RETEC

Wells G&H
7.6
553626

REMEDIAL ACTION COMPLETION REPORT
DEBRIS, SLUDGE, AND MIXED-CONTAMINANT SOIL REMOVAL

APPENDIX V
CLP DATA Packages

SDMS DocID 553626

VOLUME 3
SDG-18, Soil

Wildwood Property
Wells G & H Superfund Site
Woburn, MA

Prepared For:

BEATRICE COMPANY

Prepared By:

REMEDIATION TECHNOLOGIES, INC.
9 Pond Lane
Concord, MA 01742

RETEC Project No.: 3-0947-730

MARCH 1995

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-08

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 5.144 (g/mL) g Lab File ID: S0407

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: not dec. 26 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00102-24-9	BORXIN, TRIMETHOXY-	2.90	8	J
2.	00100-54-3	HEXANE	4.35	8.7	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0407.D
Acq Time : 4 Sep 94 1:27 am
Sample : SL-08 5.144g/5ml
Misc :
Quant Time: Oct 19 7:41 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.20	130	171599	50.00 ug/L	0.01
17) 1,4-Difluorobenzene	8.14	114	625340	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.49	117	439442	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	188548	53.60 ug/L	107.19%
31) Toluene-d8	11.95	98	544016	54.29 ug/L	108.59%
41) Bromofluorobenzene	20.57	95	351168	45.88 ug/L	91.76%
Target Compounds					Qvalue
7) Acetone	3.63	43	29234	5.94 ug/L m	90
9) Methylene Chloride	4.09	84	146932	11.87 ug/L m	97

0203

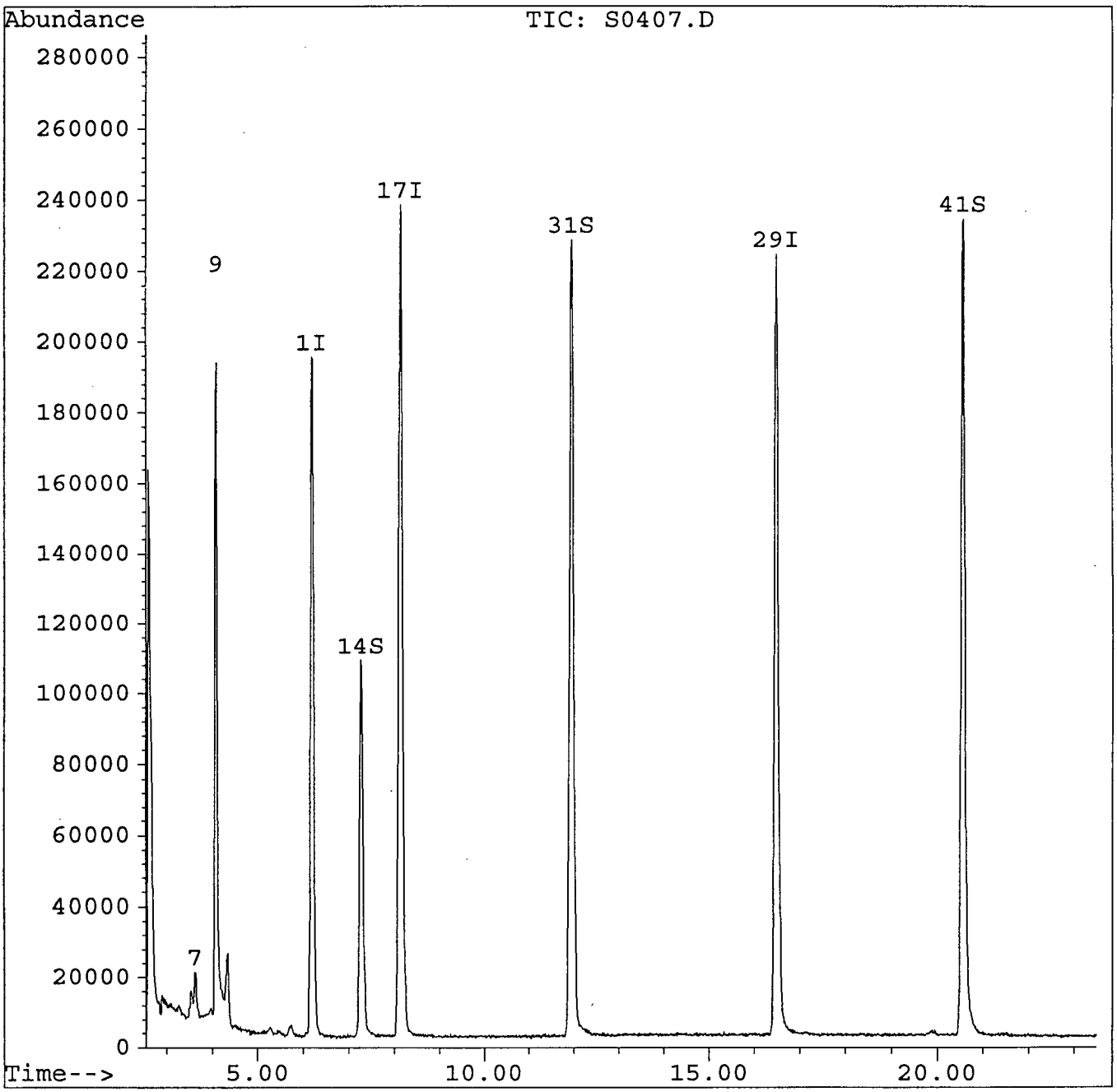
(#) = qualifier out of range (m) = manual integration

Quantitation Report

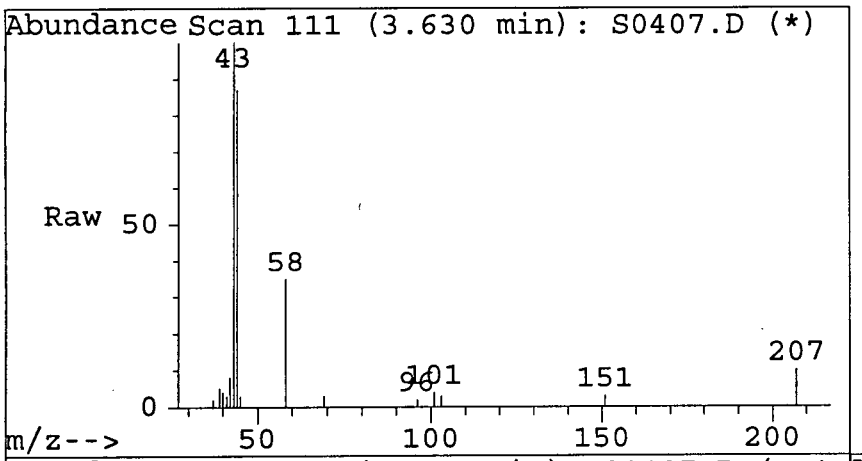
Data File : C:\HPCHEM\1\DATA\S0407.D
Acq Time : 4 Sep 94 1:27 am
Sample : SL-08 5.144g/5ml
Misc :
Quant Time: Oct 19 7:41 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



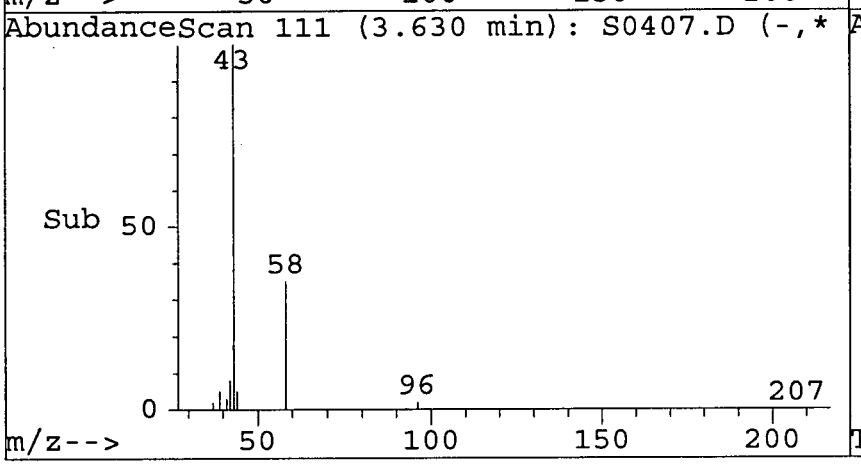
0204

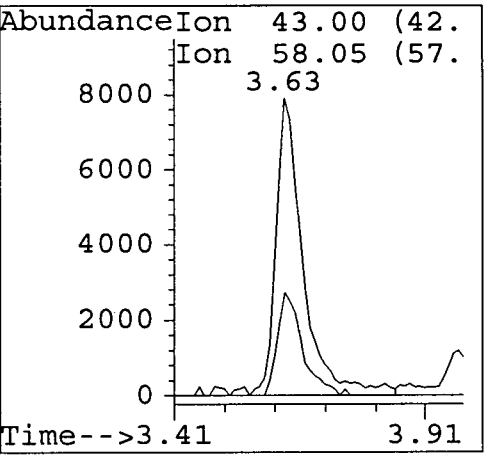


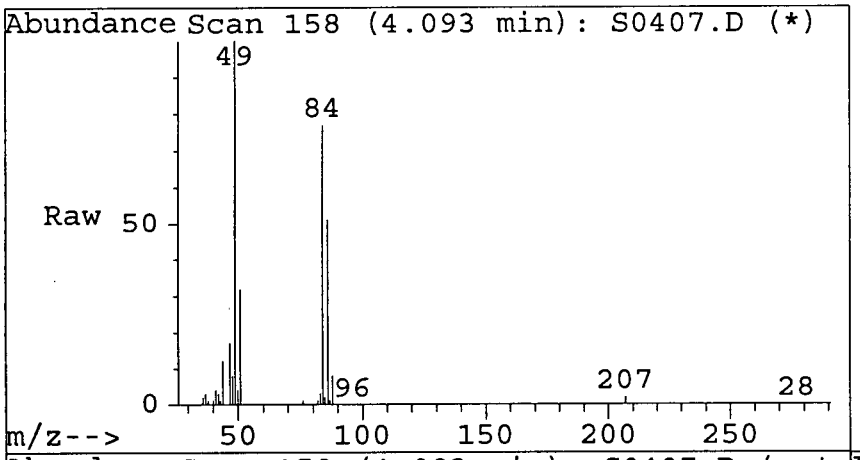
#7
Acetone
Concen: 5.94 ug/L m
RT: 3.63 min Scan# 111
Delta R.T. 0.00 min
Lab File: S0407.D
Acq: 4 Sep 94 1:27 am

Tgt Ion:43 Resp: 29234

Ion	Ratio	Lower	Upper
43	100		
58	31.9	30.3	45.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0



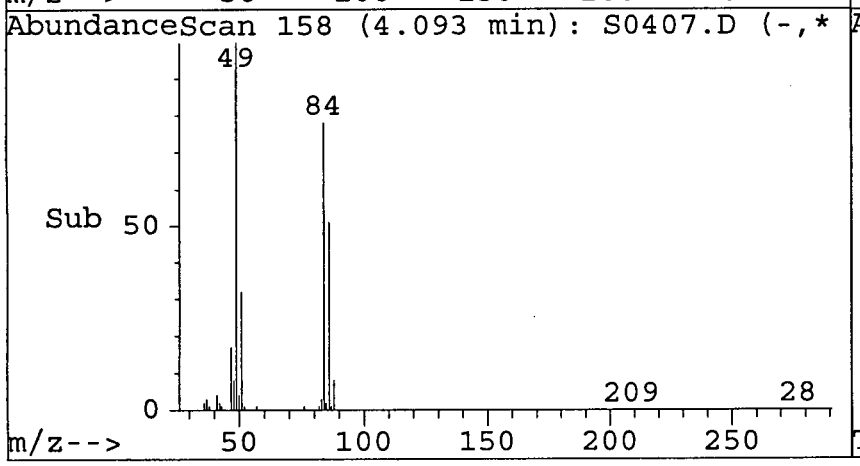


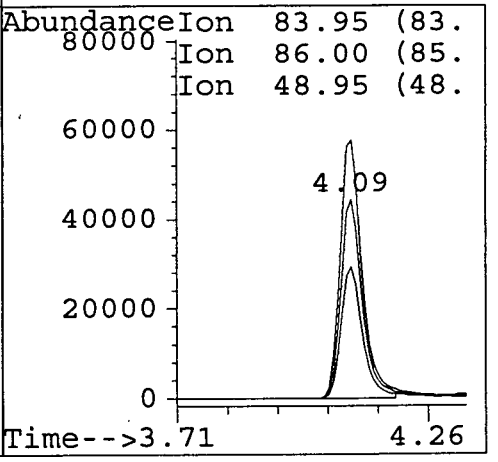


#9
Methylene Chloride
Concen: 11.87 ug/L m
RT: 4.09 min Scan# 158
Delta R.T. 0.01 min
Lab File: S0407.D
Acq: 4 Sep 94 1:27 am

Tgt Ion:83.95 Resp: 146932

Ion	Ratio	Lower	Upper
84	100		
86	66.2	53.5	80.3
49	129.5	108.9	163.3
0	0.0	0.0	0.0





0205

Library Search Compound Report

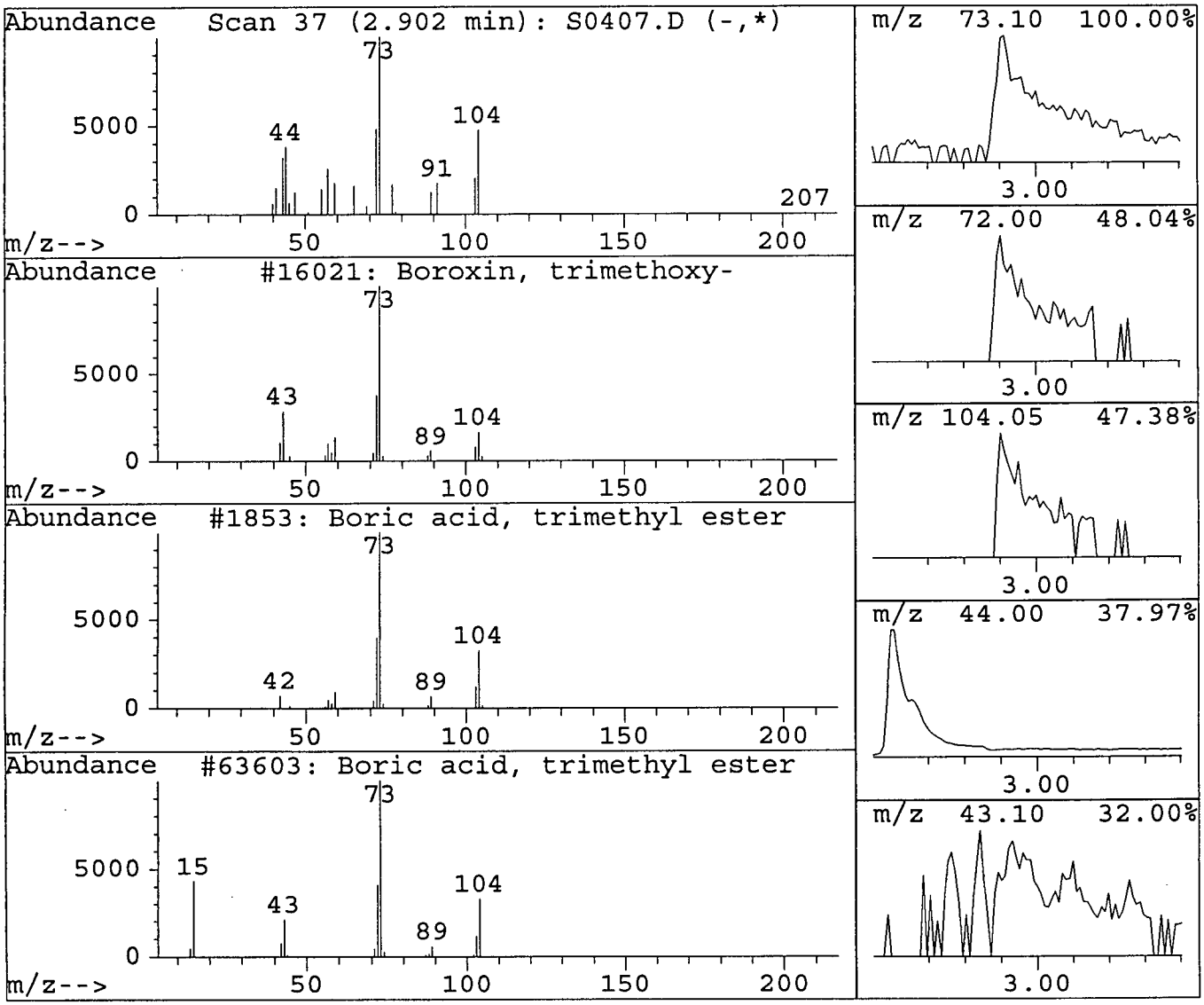
Data File : C:\HPCHEM\1\DATA\S0407.D
Acq Time : 4 Sep 94 1:27 am
Sample : SL-08 5.144g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
2.90	6.12 ug/L	113426	Bromochloromethane	6.20

Hit# of 4	Tentative ID	Ref#	CAS#	Qual
1	Boroxin, trimethoxy-	16021	000102-24-9	53
2	Boric acid, trimethyl ester	1853	000121-43-7	50
3	Boric acid, trimethyl ester	63603	000121-43-7	47
4	Ethanedithioamide, methyl-	6011	016890-71-4	23



0206

Library Search Compound Report

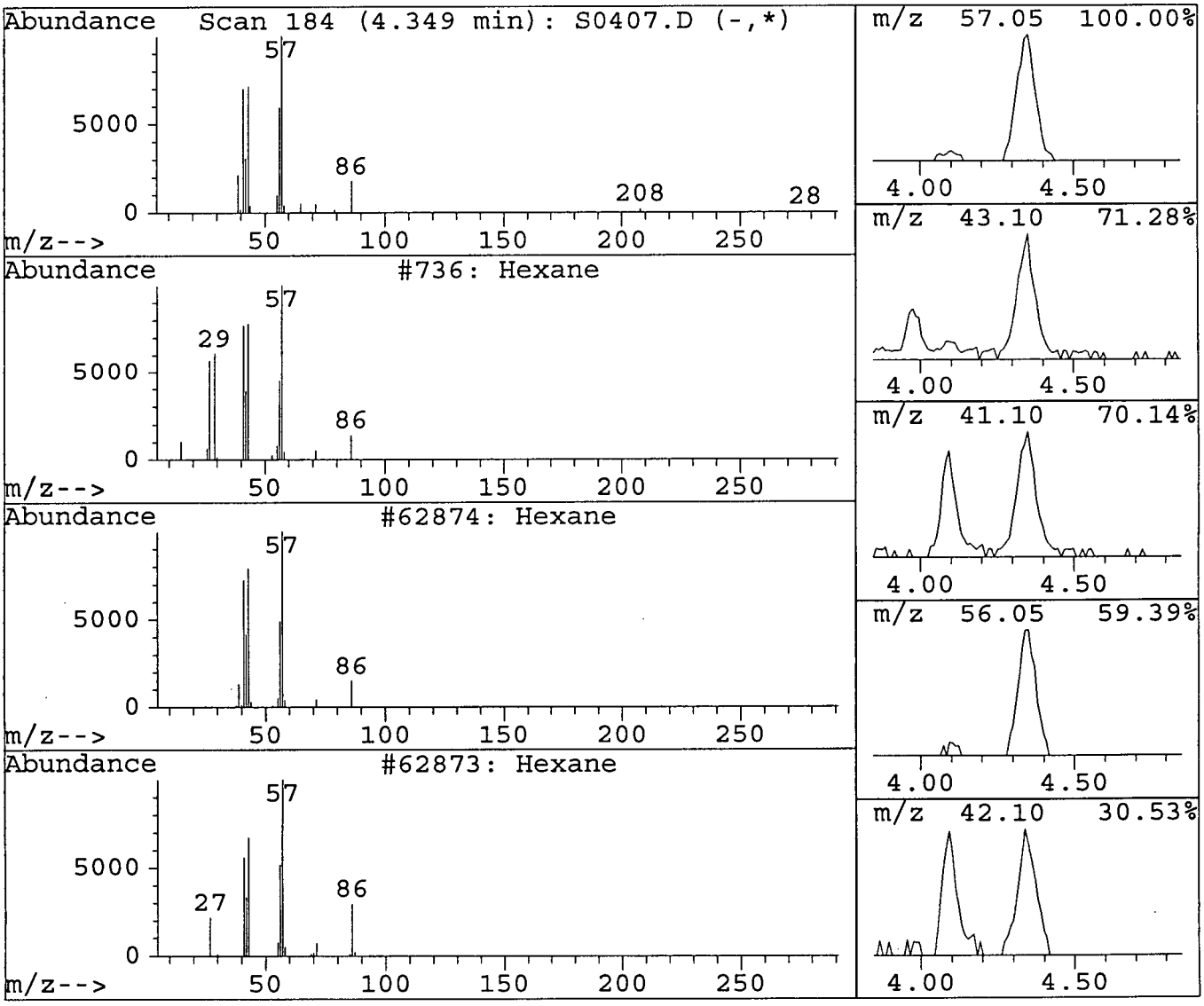
Data File : C:\HPCHEM\1\DATA\S0407.D
Acq Time : 4 Sep 94 1:27 am
Sample : SL-08 5.144g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
4.35	6.63 ug/L	122768	Bromochloromethane	6.20

Hit# of 13	Tentative ID	Ref#	CAS#	Qual
1	Hexane	736	000110-54-3	72
2	Hexane	62874	000110-54-3	64
3	Hexane	62873	000110-54-3	64
4	Hexane	62872	000110-54-3	50
5	1-Butanol	62584	000071-36-3	47



0207

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-10/11

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-10/11

Sample wt/vol: 5.110 (g/mL) g Lab File ID: S0207

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 34 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	6.6	
67-66-3	Chloroform	1.5	U
71-55-6	1,1,1-Trichloroethane	1.5	U
79-01-6	Trichloroethene	23.1	
127-18-4	Tetrachloroethene	1.5	U

FORM I VOA - Criteria VOC's 3/90

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0207.D
Acq Time : 2 Sep 94 2:23 pm
Sample : SL-10/11 5.110g/5ml
Misc :
Quant Time: Oct 19 7:25 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.20	130	175086	50.00 ug/L	0.04
17) 1,4-Difluorobenzene	8.15	114	596574	50.00 ug/L	0.05
29) Chlorobenzene-d5	16.49	117	328237	50.00 ug/L	0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	191920	47.82 ug/L	95.65%
31) Toluene-d8	11.95	98	415598	51.17 ug/L	102.35%
41) Bromofluorobenzene	20.56	95	288574	43.69 ug/L	87.38%
Target Compounds					Qvalue
10) trans-1,2-Dichloroethene	4.34	96	16634	4.47 ug/L	95
21) Trichloroethene	8.78	130	70698	15.59 ug/L	95

0209

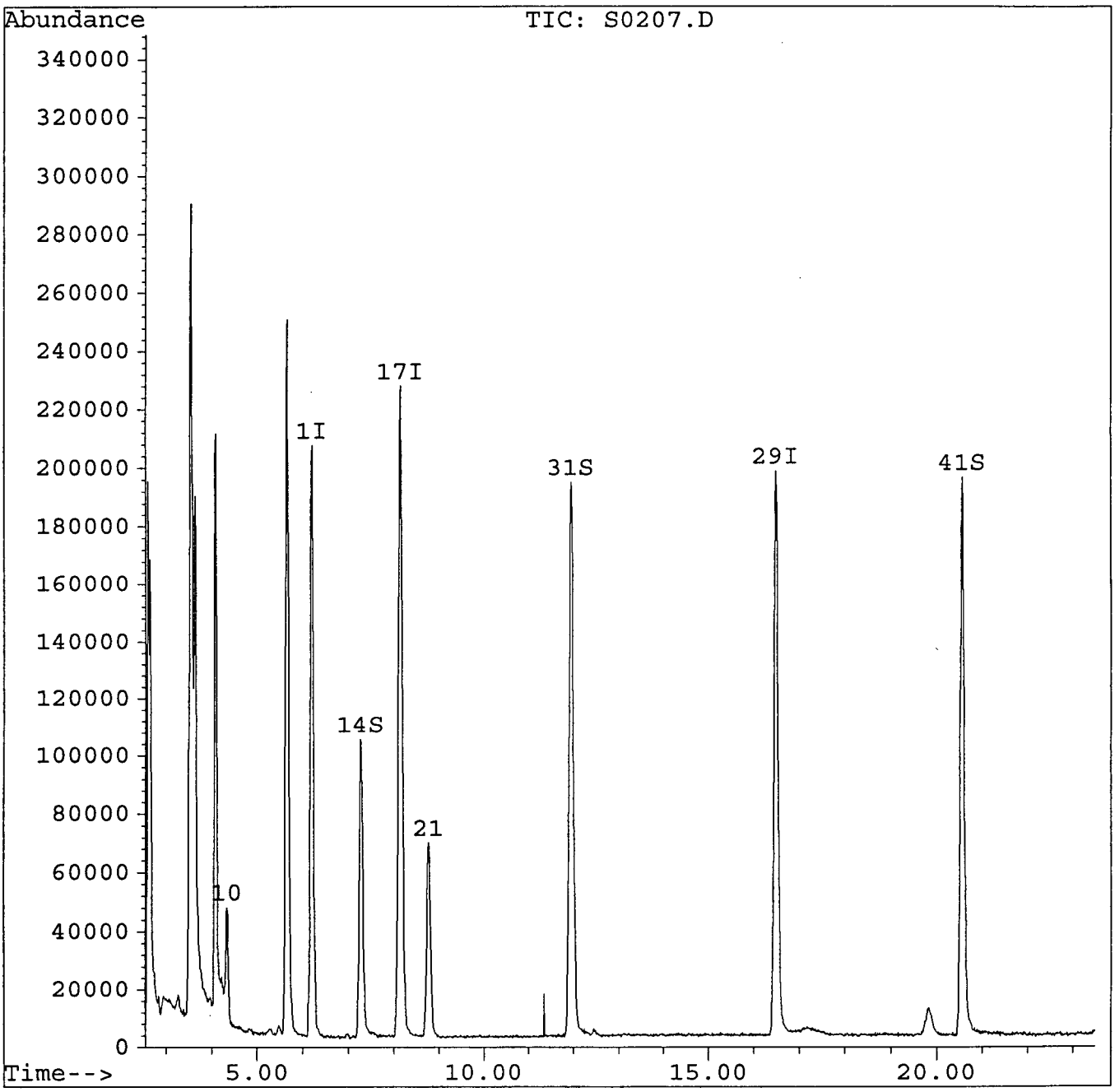
(#) = qualifier out of range (m) = manual integration

Quantitation Report

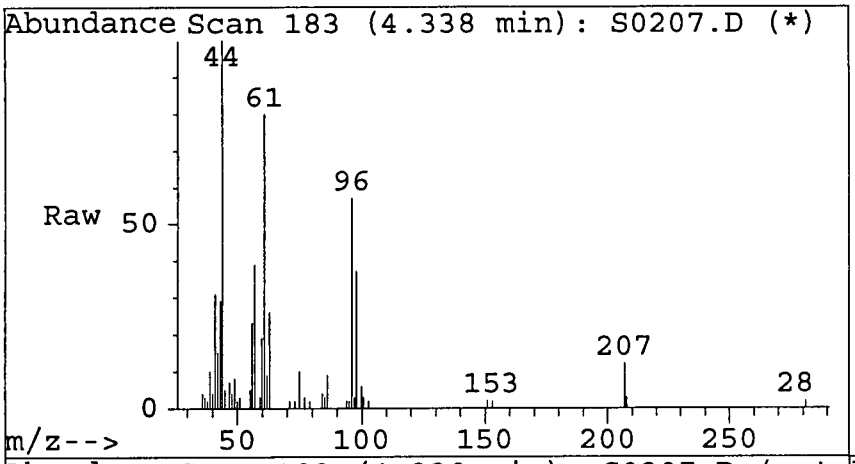
Data File : C:\HPCHEM\1\DATA\S0207.D
Acq Time : 2 Sep 94 2:23 pm
Sample : SL-10/11 5.110g/5ml
Misc :
Quant Time: Oct 19 7:25 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



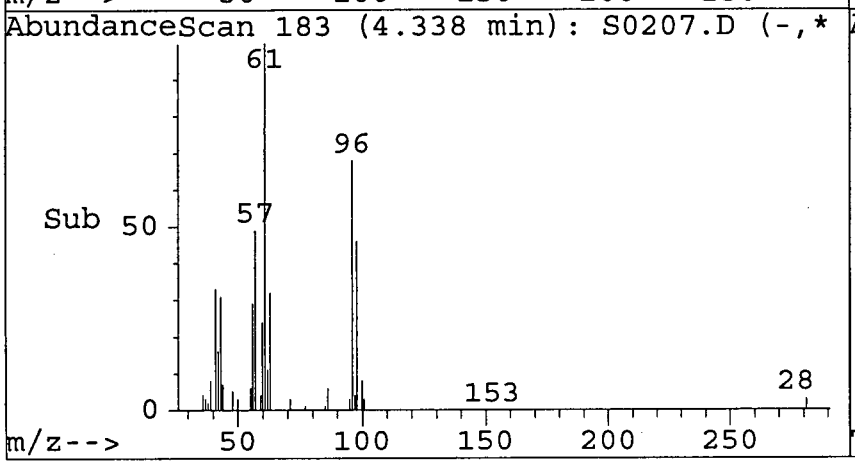
0210

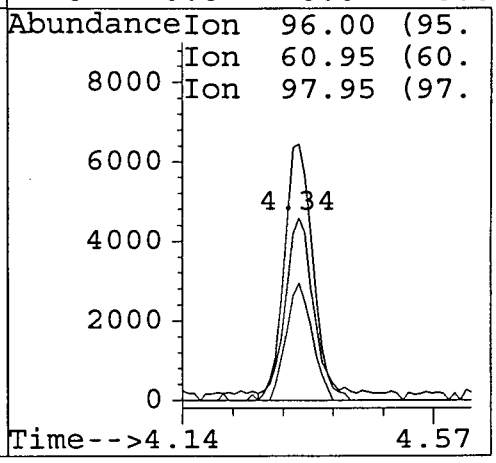


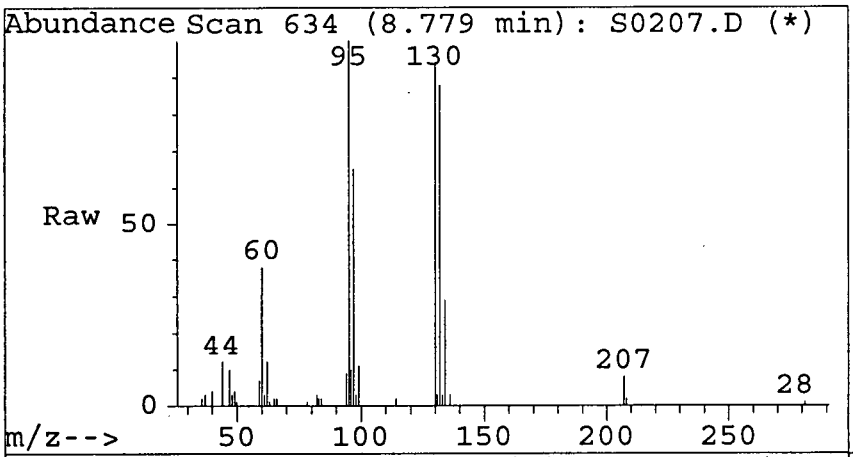
#10
trans-1,2-Dichloroethene
Concen: 4.47 ug/L
RT: 4.34 min Scan# 183
Delta R.T. 0.03 min
Lab File: S0207.D
Acq: 2 Sep 94 2:23 pm

Tgt Ion:96 Resp: 16634

Ion	Ratio	Lower	Upper
96	100		
61	131.2	107.2	160.8
98	54.1	50.3	75.5
0	0.0	0.0	0.0



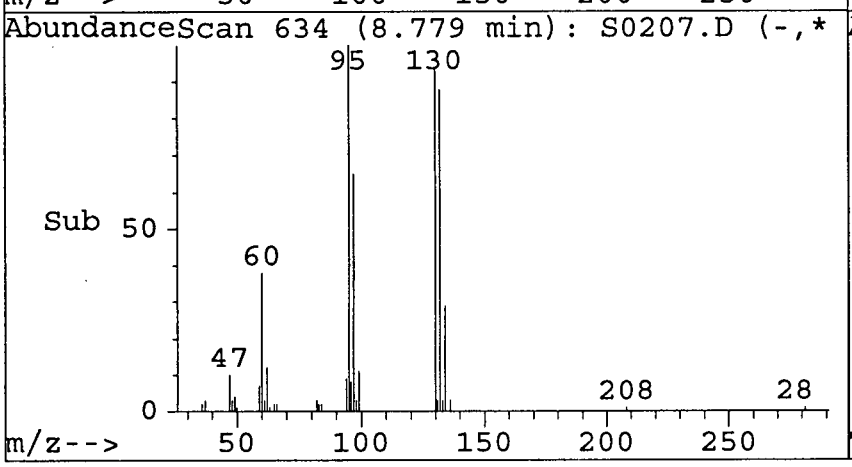


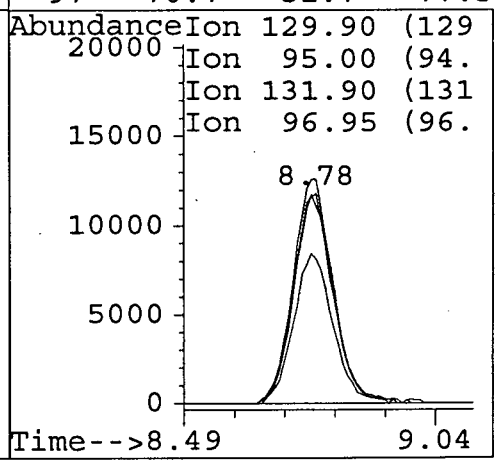


#21
Trichloroethene
Concen: 15.59 ug/L
RT: 8.78 min Scan# 634
Delta R.T. 0.05 min
Lab File: S0207.D
Acq: 2 Sep 94 2:23 pm

Tgt Ion:129.9 Resp: 70698

Ion	Ratio	Lower	Upper
130	100		
95	107.2	83.4	125.0
132	97.0	74.6	111.8
97	70.7	51.7	77.5





0211

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12

Sample wt/vol: 5.249 (g/mL) g Lab File ID: S0208

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 14 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0208.D
Acq Time : 2 Sep 94 2:52 pm
Sample : SL-12 5.249g/5ml
Misc :
Quant Time: Oct 19 7:26 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.18	130	146098	50.00 ug/L	0.02
17) 1,4-Difluorobenzene	8.13	114	470429	50.00 ug/L	0.03
29) Chlorobenzene-d5	16.49	117	287738	50.00 ug/L	0.02
System Monitoring Compounds					**%Recovery**
14) 1,2-Dichloroethane-d4	7.26	65	162630	48.57 ug/L	97.13%
31) Toluene-d8	11.94	98	362474	50.92 ug/L	101.83%
41) Bromofluorobenzene	20.56	95	250987	43.35 ug/L	86.69%

Target Compounds Qvalue

0213

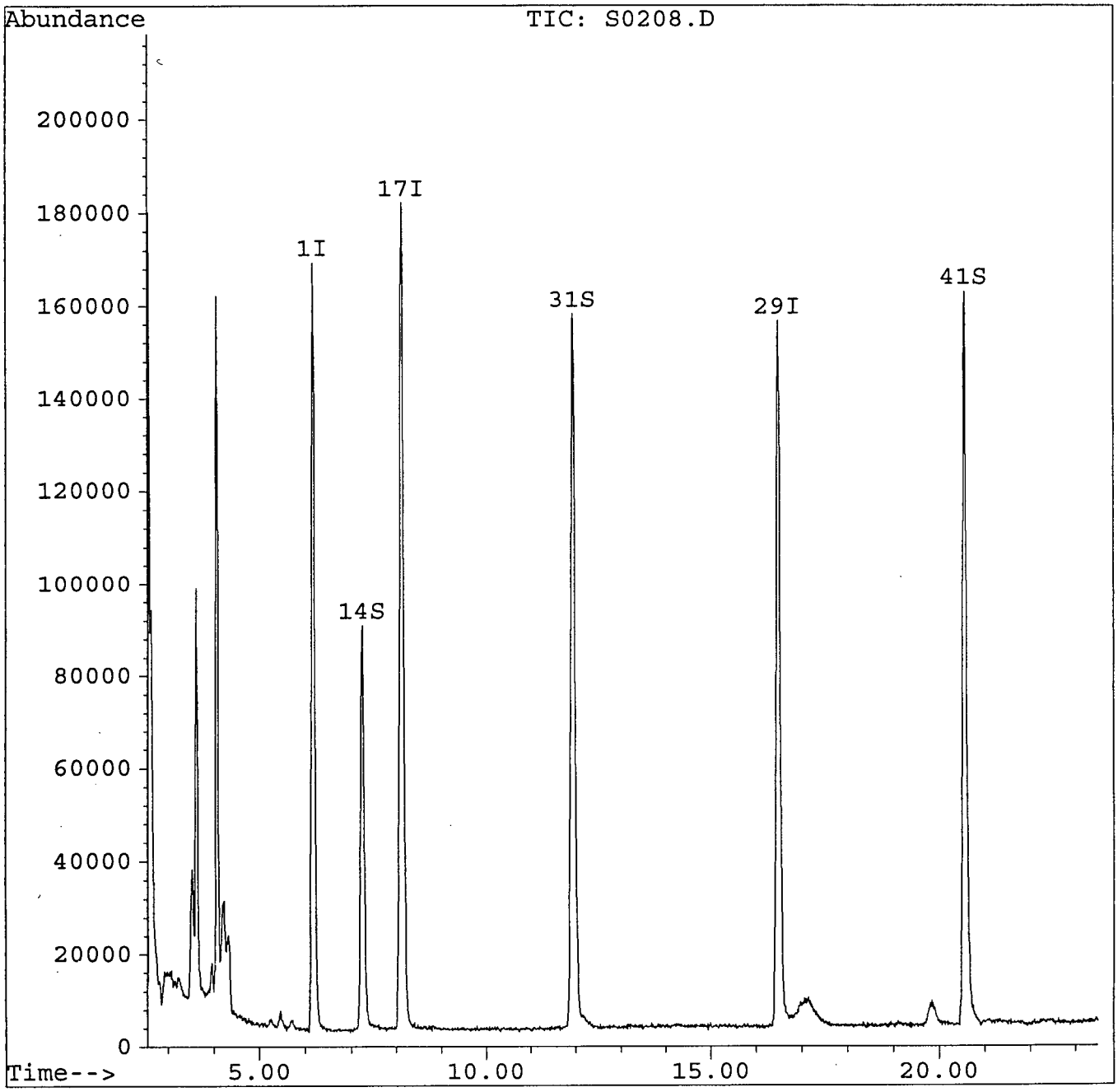
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0208.D
Acq Time : 2 Sep 94 2:52 pm
Sample : SL-12 5.249g/5ml
Misc :
Quant Time: Oct 19 7:26 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0214

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13

Sample wt/vol: 5.147 (g/mL) g Lab File ID: S0209

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 23 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.3	U
67-66-3	Chloroform	1.3	U
71-55-6	1,1,1-Trichloroethane	1.3	U
79-01-6	Trichloroethene	1.3	U
127-18-4	Tetrachloroethene	1.3	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0209.D
Acq Time : 2 Sep 94 3:21 pm
Sample : SL-13 5.147g/5ml
Misc :
Quant Time: Oct 19 7:27 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.09	130	175782	50.00 ug/L	-0.07
17) 1,4-Difluorobenzene	8.04	114	712472	50.00 ug/L	-0.06
29) Chlorobenzene-d5	16.45	117	550367	50.00 ug/L	-0.02

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.17	65	206566	51.27 ug/L	102.54%
31) Toluene-d8	11.87	98	645535	47.41 ug/L	94.81%
41) Bromofluorobenzene	20.53	95	485001	43.79 ug/L	87.58%

Target Compounds Qvalue

0216

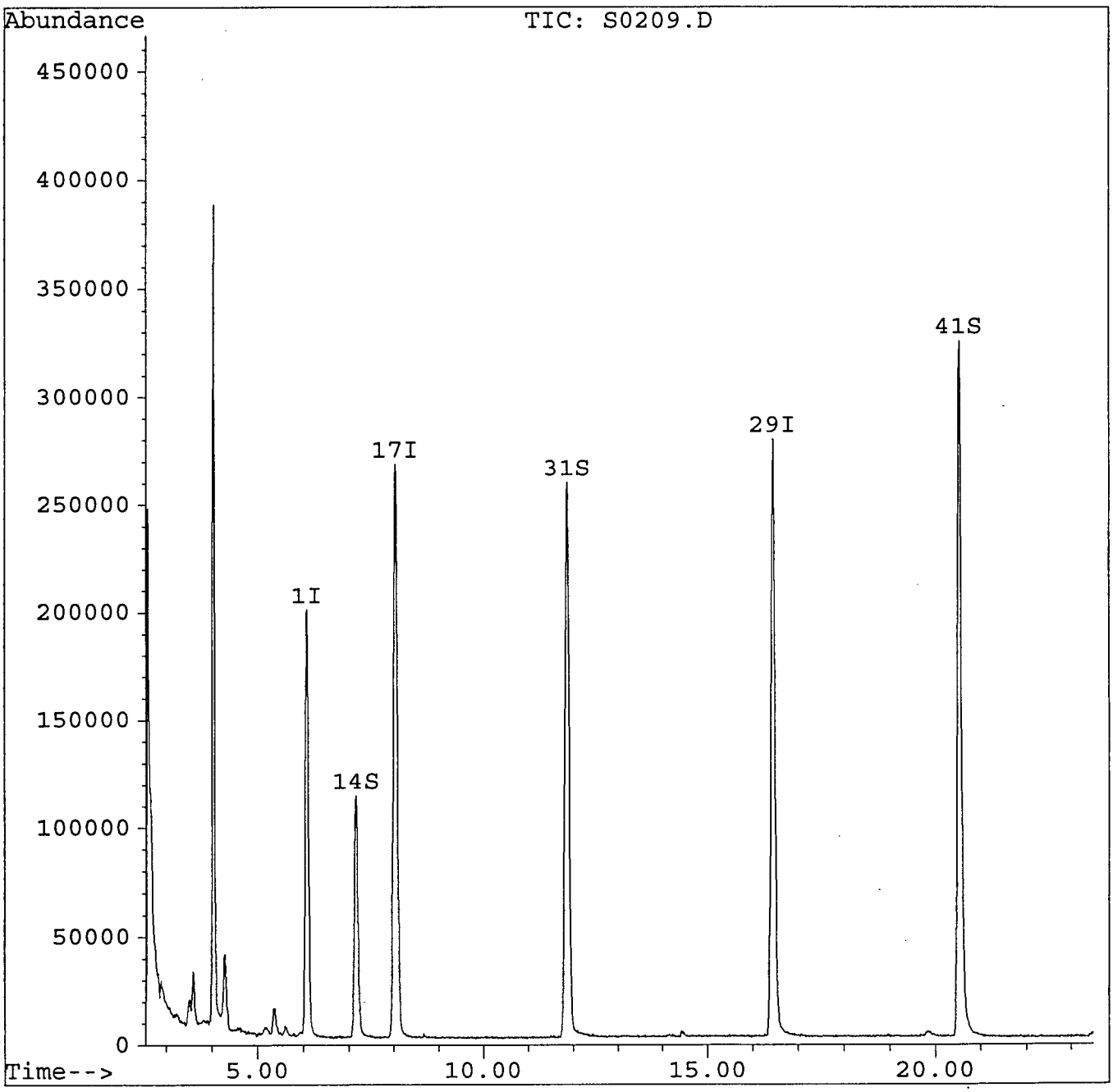
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0209.D
Acq Time : 2 Sep 94 3:21 pm
Sample : SL-13 5.147g/5ml
Misc :
Quant Time: Oct 19 7:27 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0217

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14

Sample wt/vol: 5.246 (g/mL) g Lab File ID: S0210

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 19 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.2	U
67-66-3	Chloroform	1.2	U
71-55-6	1,1,1-Trichloroethane	1.2	U
79-01-6	Trichloroethene	1.2	U
127-18-4	Tetrachloroethene	78.5	

FORM I VOA - Criteria VOC's 3/90

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0210.D
Acq Time : 2 Sep 94 3:51 pm
Sample : SL-14 5.246g/5ml
Misc :
Quant Time: Oct 19 7:28 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.18	130	148860	50.00 ug/L	0.02
17) 1,4-Difluorobenzene	8.13	114	436938	50.00 ug/L	0.03
29) Chlorobenzene-d5	16.50	117	285665	50.00 ug/L	0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.25	65	170895	50.09 ug/L	100.17%
31) Toluene-d8	11.94	98	373170	52.80 ug/L	105.60%
41) Bromofluorobenzene	20.56	95	261215	45.44 ug/L	90.88%
Target Compounds					Qvalue
34) Tetrachloroethene	13.97	164	163566	66.74 ug/L m	94

0219

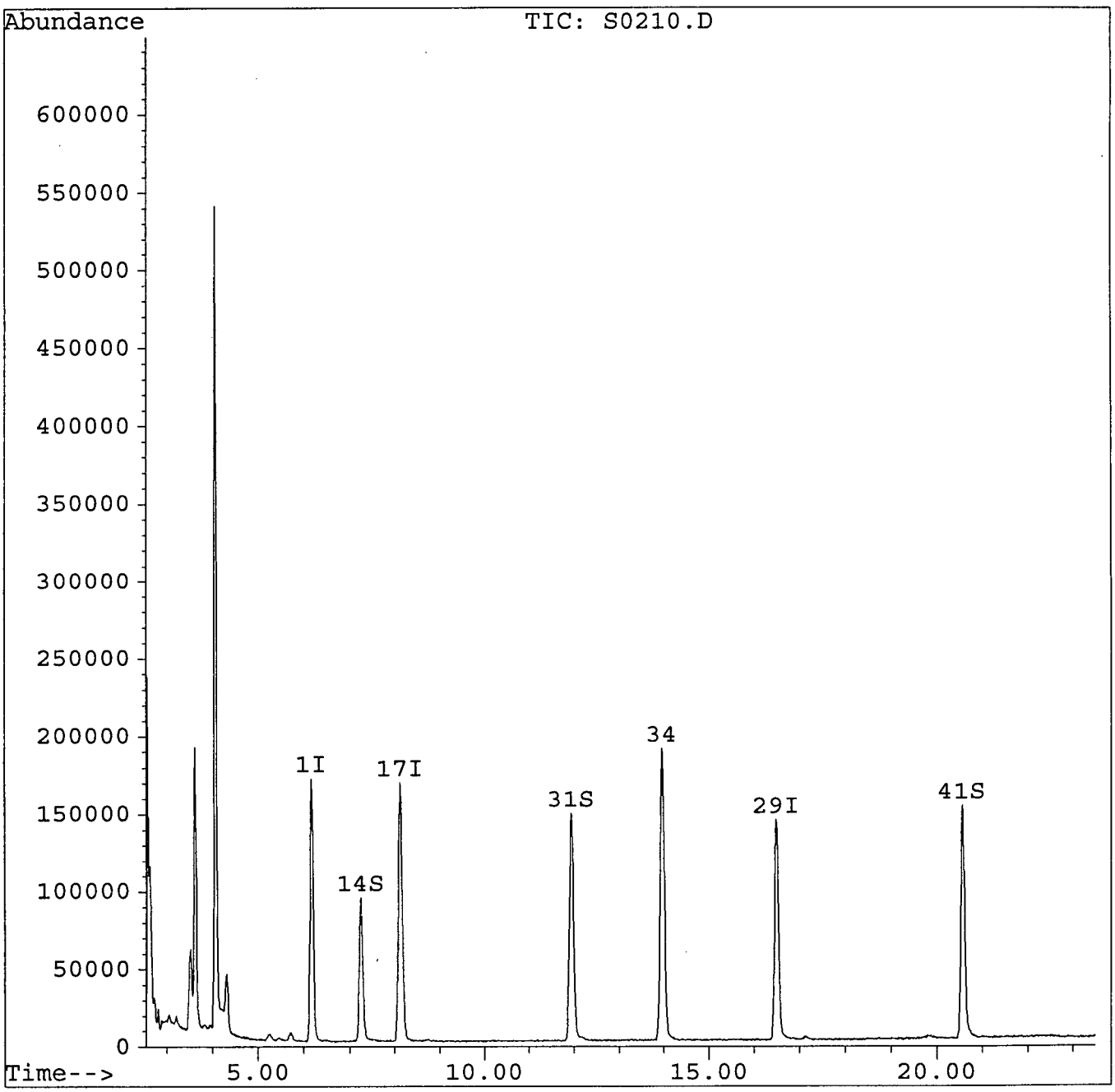
(#) = qualifier out of range (m) = manual integration

Quantitation Report

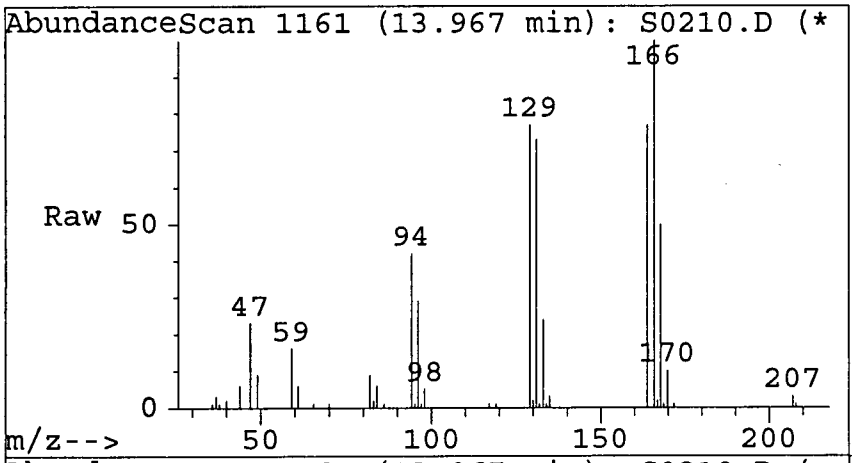
Data File : C:\HPCHEM\1\DATA\S0210.D
Acq Time : 2 Sep 94 3:51 pm
Sample : SL-14 5.246g/5ml
Misc :
Quant Time: Oct 19 7:28 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



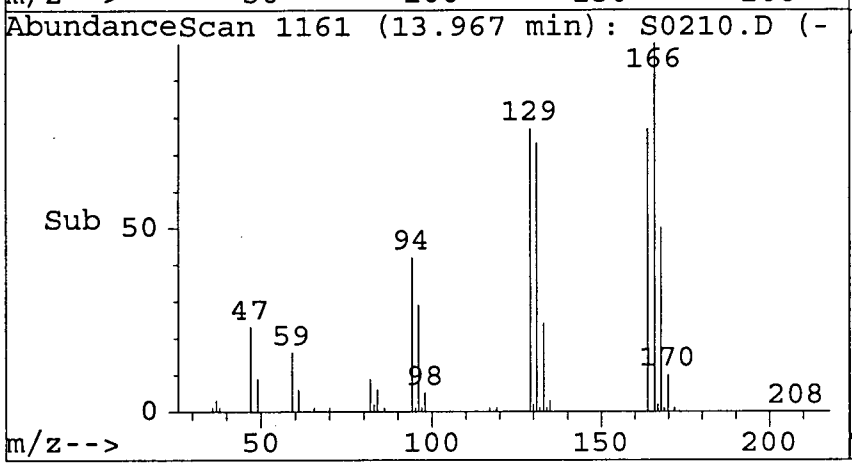
0220

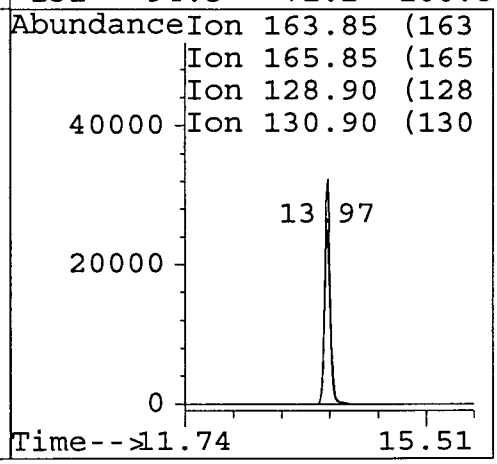


#34
Tetrachloroethene
Concen: 66.74 ug/L m
RT: 13.97 min Scan# 1161
Delta R.T. 0.02 min
Lab File: S0210.D
Acq: 2 Sep 94 3:51 pm

Tgt Ion:163.85 Resp: 163566

Ion	Ratio	Lower	Upper
164	100		
166	130.1	105.0	157.6
129	100.7	71.3	106.9
131	94.5	71.2	106.8





0221

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15

Sample wt/vol: 5.470 (g/mL) g Lab File ID: S0211

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 9 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	20.1	
127-18-4	Tetrachloroethene	1.8	

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0211.D
Acq Time : 2 Sep 94 4:20 pm
Sample : SL-15 5.470g/5ml
Misc :
Quant Time: Oct 19 7:29 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.17	130	193378	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.13	114	669112	50.00 ug/L	0.03
29) Chlorobenzene-d5	16.49	117	466911	50.00 ug/L	0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.25	65	221888	50.06 ug/L	100.12%
31) Toluene-d8	11.94	98	591700	51.22 ug/L	102.44%
41) Bromofluorobenzene	20.56	95	404386	43.04 ug/L	86.08%
Target Compounds					Qvalue
21) Trichloroethene	8.76	130	102036	20.06 ug/L	95
34) Tetrachloroethene	13.96	164	7112	1.78 ug/L #	70

0223

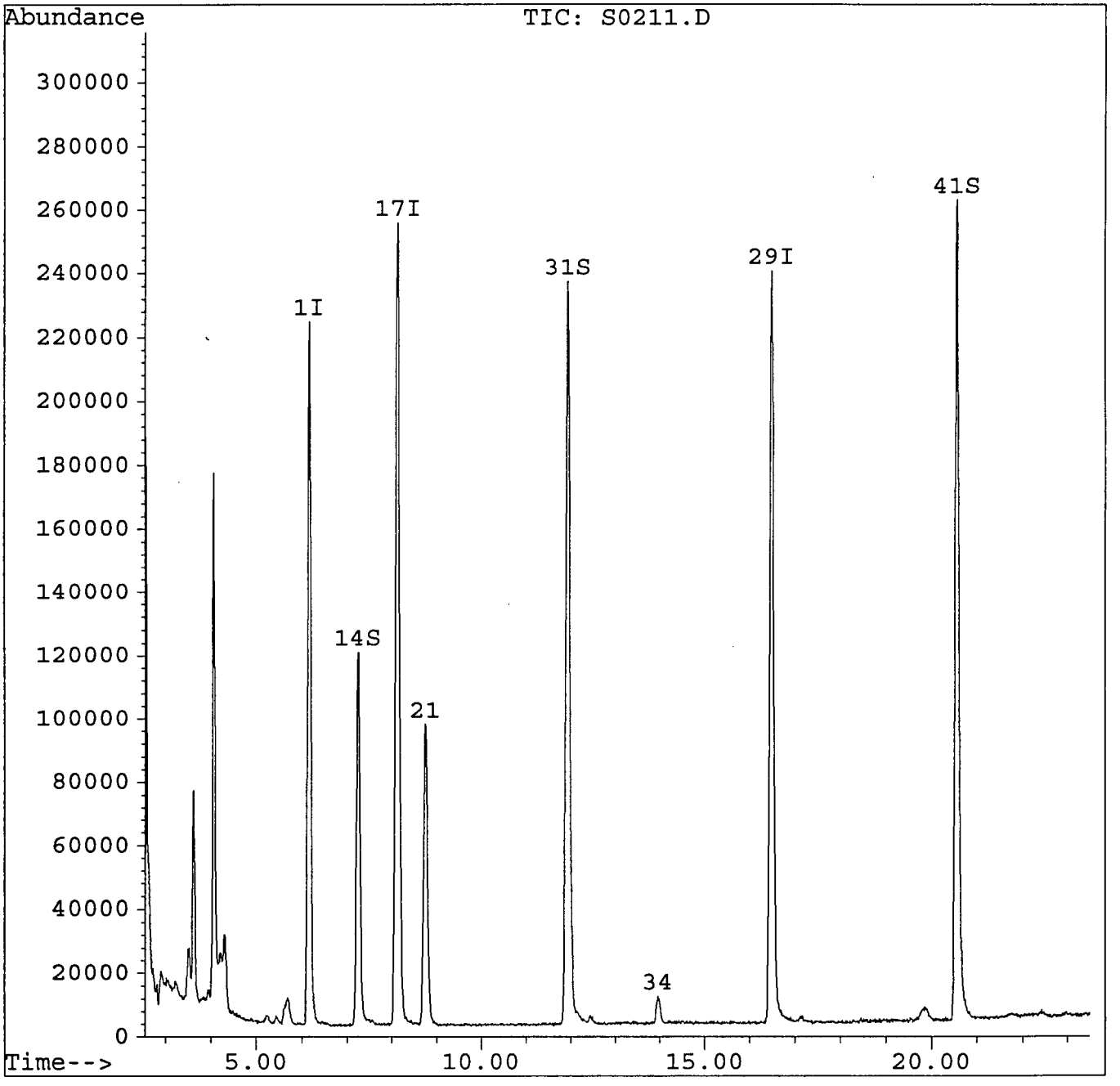
(#) = qualifier out of range (m) = manual integration

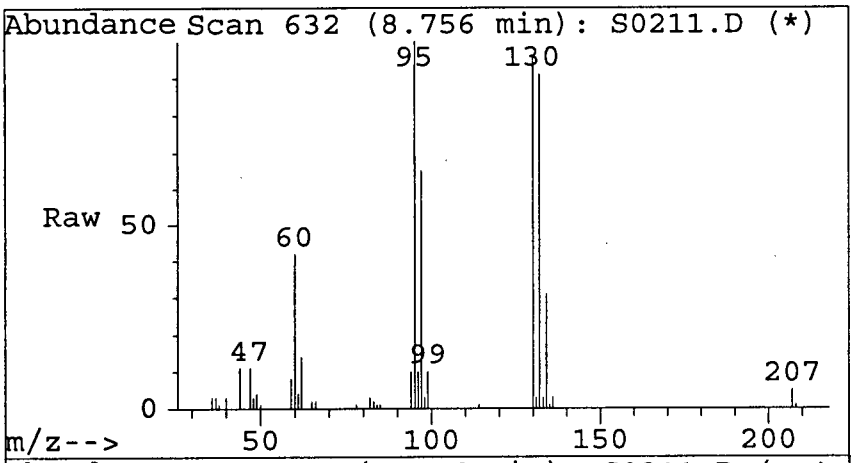
Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0211.D
Acq Time : 2 Sep 94 4:20 pm
Sample : SL-15 5.470g/5ml
Misc :
Quant Time: Oct 19 7:29 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

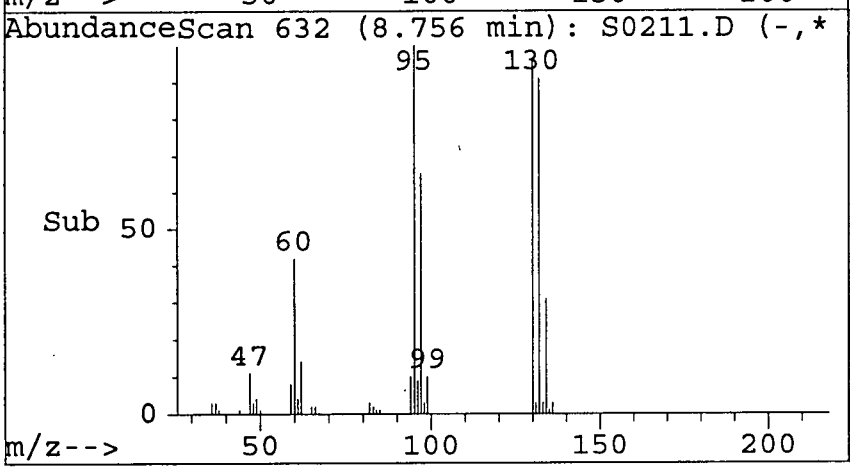


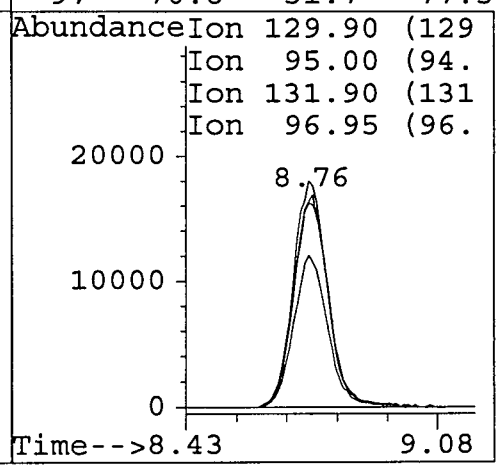


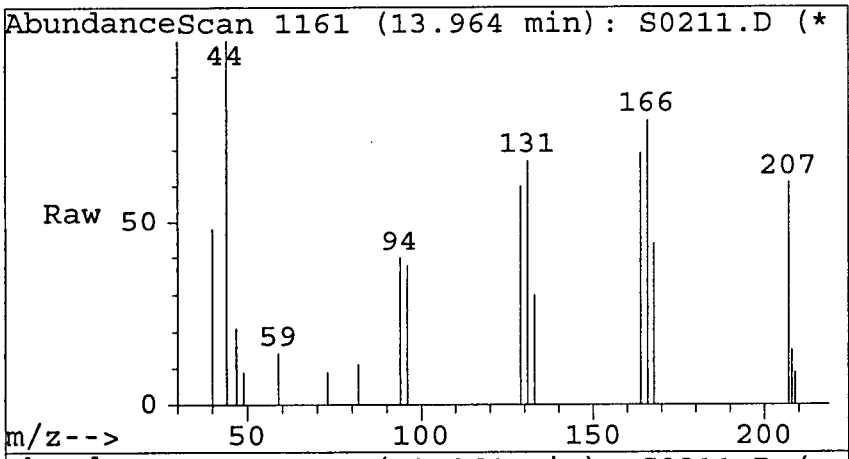
#21
Trichloroethene
Concen: 20.06 ug/L
RT: 8.76 min Scan# 632
Delta R.T. 0.03 min
Lab File: S0211.D
Acq: 2 Sep 94 4:20 pm

Tgt Ion:129.9 Resp: 102036

Ion	Ratio	Lower	Upper
130	100		
95	107.4	83.4	125.0
132	97.7	74.6	111.8
97	70.8	51.7	77.5



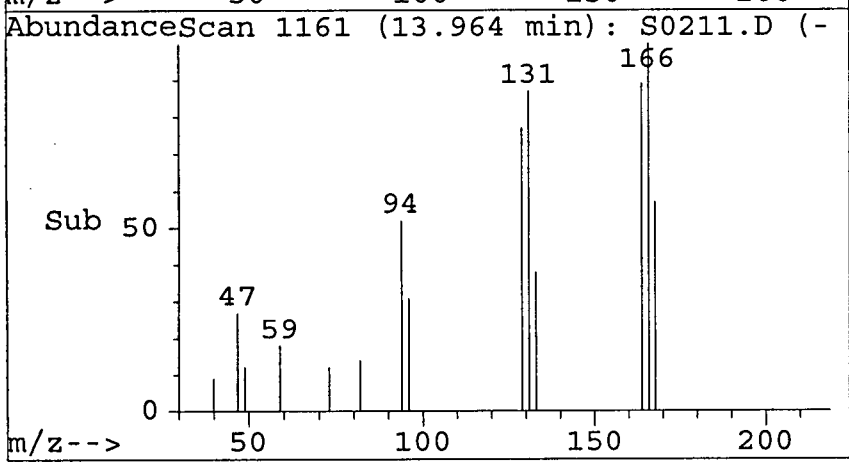


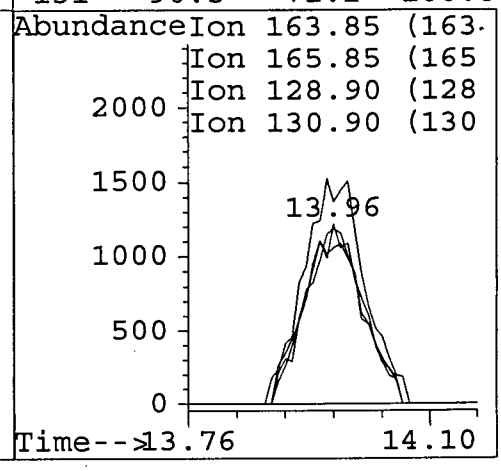


#34
Tetrachloroethene
Concen: 1.78 ug/L
RT: 13.96 min Scan# 1161
Delta R.T. 0.02 min
Lab File: S0211.D
Acq: 2 Sep 94 4:20 pm

Tgt Ion:163.85 Resp: 7112

Ion	Ratio	Lower	Upper
164	100		
166	130.8	105.0	157.6
129	0.0	71.3	106.9#
131	96.5	71.2	106.8





0225

1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-25

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-25

Sample wt/vol: 5.360 (g/mL) g Lab File ID: S0212

Level: (low/med) low Date Received: 08/31/94

% Moisture: not dec. 15 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND		Q
540-59-0	1,2-Dichloroethene (trans)	1.1	U
67-66-3	Chloroform	1.1	U
71-55-6	1,1,1-Trichloroethane	1.1	U
79-01-6	Trichloroethene	1.1	U
127-18-4	Tetrachloroethene	1.1	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0212.D
Acq Time : 2 Sep 94 4:50 pm
Sample : SL-25 5.360g/5ml
Misc :
Quant Time: Oct 19 7:31 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.16	130	199479	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.12	114	686727	50.00 ug/L	0.02
29) Chlorobenzene-d5	16.49	117	434397	50.00 ug/L	0.02

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.25	65	220339	48.19 ug/L	96.38%
31) Toluene-d8	11.94	98	554618	51.60 ug/L	103.21%
41) Bromofluorobenzene	20.56	95	379900	43.46 ug/L	86.92%

Target Compounds Qvalue

0227

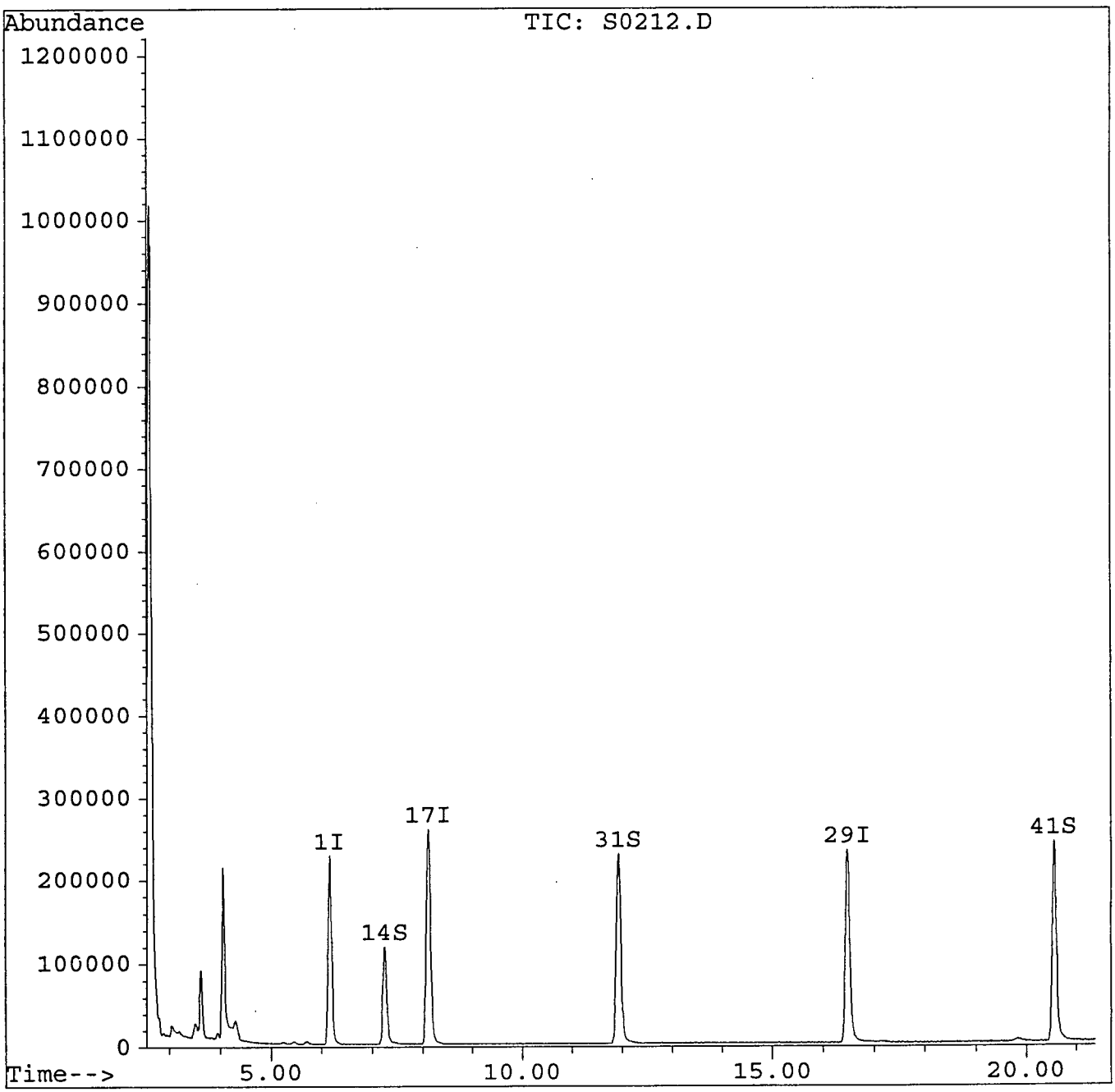
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0212.D
Acq Time : 2 Sep 94 4:50 pm
Sample : SL-25 5.360g/5ml
Misc :
Quant Time: Oct 19 7:31 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0228

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: TRIP BLANK

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0703

Level: (low/med) low Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/L	Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
127-18-4	Tetrachloroethene	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0703.D
Acq Time : 7 Sep 94 8:19 am
Sample : TRIP BLANK 1X
Misc :
Quant Time: Oct 24 14:17 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:12:44 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.68	130	35494	5.00 ug/L	0.34
17) 1,4-Difluorobenzene	8.70	114	274786	5.00 ug/L	0.40
29) Chlorobenzene-d5	17.08	117	175458	5.00 ug/L	0.39

System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.80	65	33606	4.97 ug/L	99.32%
31) Toluene-d8	12.62	98	228127	5.11 ug/L	102.13%
41) Bromofluorobenzene	20.97	95	128564	4.89 ug/L	97.84%

Target Compounds Qvalue

0230

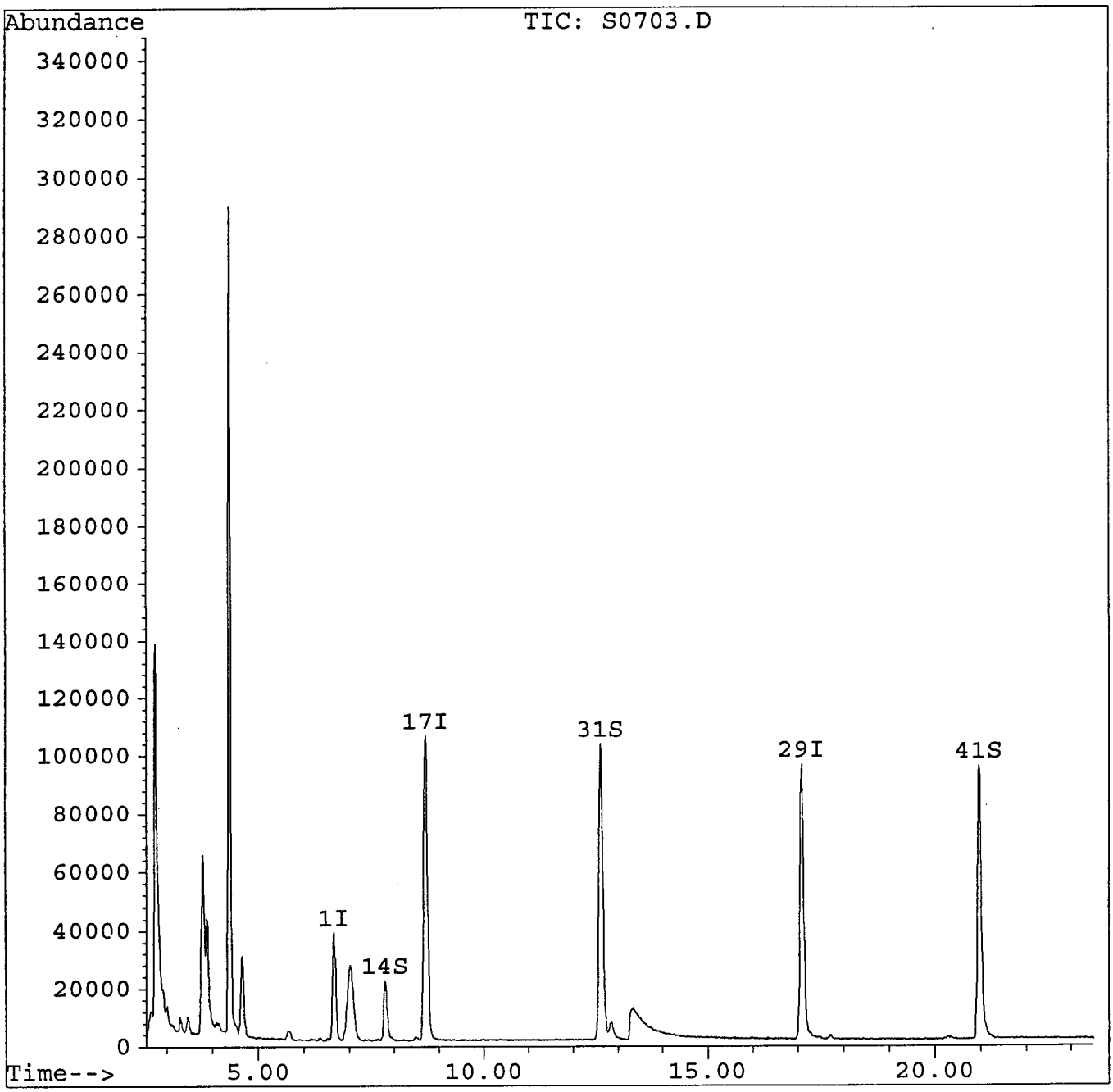
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0703.D
Acq Time : 7 Sep 94 8:19 am
Sample : TRIP BLANK 1X
Misc :
Quant Time: Oct 24 14:17 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:12:44 1994
Response via : Single Level Calibration



0231

STANDARDS DATA

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Instrument ID: 5972 Calibration Date(s): 08/30/94 08/30/94

Heated Purge:(Y/N) N Calibration Times: 1256 1628

GC Column: VOCOL ID: 0.75 (mm)

LAB FILE ID: RRF01 = R3002 RRF02 = R3003

RRF05 = R3004 RRF10 = R3005 RRF25 = R3007

COMPOUND	RRF01	RRF02	RRF05	RRF10	RRF25	$\overline{RRF}$	% RSD	
Chloromethane	1.682	1.458	1.500	1.445	1.276	1.472	9.8565	
Bromomethane	1.484	1.233	1.463	1.395	1.371	1.389	7.1257	*
Vinyl Chloride	1.731	1.707	1.759	1.702	1.427	1.665	8.111	*
Chloroethane	1.184	1.138	1.223	1.319	1.095	1.192	7.2031	
Methylene Chloride	3.422	4.319	2.834	2.290	1.671	2.907	35.132	
Acetone	0.834	0.614	0.226	0.222	0.187	0.417	69.993	
Carbon Disulfide	6.691	6.034	6.176	6.634	5.676	6.242	6.812	
1,1-Dichloroethene	2.395	2.163	2.259	2.312	2.025	2.231	6.3908	*
1,1-Dichloroethane	4.095	3.830	4.273	4.571	4.136	4.181	6.4753	*
1,2-Dichloroethene(total)	5.082	4.198	4.559	4.873	4.413	4.625	7.6595	
Chloroform	4.164	3.692	4.034	4.249	3.897	4.007	5.5137	*
1,2-Dichloroethane	1.104	0.940	1.113	1.142	1.109	1.082	7.445	*
2-Butanone	0.382	0.272	0.215	0.204	0.143	0.243	37.045	
1,1,1-Trichloroethane	0.566	0.512	0.574	0.600	0.580	0.566	5.8097	*
Carbon Tetrachloride	0.486	0.448	0.502	0.535	0.519	0.498	6.7127	*
Bromodichloromethane	0.343	0.283	0.338	0.341	0.371	0.335	9.5614	*
1,2-Dichloropropane	0.264	0.223	0.261	0.264	0.281	0.259	8.2784	
cis-1,3-Dichloropropene	0.278	0.230	0.279	0.283	0.360	0.286	16.338	*
Trichloroethene	0.395	0.353	0.406	0.419	0.415	0.398	6.6865	*
Dibromochloromethane	0.173	0.147	0.183	0.187	0.188	0.176	9.7112	*
1,1,2-Trichloroethane	0.120	0.094	0.117	0.117	0.130	0.116	11.421	*
Benzene	0.949	0.785	0.862	0.876	0.876	0.870	6.7056	*
trans-1,3-Dichloropropene	0.153	0.127	0.161	0.163	0.228	0.166	22.42	*
Bromoform	0.087	0.072	0.093	0.094	0.105	0.090	13.382	*
4-Methyl-2-Pentanone	0.089	0.074	0.082	0.086	0.091	0.084	7.9746	
2-Hexanone	0.063	0.056	0.064	0.076	0.068	0.065	11.215	
Tetrachloroethene	0.592	0.549	0.595	0.642	0.596	0.595	5.5346	*
1,1,2,2-Tetrachloroethane	0.196	0.157	0.183	0.191	0.206	0.187	9.9295	*
Toluene	1.688	1.545	1.637	1.689	1.634	1.639	3.58	*
Chlorobenzene	1.044	0.901	0.984	1.017	1.024	0.994	5.6638	*
Ethylbenzene	0.582	0.521	0.581	0.618	0.599	0.580	6.2683	*
Styrene	0.567	0.511	0.571	0.593	0.612	0.571	6.6601	*
Xylene (total)	2.903	2.903	2.880	3.061	2.990	2.947	2.5842	*
Toluene-d8	1.550	1.420	1.386	1.556	1.475	1.477	5.1441	
Bromofluorobenzene	0.892	0.726	0.722	0.791	0.805	0.787	8.8264	*
1,2-Dichloroethane-d4	0.991	0.923	0.924	0.989	0.945	0.954	3.5281	

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

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.25	130	56599	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.20	114	432032	5.00 ug/L	0.00
29) Chlorobenzene-d5	16.55	117	268897	5.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.34	65	11221	1.01 ug/L	20.21%
31) Toluene-d8	12.01	98	83335	1.02 ug/L	20.41%
41) Bromofluorobenzene	20.60	95	47955	1.11 ug/L	22.12%
Target Compounds					Qvalue
2) Chloromethane	2.86	50	19042	1.14 ug/L m	100
3) Vinyl Chloride	2.90	62	19596	1.04 ug/L m	97
4) Bromomethane	3.15	94	16801	1.06 ug/L m	89
5) Chloroethane	3.19	64	13402	0.97 ug/L m	42
6) 1,1-Dichloroethene	3.73	96	27110	1.05 ug/L m	96
7) Acetone	3.67	43	9441	2.29 ug/L m	94
8) Carbon Disulfide	4.12	76	75745	1.05 ug/L m	98
9) Methylene Chloride	4.13	84	38731	1.24 ug/L m	98
10) trans-1,2-Dichloroethene	4.39	96	31576	1.12 ug/L m	91
11) 1,1-Dichloroethane	4.87	63	46351	0.95 ug/L m	98
12) cis-1,2-Dichloroethene	5.70	96	25956	1.00 ug/L m	91
13) Chloroform	5.95	83	47132	1.02 ug/L m	97
15) 1,2-Dichloroethane	7.53	62	12492	1.00 ug/L m	52
16) 2-Butanone	5.52	43	4321	1.47 ug/L m	100
18) 1,1,1-Trichloroethane	6.62	97	48932	0.97 ug/L m	38
19) Carbon Tetrachloride	7.06	117	41984	0.95 ug/L m	28
20) Benzene	7.48	78	81997	1.07 ug/L m	55
21) Trichloroethene	8.84	130	34129	0.97 ug/L m	5
22) 1,2-Dichloropropane	9.33	63	22854	1.00 ug/L m	93
23) Bromodichloromethane	9.92	83	29655	1.00 ug/L m	95
24) cis-1,3-Dichloropropene	11.51	75	25006	0.98 ug/L m	97
25) trans-1,3-Dichloropropene	13.04	75	12702	0.94 ug/L m	43
26) 1,1,2-Trichloroethane	13.43	97	10345	1.00 ug/L m	66
27) Dibromochloromethane	14.78	129	14911	0.93 ug/L m	82
28) Bromoform	19.67	173	7528	0.92 ug/L m	34
30) 4-Methyl-2-Pentanone	11.09	43	4760	1.03 ug/L m	0
32) Toluene	12.22	91	90792	1.01 ug/L	97
33) 2-Hexanone	13.76	43	3388	0.94 ug/L m	0
34) Tetrachloroethene	14.02	164	31862	0.97 ug/L #	1
35) Chlorobenzene	16.66	112	56141	1.03 ug/L	96
36) Ethyl Benzene	16.93	106	31319	0.98 ug/L	94
37) m & p Xylene	17.17	91	162588	1.95 ug/L #	29
38) o-Xylene	18.54	91	74831	0.98 ug/L	98
39) Styrene	18.73	104	30514	0.97 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.59	83	10521	1.02 ug/L #	21

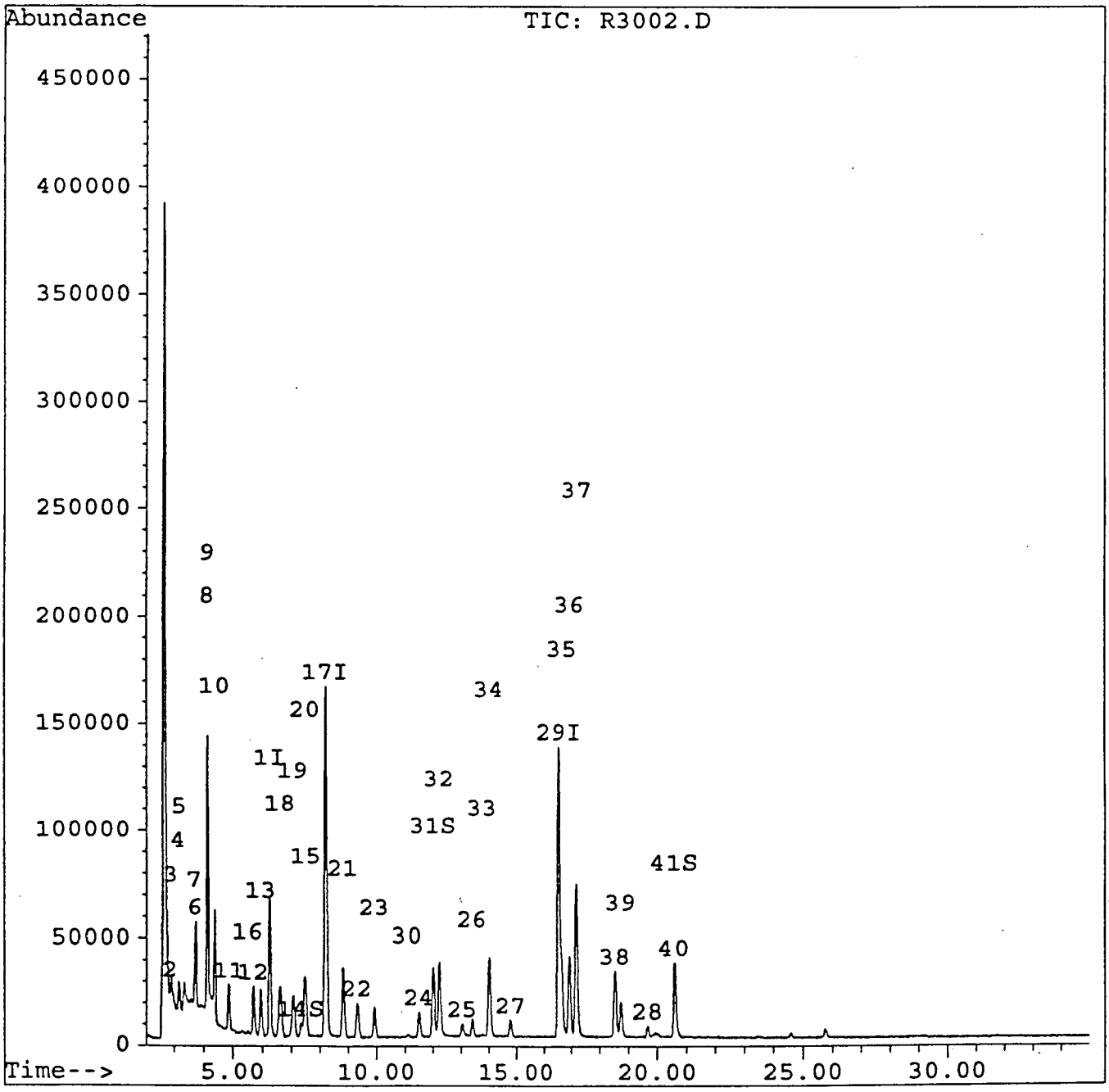
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3002.D
Acq Time : 30 Aug 94 12:56 pm
Sample : POINT 1 1 ug/L
Misc :
Quant Time: Aug 31 12:59 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.22	130	50478	5.00 ug/L	-0.03
17) 1,4-Difluorobenzene	8.18	114	407039	5.00 ug/L	-0.02
29) Chlorobenzene-d5	16.52	117	245766	5.00 ug/L	-0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.31	65	18646	1.86 ug/L	37.26%
31) Toluene-d8	11.99	98	139564	1.83 ug/L	36.65%
41) Bromofluorobenzene	20.60	95	71414	1.63 ug/L	32.59%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	29442	1.73 ug/L	95
3) Vinyl Chloride	2.88	62	34465	1.97 ug/L	97
4) Bromomethane	3.13	94	24902	1.66 ug/L	89
5) Chloroethane	3.17	64	22981	1.92 ug/L	99
6) 1,1-Dichloroethene	3.71	96	43675	1.81 ug/L	99
7) Acetone	3.65	43	12400	0.52 ug/L #	37
8) Carbon Disulfide	4.10	76	121835	1.80 ug/L	99
9) Methylene Chloride	4.10	84	87199	1.32 ug/L	98
10) trans-1,2-Dichloroethene	4.36	96	45044	1.60 ug/L	94
11) 1,1-Dichloroethane	4.84	63	77337	1.87 ug/L	99
12) cis-1,2-Dichloroethene	5.68	96	39707	1.54 ug/L	96
13) Chloroform	5.92	83	74550	1.77 ug/L	95
15) 1,2-Dichloroethane	7.50	62	18980	1.70 ug/L #	90
16) 2-Butanone	5.48	43	5502	0.95 ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	83314	1.81 ug/L m	36
19) Carbon Tetrachloride	7.05	117	72911	1.84 ug/L m	28
20) Benzene	7.45	78	127774	1.65 ug/L m	94
21) Trichloroethene	8.80	130	57477	1.79 ug/L m	62
22) 1,2-Dichloropropane	9.30	63	36335	1.69 ug/L m	93
23) Bromodichloromethane	9.89	83	46022	1.65 ug/L m	93
24) cis-1,3-Dichloropropene	11.49	75	39022	1.66 ug/L m	40
25) trans-1,3-Dichloropropene	13.03	75	19825	1.66 ug/L m	97
26) 1,1,2-Trichloroethane	13.40	97	15310	1.57 ug/L m	90
27) Dibromochloromethane	14.76	129	23998	1.71 ug/L m	94
28) Bromoform	19.67	173	11682	1.65 ug/L m	91
30) 4-Methyl-2-Pentanone	11.09	43	7291	1.68 ug/L m	39
32) Toluene	12.21	91	151889	1.83 ug/L	97
33) 2-Hexanone	13.72	43	5490	1.77 ug/L #	30
34) Tetrachloroethene	14.01	164	54016	1.85 ug/L	95
35) Chlorobenzene	16.64	112	88591	1.73 ug/L	99
36) Ethyl Benzene	16.91	106	51225	1.79 ug/L	93
37) m & p Xylene	17.16	91	272856	1.84 ug/L	98
38) o-Xylene	18.53	91	121720	1.78 ug/L	98
39) Styrene	18.72	104	50195	1.80 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	15455	1.61 ug/L	95

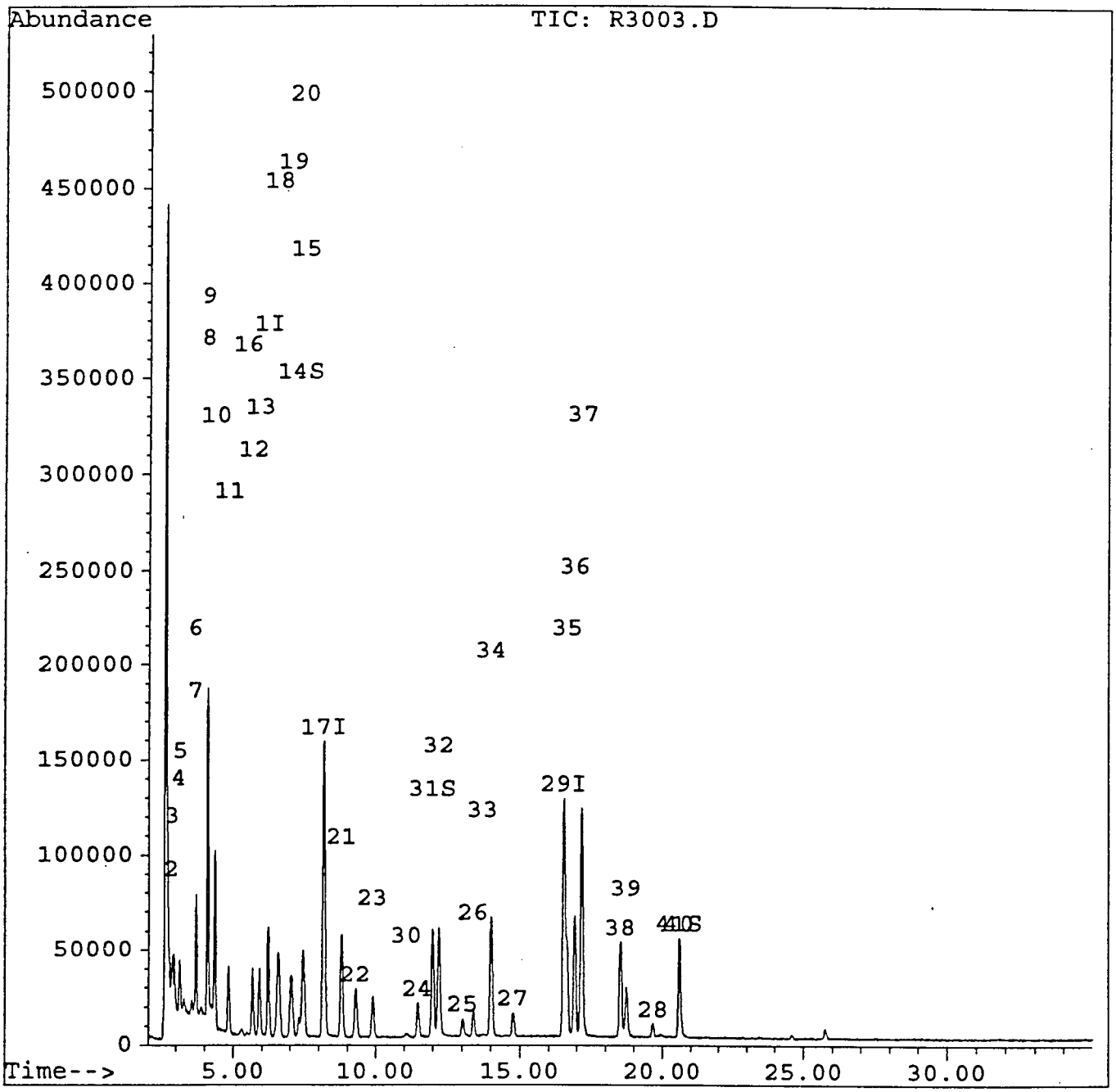
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3003.D
Acq Time : 30 Aug 94 1:39 pm
Sample : POINT 2 2 ug/L
Misc :
Quant Time: Aug 31 13:01 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Wed Oct 19 16:47:14 1994
Response via : Single Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	48854	5.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.18	114	379244	5.00 ug/L	-0.02
29) Chlorobenzene-d5	16.54	117	236005	5.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	45152	4.83 ug/L	96.54%
31) Toluene-d8	11.99	98	327127	4.67 ug/L	93.36%
41) Bromofluorobenzene	20.59	95	170279	4.46 ug/L	89.18%
Target Compounds					Qvalue
2) Chloromethane	2.83	50	73279	4.78 ug/L	92
3) Vinyl Chloride	2.87	62	85935	5.12 ug/L	100
4) Bromomethane	3.12	94	71455	5.38 ug/L	98
5) Chloroethane	3.16	64	59758	5.27 ug/L	95
6) 1,1-Dichloroethene	3.70	96	110375	4.96 ug/L	96
7) Acetone	3.65	43	11030	0.76 ug/L #	37
8) Carbon Disulfide	4.10	76	301718	4.85 ug/L	99
9) Methylene Chloride	4.10	84	138444	2.61 ug/L	98
10) trans-1,2-Dichloroethene	4.36	96	116717	4.76 ug/L	93
11) 1,1-Dichloroethane	4.84	63	208753	5.39 ug/L	99
12) cis-1,2-Dichloroethene	5.68	96	106019	4.79 ug/L	93
13) Chloroform	5.92	83	197056	5.13 ug/L	95
15) 1,2-Dichloroethane	7.51	62	54359	5.44 ug/L #	58
16) 2-Butanone	5.49	43	10503	2.53 ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	217584	5.32 ug/L	97
19) Carbon Tetrachloride	7.03	117	190482	5.37 ug/L #	13
20) Benzene	7.45	78	326828	4.97 ug/L	95
21) Trichloroethene	8.81	130	153875	5.42 ug/L	97
22) 1,2-Dichloropropane	9.31	63	98985	5.35 ug/L #	91
23) Bromodichloromethane	9.90	83	128099	5.39 ug/L	95
24) cis-1,3-Dichloropropene	11.48	75	110079	5.48 ug/L	96
25) trans-1,3-Dichloropropene	13.03	75	58481	5.73 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	44210	5.32 ug/L #	85
27) Dibromochloromethane	14.77	129	69550	5.73 ug/L	93
28) Bromoform	19.67	173	35133	5.82 ug/L #	90
30) 4-Methyl-2-Pentanone	11.07	43	19333	5.11 ug/L #	39
32) Toluene	12.20	91	386414	5.06 ug/L	96
33) 2-Hexanone	13.72	43	14998	5.35 ug/L	93
34) Tetrachloroethene	14.01	164	140500	5.21 ug/L	95
35) Chlorobenzene	16.63	112	232220	5.06 ug/L	99
36) Ethyl Benzene	16.92	106	137135	5.27 ug/L	95
37) m & p Xylene	17.17	91	711671	5.20 ug/L	99
38) o-Xylene	18.53	91	323690	5.22 ug/L	99
39) Styrene	18.73	104	134821	5.30 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	43253	5.19 ug/L	95

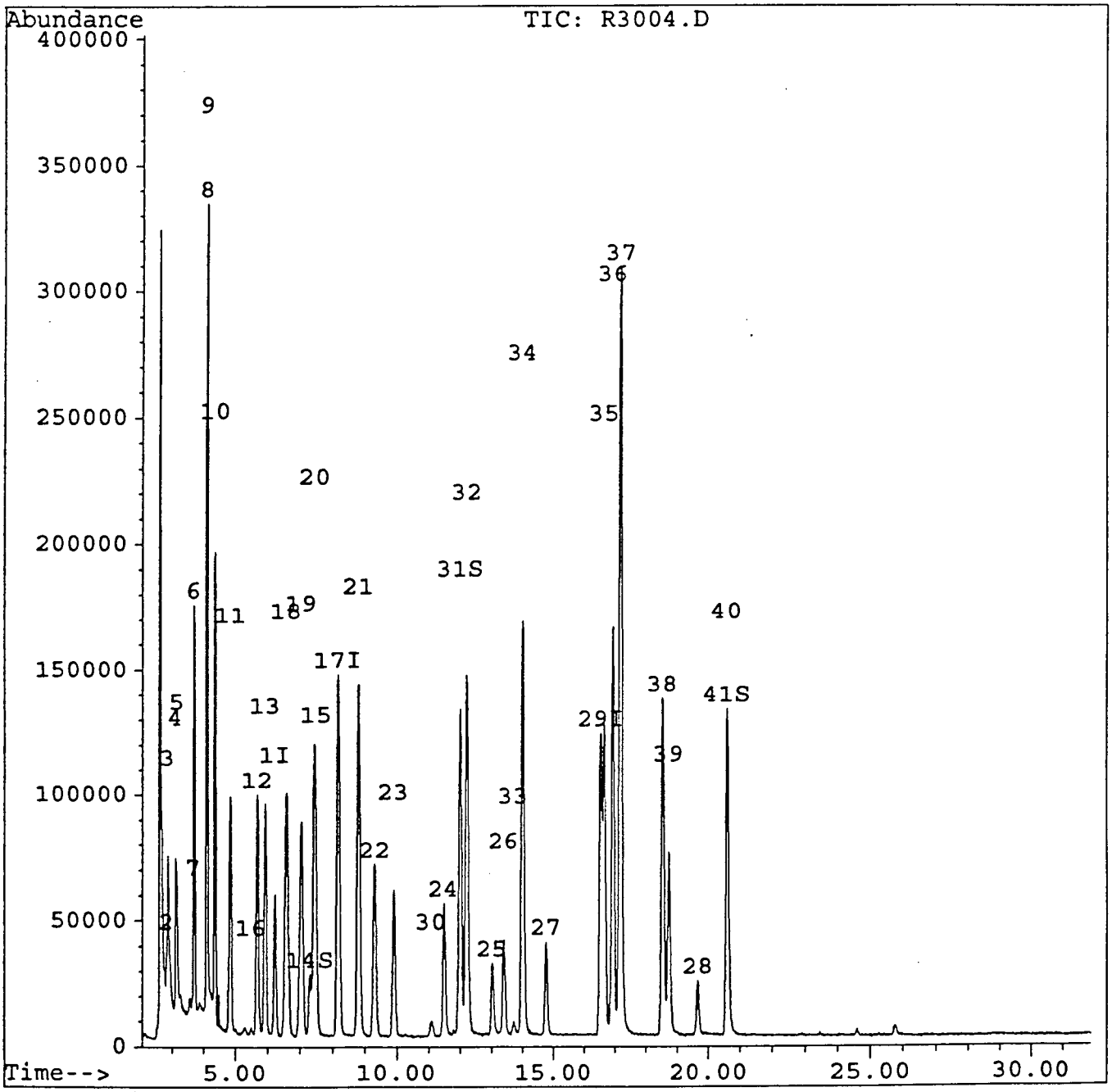
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3004.D
Acq Time : 30 Aug 94 2:22 pm
Sample : POINT 3 5 ug/L
Misc :
Quant Time: Aug 31 10:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.25	130	49471	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.20	114	396408	5.00 ug/L	0.00
29) Chlorobenzene-d5	16.53	117	241368	5.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.32	65	97862	10.45 ug/L	209.04%
31) Toluene-d8	12.00	98	751132	10.72 ug/L	214.36%
41) Bromofluorobenzene	20.60	95	381803	10.14 ug/L	202.83%
Target Compounds					Qvalue
2) Chloromethane	2.86	50	142970	9.34 ug/L	91
3) Vinyl Chloride	2.89	62	168413	9.83 ug/L	98
4) Bromomethane	3.14	94	138049	10.01 ug/L	95
5) Chloroethane	3.18	64	130526	11.16 ug/L	98
6) 1,1-Dichloroethene	3.72	96	228797	10.18 ug/L	89
7) Acetone	3.67	43	21932	2.07 ug/L	91
8) Carbon Disulfide	4.11	76	656406	10.53 ug/L	99
9) Methylene Chloride	4.12	84	226548	5.02 ug/L	97
10) trans-1,2-Dichloroethene	4.37	96	252079	10.32 ug/L	91
11) 1,1-Dichloroethane	4.86	63	452280	11.24 ug/L	98
12) cis-1,2-Dichloroethene	5.70	96	230055	10.42 ug/L	95
13) Chloroform	5.94	83	420375	10.72 ug/L	96
15) 1,2-Dichloroethane	7.53	62	112946	10.85 ug/L	98
16) 2-Butanone	5.51	43	20220	5.76 ug/L #	100
18) 1,1,1-Trichloroethane	6.60	97	475942	10.90 ug/L	97
19) Carbon Tetrachloride	7.04	117	424525	11.18 ug/L	95
20) Benzene	7.46	78	694466	10.12 ug/L	95
21) Trichloroethene	8.81	130	332233	10.89 ug/L	96
22) 1,2-Dichloropropane	9.32	63	209137	10.56 ug/L #	92
23) Bromodichloromethane	9.91	83	270723	10.62 ug/L	96
24) cis-1,3-Dichloropropene	11.49	75	233560	10.78 ug/L	96
25) trans-1,3-Dichloropropene	13.03	75	124142	11.10 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	92548	10.43 ug/L #	87
27) Dibromochloromethane	14.77	129	148251	11.14 ug/L	93
28) Bromoform	19.67	173	74490	11.20 ug/L #	87
30) 4-Methyl-2-Pentanone	11.09	43	41501	10.64 ug/L #	39
32) Toluene	12.21	91	815323	10.40 ug/L	98
33) 2-Hexanone	13.69	43	36616	12.48 ug/L	90
34) Tetrachloroethene	14.02	164	309770	11.08 ug/L	95
35) Chlorobenzene	16.64	112	490942	10.42 ug/L	98
36) Ethyl Benzene	16.92	106	298426	11.01 ug/L	95
37) m & p Xylene	17.17	91	1551143	10.94 ug/L	99
38) o-Xylene	18.54	91	702054	10.90 ug/L	99
39) Styrene	18.73	104	286319	10.79 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	92331	10.70 ug/L	94

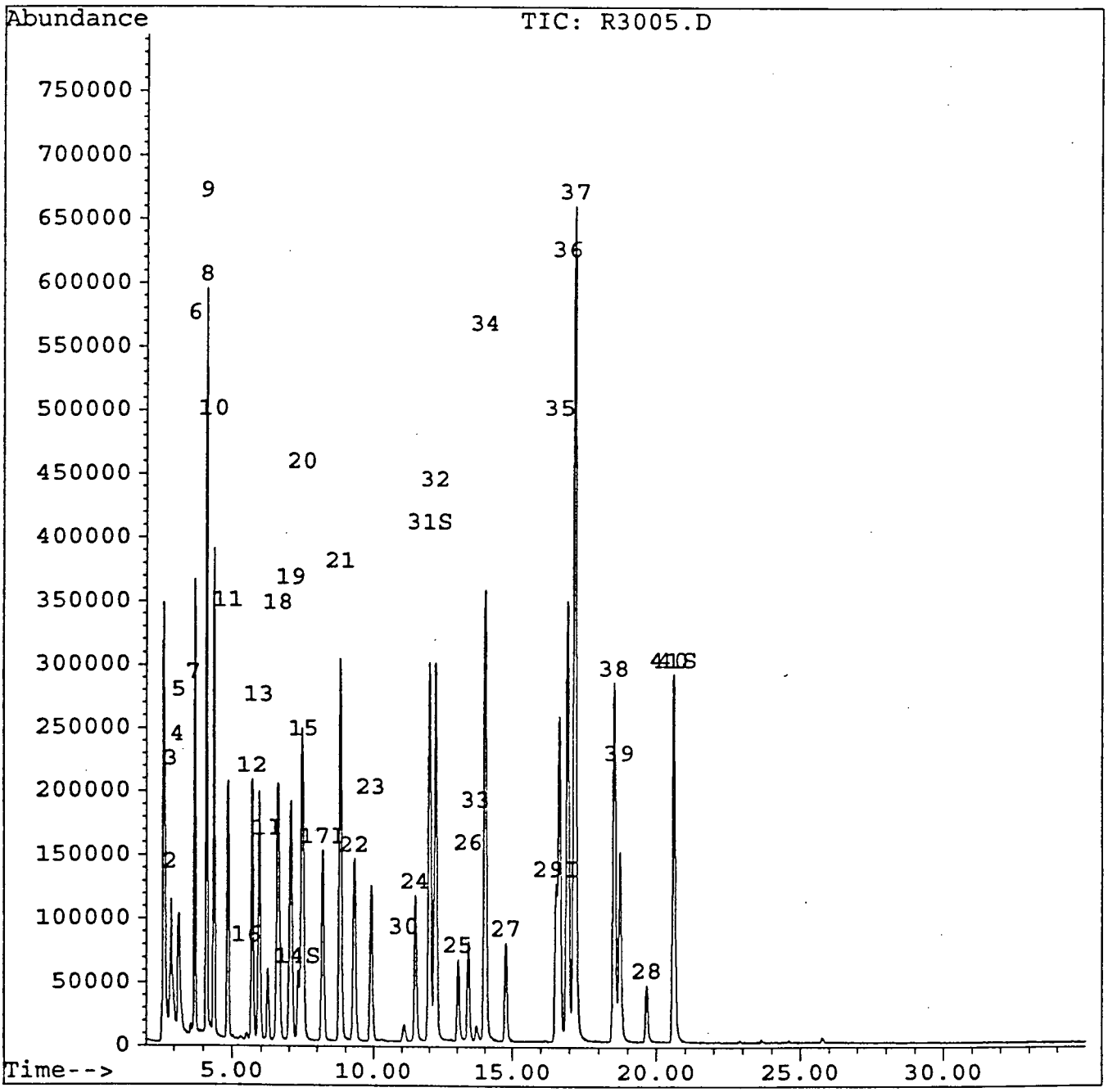
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3005.D
Acq Time : 30 Aug 94 3:02 pm
Sample : POINT 4 10 ug/L
Misc :
Quant Time: Aug 31 10:14 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	42155	5.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.19	114	303328	5.00 ug/L	-0.01
29) Chlorobenzene-d5	16.53	117	191703	5.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.31	65	199162	23.90 ug/L	477.97%
31) Toluene-d8	11.99	98	1413415	24.14 ug/L	482.77%
41) Bromofluorobenzene	20.60	95	771400	24.95 ug/L	499.00%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	269005	21.03 ug/L	90
3) Vinyl Chloride	2.88	62	300709	20.84 ug/L	98
4) Bromomethane	3.13	94	269699	22.52 ug/L	97
5) Chloroethane	3.17	64	230758	22.01 ug/L	98
6) 1,1-Dichloroethene	3.71	96	426821	21.79 ug/L	92
7) Acetone	3.66	43	39509	6.46 ug/L m	90
8) Carbon Disulfide	4.10	76	1196377	21.83 ug/L	98
9) Methylene Chloride	4.11	84	352123	11.55 ug/L m	96
10) trans-1,2-Dichloroethene	4.36	96	475851	22.19 ug/L	93
11) 1,1-Dichloroethane	4.85	63	871719	23.86 ug/L	98
12) cis-1,2-Dichloroethene	5.69	96	454191	23.32 ug/L	95
13) Chloroform	5.93	83	821402	23.52 ug/L	95
15) 1,2-Dichloroethane	7.51	62	233718	25.03 ug/L	98
16) 2-Butanone	5.49	43	30064	12.63 ug/L #	100
18) 1,1,1-Trichloroethane	6.59	97	879992	24.92 ug/L	97
19) Carbon Tetrachloride	7.05	117	786729	25.33 ug/L	95
20) Benzene	7.45	78	1328390	24.67 ug/L	95
21) Trichloroethene	8.81	130	630081	25.49 ug/L	97
22) 1,2-Dichloropropane	9.30	63	425555	26.71 ug/L #	93
23) Bromodichloromethane	9.91	83	562037	27.28 ug/L	95
24) cis-1,3-Dichloropropene	11.48	75	454774	25.77 ug/L m	96
25) trans-1,3-Dichloropropene	13.02	75	265253	28.66 ug/L	98
26) 1,1,2-Trichloroethane	13.40	97	196824	27.63 ug/L #	86
27) Dibromochloromethane	14.76	129	284788	25.84 ug/L m	93
28) Bromoform	19.67	173	159690	28.78 ug/L m	87
30) 4-Methyl-2-Pentanone	11.07	43	87276	26.73 ug/L #	95
32) Toluene	12.20	91	1566046	24.27 ug/L	98
33) 2-Hexanone	13.67	43	65389	25.53 ug/L #	30
34) Tetrachloroethene	14.01	164	571753	24.33 ug/L	95
35) Chlorobenzene	16.65	112	981980	25.23 ug/L	97
36) Ethyl Benzene	16.92	106	574422	25.13 ug/L	95
37) m & p Xylene	17.17	91	2980398	25.02 ug/L	99
38) o-Xylene	18.54	91	1375611	25.45 ug/L	99
39) Styrene	18.73	104	586406	26.24 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	197816	27.33 ug/L	93

0247

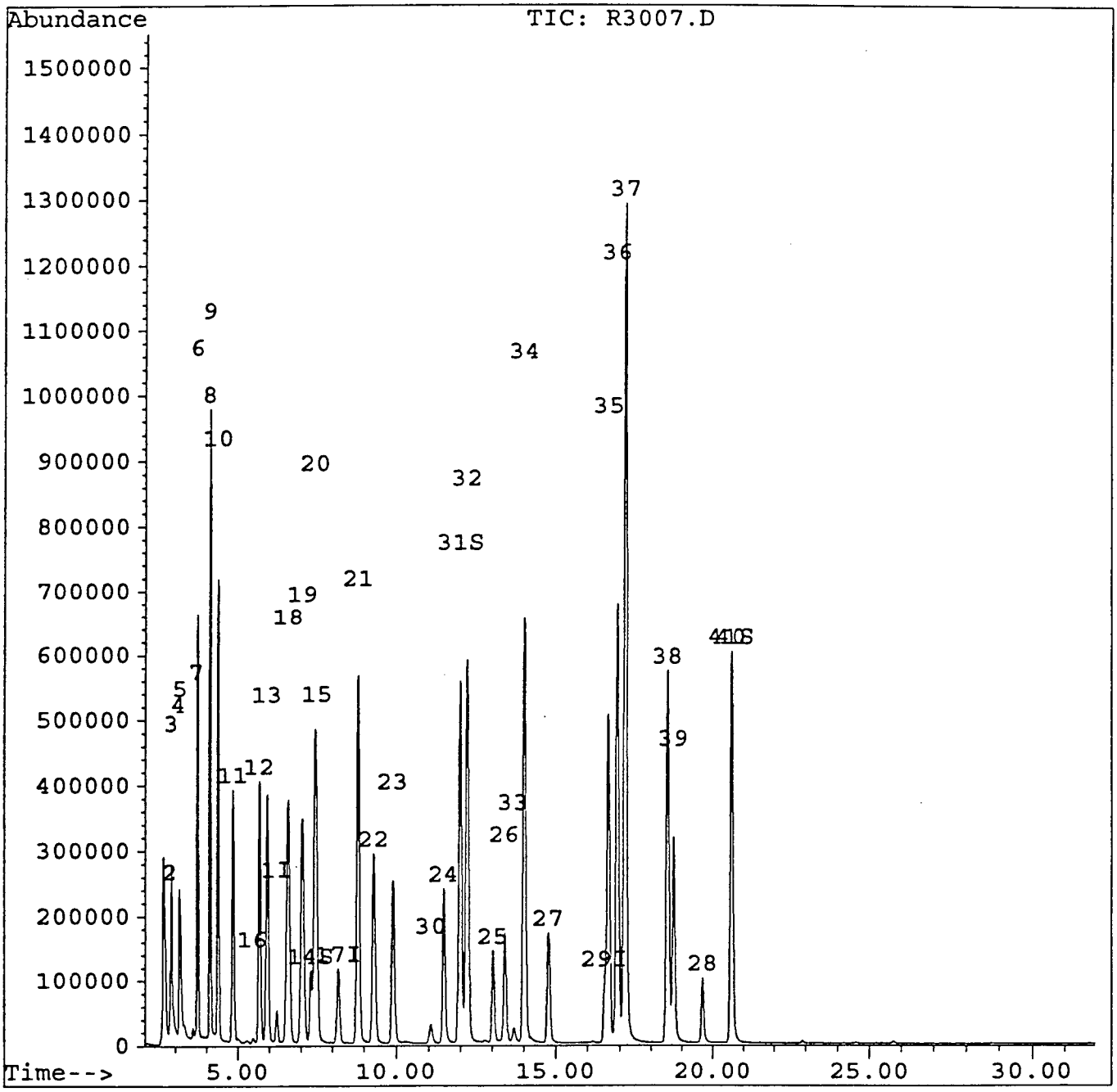
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\CALIBRA\R3007.D
Acq Time : 30 Aug 94 4:28 pm
Sample : POINT 6 25 ug/L
Misc :
Quant Time: Aug 31 13:12 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Sun Sep 18 09:58:48 1994
Response via : Multiple Level Calibration



0248

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Name: NEW ENGLAND TESTING Contract: G & H RD/RA

SDG No.: NETL18-1

Lab Code: RI010

Instrument ID: 5972 Calibration Date(s): 08/31/94 08/31/94

Heated Purge:(Y/N) Y Calibration Times: 1407 1706

GC Column: VOCOL ID: 0.75 (mm)

LAB FILE ID: RRF05 = R3102 RRF10 = R3103

RRF50 = R3104 RRF75 = R3105 RRF100 = R3106

COMPOUND	RRF05	RRF10	RRF50	RRF75	RRF100	$\overline{RRF}$	% RSD
Chloromethane	0.664	0.448	0.444	0.478	0.502	0.507	17.898
Bromomethane	* 0.455	0.411	0.336	0.386	0.308	0.379	15.455 *
Vinyl Chloride	* 0.593	0.477	0.449	0.505	0.532	0.511	10.804 *
Chloroethane	0.458	0.394	0.421	0.371	0.292	0.387	16.091
Methylene Chloride	3.603	1.501	1.766	1.247	2.014	2.026	45.749
Acetone	1.528	0.552	0.530	0.314	0.542	0.693	68.811
Carbon Disulfide	2.369	2.185	2.336	2.575	2.653	2.424	7.8051
1,1-Dichloroethene	* 0.937	0.784	0.832	0.895	0.919	0.873	7.3082 *
1,1-Dichloroethane	* 1.892	1.755	1.893	2.081	2.179	1.960	8.6034 *
1,2-Dichloroethene(total)	2.119	1.922	2.088	2.275	2.359	2.153	7.9132
Chloroform	* 2.052	1.858	2.017	2.192	2.288	2.081	7.9613 *
1,2-Dichloroethane	* 1.138	1.065	1.115	1.202	1.253	1.155	6.3941 *
2-Butanone	0.522	0.477	0.527	0.429	0.460	0.483	8.6226
1,1,1-Trichloroethane	* 0.478	0.441	0.469	0.512	0.530	0.486	7.2675 *
Carbon Tetrachloride	* 0.418	0.393	0.426	0.458	0.475	0.434	7.5177 *
Bromodichloromethane	* 0.490	0.470	0.503	0.545	0.565	0.515	7.6464 *
1,2-Dichloropropane	0.330	0.310	0.328	0.356	0.367	0.338	6.8741
cis-1,3-Dichloropropene	* 0.467	0.442	0.471	0.512	0.530	0.484	7.3867 *
Trichloroethene	* 0.348	0.344	0.346	0.376	0.390	0.361	5.7953 *
Dibromochloromethane	* 0.402	0.409	0.432	0.468	0.483	0.439	8.1333 *
1,1,2-Trichloroethane	* 0.307	0.298	0.308	0.328	0.335	0.315	4.9425 *
Benzene	* 0.829	0.725	0.768	0.830	0.861	0.803	6.8463 *
trans-1,3-Dichloropropene	* 0.335	0.322	0.344	0.371	0.385	0.351	7.3951 *
Bromoform	* 0.326	0.337	0.353	0.375	0.382	0.365	6.7582 *
4-Methyl-2-Pentanone	0.485	0.472	0.518	0.482	0.480	0.487	3.646
2-Hexanone	0.317	0.315	0.423	0.304	0.315	0.335	14.806
Tetrachloroethene	* 0.396	0.363	0.394	0.422	0.440	0.403	7.298 *
1,1,2,2-Tetrachloroethane	* 0.659	0.599	0.688	0.695	0.698	0.668	6.2062 *
Toluene	* 1.208	1.087	1.159	1.265	1.316	1.207	7.4045 *
Chlorobenzene	* 0.884	0.803	0.864	0.943	0.977	0.894	7.6199 *
Ethylbenzene	* 0.415	0.376	0.408	0.450	0.463	0.422	8.2225 *
Styrene	* 0.536	0.524	0.553	0.609	0.632	0.571	8.2744 *
Xylene (total)	* 1.028	0.946	1.012	1.100	1.148	1.047	7.5536 *
Toluene-d8	1.320	1.254	1.291	1.245	1.277	1.277	2.3476
Bromofluorobenzene	* 1.121	0.995	1.020	0.980	0.991	1.021	5.6364 *
1,2-Dichloroethane-d4	1.235	1.145	1.172	1.120	1.147	1.164	3.7677

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.23	130	267173	50.00 ug/L	0.01
17) 1,4-Difluorobenzene	8.18	114	1007276	50.00 ug/L	0.01
29) Chlorobenzene-d5	16.54	117	768707	50.00 ug/L	0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.32	65	33004	5.30 ug/L	10.59%
31) Toluene-d8	12.00	98	101725	5.18 ug/L	10.35%
41) Bromofluorobenzene	20.60	95	86153	5.49 ug/L	10.97%
Target Compounds					Qvalue
2) Chloromethane	2.84	50	17742	7.14 ug/L #	45
3) Vinyl Chloride	2.87	62	15852	5.79 ug/L	98
4) Bromomethane	3.13	94	12161	6.17 ug/L	80
5) Chloroethane	3.16	64	12225	6.06 ug/L #	42
6) 1,1-Dichloroethene	3.70	96	25039	5.35 ug/L	97
7) Acetone	3.65	43	40833	10.44 ug/L m	95
8) Carbon Disulfide	4.10	76	63305	4.87 ug/L	95
9) Methylene Chloride	4.11	84	96274	9.71 ug/L m	96
10) trans-1,2-Dichloroethene	4.36	96	27020	5.00 ug/L	95
11) 1,1-Dichloroethane	4.84	63	50549	4.82 ug/L #	55
12) cis-1,2-Dichloroethene	5.69	96	29597	4.83 ug/L	92
13) Chloroform	5.93	83	54827	4.92 ug/L	97
15) 1,2-Dichloroethane	7.52	62	30411	4.92 ug/L #	87
16) 2-Butanone	5.49	43	13934	5.39 ug/L #	100
18) 1,1,1-Trichloroethane	6.57	97	48136	4.92 ug/L #	95
19) Carbon Tetrachloride	7.05	117	42095	4.82 ug/L	96
20) Benzene	7.45	78	83473	5.16 ug/L	93
21) Trichloroethene	8.81	130	35054	4.82 ug/L #	38
22) 1,2-Dichloropropane	9.31	63	33287	4.89 ug/L #	91
23) Bromodichloromethane	9.91	83	49322	4.76 ug/L	94
24) cis-1,3-Dichloropropene	11.50	75	47089	4.83 ug/L #	40
25) trans-1,3-Dichloropropene	13.04	75	33733	4.77 ug/L	96
26) 1,1,2-Trichloroethane	13.42	97	30942	4.87 ug/L	88
27) Dibromochloromethane	14.77	129	40526	4.59 ug/L	95
28) Bromoform	19.67	173	32828	4.60 ug/L #	90
30) 4-Methyl-2-Pentanone	11.08	43	37304	4.98 ug/L #	39
32) Toluene	12.20	91	92836	5.00 ug/L	97
33) 2-Hexanone	13.73	43	24368	4.74 ug/L #	30
34) Tetrachloroethene	14.02	164	30431	4.91 ug/L	94
35) Chlorobenzene	16.66	112	67936	4.94 ug/L	92
36) Ethyl Benzene	16.93	106	31884	4.91 ug/L	97
37) m & p Xylene	17.18	106	81173	4.74 ug/L m	97
38) o-Xylene	18.54	106	38419	2.20 ug/L #	51
39) Styrene	18.74	104	41226	4.70 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.61	83	50624	4.93 ug/L	92

0251

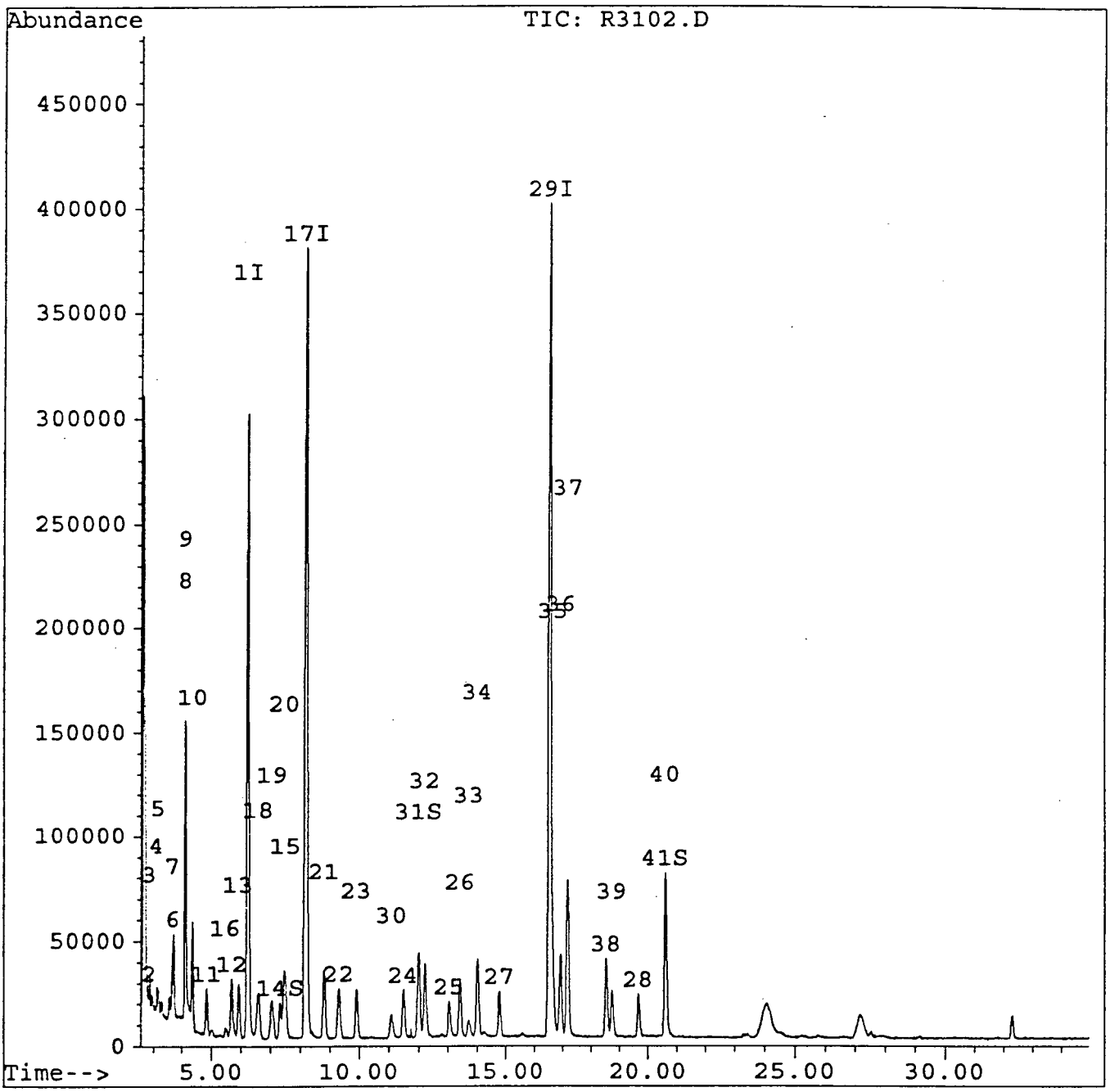
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3102.D
Acq Time : 31 Aug 94 2:07 pm
Sample : POINT 1 5ug/L
Misc :
Quant Time: Sep 1 9:42 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



0252

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.20	130	274848	50.00 ug/L	-0.03
17) 1,4-Difluorobenzene	8.16	114	1018541	50.00 ug/L	-0.02
29) Chlorobenzene-d5	16.52	117	786327	50.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.28	65	157405	24.60 ug/L	49.20%
31) Toluene-d8	11.98	98	493220	24.53 ug/L	49.07%
41) Bromofluorobenzene	20.60	95	391127	24.35 ug/L	48.71%
Target Compounds					Qvalue
2) Chloromethane	2.80	50	61584	22.09 ug/L	94
3) Vinyl Chloride	2.83	62	65524	23.31 ug/L	100
4) Bromomethane	3.06	94	56529	27.13 ug/L	91
5) Chloroethane	3.11	64	54146	25.38 ug/L	92
6) 1,1-Dichloroethene	3.66	96	107679	22.43 ug/L	91
7) Acetone	3.62	43	75816	19.48 ug/L	96
8) Carbon Disulfide	4.06	76	300280	22.52 ug/L	100
9) Methylene Chloride	4.07	84	206211	18.72 ug/L	93
10) trans-1,2-Dichloroethene	4.32	96	123311	22.23 ug/L	91
11) 1,1-Dichloroethane	4.80	63	241154	22.38 ug/L	98
12) cis-1,2-Dichloroethene	5.64	96	140924	22.41 ug/L	94
13) Chloroform	5.89	83	255293	22.31 ug/L	96
15) 1,2-Dichloroethane	7.49	62	146305	23.05 ug/L #	61
16) 2-Butanone	5.46	43	65526	24.70 ug/L #	100
18) 1,1,1-Trichloroethane	6.54	97	224795	22.70 ug/L #	91
19) Carbon Tetrachloride	7.00	117	200361	22.67 ug/L	95
20) Benzene	7.42	78	369198	22.58 ug/L	94
21) Trichloroethene	8.79	130	175414	23.86 ug/L	96
22) 1,2-Dichloropropane	9.29	63	157823	22.94 ug/L #	93
23) Bromodichloromethane	9.89	83	239130	22.83 ug/L	95
24) cis-1,3-Dichloropropene	11.47	75	225255	22.83 ug/L	96
25) trans-1,3-Dichloropropene	13.02	75	164019	22.92 ug/L	95
26) 1,1,2-Trichloroethane	13.39	97	151586	23.61 ug/L #	86
27) Dibromochloromethane	14.76	129	208387	23.32 ug/L	94
28) Bromoform	19.67	173	171541	23.76 ug/L #	87
30) 4-Methyl-2-Pentanone	11.06	43	185549	24.20 ug/L #	95
32) Toluene	12.19	91	427565	22.52 ug/L	98
33) 2-Hexanone	13.68	43	123861	23.53 ug/L #	83
34) Tetrachloroethene	14.00	164	142832	22.54 ug/L	94
35) Chlorobenzene	16.64	112	315583	22.44 ug/L	99
36) Ethyl Benzene	16.92	106	147845	22.27 ug/L	93
37) m & p Xylene	17.16	106	380213	25.79 ug/L m	93
38) o-Xylene	18.52	106	181368	11.39 ug/L #	50
39) Styrene	18.73	104	205889	22.94 ug/L	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	235470	22.42 ug/L	93

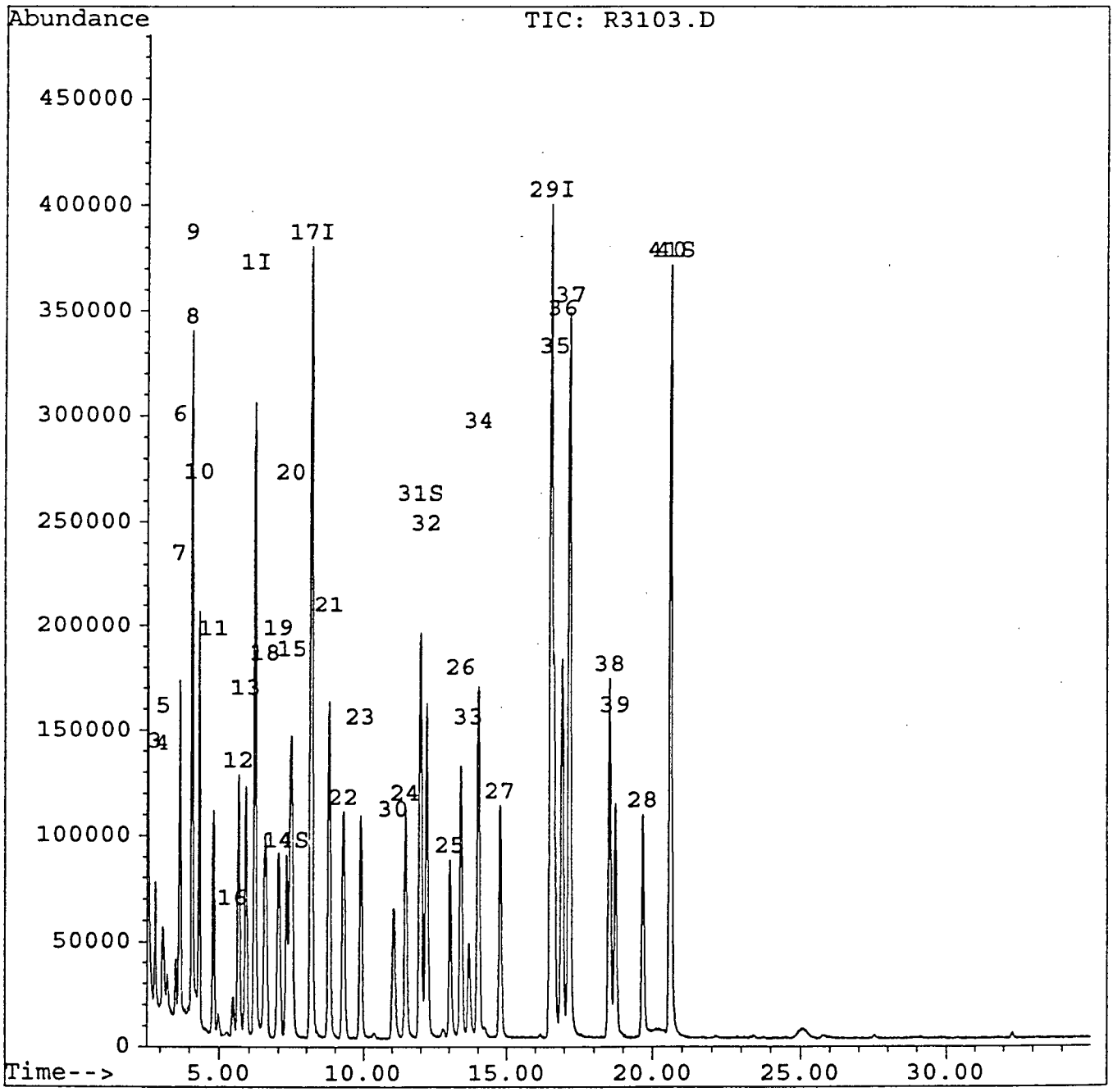
(#) = qualifier out of range (m) = manual integration
R3103.D VOC06.M Thu Sep 01 09:50:24 1994 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3103.D
Acq Time : 31 Aug 94 2:49 pm
Sample : POINT 2 25ug/L
Misc :
Quant Time: Sep 1 9:43 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.18	130	269644	50.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.14	114	1009243	50.00 ug/L	-0.02
29) Chlorobenzene-d5	16.52	117	771176	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.26	65	316001	50.34 ug/L	100.69%
31) Toluene-d8	11.97	98	995877	50.52 ug/L	101.03%
41) Bromofluorobenzene	20.59	95	786510	49.94 ug/L	99.87%
Target Compounds					Qvalue
2) Chloromethane	2.81	50	119612	43.74 ug/L #	89
3) Vinyl Chloride	2.83	62	121151	43.93 ug/L	99
4) Bromomethane	3.06	94	90566	44.30 ug/L	100
5) Chloroethane	3.10	64	113575	54.26 ug/L	97
6) 1,1-Dichloroethene	3.67	96	224369	47.64 ug/L	90
7) Acetone	3.63	43	142944	37.72 ug/L	97
8) Carbon Disulfide	4.06	76	629808	48.13 ug/L	99
9) Methylene Chloride	4.07	84	474965	43.95 ug/L	93
10) trans-1,2-Dichloroethene	4.32	96	263160	48.36 ug/L	93
11) 1,1-Dichloroethane	4.80	63	510329	48.27 ug/L	98
12) cis-1,2-Dichloroethene	5.64	96	299774	48.60 ug/L	95
13) Chloroform	5.88	83	543743	48.43 ug/L	96
15) 1,2-Dichloroethane	7.47	62	300646	48.29 ug/L	98
16) 2-Butanone	5.46	43	141984	54.55 ug/L #	100
18) 1,1,1-Trichloroethane	6.54	97	473346	48.24 ug/L	97
19) Carbon Tetrachloride	7.00	117	429545	49.04 ug/L	96
20) Benzene	7.41	78	775095	47.85 ug/L	95
21) Trichloroethene	8.77	130	349623	47.99 ug/L	96
22) 1,2-Dichloropropane	9.27	63	328563	48.21 ug/L #	93
23) Bromodichloromethane	9.87	83	507324	48.87 ug/L	95
24) cis-1,3-Dichloropropene	11.46	75	474867	48.57 ug/L	97
25) trans-1,3-Dichloropropene	13.00	75	346723	48.90 ug/L	97
26) 1,1,2-Trichloroethane	13.38	97	311143	48.91 ug/L #	86
27) Dibromochloromethane	14.75	129	435863	49.22 ug/L	94
28) Bromoform	19.67	173	356504	49.83 ug/L #	87
30) 4-Methyl-2-Pentanone	11.04	43	399564	53.13 ug/L #	96
32) Toluene	12.18	91	893758	48.01 ug/L	98
33) 2-Hexanone	13.67	43	326159	63.18 ug/L #	83
34) Tetrachloroethene	13.99	164	303466	48.83 ug/L	95
35) Chlorobenzene	16.63	112	666205	48.32 ug/L	98
36) Ethyl Benzene	16.91	106	314527	48.31 ug/L	95
37) m & p Xylene	17.16	106	795641	66.75 ug/L m	95
38) o-Xylene	18.52	106	382713	27.63 ug/L #	50
39) Styrene	18.72	104	426190	48.41 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	530628	51.53 ug/L	93

0257

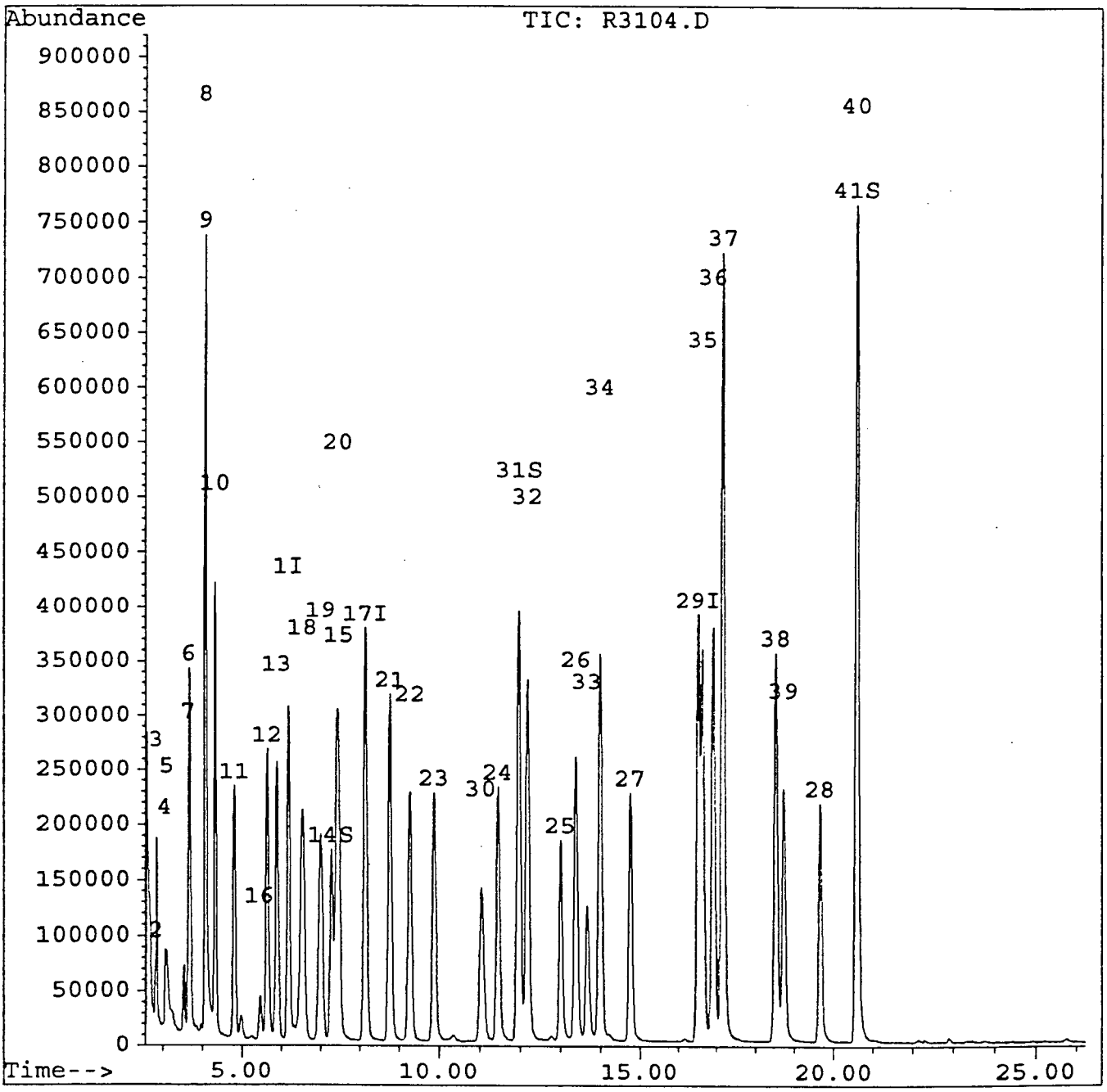
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3104.D
Acq Time : 31 Aug 94 3:57 pm
Sample : POINT 3 50ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



0258

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.22	130	261414	50.00 ug/L	0.04
17) 1,4-Difluorobenzene	8.18	114	991284	50.00 ug/L	0.04
29) Chlorobenzene-d5	16.54	117	757237	50.00 ug/L	0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.30	65	439273	72.19 ug/L	144.37%
31) Toluene-d8	11.99	98	1413727	73.04 ug/L	146.08%
41) Bromofluorobenzene	20.59	95	1112576	71.94 ug/L	143.88%
Target Compounds					Qvalue
2) Chloromethane	2.83	50	187343	70.66 ug/L	93
3) Vinyl Chloride	2.86	62	198152	74.11 ug/L	99
4) Bromomethane	3.09	94	151496	76.31 ug/L	98
5) Chloroethane	3.13	64	145403	71.65 ug/L	94
6) 1,1-Dichloroethene	3.69	96	351007	76.87 ug/L	90
7) Acetone	3.66	43	123016	33.68 ug/L	97
8) Carbon Disulfide	4.09	76	1009676	79.62 ug/L	99
9) Methylene Chloride	4.10	84	488832	46.67 ug/L	94
10) trans-1,2-Dichloroethene	4.35	96	415351	78.74 ug/L	92
11) 1,1-Dichloroethane	4.84	63	816181	79.63 ug/L	98
12) cis-1,2-Dichloroethene	5.67	96	476839	79.74 ug/L	95
13) Chloroform	5.92	83	859635	78.97 ug/L	95
15) 1,2-Dichloroethane	7.51	62	471303	78.08 ug/L	98
16) 2-Butanone	5.50	43	168121	66.63 ug/L #	100
18) 1,1,1-Trichloroethane	6.58	97	760850	78.96 ug/L	97
19) Carbon Tetrachloride	7.03	117	681448	79.20 ug/L	95
20) Benzene	7.44	78	1234794	77.60 ug/L	95
21) Trichloroethene	8.81	130	559602	78.20 ug/L	97
22) 1,2-Dichloropropane	9.30	63	529084	79.03 ug/L #	93
23) Bromodichloromethane	9.90	83	809705	79.41 ug/L	95
24) cis-1,3-Dichloropropene	11.47	75	761406	79.29 ug/L	96
25) trans-1,3-Dichloropropene	13.02	75	552145	79.28 ug/L	97
26) 1,1,2-Trichloroethane	13.39	97	487468	78.01 ug/L #	86
27) Dibromochloromethane	14.76	129	695142	79.92 ug/L	94
28) Bromoform	19.67	173	557307	79.30 ug/L #	87
30) 4-Methyl-2-Pentanone	11.06	43	547174	74.11 ug/L #	39
32) Toluene	12.20	91	1436459	78.59 ug/L	98
33) 2-Hexanone	13.68	43	345504	68.16 ug/L #	82
34) Tetrachloroethene	14.00	164	479464	78.58 ug/L	94
35) Chlorobenzene	16.64	112	1070925	79.10 ug/L	97
36) Ethyl Benzene	16.92	106	510610	79.86 ug/L	96
37) m & p Xylene	17.17	106	1270311	140.35 ug/L m	96
38) o-Xylene	18.53	106	615058	52.26 ug/L #	48
39) Styrene	18.73	104	692298	80.09 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.60	83	789647	78.09 ug/L	93

0260

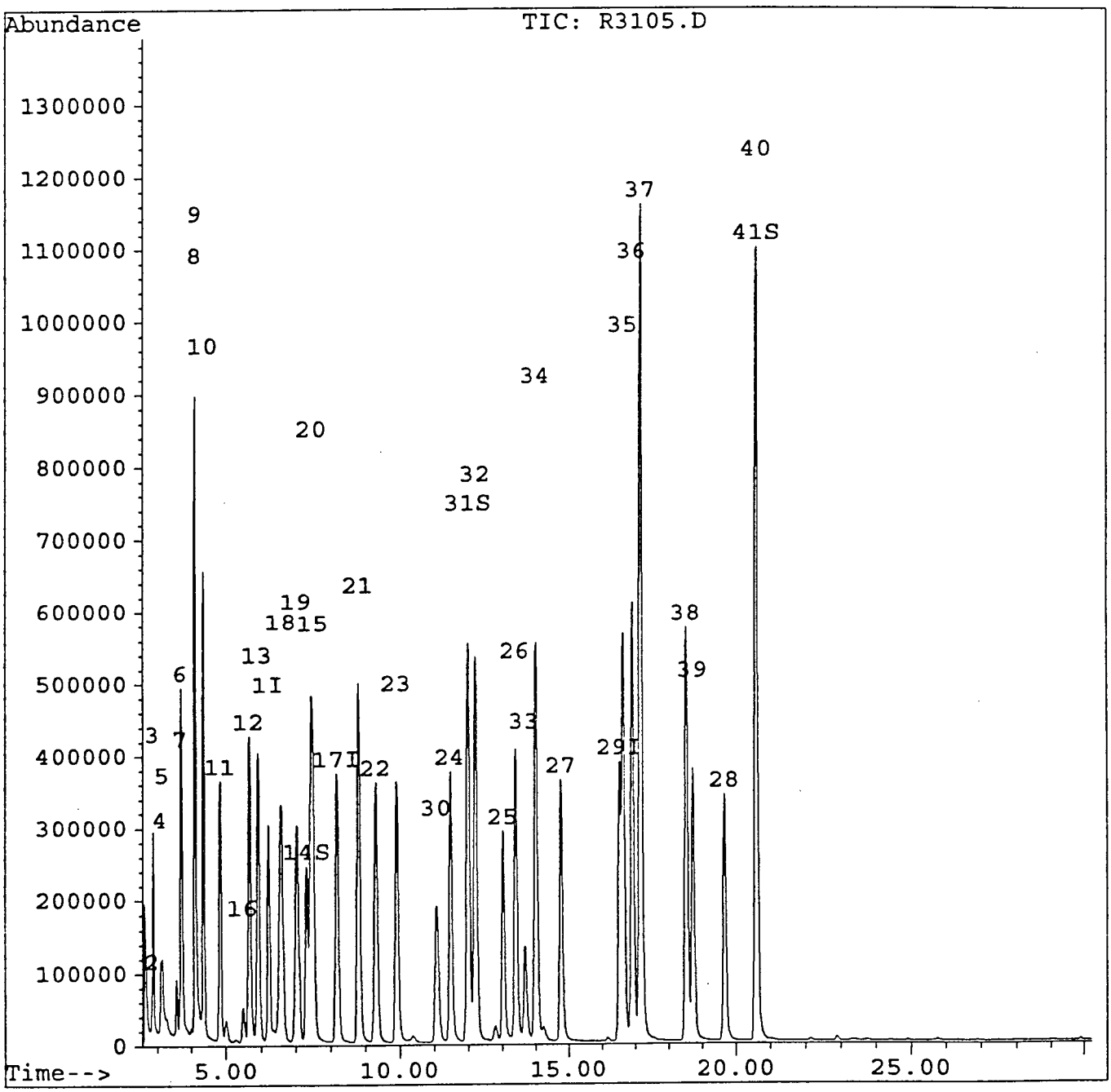
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3105.D
Acq Time : 31 Aug 94 4:29 pm
Sample : POINT 4 75ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.22	130	252502	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.17	114	963096	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.53	117	736384	50.00 ug/L	0.00
System Monitoring Compounds					**%Recovery**
14) 1,2-Dichloroethane-d4	7.30	65	579065	98.52 ug/L	197.04%
31) Toluene-d8	11.98	98	1880011	99.88 ug/L	199.76%
41) Bromofluorobenzene	20.59	95	1458990	97.01 ug/L	194.02%
Target Compounds					**Qvalue**
2) Chloromethane	2.82	50	253456	98.97 ug/L	92
3) Vinyl Chloride	2.86	62	268704	104.05 ug/L	98
4) Bromomethane	3.08	94	155511	81.15 ug/L	96
5) Chloroethane	3.12	64	147713	75.54 ug/L	96
6) 1,1-Dichloroethene	3.68	96	463983	105.20 ug/L	91
7) Acetone	3.66	43	273652	77.89 ug/L	98
8) Carbon Disulfide	4.08	76	1339990	109.48 ug/L	99
9) Methylene Chloride	4.09	84	1017185	100.55 ug/L	95
10) trans-1,2-Dichloroethene	4.34	96	556053	109.13 ug/L	92
11) 1,1-Dichloroethane	4.83	63	1100240	111.15 ug/L	98
12) cis-1,2-Dichloroethene	5.67	96	635238	109.98 ug/L	94
13) Chloroform	5.91	83	1155639	109.93 ug/L	95
15) 1,2-Dichloroethane	7.50	62	632539	108.50 ug/L	98
16) 2-Butanone	5.50	43	232067	95.21 ug/L #	100
18) 1,1,1-Trichloroethane	6.57	97	1021409	109.09 ug/L	97
19) Carbon Tetrachloride	7.02	117	915543	109.50 ug/L	96
20) Benzene	7.44	78	1657965	107.24 ug/L	94
21) Trichloroethene	8.80	130	750542	107.95 ug/L	96
22) 1,2-Dichloropropane	9.30	63	706844	108.66 ug/L #	92
23) Bromodichloromethane	9.90	83	1088736	109.89 ug/L	95
24) cis-1,3-Dichloropropene	11.47	75	1021321	109.44 ug/L	97
25) trans-1,3-Dichloropropene	13.02	75	741345	109.55 ug/L	97
26) 1,1,2-Trichloroethane	13.39	97	645849	106.36 ug/L #	86
27) Dibromochloromethane	14.76	129	931226	110.16 ug/L	94
28) Bromoform	19.66	173	736003	107.77 ug/L #	87
30) 4-Methyl-2-Pentanone	11.06	43	707289	98.52 ug/L #	95
32) Toluene	12.19	91	1938290	109.04 ug/L	98
33) 2-Hexanone	13.68	43	463358	94.00 ug/L #	84
34) Tetrachloroethene	14.00	164	647877	109.17 ug/L	94
35) Chlorobenzene	16.64	112	1438758	109.27 ug/L	98
36) Ethyl Benzene	16.92	106	681543	109.61 ug/L	95
37) m & p Xylene	17.17	106	1720343	285.79 ug/L m	95
38) o-Xylene	18.53	106	829964	87.01 ug/L #	49
39) Styrene	18.73	104	930632	110.70 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.59	83	1028115	104.54 ug/L	93

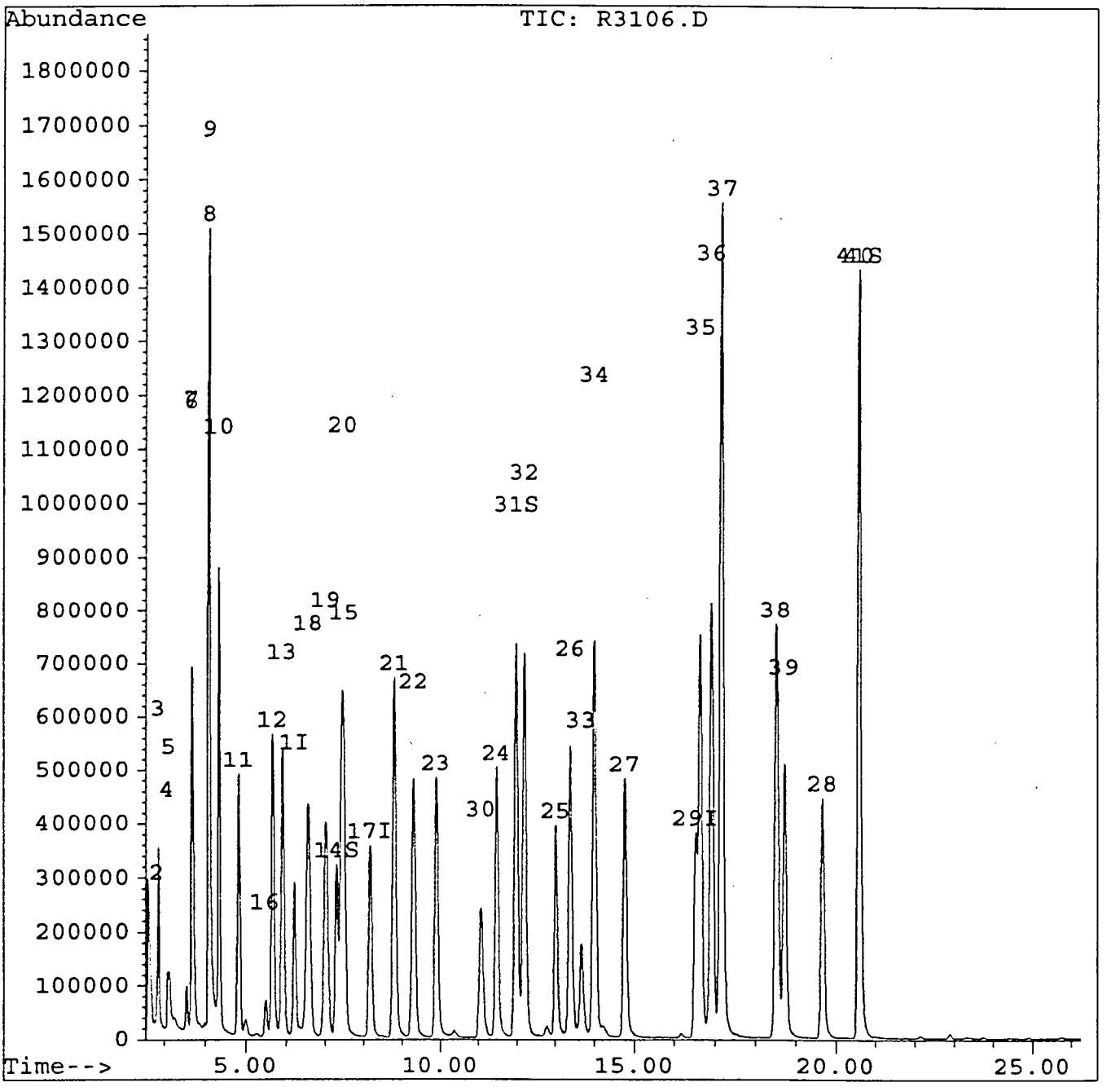
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\R3106.D
Acq Time : 31 Aug 94 5:06 pm
Sample : POINT 5 100ug/L
Misc :
Quant Time: Sep 1 9:44 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Thu Sep 01 09:45:13 1994
Response via : Multiple Level Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Instrument ID: 5972 Calibration Date: 09/02/94 Time: 1052

Lab File ID: S0201 Init. Calib. Date(s): 08/31/94 08/31/94

Heated Purge: (Y/N) Y Init. Calib. Times: 1407 1706

GC Column: VOCOL ID: 0.75 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.507	0.497		2.0	
Bromomethane	0.379	0.411	0.100	-8.4	25.0
Vinyl Chloride	0.511	0.473	0.100	7.4	25.0
Chloroethane	0.387	0.411		-6.2	
Methylene Chloride	2.025	7.869		-288.6	
Acetone	0.693	3.133		-352.1	
Carbon Disulfide	2.424	2.504		-3.3	
1,1-Dichloroethene	0.873	0.904	0.100	-3.6	25.0
1,1-Dichloroethane	1.960	2.093	0.200	-6.8	25.0
1,2-Dichoroethene (total)	2.153	2.273		-5.6	
Chloroform	2.081	2.226	0.200	-7.0	25.0
1,2-Dichloroethane	1.154	1.236	0.100	-7.1	25.0
2-Butanone	0.483	0.755		-56.3	
1,1,1-Trichloroethane	0.486	0.528	0.100	-8.6	25.0
Carbon Tetrachloride	0.434	0.475	0.100	-9.4	25.0
Bromodichloromethane	0.514	0.551	0.200	-7.2	25.0
1,2-Dichloropropane	0.338	0.352		-4.1	
cis-1,3-Dichloropropene	0.485	0.511	0.200	-5.4	25.0
Trichloroethene	0.361	0.380	0.300	-5.3	25.0
Dibromochloromethane	0.439	0.474	0.100	-8.0	25.0
1,1,2-Trichloroethane	0.315	0.335	0.100	-6.3	25.0
Benzene	0.803	0.838	0.500	-4.4	25.0
trans-1,3-Dichloropropene	0.351	0.376	0.100	-7.1	25.0
Bromoform	0.355	0.390	0.100	-9.9	25.0
4-Methyl-2-Pentanone	0.487	0.536		-10.1	
2-Hexanone	0.335	0.434		-29.6	
Tetrachloroethene	0.403	0.429	0.200	-6.5	25.0
1,1,2,2-Tetrachloroethane	0.668	0.761	0.500	-13.9	25.0
Toluene	1.207	1.262	0.400	-4.6	25.0
Chlorobenzene	0.894	0.934	0.500	-4.5	25.0
Ethylbenzene	0.422	0.438	0.100	-3.8	25.0
Styrene	0.571	0.601	0.300	-5.3	25.0
Xylene (total)	1.046	1.099	0.300	-5.1	25.0
Toluene-d8	1.278	1.237		3.2	
Bromofluorobenzene	1.021	1.006	0.200	1.5	25.0
1,2-Dichloroethane-d4	1.164	1.146		1.5	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0201.D
Acq Time : 2 Sep 94 10:52 am
Sample : VSTD050
Misc :
Quant Time: Sep 2 11:19 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Fri Sep 02 11:56:00 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.16	130	196846	50.00 ug/L	-0.06
17) 1,4-Difluorobenzene	8.10	114	747286	50.00 ug/L	-0.07
29) Chlorobenzene-d5	16.47	117	571086	50.00 ug/L	-0.06
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.23	65	225593	51.55 ug/L	103.11%
31) Toluene-d8	11.91	98	706484	50.79 ug/L	101.59%
41) Bromofluorobenzene	20.55	95	574617	52.94 ug/L	105.89%
Target Compounds					Qvalue
2) Chloromethane	2.81	50	97802	47.01 ug/L	91
3) Vinyl Chloride	2.84	62	93189	42.38 ug/L	98
4) Bromomethane	3.08	94	80987	52.33 ug/L m	100
5) Chloroethane	3.12	64	80823	50.27 ug/L m	98
6) 1,1-Dichloroethene	3.66	96	177999	51.60 ug/L	89
7) Acetone	3.61	43	616629	122.95 ug/L m	98
8) Carbon Disulfide	4.05	76	492920	50.09 ug/L	99
9) Methylene Chloride	4.06	84	1549037	102.34 ug/L	96
10) trans-1,2-Dichloroethene	4.31	96	209319	51.04 ug/L	92
11) 1,1-Dichloroethane	4.79	63	412025	51.37 ug/L	98
12) cis-1,2-Dichloroethene	5.62	96	238211	49.94 ug/L	93
13) Chloroform	5.86	83	438232	51.48 ug/L	95
15) 1,2-Dichloroethane	7.44	62	243308	53.59 ug/L	98
16) 2-Butanone	5.43	43	148578	80.47 ug/L m	100
18) 1,1,1-Trichloroethane	6.50	97	394935	54.05 ug/L	98
19) Carbon Tetrachloride	6.98	117	354955	53.98 ug/L	95
20) Benzene	7.37	78	626516	52.85 ug/L	95
21) Trichloroethene	8.73	130	284051	53.00 ug/L	97
22) 1,2-Dichloropropane	9.22	63	263153	52.14 ug/L #	92
23) Bromodichloromethane	9.82	83	411558	53.49 ug/L	95
24) cis-1,3-Dichloropropene	11.41	75	382052	53.32 ug/L	96
25) trans-1,3-Dichloropropene	12.96	75	280803	54.01 ug/L	97
26) 1,1,2-Trichloroethane	13.33	97	250212	55.29 ug/L #	86
27) Dibromochloromethane	14.70	129	354451	54.96 ug/L	94
28) Bromoform	19.62	173	291184	57.91 ug/L #	87
30) 4-Methyl-2-Pentanone	10.98	43	306029	63.70 ug/L #	94
32) Toluene	12.14	91	720936	52.21 ug/L	98
33) 2-Hexanone	13.61	43	247901	74.23 ug/L #	83
34) Tetrachloroethene	13.95	164	244959	53.60 ug/L	94
35) Chlorobenzene	16.59	112	533286	52.44 ug/L	98
36) Ethyl Benzene	16.86	106	249958	52.21 ug/L	94
37) m & p Xylene	17.11	106	642311	106.51 ug/L m	94
38) o-Xylene	18.48	106	306408	52.70 ug/L #	50
39) Styrene	18.68	104	343228	53.73 ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0201.D
Acq Time : 2 Sep 94 10:52 am
Sample : VSTD050
Misc :
Quant Time: Sep 2 11:19 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Fri Sep 02 11:56:00 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.56	83	434612	61.71 ug/L	94

0267

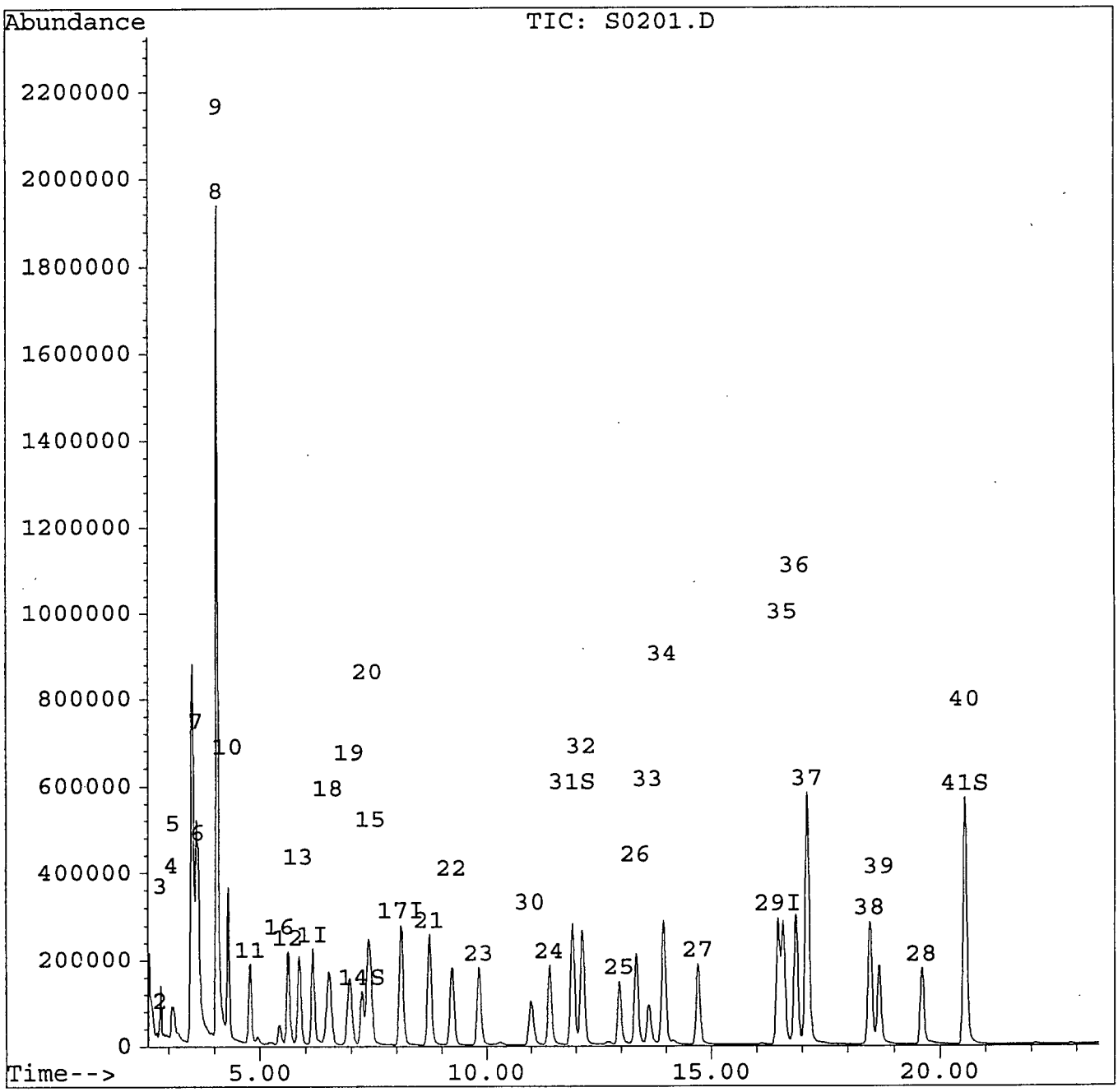
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0201.D
Acq Time : 2 Sep 94 10:52 am
Sample : VSTD050
Misc :
Quant Time: Sep 2 11:19 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Fri Sep 02 11:56:00 1994
Response via : Single Level Calibration



7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Instrument ID 5972 Calibration Date: 09/04/94 Time: 1038

Lab File ID: S0402 Init. Calib. Date(s): 08/31/94 08/31/94

Heated Purge: (Y/N) Y Init. Calib. Times: 1407 1706

GC Column: VOCOL ID: 0.75 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	0.507	0.413		18.5	
Bromomethane	0.379	0.413	0.100	-9.0	25.0
Vinyl Chloride	0.511	0.452	0.100	11.5	25.0
Chloroethane	0.387	0.461		-19.1	
Methylene Chloride	2.025	3.606		-78.1	
Acetone	0.639	1.435		-124.6	
Carbon Disulfide	2.424	2.221		8.4	
1,1-Dichloroethene	0.873	0.777	0.100	11.0	25.0
1,1-Dichloroethane	1.960	1.777	0.200	9.3	25.0
1,2-Dichoroethene (total)	2.153	1.937		10.0	
Chloroform	2.081	1.887	0.200	9.3	25.0
1,2-Dichloroethane	1.154	0.971	0.100	15.9	25.0
2-Butanone	0.483	0.507		-5.0	
1,1,1-Trichloroethane	0.486	0.444	0.100	8.6	25.0
Carbon Tetrachloride	0.434	0.396	0.100	8.8	25.0
Bromodichloromethane	0.514	0.458	0.200	10.9	25.0
1,2-Dichloropropane	0.338	0.300		11.2	
cis-1,3-Dichloropropene	0.485	0.420	0.200	13.4	25.0
Trichloroethene	0.361	0.322	0.300	10.8	25.0
Dibromochloromethane	0.439	0.370	0.100	15.7	25.0
1,1,2-Trichloroethane	0.315	0.257	0.100	18.4	25.0
Benzene	0.803	0.715	0.500	11.0	25.0
trans-1,3-Dichloropropene	0.351	0.297	0.100	15.4	25.0
Bromoform	0.355	0.272	0.100	23.4	25.0
4-Methyl-2-Pentanone	0.487	0.462		5.1	
2-Hexanone	0.335	0.247		26.3	
Tetrachloroethene	0.403	0.342	0.200	15.1	25.0
1,1,2,2-Tetrachloroethane	0.668	0.739	0.500	-10.6	25.0
Toluene	1.207	1.024	0.400	15.2	25.0
Chlorobenzene	0.894	0.755	0.500	15.5	25.0
Ethylbenzene	0.422	0.356	0.100	15.6	25.0
Styrene	0.571	0.478	0.300	16.3	25.0
Xylene (total)	1.046	0.892	0.300	14.7	25.0
Toluene-d8	1.278	1.140		10.8	
Bromofluorobenzene	1.021	0.871	0.200	14.7	25.0
1,2-Dichloroethane-d4	1.164	1.025		11.9	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0402.D
Acq Time : 4 Sep 94 10:38 am
Sample : VSTD050
Misc :
Quant Time: Sep 4 12:53 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sun Sep 04 12:54:30 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.19	130	237297	50.00 ug/L	0.03
17) 1,4-Difluorobenzene	8.14	114	897587	50.00 ug/L	0.04
29) Chlorobenzene-d5	16.50	117	720039	50.00 ug/L	0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	243244	44.72 ug/L	89.44%
31) Toluene-d8	11.95	98	820881	46.08 ug/L	92.16%
41) Bromofluorobenzene	20.57	95	627065	43.28 ug/L	86.55%
Target Compounds					Qvalue
2) Chloromethane	2.82	50	98085	41.60 ug/L m	82
3) Vinyl Chloride	2.84	62	107184	47.71 ug/L m	97
4) Bromomethane	3.09	94	98101	50.24 ug/L m	99
5) Chloroethane	3.13	64	109343	56.11 ug/L	95
6) 1,1-Dichloroethene	3.68	96	184274	42.94 ug/L	91
7) Acetone	3.63	43	340529	22.91 ug/L m	98
8) Carbon Disulfide	4.07	76	527107	44.35 ug/L	98
9) Methylene Chloride	4.08	84	855623	22.91 ug/L	94
10) trans-1,2-Dichloroethene	4.33	96	215259	42.65 ug/L	92
11) 1,1-Dichloroethane	4.81	63	421586	42.44 ug/L	98
12) cis-1,2-Dichloroethene	5.65	96	244434	42.56 ug/L	95
13) Chloroform	5.89	83	447721	42.37 ug/L	96
15) 1,2-Dichloroethane	7.47	62	230348	39.27 ug/L	98
16) 2-Butanone	5.45	43	120311	33.59 ug/L m	100
18) 1,1,1-Trichloroethane	6.55	97	398732	42.03 ug/L m	97
19) Carbon Tetrachloride	7.00	117	355458	41.69 ug/L m	95
20) Benzene	7.41	78	641791	42.64 ug/L m	95
21) Trichloroethene	8.77	130	289413	42.41 ug/L m	96
22) 1,2-Dichloropropane	9.27	63	269593	42.65 ug/L m	47
23) Bromodichloromethane	9.87	83	411098	41.58 ug/L m	95
24) cis-1,3-Dichloropropene	11.44	75	376995	41.08 ug/L m	97
25) trans-1,3-Dichloropropene	12.98	75	266437	39.50 ug/L m	97
26) 1,1,2-Trichloroethane	13.36	97	230487	38.35 ug/L m	87
27) Dibromochloromethane	14.73	129	331691	38.95 ug/L m	94
28) Bromoform	19.64	173	244013	34.88 ug/L m	87
30) 4-Methyl-2-Pentanone	11.02	43	332700	43.11 ug/L m	93
32) Toluene	12.17	91	736961	40.54 ug/L	98
33) 2-Hexanone	13.65	43	177913	28.46 ug/L m	87
34) Tetrachloroethene	13.97	164	246583	39.92 ug/L	94
35) Chlorobenzene	16.61	112	543957	40.45 ug/L	99
36) Ethyl Benzene	16.89	106	256099	40.63 ug/L	95
37) m & p Xylene	17.14	106	658322	81.29 ug/L m	95
38) o-Xylene	18.50	106	313379	40.56 ug/L #	48
39) Styrene	18.70	104	343905	39.73 ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0402.D
Acq Time : 4 Sep 94 10:38 am
Sample : VSTD050
Misc :
Quant Time: Sep 4 12:53 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sun Sep 04 12:54:30 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.57	83	532082	48.55 ug/L m	94

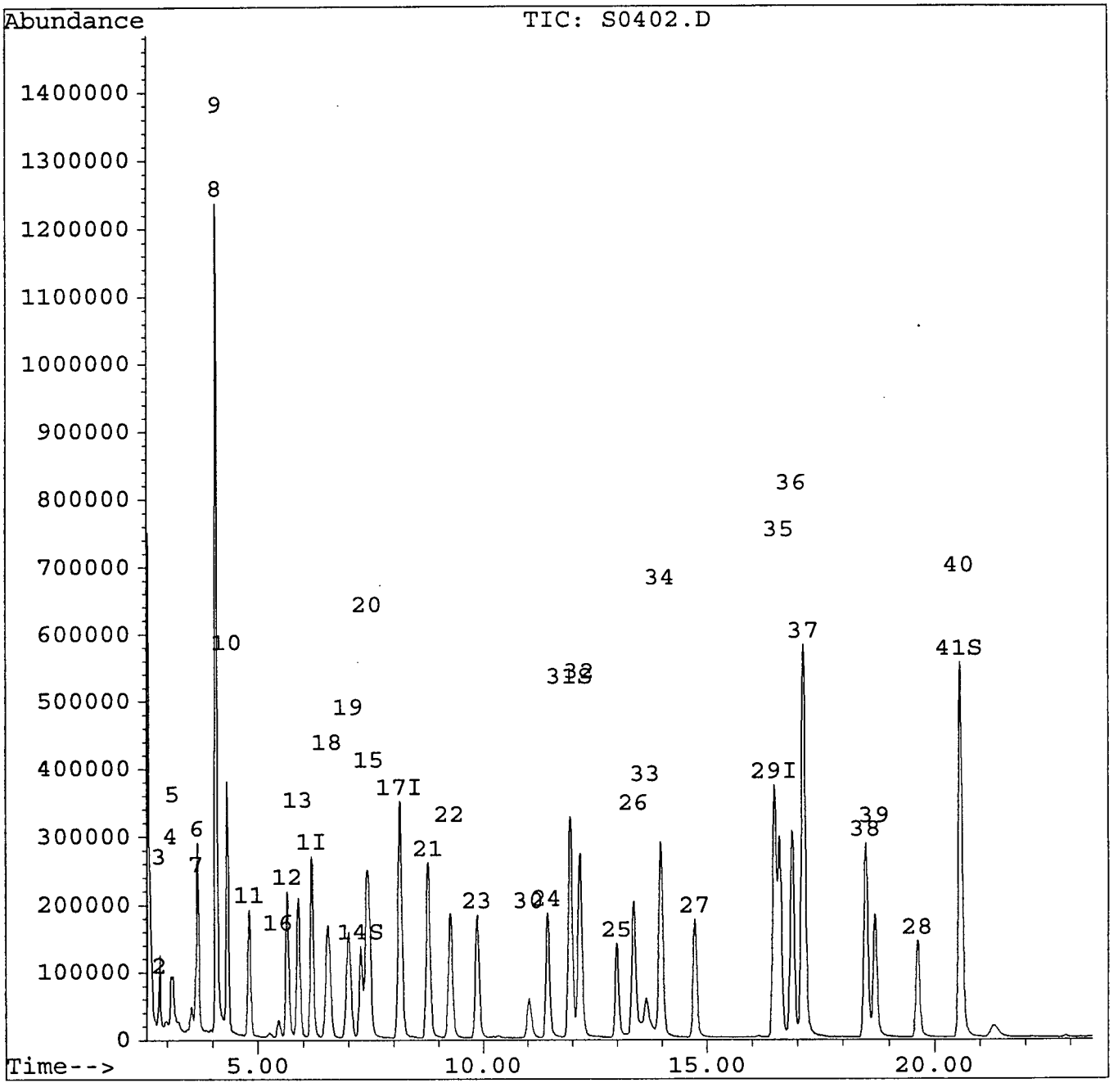
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0402.D
Acq Time : 4 Sep 94 10:38 am
Sample : VSTD050
Misc :
Quant Time: Sep 4 12:53 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sun Sep 04 12:54:30 1994
Response via : Single Level Calibration



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Instrument ID: 5972 Calibration Date: 09/07/94 Time: 0717

Lab File ID: S0701 Init. Calib. Date(s): 8/63/94 08/30/94

Heated Purge: (Y/N) N Init. Calib. Times: 1256 1628

GC Column: VOCOL ID: 0.75 (mm)

COMPOUND	$\overline{RRF}$	RRF05	MIN RRF	%D	MAX %D
Chloromethane	1.472	1.494		-1.5	
Bromomethane	1.389	1.313	0.100	5.5	25.0
Vinyl Chloride	1.665	1.296	0.100	22.2	25.0
Chloroethane	1.192	1.087		8.8	
Methylene Chloride	2.907	16.180		-456.5	
Acetone	0.417	1.259		-202.2	
Carbon Disulfide	6.242	4.765		23.7	
1,1-Dichloroethene	2.231	2.149	0.100	3.7	25.0
1,1-Dichloroethane	4.181	3.491	0.200	16.5	25.0
1,2-Dichoroethene (total)	4.625	4.071		12.0	
Chloroform	4.007	3.460	0.200	13.7	25.0
1,2-Dichloroethane	1.082	1.050	0.100	2.9	25.0
2-Butanone	0.243	0.216		11.2	
1,1,1-Trichloroethane	0.566	0.501	0.100	11.5	25.0
Carbon Tetrachloride	0.498	0.467	0.100	6.2	25.0
Bromodichloromethane	0.335	0.314	0.200	6.3	25.0
1,2-Dichloropropane	0.259	0.234		9.5	
cis-1,3-Dichloropropene	0.286	0.262	0.200	8.4	25.0
Trichloroethene	0.398	0.364	0.300	8.5	25.0
Dibromochloromethane	0.176	0.185	0.100	-5.4	25.0
1,1,2-Trichloroethane	0.116	0.109	0.100	5.7	25.0
Benzene	0.870	0.737	0.500	15.2	25.0
trans-1,3-Dichloropropene	0.166	0.159	0.100	4.4	25.0
Bromoform	0.090	0.098	0.100	-8.6	25.0
4-Methyl-2-Pentanone	0.084	0.075		11.1	
2-Hexanone	0.065	0.064		2.1	
Tetrachloroethene	0.595	0.528	0.200	11.2	25.0
1,1,2,2-Tetrachloroethane	0.187	0.166	0.500	11.0	25.0
Toluene	1.639	1.399	0.400	14.6	25.0
Chlorobenzene	0.994	0.906	0.500	8.9	25.0
Ethylbenzene	0.580	0.514	0.100	11.4	25.0
Styrene	0.571	0.537	0.300	5.9	25.0
Xylene (total)	2.947	2.556	0.300	13.3	25.0
Toluene-d8	1.477	1.273		13.8	
Bromofluorobenzene	0.787	0.749	0.200	4.9	25.0
1,2-Dichloroethane-d4	0.954	0.953		0.1	

All other compounds must meet a minimum RRF of 0.010.

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0701.D
Acq Time : 7 Sep 94 7:17 am
Sample : VSTD005
Misc :
Quant Time: Oct 24 14:11 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:09:29 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.33	130	46942	5.00	ug/L	0.11
17) 1,4-Difluorobenzene	8.30	114	357095	5.00	ug/L	0.13
29) Chlorobenzene-d5	16.69	117	232994	5.00	ug/L	0.16
System Monitoring Compounds						%Recovery
14) 1,2-Dichloroethane-d4	7.43	65	44751	5.16	ug/L	103.15%
31) Toluene-d8	12.14	98	296624	4.59	ug/L	91.85%
41) Bromofluorobenzene	20.76	95	174493	5.19	ug/L	103.80%
Target Compounds						Qvalue
2) Chloromethane	2.88	50	70112	4.98	ug/L m	94
3) Vinyl Chloride	2.92	62	60852	3.68	ug/L m	97
4) Bromomethane	3.17	94	61643	4.49	ug/L m	97
5) Chloroethane	3.21	64	51038	4.44	ug/L m	99
6) 1,1-Dichloroethene	3.76	96	100858	4.75	ug/L m	97
7) Acetone	3.72	43	59090	27.88	ug/L m	93
8) Carbon Disulfide	4.17	76	223660	3.86	ug/L	99
9) Methylene Chloride	4.18	84	759542	28.55	ug/L m	90
10) trans-1,2-Dichloroethene	4.43	96	97699	4.36	ug/L	98
11) 1,1-Dichloroethane	4.93	63	163873	4.08	ug/L	99
12) cis-1,2-Dichloroethene	5.77	96	93399	4.58	ug/L	95
13) Chloroform	6.03	83	162430	4.29	ug/L	95
15) 1,2-Dichloroethane	7.63	62	49282	4.72	ug/L #	88
16) 2-Butanone	5.59	43	10129	5.02	ug/L m	100
18) 1,1,1-Trichloroethane	6.70	97	179080	4.37	ug/L	96
19) Carbon Tetrachloride	7.16	117	166725	4.65	ug/L	95
20) Benzene	7.56	78	263319	4.28	ug/L	95
21) Trichloroethene	8.93	130	130100	4.49	ug/L	97
22) 1,2-Dichloropropane	9.45	63	83569	4.48	ug/L #	92
23) Bromodichloromethane	10.04	83	112226	4.65	ug/L	94
24) cis-1,3-Dichloropropene	11.62	75	97215	4.84	ug/L	98
25) trans-1,3-Dichloropropene	13.19	75	54414	4.97	ug/L	98
26) 1,1,2-Trichloroethane	13.56	97	38820	4.66	ug/L #	88
27) Dibromochloromethane	14.93	129	65994	5.04	ug/L	94
28) Bromoform	19.82	173	34869	5.27	ug/L #	89
30) 4-Methyl-2-Pentanone	11.21	43	17551	4.60	ug/L #	97
32) Toluene	12.35	91	325880	4.27	ug/L	97
33) 2-Hexanone	13.86	43	14871	5.02	ug/L m	30
34) Tetrachloroethene	14.17	164	123045	4.44	ug/L	97
35) Chlorobenzene	16.80	112	211012	4.60	ug/L	96
36) Ethyl Benzene	17.08	106	119803	4.42	ug/L	99
37) m & p Xylene	17.32	91	611801	8.71	ug/L	99
38) o-Xylene	18.68	91	289562	4.53	ug/L	99
39) Styrene	18.89	104	125103	4.70	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0701.D
Acq Time : 7 Sep 94 7:17 am
Sample : VSTD005
Misc :
Quant Time: Oct 24 14:11 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:09:29 1994
Response via : Single Level Calibration

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
40) 1,1,2,2-Tetrachloroethane	20.76	83	38636	4.52 ug/L	95

0275

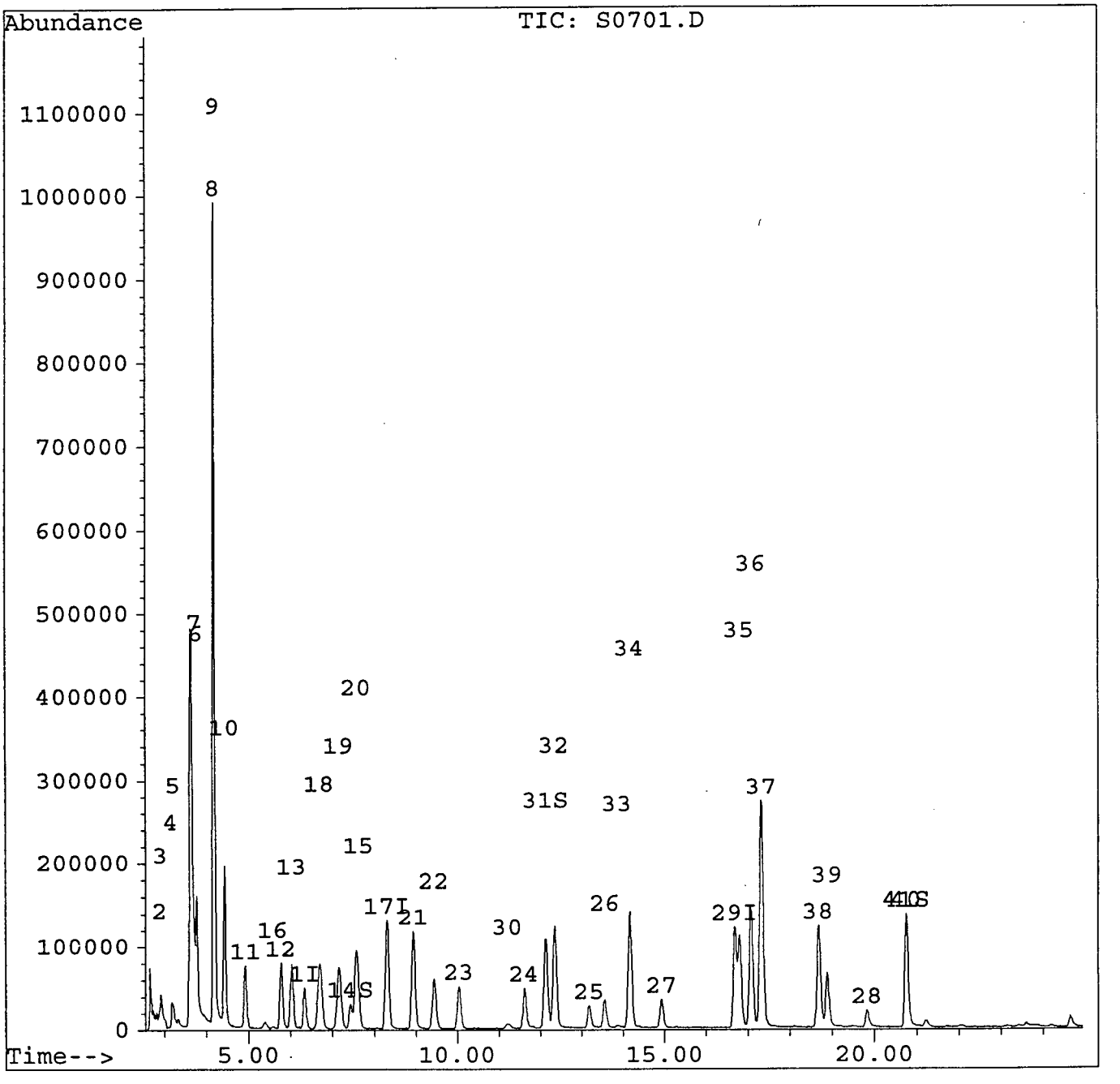
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0701.D
Acq Time : 7 Sep 94 7:17 am
Sample : VSTD005
Misc :
Quant Time: Oct 24 14:11 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:09:29 1994
Response via : Single Level Calibration



0276

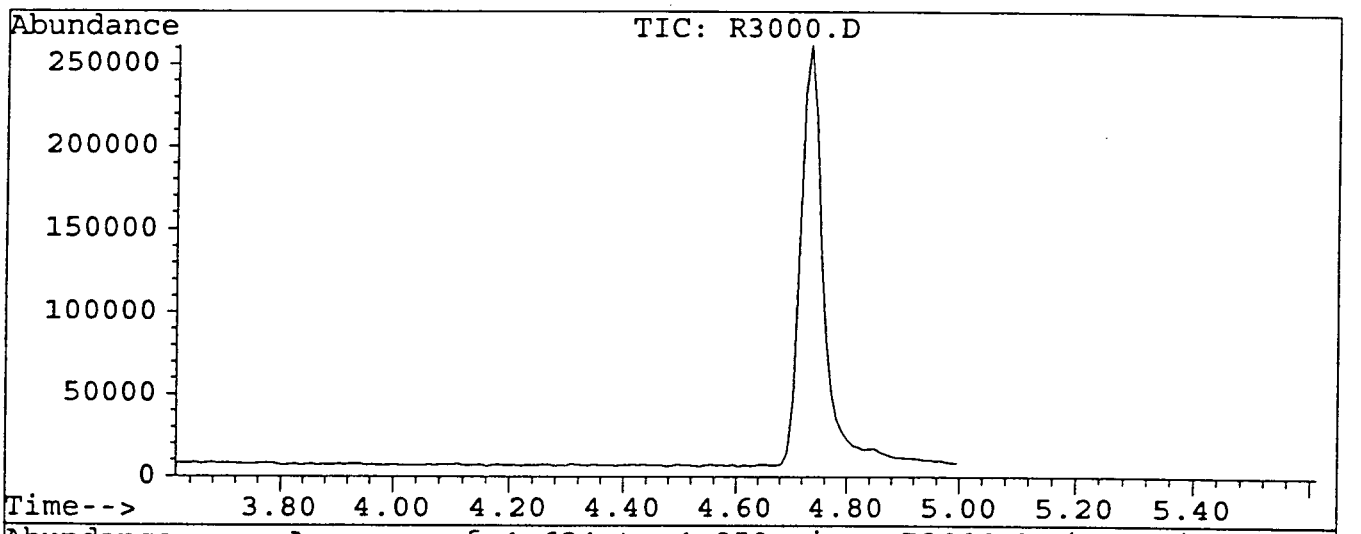
RAW QC DATA

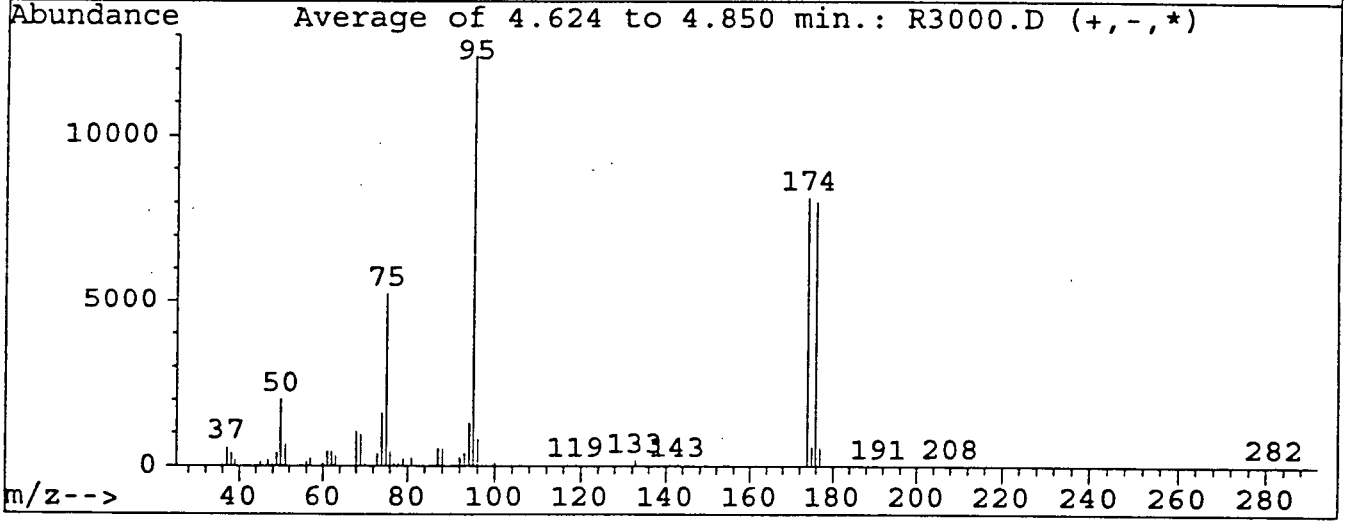
BFB

Data File : C:\HPCHEM\1\DATA\R3000.D
Acq Time : 30 Aug 94 11:47 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : clp compounds





Peak Apex is scan: 211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.2	2012	PASS
75	95	30	60	42.3	5239	PASS
95	95	100	100	100.0	12400	PASS
96	95	5	9	6.7	835	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	65.7	8152	PASS
175	174	5	9	7.4	607	PASS
176	174	95	101	98.7	8046	PASS
177	176	5	9	7.1	571	PASS

R3000.D VOC05.M Tue Aug 30 11:52:30 1994

Average of 4.624 to 4.850 min.: R3000.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.10	10	51.00	662	63.05	331	76.00	452
35.95	40	51.95	17	64.00	23	76.95	90
37.00	567	55.00	48	65.05	4	77.95	92
38.00	411	56.00	145	66.90	11	78.90	207
39.05	191	57.00	263	68.05	1055	79.70	5
44.00	46	57.95	4	69.00	971	79.95	47
45.05	142	60.00	98	70.00	79	80.95	268
46.95	203	60.75	6	71.95	43	81.90	41
47.95	67	61.00	459	72.95	397	86.00	5
48.95	412	61.75	4	74.00	1588	87.00	536
49.95	2012	62.00	440	75.00	5239	88.00	539

Average of 4.624 to 4.850 min.: R3000.D
BFBCHK
Modified:added subtracted scaled

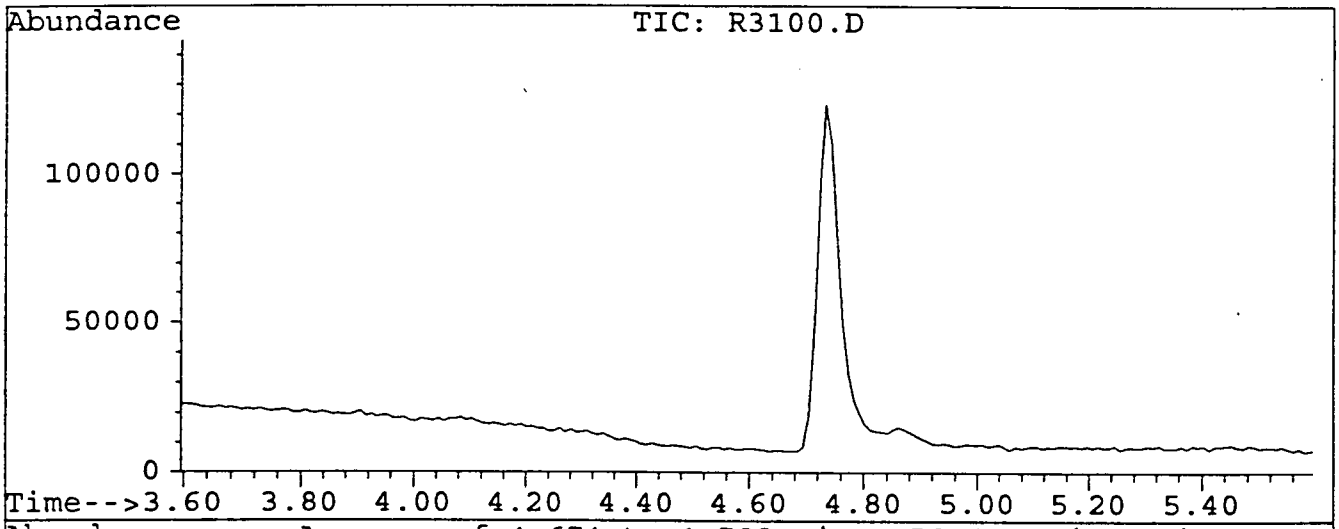
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.00	38	115.90	20	142.95	54	191.05	3
92.00	278	116.90	39	145.90	4	208.00	18
93.00	402	117.90	17	146.85	4	209.00	9
94.05	1302	118.95	49	147.85	11	282.00	34
95.05	12400	127.75	11	149.95	4		
96.05	835	128.00	6	155.05	6		
96.30	8	128.90	5	156.85	5		
96.90	31	129.90	29	173.90	8152		
99.95	96	132.95	171	174.95	607		
103.90	23	134.90	9	175.90	8046		
105.90	21	140.95	49	176.90	571		

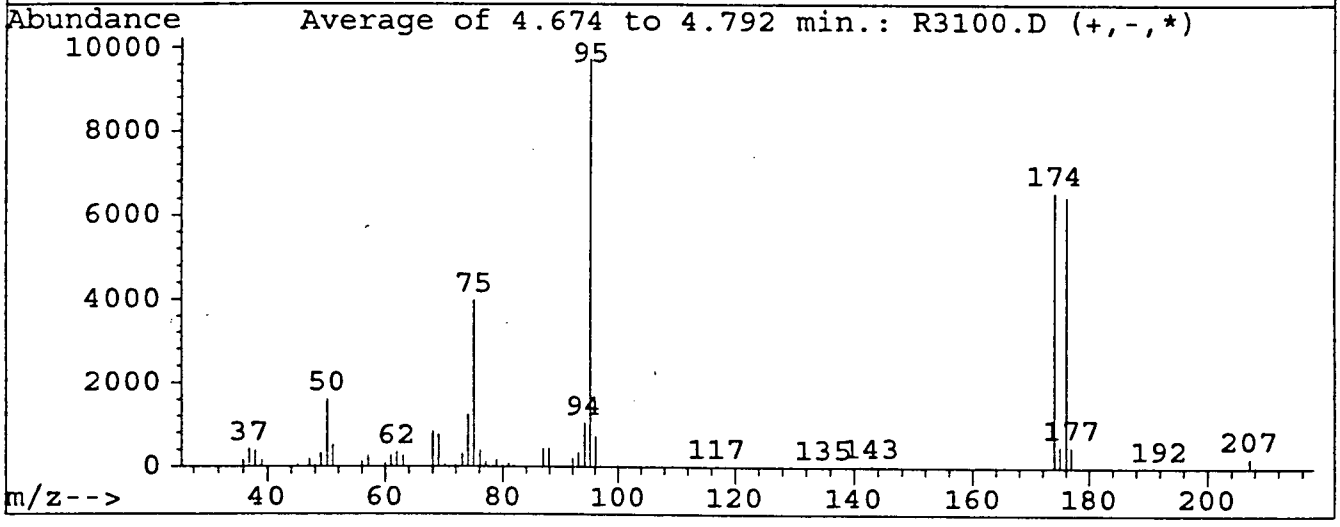
BFB

Data File : C:\HPCHEM\1\DATA\R3100.D
Acq Time : 31 Aug 94 12:41 pm
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST





Peak Apex is scan: 209

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.6	1622	PASS
75	95	30	60	40.9	3989	PASS
95	95	100	100	100.0	9747	PASS
96	95	5	9	7.4	724	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	67.4	6570	PASS
175	174	5	9	7.9	518	PASS
176	174	95	101	98.2	6452	PASS
177	176	5	9	7.8	504	PASS

Average of 4.674 to 4.792 min.: R3100.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	163	51.95	8	69.05	770	80.95	81
37.05	426	56.00	118	70.10	62	81.95	32
38.00	376	57.05	253	71.95	48	86.95	425
38.80	11	59.05	8	73.00	313	87.95	443
39.05	162	60.00	84	74.00	1246	88.80	8
45.05	41	61.05	283	75.00	3989	92.00	202
47.00	183	62.00	346	76.05	381	93.05	342
48.00	45	63.05	260	77.05	118	94.10	1044
49.00	321	63.90	18	78.95	163	95.10	9747
50.05	1622	66.95	9	79.80	11	96.05	724
51.00	543	68.05	841	80.05	23	96.90	34

Average of 4.674 to 4.792 min.: R3100.D
BFBCHK
Modified:added subtracted scaled

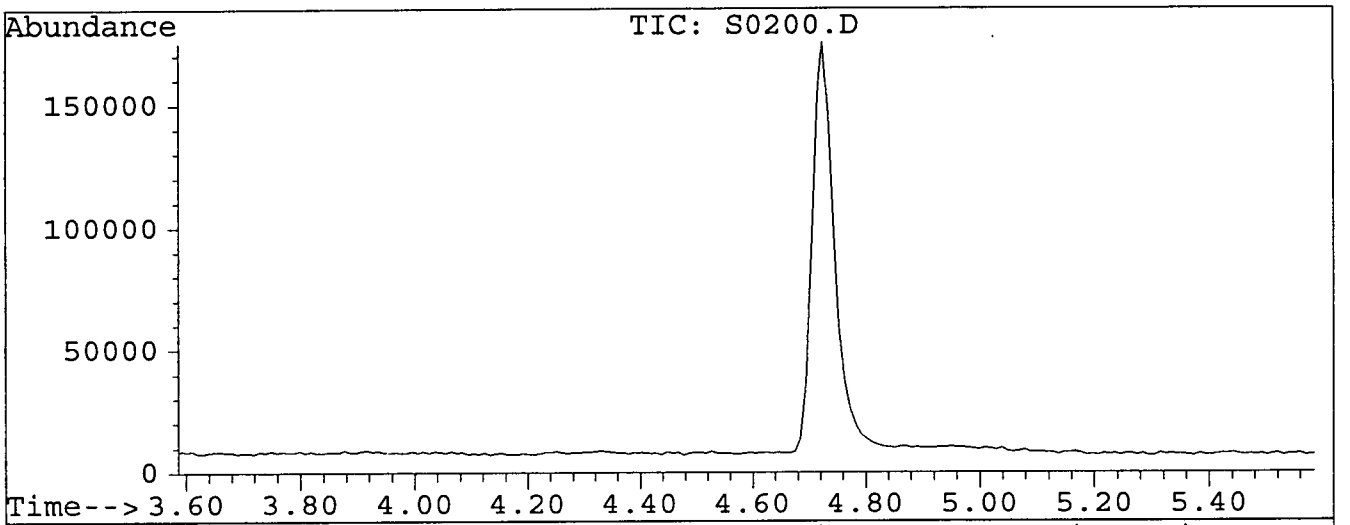
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
99.95	52	148.05	8				
102.75	10	174.00	6570				
104.00	27	174.95	518				
104.95	9	176.00	6452				
105.95	9	176.95	504				
115.00	19	192.00	8				
116.95	27	207.05	249				
135.00	8	208.05	53				
140.95	31						
142.95	52						
147.00	25						

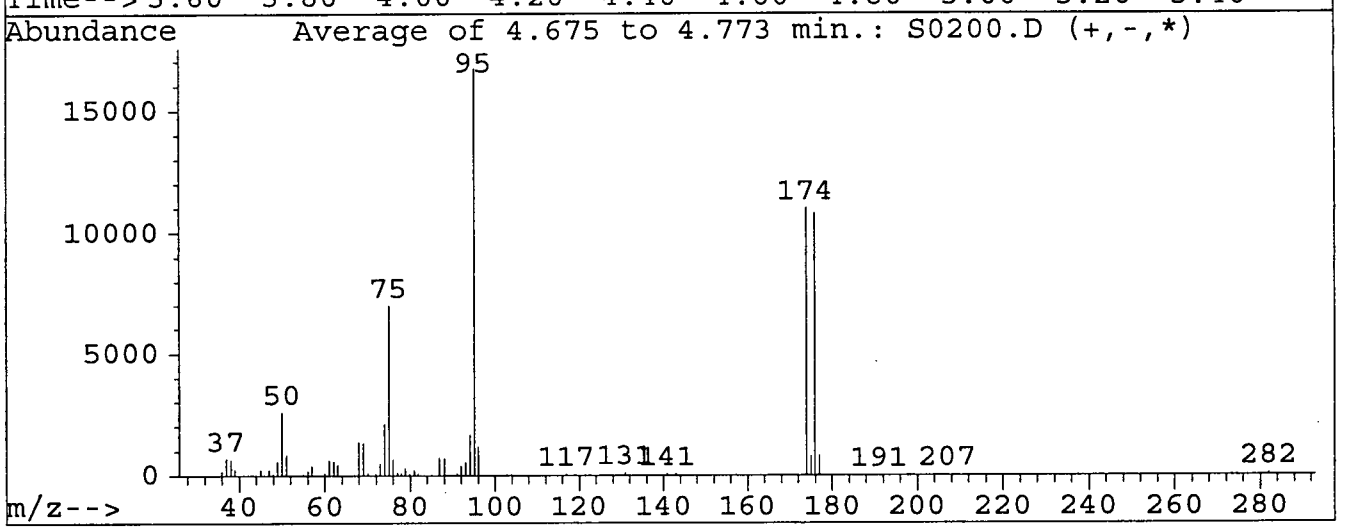
BFB

Data File : C:\HPCHEM\1\DATA\S0200.D
Acq Time : 2 Sep 94 9:49 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC01.M
Title : voa 5 point





Peak Apex is scan: 208

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	2604	PASS
75	95	30	60	41.9	7015	PASS
95	95	100	100	100.0	16724	PASS
96	95	5	9	7.0	1177	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	65.7	10992	PASS
175	174	5	9	7.3	798	PASS
176	174	95	101	98.3	10803	PASS
177	176	5	9	7.5	811	PASS

Average of 4.675 to 4.773 min.: S0200.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	185	52.00	22	68.05	1383	79.95	81
37.00	709	55.00	47	69.00	1322	80.95	219
38.05	629	56.00	198	70.05	114	81.95	81
39.05	266	57.05	386	71.95	76	86.95	725
43.05	19	59.90	119	73.00	504	88.00	709
45.00	226	60.15	14	74.00	2127	91.00	75
47.00	235	61.00	640	75.00	7015	92.00	400
47.95	60	62.00	574	76.00	648	93.00	543
48.95	572	63.05	450	77.00	142	94.10	1681
50.00	2604	64.10	21	77.95	98	95.10	16724
51.00	832	66.95	22	78.90	287	96.05	1177

Average of 4.675 to 4.773 min.: S0200.D
BFBCHK
Modified:added subtracted scaled

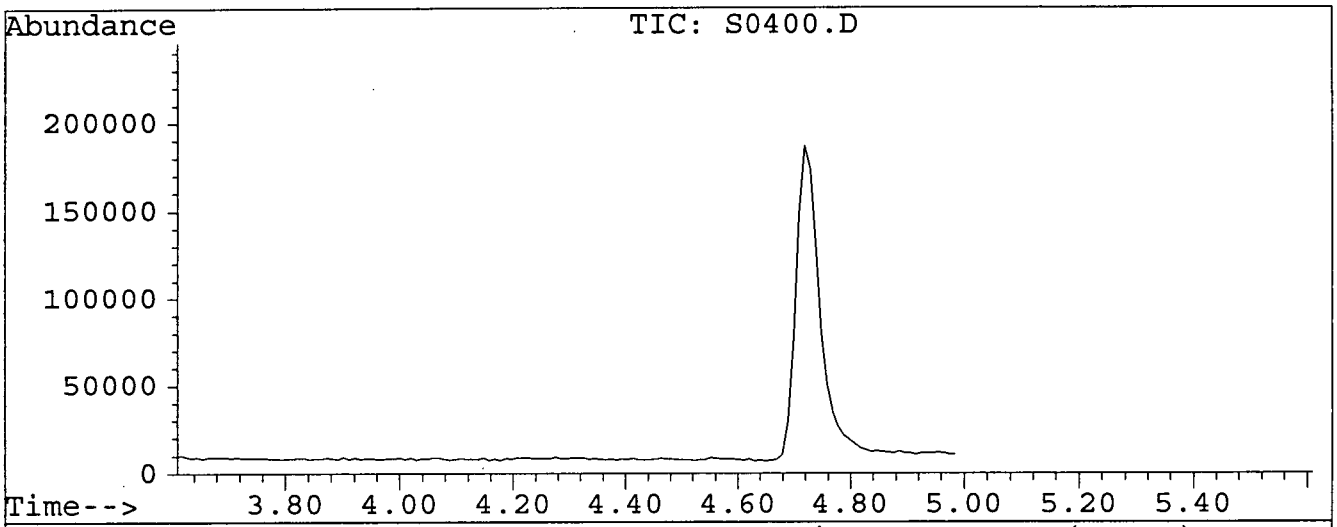
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.90	29	130.95	118	191.00	13		
102.95	36	132.95	33	207.05	35		
103.90	46	135.00	9	281.05	37		
104.95	10	140.95	79	282.00	86		
105.90	29	142.95	76	283.00	10		
114.95	10	160.95	11				
116.95	62	163.05	10				
117.85	10	173.95	10992				
119.00	51	174.95	798				
127.90	13	175.90	10803				
129.90	14	176.95	811				

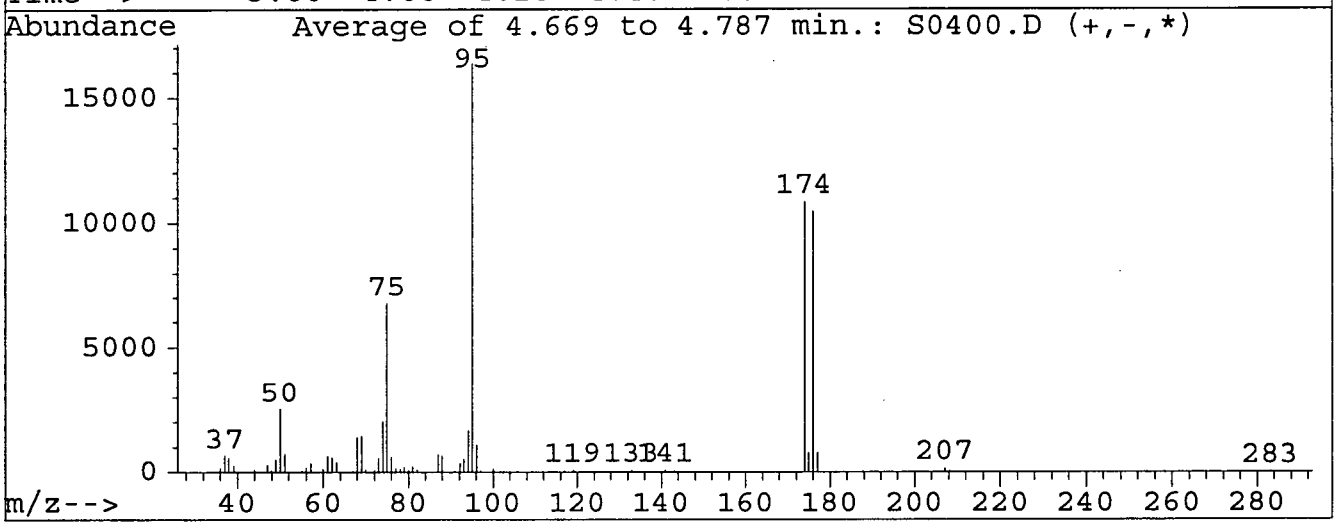
BFB

Data File : C:\HPCHEM\1\DATA\S0400.D
Acq Time : 4 Sep 94 9:46 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST





Peak Apex is scan: 211

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.5	2535	PASS
75	95	30	60	41.4	6779	PASS
95	95	100	100	100.0	16356	PASS
96	95	5	9	6.8	1109	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	66.3	10842	PASS
175	174	5	9	7.4	803	PASS
176	174	95	101	96.5	10460	PASS
177	176	5	9	7.5	786	PASS

Average of 4.669 to 4.787 min.: S0400.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	154	51.00	755	67.10	36	78.05	129
37.05	660	52.05	18	68.00	1407	78.95	200
38.00	598	54.95	49	69.05	1467	79.95	78
39.05	260	56.00	191	69.95	113	81.00	226
40.05	31	57.05	371	72.00	83	81.95	109
44.00	102	60.00	120	72.95	570	87.00	714
45.05	23	61.05	653	74.00	2023	88.00	669
47.00	274	62.05	604	75.00	6779	91.00	57
47.90	70	63.05	415	76.00	623	92.05	366
49.00	508	64.00	31	76.95	162	93.00	549
50.00	2535	65.00	16	77.80	18	94.10	1672

Average of 4.669 to 4.787 min.: S0400.D
BFBCHK
Modified:added subtracted scaled

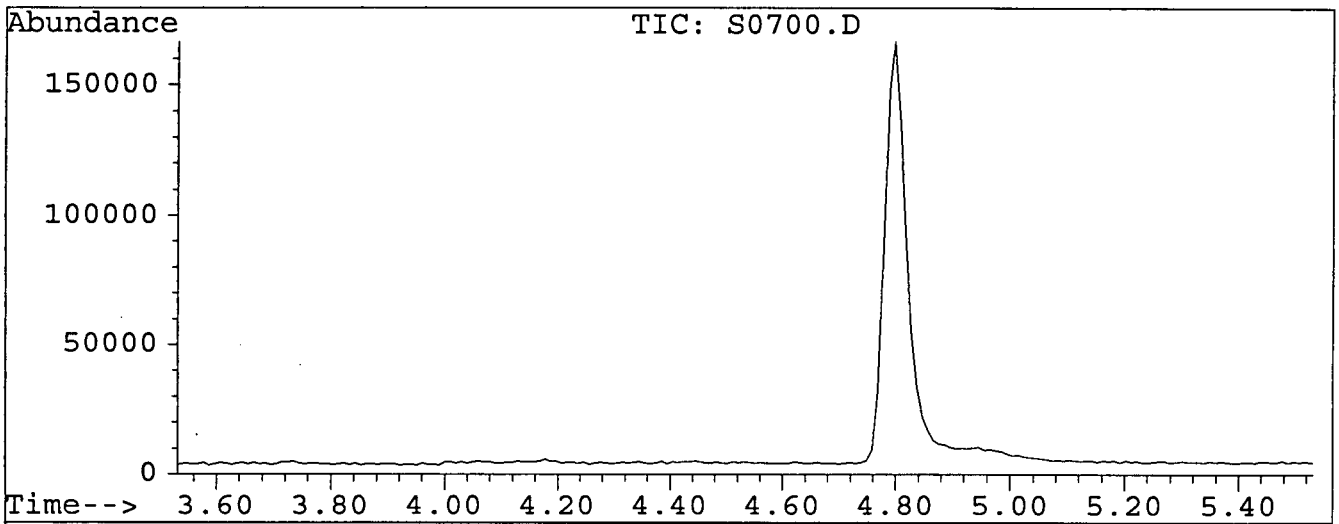
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.10	16356	117.00	60	176.00	10460		
96.10	1109	117.85	8	176.95	786		
96.55	10	119.00	83	207.05	165		
97.00	60	127.90	19	208.05	58		
99.95	126	129.95	30	283.15	23		
103.05	9	133.00	84				
103.90	30	140.95	85				
104.95	9	142.95	53				
105.80	26	148.95	8				
115.05	8	173.95	10842				
115.95	8	175.00	803				

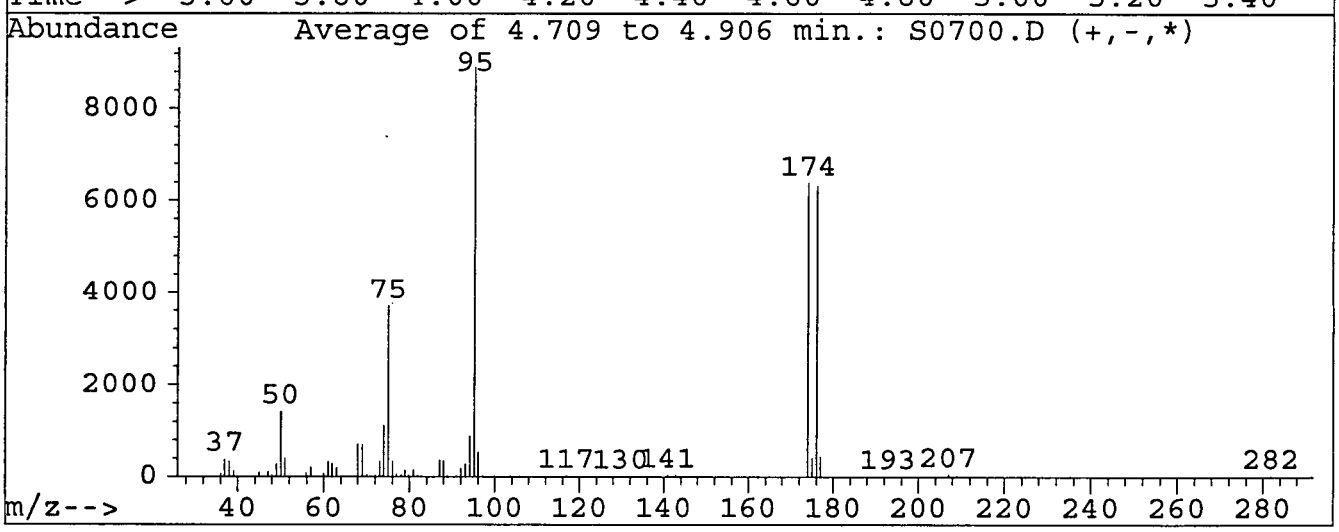
BFB

Data File : C:\HPCHEM\1\DATA\S0700.D
Acq Time : 7 Sep 94 6:52 am
Sample : BFBCHK
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST





Peak Apex is scan: 203

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.9	1415	PASS
75	95	30	60	41.7	3710	PASS
95	95	100	100	100.0	8896	PASS
96	95	5	9	6.1	546	PASS
173	174	0	2	0.0	0	PASS
174	95	50	100	71.7	6378	PASS
175	174	5	9	6.6	421	PASS
176	174	95	101	98.9	6305	PASS
177	176	5	9	7.1	450	PASS

Average of 4.709 to 4.906 min.: S0700.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	79	50.05	1415	68.05	721	79.85	24
37.05	379	51.05	402	69.00	701	80.10	7
38.05	343	52.05	6	70.05	51	80.95	158
39.10	126	55.00	22	72.00	28	81.95	33
41.00	6	55.95	89	73.00	328	82.95	11
43.00	5	57.00	210	74.00	1110	87.00	361
45.05	96	60.05	65	75.00	3710	87.80	6
47.00	117	61.05	337	76.05	330	88.05	351
47.75	5	62.00	294	76.95	53	88.85	11
48.00	40	63.05	195	78.10	50	91.05	21
49.05	276	63.95	5	78.95	141	92.05	181

Average of 4.709 to 4.906 min.: S0700.D
BFBCHK
Modified:added subtracted scaled

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.05	282	117.95	6	207.05	54		
94.10	895	128.00	6	209.00	26		
95.10	8896	129.90	6	281.05	1		
96.05	546	140.90	43	282.00	16		
97.10	16	142.95	39				
100.00	11	162.95	6				
102.95	5	174.00	6378				
103.80	13	175.00	421				
105.95	18	176.00	6305				
116.05	5	177.00	450				
116.90	24	193.00	7				

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK01

Lab Name: New England Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK01

Sample wt/vol: 5.361 (g/mL) g Lab File ID: S0202

Level: (low/med) low Date Received:

% Moisture: not dec. 0 Date Analyzed: 09/02/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

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

CAS NO.	COMPOUND	ug/Kg	Q
540-59-0	1,2-Dichloroethene (trans)	1.0	U
67-66-3	Chloroform	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
127-18-4	Tetrachloroethene	1.0	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0202.D
Acq Time : 2 Sep 94 11:42 am
Sample : VBLK01 5.361g/5ml
Misc :
Quant Time: Oct 19 7:18 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.12	130	275592	50.00 ug/L	-0.04
17) 1,4-Difluorobenzene	8.08	114	1026689	50.00 ug/L	-0.02
29) Chlorobenzene-d5	16.46	117	692954	50.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.21	65	292674	46.33 ug/L	92.67%
31) Toluene-d8	11.90	98	870079	50.75 ug/L	101.50%
41) Bromofluorobenzene	20.54	95	652797	46.81 ug/L	93.63%

Target Compounds Qvalue

0289

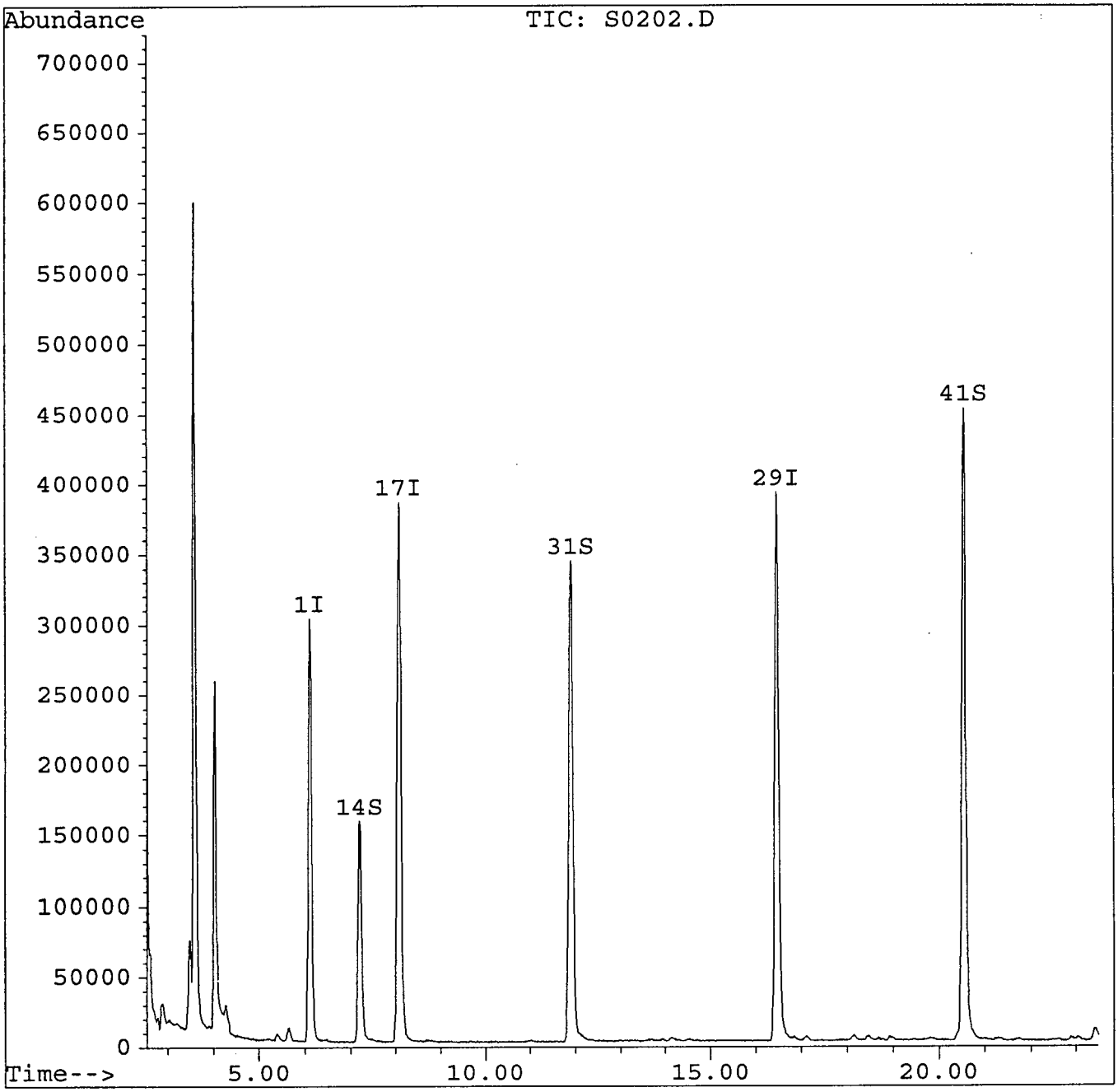
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0202.D
Acq Time : 2 Sep 94 11:42 am
Sample : VBLK01 5.361g/5ml
Misc :
Quant Time: Oct 19 7:18 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



0290

1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.153 (g/mL) g Lab File ID: S0404

Level: (low/med) Low Date Received: _____

% Moisture: not dec. 0 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

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

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	5.6	
67-64-1	Acetone	6.3	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	13.1	
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK02

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: VBLK02

Sample wt/vol: 5.153 (g/mL) g Lab File ID: S0404

Level: (low/med) LOW Date Received:

% Moisture: not dec. 0 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	00012-43-7	BORIC ACID ,TRIMETHYL ESTER	2.91	7.2	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0404.D
Acq Time : 4 Sep 94 12:04 pm
Sample : VBLK02 5.153g/5ml
Misc :
Quant Time: Oct 19 7:37 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.17	130	230084	50.00 ug/L	-0.02
17) 1,4-Difluorobenzene	8.13	114	848755	50.00 ug/L	-0.01
29) Chlorobenzene-d5	16.48	117	670575	50.00 ug/L	-0.02
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.25	65	250219	53.05 ug/L	106.09%
31) Toluene-d8	11.93	98	763211	49.92 ug/L	99.83%
41) Bromofluorobenzene	20.55	95	563119	48.21 ug/L	96.43%
Target Compounds					Qvalue
7) Acetone	3.62	43	43196	6.54 ug/L m	99
9) Methylene Chloride	4.07	84	96559	5.82 ug/L m	97
16) 2-Butanone	5.45	43	31563	13.53 ug/L m	100

0293

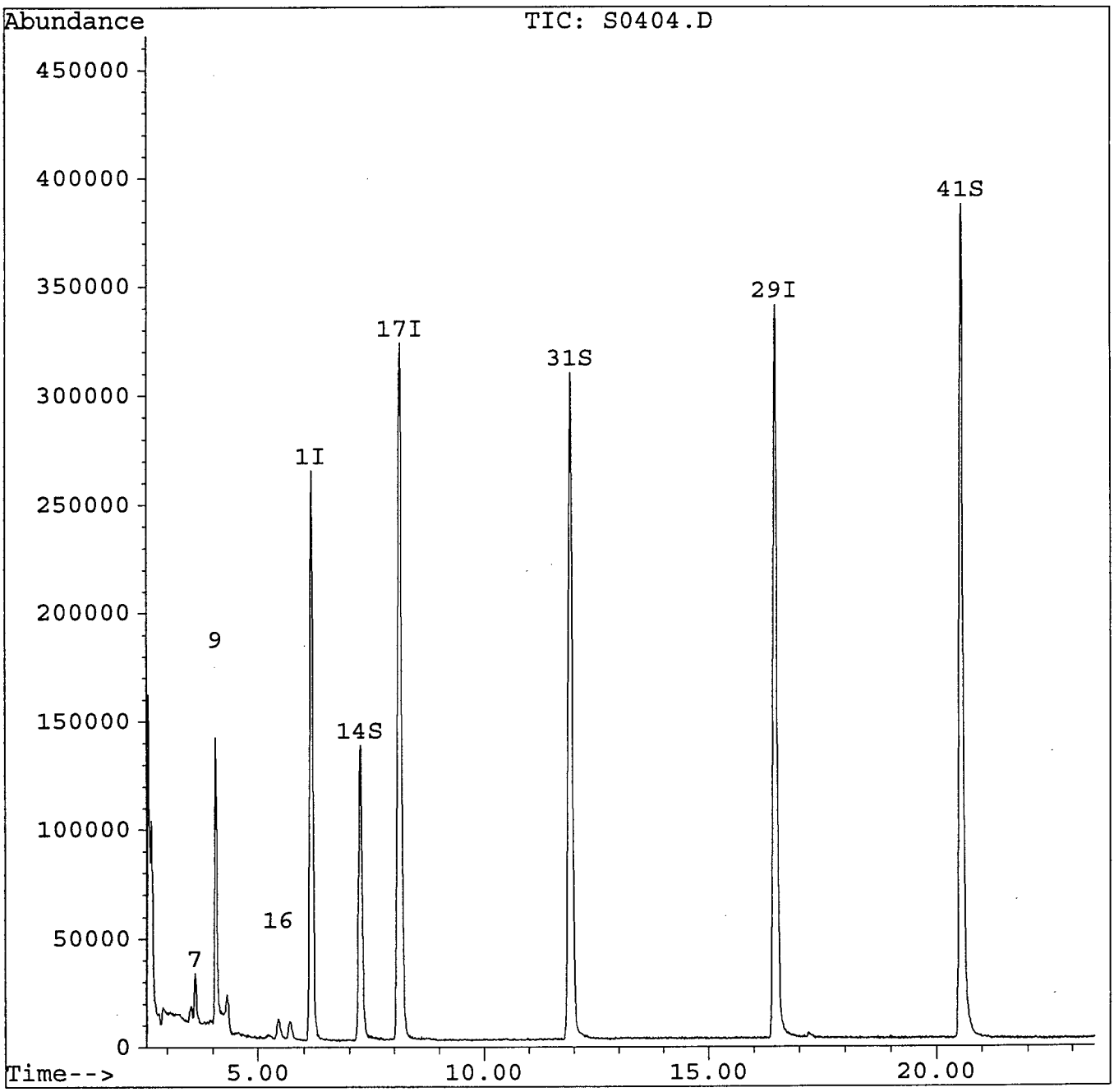
(#) = qualifier out of range (m) = manual integration

Quantitation Report

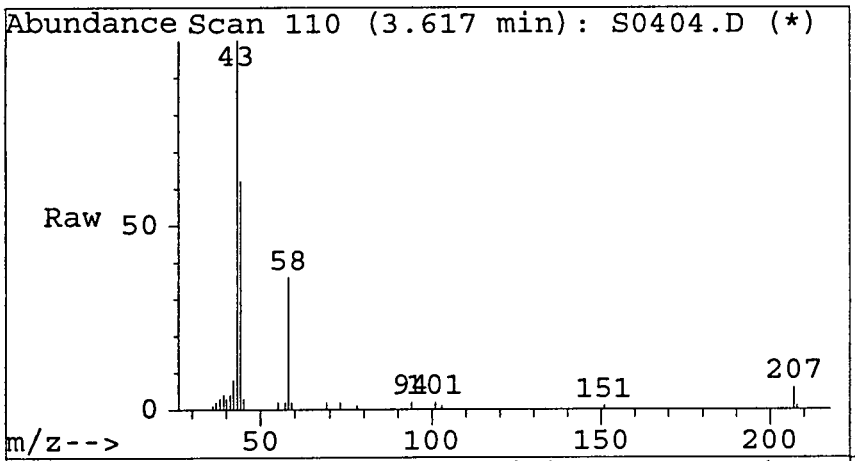
Data File : C:\HPCHEM\1\DATA\S0404.D
Acq Time : 4 Sep 94 12:04 pm
Sample : VBLK02 5.153g/5ml
Misc :
Quant Time: Oct 19 7:37 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sat Oct 15 11:59:56 1994
Response via : Single Level Calibration



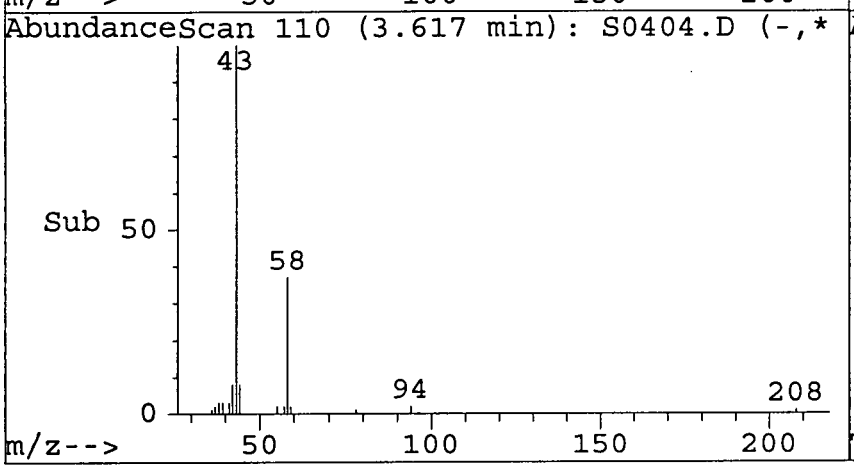
0294

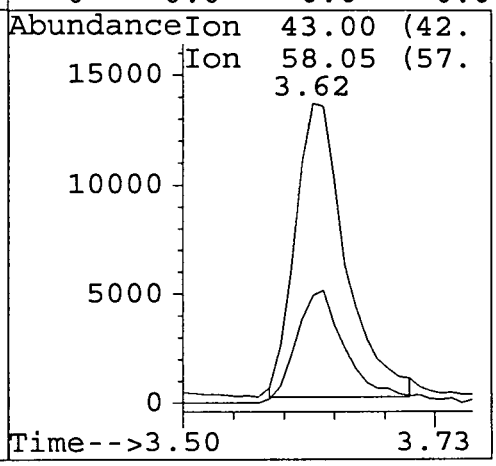


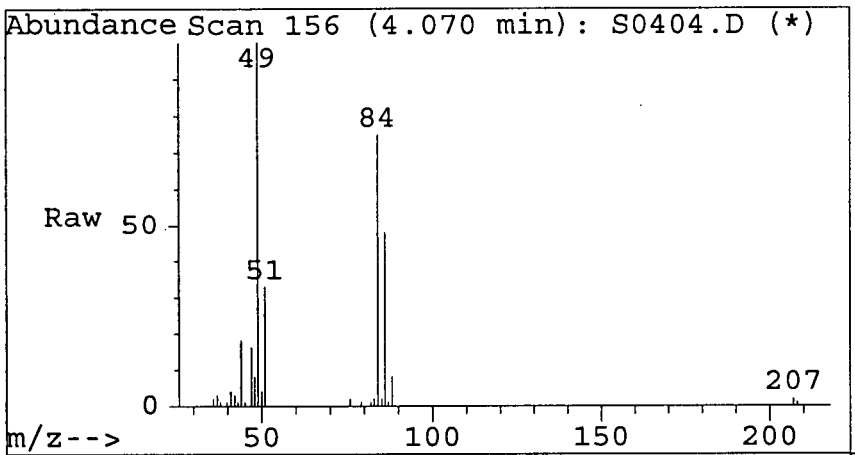
#7
Acetone
Concen: 6.54 ug/L m
RT: 3.62 min Scan# 110
Delta R.T. -0.01 min
Lab File: S0404.D
Acq: 4 Sep 94 12:04 pm

Tgt Ion:43 Resp: 43196

Ion	Ratio	Lower	Upper
43	100		
58	35.9	30.3	45.5
0	0.0	0.0	0.0
0	0.0	0.0	0.0



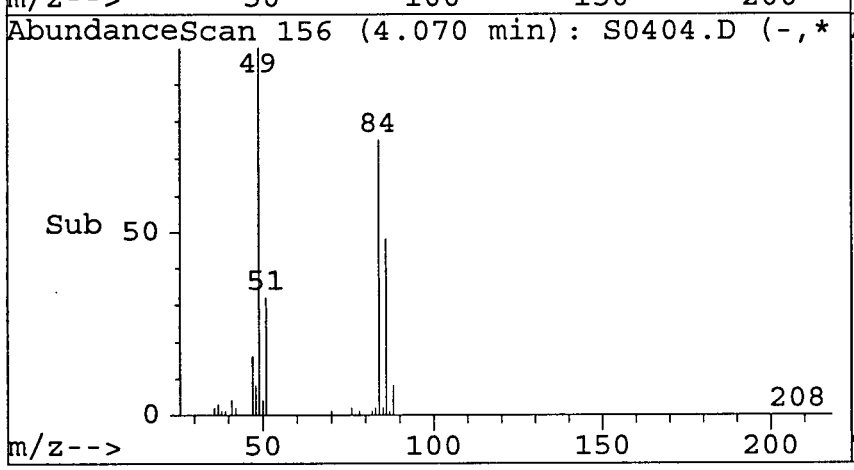


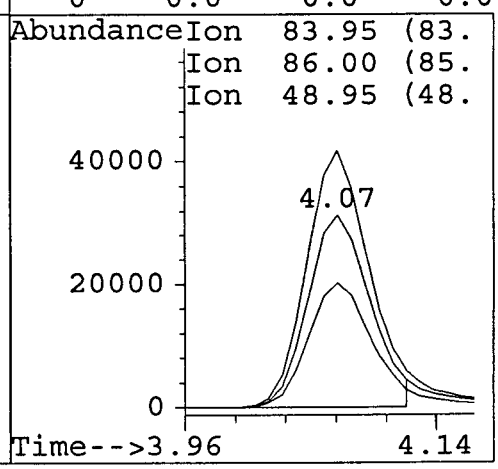


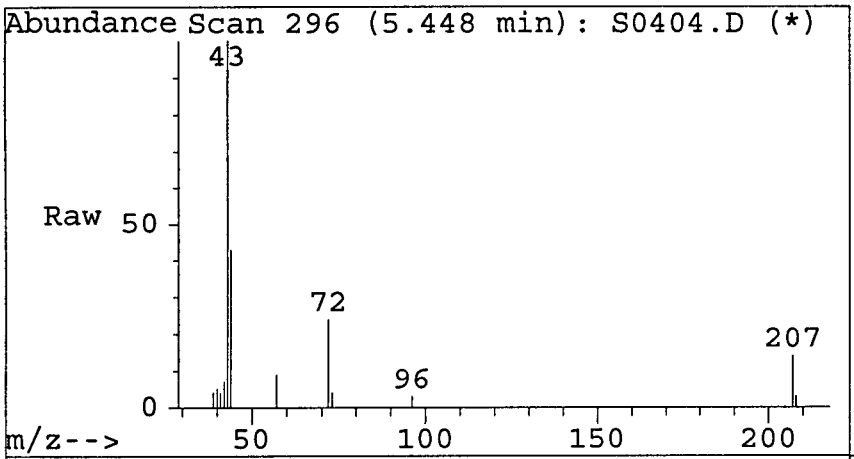
#9
Methylene Chloride
Concen: 5.82 ug/L m
RT: 4.07 min Scan# 156
Delta R.T. -0.01 min
Lab File: S0404.D
Acq: 4 Sep 94 12:04 pm

Tgt Ion:83.95 Resp: 96559

Ion	Ratio	Lower	Upper
84	100		
86	64.3	53.5	80.3
49	132.9	108.9	163.3
0	0.0	0.0	0.0



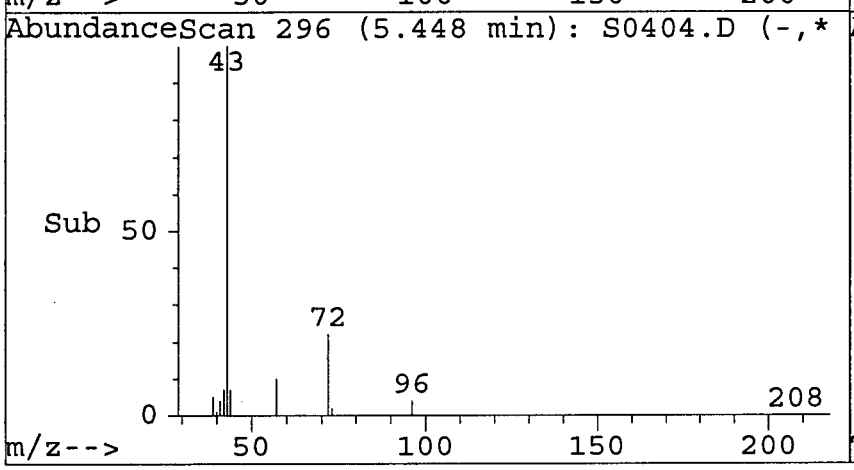


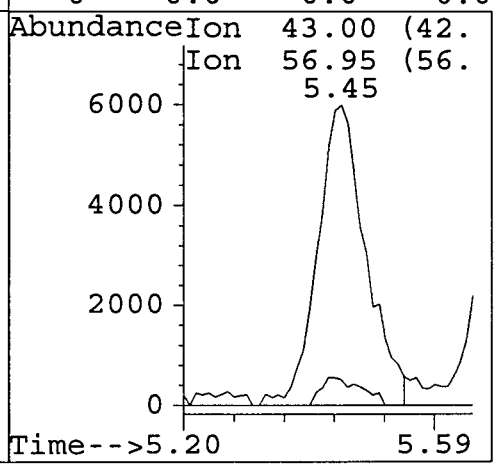


#16
2-Butanone
Concen: 13.53 ug/L m
RT: 5.45 min Scan# 296
Delta R.T. -0.00 min
Lab File: S0404.D
Acq: 4 Sep 94 12:04 pm

Tgt Ion:43 Resp: 31563

Ion	Ratio	Lower	Upper
43	100		
57	8.7	0.0	0.0#
0	0.0	0.0	0.0
0	0.0	0.0	0.0





0296

Area Percent Report

Data File : C:\HPCHEM\1\DATA\S0404.D
Acq Time : 4 Sep 94 12:04 pm
Sample : VBLK02 5.153g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST

Signal : TIC
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.2

Filtering: 5
Min Area: 10000 Area counts
Max Peaks: 25
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	raw area	corr. area	corr. % max.	% of total
1	2.583	3	5	10	rBV	134423	594013	354156	15.37%	2.993%
2	2.908	33	38	95	rBV	7879	475337	187632	8.14%	1.586%
3	3.518	95	100	105	rVV	10230	103032	47231	2.05%	0.399%
4	3.617	106	110	149	rVV	26069	439863	164787	7.15%	1.393%
5	4.070	149	156	176	rVV	135767	665552	528573	22.93%	4.468%
6	4.316	176	181	213	rVB	18898	336507	103118	4.47%	0.872%
7	5.448	287	296	313	rBV	9296	126140	52842	2.29%	0.447%
8	5.694	313	321	341	rVB	8161	125462	47587	2.06%	0.402%
9	6.167	357	369	399	rBV	262700	1374782	1272209	55.20%	10.753%
10	7.250	466	479	499	rBV	135723	827773	746615	32.39%	6.311%
11	8.126	554	568	599	rBV	320446	2073583	1950720	84.63%	16.488%
12	11.927	938	954	987	rBV	307052	2106987	1979746	85.89%	16.733%
13	16.476	1401	1416	1477	rBV	337655	2275632	2075387	90.04%	17.542%
14	17.204	1487	1490	1504	rVB	2888	69164	15600	0.68%	0.132%
15	20.552	1812	1830	1878	rBV	384363	2485785	2304925	100.00%	19.482%

Sum of corrected areas: 11831128

S0404.D VOC06.M Wed Oct 19 11:36:18 1994

Library Search Compound Report

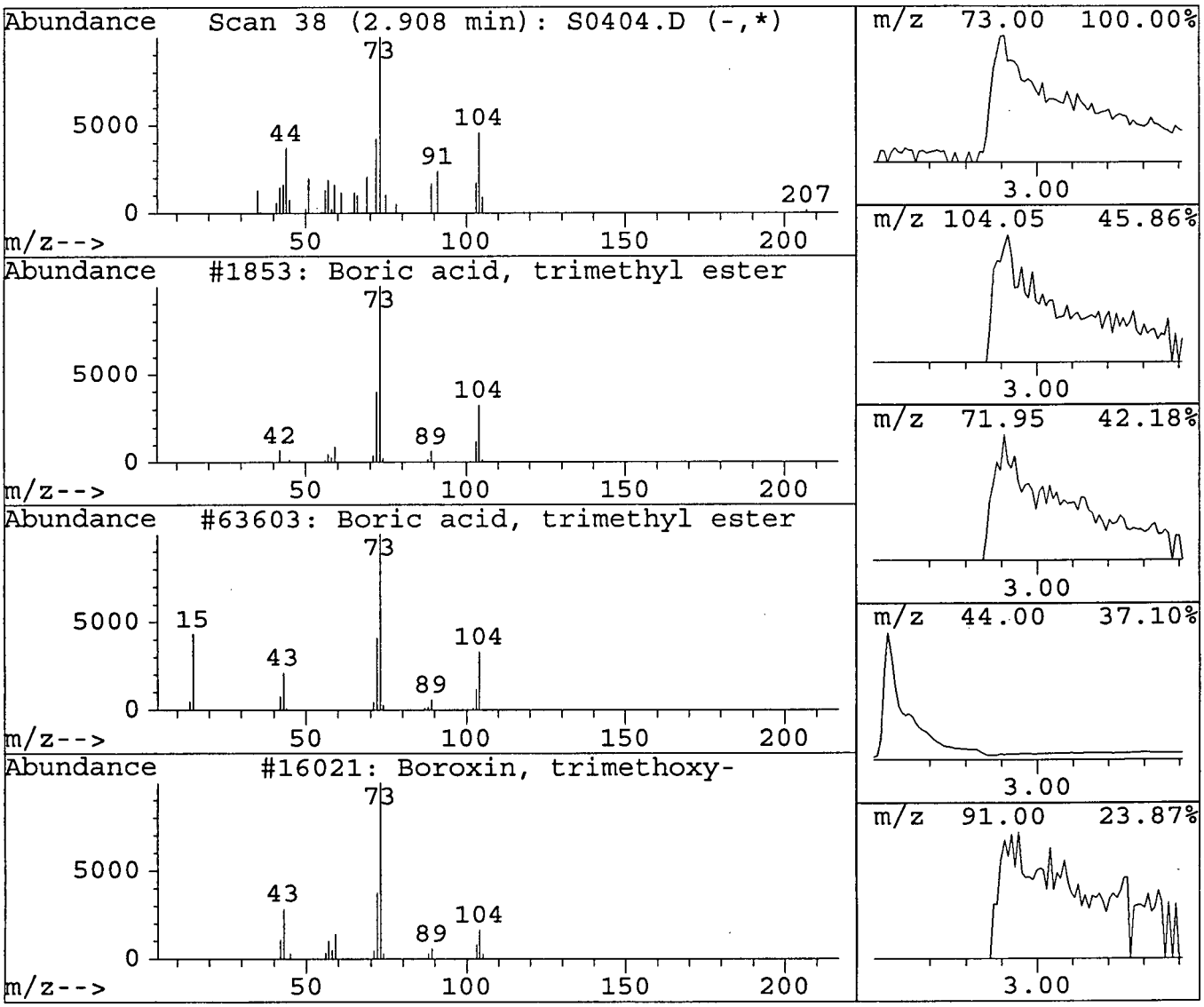
Data File : C:\HPCHEM\1\DATA\S0404.D
Acq Time : 4 Sep 94 12:04 pm
Sample : VBLK02 5.153g/5ml
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
2.91	7.37 ug/L	187632	Bromochloromethane	6.17

Hit# of 4	Tentative ID	Ref#	CAS#	Qual
1	Boric acid, trimethyl ester	1853	000121-43-7	53
2	Boric acid, trimethyl ester	63603	000121-43-7	47
3	Boroxin, trimethoxy-	16021	000102-24-9	36
4	Tartaric acid, diethyl ester	24185	000087-91-2	12



1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK03

Lab Name: New england Testing Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0702

Level: (low/med) Low Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

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

CAS NO.	COMPOUND	ug/L	Q
74-87-3	Chloromethane	1.0	U
74-83-9	Bromomethane	1.0	U
75-01-4	Vinyl Chloride	1.0	U
75-00-3	Chloroethane	1.0	U
75-09-2	Methylene Chloride	1.5	
67-64-1	Acetone	1.3	
75-15-0	Carbon Disulfide	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
540-59-0	1,2-Dichloroethene (total)	1.0	U
67-66-3	Chloroform	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
78-93-3	2-Butanone	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
75-27-4	Bromodichloromethane	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
79-01-6	Trichloroethene	1.0	U
124-48-1	Dibromochloromethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
71-43-2	Benzene	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U
591-78-6	2-Hexanone	1.0	U
127-18-4	Tetrachloroethene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-88-3	Toluene	1.0	U
108-90-7	Chlorobenzene	1.0	U
100-41-4	Ethylbenzene	1.0	U
100-42-5	Styrene	1.0	U
1330-20-7	Xylene (total)	1.0	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK03

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: VBLK03

Sample wt/vol: 25 (g/mL) ml Lab File ID: S0702

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 09/07/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 00110-54-3	HEXANE	4.42	4.4	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0702.D
Acq Time : 7 Sep 94 7:49 am
Sample : VBLK03
Misc :
Quant Time: Oct 24 14:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:12:44 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.34	130	28943	5.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.30	114	239105	5.00 ug/L	0.00
29) Chlorobenzene-d5	16.67	117	169838	5.00 ug/L	-0.03
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.42	65	29098	5.27 ug/L	105.46%
31) Toluene-d8	12.13	98	204632	4.73 ug/L	94.64%
41) Bromofluorobenzene	20.73	95	114694	4.51 ug/L	90.17%
Target Compounds					Qvalue
7) Acetone	3.72	43	9266	1.27 ug/L #	37
9) Methylene Chloride	4.18	84	143685	1.53 ug/L	90

0301

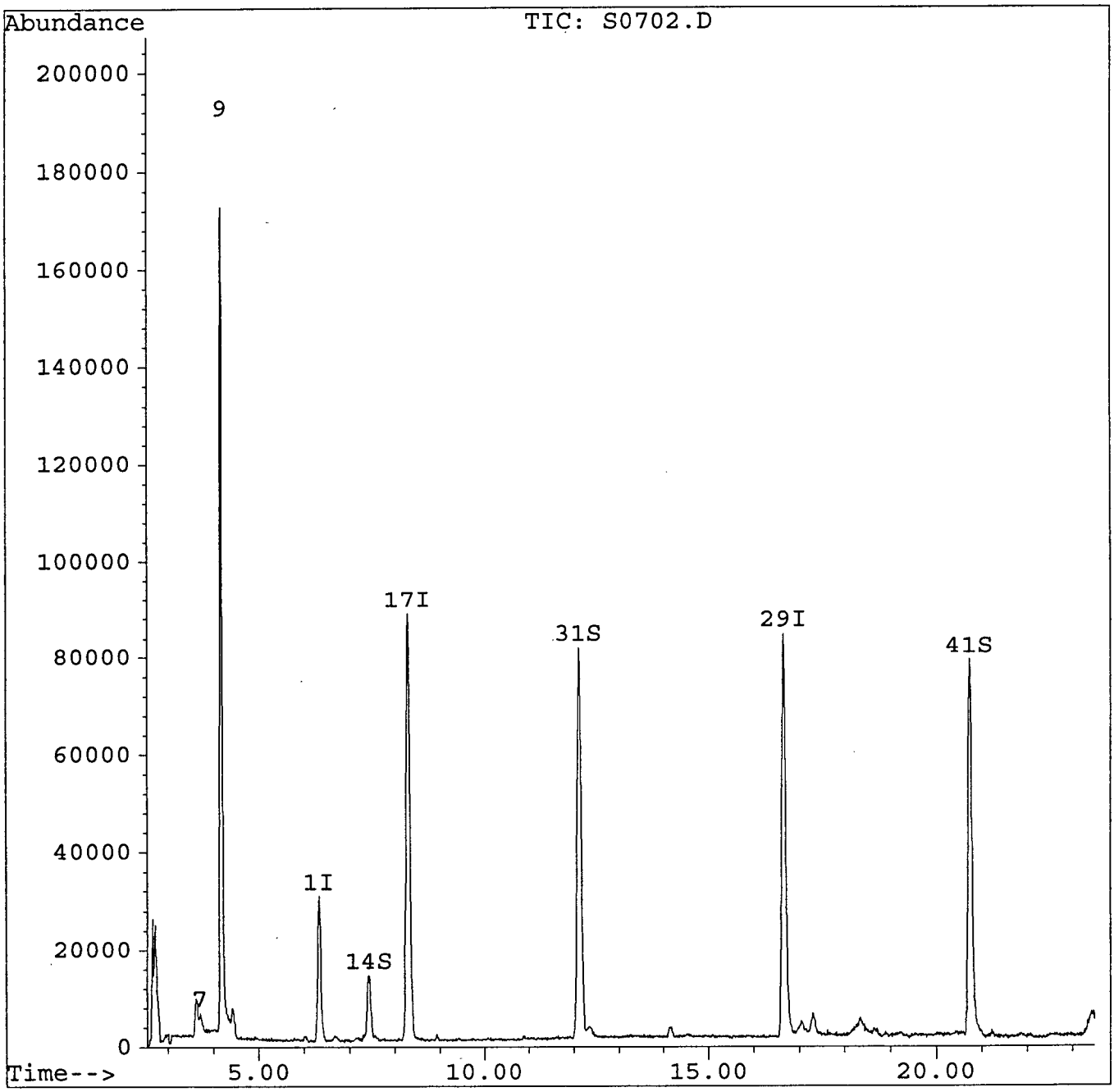
(#) = qualifier out of range (m) = manual integration

Quantitation Report

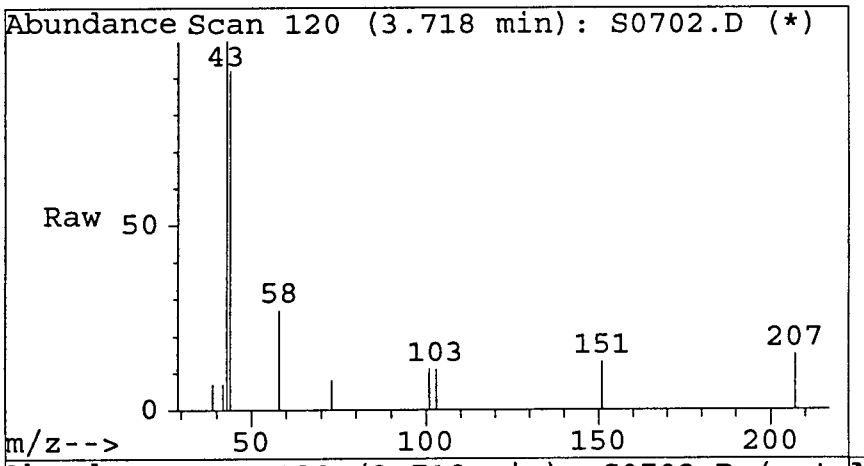
Data File : C:\HPCHEM\1\DATA\S0702.D
Acq Time : 7 Sep 94 7:49 am
Sample : VBLK03
Misc :
Quant Time: Oct 24 14:13 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Last Update : Mon Oct 24 14:12:44 1994
Response via : Single Level Calibration



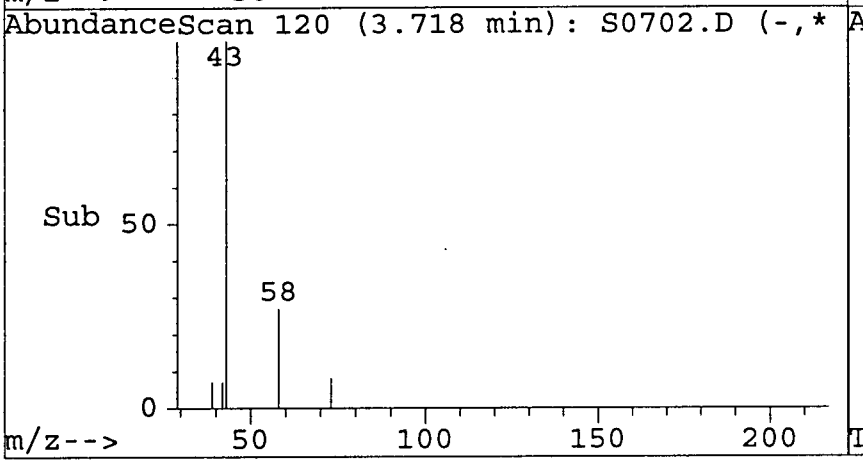
0302

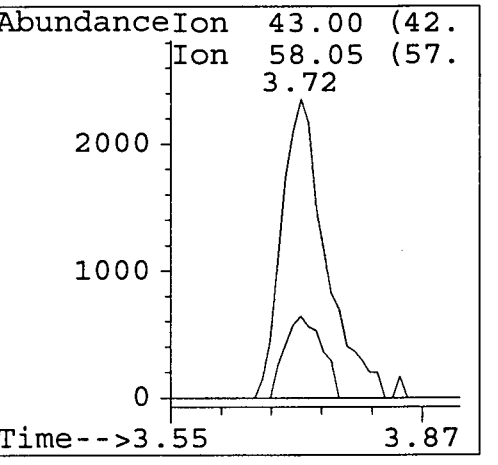


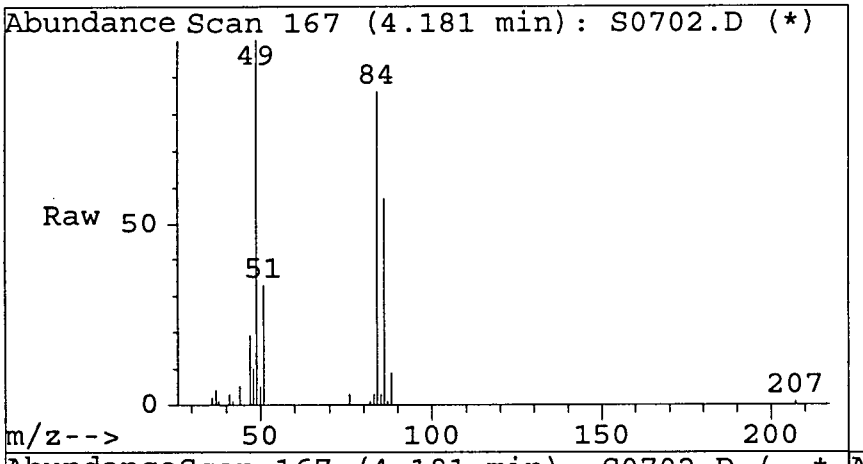
#7
Acetone
Concen: 1.27 ug/L
RT: 3.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: S0702.D
Acq: 7 Sep 94 7:49 am

Tgt Ion:43 Resp: 9266

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.3	45.5#
0	0.0	0.0	0.0
0	0.0	0.0	0.0



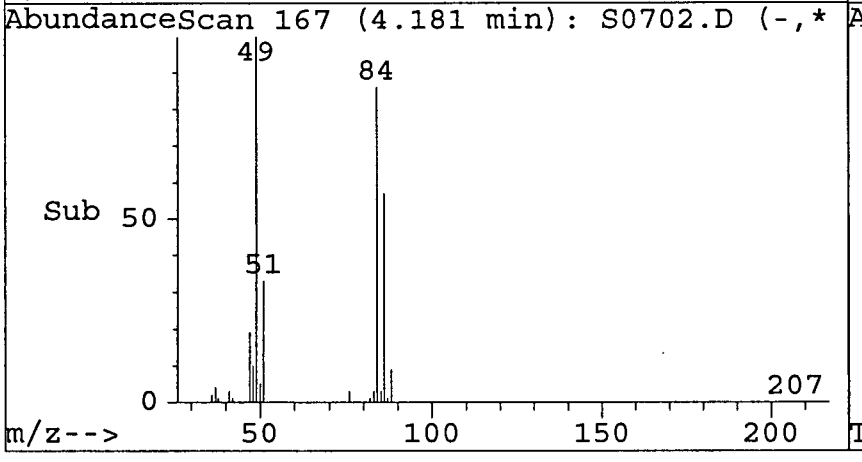


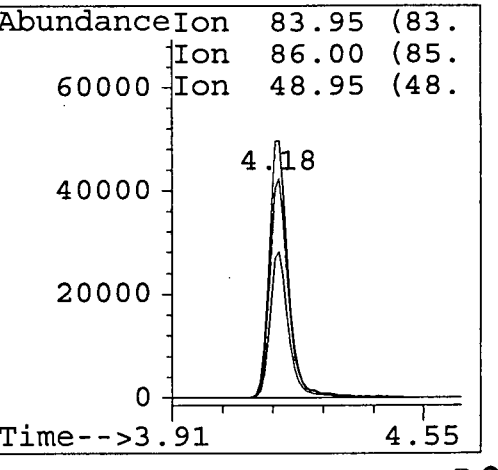


#9
Methylene Chloride
Concen: 1.53 ug/L
RT: 4.18 min Scan# 167
Delta R.T. 0.00 min
Lab File: S0702.D
Acq: 7 Sep 94 7:49 am

Tgt Ion:83.95 Resp: 143685

Ion	Ratio	Lower	Upper
84	100		
86	65.9	53.5	80.3
49	119.2	108.9	163.3
0	0.0	0.0	0.0





0303

Area Percent Report

Data File : C:\HPCHEM\1\DATA\S0702.D
Acq Time : 7 Sep 94 7:49 am
Sample : VBLK03
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST

Signal : TIC
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.2

Filtering: 5
Min Area: 10000 Area counts
Max Peaks: 25
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	raw area	corr. area	corr. % max.	% of total
1	2.665	3	13	16	rBV	26195	70005	66180	10.83%	1.951%
2	2.724	16	19	37	rVB	24267	211205	96974	15.87%	2.859%
3	3.216	52	69	78	rBV	1662	29977	19555	3.20%	0.576%
4	3.630	103	111	158	rBV	7979	132355	87549	14.33%	2.581%
5	4.181	158	167	188	rVV	171131	648540	610914	100.00%	18.010%
6	4.417	188	191	231	rVB	6554	118920	36716	6.01%	1.082%
7	4.919	239	242	309	rVB	884	61113	10248	1.68%	0.302%
8	6.327	376	385	411	rVB	29769	165675	145174	23.76%	4.280%
9	7.430	487	497	552	rVB	13440	140166	84889	13.90%	2.503%
10	8.297	571	585	623	rVB	87812	558818	527207	86.30%	15.542%
11	12.117	958	973	1068	rBV	80279	625406	546191	89.41%	16.102%
12	14.175	1172	1182	1319	rVB	2349	165651	48804	7.99%	1.439%
13	15.671	1319	1334	1365	rBV	630	47213	10798	1.77%	0.318%
14	16.666	1421	1435	1463	rBV	82928	537445	506666	82.94%	14.937%
15	17.050	1463	1474	1492	rVV	2836	56486	22642	3.71%	0.667%
16	17.296	1492	1499	1531	rVB	4597	79174	31642	5.18%	0.933%
17	18.202	1531	1591	1593	rBV	1744	84271	13780	2.26%	0.406%
18	18.350	1601	1606	1631	rVB	3407	70580	24279	3.97%	0.716%
19	19.531	1717	1726	1752	rVB	921	38729	11694	1.91%	0.345%
20	20.742	1837	1849	1893	rVB	77353	525134	477544	78.17%	14.078%
21	22.603	2020	2038	2066	rBV	883	49658	12631	2.07%	0.372%

Sum of corrected areas: 3392077

S0702.D VOC05.M Tue Oct 25 11:34:17 1994

Library Search Compound Report

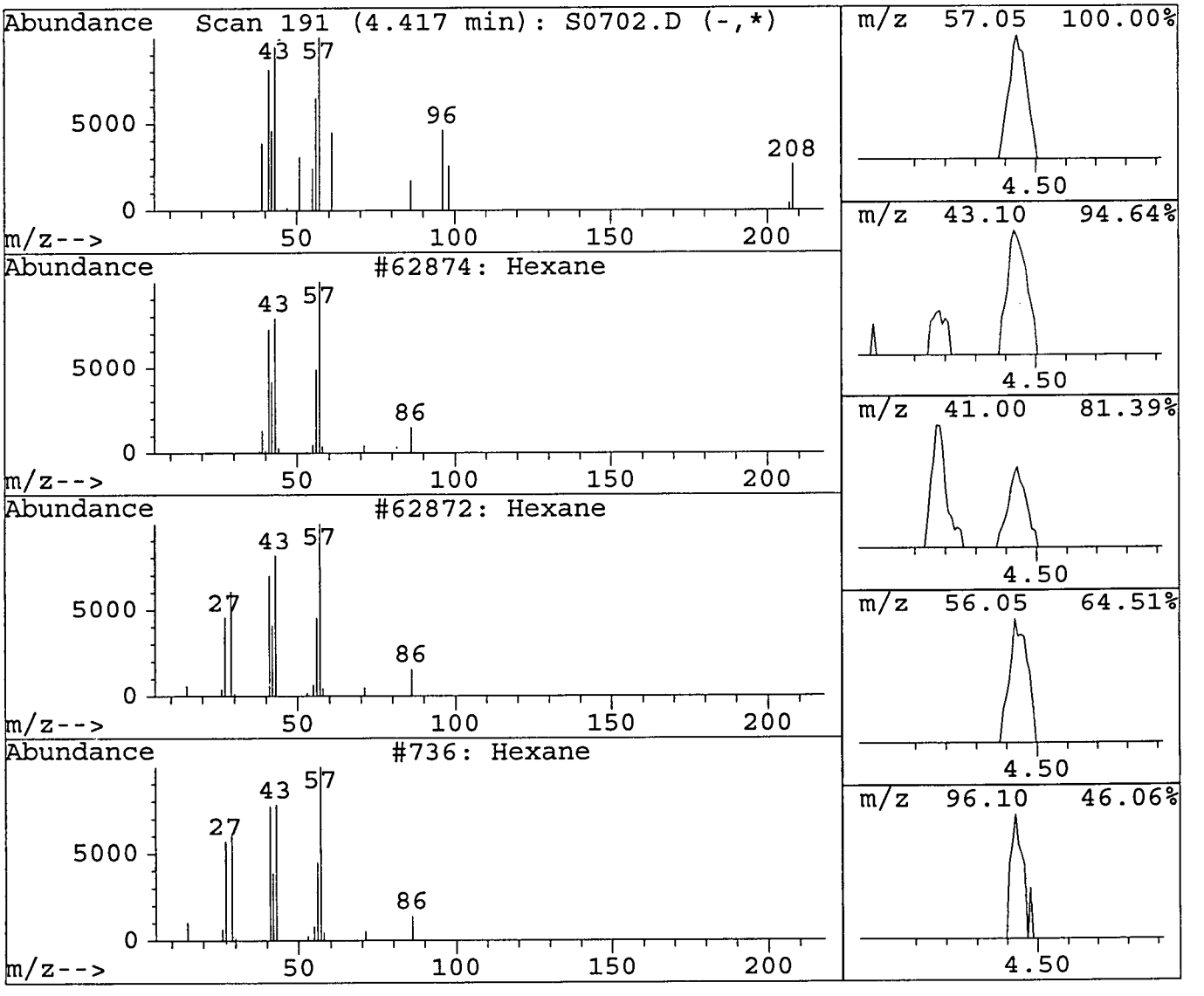
Data File : C:\HPCHEM\1\DATA\S0702.D
Acq Time : 7 Sep 94 7:49 am
Sample : VBLK03
Misc :

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC05.M
Title : CLP WATER FULL LIST
Library : C:\DATABASE\NBS75K.L

R.T.	Conc	Area	Relative to ISTD	R.T.
4.42	1.12 ug/L	32044	Bromochloromethane	6.34

Hit# of 6	Tentative ID	Ref#	CAS#	Qual
1	Hexane	62874	000110-54-3	25
2	Hexane	62872	000110-54-3	25
3	Hexane	736	000110-54-3	25
4	Hexane	62873	000110-54-3	22
5	2-Heptene	1337	000592-77-8	16



1A

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08 MS

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08 MS

Sample wt/vol: 5.246 (g/mL) g Lab File ID: S0408

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 25 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

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

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	19	B
67-64-1	Acetone	10	B
75-15-0	Carbon Disulfide	2.5	
75-35-4	1,1-Dichloroethene	33	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	9.7	
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	28	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	31	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	30	
108-90-7	Chlorobenzene	31	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0408.D
Acq Time : 4 Sep 94 1:57 pm
Sample : SL-08 5.246g/5ml MS
Misc :
Quant Time: Sep 4 14:24 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sun Sep 04 12:55:09 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.19	130	173395	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.14	114	705827	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.49	117	550135	50.00 ug/L	-0.01
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.26	65	180170	50.68 ug/L	101.37%
31) Toluene-d8	11.95	98	628166	50.08 ug/L	100.16%
41) Bromofluorobenzene	20.55	95	458724	47.87 ug/L	95.75%
Target Compounds					Qvalue
6) 1,1-Dichloroethene	3.68	96	69468	25.80 ug/L m	95
7) Acetone	3.63	43	39444	7.93 ug/L m	96
8) Carbon Disulfide	4.07	76	15089	1.96 ug/L m	73
9) Methylene Chloride	4.08	84	187865	15.02 ug/L m	97
16) 2-Butanone	5.46	43	13492	7.67 ug/L m	100
20) Benzene	7.41	78	243171	24.09 ug/L m	94
21) Trichloroethene	8.76	130	99908	21.95 ug/L	96
32) Toluene	12.16	91	263976	23.44 ug/L m	97
35) Chlorobenzene	16.60	112	199788	24.04 ug/L m	99

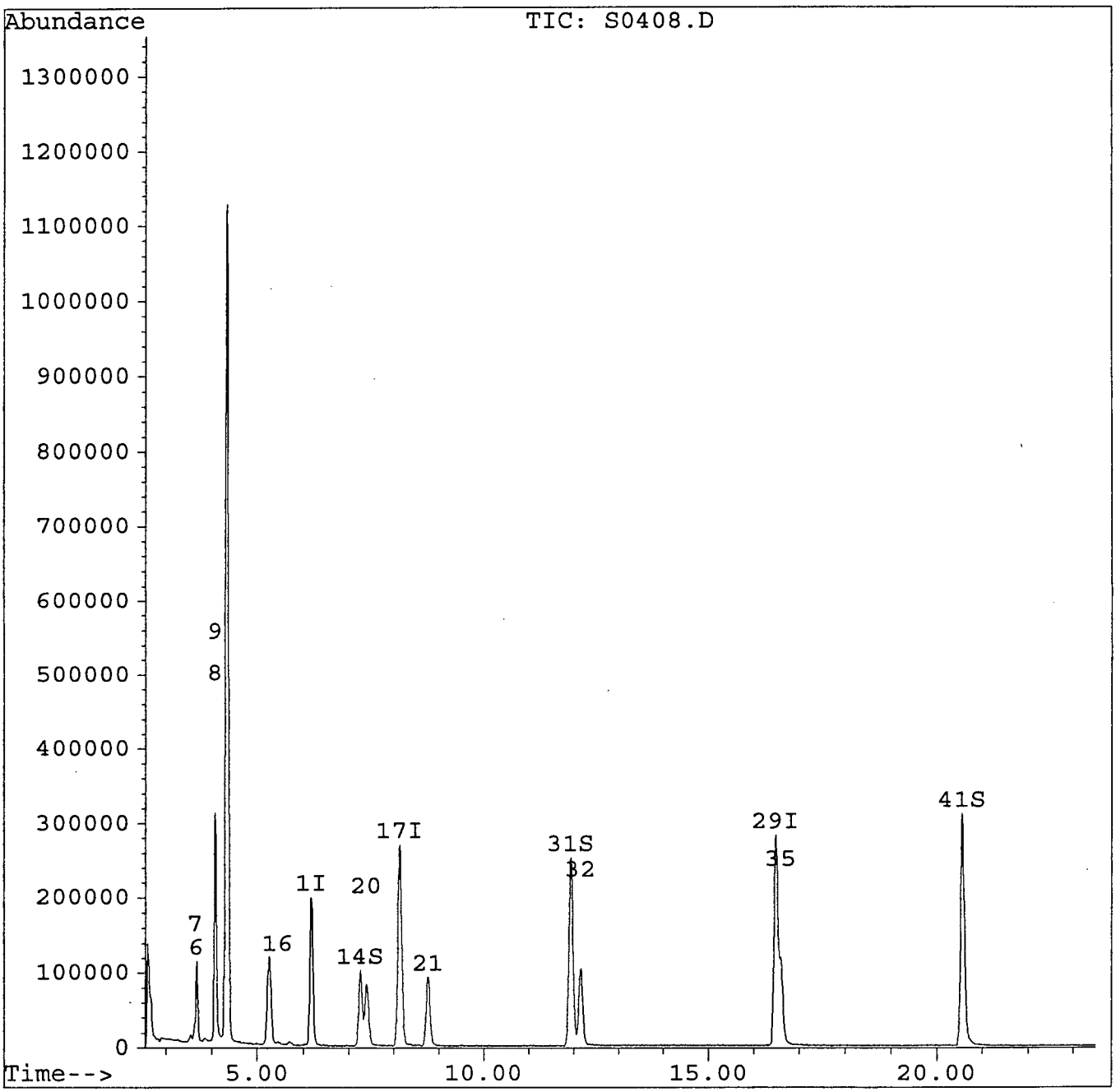
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0408.D
Acq Time : 4 Sep 94 1:57 pm
Sample : SL-08 5.246g/5ml MS
Misc :
Quant Time: Sep 4 14:24 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Sun Sep 04 12:55:09 1994
Response via : Single Level Calibration



1A
VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08 MSD

Lab Name: NEW ENGLAND TESTING Contract: G & H RD/RA

Lab Code: RI010 Case No.: E0831-02 SAS No.: _____ SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08 MSD

Sample wt/vol: 5.301 (g/mL) g Lab File ID: S0409

Level: (low/med) Low Date Received: 08/31/94

% Moisture: not dec. 22 Date Analyzed: 09/04/94

GC Column: VOCOL ID: 0.75 (mm) Dilution Factor: 1X

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

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

CAS NO.	COMPOUND	ug/Kg	Q
74-87-3	Chloromethane	1.2	U
74-83-9	Bromomethane	1.2	U
75-01-4	Vinyl Chloride	1.2	U
75-00-3	Chloroethane	1.2	U
75-09-2	Methylene Chloride	14	B
67-64-1	Acetone	6.4	B
75-15-0	Carbon Disulfide	2.3	
75-35-4	1,1-Dichloroethene	33	
75-34-3	1,1-Dichloroethane	1.2	U
540-59-0	1,2-Dichloroethene (total)	1.2	U
67-66-3	Chloroform	1.2	U
107-06-2	1,2-Dichloroethane	1.2	U
78-93-3	2-Butanone	7.9	
71-55-6	1,1,1-Trichloroethane	1.2	U
56-23-5	Carbon Tetrachloride	1.2	U
75-27-4	Bromodichloromethane	1.2	U
78-87-5	1,2-Dichloropropane	1.2	U
10061-01-5	cis-1,3-Dichloropropene	1.2	U
79-01-6	Trichloroethene	29	
124-48-1	Dibromochloromethane	1.2	U
79-00-5	1,1,2-Trichloroethane	1.2	U
71-43-2	Benzene	30	
10061-02-6	trans-1,3-Dichloropropene	1.2	U
75-25-2	Bromoform	1.2	U
108-10-1	4-Methyl-2-Pentanone	1.2	U
591-78-6	2-Hexanone	1.2	U
127-18-4	Tetrachloroethene	1.2	U
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U
108-88-3	Toluene	31	
108-90-7	Chlorobenzene	31	
100-41-4	Ethylbenzene	1.2	U
100-42-5	Styrene	1.2	U
1330-20-7	Xylene (total)	1.2	U

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0409.D
Acq Time : 4 Sep 94 2:25 pm
Sample : SL-08 5.301g/5ml MSD
Misc :
Quant Time: Sep 6 8:40 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Tue Sep 06 07:43:26 1994
Response via : Single Level Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Bromochloromethane	6.19	130	205103	50.00 ug/L	0.00
17) 1,4-Difluorobenzene	8.14	114	838715	50.00 ug/L	0.00
29) Chlorobenzene-d5	16.49	117	654933	50.00 ug/L	0.00
System Monitoring Compounds					%Recovery
14) 1,2-Dichloroethane-d4	7.27	65	214443	51.00 ug/L	102.00%
31) Toluene-d8	11.94	98	811578	54.35 ug/L	108.69%
41) Bromofluorobenzene	20.56	95	593706	52.05 ug/L	104.09%
Target Compounds					Qvalue
6) 1,1-Dichloroethene	3.69	96	82234	25.82 ug/L	93
7) Acetone	3.63	43	29878	5.08 ug/L	95
8) Carbon Disulfide	4.08	76	17136	1.88 ug/L #	73
9) Methylene Chloride	4.09	84	163026	11.02 ug/L	96
16) 2-Butanone	5.27	43	13549	6.51 ug/L #	100
20) Benzene	7.41	78	285504	23.80 ug/L	95
21) Trichloroethene	8.76	130	120951	22.36 ug/L	96
32) Toluene	12.17	91	322711	24.07 ug/L	98
35) Chlorobenzene	16.61	112	240003	24.25 ug/L	99

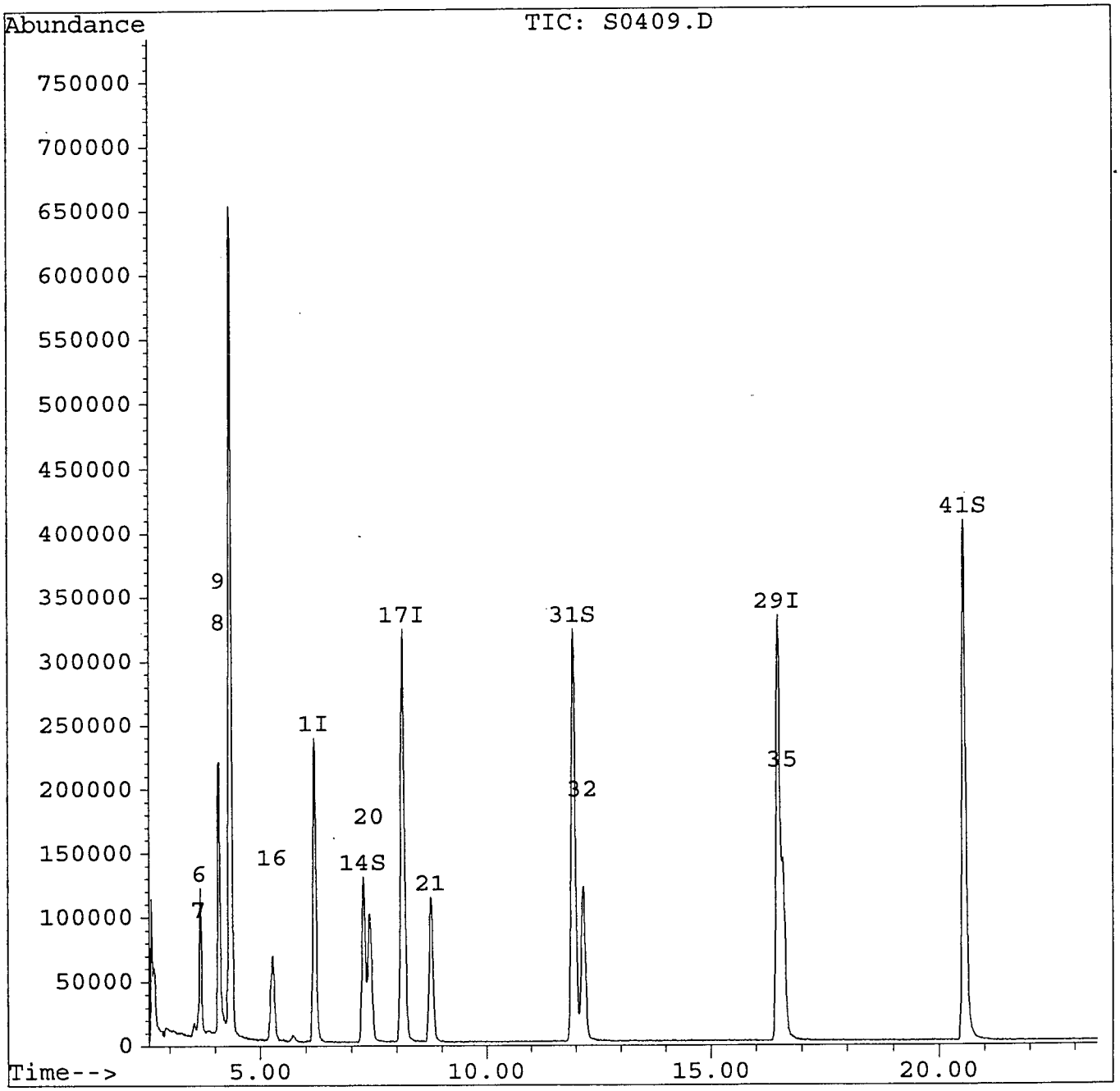
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\S0409.D
Acq Time : 4 Sep 94 2:25 pm
Sample : SL-08 5.301g/5ml MSD
Misc :
Quant Time: Sep 6 8:40 1994

Operator:
Inst : 5972 - In
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\VOC06.M
Title : CLP SOILS FULL LIST
Last Update : Tue Sep 06 07:43:26 1994
Response via : Single Level Calibration



SEMIVOLATILES DATA PACKAGE
QC SUMMARY

2C
WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL18-1

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	FIELD BLANK	80	72	112	41	60	73	64	61	0
02	SBLKW1	80	71	107	29	46	65	64	59	0
03										
04										
05										
06										
07										
08										
09										
10										
11										
12										
13										
14										
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28										
29										
30										

	QC LIMITS	
S1 (NBZ) = Nitrobenzene-d5	(35-114)	
S2 (FBP) = 2-Fluorobiphenyl	(43-116)	
S3 (TPH) = Terphenyl-d14	(33-141)	
S4 (PHL) = Phenol-d5	(10-110)	
S5 (2FP) = 2-Fluorophenol	(21-110)	
S6 (TBP) = 2,4,6-Tribromophenol	(10-123)	
S7 (2CP) = 2-Chlorophenol-d4	(33-110)	(advisory)
S8 (DCB) = 1,2-Dichlorobenzene-d4	(16-110)	(advisory)

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

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL18-1

Level: (low/med) LOW

	EPA SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (TPH) #	S4 (PHL) #	S5 (2FP) #	S6 (TBP) #	S7 (2CP) #	S8 (DCB) #	TOT OUT
01	SBLKS1	72	74	91	67	63	58	60	62	0
02	SL-01	76	75	111					64	0
03	SL-03	73	70	119					61	0
04	SL-04	83	79	111	71	73	87	67	66	0
05	SL-05	75	68	89					61	0
06	SL-6/7	76	74	88	67	65	72	63	64	0
07	SL-08	81	80	108	70	70	85	66	66	0
08	SL-08 MS	81	77	129	74	72	83	68	67	0
09	SL-08 MSD	76	77	142 *	74	73	85	68	65	1
10	SL-10/11	74	69	98					64	0
11	SL-12	81	79	137					67	0
12	SL-12B	61	59	77					60	0
13	SL-13	84	75	140 *					72	1
14	SL-14	88	78	174 *					72	1
15	SL-15	77	90	134					64	0
16	SL-25	86	81	125					71	0
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

	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

SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: New England Testing Lab Contract: G&HRIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix Spike - EPA Sample No.: SL-08 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Phenol	2022	0	1380	68	26- 90
2-Chlorophenol	2022	0	1339	66	25-102
1,4-Dichlorobenzene	1348	0	1024	76	28-104
N-Nitroso-di-n-prop.(1)	1348	0	1085	80	41-126
1,2,4-Trichlorobenzene	1348	0	999	74	38-107
4-Chloro-3-methylphenol	2022	0	1447	72	26-103
Acenaphthene	1348	0	973	72	31-137
4-Nitrophenol	2022	0	1816	90	11-114
2,4-Dinitrotoluene	1348	0	1104	82	28- 89
Pentachlorophenol	2022	55	2064	99	17-109
Pyrene	1348	99	1496	104	35-142

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	2024	1423	70	3	35	26- 90
2-Chlorophenol	2024	1410	70	6	50	25-102
1,4-Dichlorobenzene	1349	1059	78	3	27	28-104
N-Nitroso-di-n-prop.(1)	1349	1071	79	1	38	41-126
1,2,4-Trichlorobenzene	1349	1028	76	3	23	38-107
4-Chloro-3-methylphenol	2024	1483	73	1	33	26-103
Acenaphthene	1349	1009	75	4	19	31-137
4-Nitrophenol	2024	1852	91	1	50	11-114
2,4-Dinitrotoluene	1349	1152	85	4	47	28- 89
Pentachlorophenol	2024	2128	102	3	47	17-109
Pyrene	1349	1715	120	14	36	35-142

(1) N-Nitroso-di-n-propylamine

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

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 22 outside limits

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKW1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0309 Lab Sample ID: SBLKW1

Instrument ID: MACH 2 Date Extracted: 09/01/94

Matrix: (soil/water) WATER Date Analyzed: 09/05/94

Level: (low/med) LOW Time Analyzed: 2020

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	FIELD BLANK	FIELD BLANK	>U0307	09/05/94
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				

COMMENTS:

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLKS1

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G&H RIFS

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0308 Lab Sample ID: SBLKS1

Instrument ID: MACH 2 Date Extracted: 09/01/94

Matrix: (soil/water) SOIL Date Analyzed: 09/05/94

Level: (low/med) LOW Time Analyzed: 1907

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	SL-01	SL-01	>U0318	09/06/94
02	SL-03	SL-03	>U0804	09/08/94
03	SL-04	SL-04	>U0310	09/05/94
04	SL-05	SL-05	>U0903	09/06/94
05	SL-6/7	SL-6/7	>U0314	09/06/94
06	SL-08	SL-08	>U0315	09/06/94
07	SL-08 MS	SL-08 MS	>U0316	09/06/94
08	SL-08 MSD	SL-08 MSD	>U0317	09/06/94
09	SL-10/11	SL-10/11	>U0904	09/06/94
10	SL-12	SL-12	>U0322	09/06/94
11	SL-12B	SL-12B	>U1302	09/13/94
12	SL-13	SL-13	>U0805	09/08/94
13	SL-14	SL-14	>U0806	09/08/94
14	SL-15	SL-15	>U0802	09/08/94
15	SL-25	SL-25	>U0803	09/08/94
16				
17				
18				
19				
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21				
22				
23				
24				
25				
26				
27				
28				
29				

COMMENTS:

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0301 DFTPP Injection Date: 09/05/94

Instrument ID: MACH 2 DFTPP Injection Time: 1124

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
51	30.0 - 80.0% of mass 198	47.4		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	59.2		
70	Less than 2.0% of mass 69	0.0	(0.0	)1
127	25.0 - 75.0% of mass 198	43.1		
197	Less than 1.0% of mass 198	0.0		
198	Base Peak, 100% relative abundance	100.0		
199	5.0 to 9.0% of mass 198	6.8		
275	10.0 - 30.0% of mass 198	20.5		
365	Greater than 0.75% of mass 198	1.7		
441	Present, but less than mass 443	8.7		
442	40.0 - 110.0% of mass 198	60.4		
443	15.0 - 24.0% of mass 442	11.3	(18.7	)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U0302	09/05/94	1150
02	SSTD20	SSTD20	>U0303	09/05/94	1303
03	SSTD80	SSTD80	>U0304	09/05/94	1416
04	SSTD120	SSTD120	>U0305	09/05/94	1528
05	SSTD180	SSTD180	>U0306	09/05/94	1641
06	FIELD BLANK	FIELD BLANK	>U0307	09/05/94	1754
07	SBLKS1	SBLKS1	>U0308	09/05/94	1907
08	SBLKW1	SBLKW1	>U0309	09/05/94	2020
09	SL-04	SL-04	>U0310	09/05/94	2133
10					
11					
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13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0312 DFTPP Injection Date: 09/05/94

Instrument ID: MACH 2 DFTPP Injection Time: 2307

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
51	30.0 - 80.0% of mass 198	44.9		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	57.0		
70	Less than 2.0% of mass 69	0.0	(0.0	)1
127	25.0 - 75.0% of mass 198	41.5		
197	Less than 1.0% of mass 198	0.0		
198	Base Peak, 100% relative abundance	100.0		
199	5.0 to 9.0% of mass 198	6.8		
275	10.0 - 30.0% of mass 198	19.6		
365	Greater than 0.75% of mass 198	1.6		
441	Present, but less than mass 443	8.3		
442	40.0 - 110.0% of mass 198	57.7		
443	15.0 - 24.0% of mass 442	10.9	(18.9	)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U0313	09/05/94	2333
02	SL-6/7	SL-6/7	>U0314	09/06/94	0046
03	SL-08	SL-08	>U0315	09/06/94	0159
04	SL-08 MS	SL-08 MS	>U0316	09/06/94	0312
05	SL-08 MSD	SL-08 MSD	>U0317	09/06/94	0424
06	SL-01	SL-01	>U0318	09/06/94	0537
07	SL-12	SL-12	>U0322	09/06/94	1048
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0800 DFTPP Injection Date: 09/08/94

Instrument ID: MACH 2 DFTPP Injection Time: 1248

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	39.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	47.5
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	25.0 - 75.0% of mass 198	35.8
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	21.6
365	Greater than 0.75% of mass 198	1.5
441	Present, but less than mass 443	9.2
442	40.0 - 110.0% of mass 198	65.0
443	15.0 - 24.0% of mass 442	12.3 (18.9)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U0801	09/08/94	1315
02	SL-15	SL-15	>U0802	09/08/94	1458
03	SL-25	SL-25	>U0803	09/08/94	1610
04	SL-03	SL-03	>U0804	09/08/94	1724
05	SL-13	SL-13	>U0805	09/08/94	1837
06	SL-14	SL-14	>U0806	09/08/94	1950
07	SL-04RE	SL-04RE	>U0807	09/08/94	2103
08	SL-08RE	SL-08RE	>U0808	09/08/94	2216
09	SL-01RE	SL-01RE	>U0809	09/08/94	2329
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U0900 DFTPP Injection Date: 09/09/94

Instrument ID: MACH 2 DFTPP Injection Time: 1623

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE		
51	30.0 - 80.0% of mass 198	41.7		
68	Less than 2.0% of mass 69	0.0	(0.0	)1
69	Mass 69 relative abundance	53.1		
70	Less than 2.0% of mass 69	0.3	(0.6	)1
127	25.0 - 75.0% of mass 198	37.1		
197	Less than 1.0% of mass 198	0.0		
198	Base Peak, 100% relative abundance	100.0		
199	5.0 to 9.0% of mass 198	6.5		
275	10.0 - 30.0% of mass 198	20.7		
365	Greater than 0.75% of mass 198	1.6		
441	Present, but less than mass 443	76.0		
442	40.0 - 110.0% of mass 198	61.9		
443	15.0 - 24.0% of mass 442	11.8	(19.1	)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U0901	09/09/94	1651
02	SL-03RE	SL-03RE	>U0902	09/09/94	1820
03	SL-05	SL-05	>U0903	09/09/94	1933
04	SL-10/11	SL-10/11	>U0904	09/09/94	2046
05	SL-12RE	SL-12RE	>U0905	09/09/94	2159
06	SL-13RE	SL-13RE	>U0906	09/09/94	2312
07	SL-14RE	SL-14RE	>U0907	09/10/94	0025
08	SL-15RE	SL-15RE	>U0908	09/10/94	0138
09	SL-25RE	SL-25RE	>U0909	09/10/94	0251
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: New England Testing Laboratory Contract: G&H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID: >U1300 DFTPP Injection Date: 09/13/94

Instrument ID: MACH 2 DFTPP Injection Time: 1656

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 80.0% of mass 198	52.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	67.2
70	Less than 2.0% of mass 69	0.1 (0.2)1
127	25.0 - 75.0% of mass 198	49.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 30.0% of mass 198	19.3
365	Greater than 0.75% of mass 198	1.7
441	Present, but less than mass 443	6.6
442	40.0 - 110.0% of mass 198	46.5
443	15.0 - 24.0% of mass 442	8.9 (19.0)2

1-Value is % mass 69 2-Value is % mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD50	SSTD50	>U1301	09/13/94	1723
02	SL-12B	SL-12B	>U1302	09/13/94	1927
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0302 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 1150

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	63498		11.74		251120		15.31		155680		20.15	
	UPPER LIMIT	126996		12.24		502240		15.81		311360		20.65	
	LOWER LIMIT	31749		11.24		125560		14.81		77840		19.65	
	EPA SAMPLE NO.												
01	FIELD BLANK	74448		11.73		285229		15.31		168450		20.16	
02	SBLKS1	58587		11.73		227723		15.30		137579		20.14	
03	SBLKW1	64425		11.72		249494		15.30		142667		20.14	
04	SL-04	61988		11.74		239108		15.32		137444		20.16	
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0302 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 1150

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	224404	24.23	126994	33.24	66563	45.02
	UPPER LIMIT	448808	24.73	253988	33.74	133126	45.52
	LOWER LIMIT	112202	23.73	63497	32.74	33282	44.52
	EPA SAMPLE NO.						
01	FIELD BLANK	228507	24.23	87995	33.24	42050	45.06
02	SBLKS1	193265	24.22	108893	33.21	52238	44.98
03	SBLKW1	195426	24.22	83138	33.22	39647	45.02
04	SL-04	160145	24.24	50623 *	33.28	25838 *	45.18
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

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 of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0313 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 2333

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	67947		11.74		270018		15.32		175471		20.17	
	UPPER LIMIT	135894		12.24		540036		15.82		350942		20.67	
	LOWER LIMIT	33974		11.24		135009		14.82		87736		19.67	
	EPA SAMPLE NO.												
01	SL-6/7	57872		11.74		228642		15.32		146225		20.16	
02	SL-08	58625		11.74		226599		15.31		139342		20.16	
03	SL-08 MS	59012		11.74		238433		15.31		149617		20.16	
04	SL-08 MSD	52420		11.74		214011		15.32		132435		20.16	
05	SL-01	51875		11.74		205246		15.32		130248		20.16	
06	SL-12	63464		11.76		248657		15.34		153552		20.18	
07													
08													
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0313 Date Analyzed: 09/05/94

Instrument ID: MACH2 Time Analyzed: 2333

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	257311		24.24		131988		33.26		63002		45.07	
	UPPER LIMIT	514622		24.74		263976		33.76		126004		45.57	
	LOWER LIMIT	128656		23.74		65994		32.76		31501		44.57	
	EPA SAMPLE NO.												
01	SL-6/7	204833		24.23		106511		33.24		47073		45.06	
02	SL-08	171657		24.24		59243	*	33.25		21117	*	45.09	
03	SL-08 MS	192162		24.23		59367	*	33.26		19942	*	45.11	
04	SL-08 MSD	169772		24.25		37869	*	33.25		12059	*	45.16	
05	SL-01	171156		24.24		65846	*	33.24		24211	*	45.09	
06	SL-12	160182		24.26		37851	*	33.33		14883	*	45.19	
07													
08													
09													
10													
11													
12													
13													
14													
15													

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 of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0801 Date Analyzed: 09/08/94

Instrument ID: MACH2 Time Analyzed: 1315

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	38030	11.77	140490	15.34	85051	20.19
	UPPER LIMIT	76060	12.27	280980	15.84	170102	20.69
	LOWER LIMIT	19015	11.27	70245	14.84	42526	19.69
	EPA SAMPLE NO.						
01	SL-15	39434	11.77	148361	15.34	73572	20.19
02	SL-25	39631	11.76	147120	15.33	84103	20.19
03	SL-03	39372	11.75	153559	15.33	90583	20.18
04	SL-13	34448	11.76	139817	15.34	93609	20.19
05	SL-14	40884	11.76	158362	15.34	98526	20.18
06	SL-04RE	38065	11.76	146693	15.33	90757	20.18
07	SL-08RE	35986	11.74	141205	15.33	94029	20.18
08	SL-01RE	31088	11.75	123252	15.32	79946	20.17
09							
10							
11							
12							
13							
14							
15							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: _____ SAS No.: _____ SDG No.: NETL18-1

Lab File ID (Standard): >U0801 Date Analyzed: 09/08/94

Instrument ID: MACH2 Time Analyzed: 1315

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	119205		24.27		85688		33.31		74676		45.22	
	UPPER LIMIT	238410		24.77		171376		33.81		149352		45.72	
	LOWER LIMIT	59603		23.77		42844		32.81		37338		44.72	
	EPA SAMPLE NO.												
01	SL-15	65683		24.28		36066	*	33.35		21346	*	45.34	
02	SL-25	93139		24.26		46183		33.36		23999	*	45.33	
03	SL-03	112131		24.27		37092	*	33.38		23728	*	45.38	
04	SL-13	132634		24.27		72079		33.33		29528	*	45.29	
05	SL-14	137134		24.26		51542		33.32		22356	*	45.27	
06	SL-04RE	120547		24.26		33510	*	33.37		20341	*	45.34	
07	SL-08RE	131026		24.26		48280		33.31		19294	*	45.26	
08	SL-01RE	106165		24.26		49460		33.29		23792	*	45.20	
09													
10													
11													
12													
13													
14													
15													

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 of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0901 Date Analyzed: 09/09/94

Instrument ID: MACH2 Time Analyzed: 1651

		IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
	12 HOUR STD	37484		11.71		138130		15.29		79633		20.14	
	UPPER LIMIT	74968		12.21		276260		15.79		159266		20.64	
	LOWER LIMIT	18742		11.21		69065		14.79		39817		19.64	
	EPA SAMPLE NO.												
01	SL-03RE	40203		11.70		157696		15.28		97205		20.13	
02	SL-05	39737		11.71		154245		15.29		99949		20.13	
03	SL-10/11	31792		11.70		135382		15.29		88564		20.14	
04	SL-12RE	37621		11.70		148707		15.29		96641		20.13	
05	SL-13RE	39772		11.69		167665		15.28		116601		20.13	
06	SL-14RE	47476		11.71		185669		15.28		119652		20.13	
07	SL-15RE	42190		11.70		164903		15.28		95991		20.12	
08	SL-25RE	40290		11.70		157262		15.27		101105		20.13	
09													
10													
11													
12													
13													
14													
15													

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U0901 Date Analyzed: 09/09/94

Instrument ID: MACH2 Time Analyzed: 1651

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	104311	24.20	56923	33.19	57042	44.96
	UPPER LIMIT	208622	24.70	113846	33.69	114084	45.46
	LOWER LIMIT	52156	23.70	28462	32.69	28521	44.46
	EPA SAMPLE NO.						
01	SL-03RE	114276	24.21	33513	33.25	20780 *	45.10
02	SL-05	148220	24.20	100614	33.19	36846	44.97
03	SL-10/11	108717	24.21	85439	33.19	29690	44.98
04	SL-12RE	115165	24.21	40268	33.24	23295 *	45.00
05	SL-13RE	176440	24.20	67322	33.19	21265 *	44.94
06	SL-14RE	162165	24.20	37266	33.18	14446 *	44.95
07	SL-15RE	61020	24.22	23920 *	33.20	15539 *	45.00
08	SL-25RE	109039	24.20	25919 *	33.21	12942 *	44.97
09							
10							
11							
12							
13							
14							
15							

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 of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U1301 Date Analyzed: 09/13/94

Instrument ID: MACH2 Time Analyzed: 1723

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	19371	11.20	72390	14.79	39027	19.61
UPPER LIMIT	38742	11.70	144780	15.29	78054	20.11
LOWER LIMIT	9686	10.70	36195	14.29	19514	19.11
EPA SAMPLE NO.						
01 SL-12B	19933	11.20	76348	14.79	46292	19.61
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = 1,4-Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Lab File ID (Standard): >U1301 Date Analyzed: 09/13/94

Instrument ID: MACH2 Time Analyzed: 1723

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
	12 HOUR STD	57409		23.66		35876		32.13		27640		42.70	
	UPPER LIMIT	114818		24.16		71752		32.63		55280		43.20	
	LOWER LIMIT	28705		23.16		17938		31.63		13820		42.20	
	EPA SAMPLE NO.												
01	SL-12B	71108		23.66		32177		32.18		20513		42.78	
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													

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 of QC limits.

SAMPLE DATA

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0307

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
06-46-7	1,4-Dichlorobenzene	10	U
5-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
9-09-2	3-Nitroaniline	25	U
3-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) WATER Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) ML Lab File ID: >U0307

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
66-2	Diethylphthalate	10	U
005-72-3	4-chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butylphthalate	1.2	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.9	J
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) water Lab Sample ID: FIELD BLANK

Sample wt/vol: 1000 (g/mL) mL Lab File ID: >U0307

Level: (low/med) low Date Received: 08/31/94

%Moisture: decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH:

Number TICs found: 1 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	108-88-3	TOLUENE	5.13	89	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^U0307::A5
Data File: >U0307::A0
Name: E0831-02
Misc: FIELD BLANK 1000ML

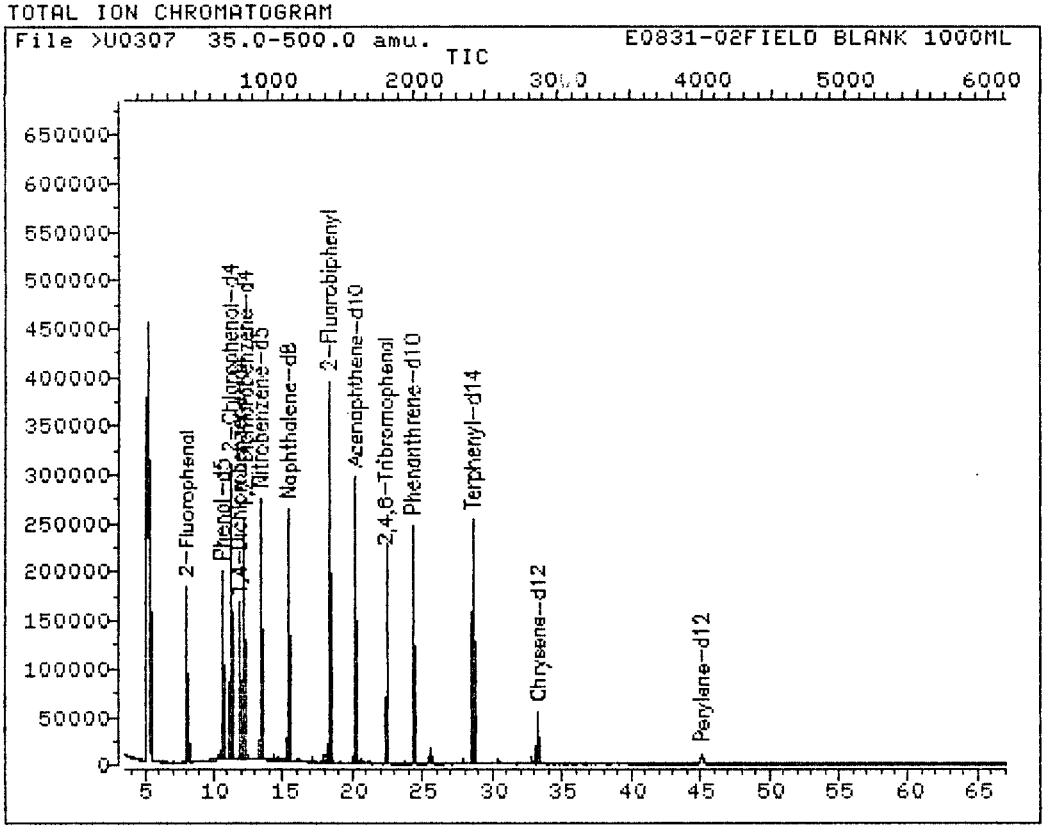
Quant Rev: 7
Quant Time: 940906 13:35
Injected at: 940905 17:54
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 8

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.73	152.0	74448	20.00	UG/ML	65
2)	2-Fluorophenol	7.95	112.0	185920	44.89	UG/ML	97
3)	Phenol-d5	10.51	99.0	177199	30.49	UG/ML	87
4)	2-Chlorophenol-d4	11.09	132.0	233414	48.13	UG/ML	94
5)	1,2-Dichlorobenzene-d4	12.18	152.0	112279	30.58	UG/ML	58
17)	*Naphthalene-d8	15.31	136.0	285229	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.28	82.0	208181	39.79	UG/ML	56
31)	*Acenaphthene-d10	20.16	164.0	168540	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.23	172.0	317310	36.24	UG/ML	95
47)	Diethylphthalate	21.13	149.0	1766	.169	UG/ML	92
51)	*Phenanthrene-d10	24.23	188.0	228507	20.00	UG/ML	97
54)	2,4,6-Tribromophenol	22.29	330.0	91322	54.42	UG/ML	97
61)	Di-n-butylphthalate	25.52	149.0	20917	1.22	UG/ML	96
63)	*Chrysene-d12	33.24	240.0	87995	20.00	UG/ML	92
65)	Terphenyl-d14	28.55	244.0	267681	56.09	UG/ML	89
70)	bis(2-Ethylhexyl)phthalate	32.73	149.0	9382	1.91	UG/ML	96
71)	*Perylene-d12	45.06	264.0	42050	20.00	UG/ML	95

* Compound is ISTD

TOTAL ION CHROMATOGRAM



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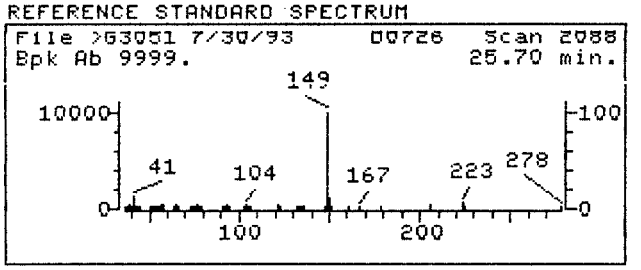
Name: E0831-02 Instrument ID: MACH-2
Misc: FIELD BLANK 1000ML BTL# 8

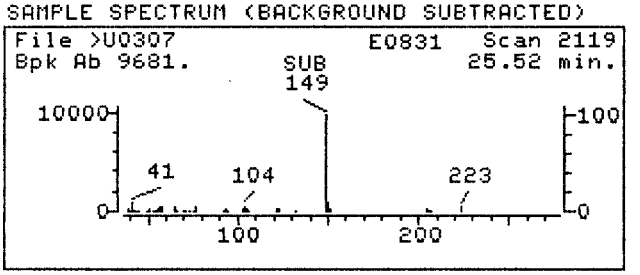
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 13:35
Injected at: 940905 17:54

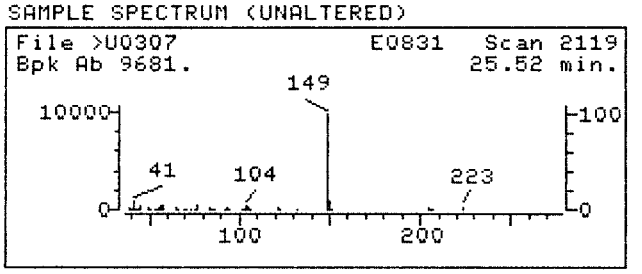
REFERENCE STANDARD SPECTRUM

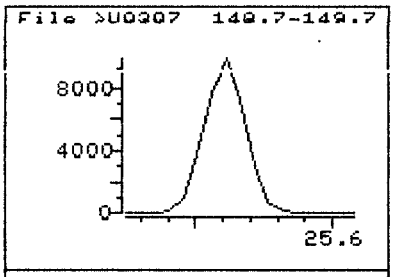


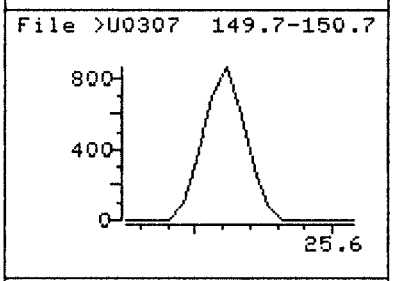
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

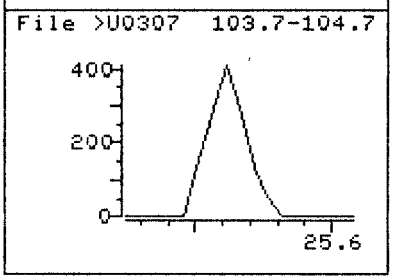


SAMPLE SPECTRUM (UNALTERED)







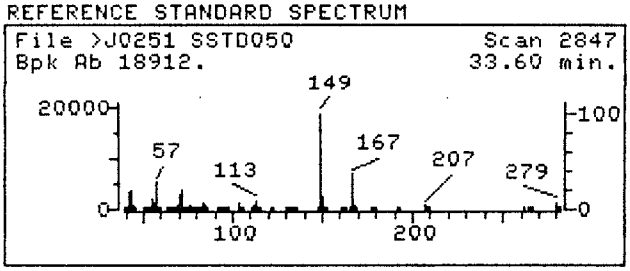


Data File: >U0307
Name: E0831-02
Misc: FIELD BLANK 1000ML
Quant Time: 940906 13:35
Injected at: 940905 17:54
Last Qcal Time: 940905 11:50

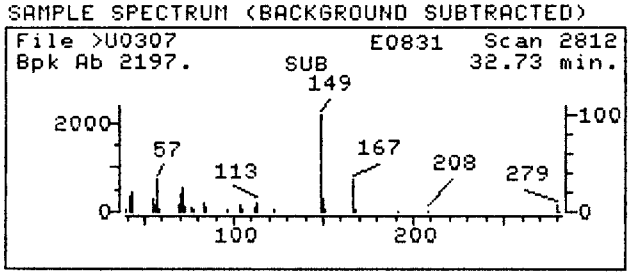
Quant Output File: ^U0307::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2119
Retention Time: 25.52 min.
Quant Ion : 149.0
Area : 20917
Concentration : 1.22 UG/ML
q-value : 96

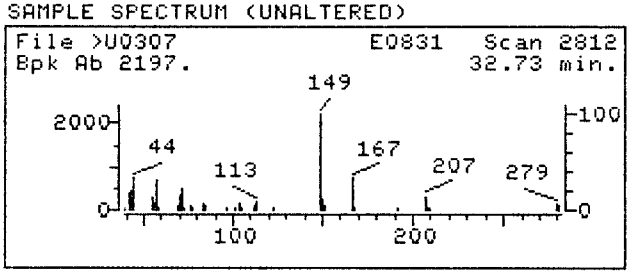
REFERENCE STANDARD SPECTRUM

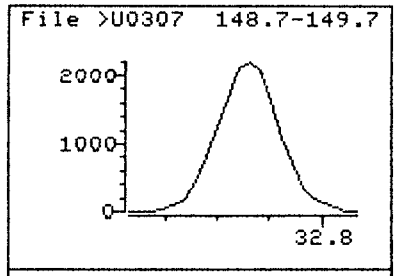


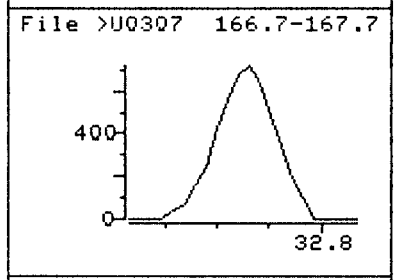
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

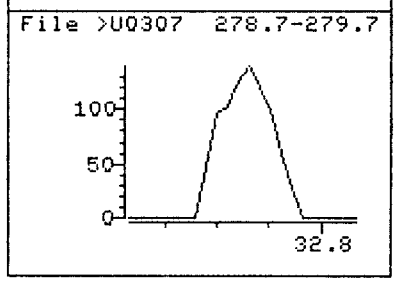


SAMPLE SPECTRUM (UNALTERED)







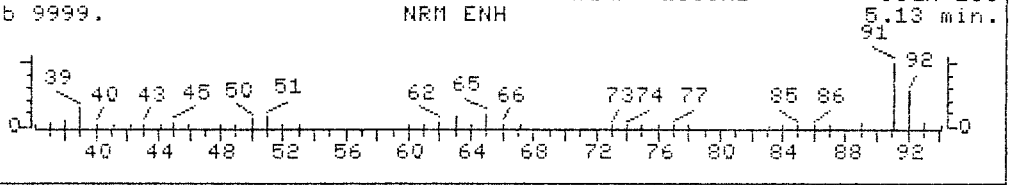


Data File: >U0307
Name: E0831-02
Misc: FIELD BLANK 1000ML
Quant Time: 940906 13:35
Injected at: 940905 17:54
Last Qcal Time: 940905 11:50

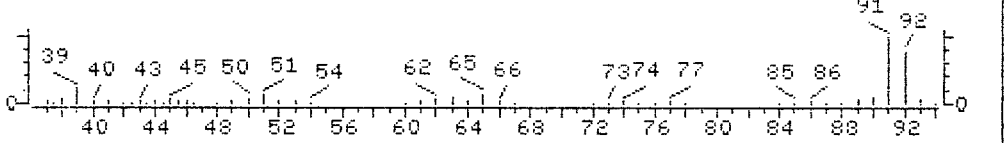
Quant Output File: ^U0307::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2812
Retention Time: 32.73 min.
Quant Ion : 149.0
Area : 9382
Concentration : 1.91 UG/ML
q-value : 96

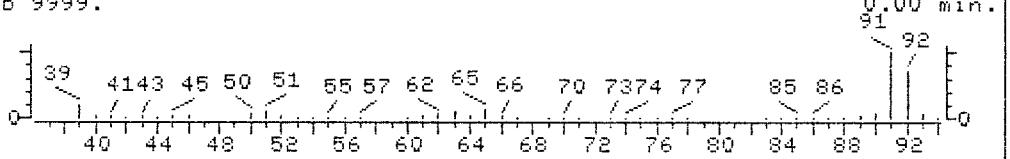
File >U0307 E0831-02FIELD BLANK 1000ML Scan 158
Bpk Ab 9999. NRM ENH 5.13 min.



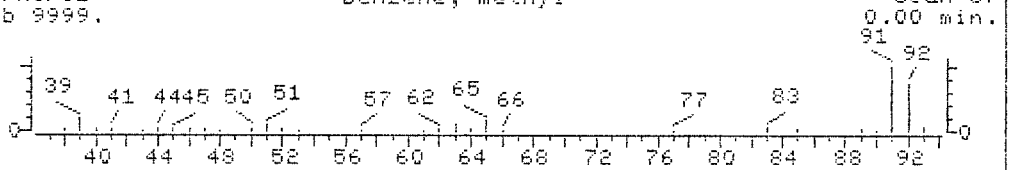
File PRIPOL Benzene, methyl- Scan 35
Bpk Ab 9999. 0.00 min.



File PRIPOL Benzene, methyl- Scan 33
Bpk Ab 9999. 0.00 min.



File PRIPOL Benzene, methyl- Scan 37
Bpk Ab 9999. 0.00 min.



1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0318

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	28	J
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

Operator ID: ANDY
Output File: ^U0318::A5
Data File: >U0318::A0
Name: E0831-02
Misc: SL-01 50.034G 1ML

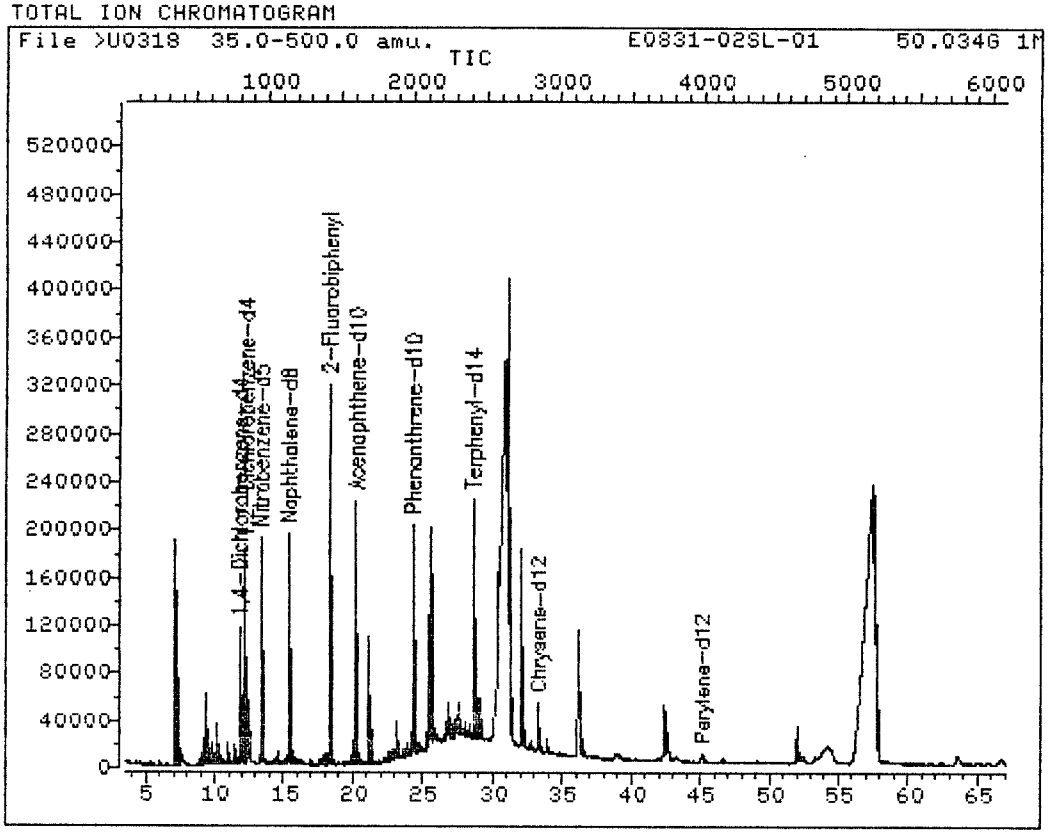
Quant Rev: 7
Quant Time: 940906 14:47
Injected at: 940906 05:37
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#19

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 23:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	51875	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.18	152.0	81612	31.98	UG/ML	60
17)	*Naphthalene-d8	15.32	136.0	205246	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.28	82.0	142637	37.77	UG/ML	56
31)	*Acenaphthene-d10	20.16	164.0	130248	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.23	172.0	249772	37.53	UG/ML	95
51)	*Phenanthrene-d10	24.24	188.0	171156	20.00	UG/ML	96
63)	*Chrysene-d12	33.24	240.0	65846	20.00	UG/ML	93
65)	Terphenyl-d14	28.55	244.0	218664	55.62	UG/ML	90
71)	*Perylene-d12	45.09	264.0	24211	20.00	UG/ML	94
73)	Benzo(b)fluoranthene	41.13	252.0	1789M	1.08	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

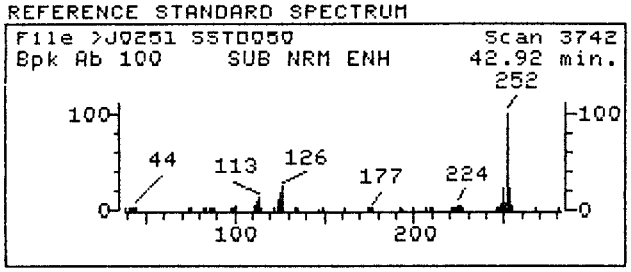


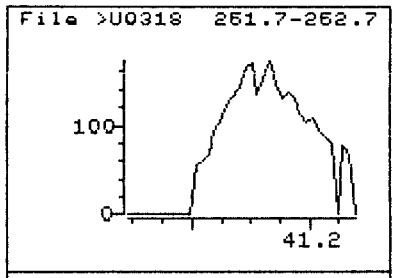
Data File: >U0318 Quant Output File: ^U0318::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-01 50.034G 1ML BTL#19

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 23:33

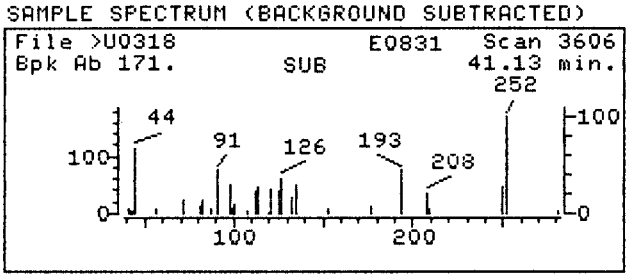
Operator ID: ANDY
Quant Time : 940906 14:47
Injected at: 940906 05:37

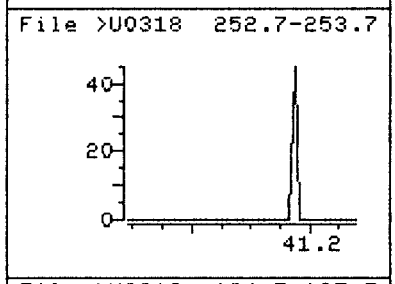
REFERENCE STANDARD SPECTRUM



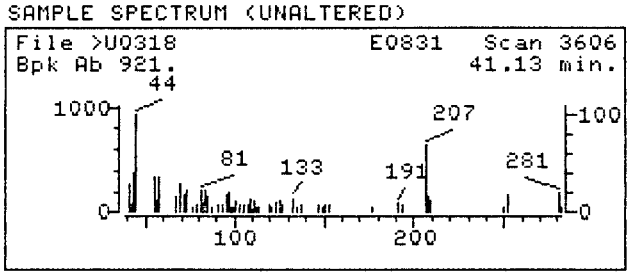


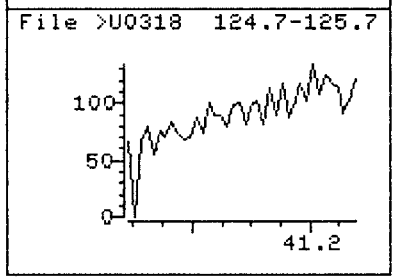
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)





Data File: >U0318
Name: E0831-02
Misc: SL-01 50.034G 1ML
Quant Time: 940906 14:47
Injected at: 940906 05:37
Last Qcal Time: 940905 23:33

Quant Output File: ^U0318::A5
Instrument ID: MACH-2
BTL#19
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3606
Retention Time: 41.13 min.
Quant Ion : 252.0
Area : 1789M
Concentration : 1.08 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-01RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-01RE

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0809

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	39	U
218-01-9	Chrysene	39	U
205-99-2	Benzo(b)fluoranthene	39	
207-08-9	Benzo(k)fluoranthene	39	U
50-32-8	Benzo(a)pyrene	39	U
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

Operator ID: ANDY
Output File: ^U0809::A5
Data File: >U0809::A2
Name: E0831-02
Misc: SL-01RE 50.034G 1ML

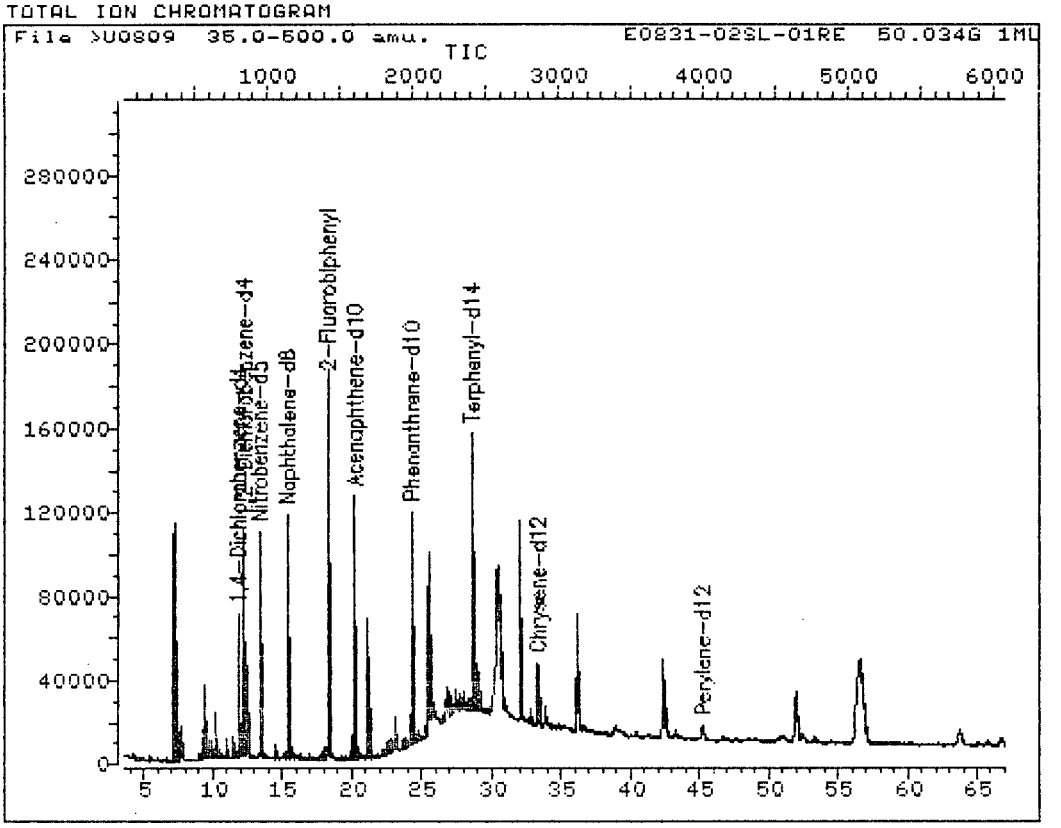
Quant Rev: 7
Quant Time: 940909 00:37
Injected at: 940908 23:29
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#10

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.75	152.0	31088	20.00	UG/ML	70
5)	1,2-Dichlorobenzene-d4	12.19	152.0	48769	33.61	UG/ML	57
17)	*Naphthalene-d8	15.32	136.0	123252	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.28	82.0	84183	37.77	UG/ML	54
31)	*Acenaphthene-d10	20.17	164.0	79946	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.23	172.0	156434	36.47	UG/ML	95
51)	*Phenanthrene-d10	24.26	188.0	106165	20.00	UG/ML	98
63)	*Chrysene-d12	33.29	240.0	49460	20.00	UG/ML	94
65)	Terphenyl-d14	28.57	244.0	155632	67.80	UG/ML	86
71)	*Perylene-d12	45.20	264.0	23792	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.18	252.0	1785M	1.51	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

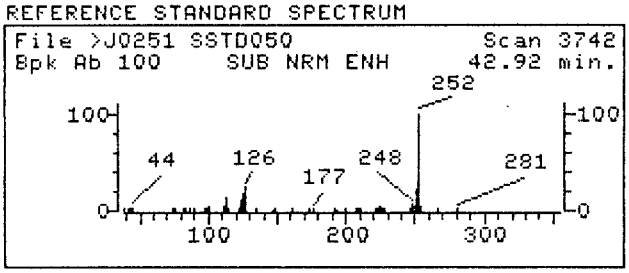


Data File: >U0809 Quant Output File: ^U0809::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-01RE 50.034G 1ML BTL#10

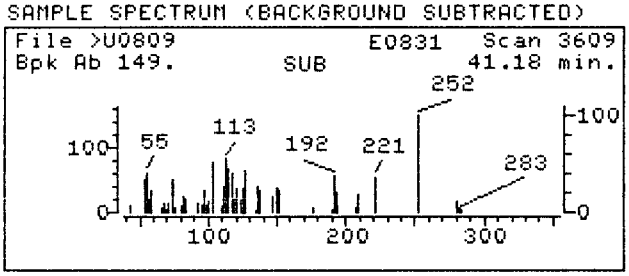
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940909 00:37
Injected at: 940908 23:29

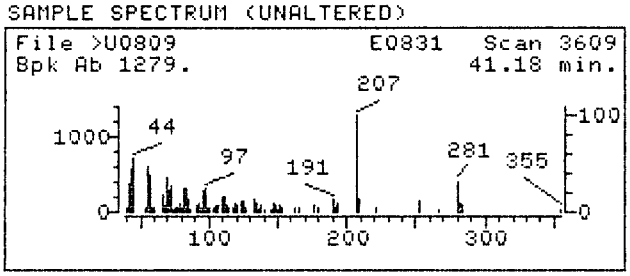
REFERENCE STANDARD SPECTRUM

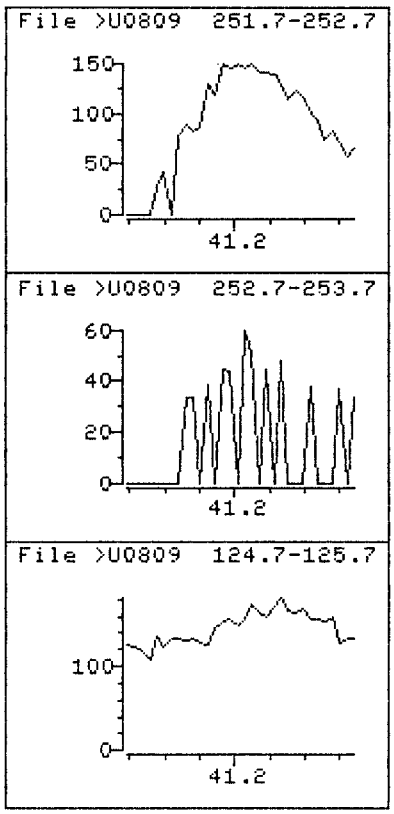


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0809
Name: E0831-02
Misc: SL-01RE 50.034G 1ML
Quant Time: 940909 00:37
Injected at: 940908 23:29
Last Qcal Time: 940908 13:15

Quant Output File: ^U0809::A5
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3609
Retention Time: 41.18 min.
Quant Ion : 252.0
Area : 1785M
Concentration : 1.51 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0804

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 16 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	38	
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	36	
193-39-5	Indeno(1,2,3-cd)pyrene	27	J
53-70-3	Dibenz(a,h)anthracene	36	U

0350

Operator ID: ANDY
Output File: ^U0804::A5
Data File: >U0804::A2
Name: E0831-02
Misc: SL-03 50.323G 1ML

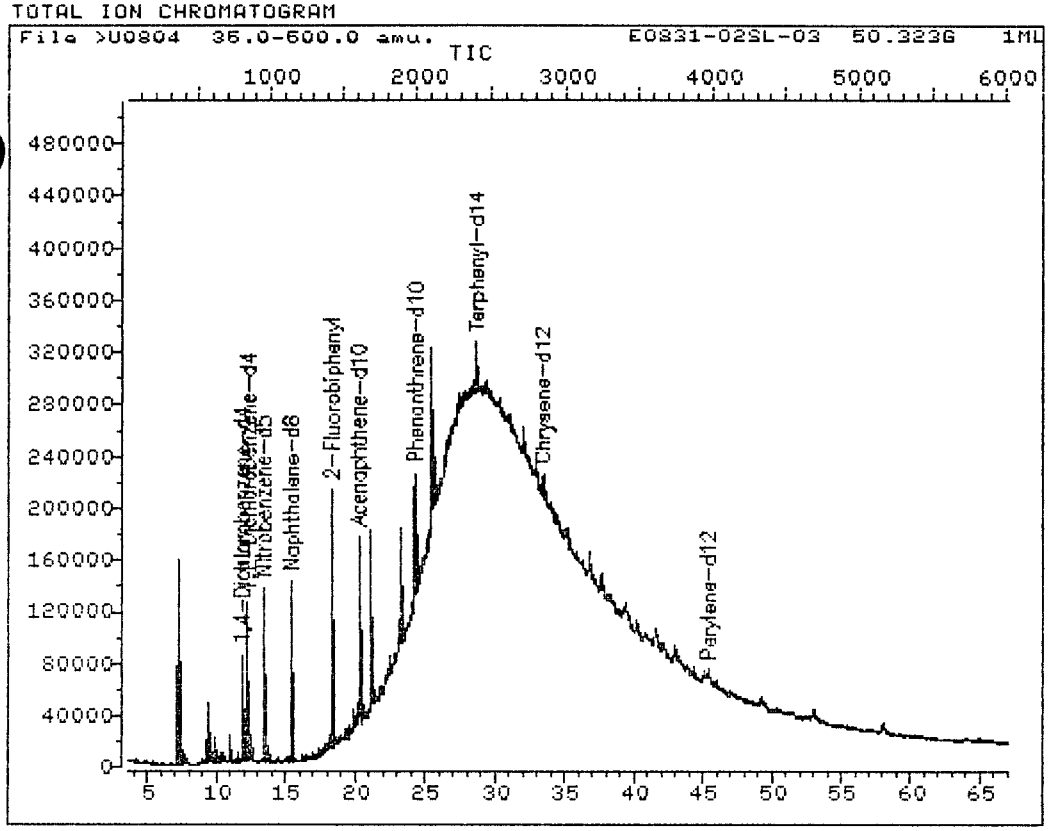
Quant Rev: 7
Quant Time: 940908 18:32
Injected at: 940908 17:24
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.75	152.0	39372	20.00	UG/ML	67
5)	1,2-Dichlorobenzene-d4	12.20	152.0	56458	30.72	UG/ML	58
17)	*Naphthalene-d8	15.33	136.0	153559	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.30	82.0	101948	36.72	UG/ML	55
31)	*Acenaphthene-d10	20.18	164.0	90583	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.26	172.0	170458	35.08	UG/ML	95
51)	*Phenanthrene-d10	24.27	188.0	112131	20.00	UG/ML	97
63)	*Chrysene-d12	33.38	240.0	37092	20.00	UG/ML	87
65)	Terphenyl-d14	28.60	244.0	102843	59.74	UG/ML	83
71)	*Perylene-d12	45.38	264.0	23728	20.00	UG/ML	94
73)	Benzo(b)fluoranthene	41.34	252.0	1900M	1.61	UG/ML	
75)	Benzo(a)pyrene	44.77	252.0	1528M	1.50	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	60.73	276.0	1000M	1.15	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

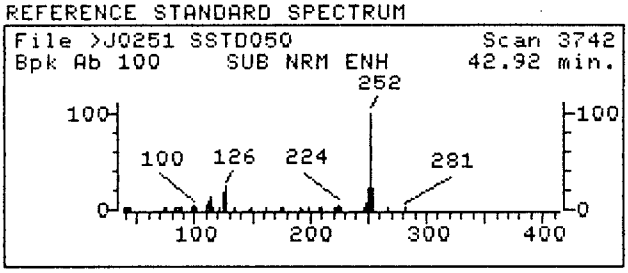


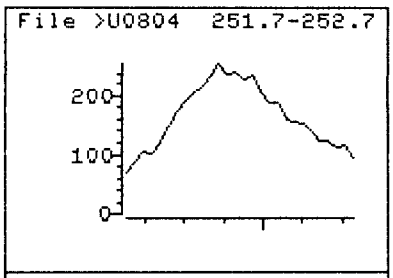
Data File: >U0804 Quant Output File: ^U0804::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-03 50.323G 1ML BTL# 5

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

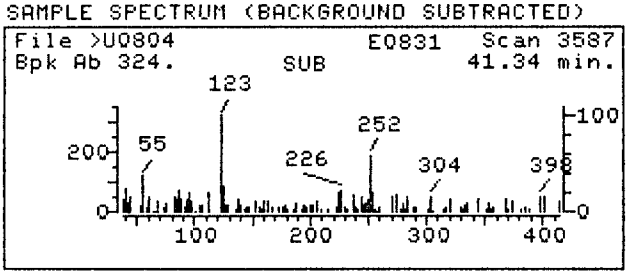
Operator ID: ANDY
Quant Time : 940908 18:32
Injected at: 940908 17:24

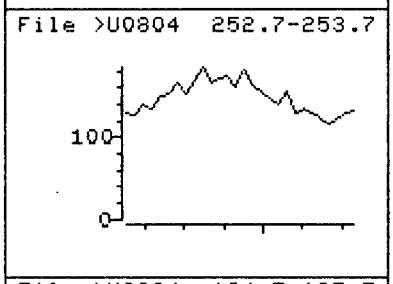
REFERENCE STANDARD SPECTRUM



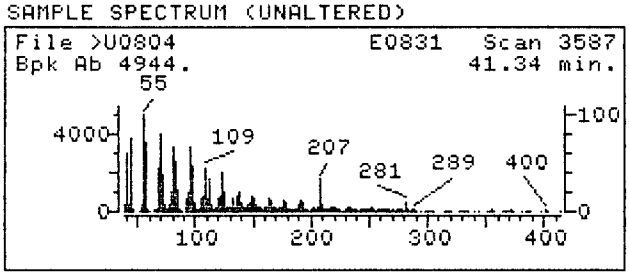


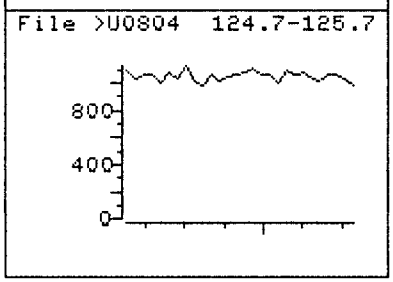
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



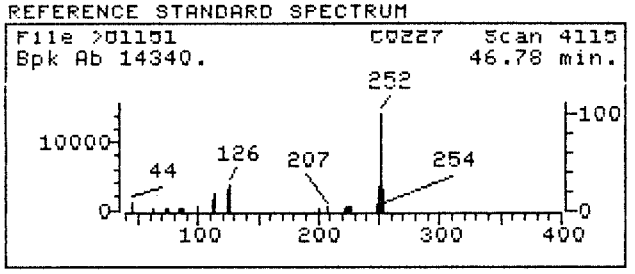


Data File: >U0804
Name: E0831-02
Misc: SL-03 50.323G 1ML
Quant Time: 940908 18:32
Injected at: 940908 17:24
Last Qcal Time: 940908 13:15

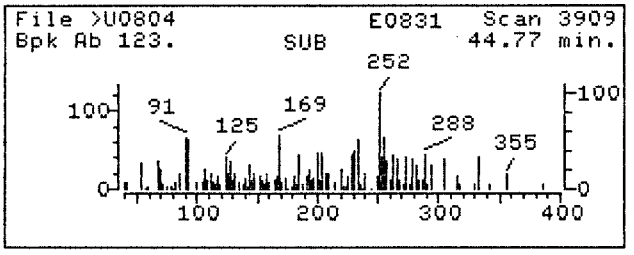
Quant Output File: ^U0804::A5
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3587
Retention Time: 41.34 min.
Quant Ion : 252.0
Area : 1900M
Concentration : 1.61 UG/ML

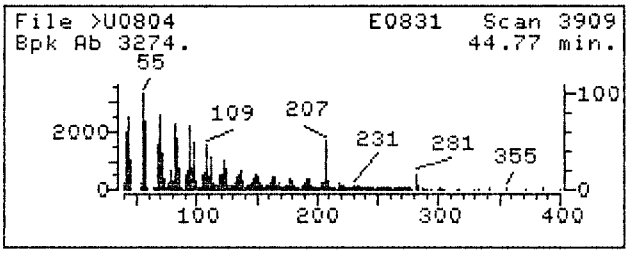
REFERENCE STANDARD SPECTRUM

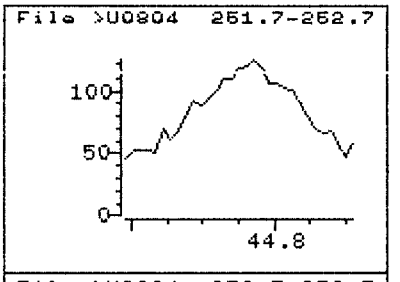


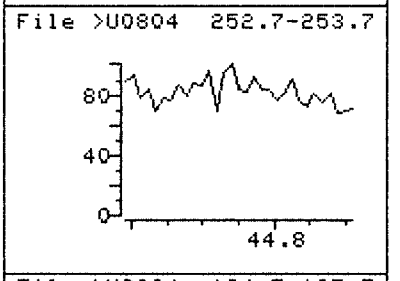
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

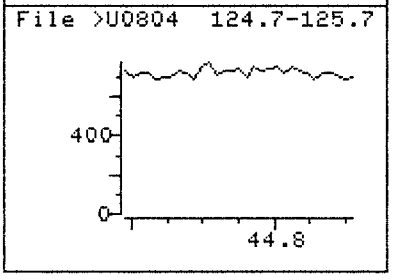


SAMPLE SPECTRUM (UNALTERED)







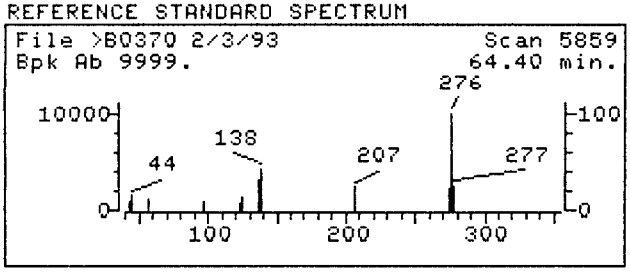


Data File: >U0804
Name: E0831-02
Misc: SL-03 50.323G 1ML
Quant Time: 940908 18:32
Injected at: 940908 17:24
Last Qcal Time: 940908 13:15

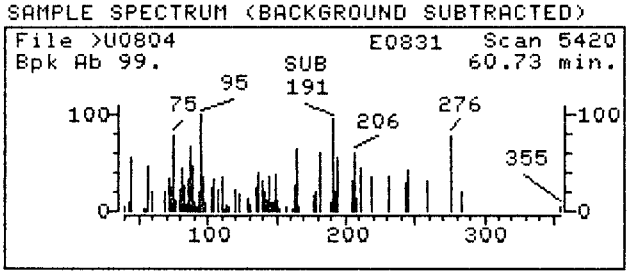
Quant Output File: ^U0804::A5
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3909
Retention Time: 44.77 min.
Quant Ion : 252.0
Area : 1528M
Concentration : 1.50 UG/ML

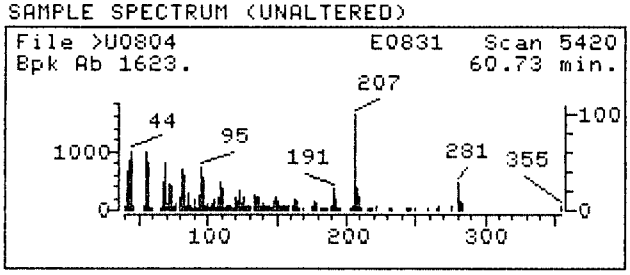
REFERENCE STANDARD SPECTRUM

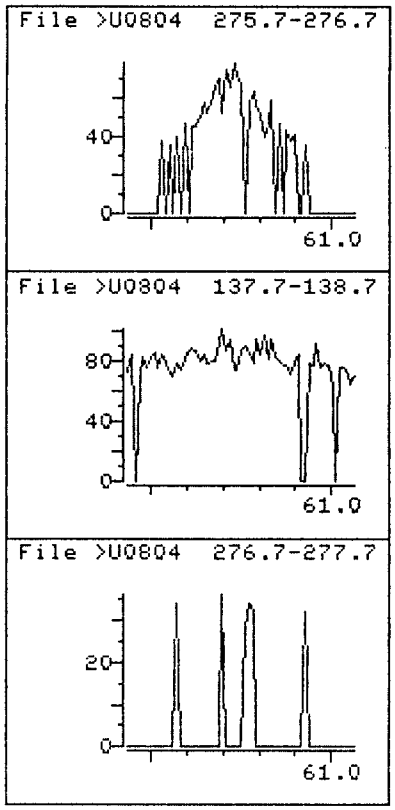


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0804
Name: E0831-02
Misc: SL-03 50.323G 1ML
Quant Time: 940908 18:32
Injected at: 940908 17:24
Last Qcal Time: 940908 13:15

Quant Output File: ^U0804::A5
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5420
Retention Time: 60.73 min.
Quant Ion : 276.0
Area : 1000M
Concentration : 1.15 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-03RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-03RE

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0902

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 16 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
205-99-2	Benzo(b)fluoranthene	57	
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	28	J
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

Operator ID: ANDY
Output File: ^U0902::D1
Data File: >U0902::A2
Name: RETEC E0831-02
Misc: SL-03RE 50.323G 1ML

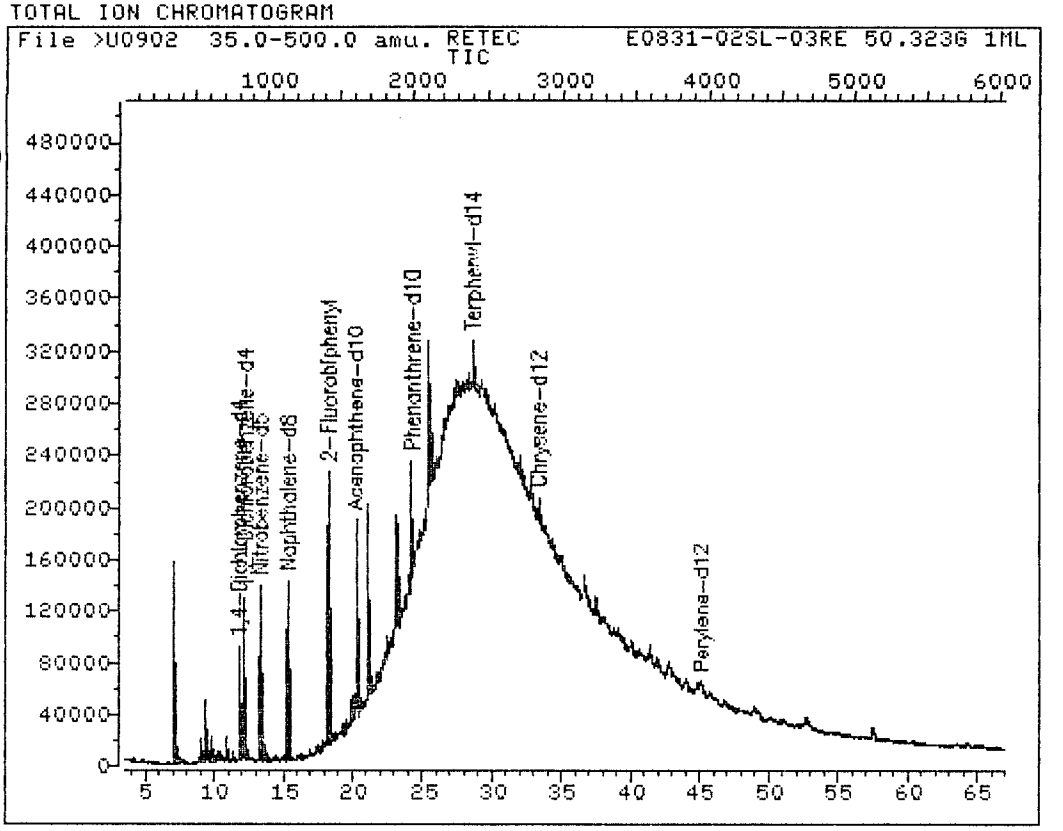
Quant Rev: 7
Quant Time: 940909 19:29
Injected at: 940909 18:20
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.70	152.0	40203	20.00	UG/ML	65
5)	1,2-Dichlorobenzene-d4	12.15	152.0	57014	28.89	UG/ML	57
17)	*Naphthalene-d8	15.28	136.0	157696	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.25	82.0	102789	35.01	UG/ML	53
31)	*Acenaphthene-d10	20.13	164.0	97205	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.20	172.0	173550	32.86	UG/ML	96
51)	*Phenanthrene-d10	24.21	188.0	114276	20.00	UG/ML	96
63)	*Chrysene-d12	33.25	240.0	33513	20.00	UG/ML	90
65)	Terphenyl-d14	28.53	244.0	93027	53.45	UG/ML	85
71)	*Perylene-d12	45.10	264.0	20780	20.00	UG/ML	92
73)	Benzo(b)fluoranthene	41.10	252.0	2474M	2.42	UG/ML	
75)	Benzo(a)pyrene	44.45	252.0	1045M	1.19	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

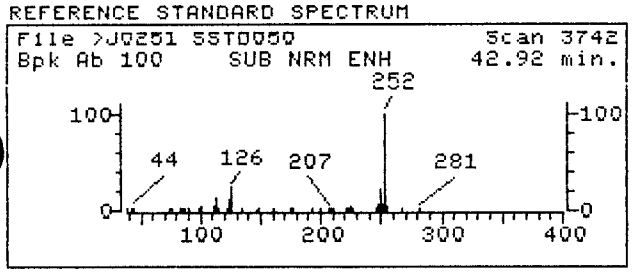


Data File: >U0902 Quant Output File: ^U0902::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-03RE 50.323G 1ML BTL# 4

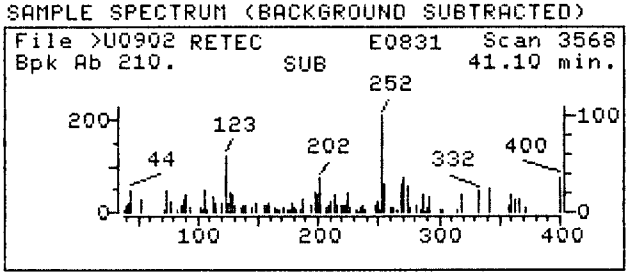
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

Operator ID: ANDY
Quant Time : 940909 19:29
Injected at: 940909 18:20

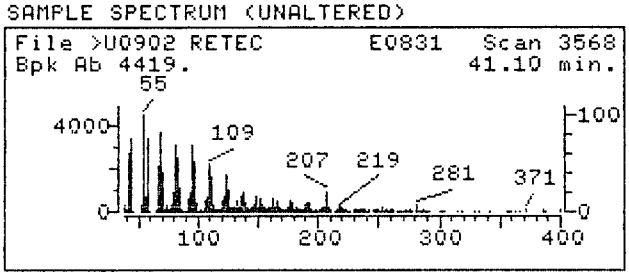
REFERENCE STANDARD SPECTRUM

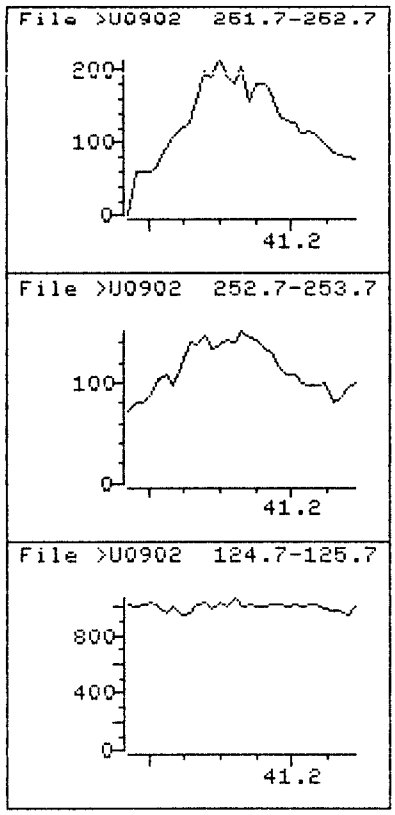


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



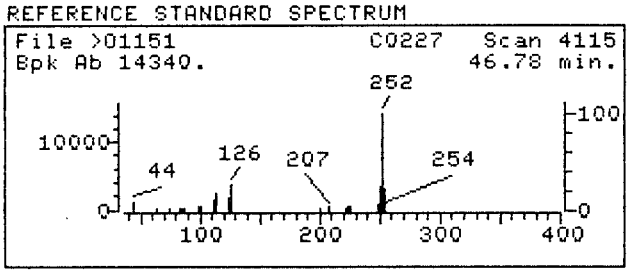


Data File: >U0902
Name: RETEC E0831-02
Misc: SL-03RE 50.323G 1ML
Quant Time: 940909 19:29
Injected at: 940909 18:20
Last Qcal Time: 940909 16:51

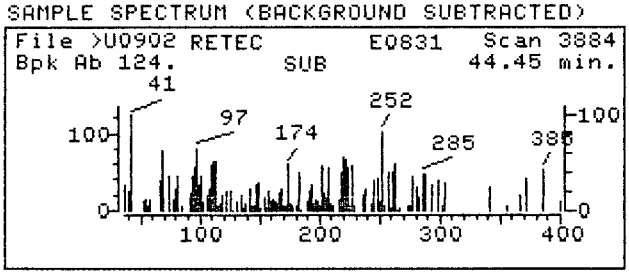
Quant Output File: ^U0902::D1
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3568
Retention Time: 41.10 min.
Quant Ion : 252.0
Area : 2474M
Concentration : 2.42 UG/ML

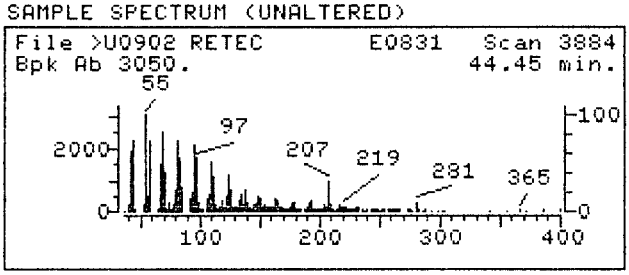
REFERENCE STANDARD SPECTRUM

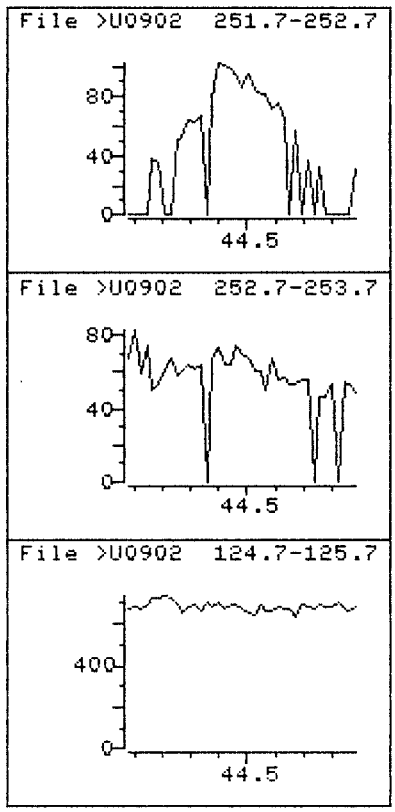


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0902
Name: RETEC E0831-02
Misc: SL-03RE 50.323G 1ML
Quant Time: 940909 19:29
Injected at: 940909 18:20
Last Qcal Time: 940909 16:51

Quant Output File: ^U0902::D1
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3884
Retention Time: 44.45 min.
Quant Ion : 252.0
Area : 1045M
Concentration : 1.19 UG/ML

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0310

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	225	U
111-44-4	bis(2-Chloroethyl)ether	225	U
95-57-8	2-Chlorophenol	225	U
541-73-1	1,3-Dichlorobenzene	225	U
106-46-7	1,4-Dichlorobenzene	225	U
95-50-1	1,2-Dichlorobenzene	225	U
95-48-7	2-Methylphenol	225	U
108-60-1	2,2'-oxybis(1-Chloropropane)	225	U
106-44-5	4-Methylphenol	225	U
621-64-7	N-Nitroso-di-n-propylamine	225	U
67-72-1	Hexachloroethane	225	U
98-95-3	Nitrobenzene	225	U
78-59-1	Isophorone	225	U
88-75-5	2-Nitrophenol	225	U
105-67-9	2,4-Dimethylphenol	225	U
111-91-1	bis(2-Chloroethoxy)methane	225	U
120-83-2	2,4-Dichlorophenol	225	U
120-82-1	1,2,4-Trichlorobenzene	225	U
91-20-3	Naphthalene	225	U
106-47-8	4-Chloroaniline	225	U
87-68-3	Hexachlorobutadiene	225	U
59-50-7	4-Chloro-3-methylphenol	225	U
91-57-6	2-Methylnaphthalene	225	U
77-47-4	Hexachlorocyclopentadiene	225	U
88-06-2	2,4,6-Trichlorophenol	225	U
95-95-4	2,4,5-Trichlorophenol	561	U
91-58-7	2-Chloronaphthalene	225	U
88-74-4	2-Nitroaniline	561	U
131-11-3	Dimethylphthalate	225	U
208-96-8	Acenaphthylene	225	U
606-20-2	2,6-Dinitrotoluene	225	U
99-09-2	3-Nitroaniline	561	U
83-32-9	Acenaphthene	225	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0310

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	561	U
100-02-7	4-Nitrophenol	561	U
132-64-9	Dibenzofuran	225	U
121-14-2	2,4-Dinitrotoluene	225	U
66-2	Diethylphthalate	225	U
005-72-3	4-chlorophenyl-phenylether	225	U
86-73-7	Fluorene	225	U
100-01-6	4-Nitroaniline	561	U
534-52-1	4,6-Dinitro-2-methylphenol	561	U
86-30-6	N-Nitrosodiphenylamine (1)	225	U
101-55-3	4-Bromophenyl-phenylether	225	U
118-74-1	Hexachlorobenzene	225	U
87-86-5	Pentachlorophenol	561	U
85-01-8	Phenanthrene	225	U
120-12-7	Anthracene	225	U
86-74-8	Carbazole	225	U
84-74-2	Di-n-butylphthalate	225	B
206-44-0	Fluoranthene	225	U
129-00-0	Pyrene	136	J
85-68-7	Butylbenzylphthalate	225	U
91-94-1	3,3'-Dichlorobenzidine	225	U
56-55-3	Benzo(a)anthracene	77	
218-01-9	Chrysene	135	
117-81-7	bis(2-Ethylhexyl)phthalate	132	BJ
117-84-0	Di-n-octylphthalate	225	U
205-99-2	Benzo(b)fluoranthene	153	
207-08-9	Benzo(k)fluoranthene	71	
50-32-8	Benzo(a)pyrene	70	
193-39-5	Indeno(1,2,3-cd)pyrene	55	
53-70-3	Dibenz(a,h)anthracene	34	U
191-24-2	Benzo(g,h,i)perylene	73	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-04

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) soil Lab Sample ID: SL-04

Sample wt/vol: 50.6 (g/mL) g Lab File ID: >U0310

Level: (low/med) low Date Received: 08/31/94

%Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/05/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKYL ALCOHOL	4.13	72	J
2.		UNKNOWN HYDROCARBON	7.12	853	J
3.		UNKNOWN HYDROCARBON	9.83	108	J
4.		UNKNOWN ALKYL ALCOHOL	10.33	63	J
5.		UNKNOWN ALKYL ALCOHOL	10.85	90	J
6.		UNKNOWN ALKYL ALCOHOL	12.01	314	J
7.		UNKNOWN HYDROCARBON	12.37	101	J
8.		UNKNOWN HYDROCARBON	21.10	222	J
9.		UNKNOWN HYDROCARBON	23.05	58	J
10.		UNKNOWN HYDROCARBON	23.69	56	J
11.		UNKNOWN HYDROCARBON	25.20	83	J
12.		UNKNOWN HYDROCARBON	25.38	247	J
13.		UNKNOWN HYDROCARBON	29.23	472	J
14.		UNKNOWN HYDROCARBON	30.65	404	J
15.		UNKNOWN HYDROCARBON	31.87	247	J
16.		UNKNOWN HYDROCARBON	33.75	108	J
17.		UNKNOWN HYDROCARBON	35.02	337	J
18.		UNKNOWN HYDROCARBON	36.71	269	J
19.		UNKNOWN HYDROCARBON	37.51	90	J
20.		UNKNOWN HYDROCARBON	42.81	115	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

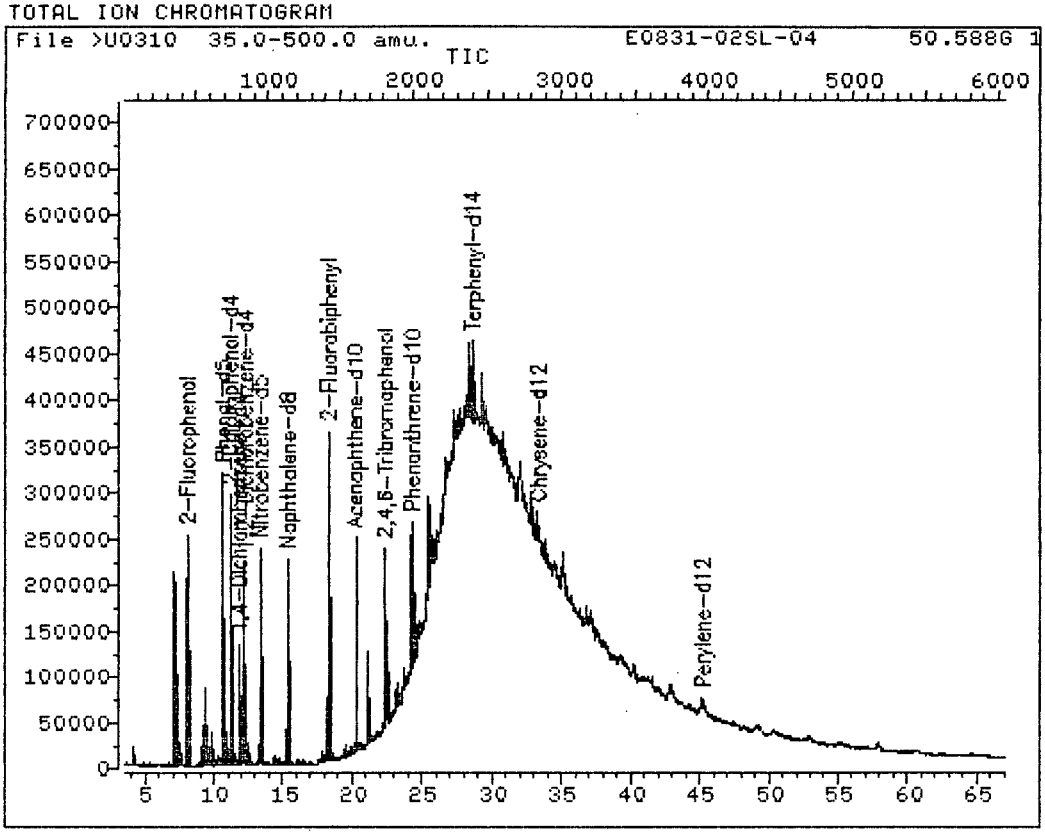
Operator ID: ANDY Quant Rev: 7 Quant Time: 940906 13:50
Output File: ^U0310::A5 Injected at: 940905 21:33
Data File: >U0310::A0 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-04 50.588G 1ML BTL#11

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	61988	20.00	UG/ML	66
2)	2-Fluorophenol	8.01	112.0	187905	54.49	UG/ML	95
3)	Phenol-d5	10.56	99.0	259046	53.54	UG/ML	86
4)	2-Chlorophenol-d4	11.11	132.0	203794	50.47	UG/ML	94
5)	1,2-Dichlorobenzene-d4	12.18	152.0	100988	33.03	UG/ML	56
17)	*Naphthalene-d8	15.32	136.0	239108	20.00	UG/ML	97
18)	Nitrobenzene-d5	13.28	82.0	182653	41.64	UG/ML	57
31)	*Acenaphthene-d10	20.16	164.0	137444	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.23	172.0	282662	39.58	UG/ML	96
51)	*Phenanthrene-d10	24.24	188.0	160145	20.00	UG/ML	94
54)	2,4,6-Tribromophenol	22.30	330.0	76383	64.95	UG/ML	99
61)	Di-n-butylphthalate	25.53	149.0	120304	10.03	UG/ML	98
62)	Fluoranthene	27.55	202.0	12211	1.49	UG/ML	99
63)	*Chrysene-d12	33.28	240.0	50623	20.00	UG/ML	86
64)	Pyrene	28.28	202.0	27405	6.07	UG/ML	93
65)	Terphenyl-d14	28.56	244.0	152973	55.72	UG/ML	87
68)	Benzo(a)anthracene	33.23	228.0	9925	3.45	UG/ML	90
69)	Chrysene	33.45	228.0	14223M	6.02	UG/ML	94
70)	bis(2-Ethylhexyl)phthalate	32.77	149.0	16599	5.88	UG/ML	97
71)	*Perylene-d12	45.18	264.0	25838	20.00	UG/ML	94
73)	Benzo(b)fluoranthene	41.19	252.0	11371M	6.82	UG/ML	
74)	Benzo(k)fluoranthene	41.44	252.0	5201M	3.15	UG/ML	
75)	Benzo(a)pyrene	44.58	252.0	4023M	3.11	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	60.35	276.0	1862M	2.43	UG/ML	
78)	Benzo(g,h,i)perylene	65.19	276.0	2244M	3.23	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

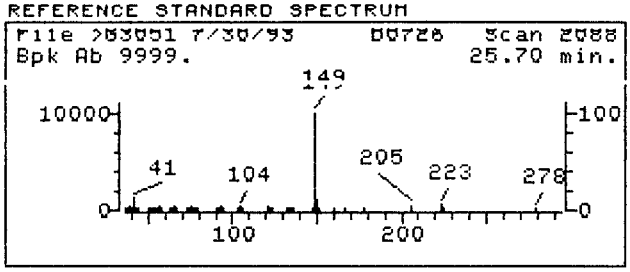


Data File: >U0310 Quant Output File: ^U0310::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-04 50.588G 1ML BTL#11

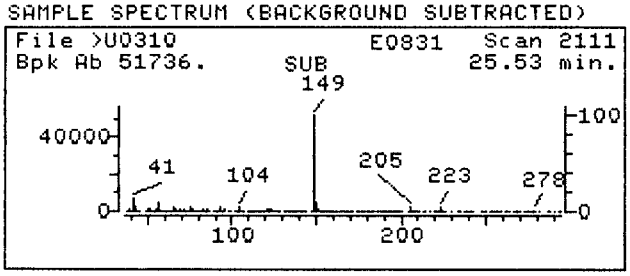
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 11:50

Operator ID: ANDY
Quant Time : 940906 13:50
Injected at: 940905 21:33

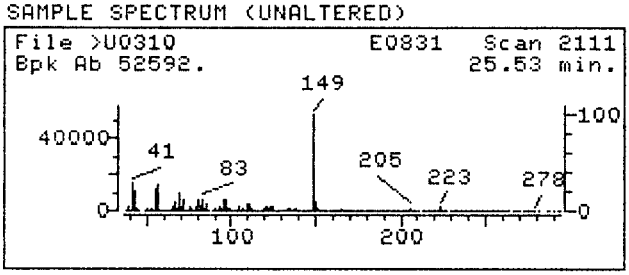
REFERENCE STANDARD SPECTRUM

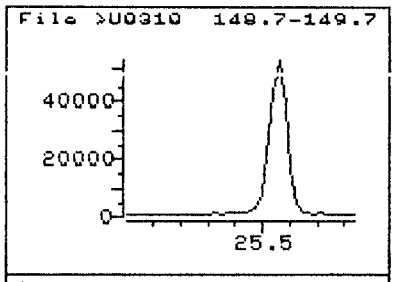


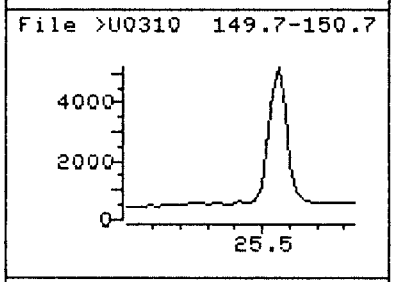
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

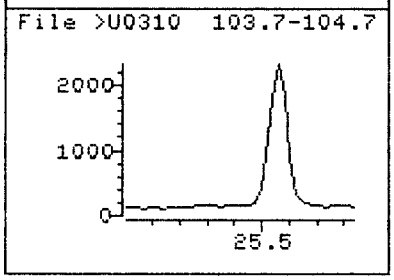


SAMPLE SPECTRUM (UNALTERED)







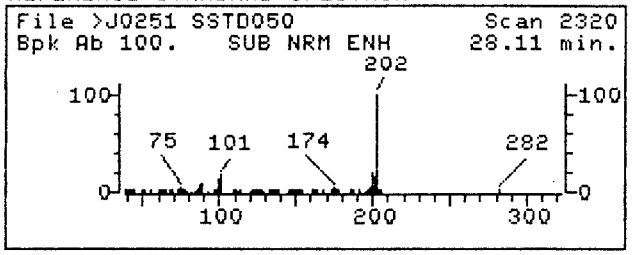


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

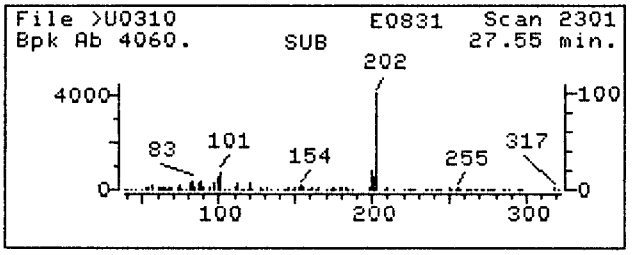
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2111
Retention Time: 25.53 min.
Quant Ion : 149.0
Area : 120304
Concentration : 10.03 UG/ML
q-value : 98

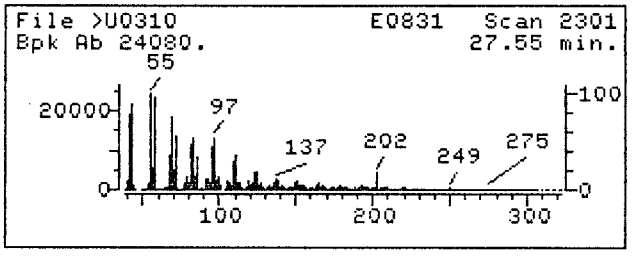
REFERENCE STANDARD SPECTRUM

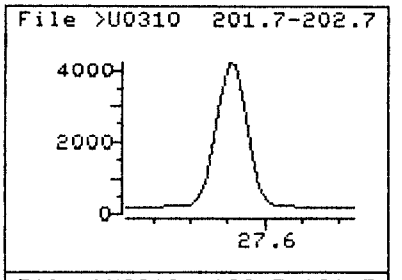


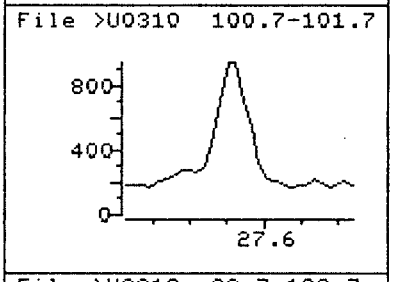
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

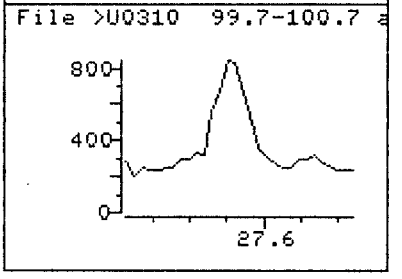


SAMPLE SPECTRUM (UNALTERED)







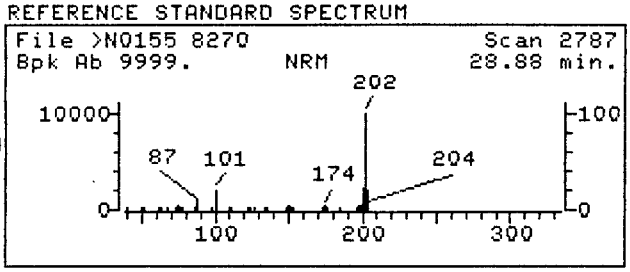


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

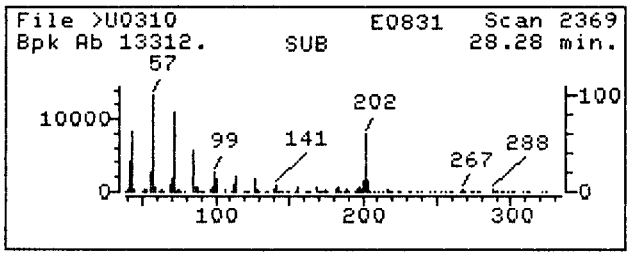
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2301
Retention Time: 27.55 min.
Quant Ion : 202.0
Area : 12211
Concentration : 1.49 UG/ML
q-value : 99

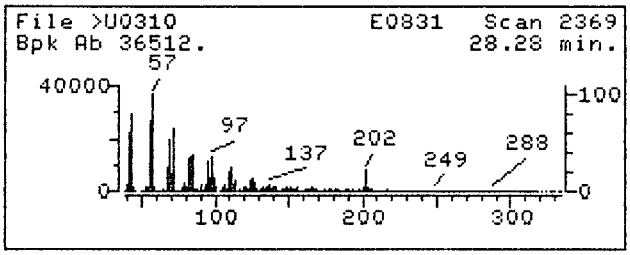
REFERENCE STANDARD SPECTRUM

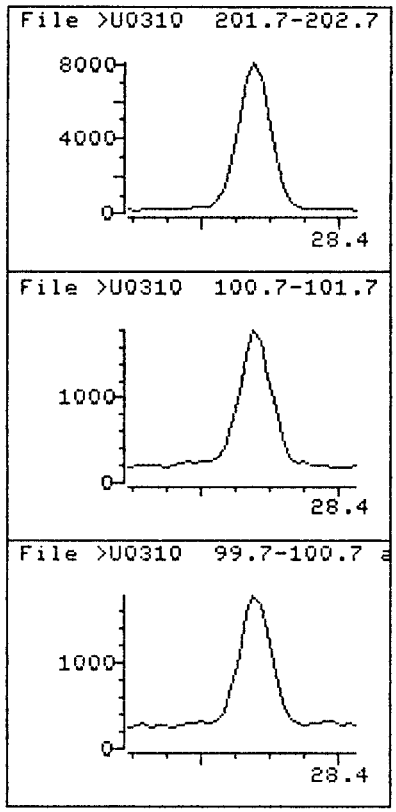


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



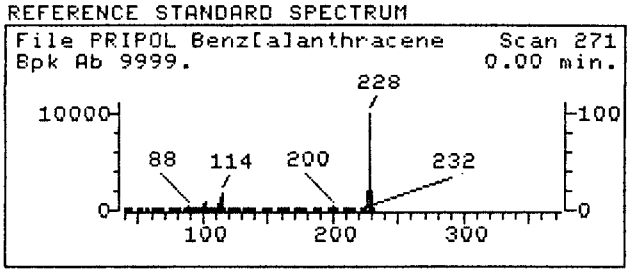


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

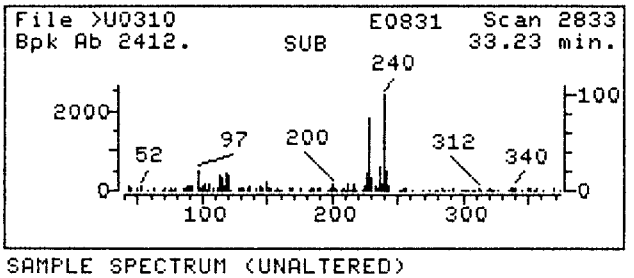
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 64
Compound Name : Pyrene
Scan Number : 2369
Retention Time: 28.28 min.
Quant Ion : 202.0
Area : 27405
Concentration : 6.07 UG/ML
q-value : 93

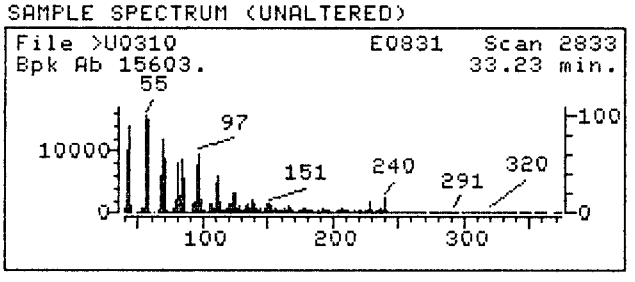
REFERENCE STANDARD SPECTRUM

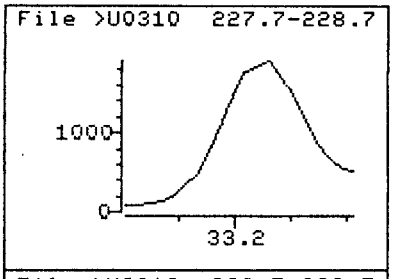


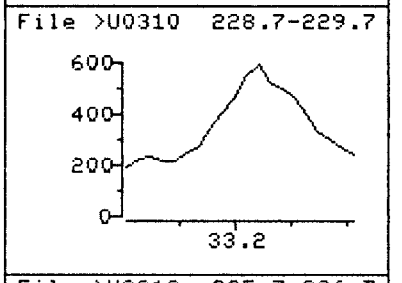
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

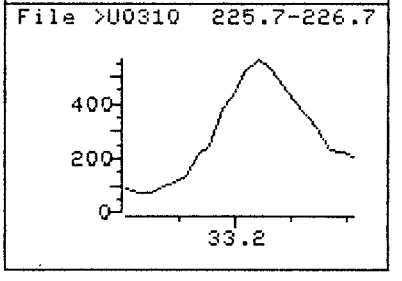


SAMPLE SPECTRUM (UNALTERED)







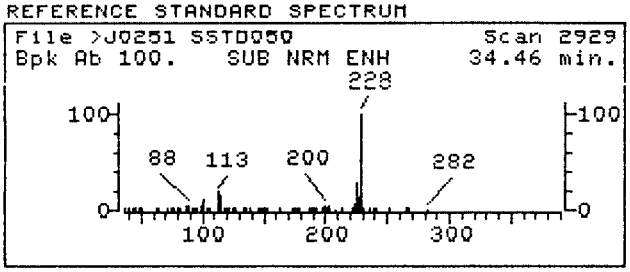


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

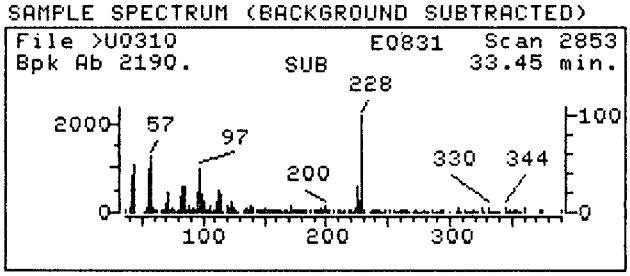
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2833
Retention Time: 33.23 min.
Quant Ion : 228.0
Area : 9925
Concentration : 3.45 UG/ML
q-value : 90

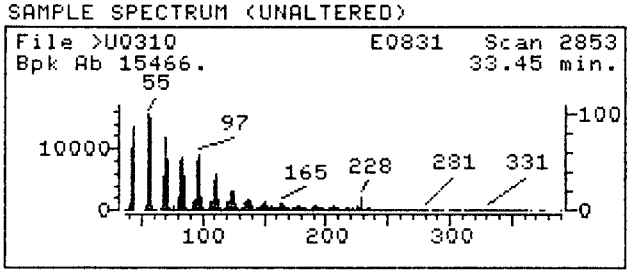
REFERENCE STANDARD SPECTRUM

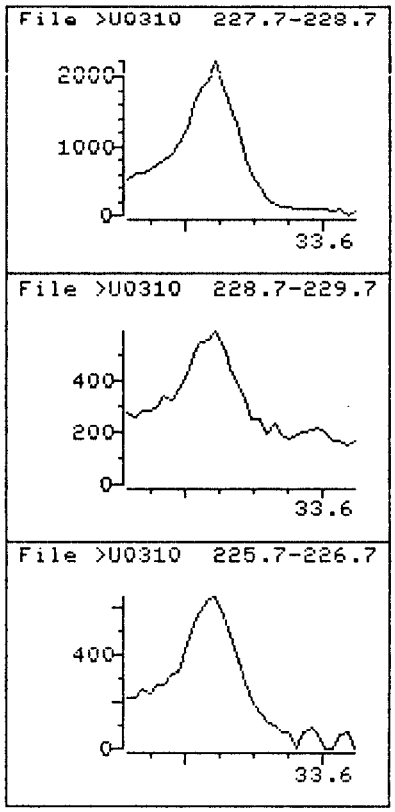


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



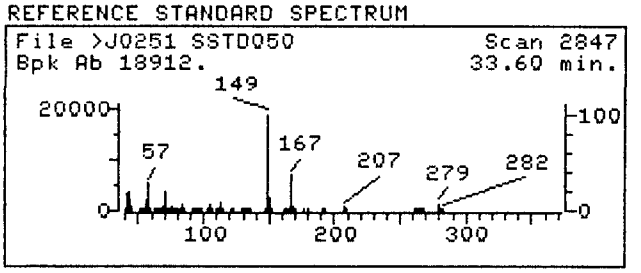


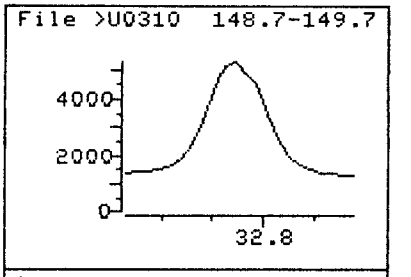
Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

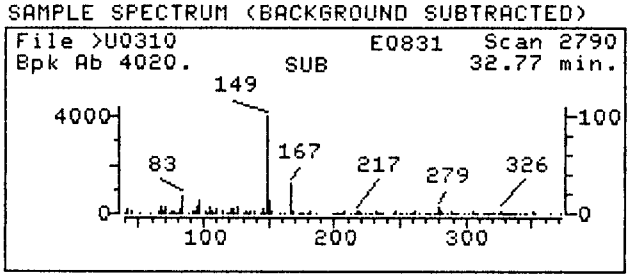
Compound No : 69
Compound Name : Chrysene
Scan Number : 2853
Retention Time: 33.45 min.
Quant Ion : 228.0
Area : 14223M
Concentration : 6.02 UG/ML
q-value : 94

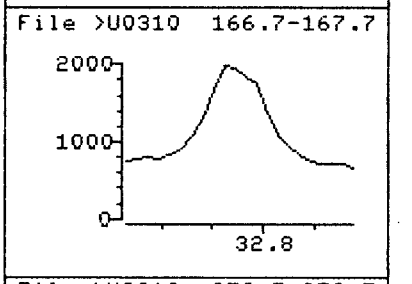
REFERENCE STANDARD SPECTRUM



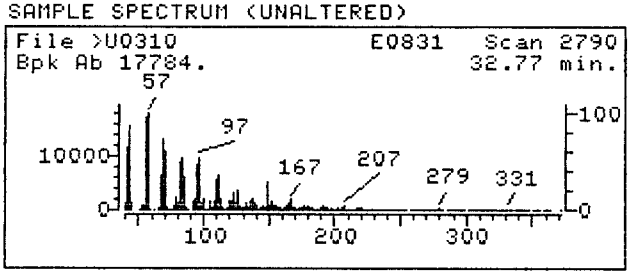


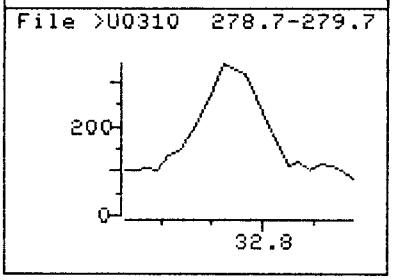
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



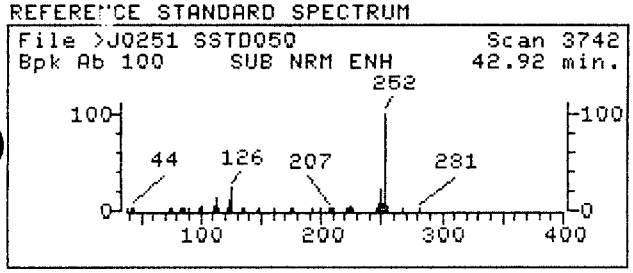


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

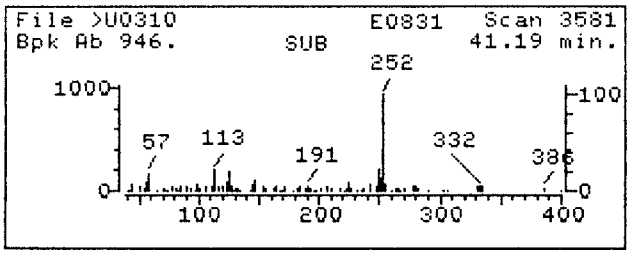
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2790
Retention Time: 32.77 min.
Quant Ion : 149.0
Area : 16599
Concentration : 5.88 UG/ML
q-value : 97

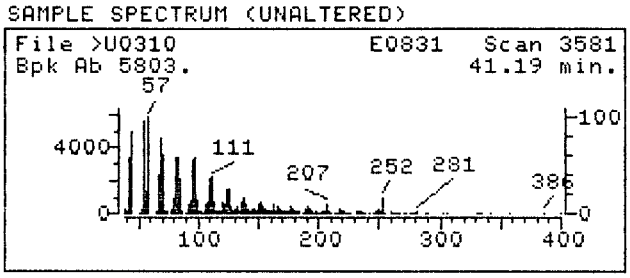
REFERENCE STANDARD SPECTRUM

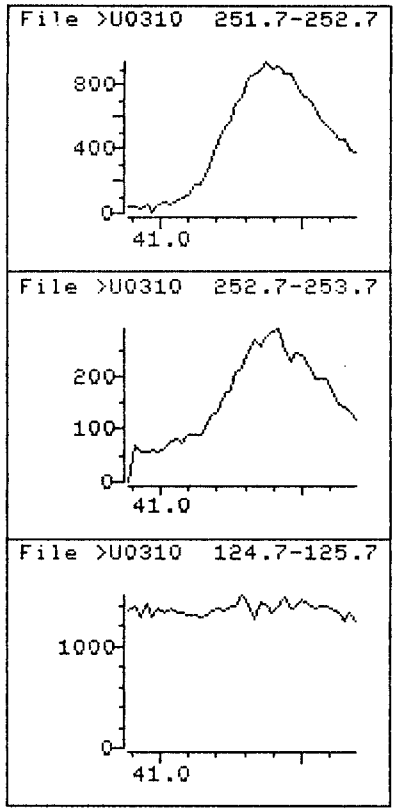


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



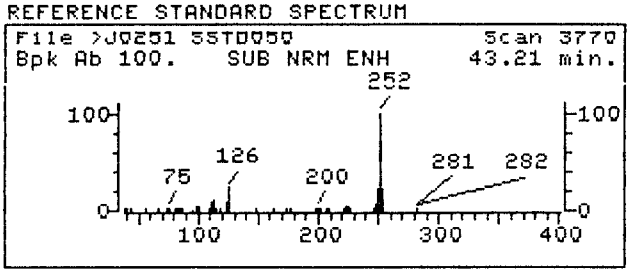


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

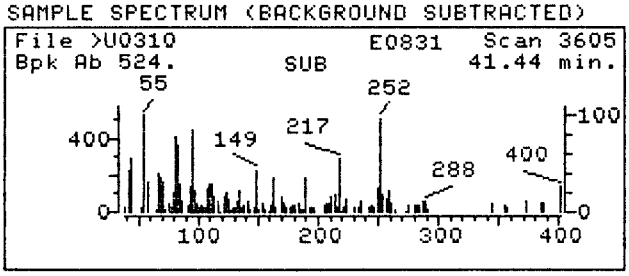
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3581
Retention Time: 41.19 min.
Quant Ion : 252.0
Area : 11371M
Concentration : 6.82 UG/ML

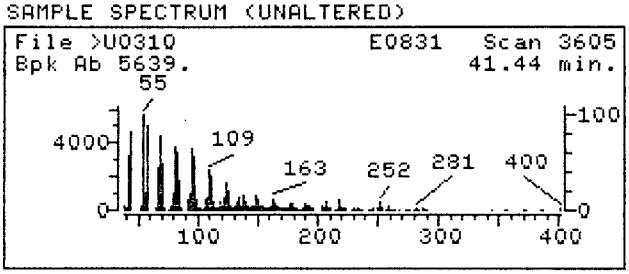
REFERENCE STANDARD SPECTRUM

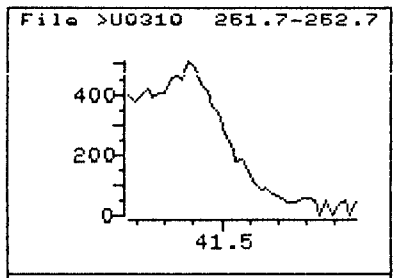


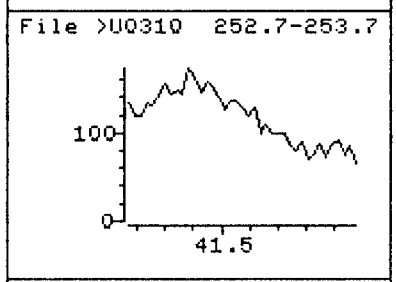
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

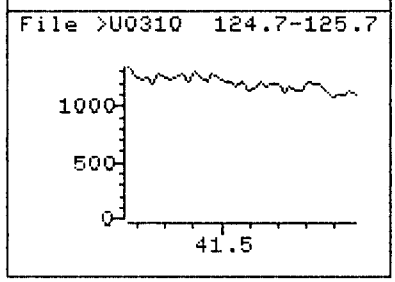


SAMPLE SPECTRUM (UNALTERED)







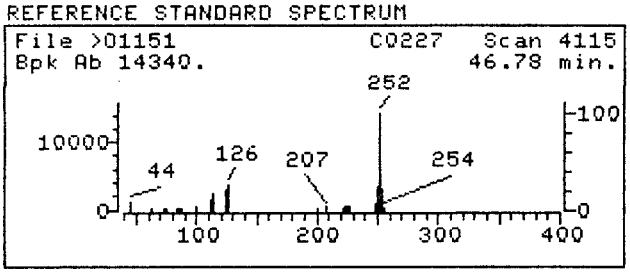


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

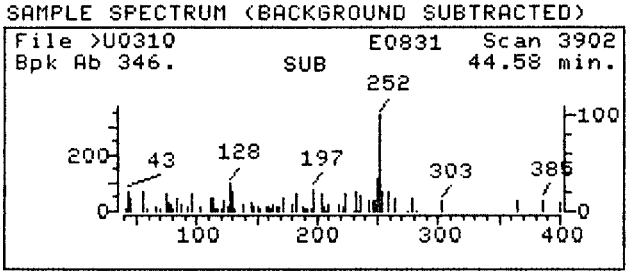
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3605
Retention Time: 41.44 min.
Quant Ion : 252.0
Area : 5201M
Concentration : 3.15 UG/ML

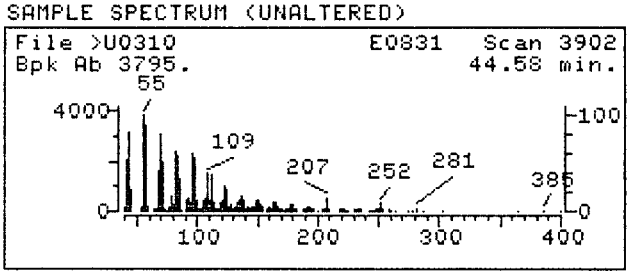
REFERENCE STANDARD SPECTRUM

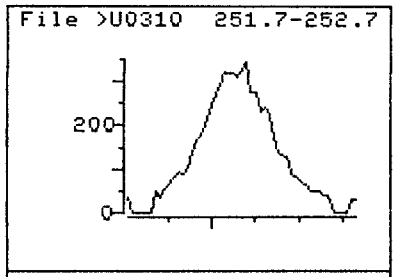


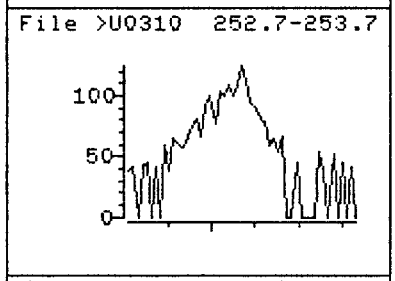
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

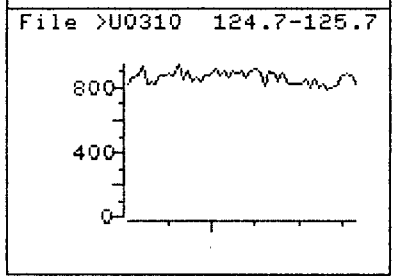


SAMPLE SPECTRUM (UNALTERED)







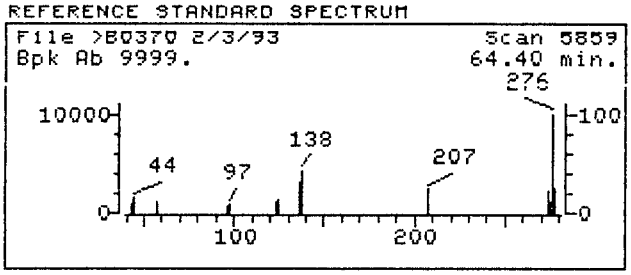


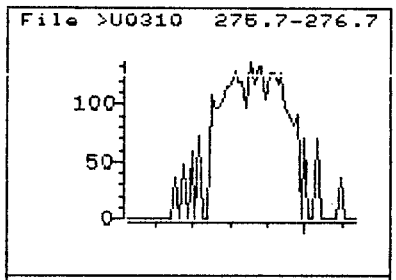
Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

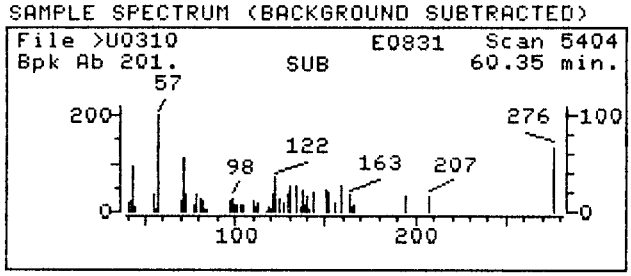
Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3902
Retention Time: 44.58 min.
Quant Ion : 252.0
Area : 4023M
Concentration : 3.11 UG/ML

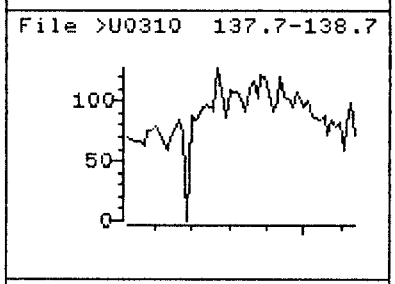
REFERENCE STANDARD SPECTRUM



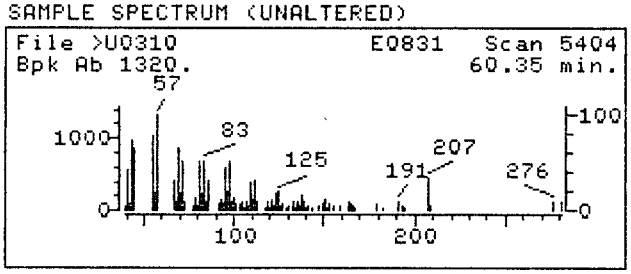


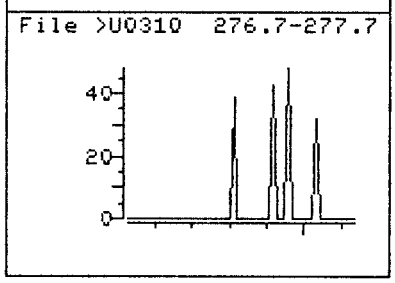
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



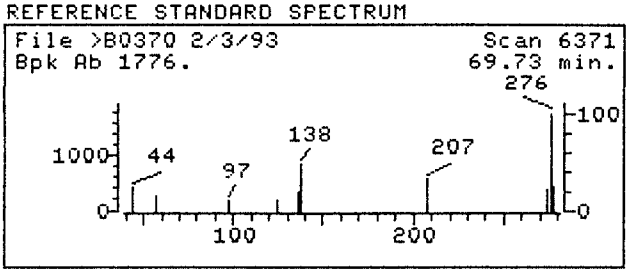


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

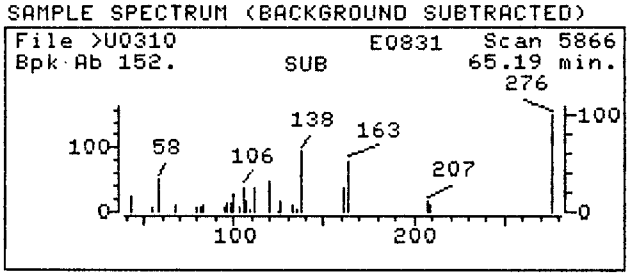
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5404
Retention Time: 60.35 min.
Quant Ion : 276.0
Area : 1862M
Concentration : 2.43 UG/ML

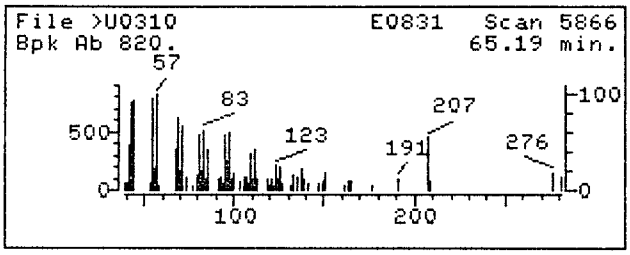
REFERENCE STANDARD SPECTRUM

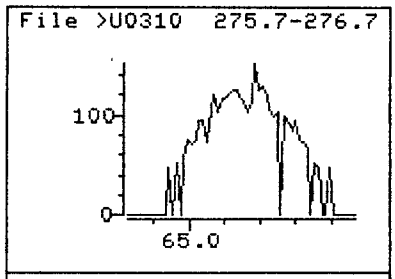


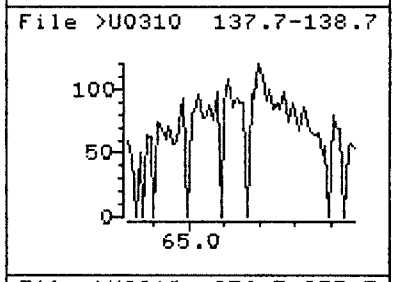
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

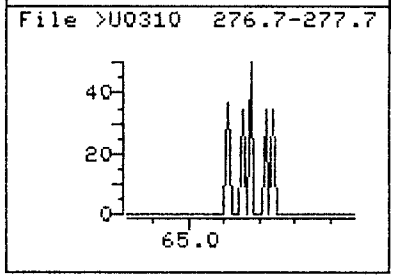


SAMPLE SPECTRUM (UNALTERED)







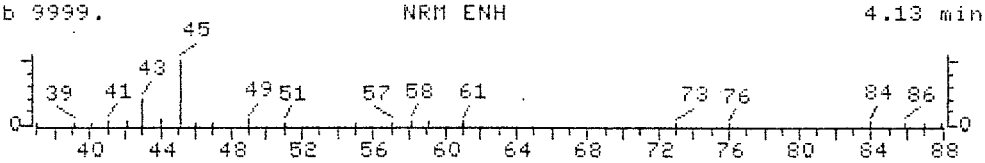


Data File: >U0310
Name: E0831-02
Misc: SL-04 50.588G 1ML
Quant Time: 940906 13:50
Injected at: 940905 21:33
Last Qcal Time: 940905 11:50

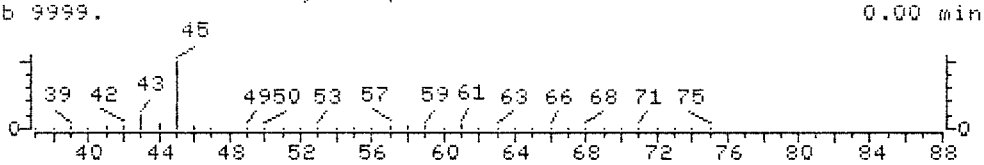
Quant Output File: ^U0310::A5
Instrument ID: MACH-2
BTL#11
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 78
Compound Name : Benzo(g,h,i)perylene
Scan Number : 5866
Retention Time: 65.19 min.
Quant Ion : 276.0
Area : 2244M
Concentration : 3.23 UG/ML

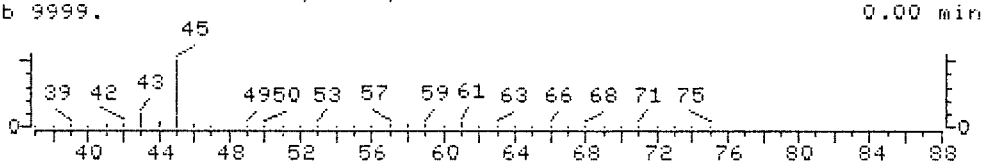
File >U0310 E0831-02SL-04 50.588G 1ML Scan 62
Bpk Ab 9999. NRM ENH 4.13 min.



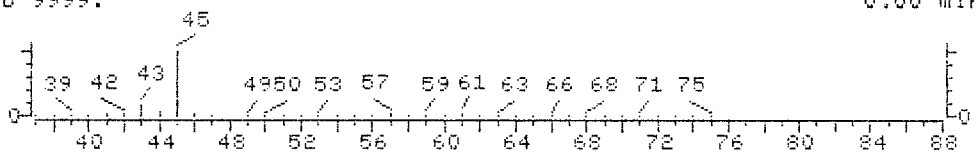
File >BIGDB 1,2-Propanediol (8CI9CI) Scan 337
Bpk Ab 9999. 0.00 min.



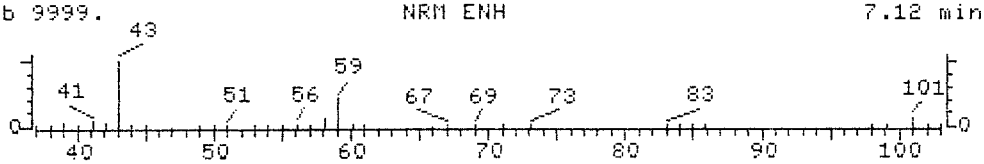
File >BIGDB 1,2-Propanediol (8CI9CI) Scan 337
Bpk Ab 9999. 0.00 min.



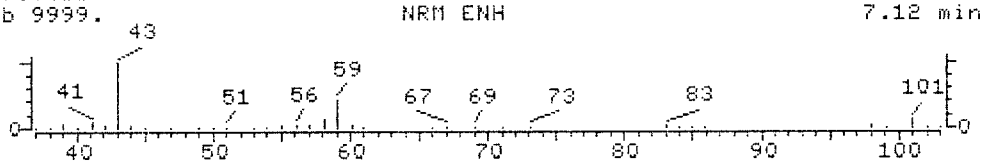
File >BIGDB 1,2-Propanediol (8CI9CI) Scan 337
Bpk Ab 9999. 0.00 min.



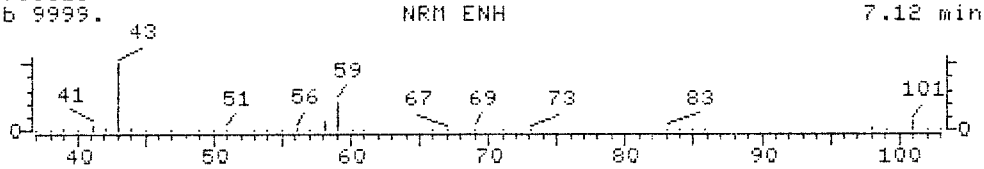
File >U0310 E0831-02SL-04 50.588G 1ML Scan 350
Bpk Ab 9999. NRM ENH 7.12 min.



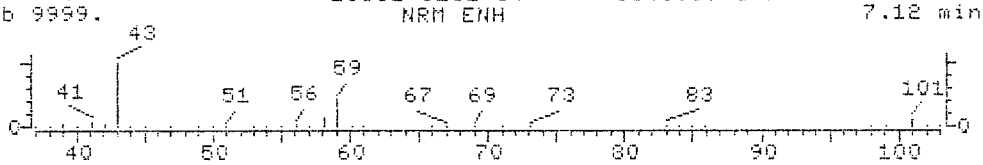
File >U0310 E0831-02SL-04 50.588G 1ML Scan 350
Bpk Ab 9999. NRM ENH 7.12 min.



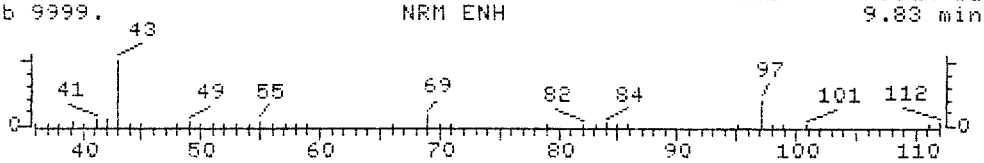
File >U0310 E0831-02SL-04 50.588G 1ML Scan 350
Bpk Ab 9999. NRM ENH 7.12 min.



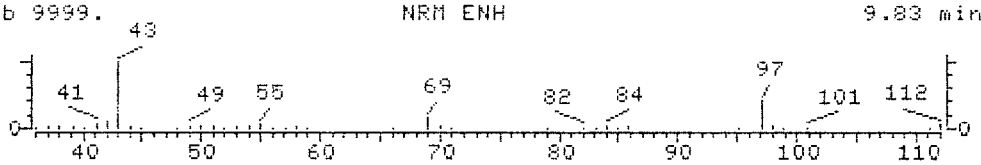
File >U0310 E0831-02SL-04 50.588G 1ML Scan 350
Bpk Ab 9999. NRM ENH 7.12 min.



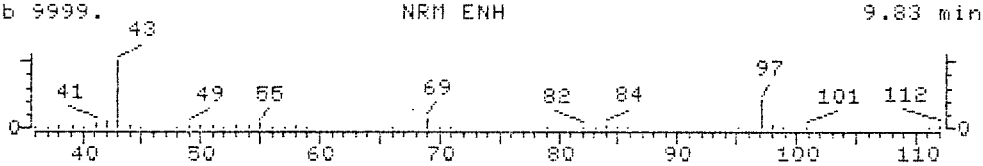
File >U0310 E0831-02SL-04 50.588G 1ML Scan 610
Bpk Ab 9999. NRM ENH 9.83 min.



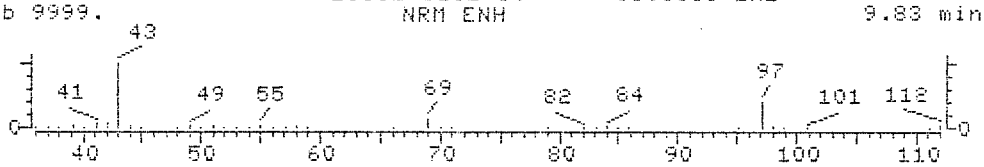
File >U0310 E0831-02SL-04 50.588G 1ML Scan 610
Bpk Ab 9999. NRM ENH 9.83 min.



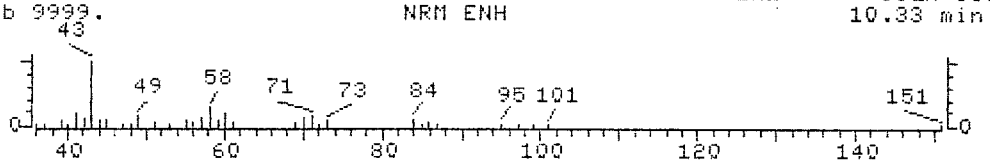
File >U0310 E0831-02SL-04 50.588G 1ML Scan 610
Bpk Ab 9999. NRM ENH 9.83 min.



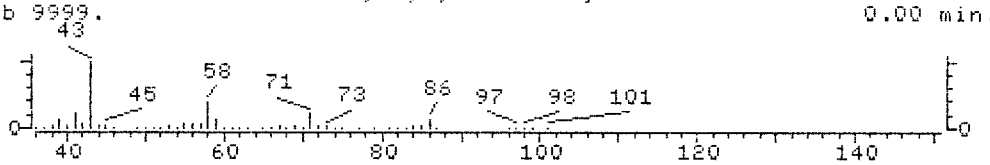
File >U0310 E0831-02SL-04 50.588G 1ML Scan 610
Bpk Ab 9999. NRM ENH 9.83 min.



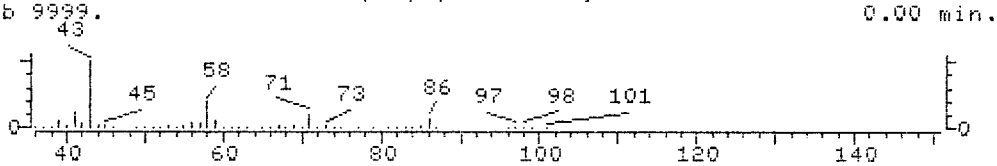
File >UQ310 E0831-02SL-04 50.5886 1ML Scan 658
Bpk Ab 9999. NRM ENH 10.33 min.



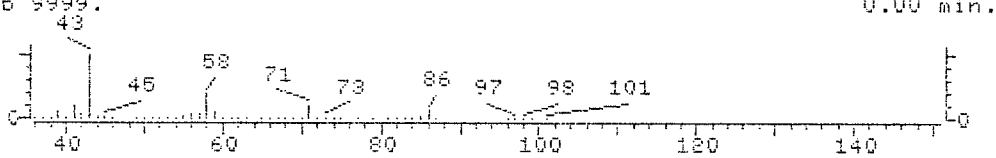
File >BIGDB 3-Oxetanol, 2,2,3-trimethyl- (9CI) Scan 1333
Bpk Ab 9999. 0.00 min.



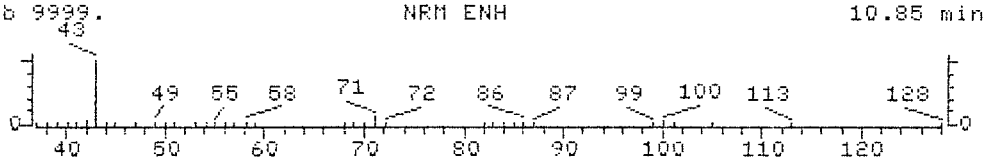
File >BIGDB 3-Oxetanol, 2,2,3-trimethyl- (9CI) Scan 1333
Bpk Ab 9999. 0.00 min.



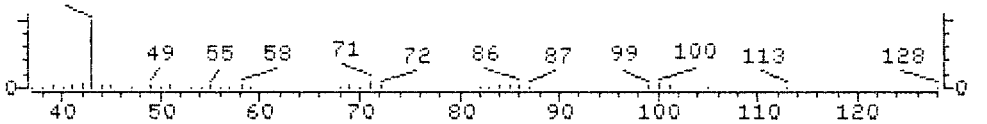
File >BIGDB 3-Oxetanol, 2,2,3-trimethyl- (9CI) Scan 1333
Bpk Ab 9999. 0.00 min.



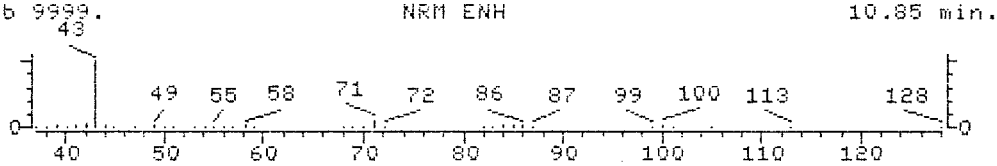
File >U0310 E0831-02SL-04 50.588G 1ML Scan 708
Bpk Ab 9999. NRM ENH 10.85 min.



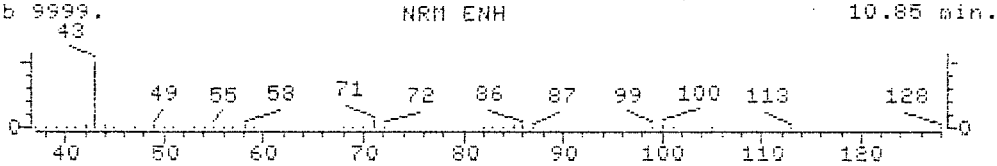
File >U0310 E0831-02SL-04 50.588G 1ML Scan 708
Bpk Ab 9999. NRM ENH 10.85 min.



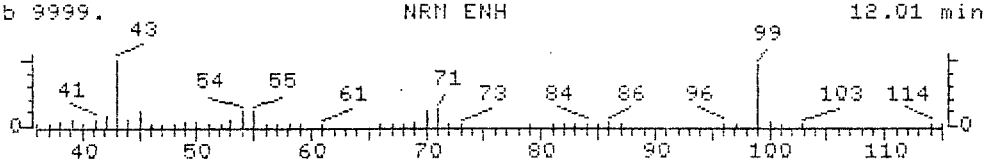
File >U0310 E0831-02SL-04 50.588G 1ML Scan 708
Bpk Ab 9999. NRM ENH 10.85 min.



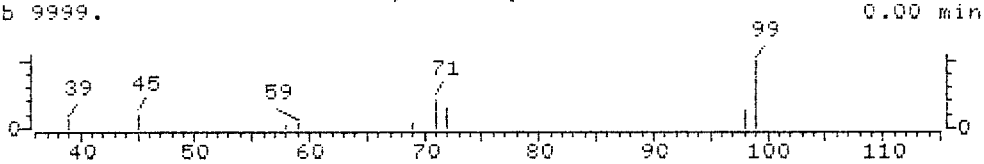
File >U0310 E0831-02SL-04 50.588G 1ML Scan 708
Bpk Ab 9999. NRM ENH 10.85 min.



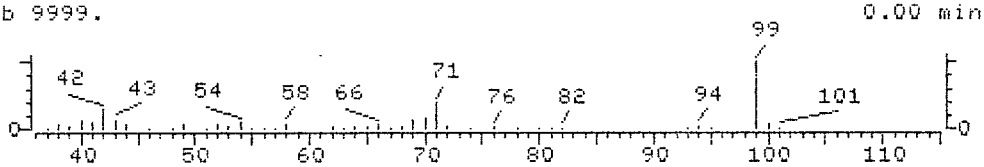
File >U0310 E0831-02SL-04 50.5886 1ML Scan 820
Bpk Ab 9999. NRN ENH 12.01 min.



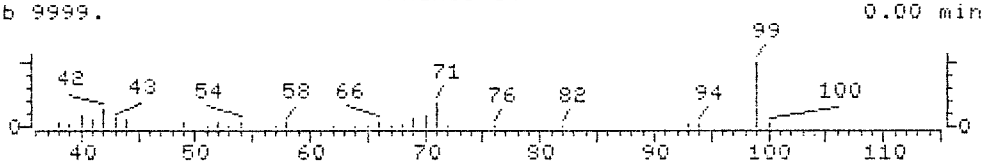
File >BIGDB Isothiazole, 4-methyl- (8CI9CI) Scan 8721
Bpk Ab 9999. 0.00 min.



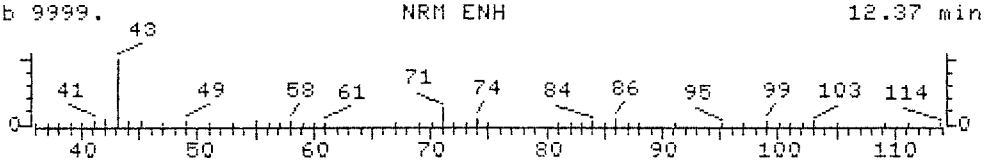
File PRIPOL Phenol-d5 Scan 442
Bpk Ab 9999. 0.00 min.



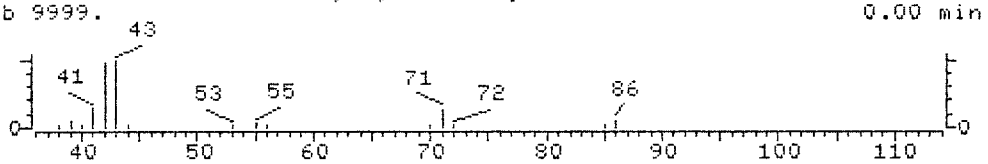
File PRIPOL Phenol-d5 Scan 452
Bpk Ab 9999. 0.00 min.



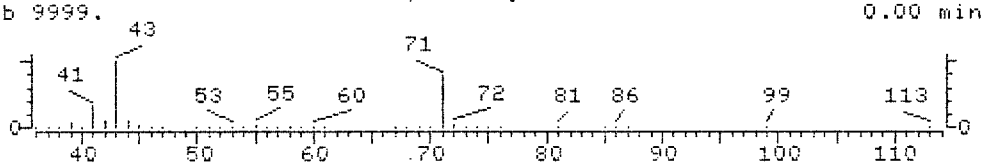
File >U0310 E0831-02SL-04 50.5886 1ML Scan 854
Bpk Ab 9999. NRM ENH 12.37 min.



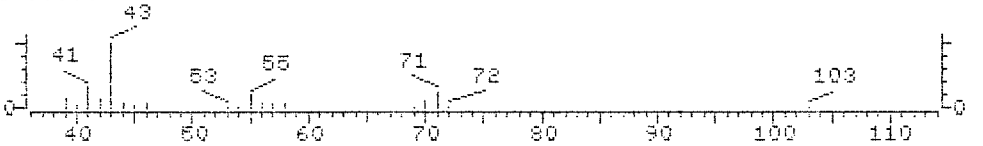
File >BIGDB Butane, 2,3-dimethyl- (8CI9CI) Scan 6298
Bpk Ab 9999. 0.00 min.



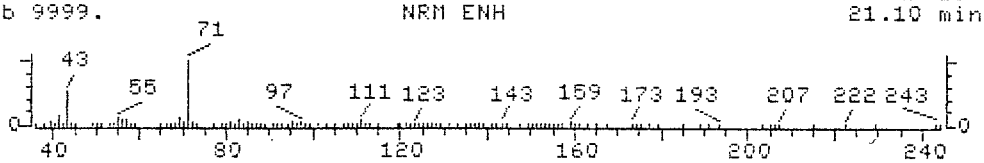
File >BIGDB Butanoic acid, ethenyl ester (9CI) Scan 3964
Bpk Ab 9999. 0.00 min.



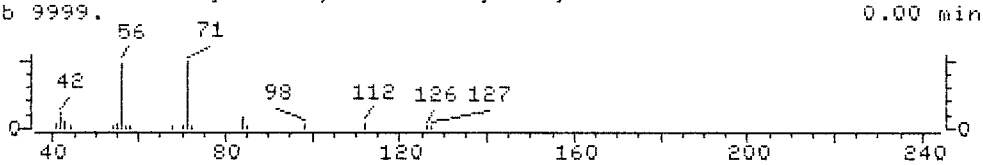
File >BIGDB Hydroxylamine, O-(3-methylbutyl)- (9CI) Scan 3875
Bpk Ab 9999. 0.00 min.



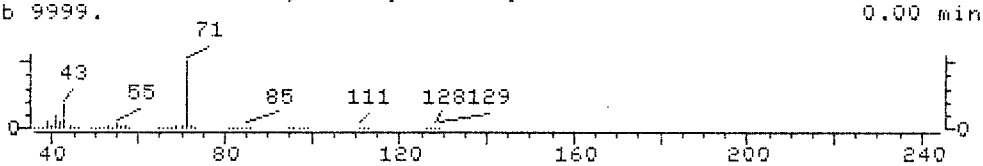
File >U0310 E0831-02SL-04 50.588G 1ML Scan 1691
Bpk Ab 9999. NRM ENH 21.10 min.



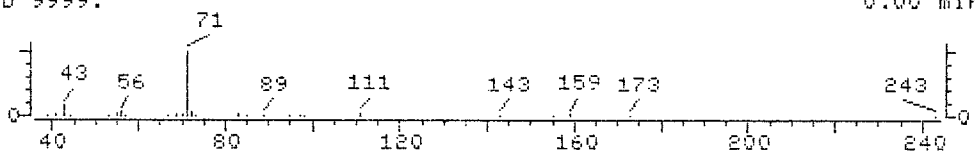
File >BIGDB Methylamine, N-(1-methylhexylidene)- (8CI) Scan 3945
Bpk Ab 9999. 0.00 min.



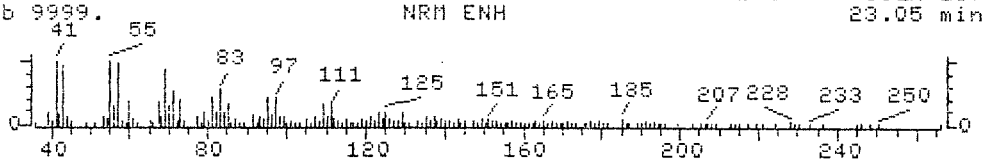
File >BIGDB Furan, 2-butyltetrahydro- (8CI9CI) Scan 3884
Bpk Ab 9999. 0.00 min.



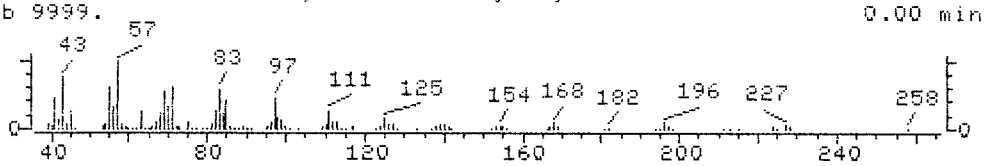
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.



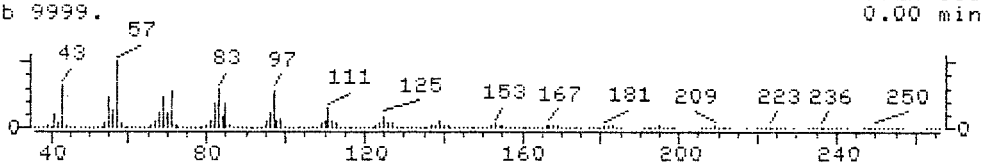
File >U0310 E0831-02SL-04 50.5986 1ML Scan 1877
Bpk Ab 9999. NRM ENH 23.05 min.



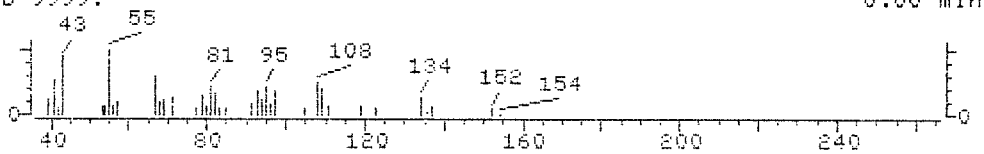
File >BIGDB Ethanol, 2-(tetradecyloxy)- (8CI9CI) Scan 8450
Bpk Ab 9999. 0.00 min.



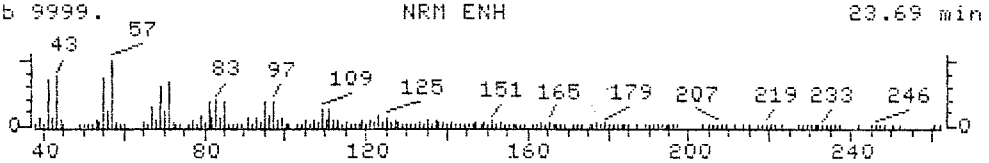
File >BIGDB 1-Hentetracontanol (9CI) Scan 8384
Bpk Ab 9999. 0.00 min.



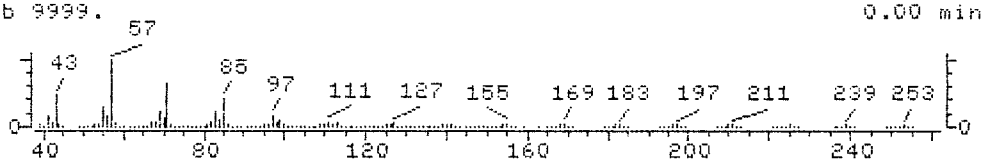
File >BIGDB Bicyclo[3.3.1]nonan-9-ol, 9-methyl- (8CI9CI) Scan 10443
Bpk Ab 9999. 0.00 min.



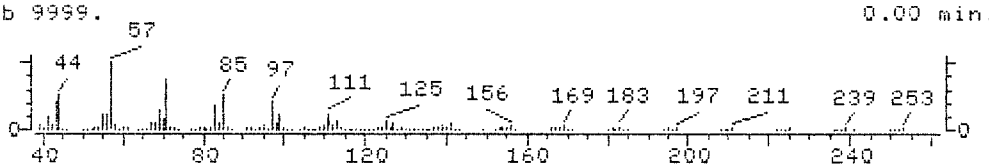
File >U0310 E0831-02SL-04 50.5880 1ML Scan 1937
Bpk Ab 9999. NRM ENH 23.69 min.



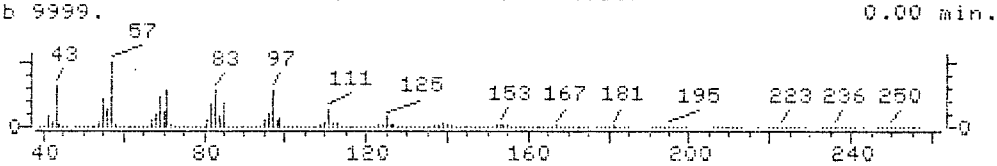
File >BIGDB Tritetracontane (8CI9CI) Scan 6150
Bpk Ab 9999. 0.00 min.



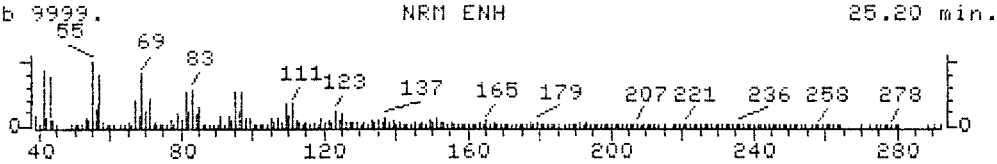
File >BIGDB Nonahexacontanoic acid (9CI) Scan 8975
Bpk Ab 9999. 0.00 min.



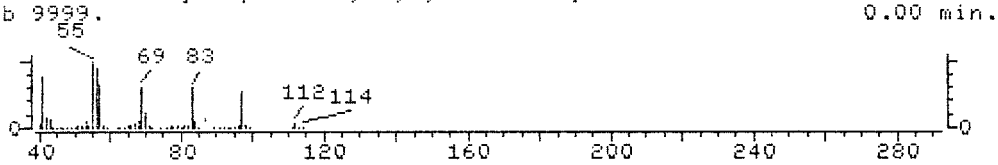
File >BIGDB 1-Hentetracontanol (9CI) Scan 8384
Bpk Ab 9999. 0.00 min.



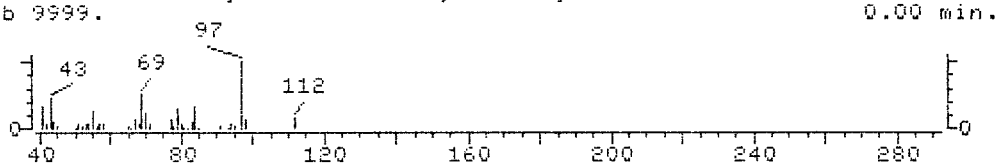
File >UQ310 E0831-02SL-04 50.5886 1ML Scan 2080
Bpk Ab 9999. NRM ENH 25.20 min.



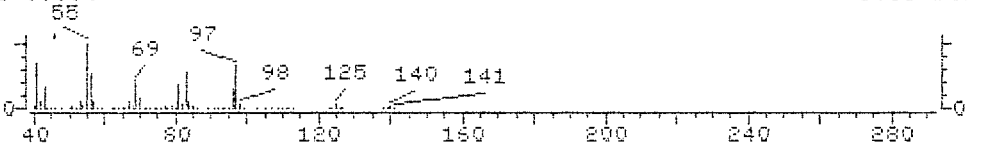
File >BIGDB Cyclopentane, 1,1,3-trimethyl- (8CI9CI) Scan 8270
Bpk Ab 9999. 0.00 min.



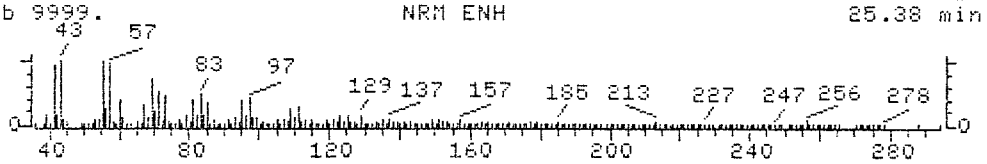
File >BIGDB 2-Cyclohexen-1-ol, 1-methyl- (8CI9CI) Scan 8277
Bpk Ab 9999. 0.00 min.



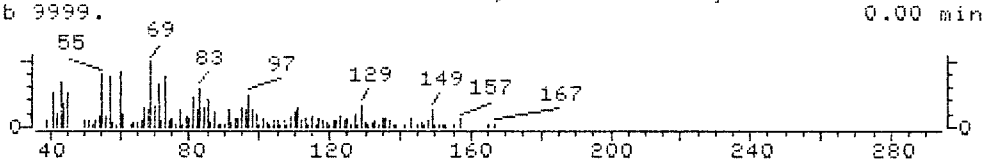
File >BIGDB Cyclopentane, 2-isopropyl-1,3-dimethyl- (8CI) Scan 8299
Bpk Ab 9999. 0.00 min.



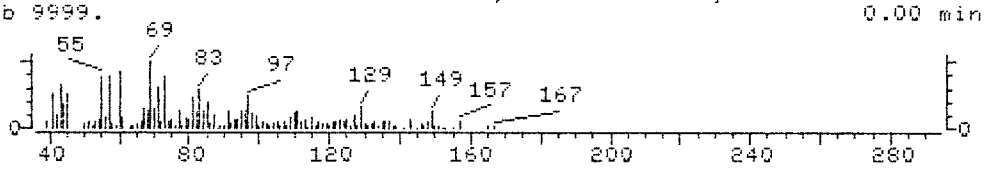
File >U0310 E0831-02SL-04 50.588G 1ML Scan 2097
Bpk Ab 9999. NRM ENH 25.38 min.



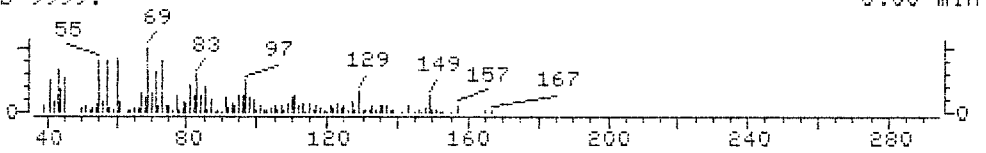
File >BIGDB Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) este Scan 1973
Bpk Ab 9999. 0.00 min.



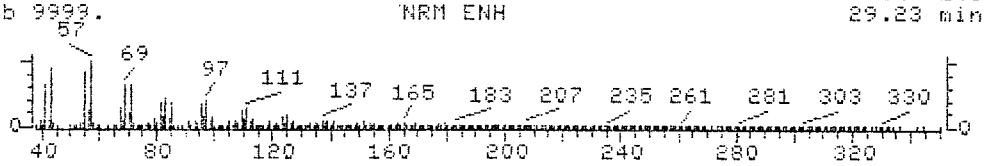
File >BIGDB Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) este Scan 1973
Bpk Ab 9999. 0.00 min.



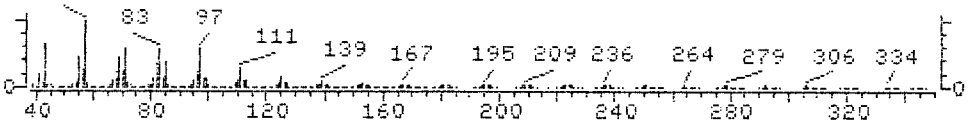
File >BIGDB Thiosulfuric acid (H2S2O3), S-(2-aminoethyl) este Scan 1973
Bpk Ab 9999. 0.00 min.



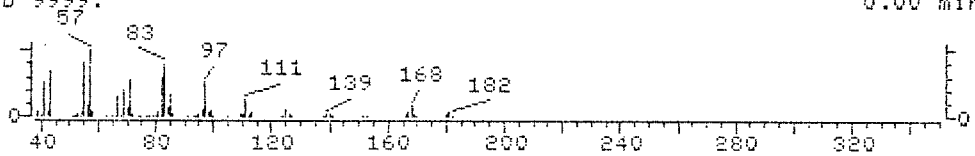
File >U0310 E0831-02SL-04 50.5886 1ML Scan 2458
Bpk Ab 9999. NRM ENH 29.23 min.



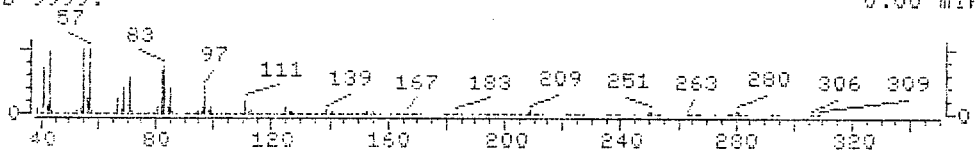
File >BIGDB 1-Hentetracontanol (9CI) Scan 8384
Bpk Ab 9999. 0.00 min.

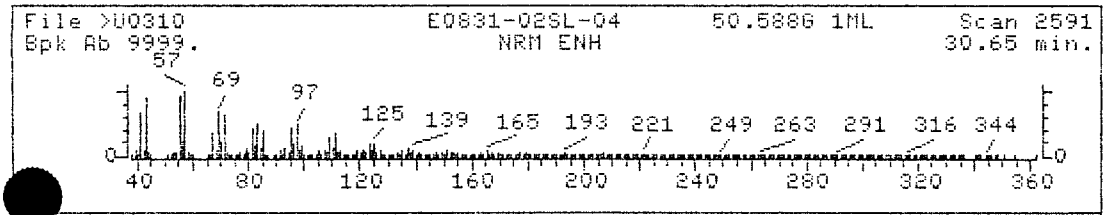


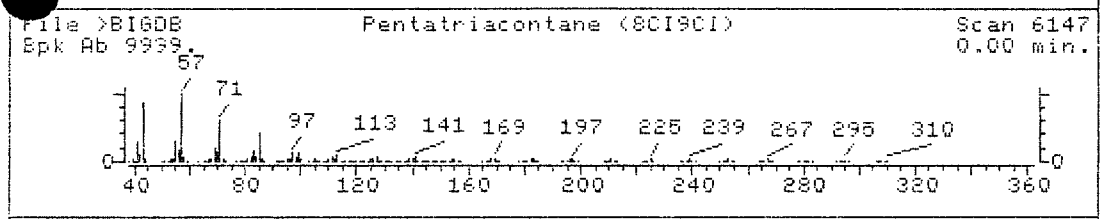
File >BIGDB Dodecane 6-cyclohexyl-, 6-cyclohexyl- (8CI) Scan 8408
Bpk Ab 9999. 0.00 min.

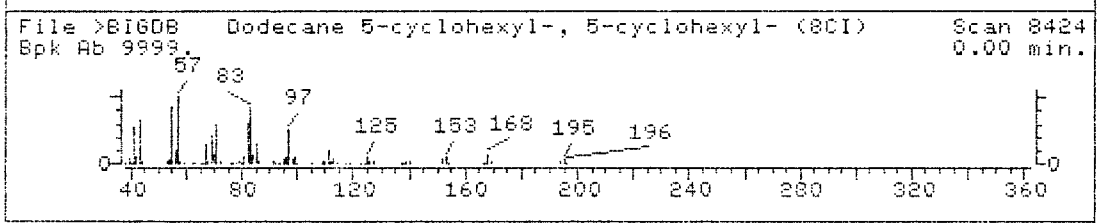


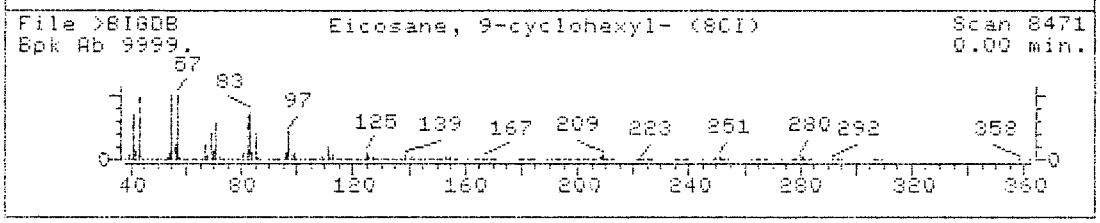
File >BIGDB Eicosane, 9-cyclohexyl- (8CI) Scan 8471
Bpk Ab 9999. 0.00 min.



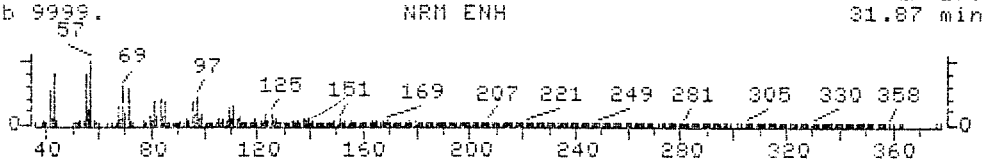

File >U0310
Bpk Ab 9999.
E0831-02SL-04
NRM ENH
50.5886 1ML
Scan 2591
30.65 min.
57 69 97 125 139 165 193 221 249 263 291 316 344
40 80 120 160 200 240 280 320 360


File >BIGDB
Bpk Ab 9999.
Pentatriacontane (8CI9CI)
Scan 6147
0.00 min.
57 71 97 113 141 169 197 225 239 267 295 310
40 80 120 160 200 240 280 320 360

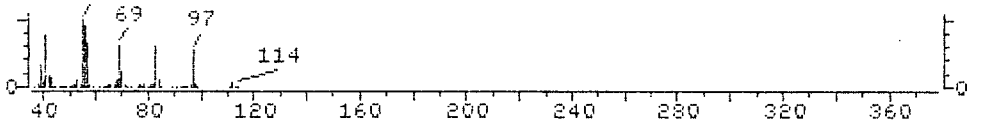

File >BIGDB
Bpk Ab 9999.
Dodecane 5-cyclohexyl-, 5-cyclohexyl- (8CI)
Scan 8424
0.00 min.
57 83 97 125 153 168 195 196
40 80 120 160 200 240 280 320 360


File >BIGDB
Bpk Ab 9999.
Eicosane, 9-cyclohexyl- (8CI)
Scan 8471
0.00 min.
57 83 97 125 139 167 209 223 251 280 292 352
40 80 120 160 200 240 280 320 360

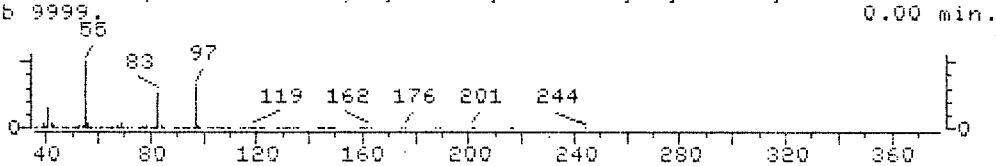
File >U0310 E0931-02SL-04 50.5886 1ML Scan 2706
Bpk Ab 9999. NRM ENH 31.87 min.



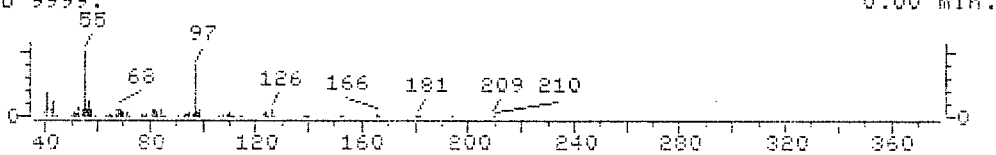
File >BIGDB Cyclopentane, 1,1,3-trimethyl- (8CI9CI) Scan 8270
Bpk Ab 9999. 0.00 min.



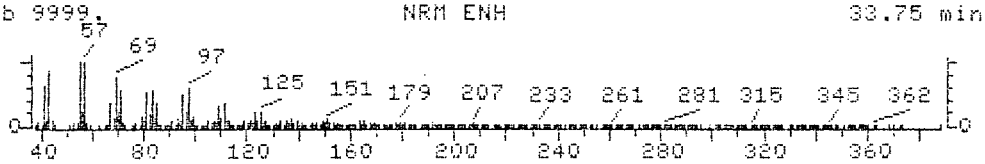
File >BIGDB Propanedinitrile, cyclohexyl(2-methylcyclohexyl)- Scan 8229
Bpk Ab 9999. 0.00 min.



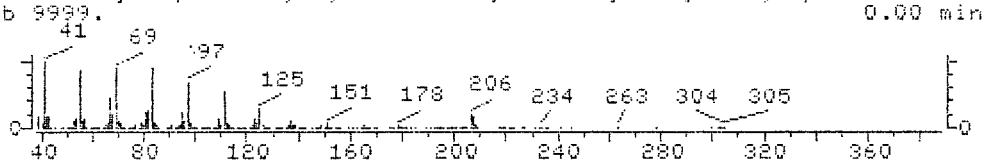
File >BIGDB 2-Aziridinone, 1-tert-butyl-3-(1-methylcyclohexyl Scan 8382
Bpk Ab 9999. 0.00 min.



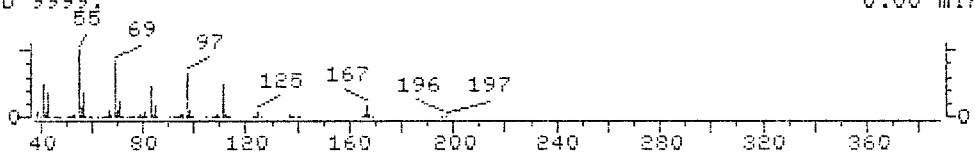
File >U0310 E0831-02SL-04 80.5880 1ML Scan 2882
Bpk Ab 9999. NRM ENH 33.75 min.



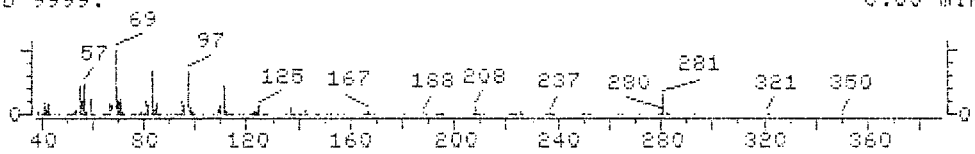
File >BIGDB Cyclopentane, 1,1'-[3-(2-cyclopentylethyl)-1,5-pe Scan 25329
Bpk Ab 9999. 0.00 min.



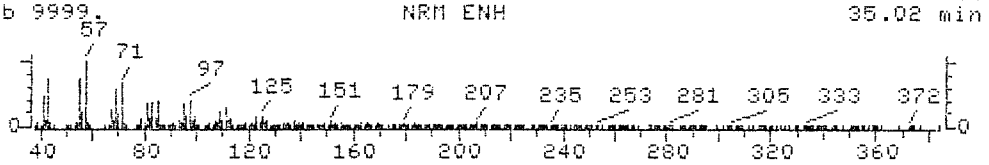
File >BIGDB Cyclohexane, 1,2,4,5-tetraethyl-, (1.alpha.,2.alp Scan 10718
Bpk Ab 9999. 0.00 min.



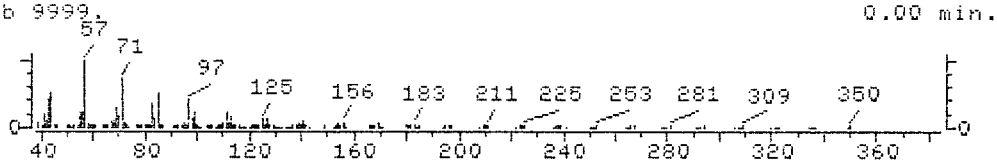
File >BIGDB 1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluorom Scan 32178
Bpk Ab 9999. 0.00 min.



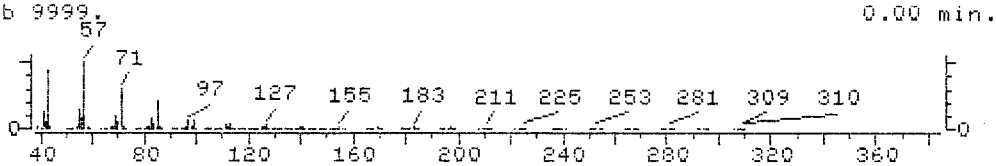
File >U0310 E0831-028L-04 50.588G 1ML Scan 3001
Bpk Ab 9999. NRM ENH 35.02 min.



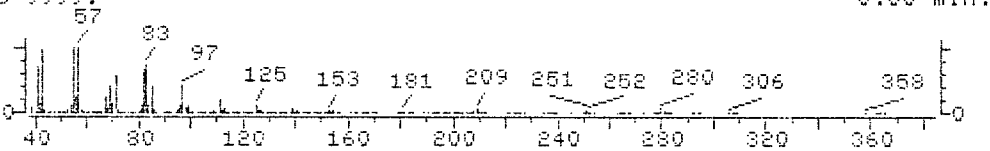
File >BIGDB Nonahexacontanoic acid (9CI) Scan 8975
Bpk Ab 9999. 0.00 min.



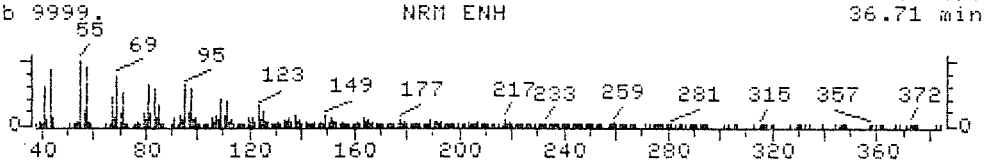
File >BIGDB Pentatriacontane (8CI9CI) Scan 6147
Bpk Ab 9999. 0.00 min.



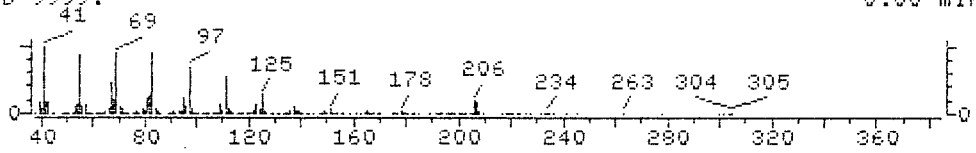
File >BIGDB Eicosane, 9-cyclohexyl- (8CI) Scan 8471
Bpk Ab 9999. 0.00 min.



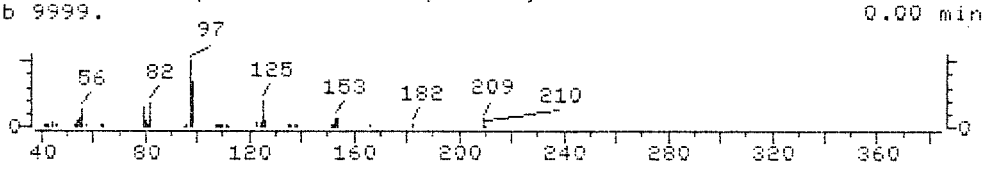
File >U0310 E0831-02SL-04 50.5886 1ML Scan 3159
Bpk Ab 9999. NRM ENH 36.71 min.



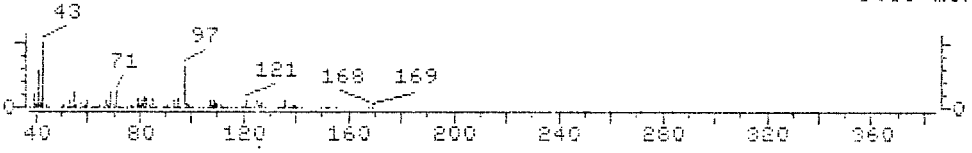
File >BIGDB Cyclopentane, 1,1'-[3-(2-cyclopentylethyl)-1,5-pe Scan 25329
Bpk Ab 9999. 0.00 min.



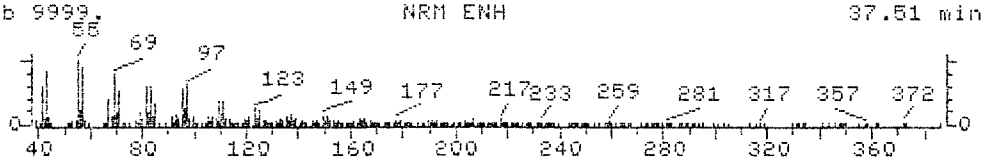
File >BIGDB Phosphoramidic acid, dibutyl ester (8CI9CI) Scan 13135
Bpk Ab 9999. 0.00 min.



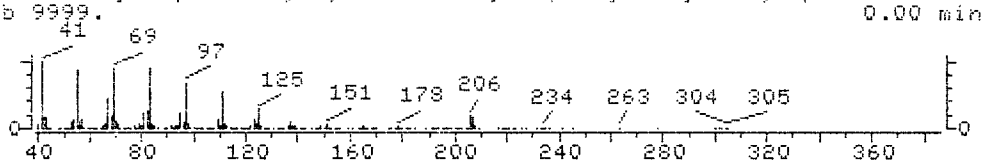
File >BIGDB 2,3-Dioxabicyclo[2.2.2]oct-5-ene, 1-methyl-4-(1-m Scan 8327
Bpk Ab 9999. 0.00 min.



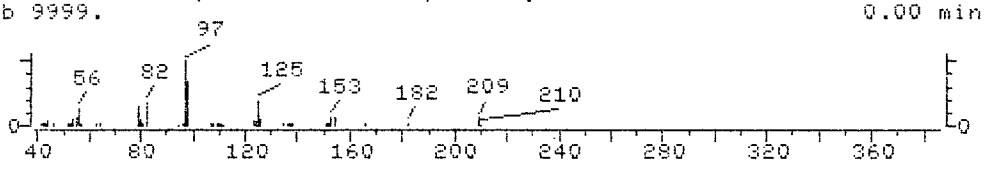
File >U0310 E0831-02SL-04 50.588G 1ML Scan 3234
Bpk Ab 9999. NRM ENH 37.51 min.



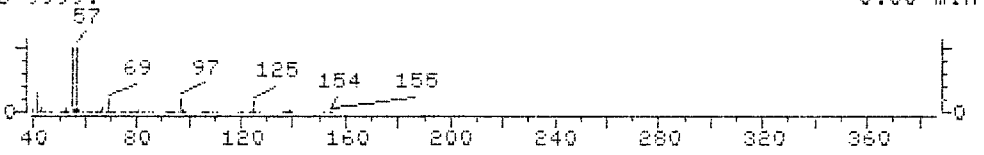
File >BIGDB Cyclopentane, 1,1'-[3-(2-cyclopentylethyl)-1,5-pe Scan 25329
Bpk Ab 9999. 0.00 min.



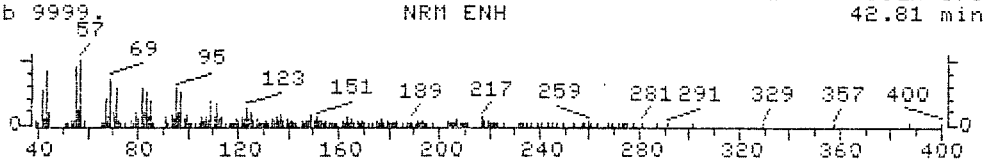
File >BIGDB Phosphoramidic acid, dibutyl ester (8CI9CI) Scan 13135
Bpk Ab 9999. 0.00 min.



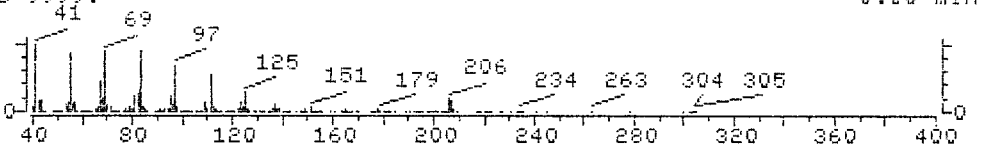
File >BIGDB 5-Hepten-3-one, 5-ethyl-4-methyl- (9CI) Scan 13010
Bpk Ab 9999. 0.00 min.



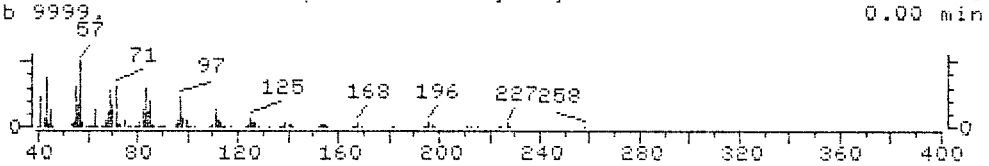
File >U0310 E0831-02SL-04 50.5886 1ML Scan 3734
Bpk Ab 9999. NRM ENH 42.81 min.



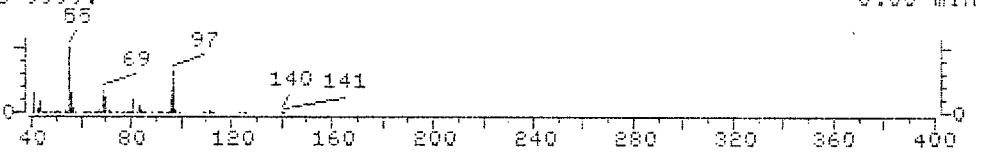
File >BIGDB Cyclopentane, 1,1'-[3-(2-cyclopentylethyl)-1,5-pe Scan 25329
Bpk Ab 9999. 0.00 min.



File >BIGDB Ethanol, 2-(tetradecyloxy)- (8CI9CI) Scan 8450
Bpk Ab 9999. 0.00 min.



File >BIGDB Cyclopentane, 1,2-dimethyl-3-(1-methylethyl)- (9C Scan 8206
Bpk Ab 9999. 0.00 min.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04RE

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0807

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	225	U
111-44-4	bis(2-Chloroethyl)ether	225	U
95-57-8	2-Chlorophenol	225	U
1-73-1	1,3-Dichlorobenzene	225	U
106-46-7	1,4-Dichlorobenzene	225	U
95-50-1	1,2-Dichlorobenzene	225	U
95-48-7	2-Methylphenol	225	U
108-60-1	2,2'-oxybis(1-Chloropropane)	225	U
106-44-5	4-Methylphenol	225	U
621-64-7	N-Nitroso-di-n-propylamine	225	U
67-72-1	Hexachloroethane	225	U
98-95-3	Nitrobenzene	225	U
78-59-1	Isophorone	225	U
88-75-5	2-Nitrophenol	225	U
105-67-9	2,4-Dimethylphenol	225	U
111-91-1	bis(2-Chloroethoxy)methane	225	U
120-83-2	2,4-Dichlorophenol	225	U
120-82-1	1,2,4-Trichlorobenzene	225	U
91-20-3	Naphthalene	225	U
106-47-8	4-Chloroaniline	225	U
87-68-3	Hexachlorobutadiene	225	U
59-50-7	4-Chloro-3-methylphenol	225	U
91-57-6	2-Methylnaphthalene	225	U
77-47-4	Hexachlorocyclopentadiene	225	U
88-06-2	2,4,6-Trichlorophenol	225	U
95-95-4	2,4,5-Trichlorophenol	561	U
91-58-7	2-Chloronaphthalene	225	U
88-74-4	2-Nitroaniline	561	U
131-11-3	Dimethylphthalate	225	U
08-96-8	Acenaphthylene	225	U
6-20-2	2,6-Dinitrotoluene	225	U
99-09-2	3-Nitroaniline	561	U
83-32-9	Acenaphthene	225	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-04RE

Lab Name: NEW ENGLAND TESTING LABORATORY Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-04RE

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0807

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 12 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	561	U
100-02-7	4-Nitrophenol	561	U
132-64-9	Dibenzofuran	225	U
21-14-2	2,4-Dinitrotoluene	225	U
4-66-2	Diethylphthalate	225	U
7005-72-3	4-chlorophenyl-phenylether	225	U
86-73-7	Fluorene	225	U
100-01-6	4-Nitroaniline	561	U
534-52-1	4,6-Dinitro-2-methylphenol	561	U
86-30-6	N-Nitrosodiphenylamine (1)	225	U
101-55-3	4-Bromophenyl-phenylether	225	U
118-74-1	Hexachlorobenzene	225	U
87-86-5	Pentachlorophenol	561	U
85-01-8	Phenanthrene	225	U
120-12-7	Anthracene	225	U
86-74-8	Carbazole	225	U
84-74-2	Di-n-butylphthalate	243	B
206-44-0	Fluoranthene	225	U
129-00-0	Pyrene	170	J
85-68-7	Butylbenzylphthalate	225	U
91-94-1	3,3'-Dichlorobenzidine	225	U
56-55-3	Benzo(a)anthracene	87	
218-01-9	Chrysene	104	
117-81-7	bis(2-Ethylhexyl)phthalate	222	BJ
117-84-0	Di-n-octylphthalate	225	U
205-99-2	Benzo(b)fluoranthene	197	
207-08-9	Benzo(k)fluoranthene	65	
50-32-8	Benzo(a)pyrene	77	
193-39-5	Indeno(1,2,3-cd)pyrene	54	
53-70-3	Dibenz(a,h)anthracene	34	U
191-24-2	Benzo(g,h,i)perylene	62	J

(1) - Cannot be separated from Diphenylamine

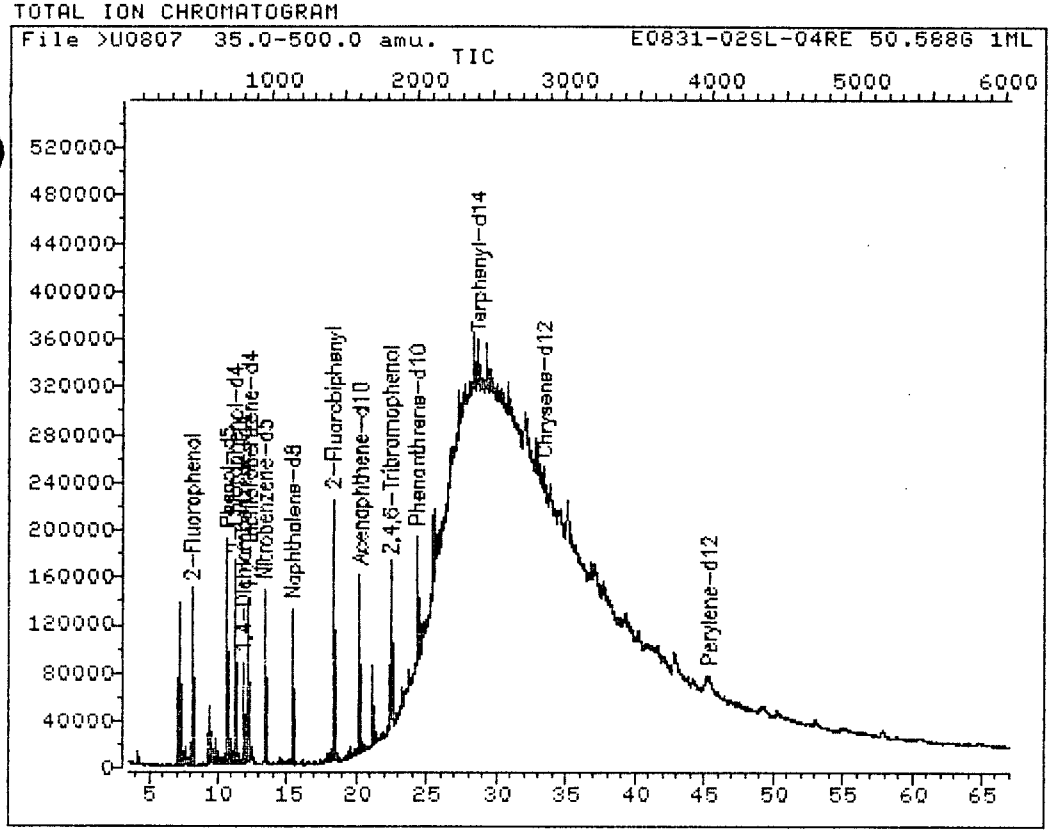
Operator ID: ANDY Quant Rev: 7 Quant Time: 940908 22:11
Output File: ^U0807::A5 Injected at: 940908 21:03
Data File: >U0807::A2 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-04RE 50.588G 1ML BTL# 8

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.76	152.0	38065	20.00	UG/ML	64
2)	2-Fluorophenol	8.03	112.0	107142	54.89	UG/ML	88
3)	Phenol-d5	10.58	99.0	151916	55.71	UG/ML	88
4)	2-Chlorophenol-d4	11.12	132.0	117964	53.50	UG/ML	93
5)	1,2-Dichlorobenzene-d4	12.20	152.0	61721	34.74	UG/ML	57
17)	*Naphthalene-d8	15.33	136.0	146693	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.30	82.0	110772	41.76	UG/ML	51
31)	*Acenaphthene-d10	20.18	164.0	90757	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.25	172.0	185010	38.00	UG/ML	95
51)	*Phenanthrene-d10	24.26	188.0	120547	20.00	UG/ML	99
54)	2,4,6-Tribromophenol	22.32	330.0	68929	63.29	UG/ML	93
61)	Di-n-butylphthalate	25.54	149.0	85629	10.77	UG/ML	97
62)	Fluoranthene	27.59	202.0	8654	1.44	UG/ML	93
63)	*Chrysene-d12	33.37	240.0	33510	20.00	UG/ML	88
64)	Pyrene	28.32	202.0	17527	7.56	UG/ML	97
65)	Terphenyl-d14	28.60	244.0	114480	73.61	UG/ML	81
68)	Benzo(a)anthracene	33.30	228.0	6693	3.87	UG/ML	86
69)	Chrysene	33.52	228.0	6690M	4.61	UG/ML	89
70)	bis(2-Ethylhexyl)phthalate	32.80	149.0	14806	9.89	UG/ML	85
71)	*Perylene-d12	45.34	264.0	20341	20.00	UG/ML	91
72)	Di-n-octylphthalate	37.58	149.0	1873	1.23	UG/ML	100
73)	Benzo(b)fluoranthene	41.33	252.0	8872M	8.76	UG/ML	
74)	Benzo(k)fluoranthene	41.56	252.0	2979M	2.91	UG/ML	
75)	Benzo(a)pyrene	44.71	252.0	2987M	3.42	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	60.66	276.0	1789M	2.39	UG/ML	
78)	Benzo(g,h,i)perylene	65.51	276.0	2084M	2.75	UG/ML	31

* Compound is ISTD

TOTAL ION CHROMATOGRAM

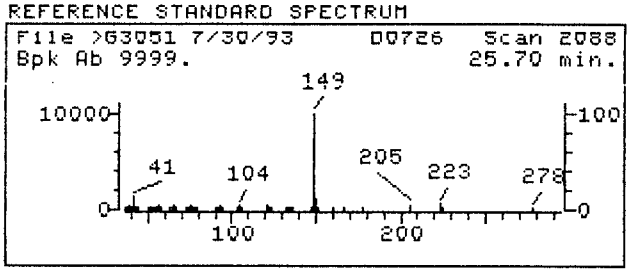


Data File: >U0807 Quant Output File: ^U0807::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-04RE 50.588G 1ML BTL# 8

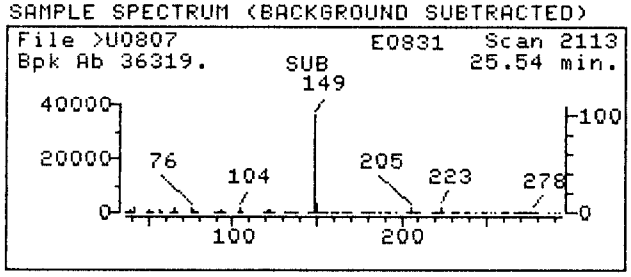
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940908 22:11
Injected at: 940908 21:03

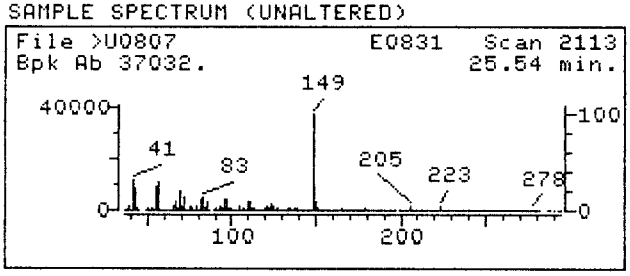
REFERENCE STANDARD SPECTRUM

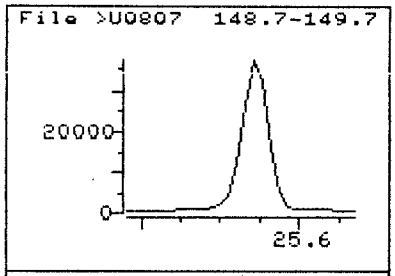


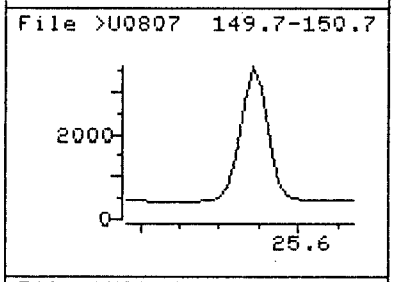
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

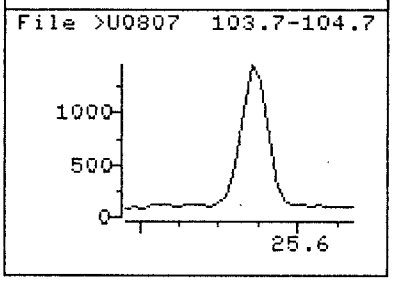


SAMPLE SPECTRUM (UNALTERED)







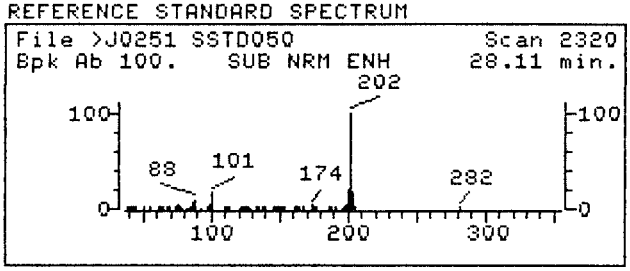


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

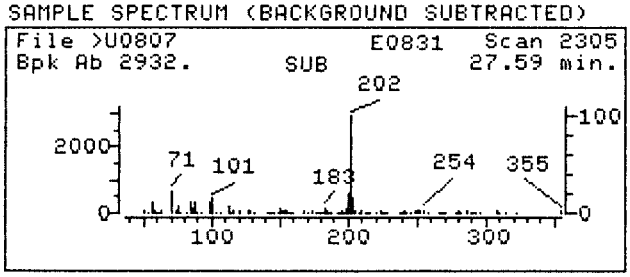
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2113
Retention Time: 25.54 min.
Quant Ion : 149.0
Area : 85629
Concentration : 10.77 UG/ML
q-value : 97

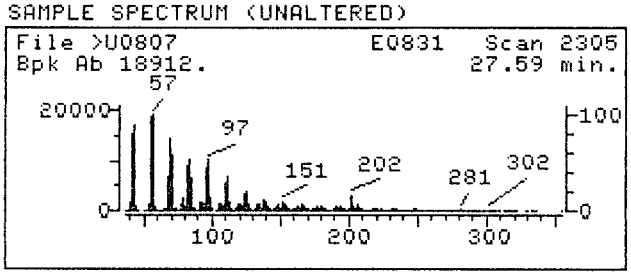
REFERENCE STANDARD SPECTRUM

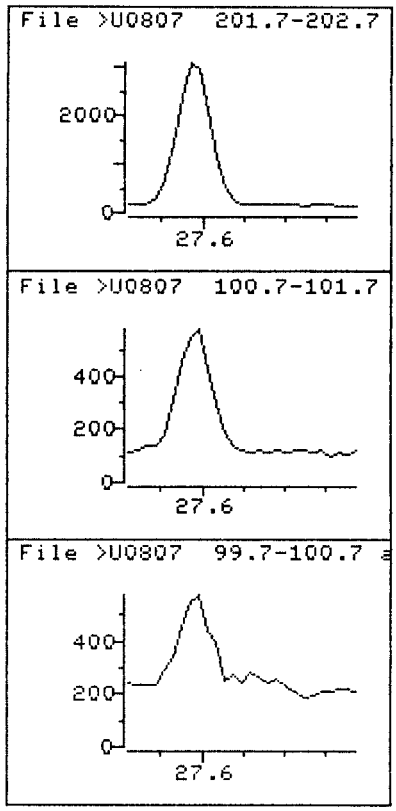


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



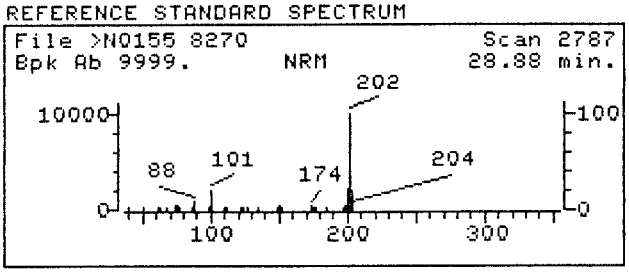


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

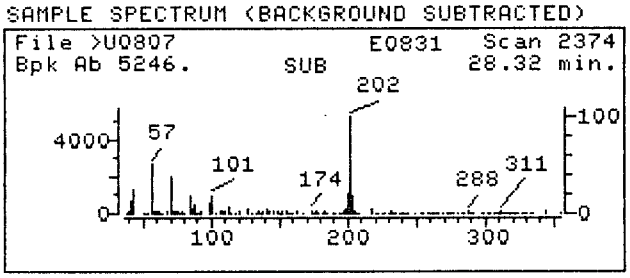
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2305
Retention Time: 27.59 min.
Quant Ion : 202.0
Area : 8654
Concentration : 1.44 UG/ML
q-value : 93

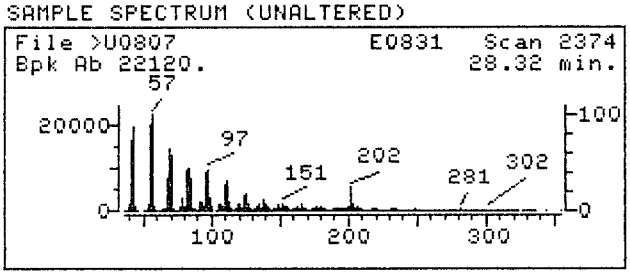
REFERENCE STANDARD SPECTRUM

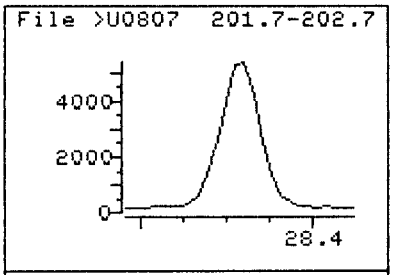


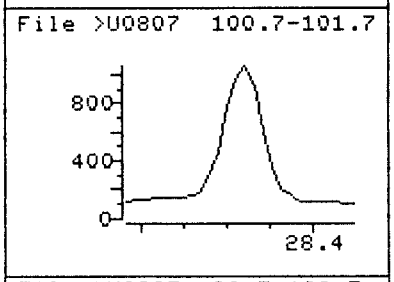
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

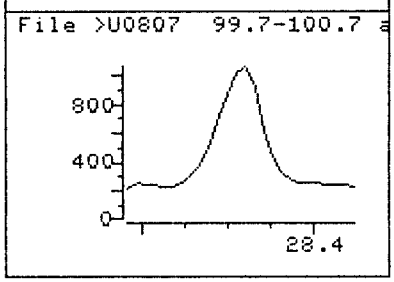


SAMPLE SPECTRUM (UNALTERED)







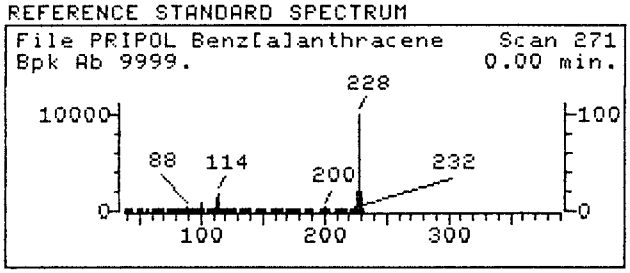


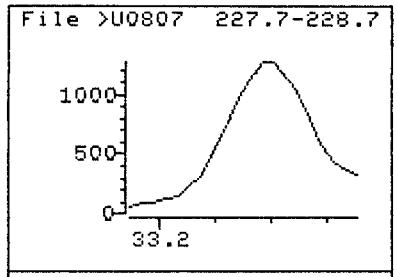
Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

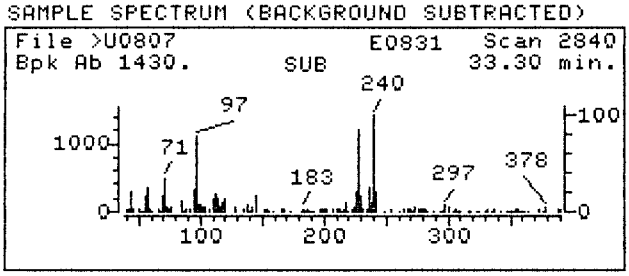
Compound No : 64
Compound Name : Pyrene
Scan Number : 2374
Retention Time: 28.32 min.
Quant Ion : 202.0
Area : 17527
Concentration : 7.56 UG/ML
q-value : 97

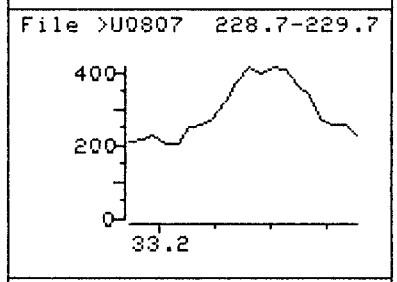
REFERENCE STANDARD SPECTRUM



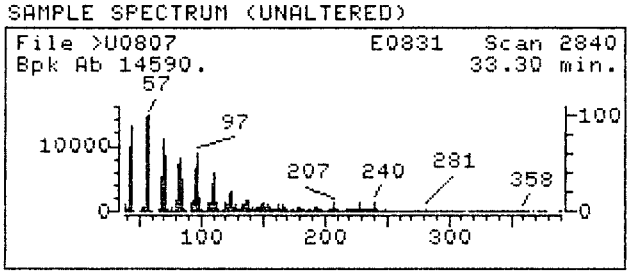


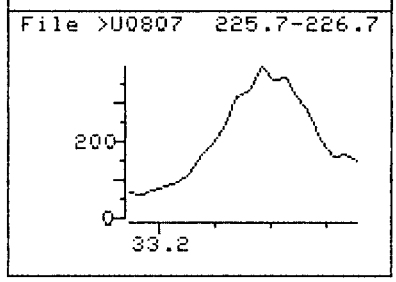
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



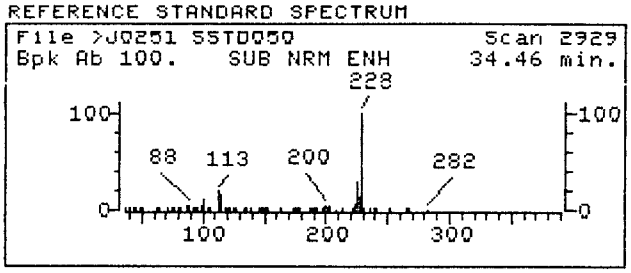


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

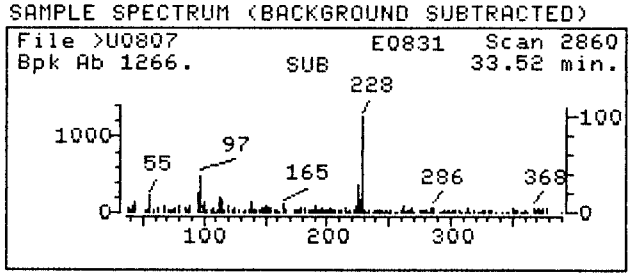
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2840
Retention Time: 33.30 min.
Quant Ion : 228.0
Area : 6693
Concentration : 3.87 UG/ML
q-value : 86

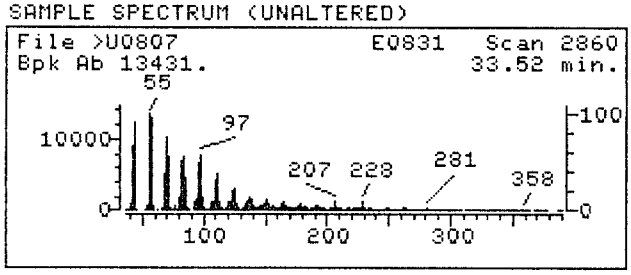
REFERENCE STANDARD SPECTRUM

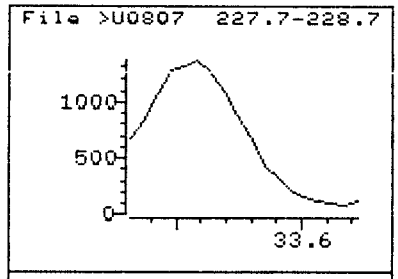


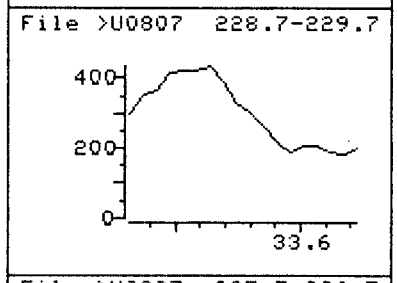
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

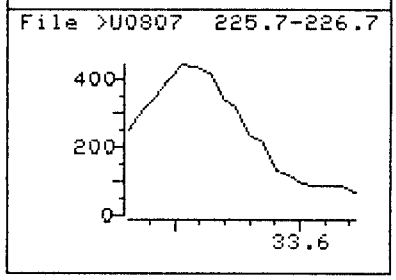


SAMPLE SPECTRUM (UNALTERED)







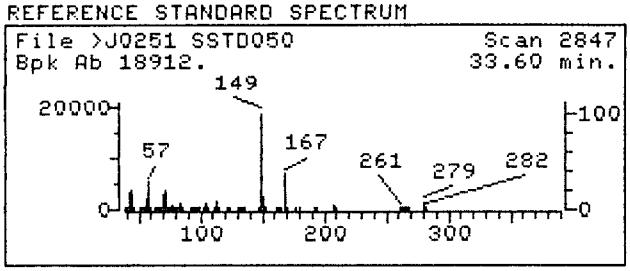


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

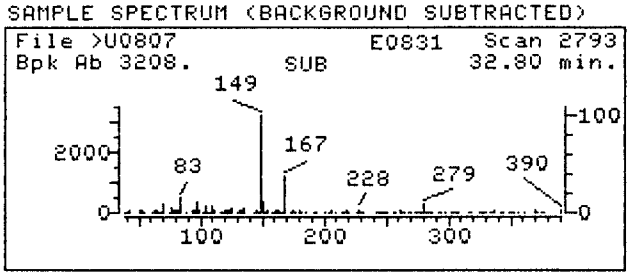
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2860
Retention Time: 33.52 min.
Quant Ion : 228.0
Area : 6690M
Concentration : 4.61 UG/ML
q-value : 89

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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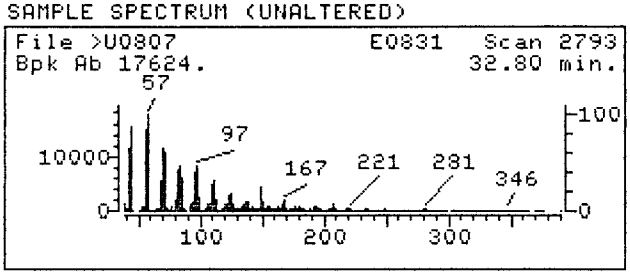
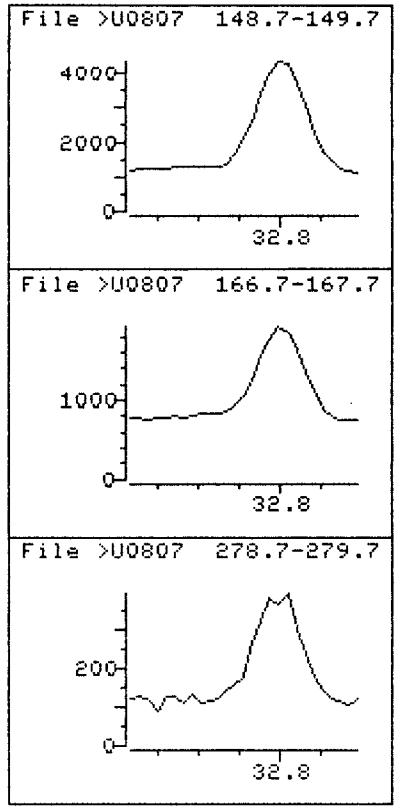


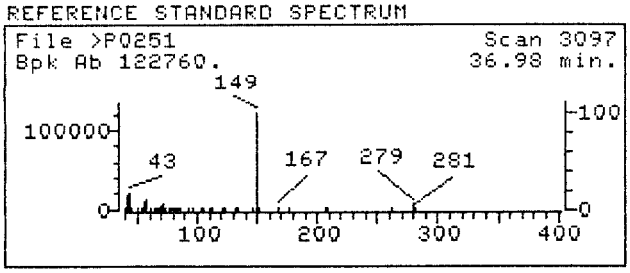


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2793
Retention Time: 32.80 min.
Quant Ion : 149.0
Area : 14806
Concentration : 9.89 UG/ML
q-value : 85

REFERENCE STANDARD SPECTRUM



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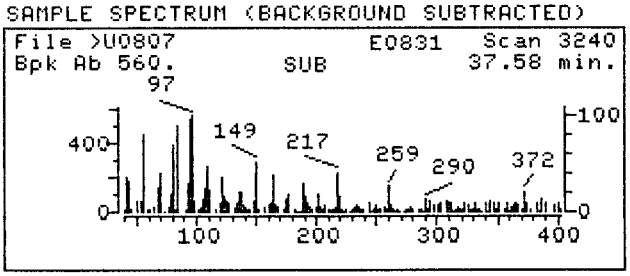

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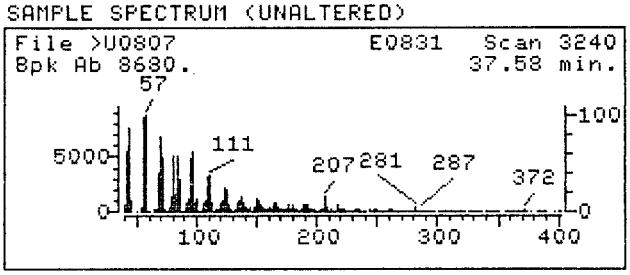
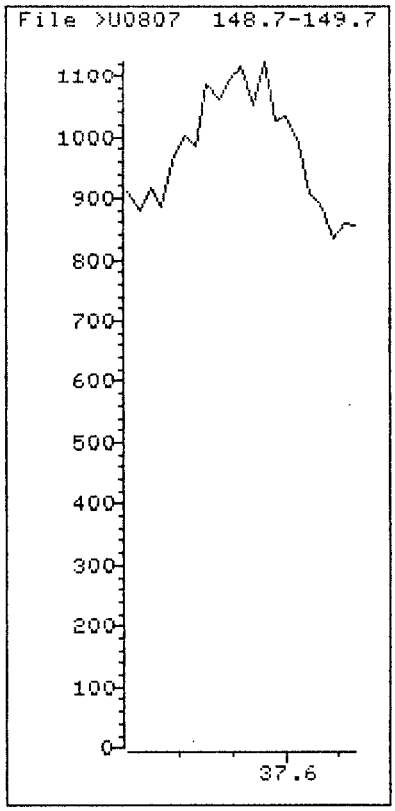


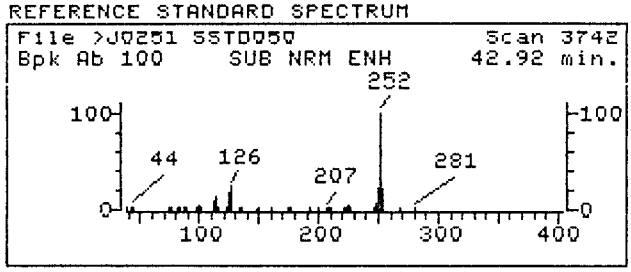


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 72
Compound Name : Di-n-octylphthalate
Scan Number : 3240
Retention Time: 37.58 min.
Quant Ion : 149.0
Area : 1873
Concentration : 1.23 UG/ML
q-value : 100

REFERENCE STANDARD SPECTRUM



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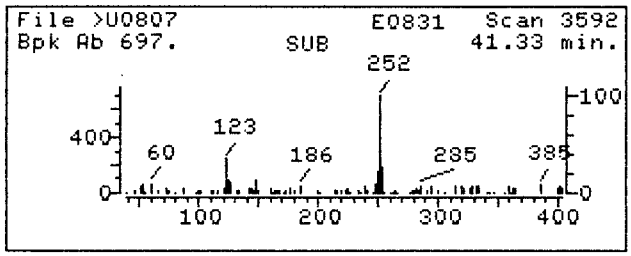

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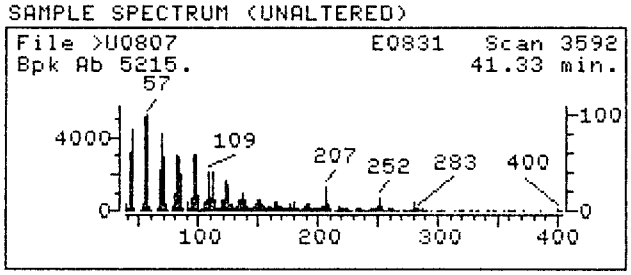
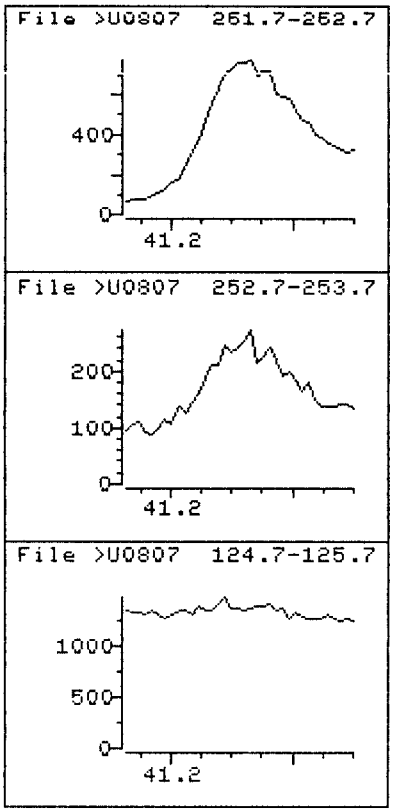


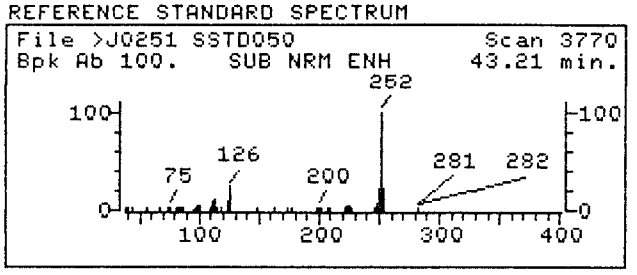


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

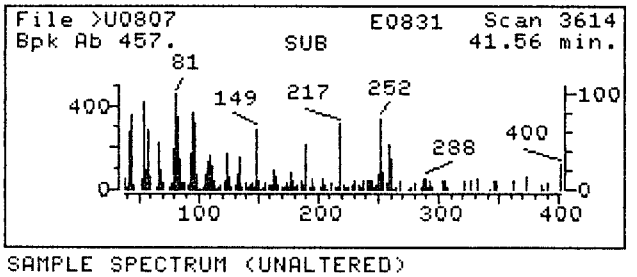
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3592
Retention Time: 41.33 min.
Quant Ion : 252.0
Area : 8872M
Concentration : 8.76 UG/ML

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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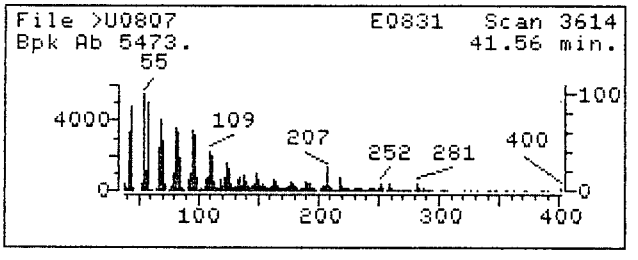
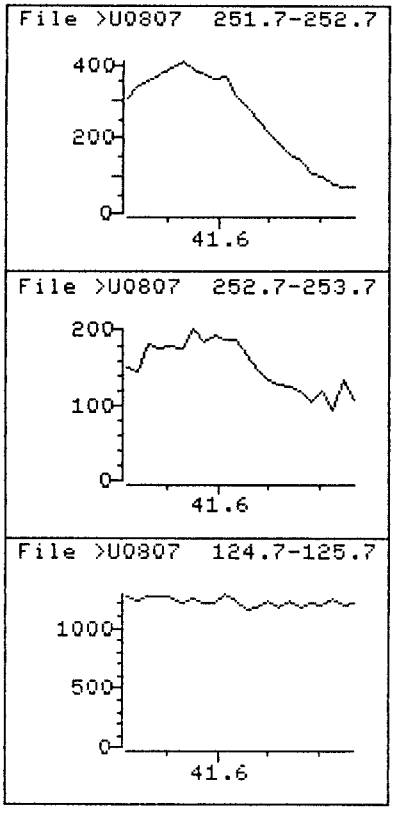


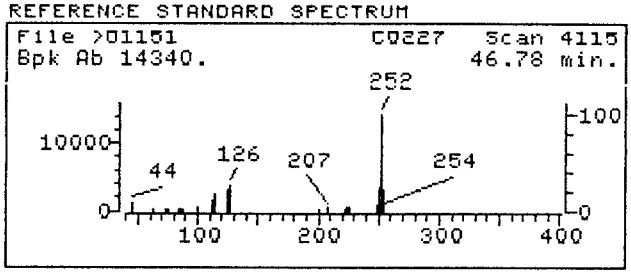


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

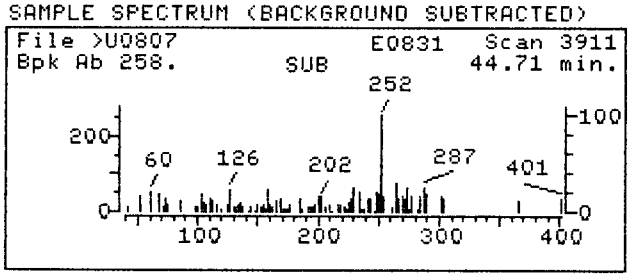
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3614
Retention Time: 41.56 min.
Quant Ion : 252.0
Area : 2979M
Concentration : 2.91 UG/ML

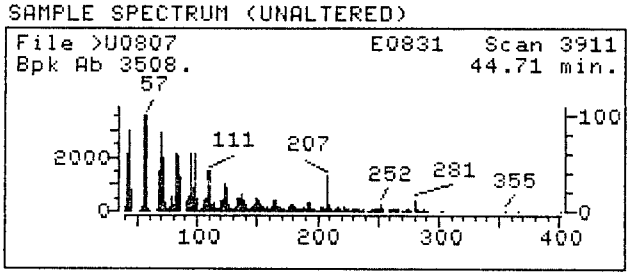
REFERENCE STANDARD SPECTRUM

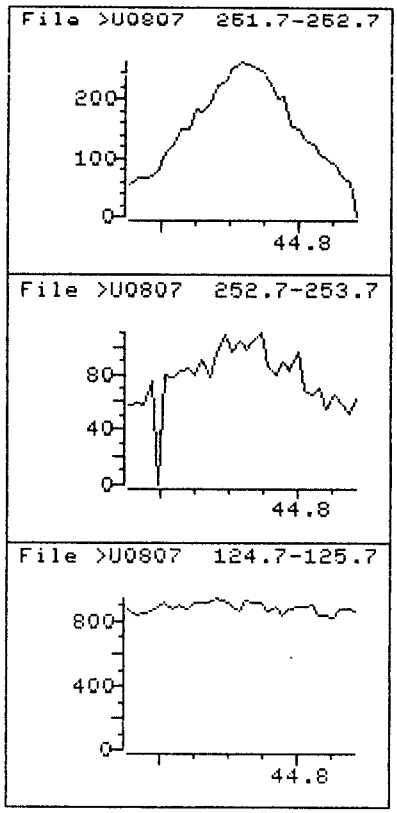


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



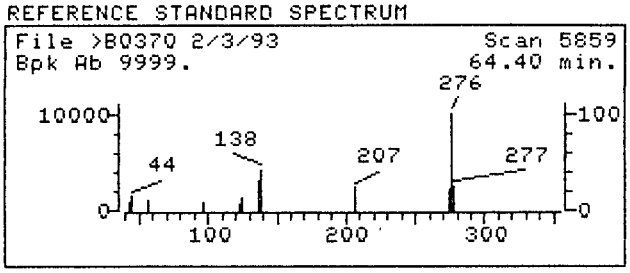


Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

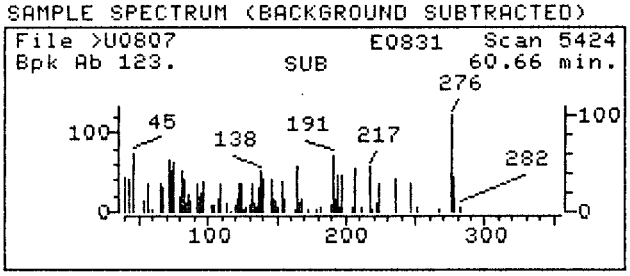
Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3911
Retention Time: 44.71 min.
Quant Ion : 252.0
Area : 2987M
Concentration : 3.42 UG/ML

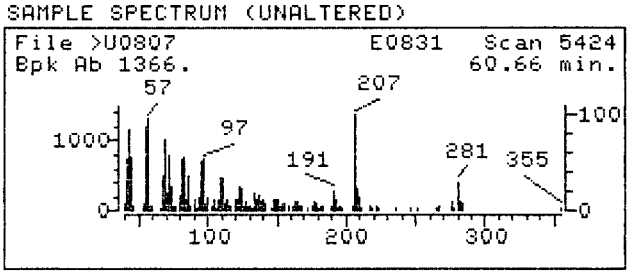
REFERENCE STANDARD SPECTRUM

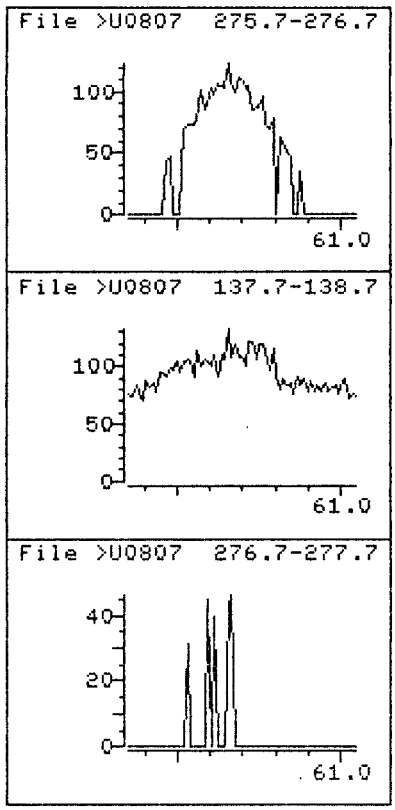


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



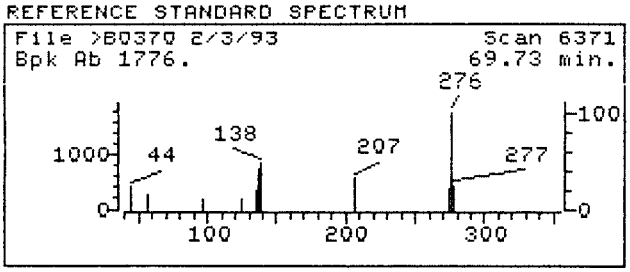


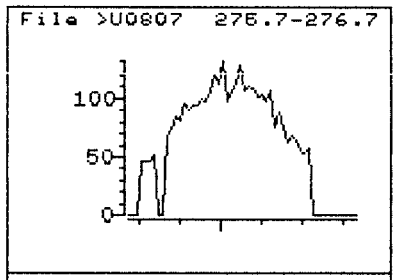
Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

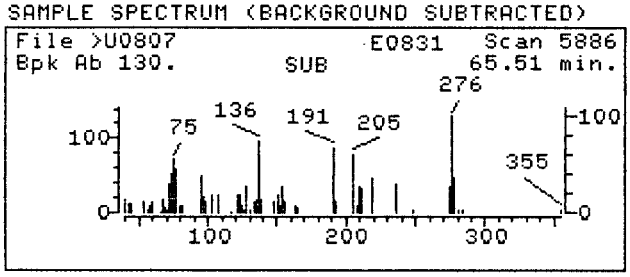
Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5424
Retention Time: 60.66 min.
Quant Ion : 276.0
Area : 1789M
Concentration : 2.39 UG/ML

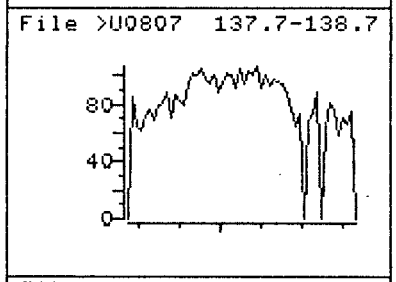
REFERENCE STANDARD SPECTRUM



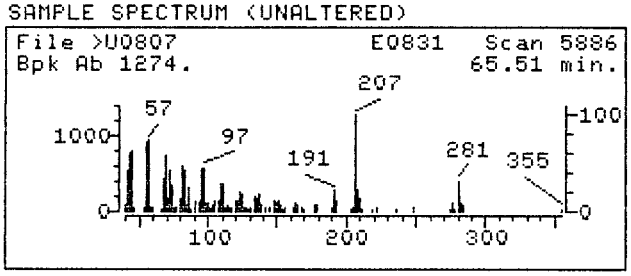


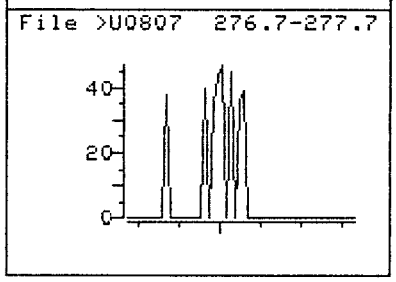
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)





Data File: >U0807
Name: E0831-02
Misc: SL-04RE 50.588G 1ML
Quant Time: 940908 22:11
Injected at: 940908 21:03
Last Qcal Time: 940908 13:15

Quant Output File: ^U0807::A5
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 78
Compound Name : Benzo(g,h,i)perylene
Scan Number : 5886
Retention Time: 65.51 min.
Quant Ion : 276.0
Area : 2084M
Concentration : 2.75 UG/ML
q-value : 31

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-05

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-05

Sample wt/vol: 50.7 (g/mL) G Lab File ID: >U0903

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	40	
218-01-9	Chrysene	56	
205-99-2	Benzo(b)fluoranthene	74	
7-08-9	Benzo(k)fluoranthene	34	U
0-32-8	Benzo(a)pyrene	41	
193-39-5	Indeno(1,2,3-cd)pyrene	34	U
53-70-3	Dibenz(a,h)anthracene	34	U

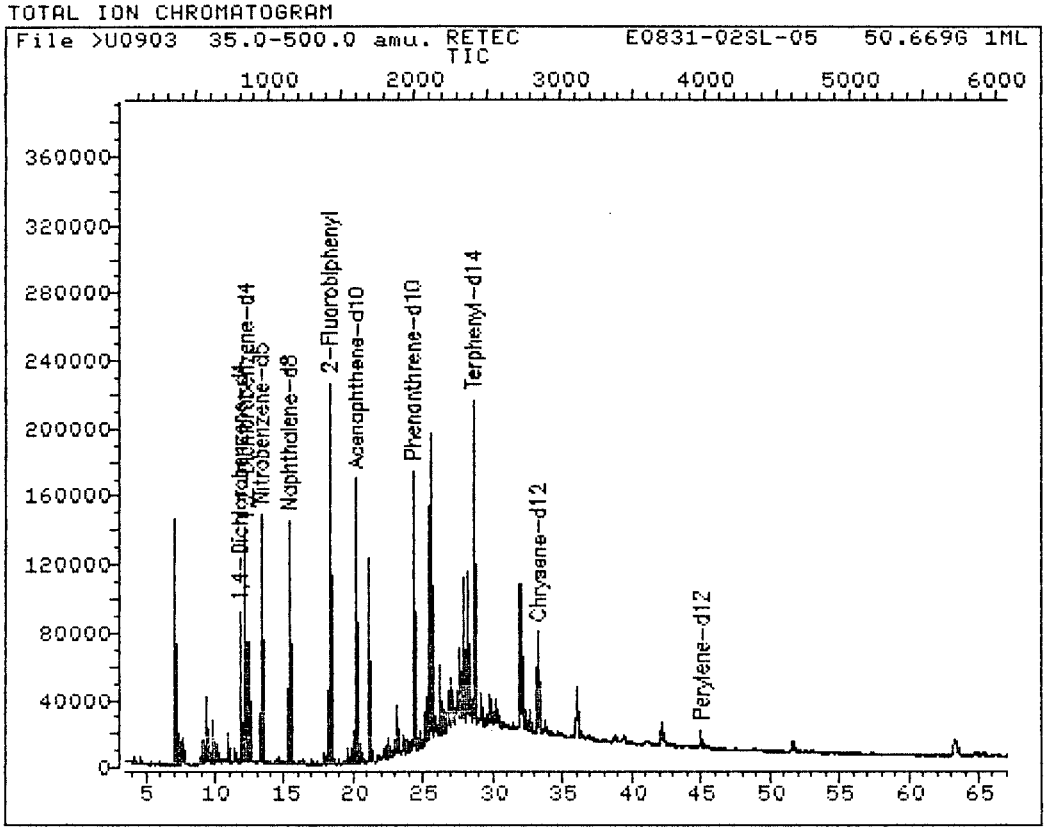
Operator ID: ANDY Quant Rev: 7 Quant Time: 940909 20:41
Output File: ^U0903::D1 Injected at: 940909 19:33
Data File: >U0903::A2 Dilution Factor: 1.00000
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-05 50.669G 1ML BTL# 5

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.71	152.0	39737	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.16	152.0	59849	30.68	UG/ML	58
17)	*Naphthalene-d8	15.29	136.0	154245	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.26	82.0	107470	37.42	UG/ML	54
31)	*Acenaphthene-d10	20.13	164.0	99949	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.21	172.0	183536	33.79	UG/ML	95
51)	*Phenanthrene-d10	24.20	188.0	148220	20.00	UG/ML	98
63)	*Chrysene-d12	33.19	240.0	100614	20.00	UG/ML	95
65)	Terphenyl-d14	28.51	244.0	232504	44.50	UG/ML	84
68)	Benzo(a)anthracene	33.13	228.0	9299M	1.76	UG/ML	92
69)	Chrysene	33.34	228.0	10865M	2.46	UG/ML	97
71)	*Perylene-d12	44.97	264.0	36846	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.02	252.0	5822M	3.21	UG/ML	67
75)	Benzo(a)pyrene	44.39	252.0	2786	1.80	UG/ML	55

* Compound is ISTD

TOTAL ION CHROMATOGRAM

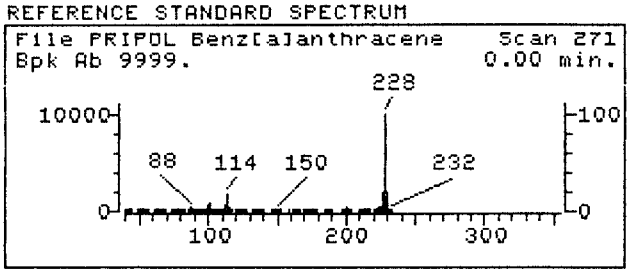


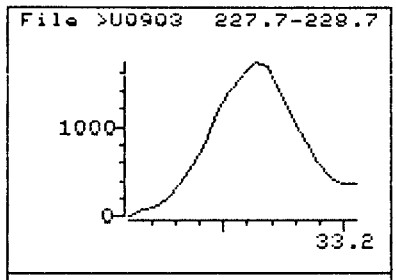
Data File: >U0903 Quant Output File: ^U0903::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-05 50.669G 1ML BTL# 5

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

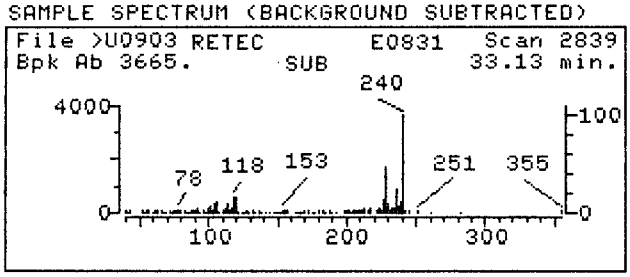
Operator ID: ANDY
Quant Time : 940909 20:41
Injected at: 940909 19:33

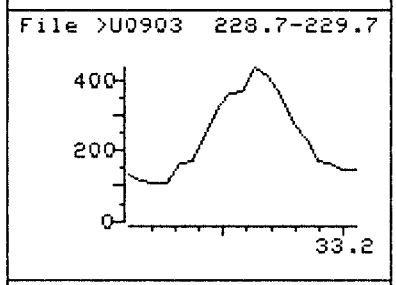
REFERENCE STANDARD SPECTRUM



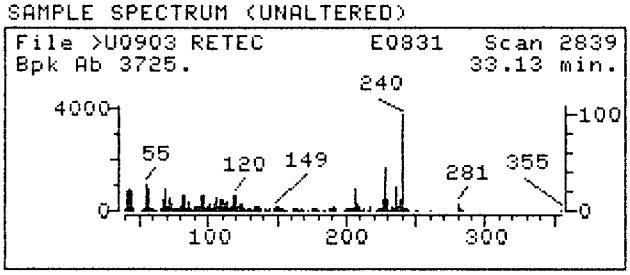


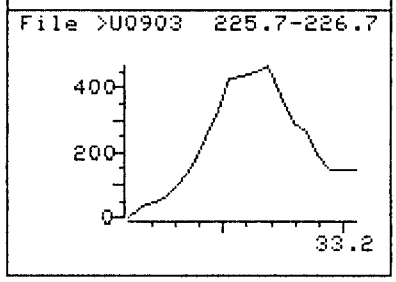
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



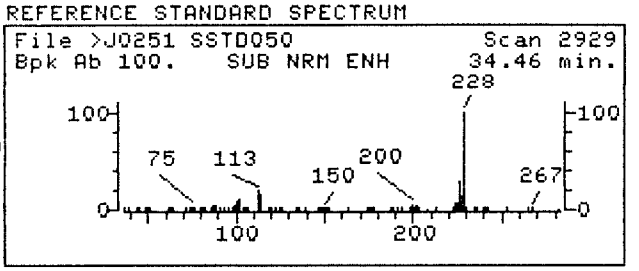


Data File: >U0903
Name: RETEC E0831-02
Misc: SL-05 50.669G 1ML
Quant Time: 940909 20:41
Injected at: 940909 19:33
Last Qcal Time: 940909 16:51

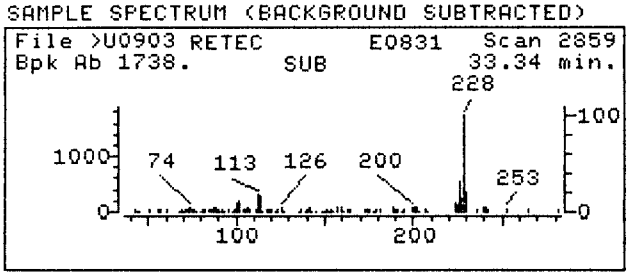
Quant Output File: ^U0903::D1
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2839
Retention Time: 33.13 min.
Quant Ion : 228.0
Area : 9299M
Concentration : 1.76 UG/ML
q-value : 92

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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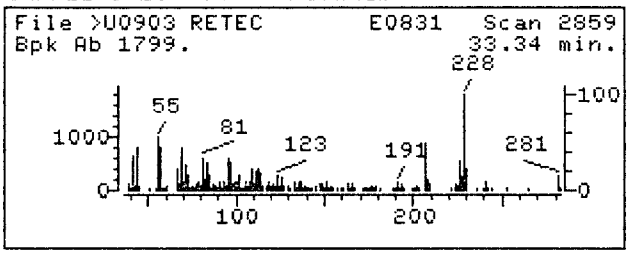
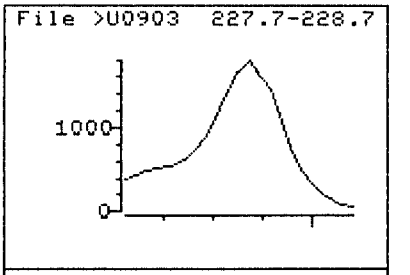
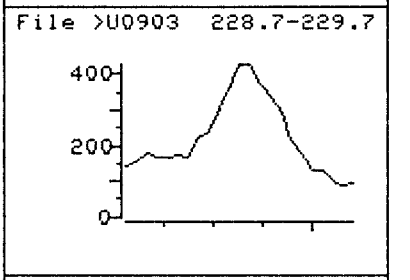
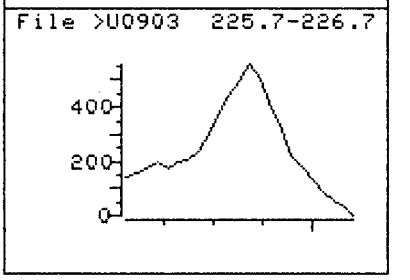






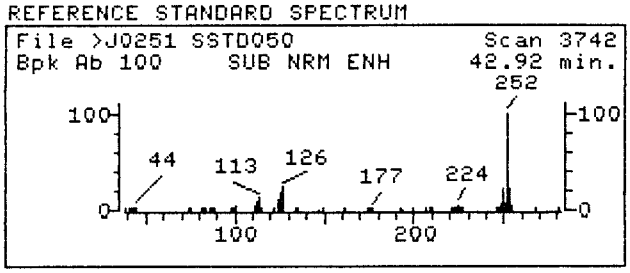


Data File: >U0903
Name: RETEC E0831-02
Misc: SL-05 50.669G 1ML
Quant Time: 940909 20:41
Injected at: 940909 19:33
Last Qcal Time: 940909 16:51

Quant Output File: ^U0903::D1
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2859
Retention Time: 33.34 min.
Quant Ion : 228.0
Area : 10865M
Concentration : 2.46 UG/ML
q-value : 97

REFERENCE STANDARD SPECTRUM



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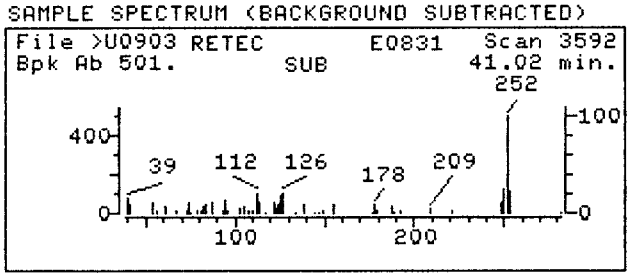

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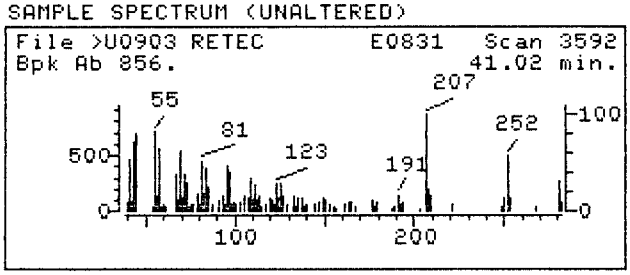
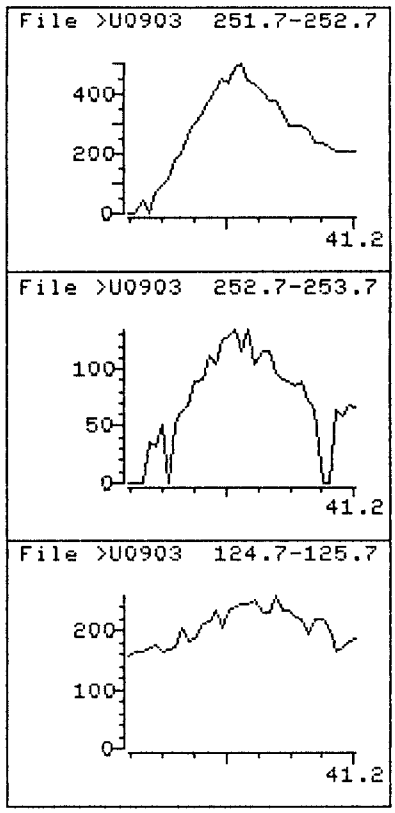


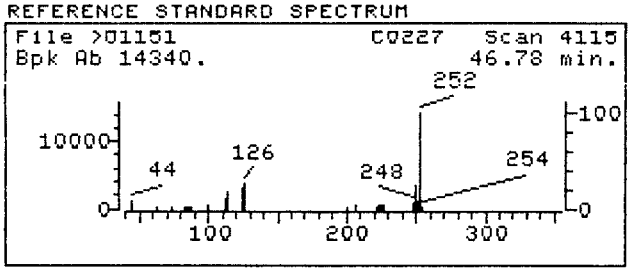


Data File: >U0903
Name: RETEC E0831-02
Misc: SL-05 50.669G 1ML
Quant Time: 940909 20:41
Injected at: 940909 19:33
Last Qcal Time: 940909 16:51

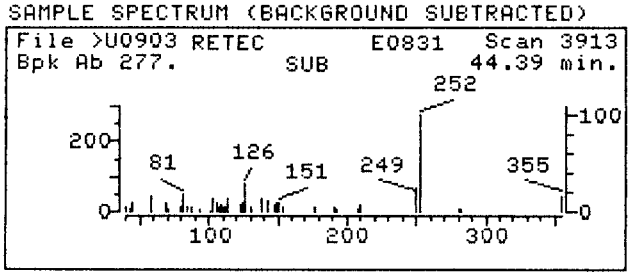
Quant Output File: ^U0903::D1
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3592
Retention Time: 41.02 min.
Quant Ion : 252.0
Area : 5822M
Concentration : 3.21 UG/ML
q-value : 67

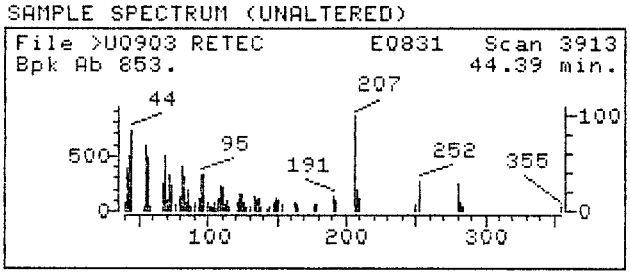
REFERENCE STANDARD SPECTRUM

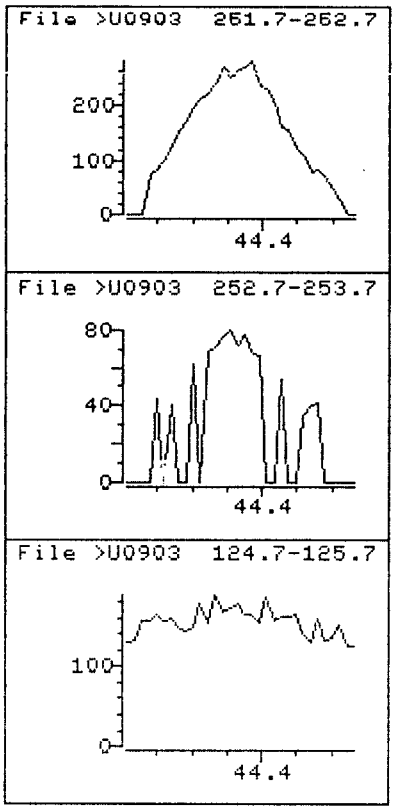


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0903
Name: RETEC E0831-02
Misc: SL-05 50.669G 1ML
Quant Time: 940909 20:41
Injected at: 940909 19:33
Last Qcal Time: 940909 16:51

Quant Output File: ^U0903::D1
Instrument ID: MACH-2
BTL# 5
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3913
Retention Time: 44.39 min.
Quant Ion : 252.0
Area : 2786
Concentration : 1.80 UG/ML
q-value : 55

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0314

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	239	U
111-44-4	bis(2-Chloroethyl)ether	239	U
95-57-8	2-Chlorophenol	239	U
541-73-1	1,3-Dichlorobenzene	239	U
106-46-7	1,4-Dichlorobenzene	239	U
95-50-1	1,2-Dichlorobenzene	239	U
95-48-7	2-Methylphenol	239	U
108-60-1	2,2'-oxybis(1-Chloropropane)	239	U
106-44-5	4-Methylphenol	239	U
621-64-7	N-Nitroso-di-n-propylamine	239	U
67-72-1	Hexachloroethane	239	U
98-95-3	Nitrobenzene	239	U
78-59-1	Isophorone	239	U
88-75-5	2-Nitrophenol	239	U
105-67-9	2,4-Dimethylphenol	239	U
111-91-1	bis(2-Chloroethoxy)methane	239	U
120-83-2	2,4-Dichlorophenol	239	U
120-82-1	1,2,4-Trichlorobenzene	239	U
91-20-3	Naphthalene	239	U
106-47-8	4-Chloroaniline	239	U
87-68-3	Hexachlorobutadiene	239	U
59-50-7	4-Chloro-3-methylphenol	239	U
91-57-6	2-Methylnaphthalene	239	U
77-47-4	Hexachlorocyclopentadiene	239	U
88-06-2	2,4,6-Trichlorophenol	239	U
95-95-4	2,4,5-Trichlorophenol	596	U
91-58-7	2-Chloronaphthalene	239	U
88-74-4	2-Nitroaniline	596	U
131-11-3	Dimethylphthalate	239	U
208-96-8	Acenaphthylene	239	U
606-20-2	2,6-Dinitrotoluene	239	U
99-09-2	3-Nitroaniline	596	U
83-32-9	Acenaphthene	239	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-6/7

Sample wt/vol: 50.5 (g/mL) G Lab File ID: >U0314

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
51-28-5	2,4-Dinitrophenol	596	U
100-02-7	4-Nitrophenol	596	U
132-64-9	Dibenzofuran	239	U
1-14-2	2,4-Dinitrotoluene	239	U
84-66-2	Diethylphthalate	239	U
7005-72-3	4-chlorophenyl-phenylether	239	U
86-73-7	Fluorene	239	U
100-01-6	4-Nitroaniline	596	U
534-52-1	4,6-Dinitro-2-methylphenol	596	U
86-30-6	N-Nitrosodiphenylamine (1)	239	U
101-55-3	4-Bromophenyl-phenylether	239	U
118-74-1	Hexachlorobenzene	239	U
87-86-5	Pentachlorophenol	596	U
85-01-8	Phenanthrene	239	U
120-12-7	Anthracene	239	U
86-74-8	Carbazole	239	U
84-74-2	Di-n-butylphthalate	268	B
206-44-0	Fluoranthene	239	U
129-00-0	Pyrene	239	U
85-68-7	Butylbenzylphthalate	239	U
91-94-1	3,3'-Dichlorobenzidine	239	U
56-55-3	Benzo(a)anthracene	36	U
218-01-9	Chrysene	36	U
117-81-7	bis(2-Ethylhexyl)phthalate	57	BJ
117-84-0	Di-n-octylphthalate	239	U
205-99-2	Benzo(b)fluoranthene	36	U
207-08-9	Benzo(k)fluoranthene	36	U
50-32-8	Benzo(a)pyrene	36	U
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U
1-24-2	Benzo(g,h,i)perylene	239	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-6/7

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) soil Lab Sample ID: SL-6/7

Sample wt/vol: 50.5 (g/mL) g Lab File ID: >U0314

Level: (low/med) low Date Received: 08/31/94

%Moisture: 17 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.4

Number TICs found: 17 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN HYDROCARBON	4.60	105	J
2.		UNKNOWN HYDROCARBON	5.66	57	J
3.		UNKNOWN HYDROCARBON	7.15	978	J
4.		UNKNOWN HYDROCARBON	9.03	248	J
5.		UNKNOWN HYDROCARBON	9.40	458	J
6.		TRIMETHYL-SUBSTITUTED ALKANE	9.55	389	J
7.		UNKNOWN ALKYL OXIDE	9.83	50	J
8.		UNKNOWN HYDROCARBON	10.87	389	J
9.		UNKNOWN HYDROCARBON	11.25	88	J
10.		UNKNOWN HYDROCARBON	12.39	475	J
11.		UNKNOWN HYDROCARBON	21.10	172	J
12.	57103	HEXADECANOIC ACID	25.36	334	J
13.		UNKNOWN ALKYL ESTER	27.46	52	J
14.		UNKNOWN CARBOXYLIC ACID	30.24	50	J
15.		UNKNOWN ALKYL ALCOHOL	31.92	441	J
16.		UNKNOWN ALKYL ALCOHOL	36.15	212	J
17.		UNKNOWN HYDROCARBON	42.35	100	J
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

Operator ID: ANDY
Output File: ^U0314::A5
Data File: >U0314::A0
Name: E0831-02
Misc: SL-6/7 50.493G 1ML

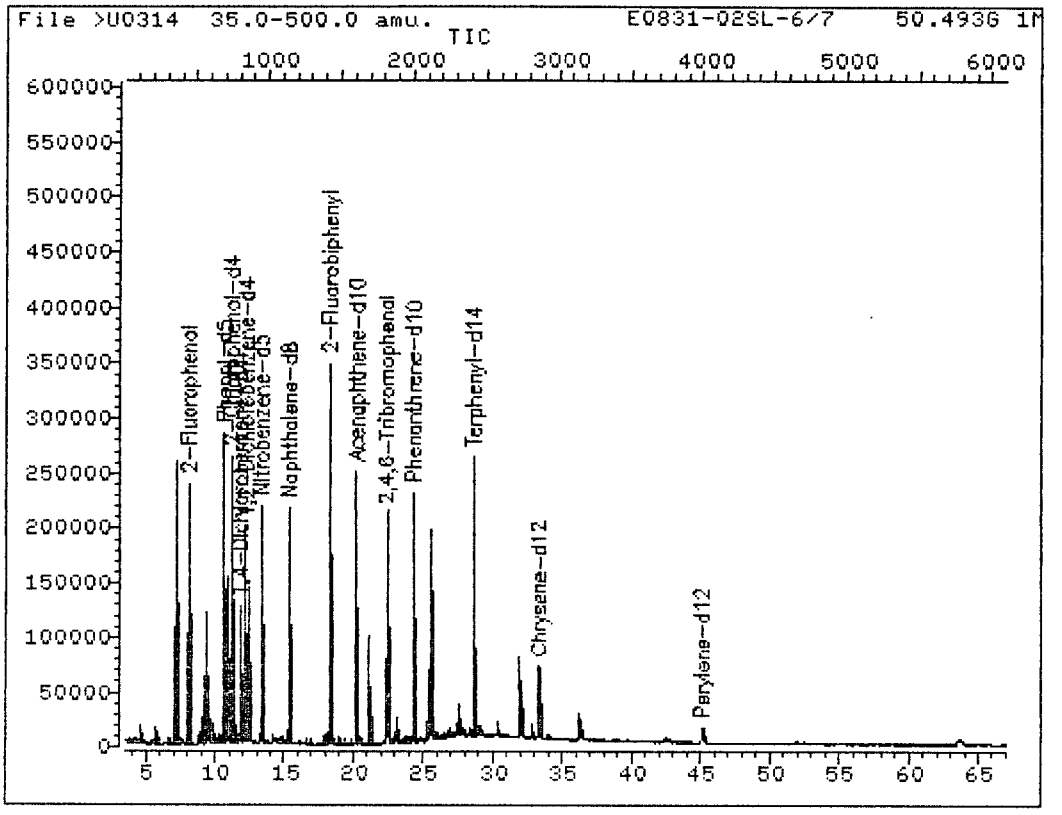
Quant Rev: 7
Quant Time: 940906 14:23
Injected at: 940906 00:46
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#15

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 23:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	57872	20.00	UG/ML	65
2)	2-Fluorophenol	8.01	112.0	157176	48.92	UG/ML	94
3)	Phenol-d5	10.56	99.0	222440	49.89	UG/ML	87
4)	2-Chlorophenol-d4	11.11	132.0	178187	47.39	UG/ML	96
5)	1,2-Dichlorobenzene-d4	12.18	152.0	91195	32.03	UG/ML	56
17)	*Naphthalene-d8	15.32	136.0	228642	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.28	82.0	159306	37.87	UG/ML	56
31)	*Acenaphthene-d10	20.16	164.0	146225	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.23	172.0	274578	36.75	UG/ML	96
51)	*Phenanthrene-d10	24.23	188.0	204833	20.00	UG/ML	97
54)	2,4,6-Tribromophenol	22.29	330.0	83758	54.20	UG/ML	97
61)	Di-n-butylphthalate	25.53	149.0	171122	11.24	UG/ML	95
63)	*Chrysene-d12	33.24	240.0	106511	20.00	UG/ML	93
65)	Terphenyl-d14	28.55	244.0	281050	44.20	UG/ML	89
70)	bis(2-Ethylhexyl)phthalate	32.73	149.0	15990	2.39	UG/ML	93
71)	*Perylene-d12	45.06	264.0	47073	20.00	UG/ML	93

* Compound is ISTD

TOTAL ION CHROMATOGRAM

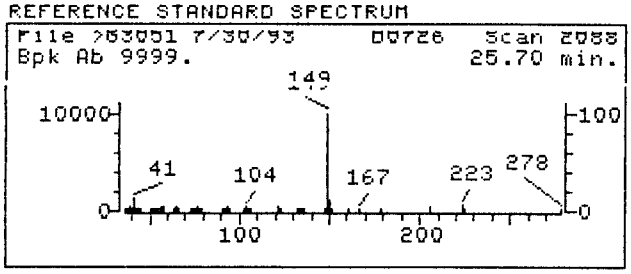


Data File: >U0314 Quant Output File: ^U0314::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-6/7 50.493G 1ML BTL#15

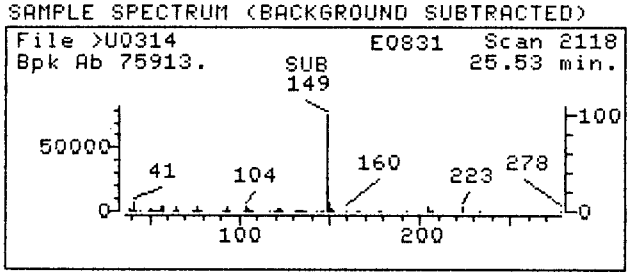
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 23:33

Operator ID: ANDY
Quant Time : 940906 14:23
Injected at: 940906 00:46

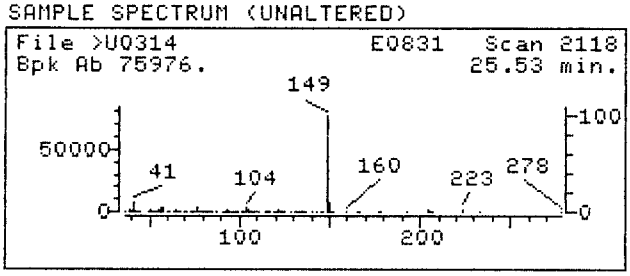
REFERENCE STANDARD SPECTRUM

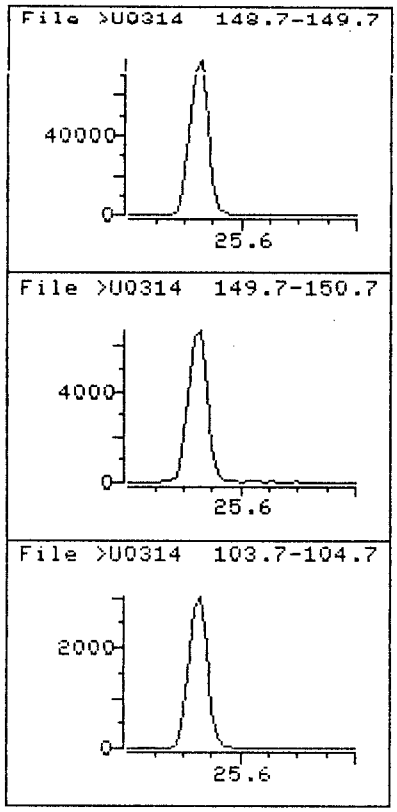


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



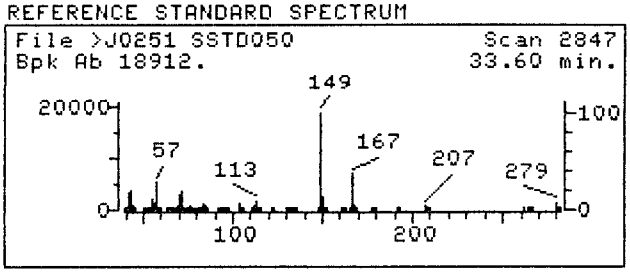


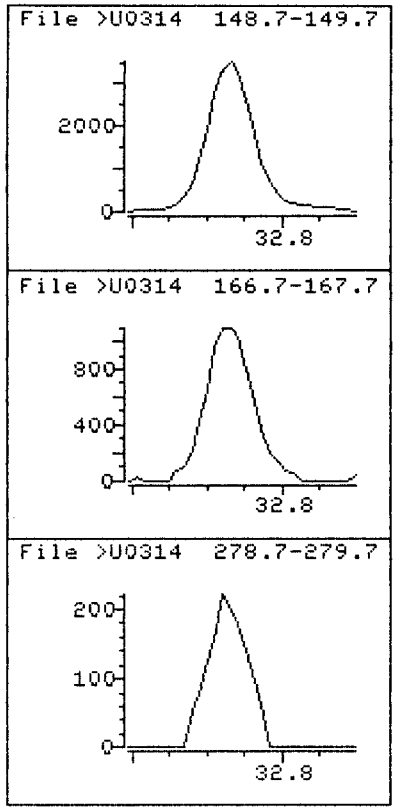
Data File: >U0314
Name: E0831-02
Misc: SL-6/7 50.493G 1ML
Quant Time: 940906 14:23
Injected at: 940906 00:46
Last Qcal Time: 940905 23:33

Quant Output File: ^U0314::A5
Instrument ID: MACH-2
BTL#15
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

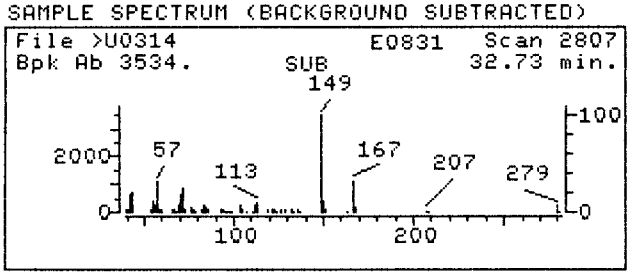
Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2118
Retention Time: 25.53 min.
Quant Ion : 149.0
Area : 171122
Concentration : 11.24 UG/ML
q-value : 95

REFERENCE STANDARD SPECTRUM

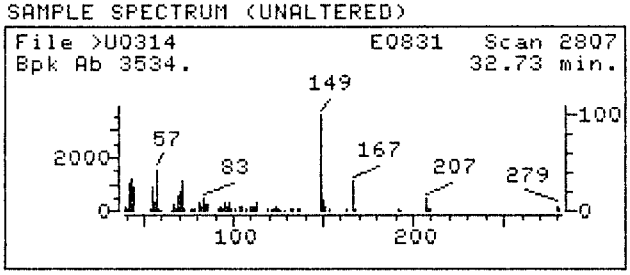




SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



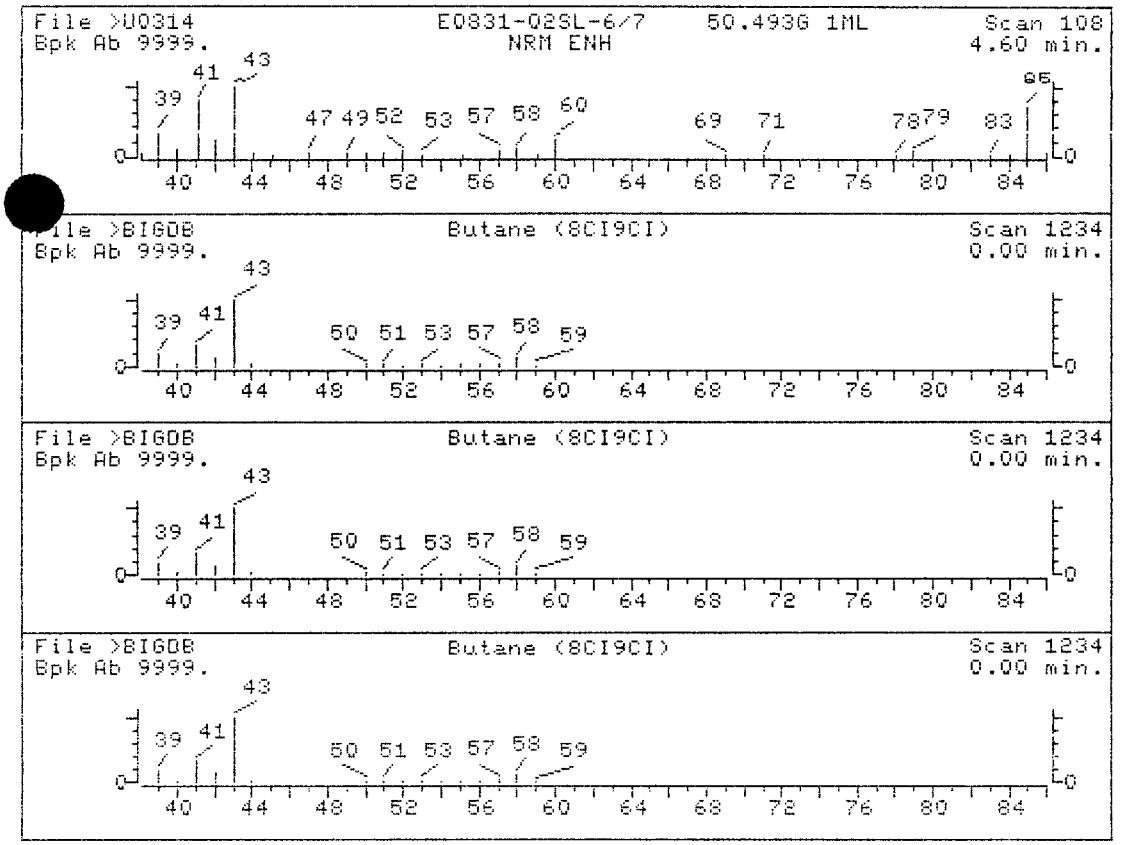
SAMPLE SPECTRUM (UNALTERED)

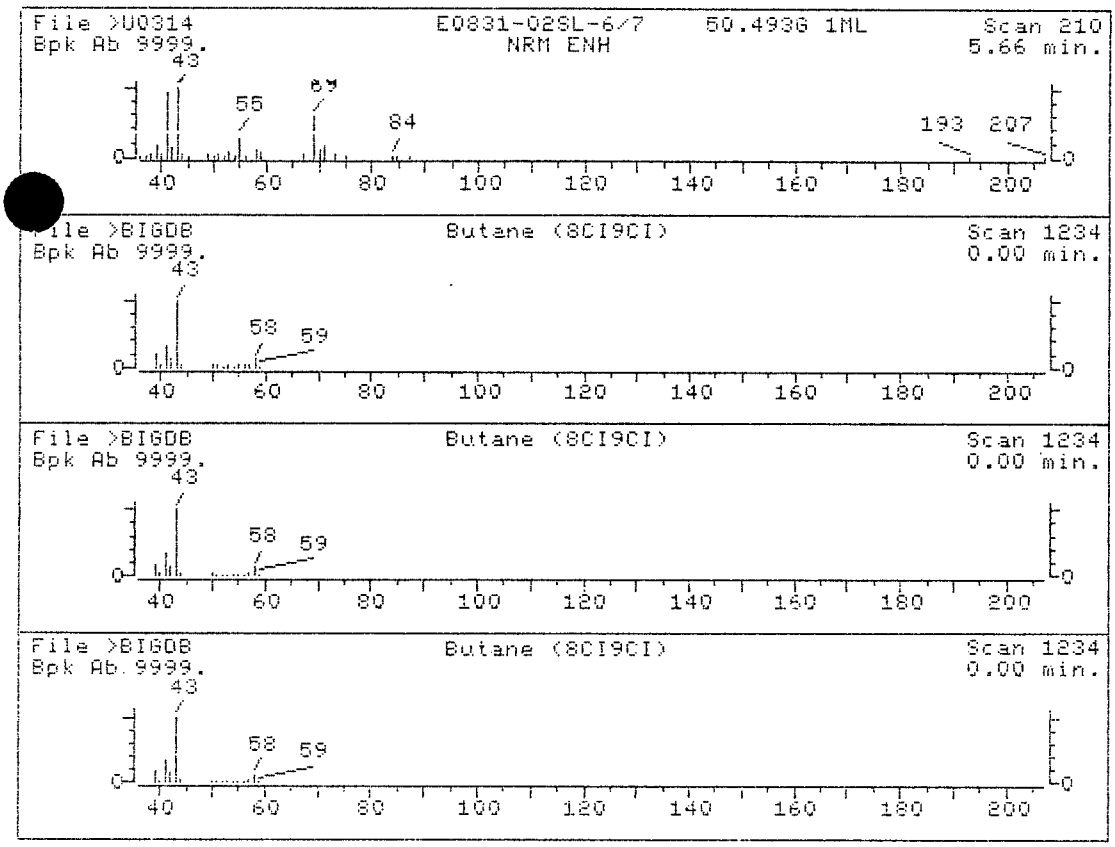


Data File: >U0314
Name: E0831-02
Misc: SL-6/7 50.493G 1ML
Quant Time: 940906 14:23
Injected at: 940906 00:46
Last Qcal Time: 940905 23:33

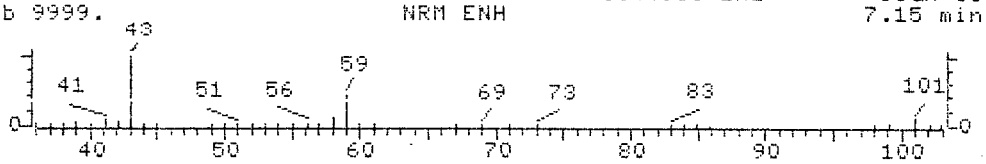
Quant Output File: ^U0314::A5
Instrument ID: MACH-2
BTL#15
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2807
Retention Time: 32.73 min.
Quant Ion : 149.0
Area : 15990
Concentration : 2.39 UG/ML
q-value : 93


File >U0314
Bpk Ab 9999.
E0831-02SL-6/7
NRM ENH
50.493G 1ML
Scan 108
4.60 min.
39 41 43 47 49 52 53 57 58 60 69 71 78 79 83 85
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
39 41 43 50 51 53 57 58 59
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
39 41 43 50 51 53 57 58 59
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
39 41 43 50 51 53 57 58 59
40 44 48 52 56 60 64 68 72 76 80 84


File >U0314
Bpk Ab 9999.
E0831-02SL-6/7
NRM ENH
50.493G 1ML
Scan 210
5.66 min.
43
55
69
84
193
207
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
43
58
59
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
43
58
59
File >BIGDB
Bpk Ab 9999.
Butane (8CI9CI)
Scan 1234
0.00 min.
43
58
59
40
60
80
100
120
140
160
180
200

File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 353
Bpk Ab 9999. NRM ENH 7.15 min.



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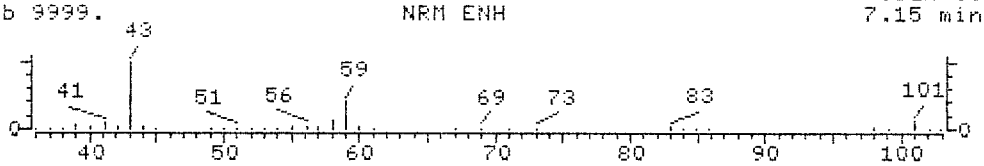
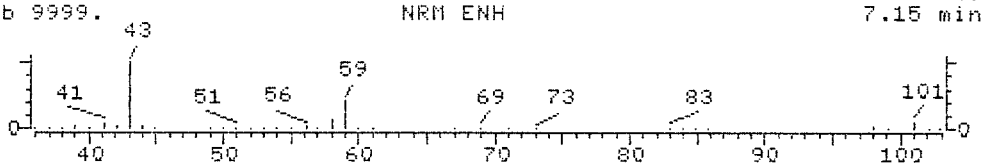
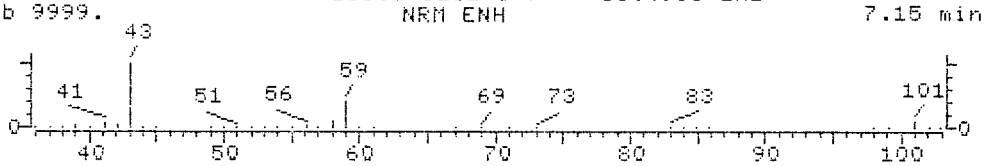
Bpk Ab 9999. NRM ENH 7.15 min.



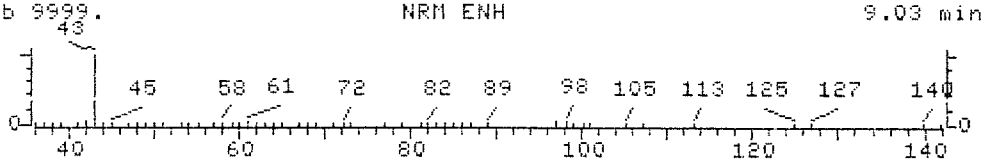
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 353
Bpk Ab 9999. NRM ENH 7.15 min.



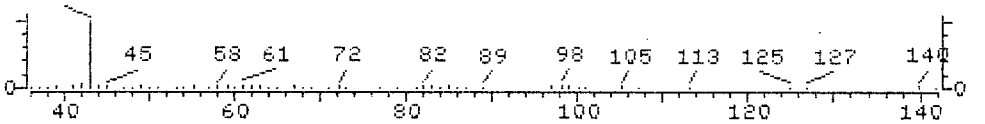
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 353
Bpk Ab 9999. NRM ENH 7.15 min.



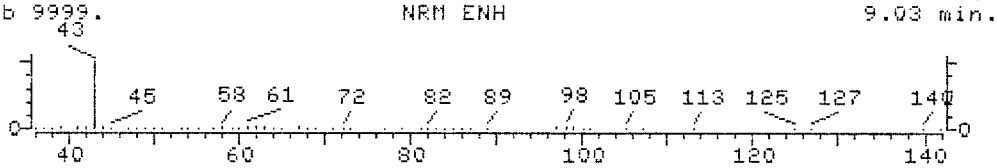
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 534
Bpk Ab 9999. NRM ENH 9.03 min.



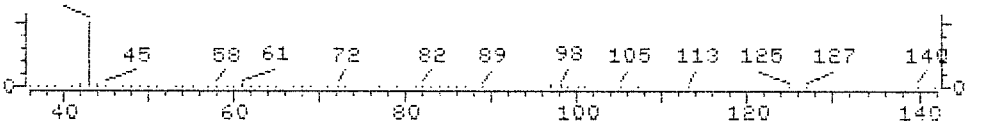
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 534
Bpk Ab 9999. NRM ENH 9.03 min.



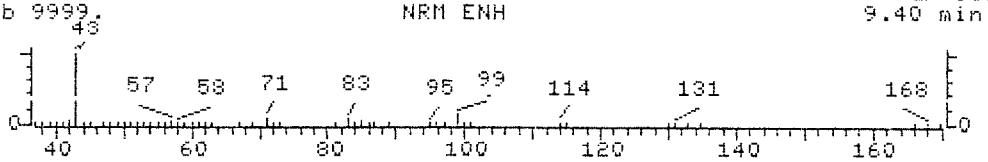
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 534
Bpk Ab 9999. NRM ENH 9.03 min.



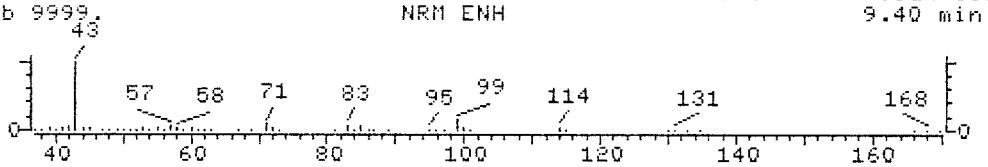
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 534
Bpk Ab 9999. NRM ENH 9.03 min.



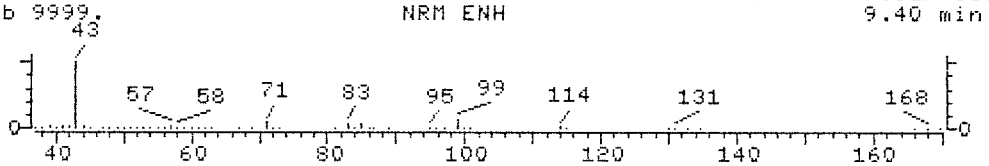
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 569
Bpk Ab 9999. NRM ENH 9.40 min.



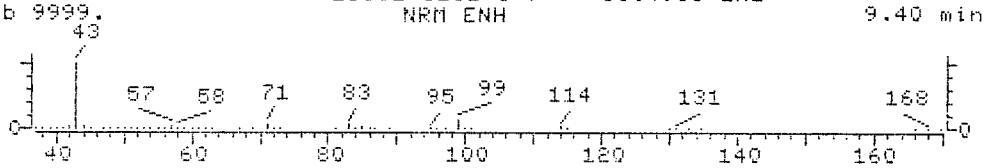
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 569
Bpk Ab 9999. NRM ENH 9.40 min.



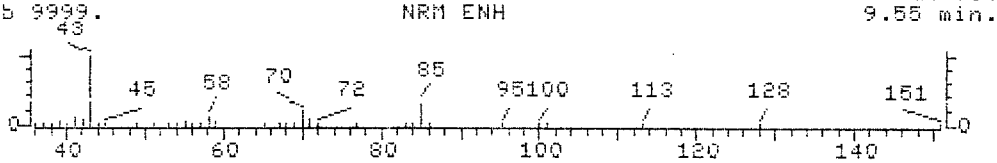
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 569
Bpk Ab 9999. NRM ENH 9.40 min.



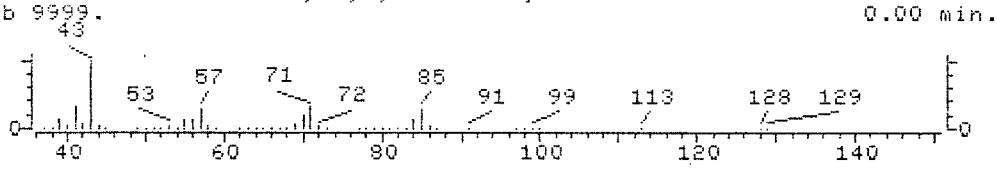
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 569
Bpk Ab 9999. NRM ENH 9.40 min.



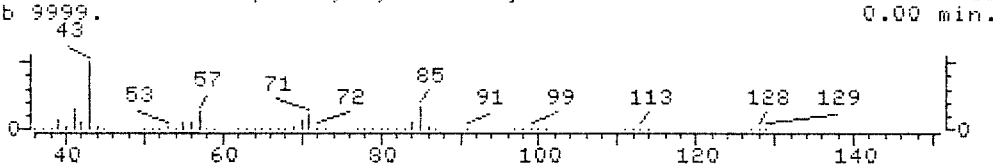
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 584
Bpk Ab 9999. NRM ENH 9.55 min.



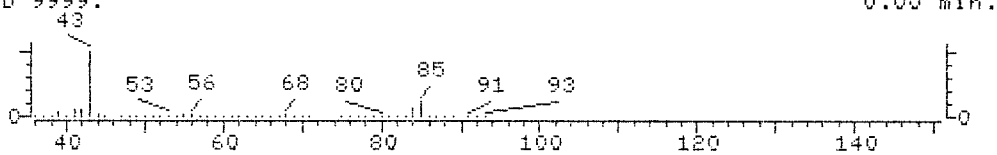
File >BIGDB Hexane, 2,3,4-trimethyl- (8CI9CI) Scan 5917
Bpk Ab 9999. 0.00 min.



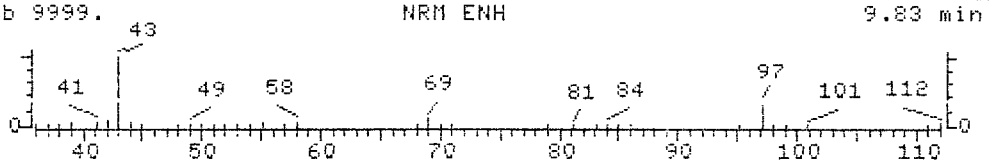
File >BIGDB Heptane, 2,4-dimethyl- (8CI9CI) Scan 5920
Bpk Ab 9999. 0.00 min.



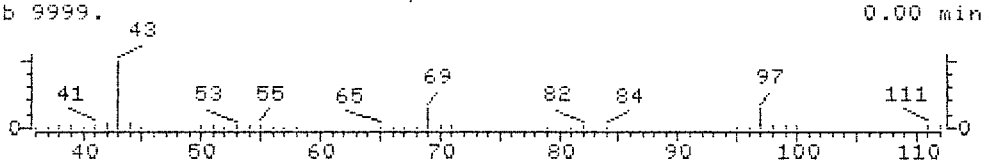
File >BIGDB Pyrrolidine, 3-methyl- (8CI9CI) Scan 5939
Bpk Ab 9999. 0.00 min.



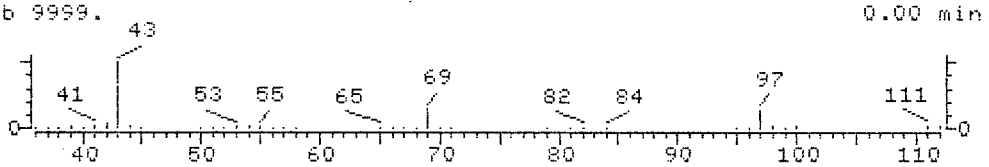
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 611
Bpk Ab 9999. NRM ENH 9.83 min.



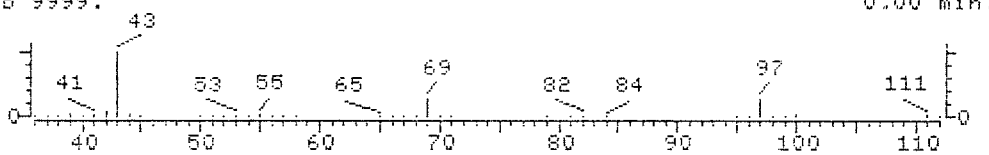
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



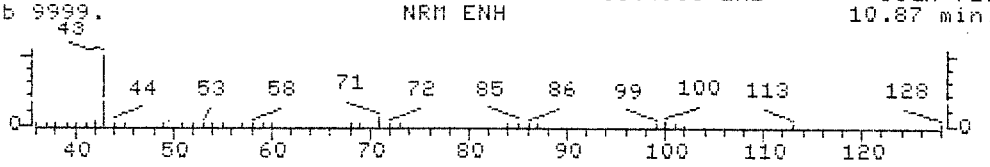
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



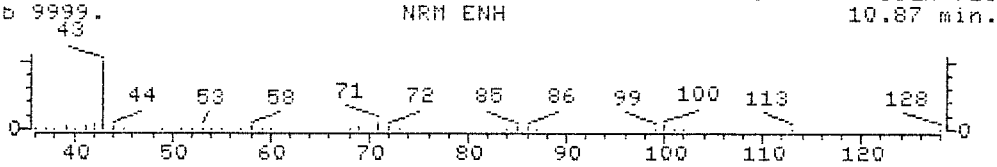
File >BIGDB 3-Hexene-2,5-dione (8CI9CI) Scan 8247
Bpk Ab 9999. 0.00 min.



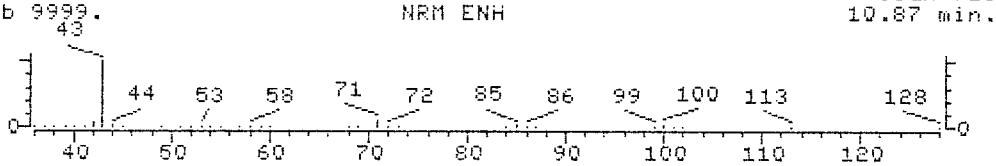
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 710
Bpk Ab 9999. NRM ENH 10.87 min.



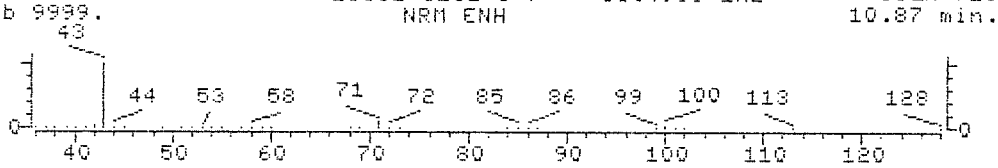
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 710
Bpk Ab 9999. NRM ENH 10.87 min.



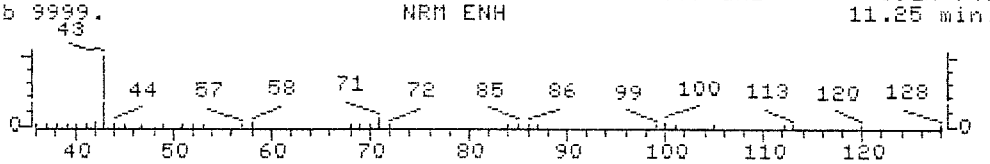
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 710
Bpk Ab 9999. NRM ENH 10.87 min.



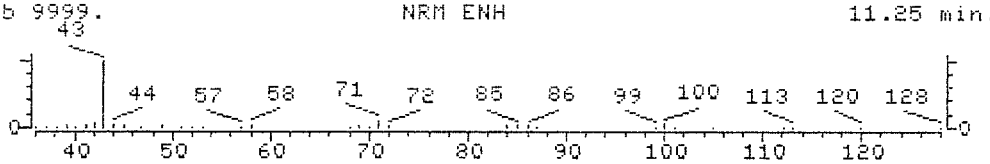
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 710
Bpk Ab 9999. NRM ENH 10.87 min.



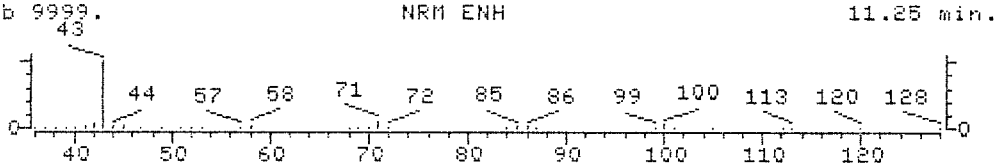
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 747
Bpk Ab 9999. NRM ENH 11.25 min.



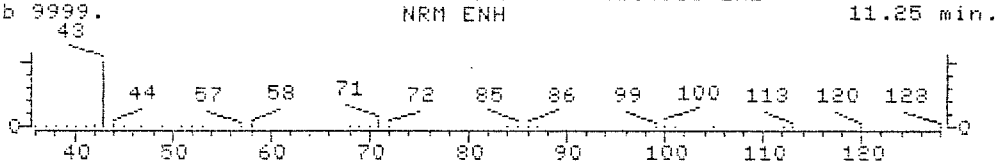
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 747
Bpk Ab 9999. NRM ENH 11.25 min.



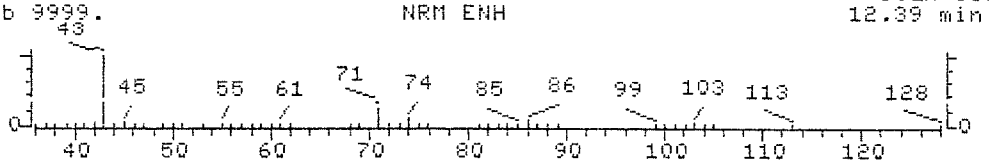
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 747
Bpk Ab 9999. NRM ENH 11.25 min.



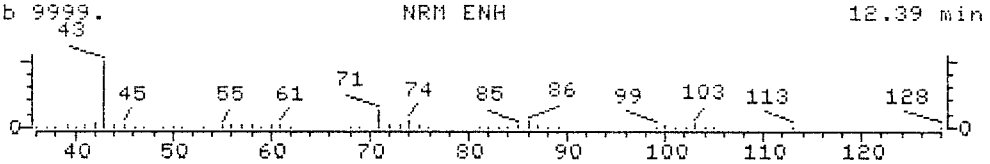
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 747
Bpk Ab 9999. NRM ENH 11.25 min.



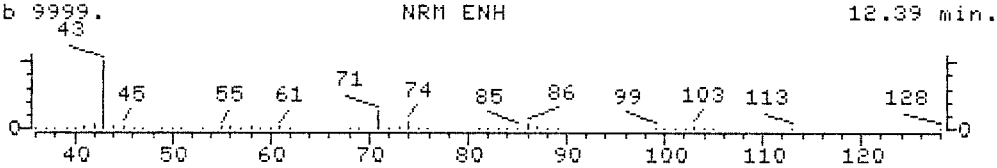
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 856
Bpk Ab 9999. NRM ENH 12.39 min.



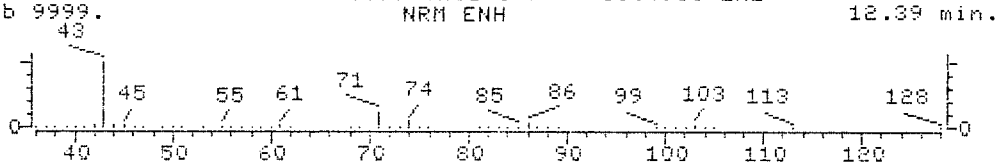
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 856
Bpk Ab 9999. NRM ENH 12.39 min.



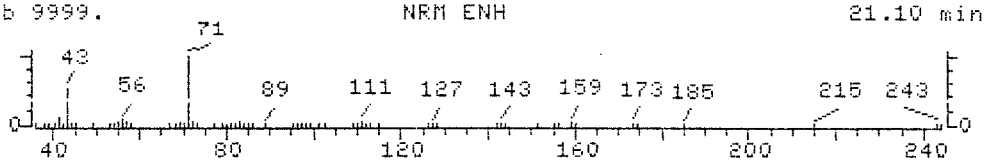
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 856
Bpk Ab 9999. NRM ENH 12.39 min.



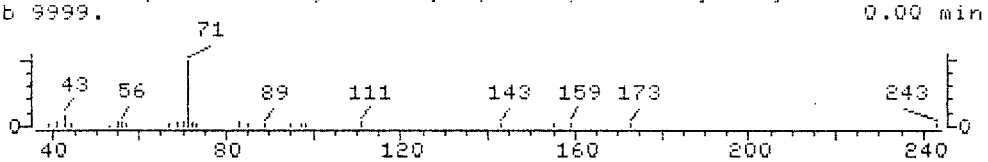
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 856
Bpk Ab 9999. NRM ENH 12.39 min.



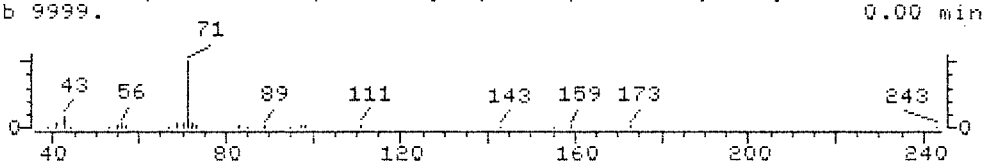
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 1693
Bpk Ab 9999. NRM ENH 21.10 min.



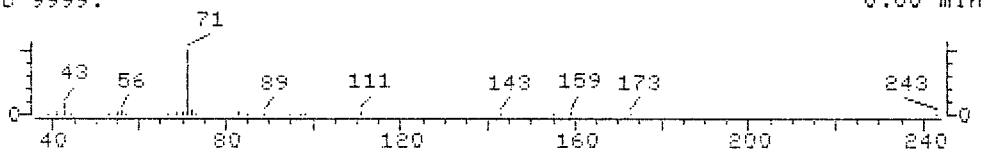
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.



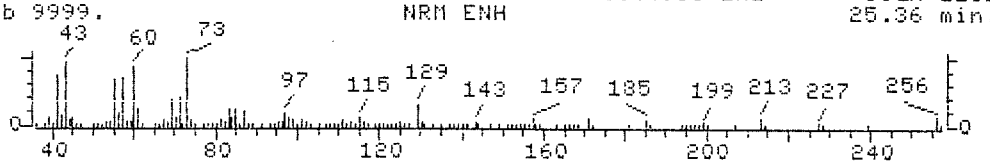
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.



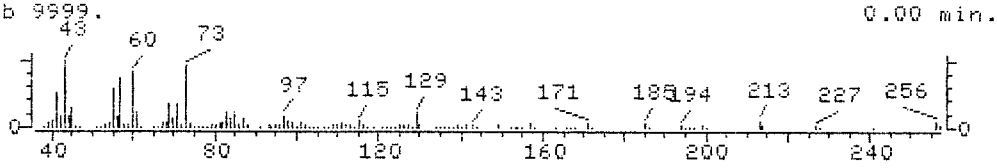
File >BIGDB Propanoic acid, 2-methyl-, 1-(1,1-dimethylethyl)- Scan 3943
Bpk Ab 9999. 0.00 min.



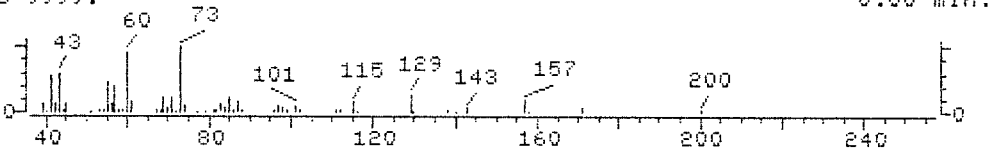
File >U0314 E0831-02SL-6/7 50.493G 1ML Scan 2102
Bpk Ab 9999. NRM ENH 25.36 min.



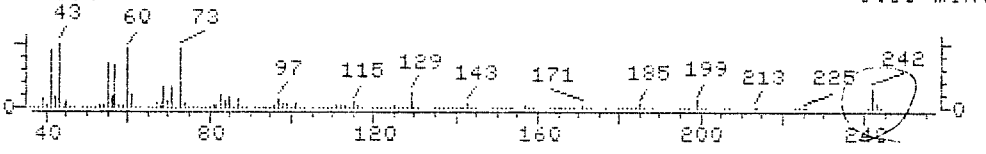
File >BIGDB Hexadecanoic acid (9CI) Scan 2008
Bpk Ab 9999. 0.00 min.



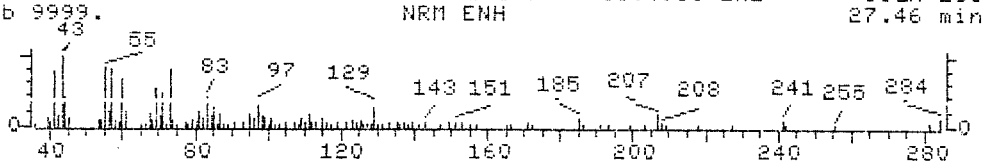
File >BIGDB Dodecanamide, N,N-bis(2-hydroxyethyl)- (8CI9CI) Scan 1984
Bpk Ab 9999. 0.00 min.



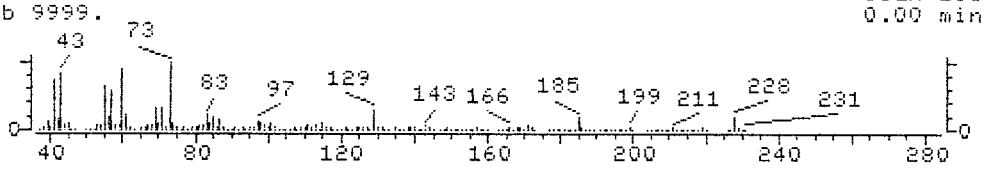
File >BIGDB Pentadecanoic acid (8CI9CI) Scan 2007
Bpk Ab 9999. 0.00 min.



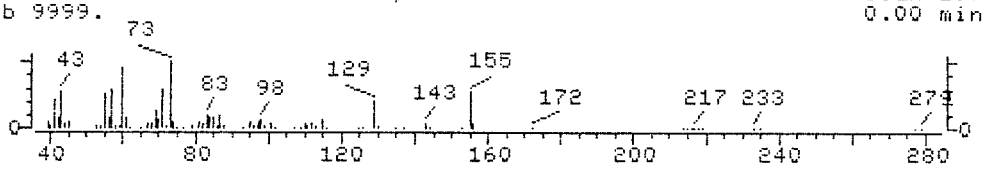
File >UCS14 E0831-02SL-6/7 50.4936 1ML Scan 2303
Bpk Ab 9999. NRM ENH 27.46 min.



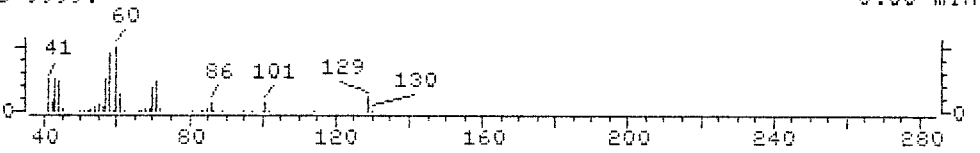
File >BIGDB Tetradecanoic acid (9CI) Scan 2005
Bpk Ab 9999. 0.00 min.



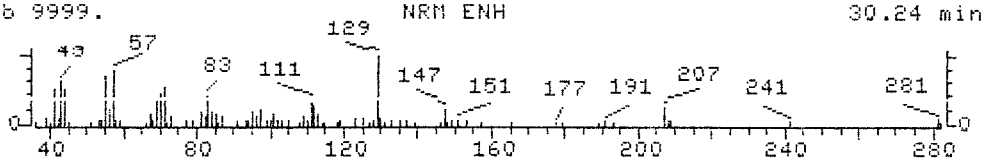
File >BIGDB Decanoic acid, silver(1+) salt (9CI) Scan 1971
Bpk Ab 9999. 0.00 min.



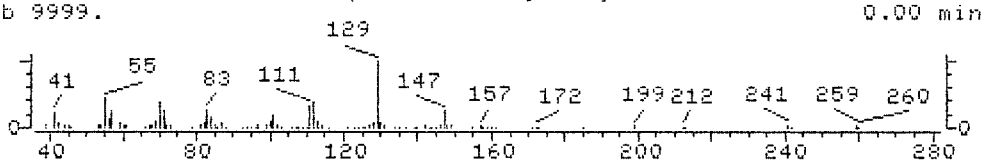
File >BIGDB Butyraldehyde, semicarbazone (8CI) Scan 1927
Bpk Ab 9999. 0.00 min.



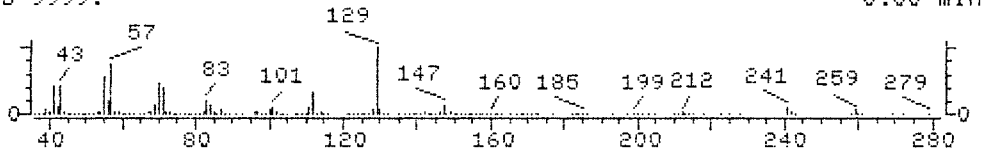
File >U0314 E0831-02SL-6/7 50.4930 1ML Scan 2569
Bpk Ab 9999. NRM ENH 30.24 min.



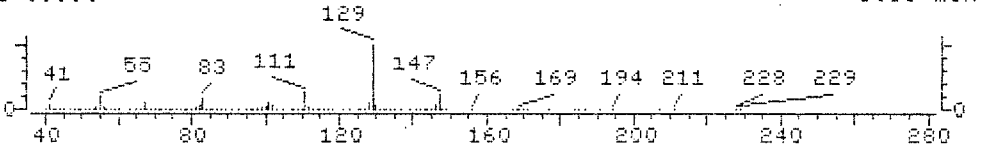
File >BIGDB Hexanedioic acid, mono(2-ethylhexyl)ester (9CI) Scan 13850
Bpk Ab 9999. 0.00 min.



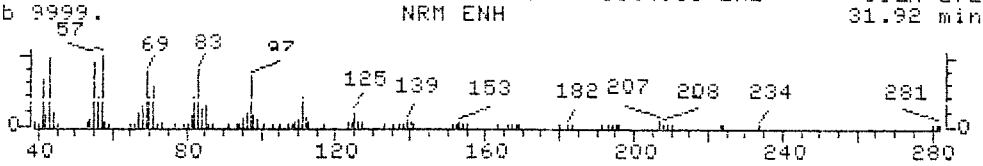
File >BIGDB Hexanedioic acid, dioctyl ester (9CI) Scan 13849
Bpk Ab 9999. 0.00 min.



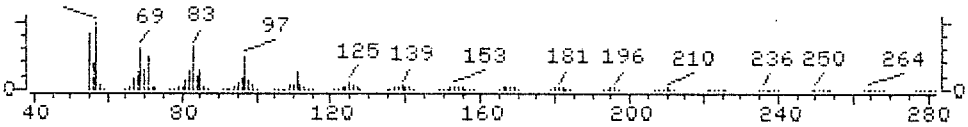
File >BIGDB Hexanedioic acid, dicyclohexyl ester (9CI) Scan 13803
Bpk Ab 9999. 0.00 min.



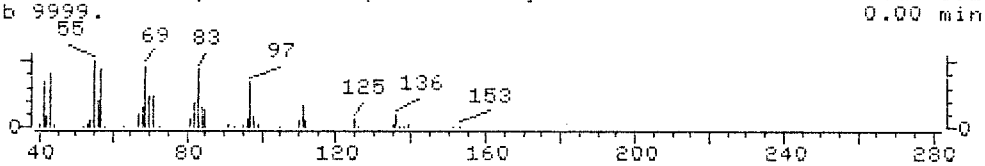
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 2729
Bpk Ab 9999. NRM ENH 31.92 min.



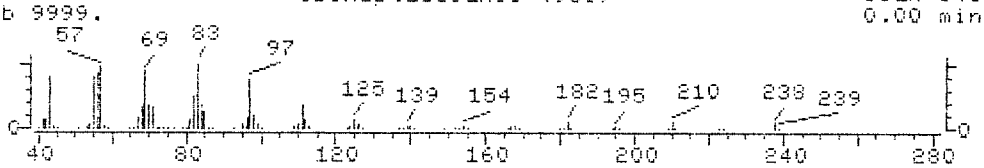
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.



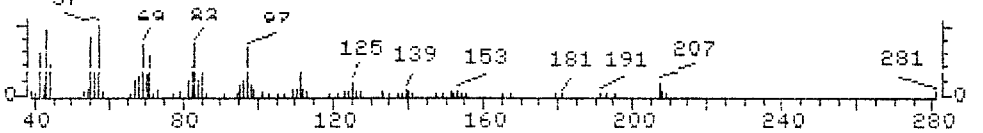
File >BIGDB Phosphonic acid, dioctadecyl ester (8CI9CI) Scan 8329
Bpk Ab 9999. 0.00 min.



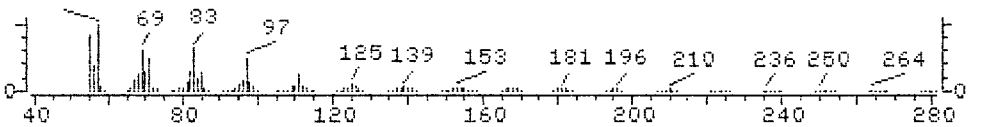
File >BIGDB Isoheptadecanol (9CI) Scan 8454
Bpk Ab 9999. 0.00 min.



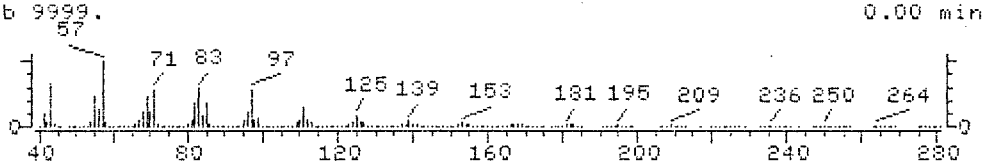
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 3134
Bpk Ab 9999. NRM ENH 36.15 min.



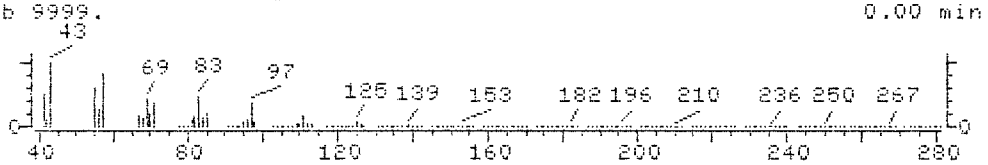
File >BIGOB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.



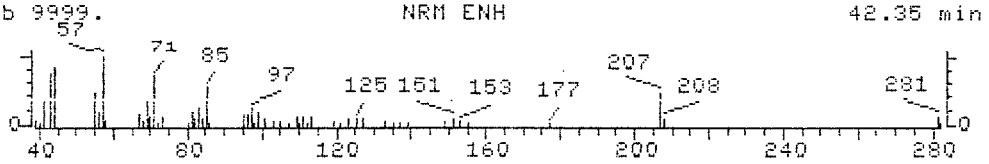
File >BIGOB 1-Hentetracontanol (9CI) Scan 8384
Bpk Ab 9999. 0.00 min.



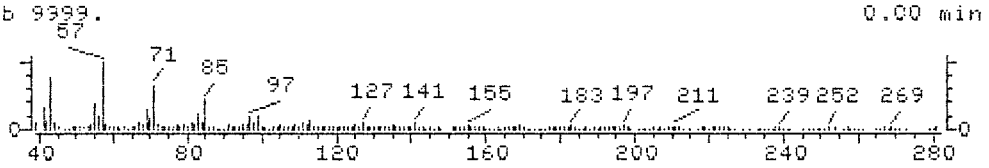
File >BIGOB 17-Pentatriacontene (8CI) Scan 8334
Bpk Ab 9999. 0.00 min.



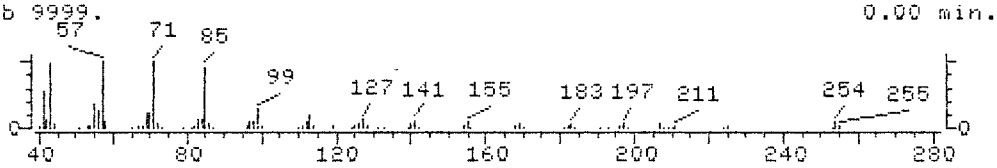
File >U0314 E0831-02SL-6/7 50.4936 1ML Scan 3729
Bpk Ab 9999. NRM ENH 42.35 min.



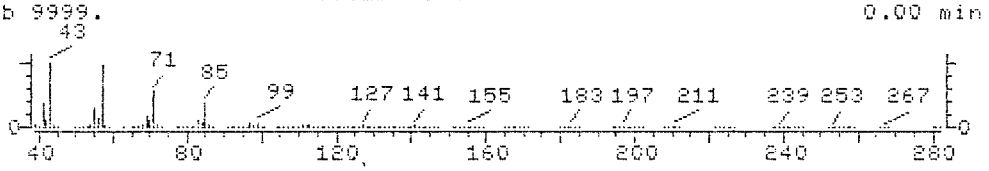
File >BIGDB Dotriacontane (8CI9CI) Scan 6261
Bpk Ab 9999. 0.00 min.



File >BIGDB Octadecane (8CI9CI) Scan 6277
Bpk Ab 9999. 0.00 min.



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



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0315

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	268	U
111-44-4	bis(2-Chloroethyl)ether	268	U
95-57-8	2-Chlorophenol	268	U
1-73-1	1,3-Dichlorobenzene	268	U
06-46-7	1,4-Dichlorobenzene	268	U
95-50-1	1,2-Dichlorobenzene	268	U
95-48-7	2-Methylphenol	268	U
108-60-1	2,2'-oxybis(1-Chloropropane)	268	U
106-44-5	4-Methylphenol	268	U
621-64-7	N-Nitroso-di-n-propylamine	268	U
67-72-1	Hexachloroethane	268	U
98-95-3	Nitrobenzene	268	U
78-59-1	Isophorone	268	U
88-75-5	2-Nitrophenol	268	U
105-67-9	2,4-Dimethylphenol	268	U
111-91-1	bis(2-Chloroethoxy)methane	268	U
120-83-2	2,4-Dichlorophenol	268	U
120-82-1	1,2,4-Trichlorobenzene	268	U
91-20-3	Naphthalene	268	U
106-47-8	4-Chloroaniline	268	U
87-68-3	Hexachlorobutadiene	268	U
59-50-7	4-Chloro-3-methylphenol	268	U
91-57-6	2-Methylnaphthalene	268	U
77-47-4	Hexachlorocyclopentadiene	93	J
88-06-2	2,4,6-Trichlorophenol	268	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	268	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	268	U
208-96-8	Acenaphthylene	268	U
6-20-2	2,6-Dinitrotoluene	268	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	268	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0315

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

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

CAS NO.	COMPOUND	ug/Kg	Q
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	268	U
1-14-2	2,4-Dinitrotoluene	268	U
4-66-2	Diethylphthalate	268	U
7005-72-3	4-chlorophenyl-phenylether	268	U
86-73-7	Fluorene	268	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine (1)	268	U
101-55-3	4-Bromophenyl-phenylether	268	U
118-74-1	Hexachlorobenzene	268	U
87-86-5	Pentachlorophenol	62	J
85-01-8	Phenanthrene	75	J
120-12-7	Anthracene	268	U
86-74-8	Carbazole	268	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	93	J
129-00-0	Pyrene	111	J
85-68-7	Butylbenzylphthalate	268	U
91-94-1	3,3'-Dichlorobenzidine	268	U
56-55-3	Benzo(a)anthracene	51	
218-01-9	Chrysene	66	
117-81-7	bis(2-Ethylhexyl)phthalate	428	B
117-84-0	Di-n-octylphthalate	268	U
205-99-2	Benzo(b)fluoranthene	91	
207-08-9	Benzo(k)fluoranthene	29	J
50-32-8	Benzo(a)pyrene	47	J
193-39-5	Indeno(1,2,3-cd)pyrene	40	U
53-70-3	Dibenz(a,h)anthracene	40	U
1-24-2	Benzo(g,h,i)perylene	268	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SL-08

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix:(soil/water) soil Lab Sample ID: SL-08

Sample wt/vol: 50.4 (g/mL) g Lab File ID: >U0315

Level: (low/med) low Date Received: 08/31/94

%Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

Number TICs found: 20 CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN AROMATIC HYDROCARBON	23.37	536	J
2.		UNKNOWN HYDROCARBON	23.42	509	J
3.		UNKNOWN HYDROCARBON	25.11	2038	J
4.	57-10-3	HEXADECANOIC ACID	25.40	938	J
5.	76-44-8	HEPTACHLOR	25.59	2360	J
6.		UNKNOWN HALOGENATED HYDROCARBON	26.21	1287	J
7.		UNKNOWN HALOGENATED HYDROCARBON	26.46	804	J
8.	629-73-2	HEXADECENE	26.80	2789	J
9.		UNKNOWN HALOGENATED HYDROCARBON	27.00	1180	J
10.		UNKNOWN HALOGENATED HYDROCARBON	27.60	992	J
11.		UNKNOWN HALOGENATED HYDROCARBON	27.73	885	J
12.	5103-74-2	GAMMA-CHLORDANE	27.80	670	J
13.	5103-71-9	ALPHA-CHLORDANE	28.12	3325	J
14.		UNKNOWN HALOGENATED HYDROCARBON	29.84	1877	J
15.		UNKOWN HALOGENATED AROMATIC	30.45	3164	J
16.		UNKWOWN ALKYL ALCOHOL	31.93	2172	J
17.		UNKWOWN ALKYL ALCOHOL	36.16	2654	J
18.		UNKNOWN HYDROCARBON	42.40	2923	J
19.	70-30-4	HEXACHLOROPHENE	42.83	3459	J
20.	3234-84-2	DODECANOIC ACID, OCTADELCYL ESTER	56.36	2896	J
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

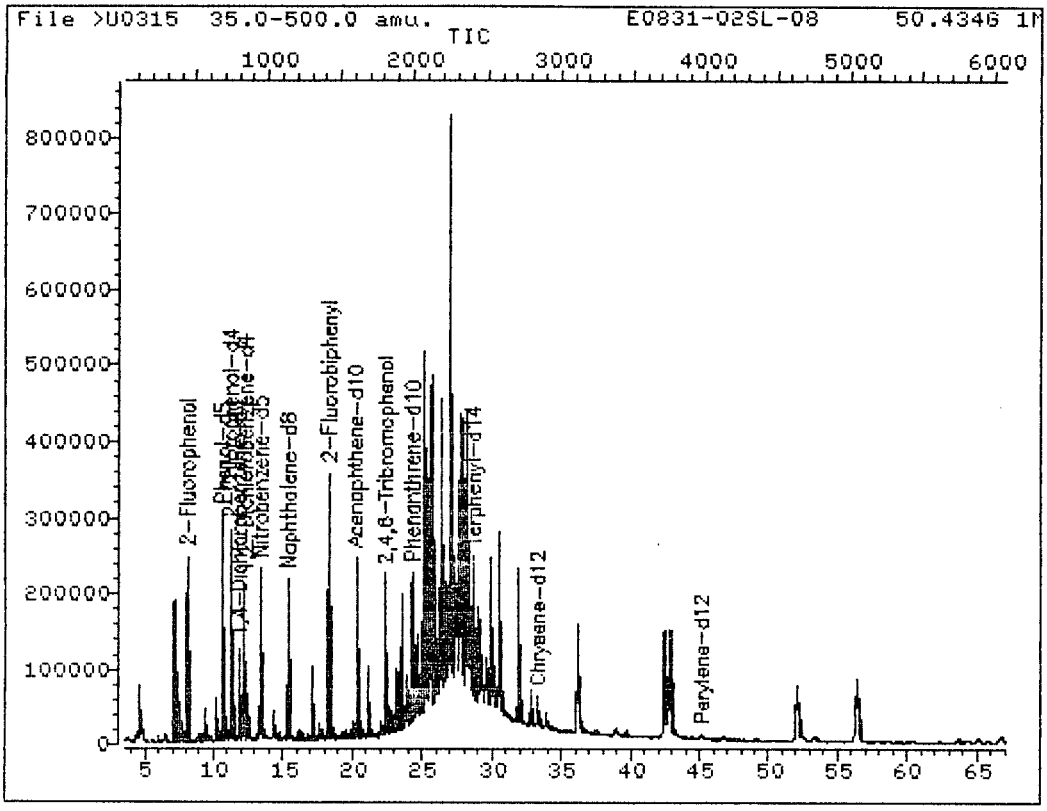
Operator ID: ANDY Quant Rev: 7 Quant Time: 940906 14:30
Output File: ^U0315::A5 Injected at: 940906 01:59
Data File: >U0315::A0 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-08 50.434G 1ML BTL#16

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 23:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	58625	20.00	UG/ML	67
2)	2-Fluorophenol	8.01	112.0	171345	52.65	UG/ML	94
3)	Phenol-d5	10.56	99.0	236937	52.46	UG/ML	86
4)	2-Chlorophenol-d4	11.11	132.0	188240	49.42	UG/ML	94
5)	1,2-Dichlorobenzene-d4	12.19	152.0	95686	33.18	UG/ML	56
17)	*Naphthalene-d8	15.31	136.0	226599	20.00	UG/ML	98
18)	Nitrobenzene-d5	13.28	82.0	169667	40.69	UG/ML	54
31)	*Acenaphthene-d10	20.16	164.0	139342	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.67	237.0	3535	3.48	UG/ML	96
34)	2,4,5-Trichlorophenol	18.11	196.0	2584	1.05	UG/ML	92
36)	2-Fluorobiphenyl	18.24	172.0	284566	39.97	UG/ML	96
51)	*Phenanthrene-d10	24.24	188.0	171657	20.00	UG/ML	96
54)	2,4,6-Tribromophenol	22.30	330.0	83047	64.12	UG/ML	97
57)	Pentachlorophenol	23.65	266.0	2843	2.32	UG/ML	90
58)	Phenanthrene	24.31	178.0	26099	2.80	UG/ML	98
61)	Di-n-butylphthalate	25.55	149.0	22182	1.74	UG/ML	90
62)	Fluoranthene	27.59	202.0	29762	3.45	UG/ML	71
63)	*Chrysene-d12	33.25	240.0	59243	20.00	UG/ML	92
64)	Pyrene	28.34	202.0	23509	4.14	UG/ML	76
65)	Terphenyl-d14	28.57	244.0	191222	54.06	UG/ML	92
68)	Benzo(a)anthracene	33.19	228.0	5942	1.89	UG/ML	94
69)	Chrysene	33.40	228.0	6846M	2.45	UG/ML	95
70)	bis(2-Ethylhexyl)phthalate	32.73	149.0	59403	15.97	UG/ML	95
71)	*Perylene-d12	45.09	264.0	21117	20.00	UG/ML	92
73)	Benzo(b)fluoranthene	41.11	252.0	4941	3.41	UG/ML	67
74)	Benzo(k)fluoranthene	41.36	252.0	1544M	1.09	UG/ML	67
75)	Benzo(a)pyrene	44.49	252.0	1869M	1.76	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

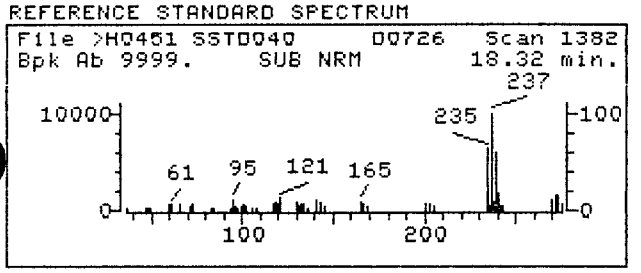


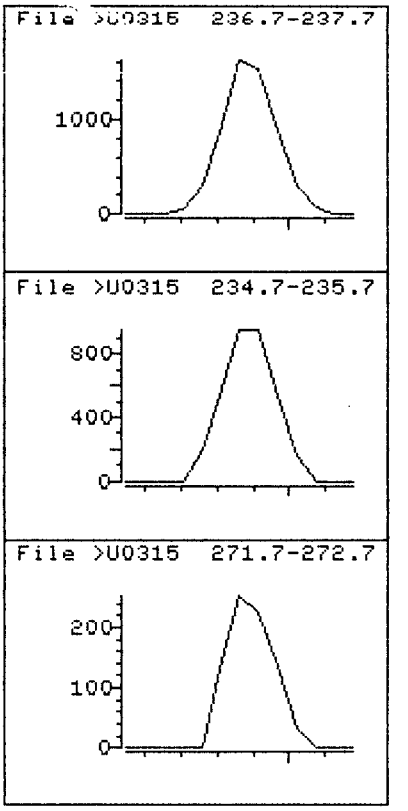
Data File: >U0315 Quant Output File: ^U0315::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-08 50.434G 1ML BTL#16

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 23:33

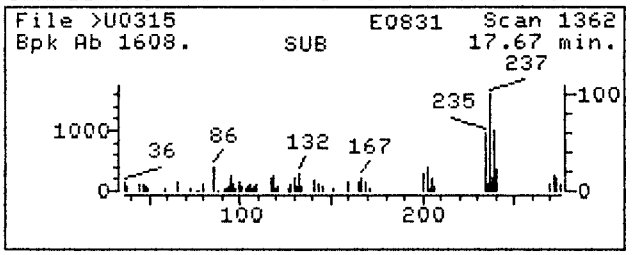
Operator ID: ANDY
Quant Time : 940906 14:30
Injected at: 940906 01:59

REFERENCE STANDARD SPECTRUM

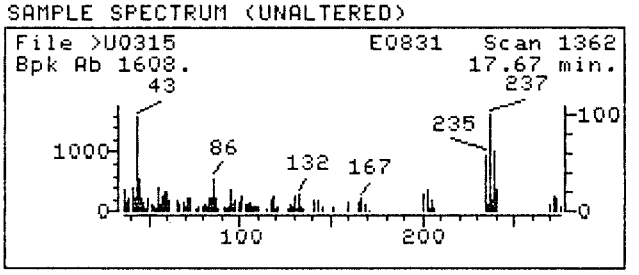




SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

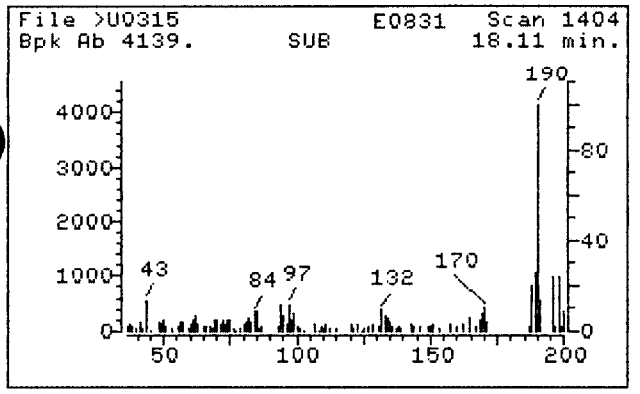


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

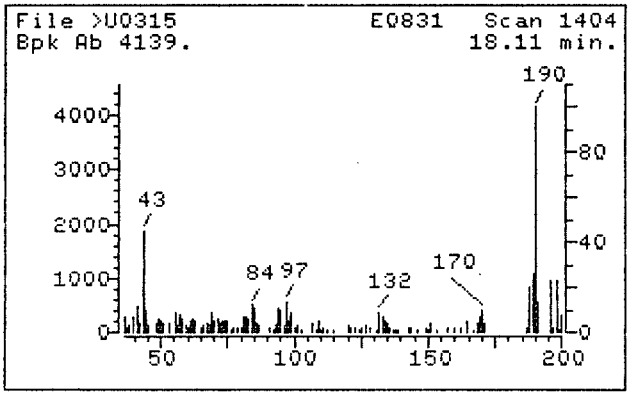
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

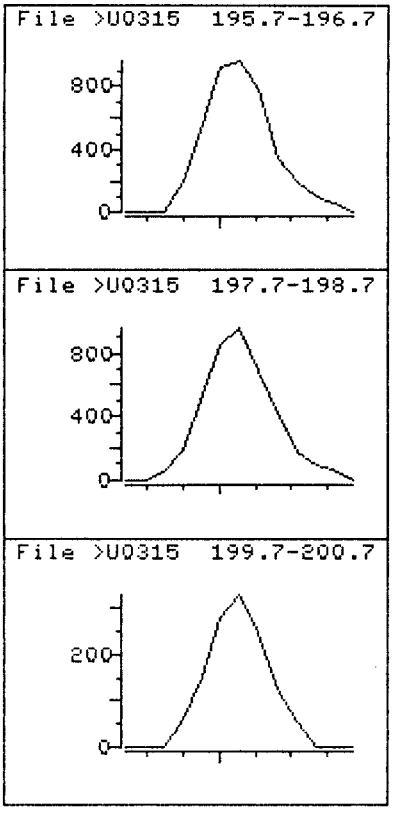
Compound No : 32
Compound Name : Hexachlorocyclopentadiene
Scan Number : 1362
Retention Time: 17.67 min.
Quant Ion : 237.0
Area : 3535
Concentration : 3.48 UG/ML
q-value : 96

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



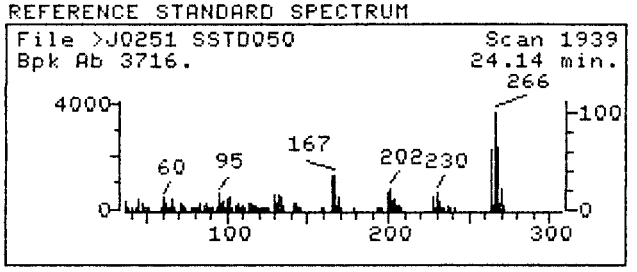


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

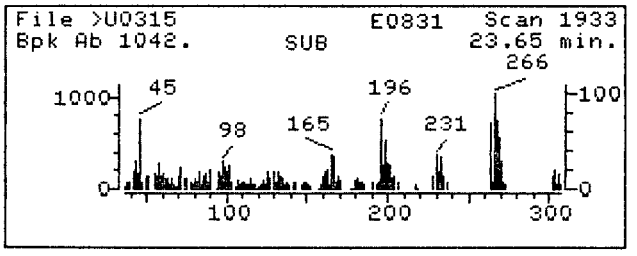
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 34
Compound Name : 2,4,5-Trichlorophenol
Scan Number : 1404
Retention Time: 18.11 min.
Quant Ion : 196.0
Area : 2584
Concentration : 1.05 UG/ML
q-value : 92

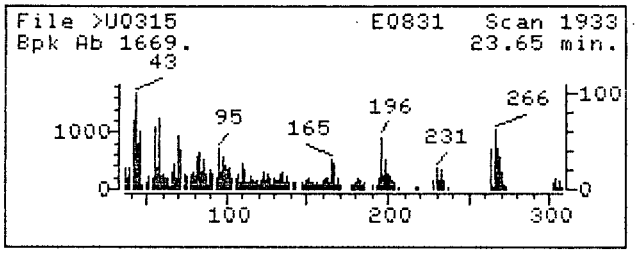
REFERENCE STANDARD SPECTRUM

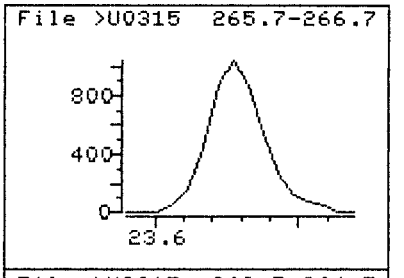


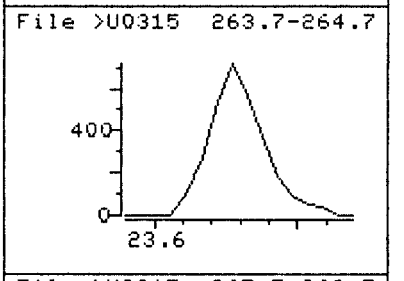
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

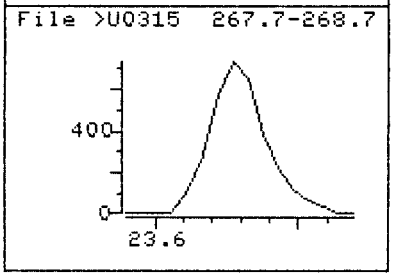


SAMPLE SPECTRUM (UNALTERED)







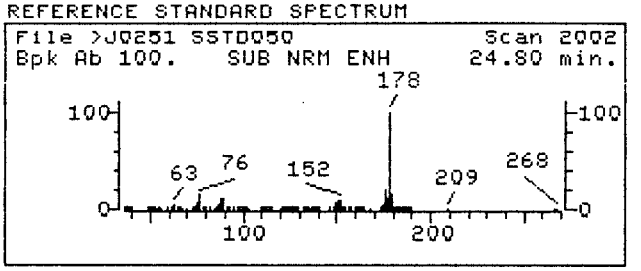


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

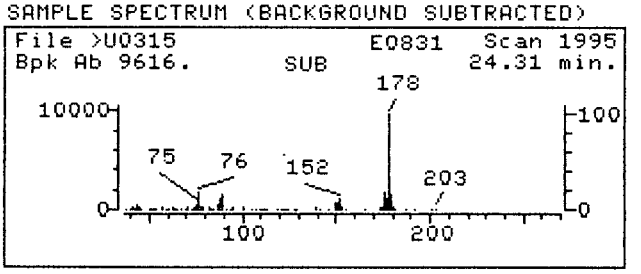
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 57
Compound Name : Pentachlorophenol
Scan Number : 1933
Retention Time: 23.65 min.
Quant Ion : 266.0
Area : 2843
Concentration : 2.32 UG/ML
q-value : 90

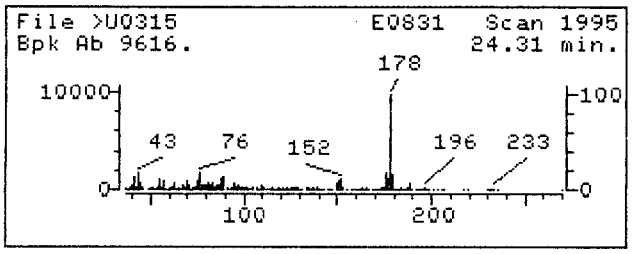
REFERENCE STANDARD SPECTRUM

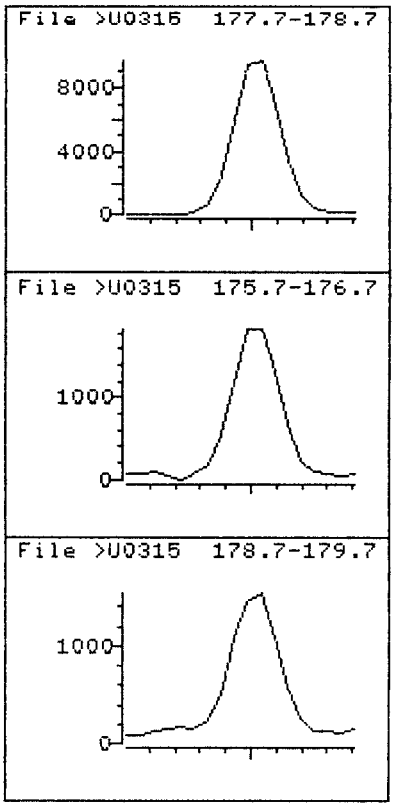


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



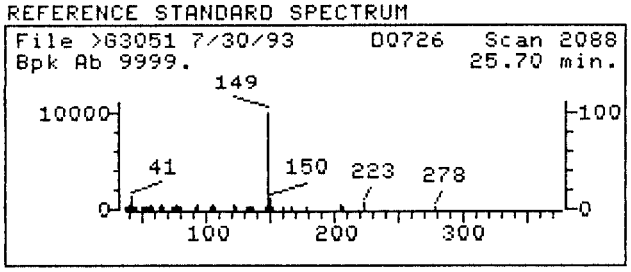


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

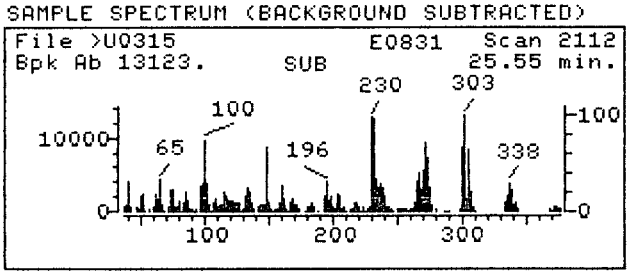
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 1995
Retention Time: 24.31 min.
Quant Ion : 178.0
Area : 26099
Concentration : 2.80 UG/ML
q-value : 98

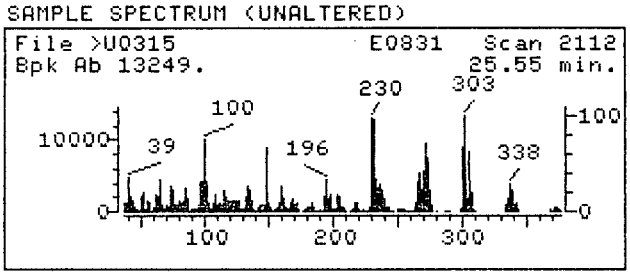
REFERENCE STANDARD SPECTRUM

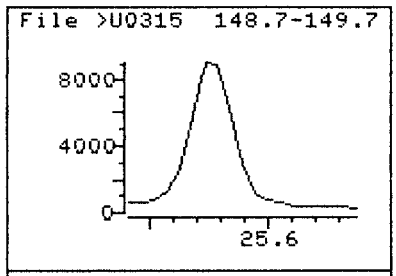


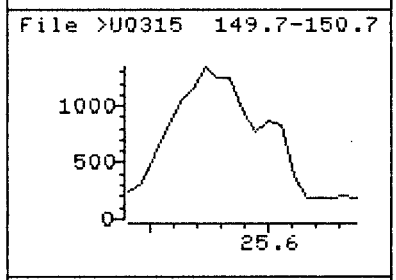
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

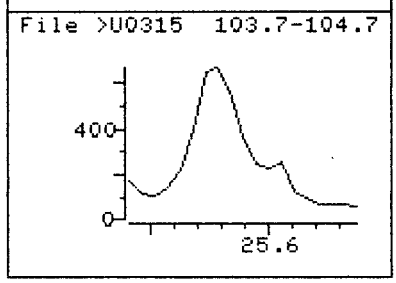


SAMPLE SPECTRUM (UNALTERED)







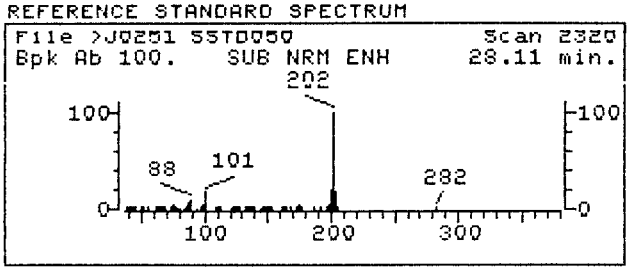


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

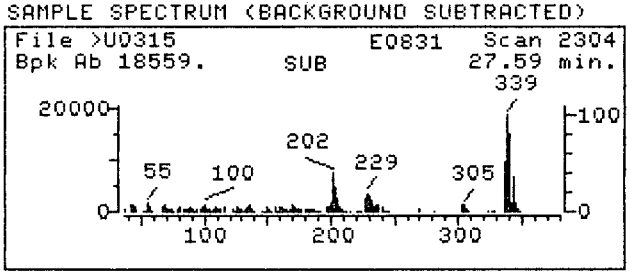
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2112
Retention Time: 25.55 min.
Quant Ion : 149.0
Area : 22182
Concentration : 1.74 UG/ML
q-value : 90

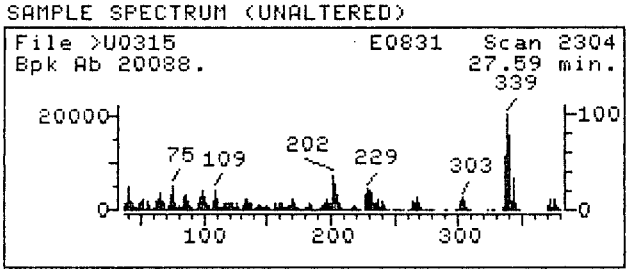
REFERENCE STANDARD SPECTRUM

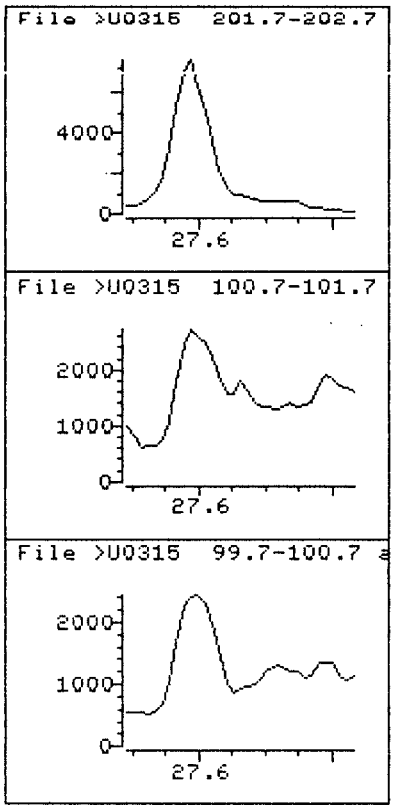


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



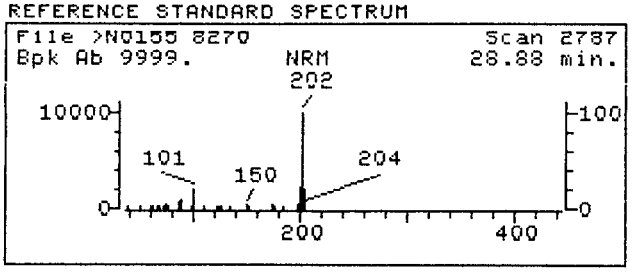


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

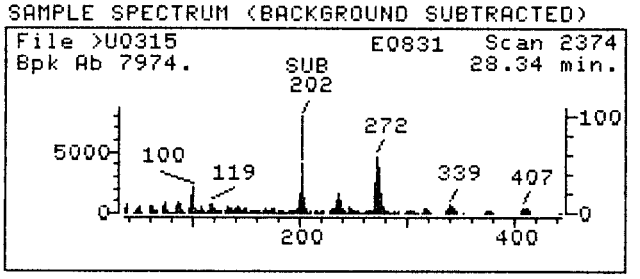
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2304
Retention Time: 27.59 min.
Quant Ion : 202.0
Area : 29762
Concentration : 3.45 UG/ML
q-value : 71

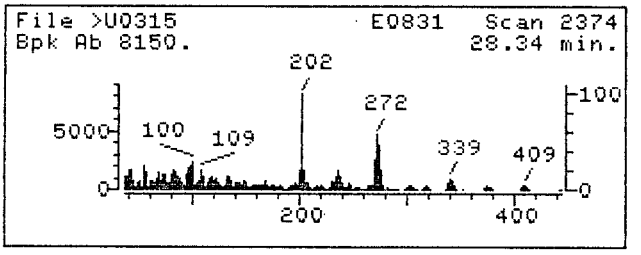
REFERENCE STANDARD SPECTRUM

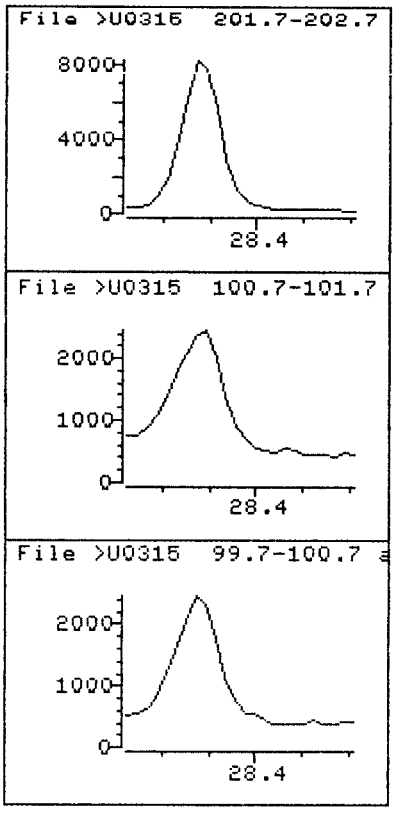


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



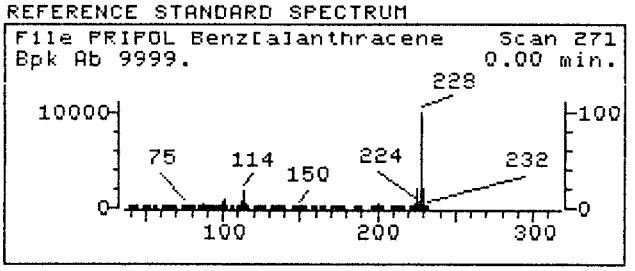


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

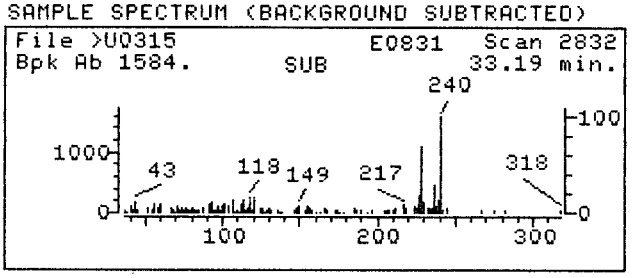
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 64
Compound Name : Pyrene
Scan Number : 2374
Retention Time: 28.34 min.
Quant Ion : 202.0
Area : 23509
Concentration : 4.14 UG/ML
q-value : 76

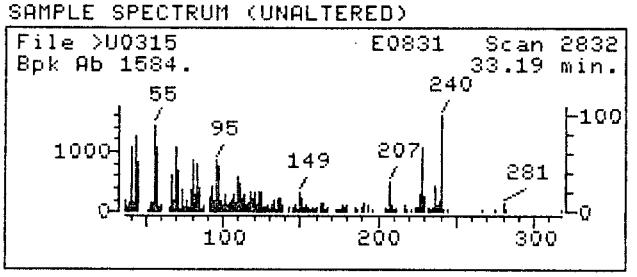
REFERENCE STANDARD SPECTRUM

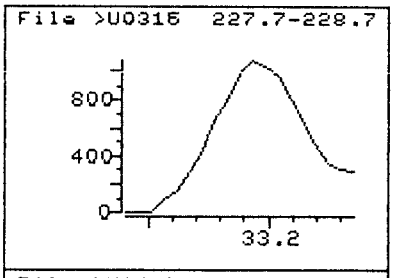


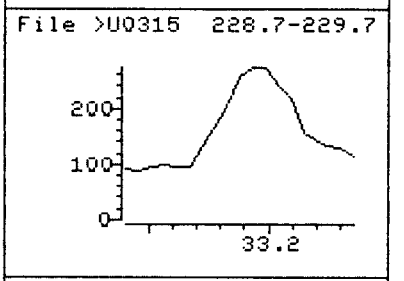
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

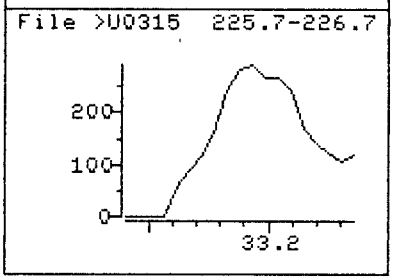


SAMPLE SPECTRUM (UNALTERED)







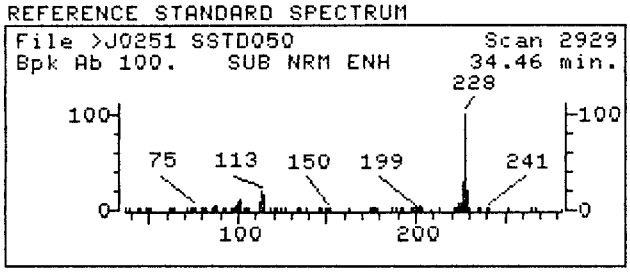


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

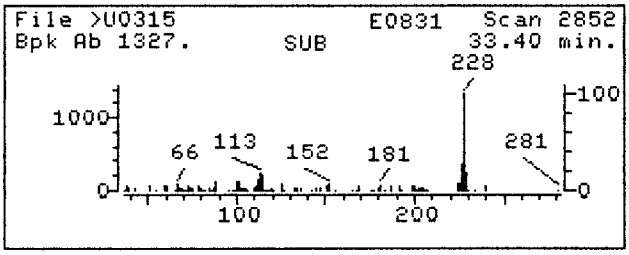
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2832
Retention Time: 33.19 min.
Quant Ion : 228.0
Area : 5942
Concentration : 1.89 UG/ML
q-value : 94

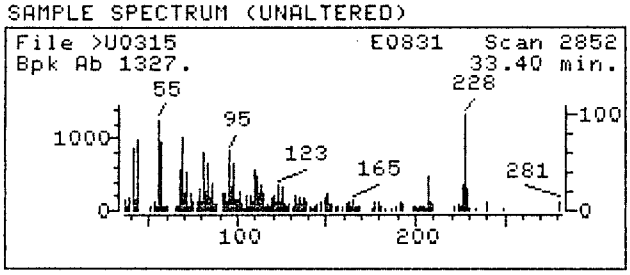
REFERENCE STANDARD SPECTRUM

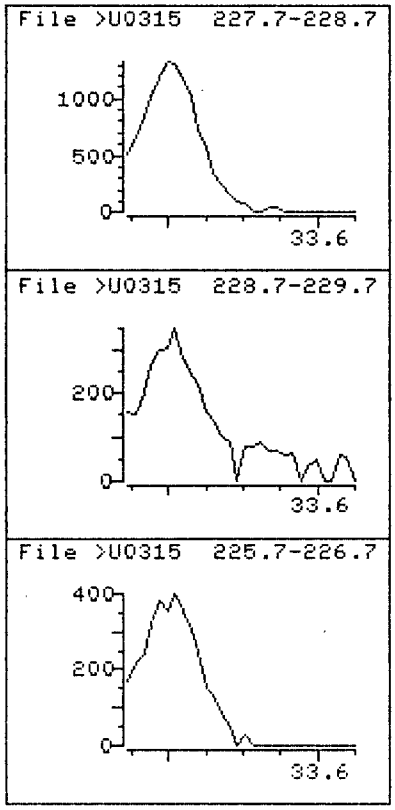


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



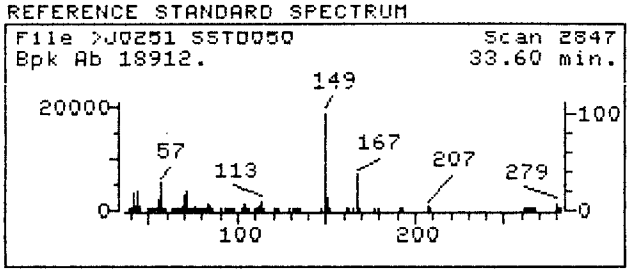


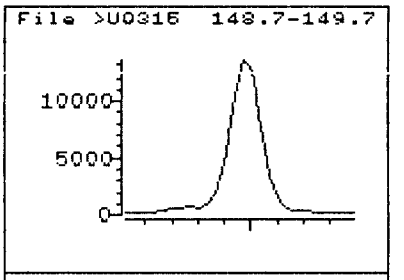
Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

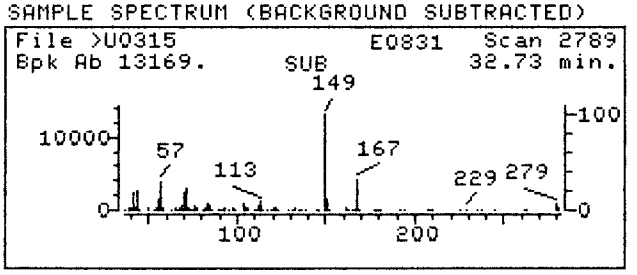
Compound No : 69
Compound Name : Chrysene
Scan Number : 2852
Retention Time: 33.40 min.
Quant Ion : 228.0
Area : 6846M
Concentration : 2.45 UG/ML
q-value : 95

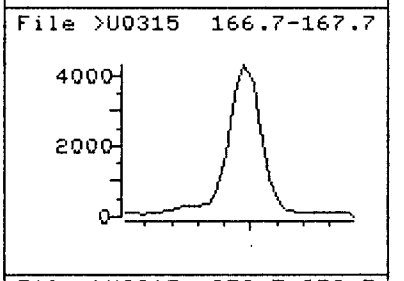
REFERENCE STANDARD SPECTRUM



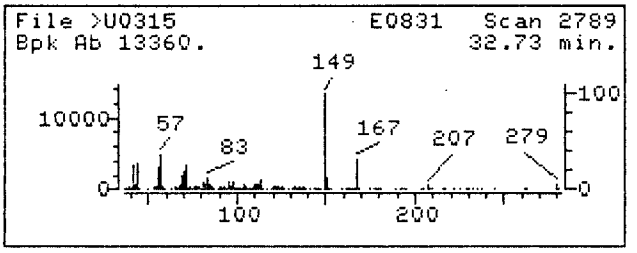


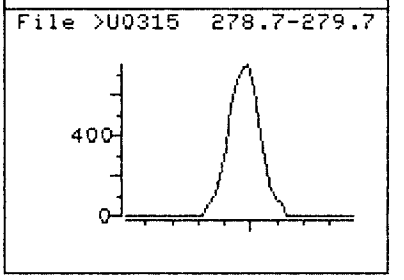
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



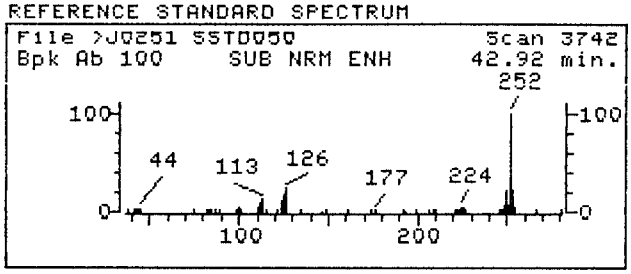


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

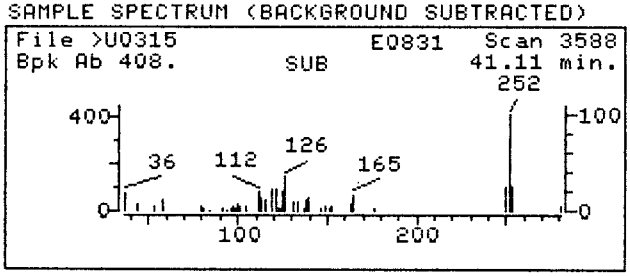
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2789
Retention Time: 32.73 min.
Quant Ion : 149.0
Area : 59403
Concentration : 15.97 UG/ML
q-value : 95

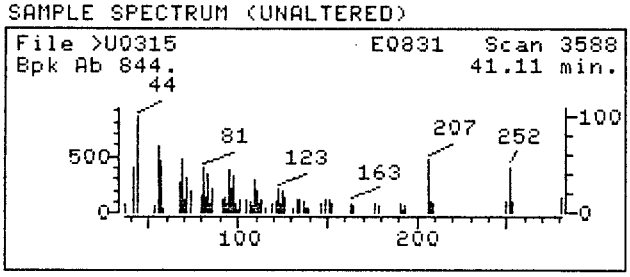
REFERENCE STANDARD SPECTRUM

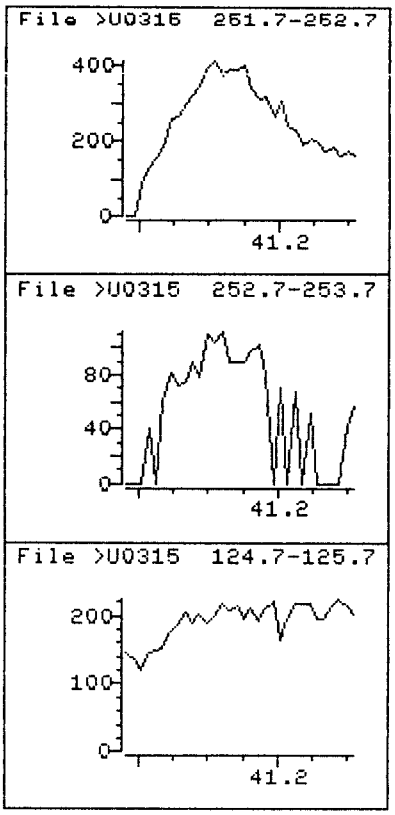


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



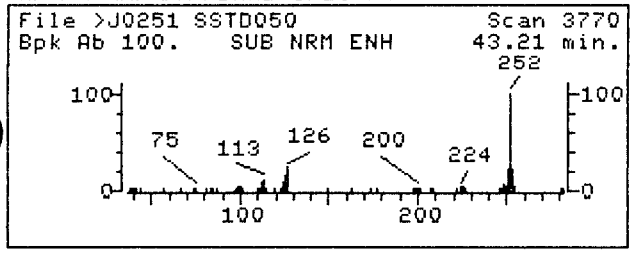


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

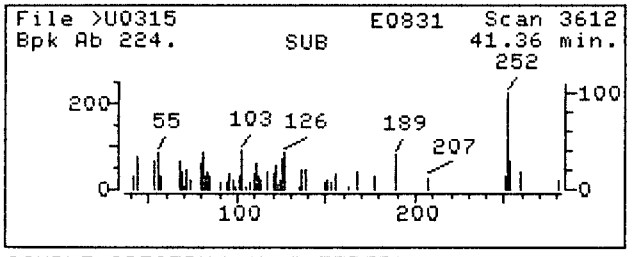
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3588
Retention Time: 41.11 min.
Quant Ion : 252.0
Area : 4941
Concentration : 3.41 UG/ML
q-value : 67

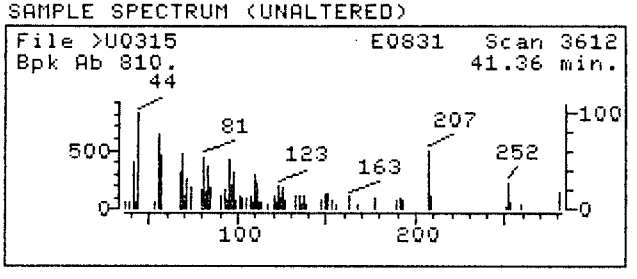
REFERENCE STANDARD SPECTRUM

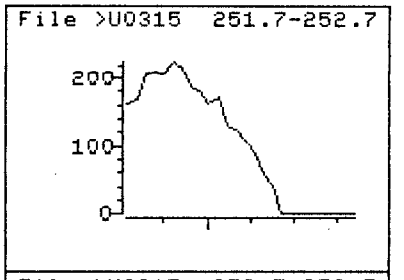


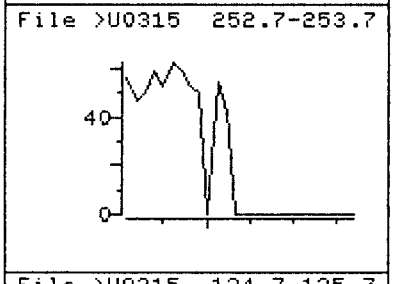
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

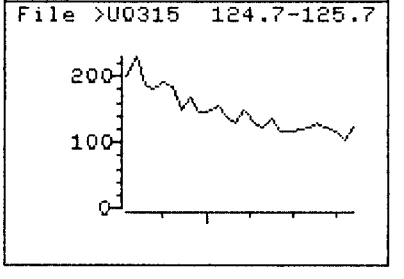


SAMPLE SPECTRUM (UNALTERED)







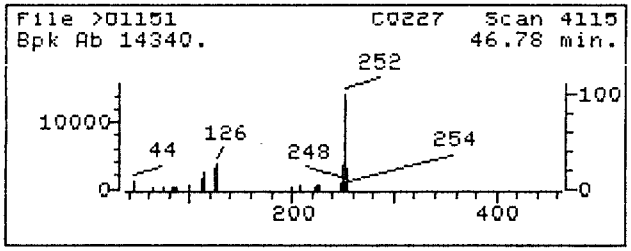


Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

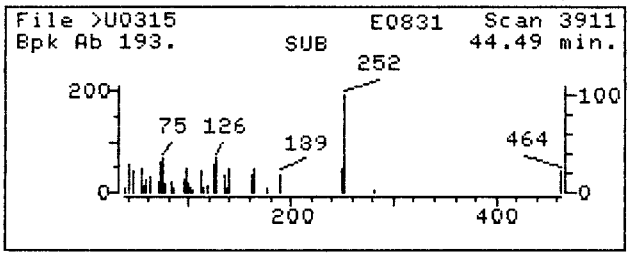
Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3612
Retention Time: 41.36 min.
Quant Ion : 252.0
Area : 1544M
Concentration : 1.09 UG/ML
q-value : 67

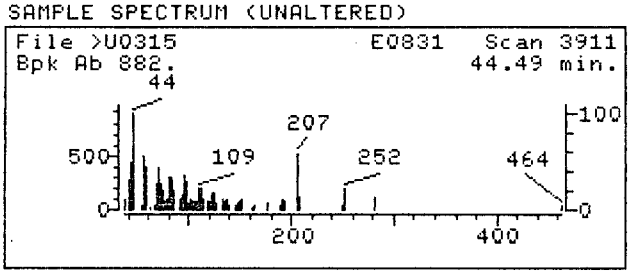
REFERENCE STANDARD SPECTRUM

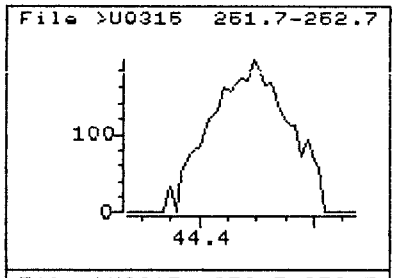


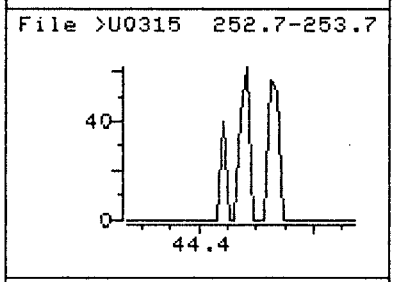
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

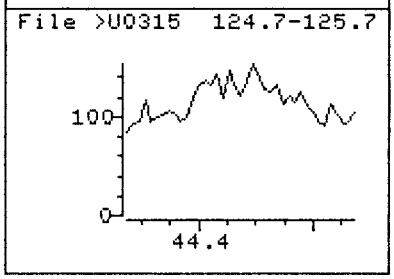


SAMPLE SPECTRUM (UNALTERED)





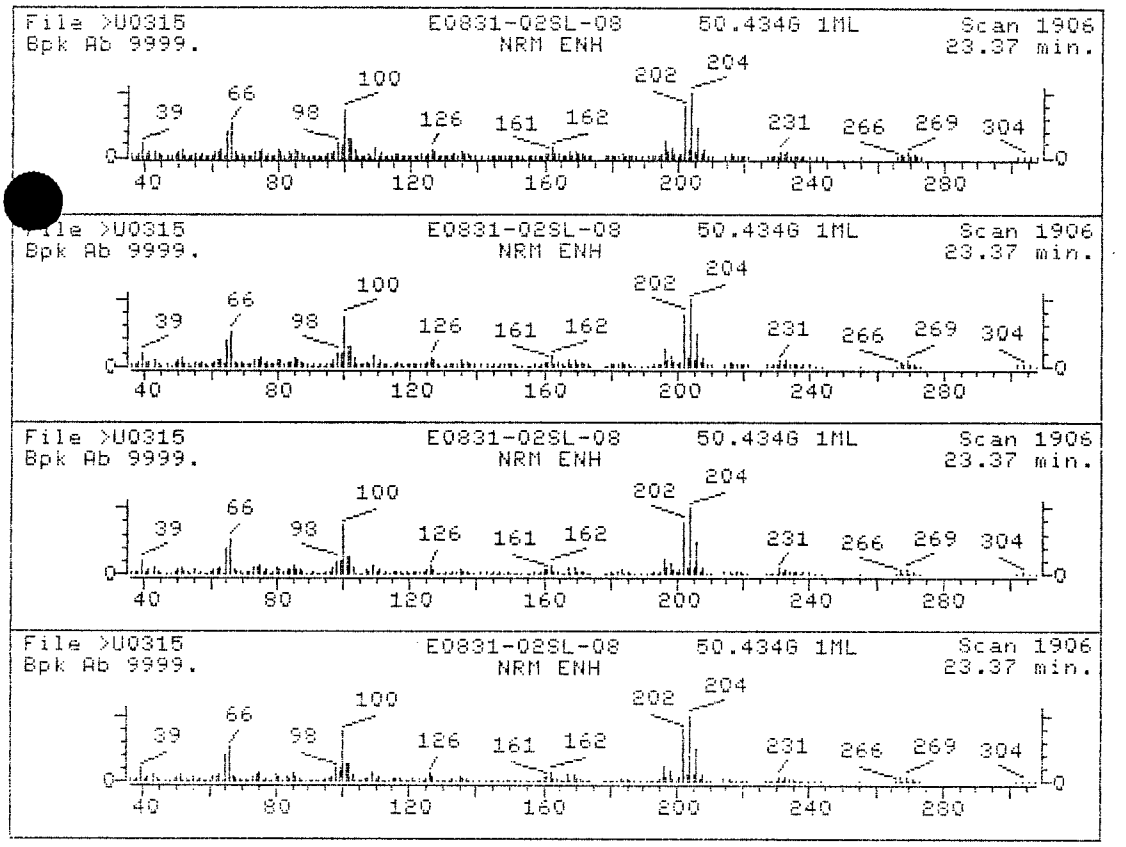




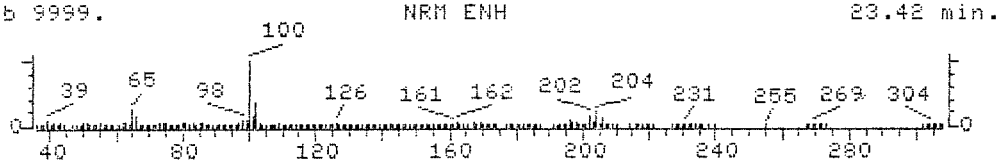
Data File: >U0315
Name: E0831-02
Misc: SL-08 50.434G 1ML
Quant Time: 940906 14:30
Injected at: 940906 01:59
Last Qcal Time: 940905 23:33

Quant Output File: ^U0315::A5
Instrument ID: MACH-2
BTL#16
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

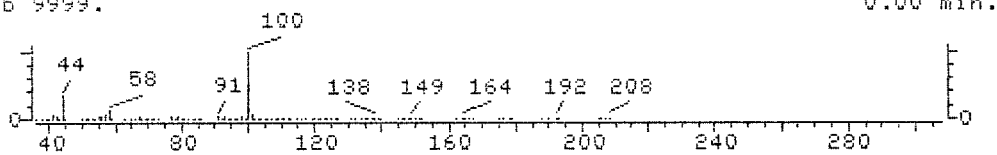
Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3911
Retention Time: 44.49 min.
Quant Ion : 252.0
Area : 1869M
Concentration : 1.76 UG/ML


File >U0315
Bpk Ab 9999.
E0831-02SL-08
NRM ENH
50.434G 1ML
Scan 1906
23.37 min.
39
66
98
100
126
161
162
202
204
231
266
269
304
40
80
120
160
200
240
280

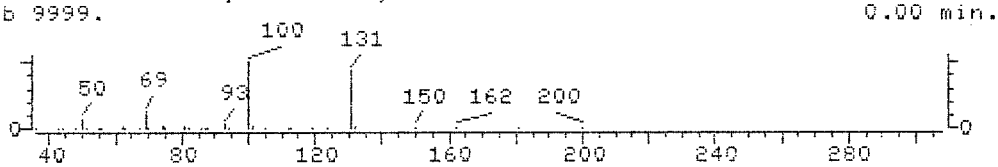
File >U0315 E0831-02SL-08 50.4346 1ML Scan 1911
Bpk Ab 9999. NRM ENH 23.42 min.



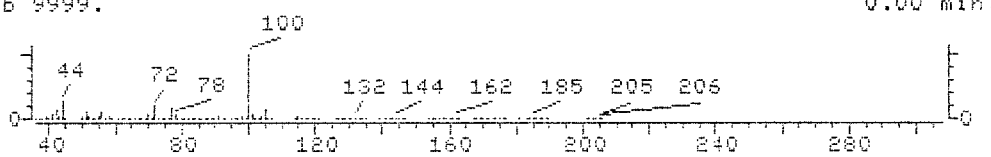
File >BIGDB 4,7,9-Decatrien-2-amine, N-butyl- (9CI) Scan 9114
Bpk Ab 9999. 0.00 min.



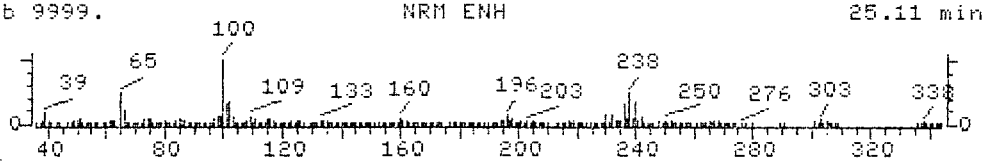
File >BIGDB Cyclobutane, octafluoro- (8CI9CI) Scan 9143
Bpk Ab 9999. 0.00 min.



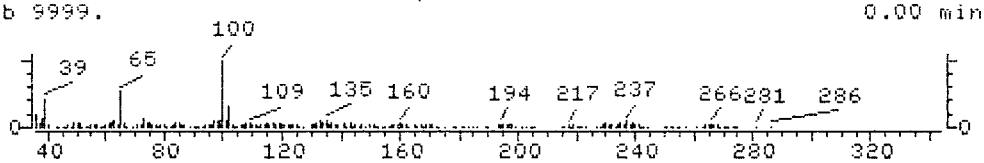
File >BIGDB 1-Propanone, 2-(diethylamino)-1-phenyl- (9CI) Scan 9125
Bpk Ab 9999. 0.00 min.



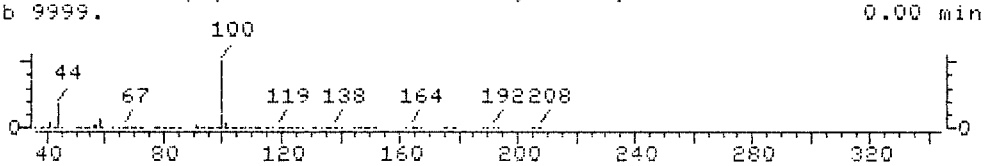
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2071
Bpk Ab 9999. NRM ENH 25.11 min.



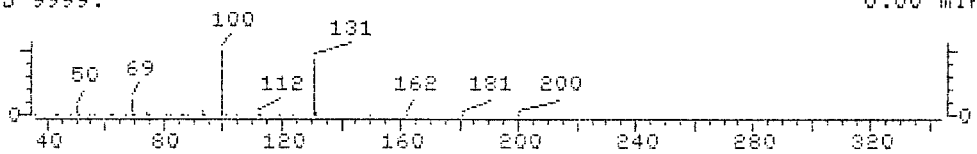
File PRIPOL Heptachlor Scan 380
Bpk Ab 9999. 0.00 min.



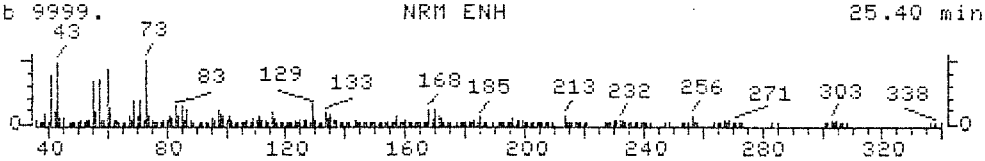
File >BIGDB 4,7,9-Decatrien-2-amine, N-butyl- (9CI) Scan 9114
Bpk Ab 9999. 0.00 min.



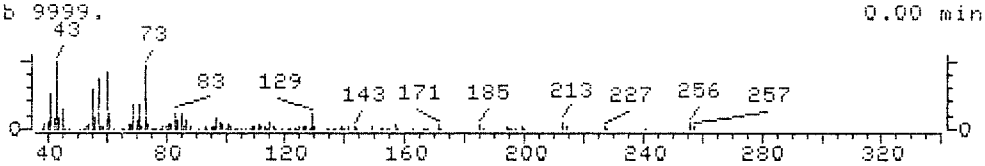
File >BIGDB Cyclobutane, octafluoro- (8CI9CI) Scan 9143
Bpk Ab 9999. 0.00 min.



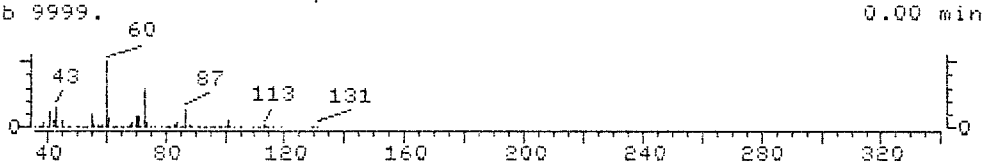
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2098
Bpk Ab 9999. NRM ENH 25.40 min.



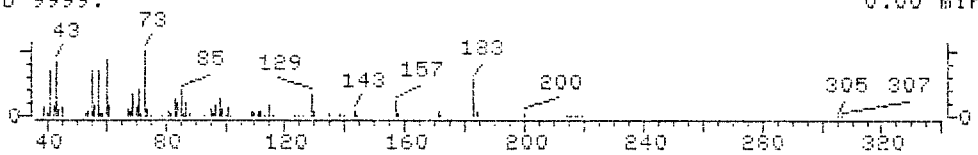
File >BIGDB Hexadecanoic acid (9CI) Scan 2008
Bpk Ab 9999. 0.00 min.



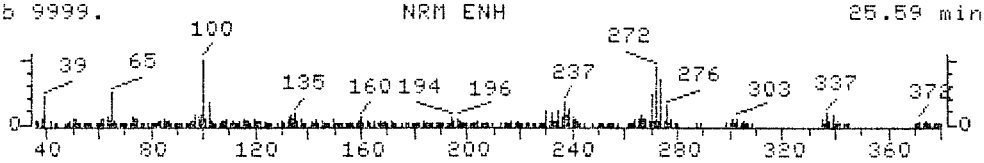
File >BIGDB Heptanoic acid (8CI9CI) Scan 1881
Bpk Ab 9999. 0.00 min.



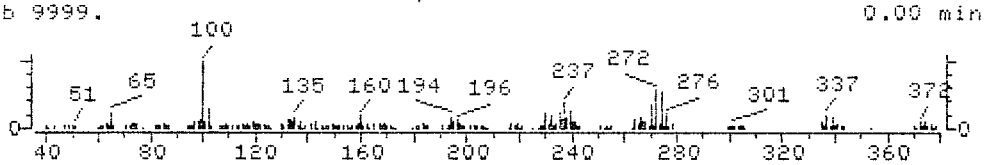
File >BIGDB Dodecanoic acid, silver(1+) salt (9CI) Scan 1998
Bpk Ab 9999. 0.00 min.



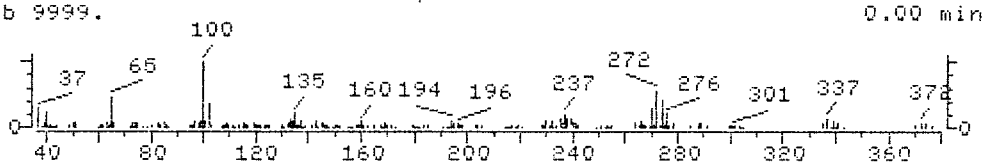
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2116
Bpk Ab 9999. NRM ENH 25.59 min.



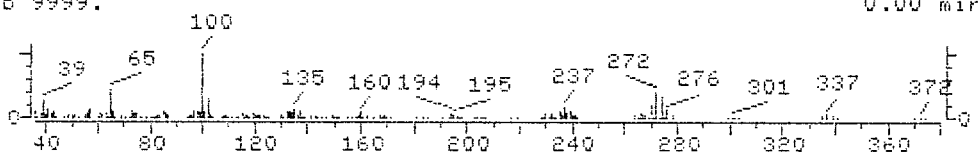
File PRIPOL Heptachlor Scan 381
Bpk Ab 9999. 0.00 min.



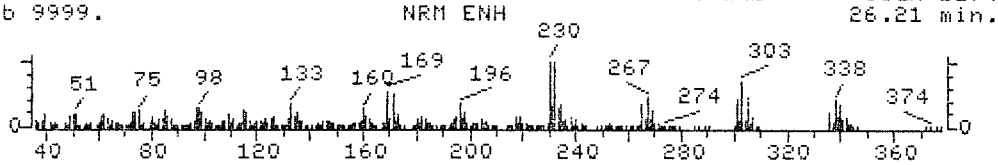
File PRIPOL Heptachlor Scan 383
Bpk Ab 9999. 0.00 min.



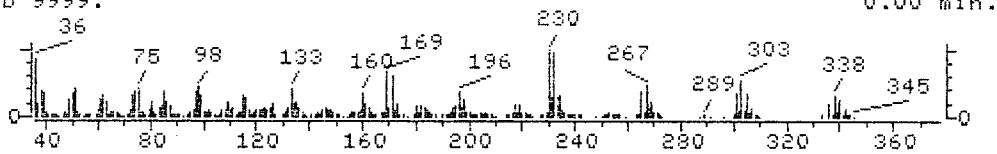
File PRIPOL Heptachlor Scan 382
Bpk Ab 9999. 0.00 min.



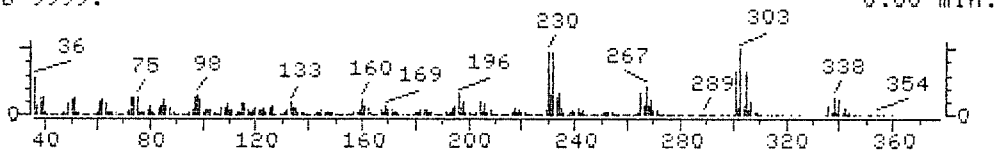
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2174
Bpk Ab 9999. NRM ENH 26.21 min.



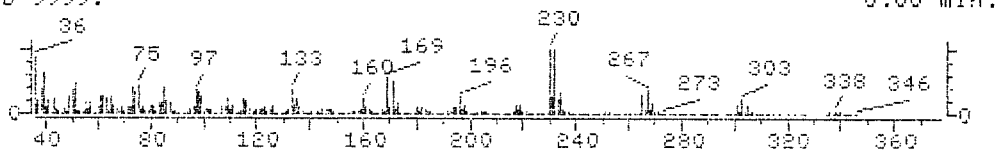
File >BIGDB 1,6-Methano-1H-indene, 2,3,3a,4,5,8-hexachloro-3a Scan 36364
Bpk Ab 9999. 0.00 min.



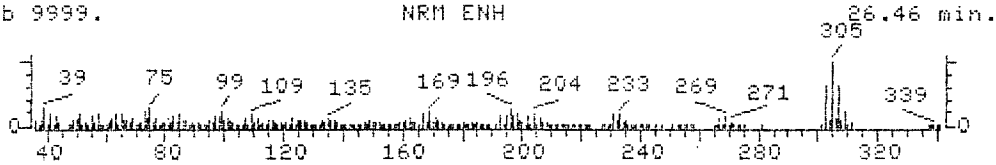
File >BIGDB 1,4-Ethenopentalene, 1,2,3,5,7,8-hexachloro-1,3a, Scan 33980
Bpk Ab 9999. 0.00 min.



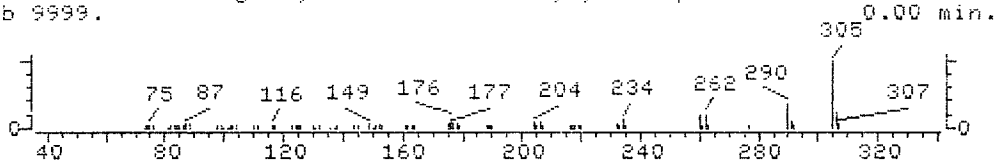
File >BIGDB 1,3,5-Metheno-1H-cyclopropa[a]pentalene, 1,1a,4,5 Scan 28022
Bpk Ab 9999. 0.00 min.



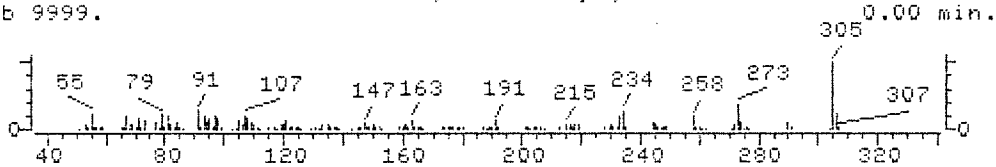
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2198
Bpk Ab 9999. NRM ENH 26.46 min.



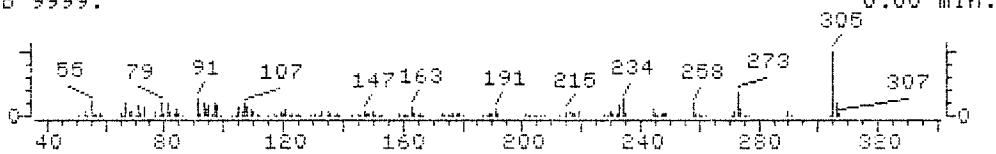
File >BIGDB 8H-Benzo[g]-1,3-benzodioxolo[6,5,4-de]quinolin-8- Scan 34072
Bpk Ab 9999. 0.00 min.

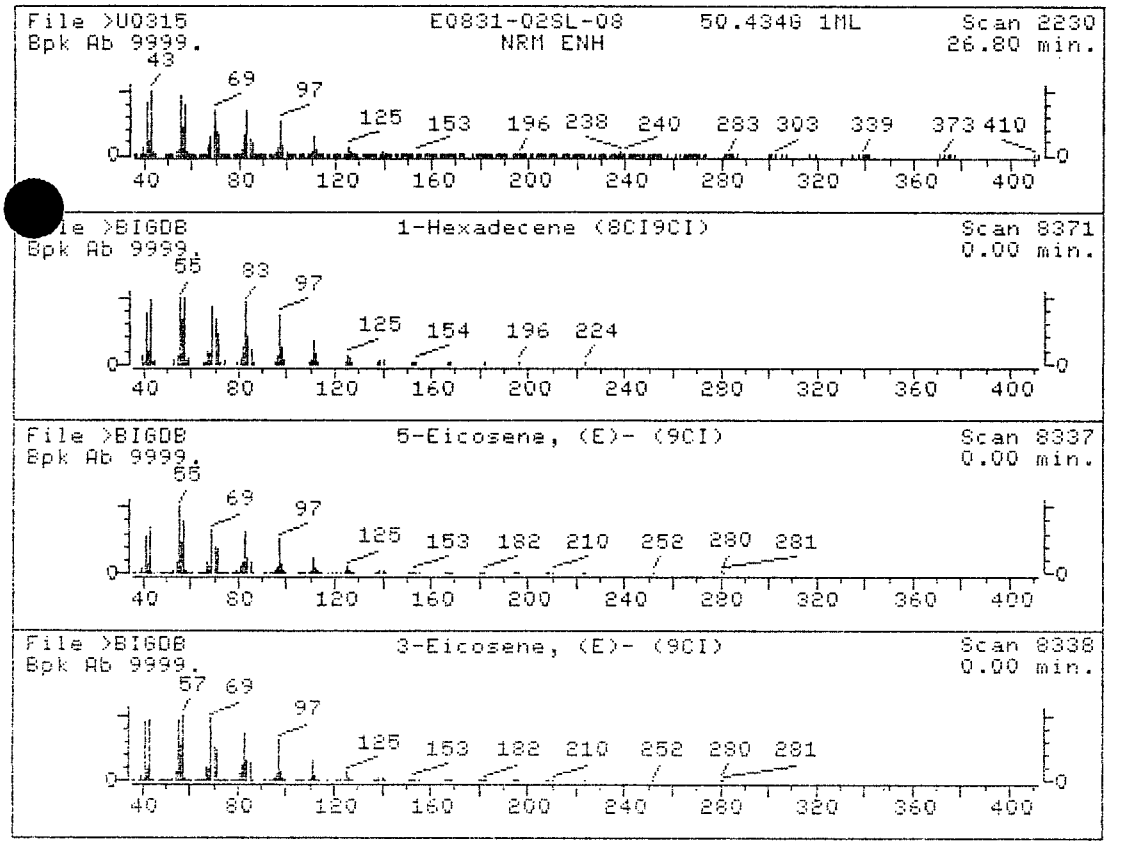


File >BIGDB 16-Azaandrostan-17-one, 3-methoxy-, (3.beta.)- (9 Scan 34067
Bpk Ab 9999. 0.00 min.

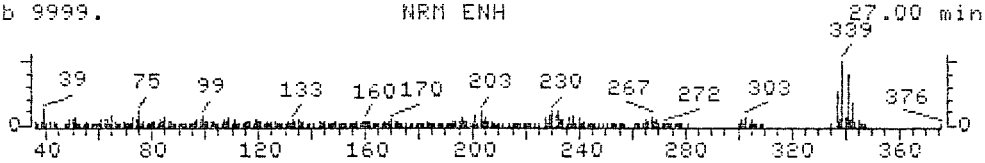


File >BIGDB 16-Azaandrostan-17-one, 3-methoxy-, (3.beta.)- (9 Scan 34067
Bpk Ab 9999. 0.00 min.

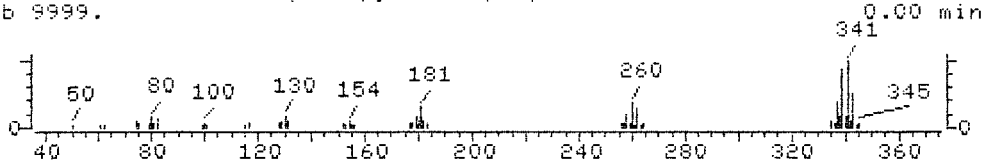



File >U0315
Bpk Ab 9999.
E0831-02SL-08
NRM ENH
50.4346 1ML
Scan 2230
26.80 min.
43 69 97 125 153 196 238 240 283 303 339 373 410
File >BIGDB
Bpk Ab 9999.
1-Hexadecene (8CI9CI)
Scan 8371
0.00 min.
55 83 97 125 154 196 224
File >BIGDB
Bpk Ab 9999.
5-Eicosene, (E)- (9CI)
Scan 8337
0.00 min.
55 69 97 125 153 182 210 252 280 281
File >BIGDB
Bpk Ab 9999.
3-Eicosene, (E)- (9CI)
Scan 8338
0.00 min.
57 69 97 125 153 182 210 252 280 281
40 80 120 160 200 240 280 320 360 400

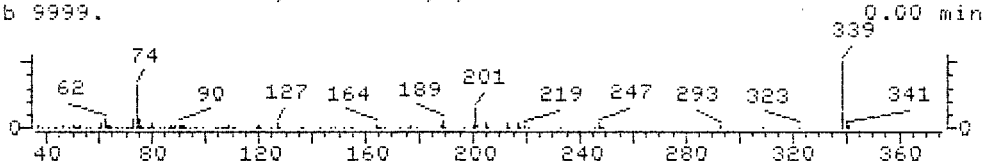
File >U0315 E0831-02SL-08 50.4346 1ML Scan 2249
Bpk Ab 9999. NRM ENH 27.00 min.



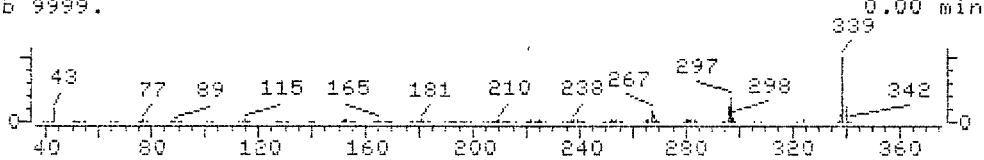
File >BIGDB Selenolo[2,3-b]pyridine, 2,3-dibromo- (9CI) Scan 36405
Bpk Ab 9999. 0.00 min.



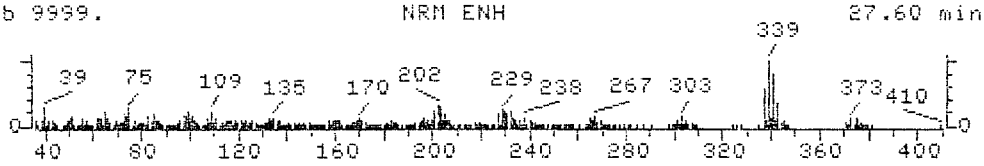
File >BIGDB Benzene, 2-iodo-1,3,5-trinitro- (8CI9CI) Scan 36261
Bpk Ab 9999. 0.00 min.



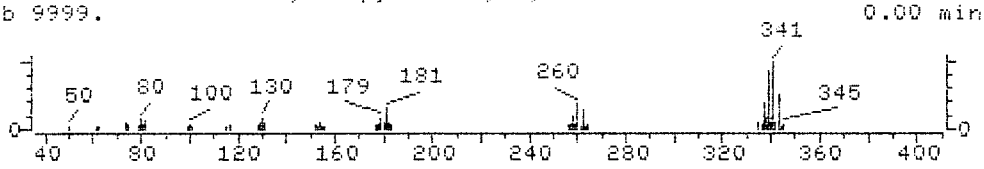
File >BIGDB Spiro[2,5-cyclohexadiene-1,7'(1'H)-cyclopent[ijl] Scan 36262
Bpk Ab 9999. 0.00 min.



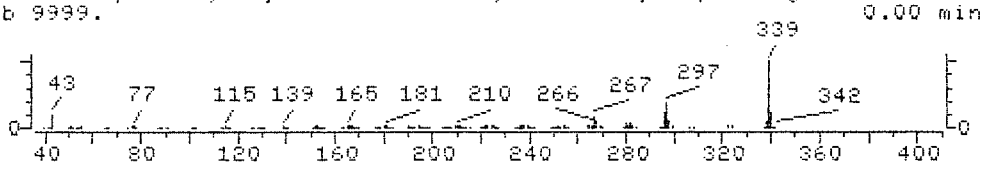
File >U0315 E0831-02SL-08 50.4346 1ML Scan 2305
Bpk Ab 9999. NRM ENH 27.60 min.



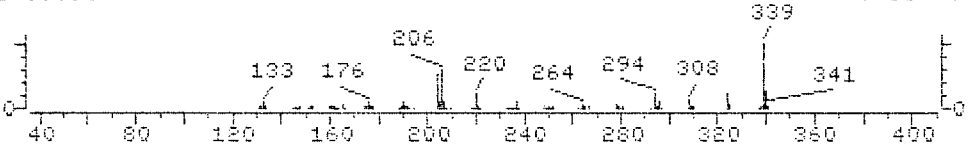
File >BIGDB Selenolo[2,3-b]pyridine, 2,3-dibromo- (9CI) Scan 36405
Bpk Ab 9999. 0.00 min.

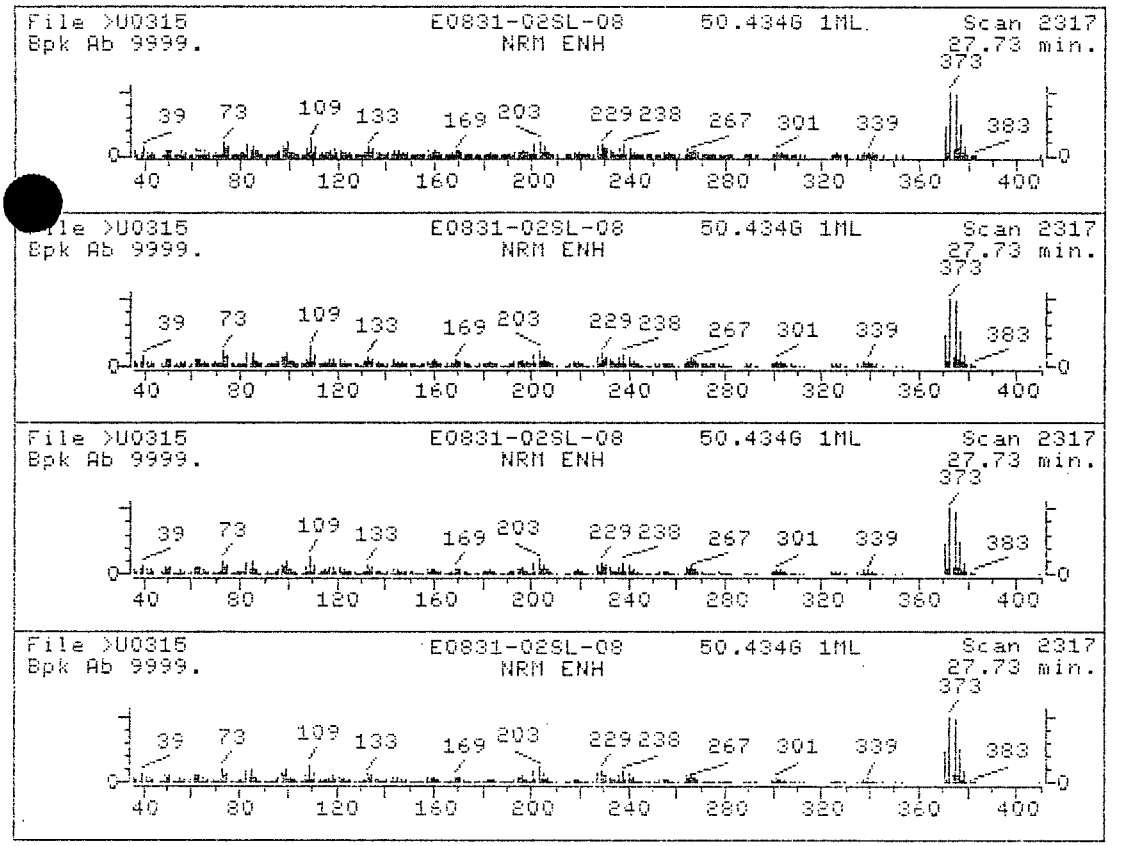


File >BIGDB Spiro[2,5-cyclohexadiene-1,7'(1'H)-cyclopent[ij]i Scan 36262
Bpk Ab 9999. 0.00 min.

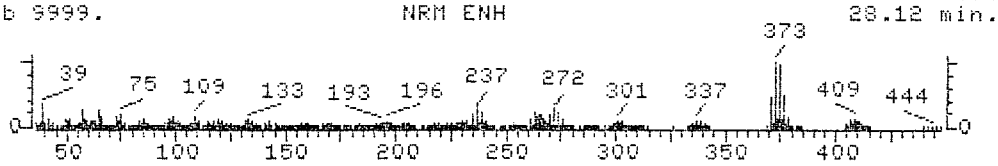


File >BIGDB Spiro[2H-indene-2,1'(2'H)-isoquinolin]-1(3H)-one, Scan 36271
Bpk Ab 9999. 0.00 min.

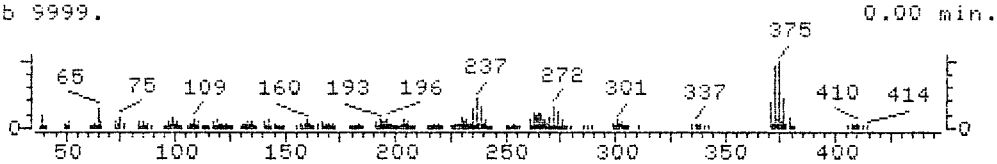



File >U0315
Bpk Ab 9999.
E0831-02SL-08
NRM ENH
50.434G 1ML
Scan 2317
27.73 min.
373
39 73 109 133 169 203 229 238 267 301 339 383
40 80 120 160 200 240 280 320 360 400

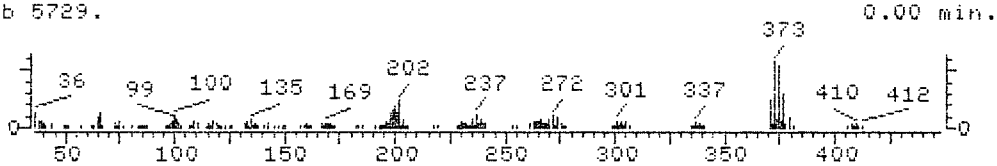
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2354
Bpk Ab 9999. NRM ENH 28.12 min.



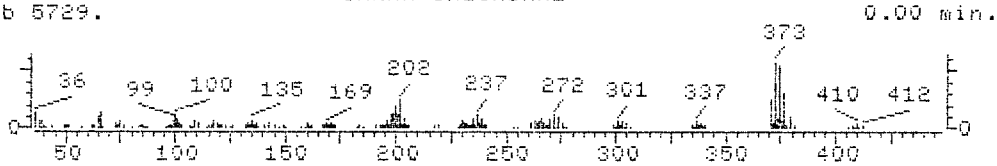
File PRIPOL GAMMA-CHLORDANE Scan 425
Bpk Ab 9999. 0.00 min.

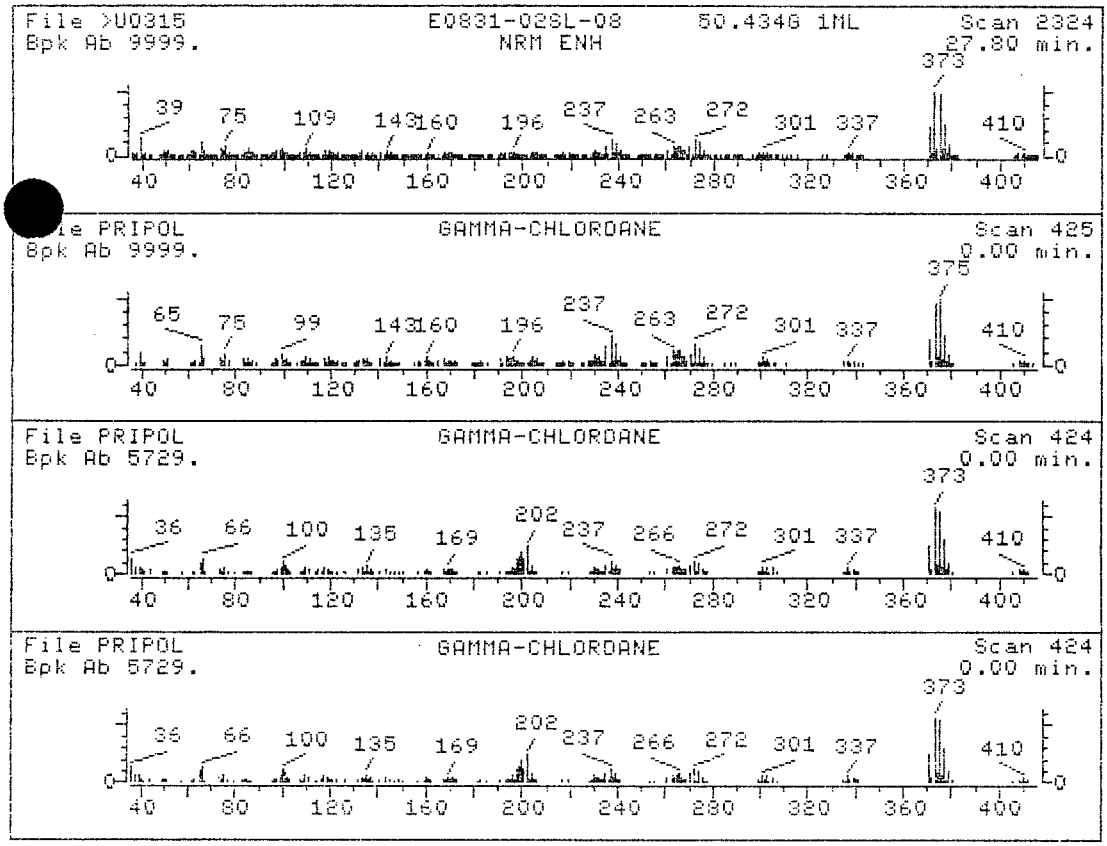


File PRIPOL GAMMA-CHLORDANE Scan 424
Bpk Ab 5729. 0.00 min.

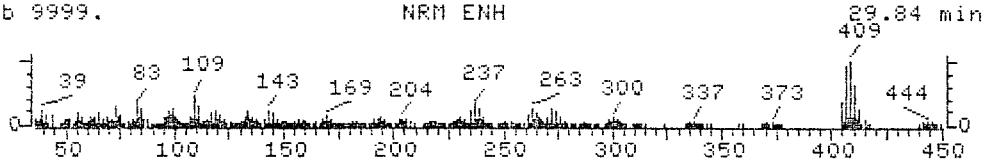


File PRIPOL GAMMA-CHLORDANE Scan 424
Bpk Ab 5729. 0.00 min.

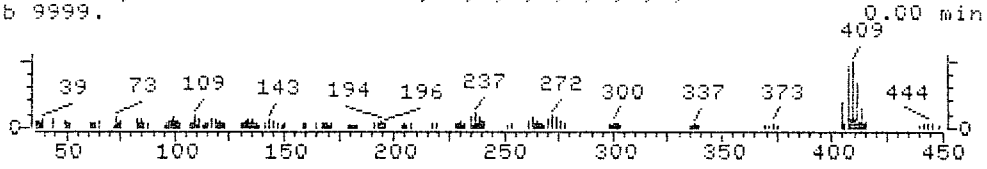



File >U0315
Bpk Ab 9999.
E0831-02SL-08
NRM ENH
50.4346 1ML
Scan 2324
27.80 min.
39 75 109 143 160 196 237 263 272 301 337 373 410
File PRIPOL
Bpk Ab 9999.
GAMMA-CHLORDANE
Scan 425
0.00 min.
65 75 99 143 160 196 237 263 272 301 337 375 410
File PRIPOL
Bpk Ab 5729.
GAMMA-CHLORDANE
Scan 424
0.00 min.
36 66 100 135 169 202 237 266 272 301 337 373 410
File PRIPOL
Bpk Ab 5729.
GAMMA-CHLORDANE
Scan 424
0.00 min.
36 66 100 135 169 202 237 266 272 301 337 373 410
40 80 120 160 200 240 280 320 360 400

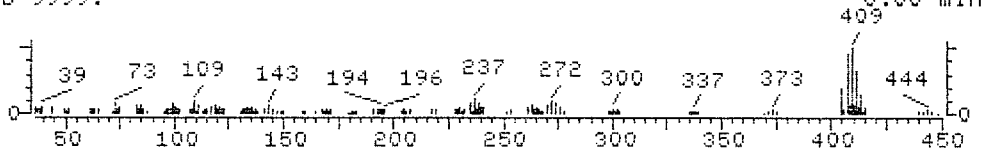
File >U0315 E0831-02SL-08 50.434G 1ML Scan 2515
Bpk Ab 9999. NRM ENH 29.84 min.



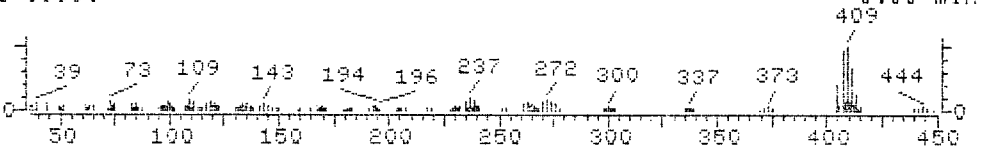
File >BIGDB 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachlo Scan 39290
Bpk Ab 9999. 0.00 min.



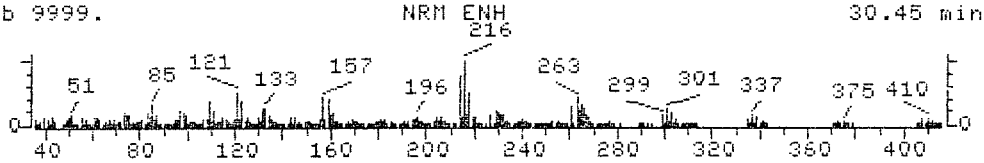
File >BIGDB 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachlo Scan 39290
Bpk Ab 9999. 0.00 min.



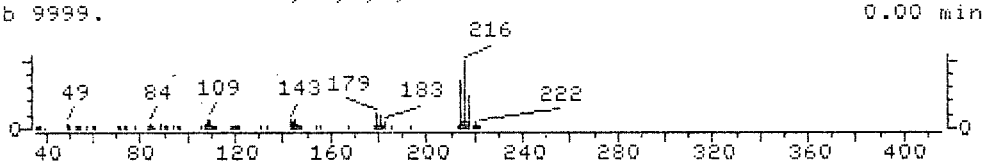
File >BIGDB 4,7-Methano-1H-indene, 1,2,3,4,5,6,7,8,8-nonachlo Scan 39290
Bpk Ab 9999. 0.00 min.



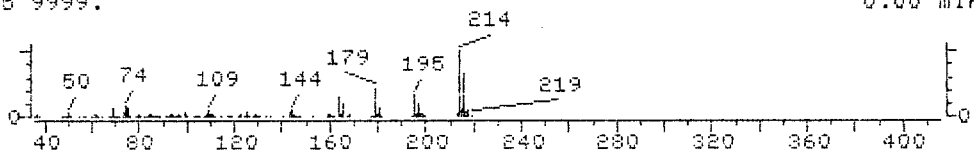
File >U0315 E0831-02SL-08 50.4346 1ML Scan 2573
Bpk Ab 9999. NRM ENH 30.45 min.



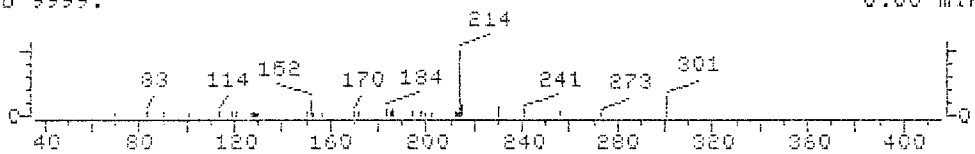
File >BIGDB Benzene, 1,2,3,4-tetrachloro- (8CI9CI) Scan 26380
Bpk Ab 9999. 0.00 min.



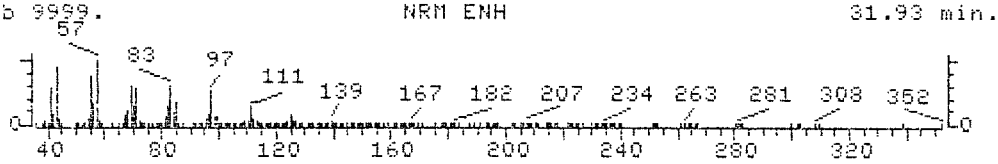
File >BIGDB Benzene, 2,4-dichloro-1-(trifluoromethyl)- (9CI) Scan 26197
Bpk Ab 9999. 0.00 min.



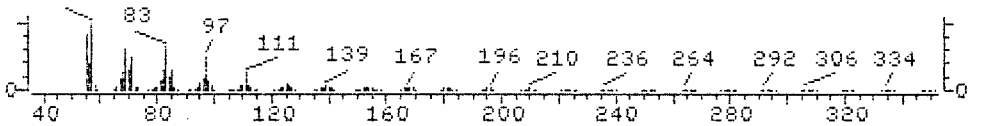
File >BIGDB Serratinine, 6,7,8,16-tetradehydro-8-deoxy-, acet Scan 26220
Bpk Ab 9999. 0.00 min.



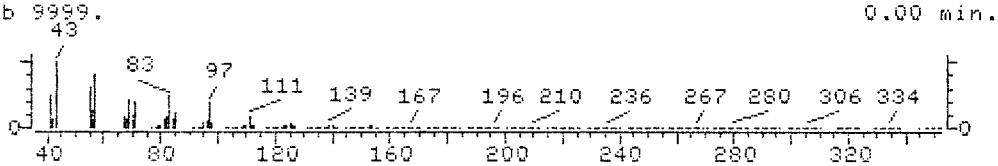
File >U0315 E0831-02SL-08 50.4346 1ML Scan 2713
Bpk Ab 9999. NRM ENH 31.93 min.



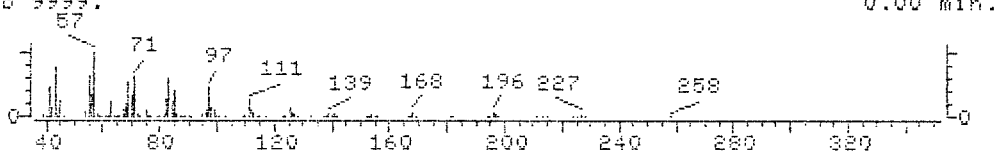
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.



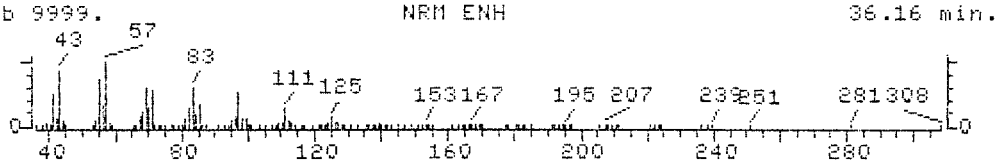
File >BIGDB 17-Pentatriacontene (8CI) Scan 8334
Bpk Ab 9999. 0.00 min.



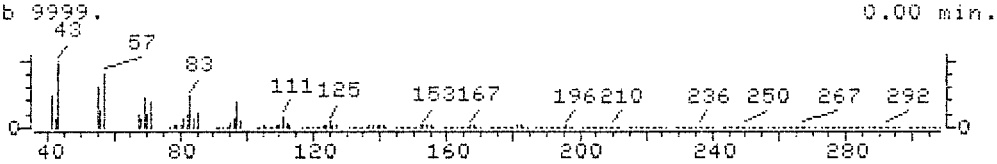
File >BIGDB Ethanol, 2-(tetradecyloxy)- (8CI9CI) Scan 8450
Bpk Ab 9999. 0.00 min.



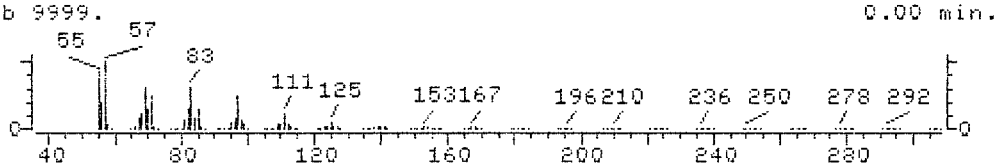
File >U0315 E0831-02SL-08 50.4346 1ML Scan 3115
Bpk Ab 9999. NRM ENH 36.16 min.



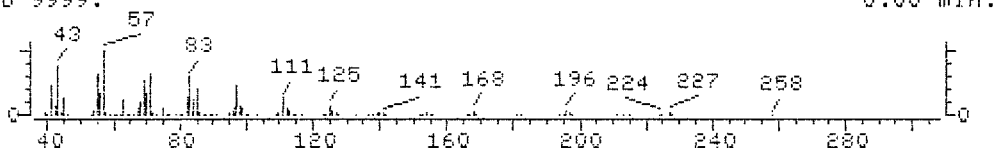
File >BIGDB 17-Pentatriacontene (8CI) Scan 8334
Bpk Ab 9999. 0.00 min.



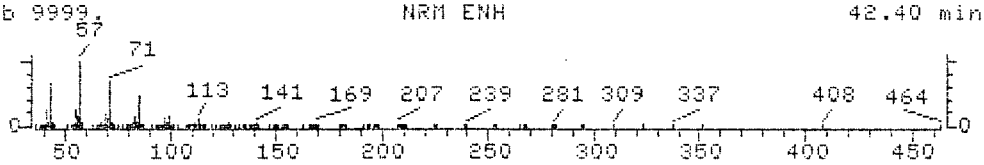
File >BIGDB 1-Dotriacontanol (8CI9CI) Scan 8333
Bpk Ab 9999. 0.00 min.



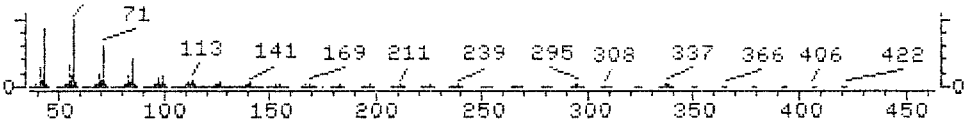
File >BIGDB Ethanol, 2-(tetradecyloxy)- (8CI9CI) Scan 8450
Bpk Ab 9999. 0.00 min.



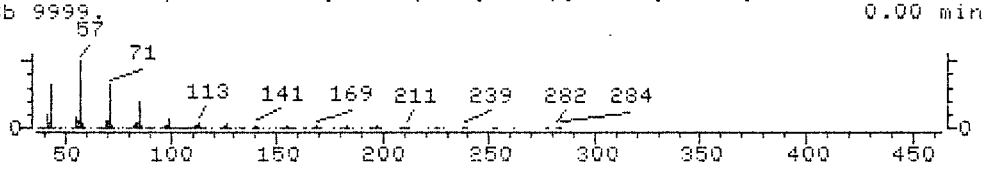
File >U0315 E0831-028L-08 50.4346 1ML Scan 3711
Bpk Ab 9999. NRM ENH 42.40 min.



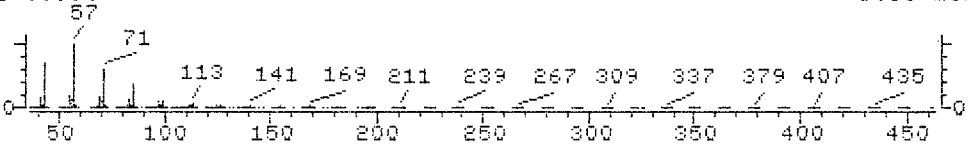
File >BIGDB Tetracosane, 11-decyl- (9CI) Scan 6292
Bpk Ab 9999. 0.00 min.

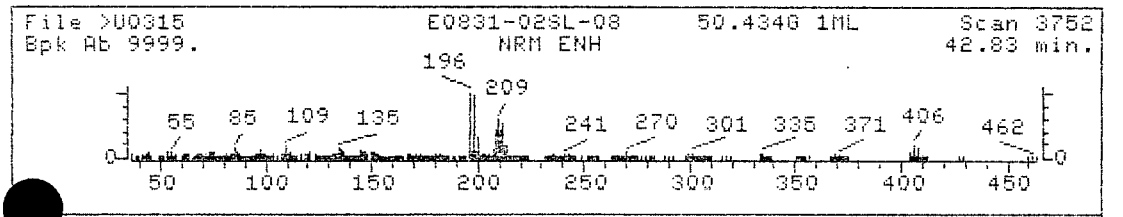


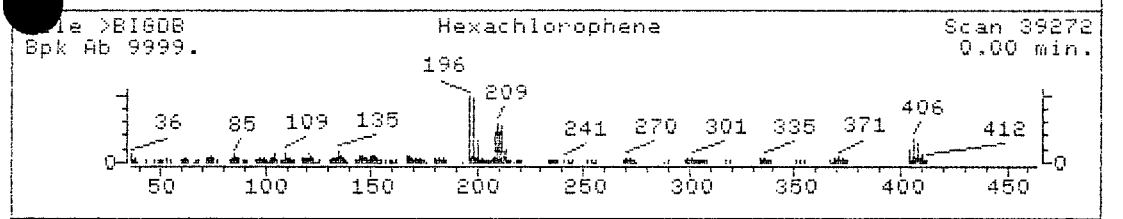
File >BIGDB Iron, tricarbonyl[N-(phenyl-2-pyridinylmethylene) Scan 6168
Bpk Ab 9999. 0.00 min.

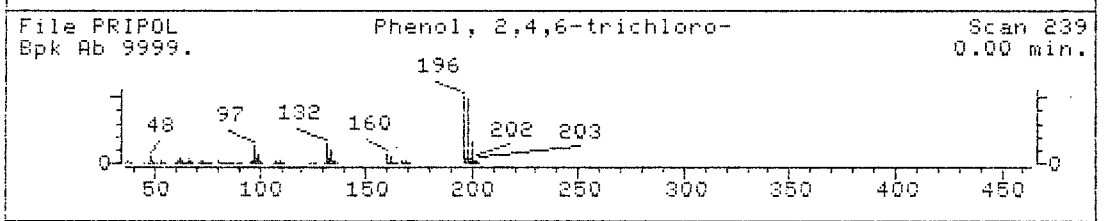


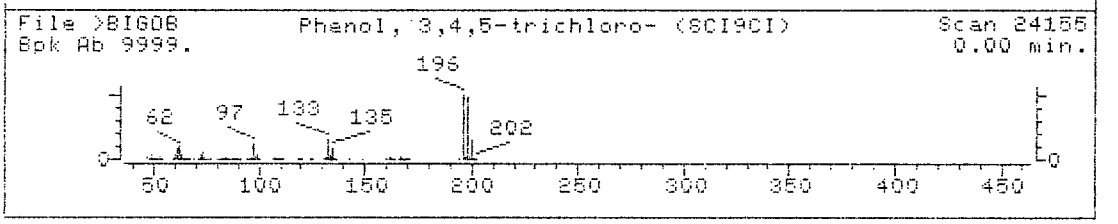
File >BIGDB Tetratetracontane (8CI9CI) Scan 8906
Bpk Ab 9999. 0.00 min.



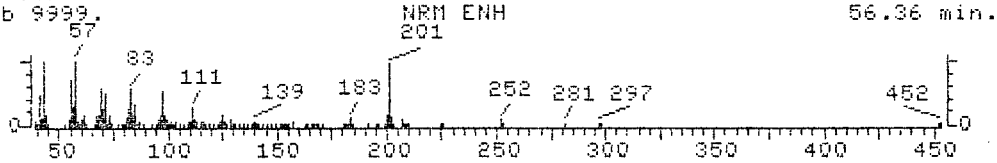

File >U0315
Bpk Ab 9999.
E0831-02SL-08
NRM ENH
50.434G 1ML
Scan 3752
42.83 min.
196
209
55
85
109
135
241
270
301
335
371
406
462
0
50
100
150
200
250
300
350
400
450


File >BIGDB
Bpk Ab 9999.
Hexachlorophene
Scan 39272
0.00 min.
196
209
36
85
109
135
241
270
301
335
371
406
412
0
50
100
150
200
250
300
350
400
450

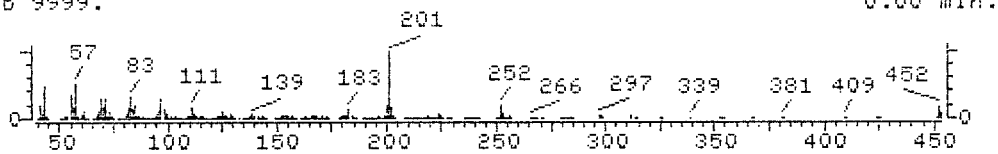

File PRIPOL
Bpk Ab 9999.
Phenol, 2,4,6-trichloro-
Scan 239
0.00 min.
196
48
97
132
160
202
203
0
50
100
150
200
250
300
350
400
450


File >BIGDB
Bpk Ab 9999.
Phenol, 3,4,5-trichloro- (SCI9CI)
Scan 24155
0.00 min.
196
62
97
133
135
202
0
50
100
150
200
250
300
350
400
450

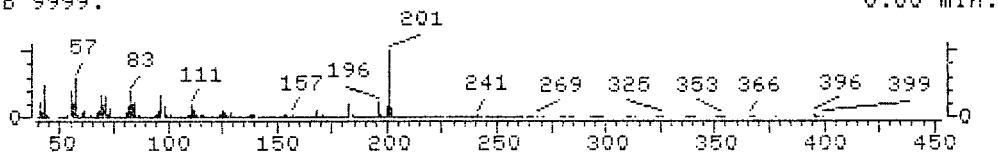
File >U0315 E0831-028L-08 50.434G 1ML Scan 5048
Bpk Ab 9999. NRM ENH 56.36 min.



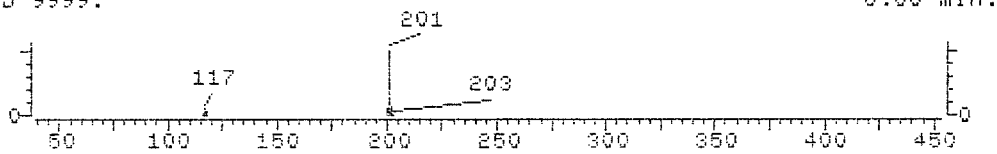
File >BIGDB Dodecanoic acid, octadecyl ester (9CI) Scan 40407
Bpk Ab 9999. 0.00 min.



File >BIGDB Dodecanoic acid, tetradecyl ester (9CI) Scan 24562
Bpk Ab 9999. 0.00 min.



File >BIGDB 1,3,5-Triazine-2,4-diamine, 6-(3-methylphenyl)- (Scan 24490
Bpk Ab 9999. 0.00 min.



1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0808

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
108-95-2	Phenol	268	U
111-44-4	bis(2-Chloroethyl)ether	268	U
95-57-8	2-Chlorophenol	268	U
541-73-1	1,3-Dichlorobenzene	268	U
106-46-7	1,4-Dichlorobenzene	268	U
95-50-1	1,2-Dichlorobenzene	268	U
95-48-7	2-Methylphenol	268	U
108-60-1	2,2'-oxybis(1-Chloropropane)	268	U
106-44-5	4-Methylphenol	268	U
621-64-7	N-Nitroso-di-n-propylamine	268	U
67-72-1	Hexachloroethane	268	U
98-95-3	Nitrobenzene	268	U
78-59-1	Isophorone	268	U
88-75-5	2-Nitrophenol	268	U
105-67-9	2,4-Dimethylphenol	268	U
111-91-1	bis(2-Chloroethoxy)methane	268	U
120-83-2	2,4-Dichlorophenol	268	U
120-82-1	1,2,4-Trichlorobenzene	268	U
91-20-3	Naphthalene	268	U
106-47-8	4-Chloroaniline	268	U
87-68-3	Hexachlorobutadiene	268	U
59-50-7	4-Chloro-3-methylphenol	268	U
91-57-6	2-Methylnaphthalene	268	U
77-47-4	Hexachlorocyclopentadiene	268	U
88-06-2	2,4,6-Trichlorophenol	268	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	268	U
88-74-4	2-Nitroaniline	670	U
131-11-3	Dimethylphthalate	268	U
208-96-8	Acenaphthylene	268	U
606-20-2	2,6-Dinitrotoluene	268	U
99-09-2	3-Nitroaniline	670	U
83-32-9	Acenaphthene	268	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-08RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-08RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0808

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 26 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 4.6

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

CAS NO.	COMPOUND	ug/Kg	Q
51-28-5	2,4-Dinitrophenol	670	U
100-02-7	4-Nitrophenol	670	U
132-64-9	Dibenzofuran	268	U
21-14-2	2,4-Dinitrotoluene	268	U
4-66-2	Diethylphthalate	268	U
7005-72-3	4-chlorophenyl-phenylether	268	U
86-73-7	Fluorene	268	U
100-01-6	4-Nitroaniline	670	U
534-52-1	4,6-Dinitro-2-methylphenol	670	U
86-30-6	N-Nitrosodiphenylamine (1)	268	U
101-55-3	4-Bromophenyl-phenylether	268	U
118-74-1	Hexachlorobenzene	268	U
87-86-5	Pentachlorophenol	67	J
85-01-8	Phenanthrene	83	J
120-12-7	Anthracene	268	U
86-74-8	Carbazole	268	U
84-74-2	Di-n-butylphthalate	268	U
206-44-0	Fluoranthene	93	J
129-00-0	Pyrene	165	J
85-68-7	Butylbenzylphthalate	268	U
91-94-1	3,3'-Dichlorobenzidine	268	U
56-55-3	Benzo(a)anthracene	51	
218-01-9	Chrysene	73	
117-81-7	bis(2-Ethylhexyl)phthalate	660	B
117-84-0	Di-n-octylphthalate	268	U
205-99-2	Benzo(b)fluoranthene	129	
207-08-9	Benzo(k)fluoranthene	45	
50-32-8	Benzo(a)pyrene	61	
193-39-5	Indeno(1,2,3-cd)pyrene	34	J
53-70-3	Dibenz(a,h)anthracene	40	U
91-24-2	Benzo(g,h,i)perylene	268	U

(1) - Cannot be separated from Diphenylamine

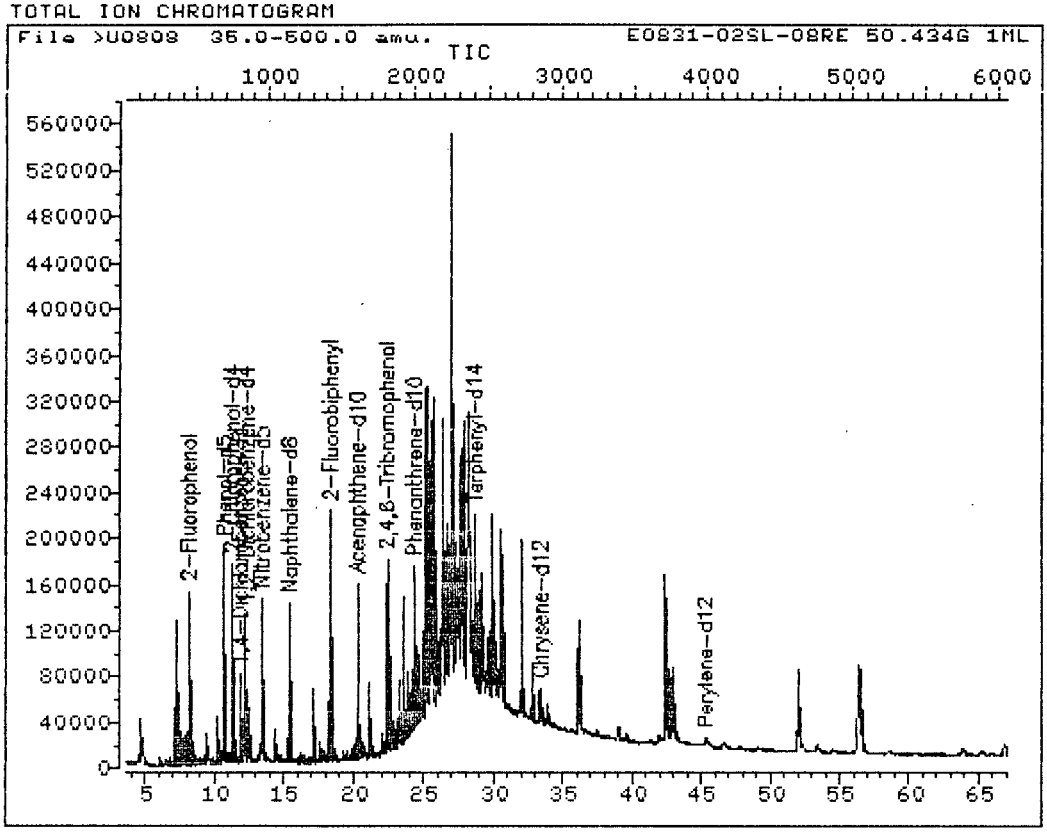
Operator ID: ANDY Quant Rev: 7 Quant Time: 940908 23:24
Output File: ^U0808::A5 Injected at: 940908 22:16
Data File: >U0808::A2 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-08RE 50.434G 1ML BTL# 9

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.74	152.0	35986	20.00	UG/ML	66
2)	2-Fluorophenol	8.04	112.0	101301	54.90	UG/ML	86
3)	Phenol-d5	10.59	99.0	145141	56.31	UG/ML	87
4)	2-Chlorophenol-d4	11.13	132.0	113119	54.27	UG/ML	91
5)	1,2-Dichlorobenzene-d4	12.19	152.0	59434	35.39	UG/ML	58
17)	*Naphthalene-d8	15.33	136.0	141205	20.00	UG/ML	94
18)	Nitrobenzene-d5	13.30	82.0	106301	41.63	UG/ML	54
31)	*Acenaphthene-d10	20.18	164.0	94029	20.00	UG/ML	96
32)	Hexachlorocyclopentadiene	17.68	237.0	931	.565	UG/ML	96
34)	2,4,5-Trichlorophenol	18.14	196.0	2287	1.26	UG/ML	93
36)	2-Fluorobiphenyl	18.25	172.0	187826	37.23	UG/ML	96
51)	*Phenanthrene-d10	24.26	188.0	131026	20.00	UG/ML	99
54)	2,4,6-Tribromophenol	22.32	330.0	76866	64.93	UG/ML	93
57)	Pentachlorophenol	23.68	266.0	2615	2.49	UG/ML	91
58)	Phenanthrene	24.33	178.0	20480	3.11	UG/ML	98
61)	Di-n-butylphthalate	25.55	149.0	14326	1.66	UG/ML	90
62)	Fluoranthene	27.63	202.0	22559	3.46	UG/ML	68
63)	*Chrysene-d12	33.31	240.0	48280	20.00	UG/ML	95
64)	Pyrene	28.38	202.0	20534	6.15	UG/ML	88
65)	Terphenyl-d14	28.59	244.0	178454	79.64	UG/ML	84
68)	Benzo(a)anthracene	33.25	228.0	4732	1.90	UG/ML	92
69)	Chrysene	33.47	228.0	5668M	2.71	UG/ML	97
70)	bis(2-Ethylhexyl)phthalate	32.76	149.0	53079	24.61	UG/ML	98
71)	*Perylene-d12	45.26	264.0	19294	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.25	252.0	4628	4.82	UG/ML	23
74)	Benzo(k)fluoranthene	41.47	252.0	1647M	1.69	UG/ML	22
75)	Benzo(a)pyrene	44.62	252.0	1877M	2.26	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	60.57	276.0	893M	1.26	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

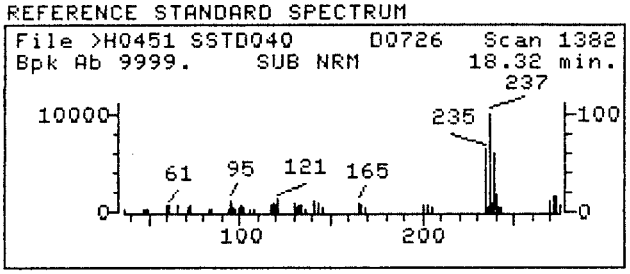


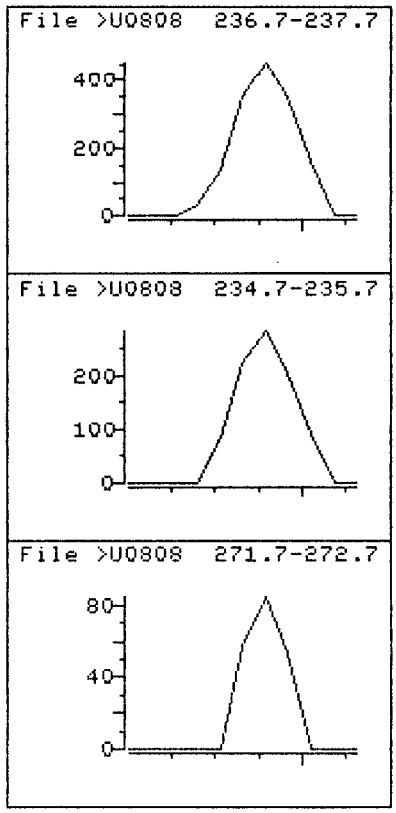
Data File: >U0808 Quant Output File: ^U0808::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-08RE 50.434G 1ML BTL# 9

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

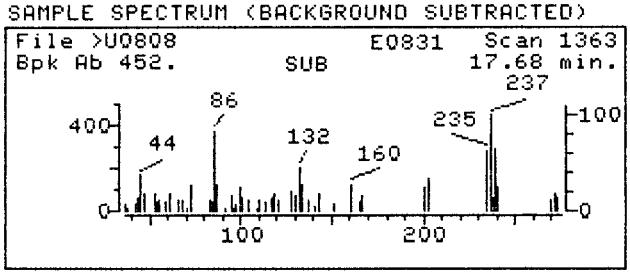
Operator ID: ANDY
Quant Time : 940908 23:24
Injected at: 940908 22:16

REFERENCE STANDARD SPECTRUM

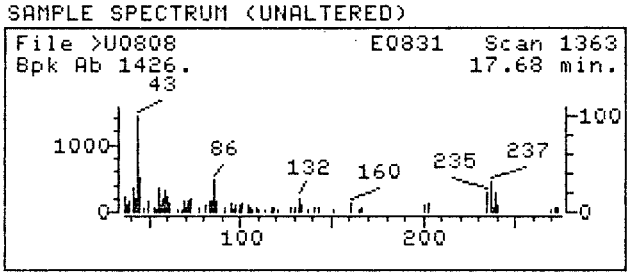




SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)

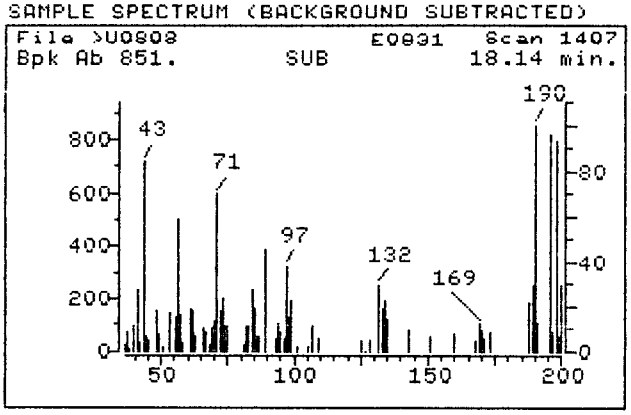


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

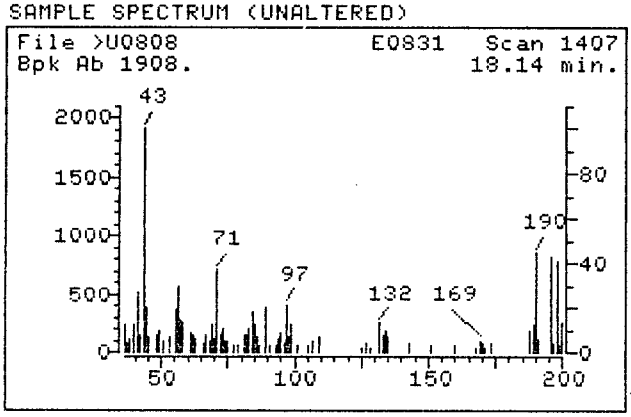
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

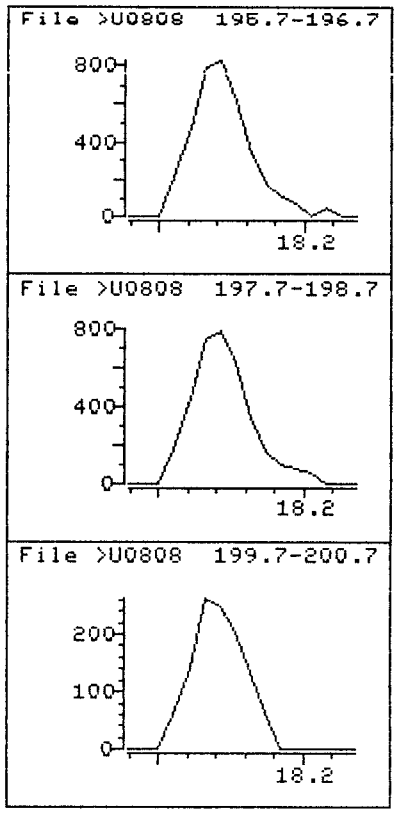
Compound No : 32
Compound Name : Hexachlorocyclopentadiene
Scan Number : 1363
Retention Time: 17.68 min.
Quant Ion : 237.0
Area : 931
Concentration : .565 UG/ML
q-value : 96

SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



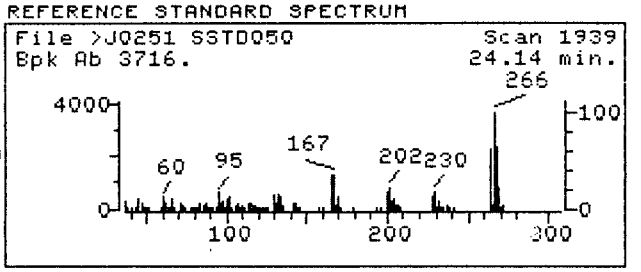


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

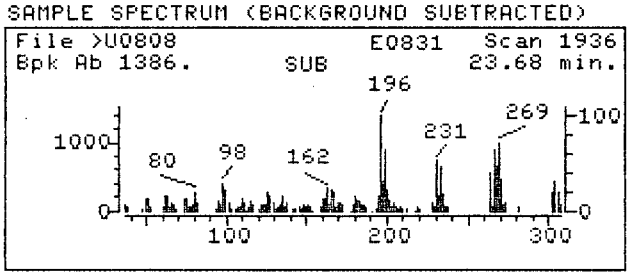
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 34
Compound Name : 2,4,5-Trichlorophenol
Scan Number : 1407
Retention Time: 18.14 min.
Quant Ion : 196.0
Area : 2287
Concentration : 1.26 UG/ML
q-value : 93

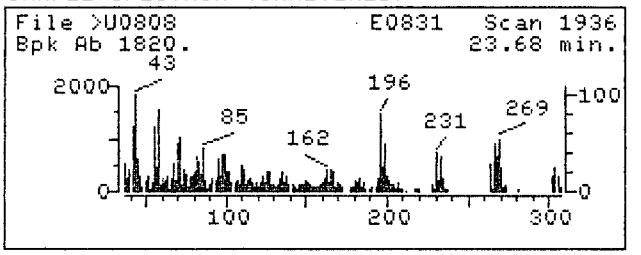
REFERENCE STANDARD SPECTRUM

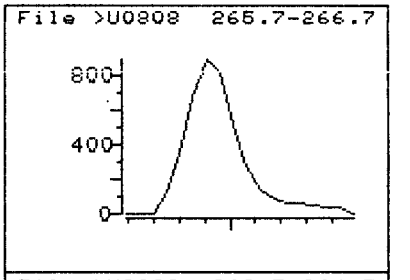


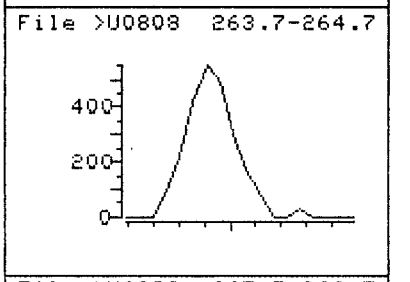
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

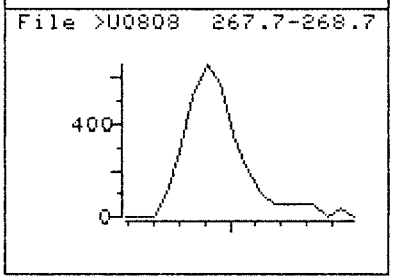


SAMPLE SPECTRUM (UNALTERED)







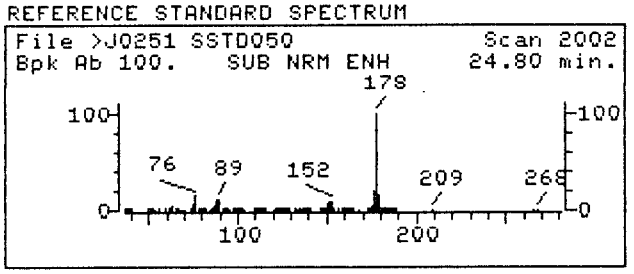


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

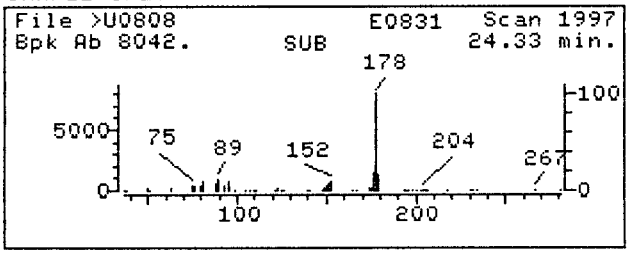
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 57
Compound Name : Pentachlorophenol
Scan Number : 1936
Retention Time: 23.68 min.
Quant Ion : 266.0
Area : 2615
Concentration : 2.49 UG/ML
q-value : 91

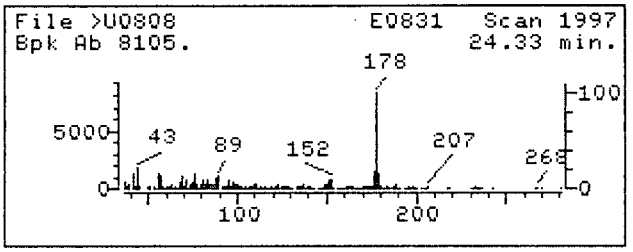
REFERENCE STANDARD SPECTRUM

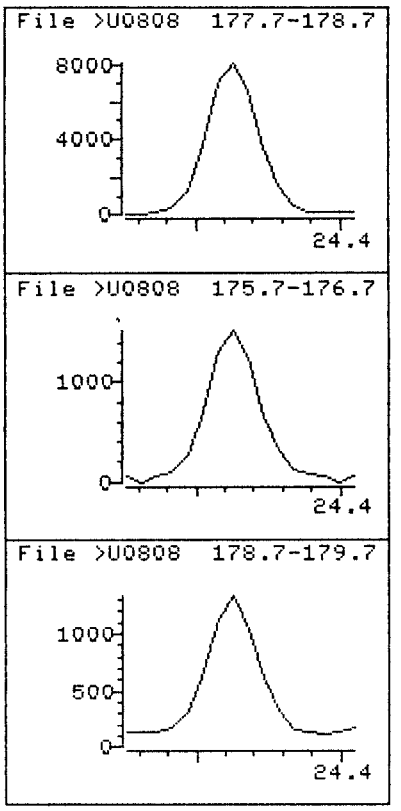


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



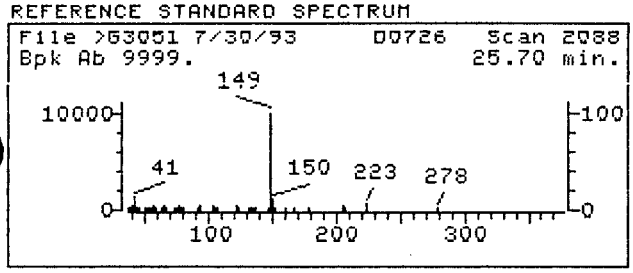


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

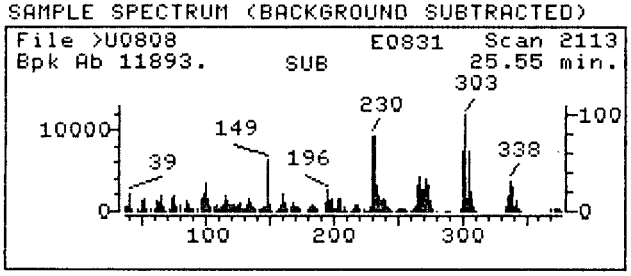
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 58
Compound Name : Phenanthrene
Scan Number : 1997
Retention Time: 24.33 min.
Quant Ion : 178.0
Area : 20480
Concentration : 3.11 UG/ML
q-value : 98

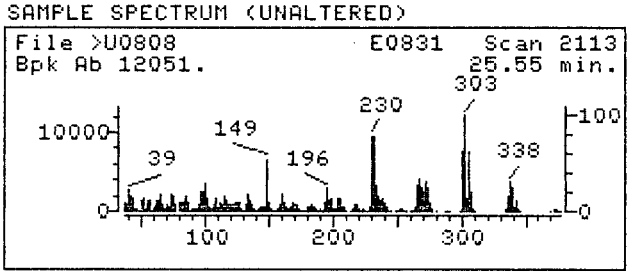
REFERENCE STANDARD SPECTRUM

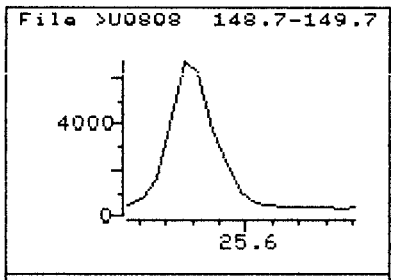


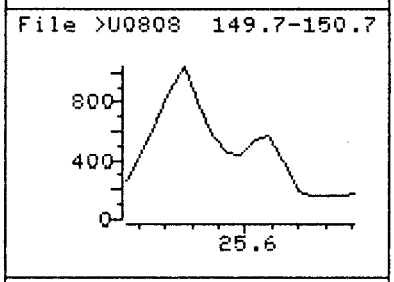
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

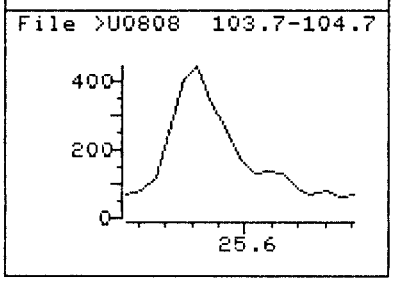


SAMPLE SPECTRUM (UNALTERED)







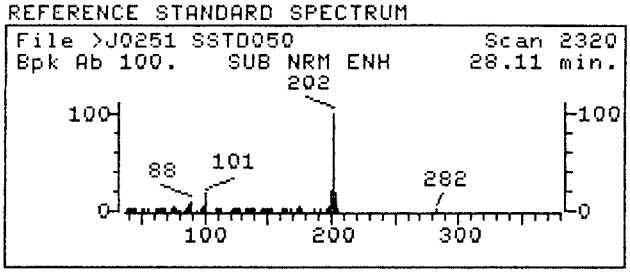


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

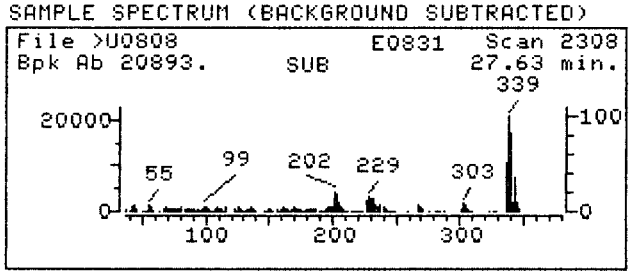
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 61
Compound Name : Di-n-butylphthalate
Scan Number : 2113
Retention Time: 25.55 min.
Quant Ion : 149.0
Area : 14326
Concentration : 1.66 UG/ML
q-value : 90

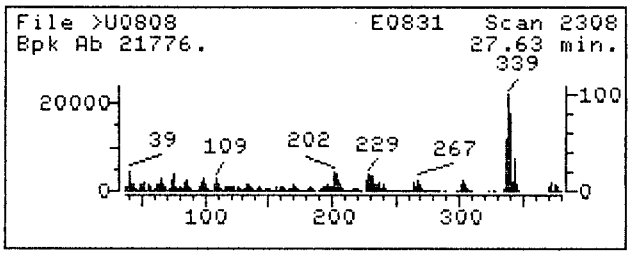
REFERENCE STANDARD SPECTRUM

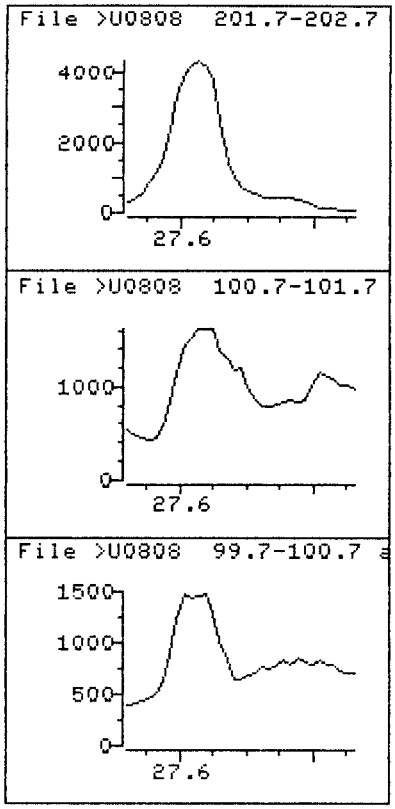


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



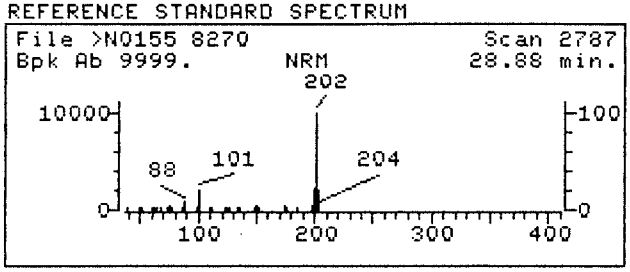


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

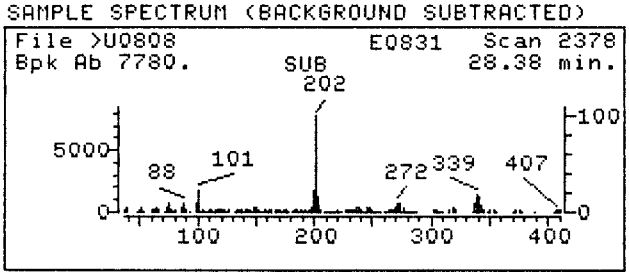
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 62
Compound Name : Fluoranthene
Scan Number : 2308
Retention Time: 27.63 min.
Quant Ion : 202.0
Area : 22559
Concentration : 3.46 UG/ML
q-value : 68

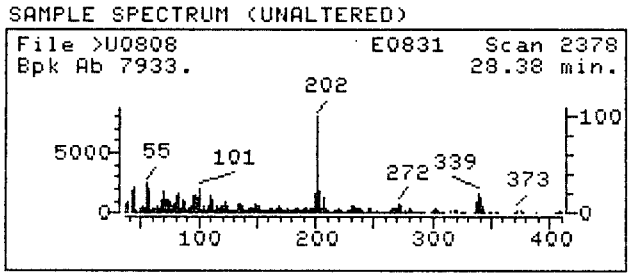
REFERENCE STANDARD SPECTRUM

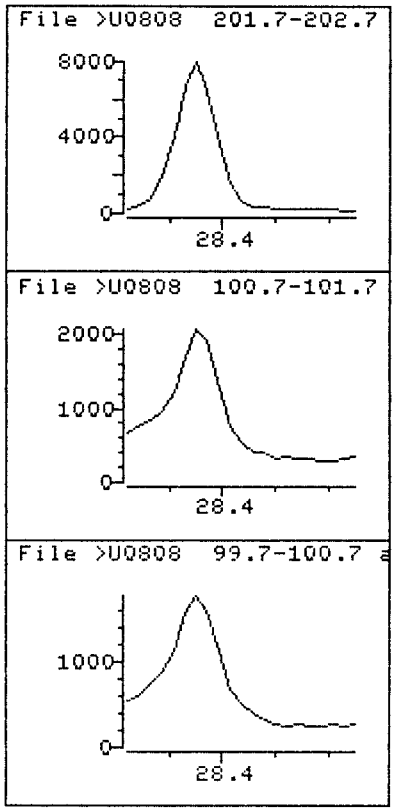


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



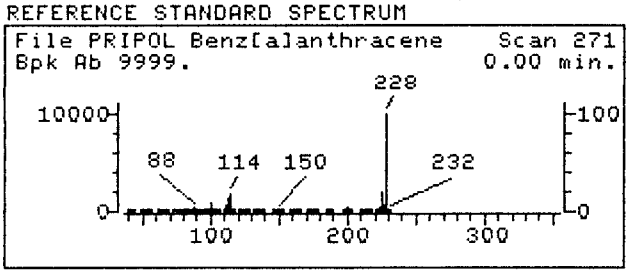


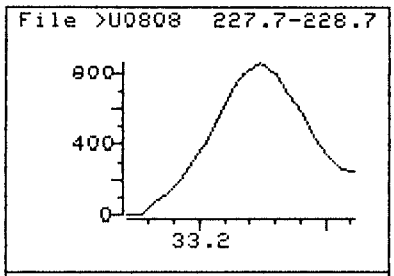
Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

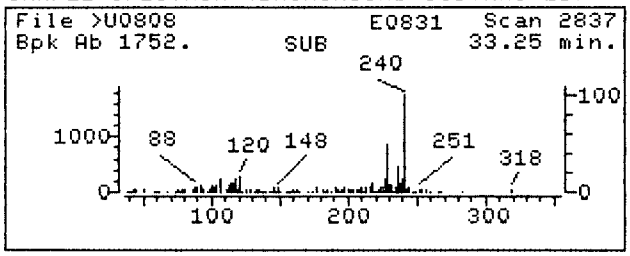
Compound No : 64
Compound Name : Pyrene
Scan Number : 2378
Retention Time: 28.38 min.
Quant Ion : 202.0
Area : 20534
Concentration : 6.15 UG/ML
q-value : 88

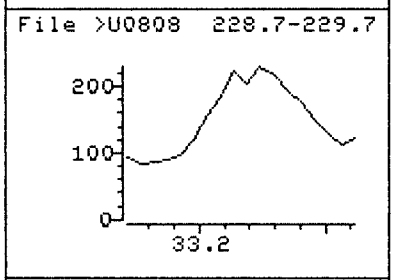
REFERENCE STANDARD SPECTRUM



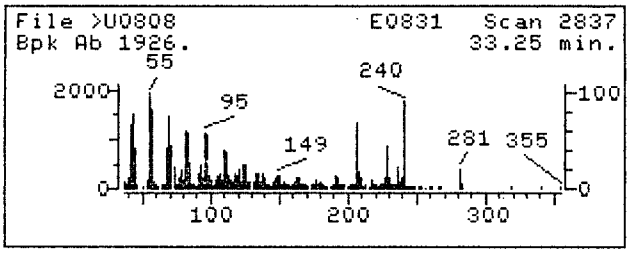


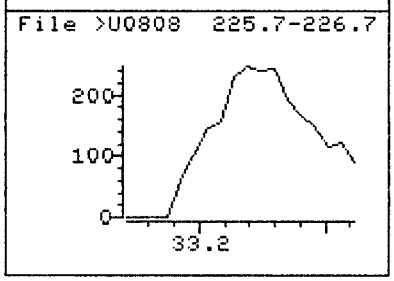
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



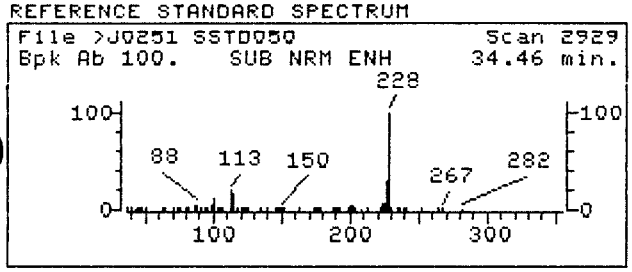


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

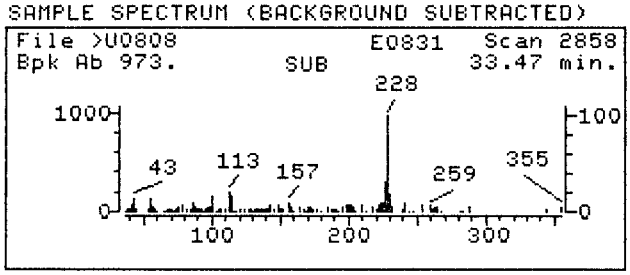
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2837
Retention Time: 33.25 min.
Quant Ion : 228.0
Area : 4732
Concentration : 1.90 UG/ML
q-value : 92

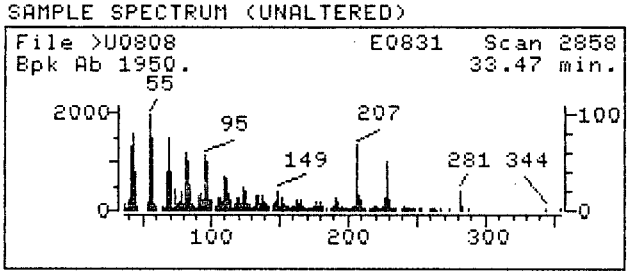
REFERENCE STANDARD SPECTRUM

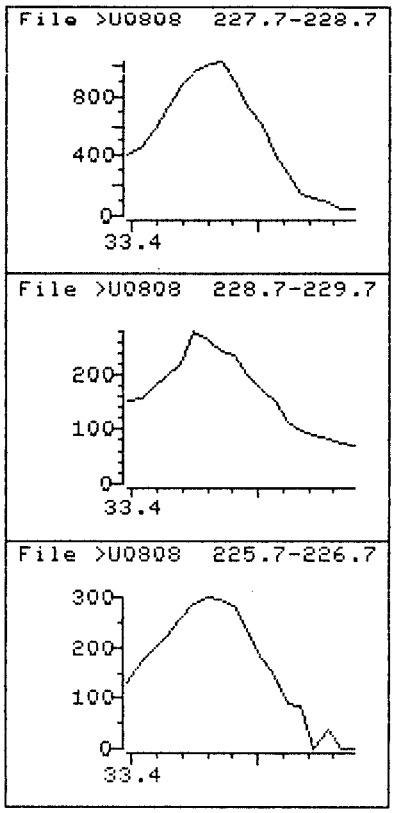


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



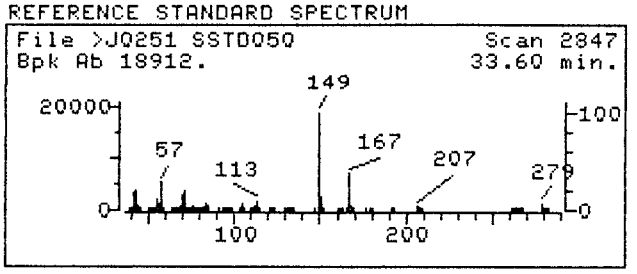


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

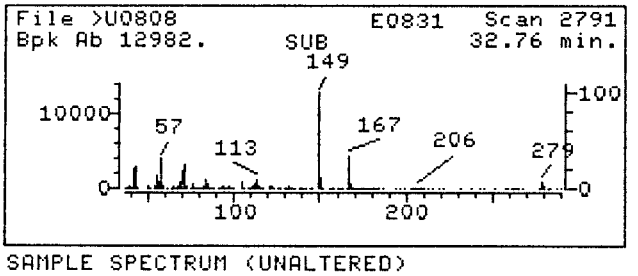
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2858
Retention Time: 33.47 min.
Quant Ion : 228.0
Area : 5668M
Concentration : 2.71 UG/ML
q-value : 97

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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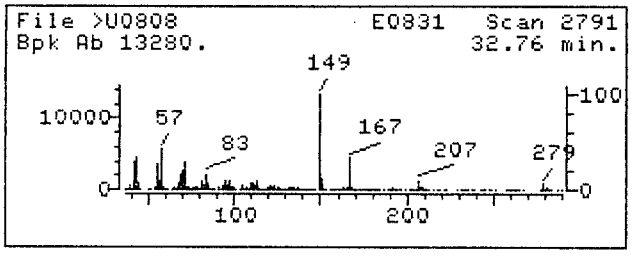
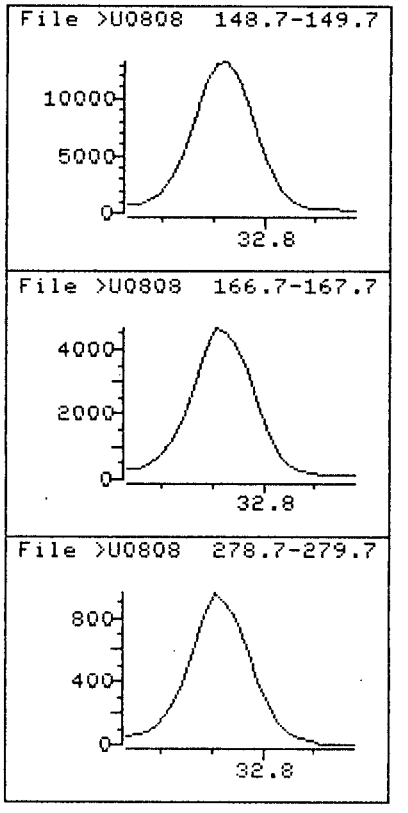


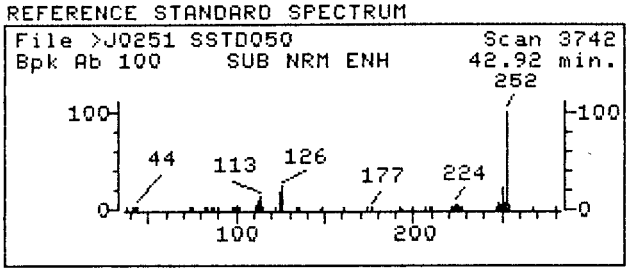


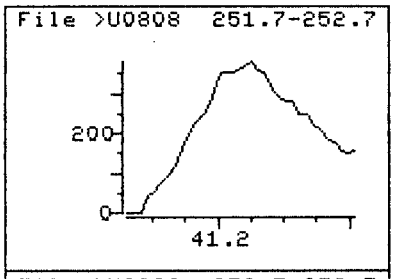
Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

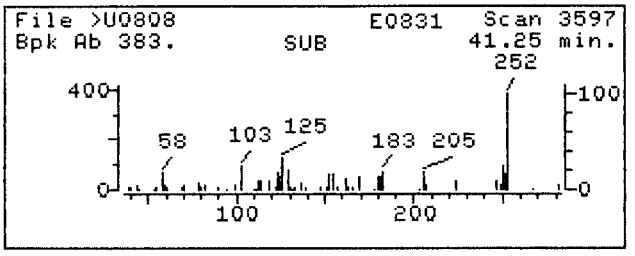
Compound No : 70
Compound Name : bis(2-Ethylhexyl)phthalate
Scan Number : 2791
Retention Time: 32.76 min.
Quant Ion : 149.0
Area : 53079
Concentration : 24.61 UG/ML
q-value : 98

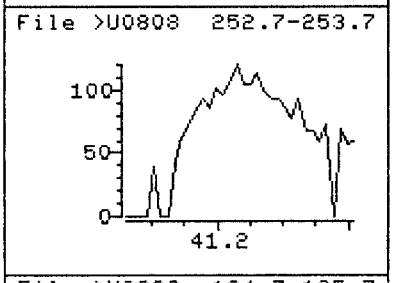
REFERENCE STANDARD SPECTRUM



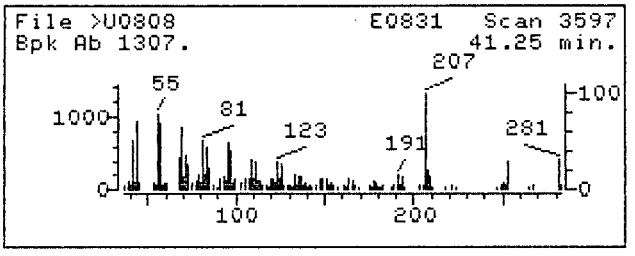


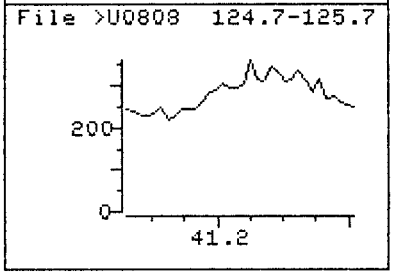
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



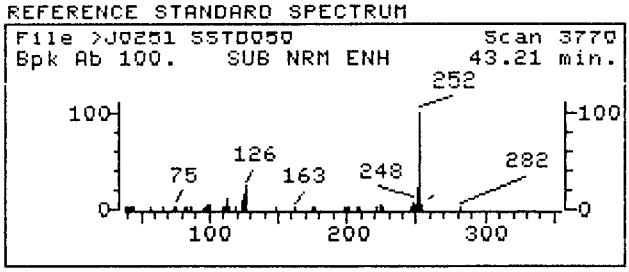


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

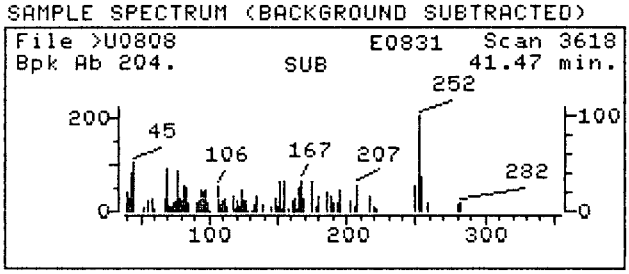
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3597
Retention Time: 41.25 min.
Quant Ion : 252.0
Area : 4628
Concentration : 4.82 UG/ML
q-value : 23

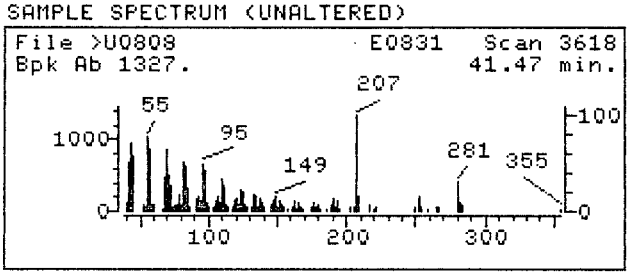
REFERENCE STANDARD SPECTRUM

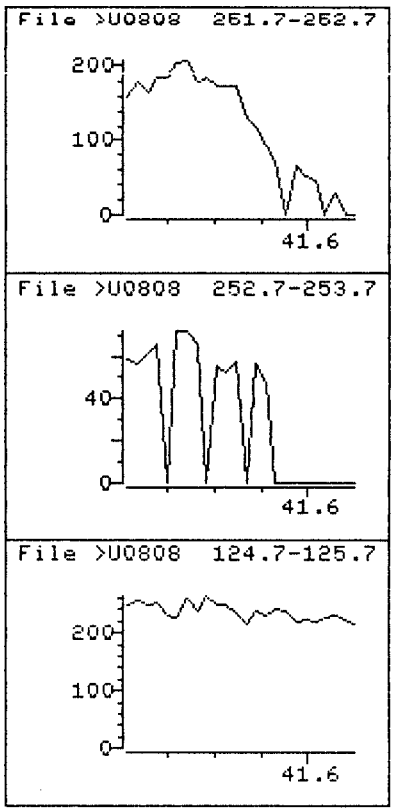


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



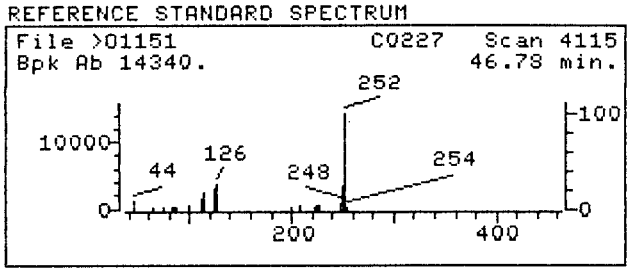


Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

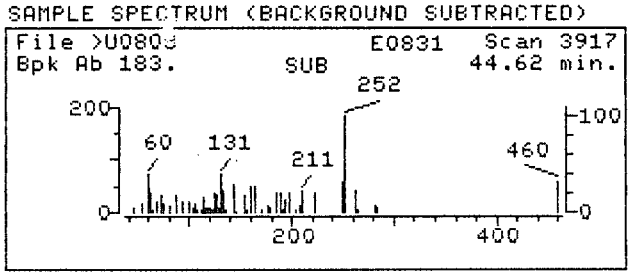
Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3618
Retention Time: 41.47 min.
Quant Ion : 252.0
Area : 1647M
Concentration : 1.69 UG/ML
q-value : 22

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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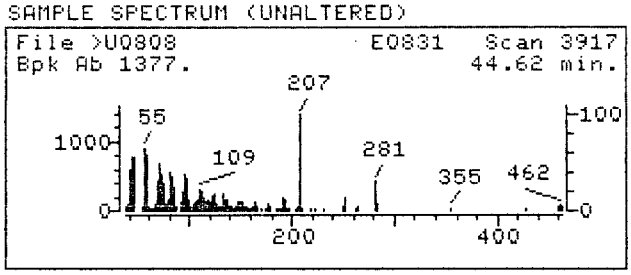
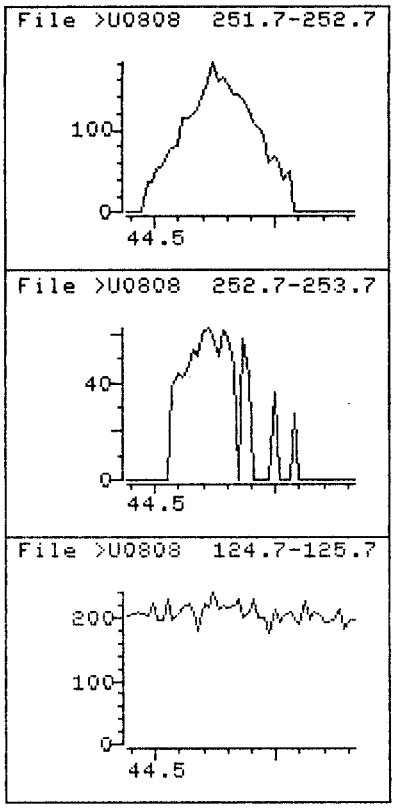


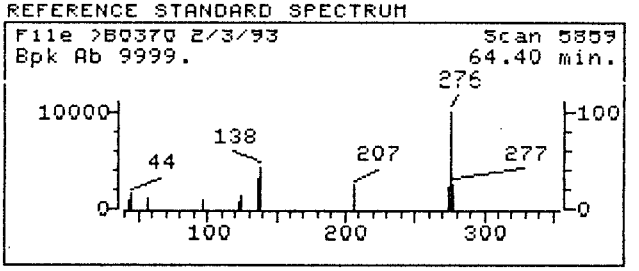


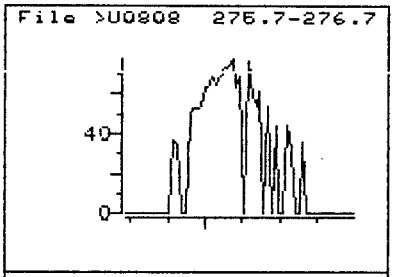
Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

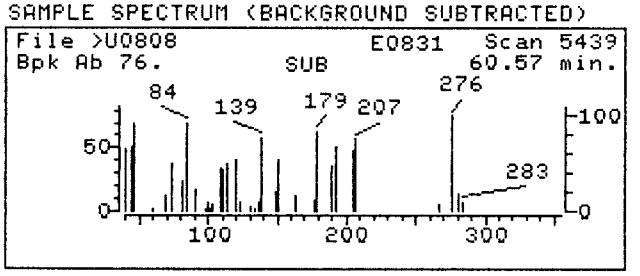
Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3917
Retention Time: 44.62 min.
Quant Ion : 252.0
Area : 1877M
Concentration : 2.26 UG/ML

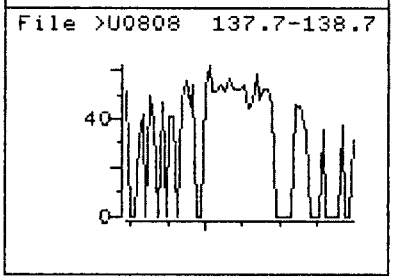
REFERENCE STANDARD SPECTRUM



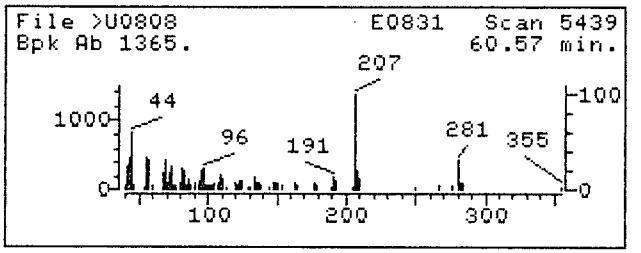


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



Data File: >U0808
Name: E0831-02
Misc: SL-08RE 50.434G 1ML
Quant Time: 940908 23:24
Injected at: 940908 22:16
Last Qcal Time: 940908 13:15

Quant Output File: ^U0808::A5
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5439
Retention Time: 60.57 min.
Quant Ion : 276.0
Area : 893M
Concentration : 1.26 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-10/11

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-10/11

Sample wt/vol: 50.6 (g/mL) G Lab File ID: >U0904

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 34 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 6.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	45	U
218-01-9	Chrysene	45	U
205-99-2	Benzo(b)fluoranthene	35	J
207-08-9	Benzo(k)fluoranthene	45	U
50-32-8	Benzo(a)pyrene	45	U
193-39-5	Indeno(1,2,3-cd)pyrene	45	U
53-70-3	Dibenz(a,h)anthracene	45	U

Operator ID: ANDY
Output File: ^U0904::D1
Data File: >U0904::A2
Name: RETEC E0831-02
Misc: SL-10/11 50.583G 1ML

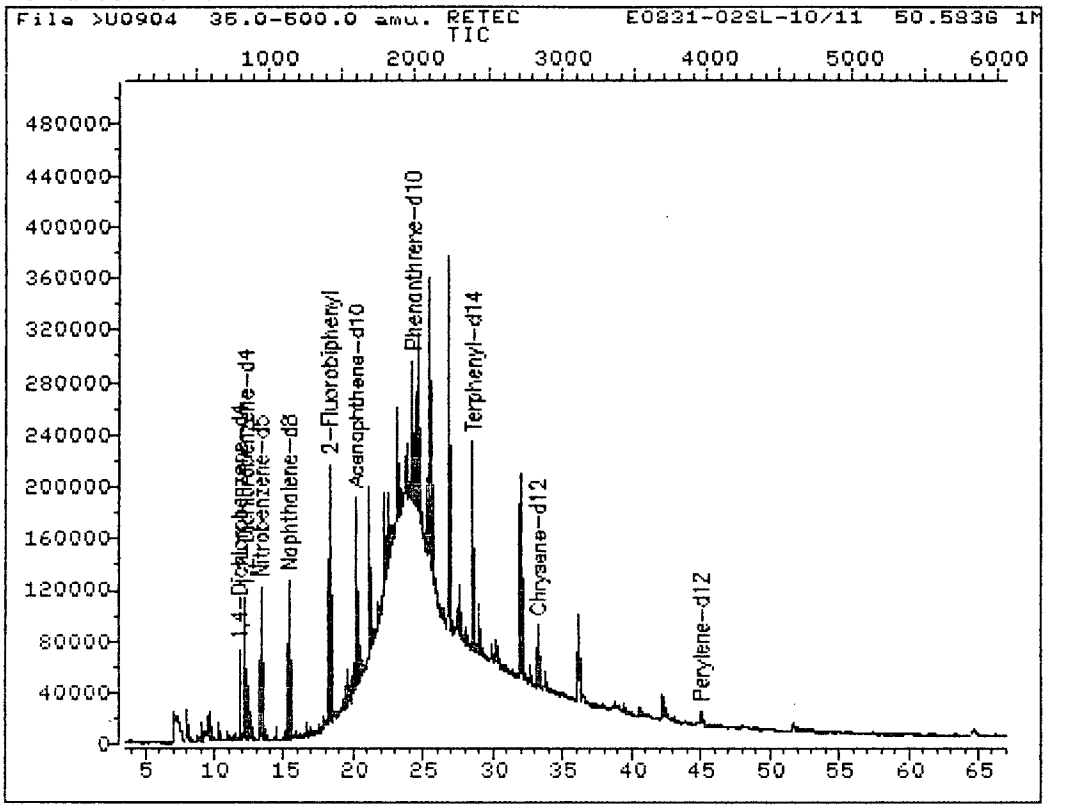
Quant Rev: 7
Quant Time: 940909 21:54
Injected at: 940909 20:46
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.70	152.0	31792	20.00	UG/ML	67
5)	1,2-Dichlorobenzene-d4	12.14	152.0	49884	31.96	UG/ML	58
17)	*Naphthalene-d8	15.29	136.0	135382	20.00	UG/ML	94
18)	Nitrobenzene-d5	13.25	82.0	93006	36.90	UG/ML	57
31)	*Acenaphthene-d10	20.14	164.0	88564	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.21	172.0	166835	34.67	UG/ML	96
51)	*Phenanthrene-d10	24.21	188.0	108717	20.00	UG/ML	97
63)	*Chrysene-d12	33.19	240.0	85439	20.00	UG/ML	95
65)	Terphenyl-d14	28.52	244.0	216754	48.85	UG/ML	85
71)	*Perylene-d12	44.98	264.0	29690	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.01	252.0	1724M	1.18	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

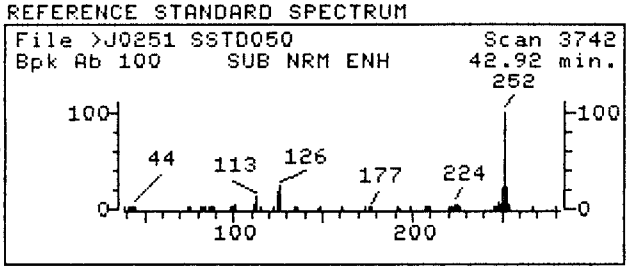


Data File: >U0904 Quant Output File: ^U0904::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-10/11 50.583G 1ML BTL# 6

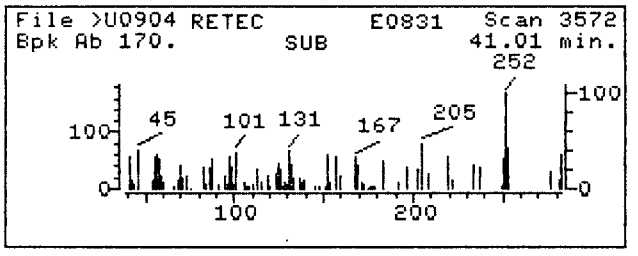
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

Operator ID: ANDY
Quant Time : 940909 21:54
Injected at: 940909 20:46

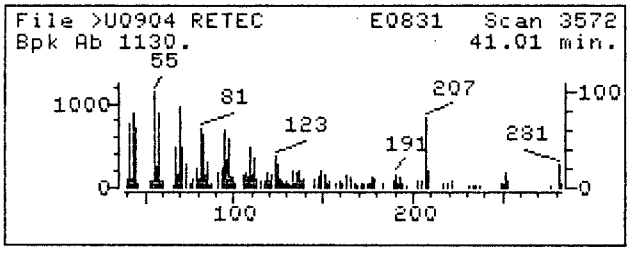
REFERENCE STANDARD SPECTRUM

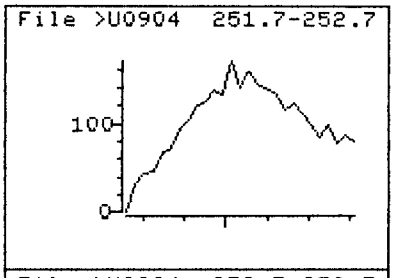


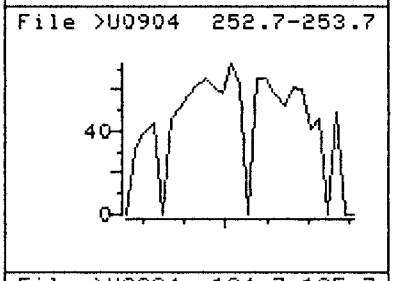
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

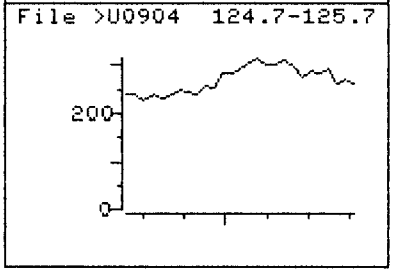


SAMPLE SPECTRUM (UNALTERED)









Data File: >U0904
Name: RETEC E0831-02
Misc: SL-10/11 50.583G 1ML
Quant Time: 940909 21:54
Injected at: 940909 20:46
Last Qcal Time: 940909 16:51

Quant Output File: ^U0904::D1
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3572
Retention Time: 41.01 min.
Quant Ion : 252.0
Area : 1724M
Concentration : 1.18 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12

Sample wt/vol: 50.0 (g/mL) G Lab File ID: >U0322

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/06/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	301	
218-01-9	Chrysene	593	
205-99-2	Benzo(b)fluoranthene	386	
7-08-9	Benzo(k)fluoranthene	156	
0-32-8	Benzo(a)pyrene	304	
193-39-5	Indeno(1,2,3-cd)pyrene	190	
53-70-3	Dibenz(a,h)anthracene	35	U

0504

Operator ID: ANDY
Output File: ^U0322::A5
Data File: >U0322::A0
Name: E0831-02
Misc: SL-12 50.026G 1ML

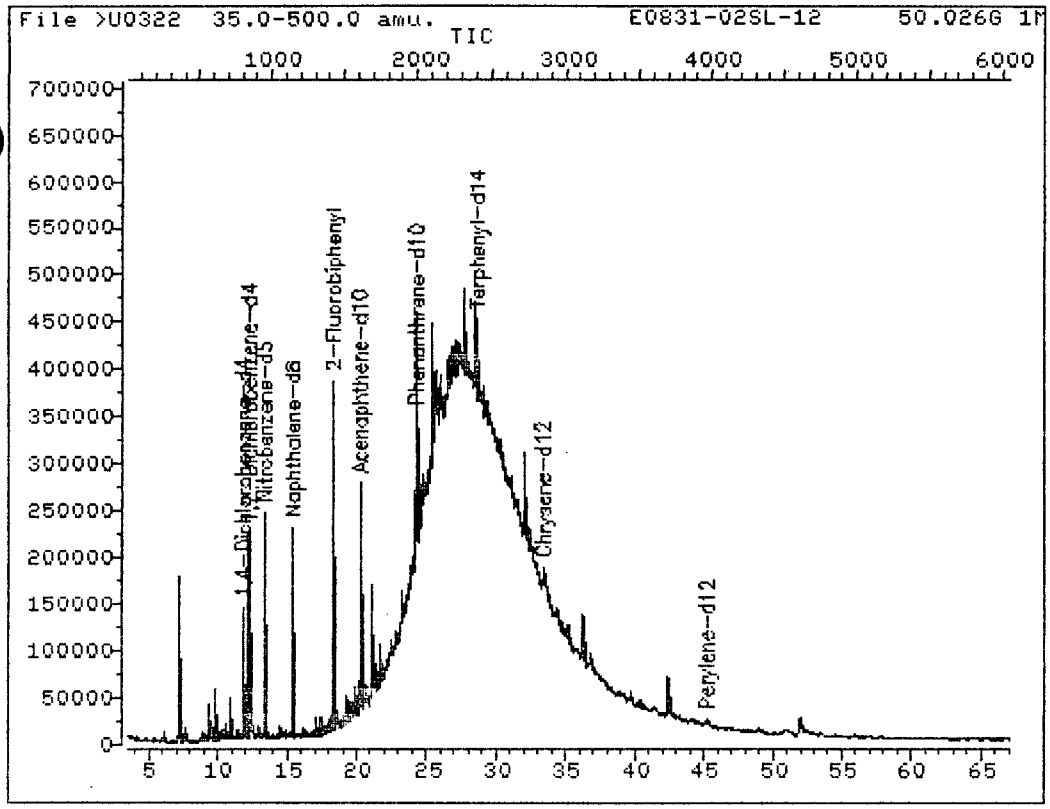
Quant Rev: 7
Quant Time: 940906 15:10
Injected at: 940906 10:48
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#23

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940905 23:33

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.76	152.0	63464	20.00	UG/ML	65
5)	1,2-Dichlorobenzene-d4	12.20	152.0	104594	33.50	UG/ML	58
17)	*Naphthalene-d8	15.34	136.0	248657	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.30	82.0	185581	40.56	UG/ML	56
31)	*Acenaphthene-d10	20.18	164.0	153552	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.25	172.0	308615	39.33	UG/ML	97
51)	*Phenanthrene-d10	24.26	188.0	160182	20.00	UG/ML	95
63)	*Chrysene-d12	33.33	240.0	37851M	20.00	UG/ML	87
65)	Terphenyl-d14	28.60	244.0	154614	68.42	UG/ML	86
68)	Benzo(a)anthracene	33.27	228.0	26035	12.93	UG/ML	92
69)	Chrysene	33.48	228.0	45504M	25.48	UG/ML	97
71)	*Perylene-d12	45.19	264.0	14883	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.21	252.0	16953M	16.61	UG/ML	75
74)	Benzo(k)fluoranthene	41.47	252.0	6667M	6.70	UG/ML	74
75)	Benzo(a)pyrene	44.58	252.0	9774	13.06	UG/ML	71
76)	Indeno(1,2,3-cd)pyrene	60.40	276.0	3644	8.16	UG/ML	78
77)	Dibenz(a,h)anthracene	60.90	278.0	288M	.676	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

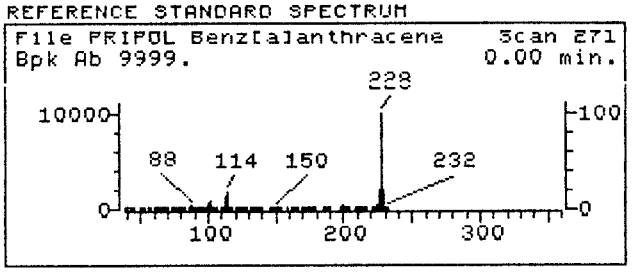


Data File: >U0322 Quant Output File: ^U0322::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-12 50.026G 1ML BTL#23

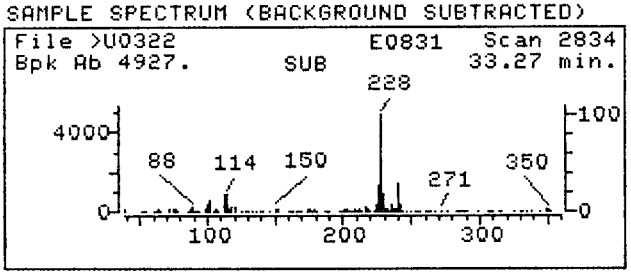
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940905 23:33

Operator ID: ANDY
Quant Time : 940906 15:10
Injected at: 940906 10:48

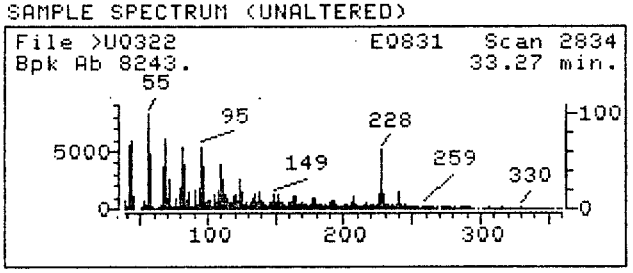
REFERENCE STANDARD SPECTRUM

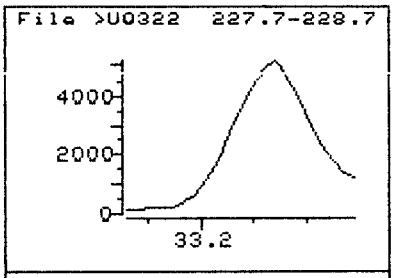


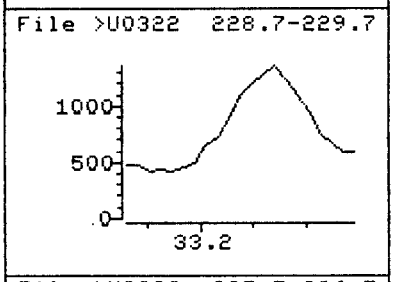
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

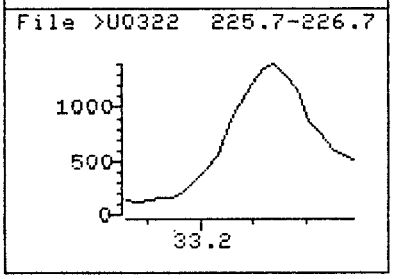


SAMPLE SPECTRUM (UNALTERED)







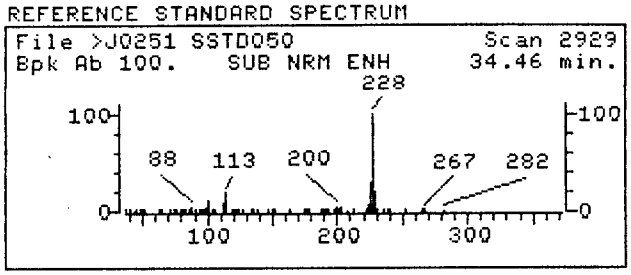


Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

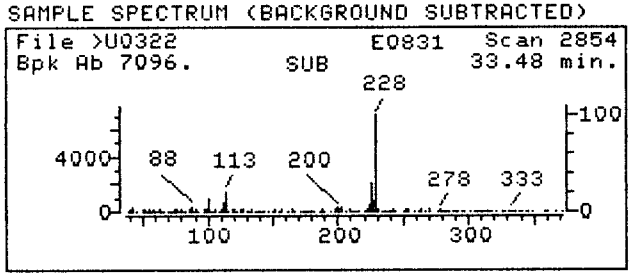
Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2834
Retention Time: 33.27 min.
Quant Ion : 228.0
Area : 26035
Concentration : 12.93 UG/ML
q-value : 92

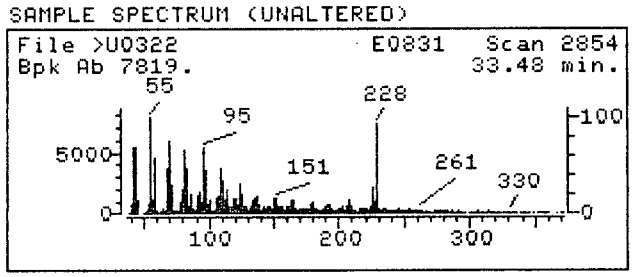
REFERENCE STANDARD SPECTRUM

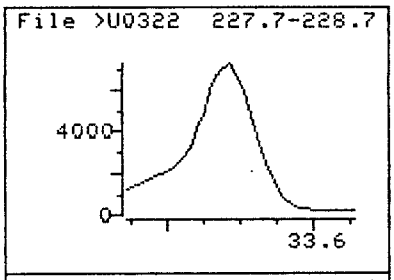


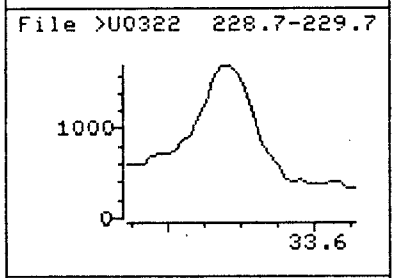
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

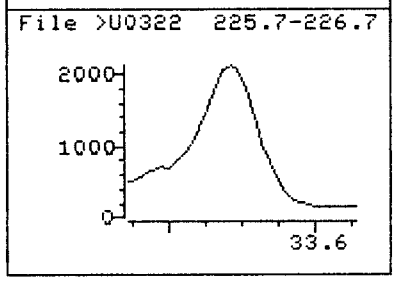


SAMPLE SPECTRUM (UNALTERED)







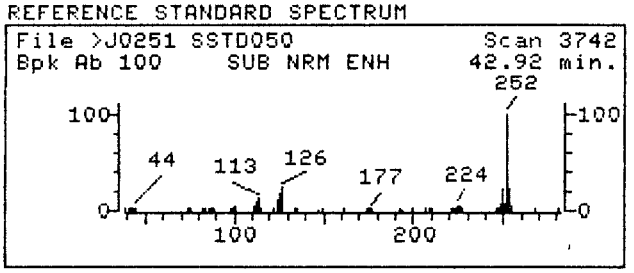


Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

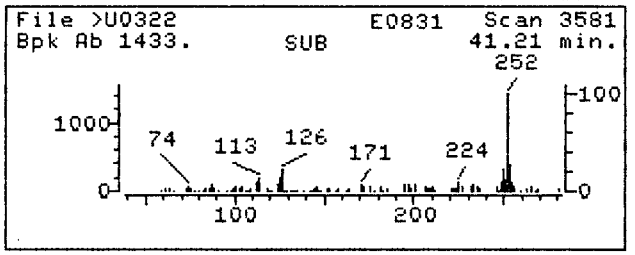
Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2854
Retention Time: 33.48 min.
Quant Ion : 228.0
Area : 45504M
Concentration : 25.48 UG/ML
q-value : 97

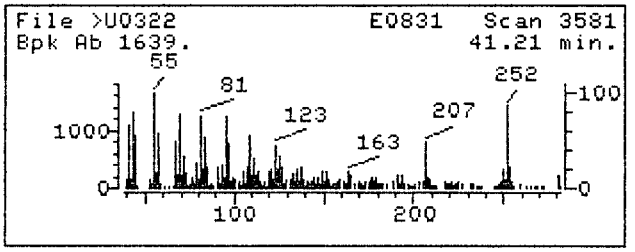
REFERENCE STANDARD SPECTRUM

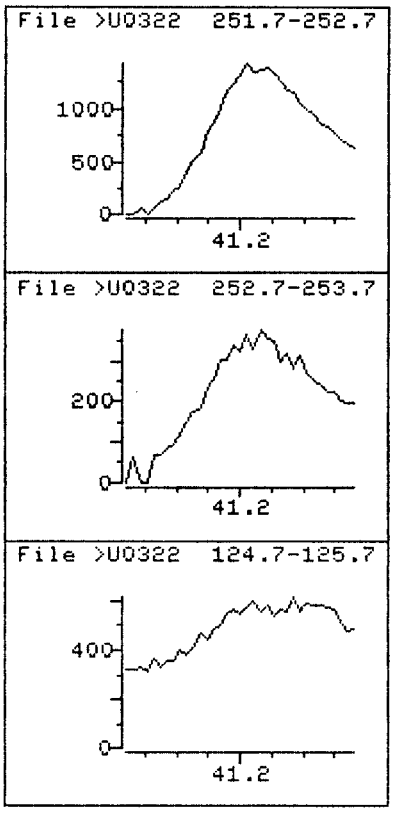


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



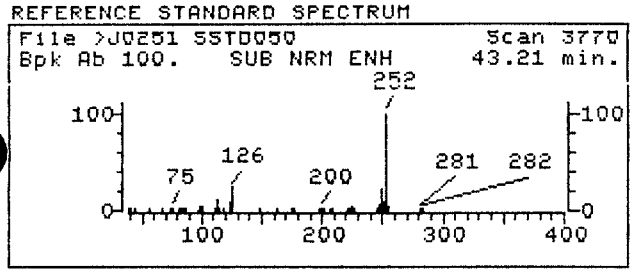


Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

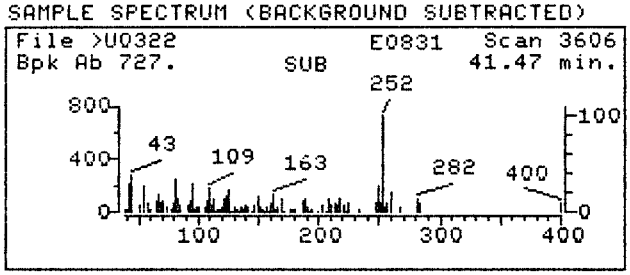
Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3581
Retention Time: 41.21 min.
Quant Ion : 252.0
Area : 16953M
Concentration : 16.61 UG/ML
q-value : 75

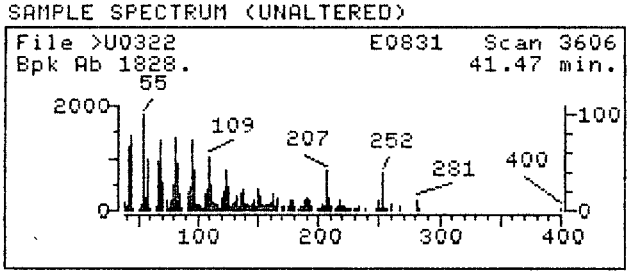
REFERENCE STANDARD SPECTRUM

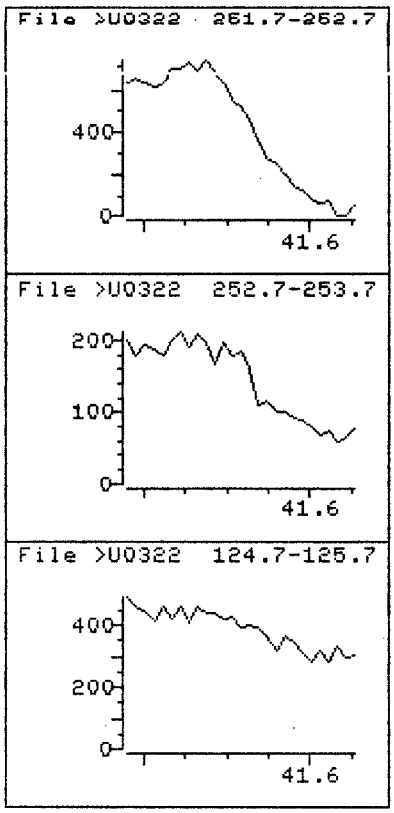


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



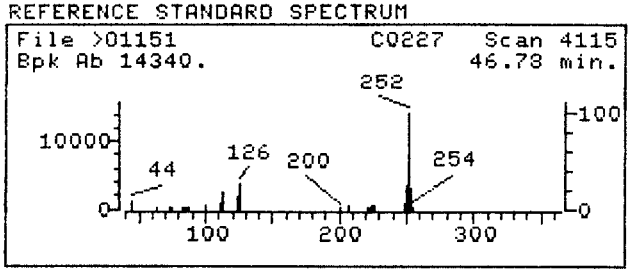


Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

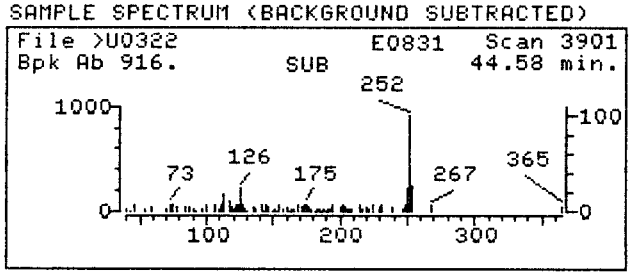
Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3606
Retention Time: 41.47 min.
Quant Ion : 252.0
Area : 6667M
Concentration : 6.70 UG/ML
q-value : 74

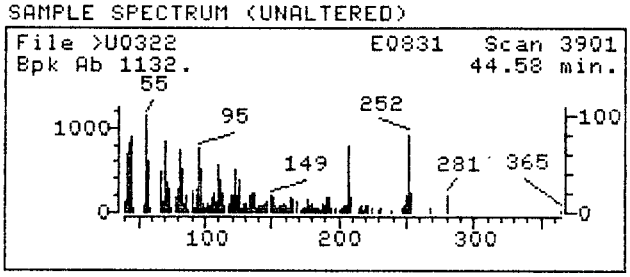
REFERENCE STANDARD SPECTRUM

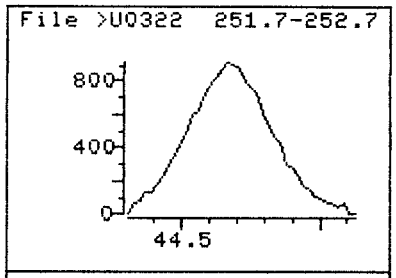


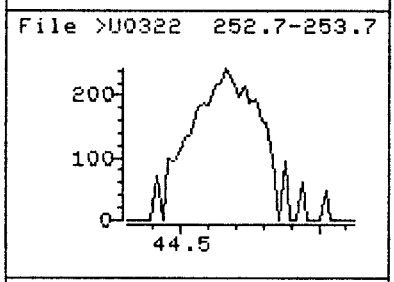
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

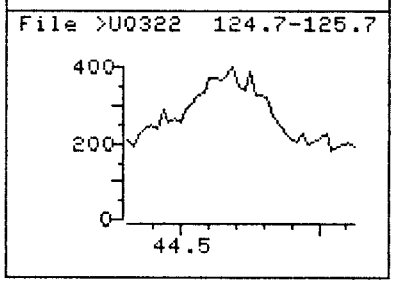


SAMPLE SPECTRUM (UNALTERED)







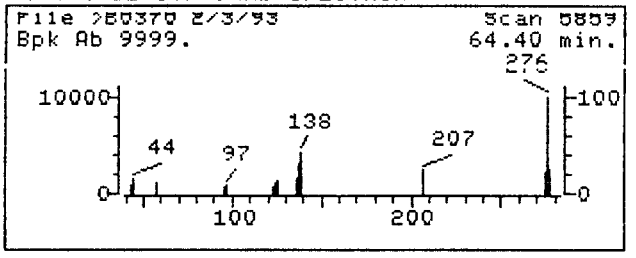


Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

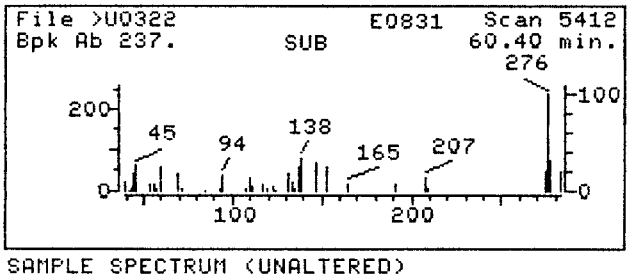
Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3901
Retention Time: 44.58 min.
Quant Ion : 252.0
Area : 9774
Concentration : 13.06 UG/ML
q-value : 71

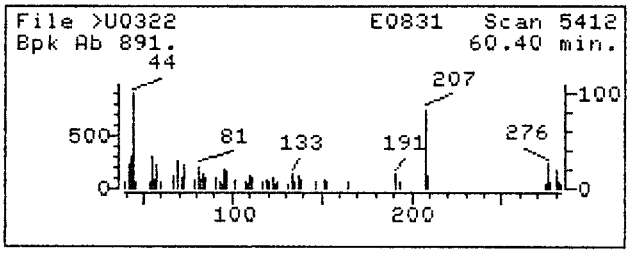
REFERENCE STANDARD SPECTRUM

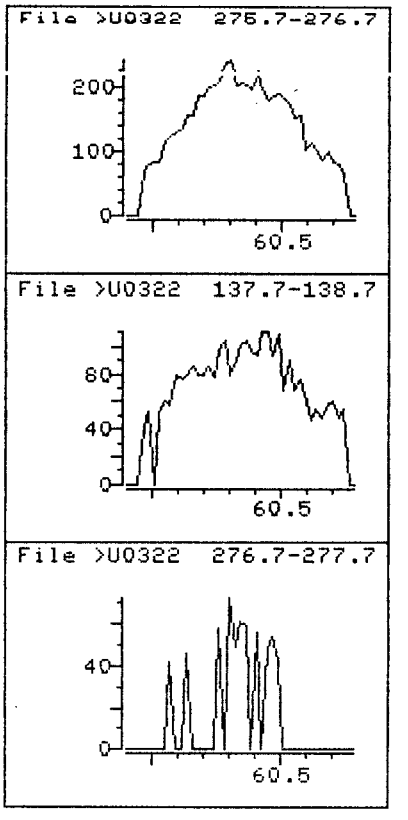


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



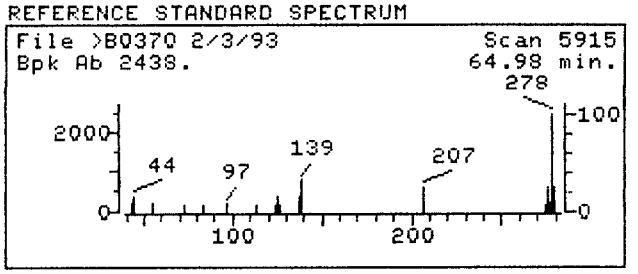


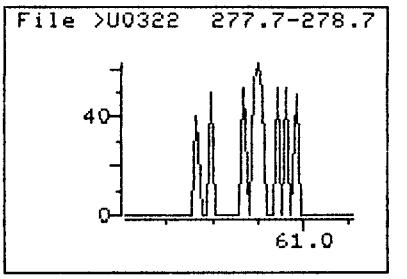
Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

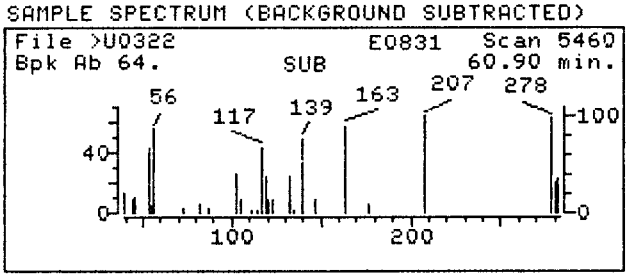
Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5412
Retention Time: 60.40 min.
Quant Ion : 276.0
Area : 3644
Concentration : 8.16 UG/ML
q-value : 78

REFERENCE STANDARD SPECTRUM

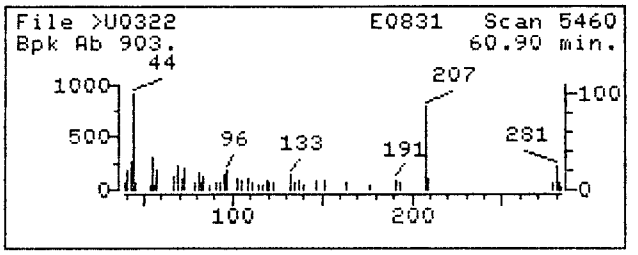


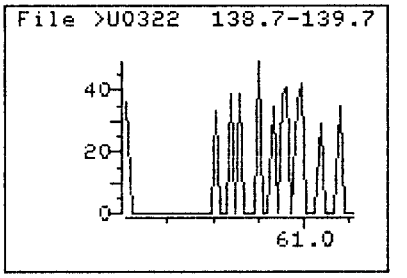


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0322
Name: E0831-02
Misc: SL-12 50.026G 1ML
Quant Time: 940906 15:10
Injected at: 940906 10:48
Last Qcal Time: 940905 23:33

Quant Output File: ^U0322::A5
Instrument ID: MACH-2
BTL#23
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 77
Compound Name : Dibenz(a,h)anthracene
Scan Number : 5460
Retention Time: 60.90 min.
Quant Ion : 278.0
Area : 288M
Concentration : .676 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12RE

Sample wt/vol: 50.0 (g/mL) G Lab File ID: >U0905

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 14 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.8

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	310	
218-01-9	Chrysene	644	
205-99-2	Benzo(b)fluoranthene	482	
207-08-9	Benzo(k)fluoranthene	206	
50-32-8	Benzo(a)pyrene	326	
193-39-5	Indeno(1,2,3-cd)pyrene	180	
53-70-3	Dibenz(a,h)anthracene	351	U

0514

Operator ID: ANDY
Output File: ^U0905::D1
Data File: >U0905::A2
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML

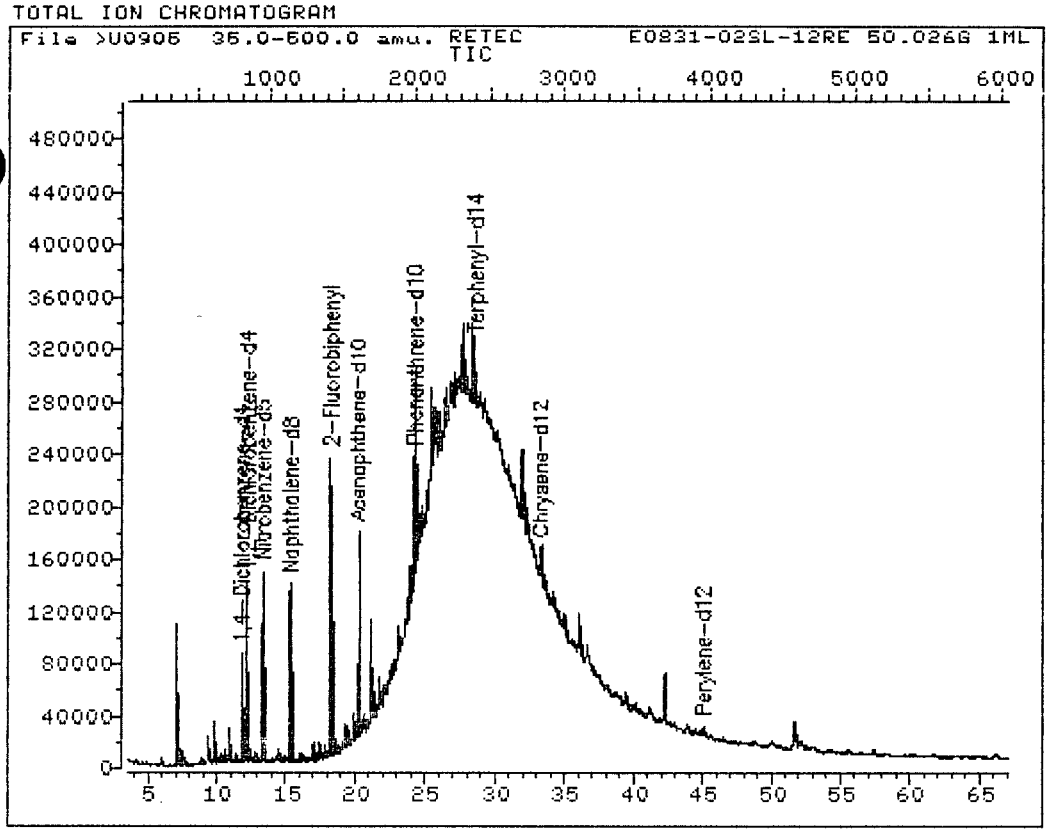
Quant Rev: 7
Quant Time: 940909 23:07
Injected at: 940909 21:59
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 7

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.70	152.0	37621	20.00	UG/ML	65
5)	1,2-Dichlorobenzene-d4	12.15	152.0	61402	33.24	UG/ML	56
17)	*Naphthalene-d8	15.29	136.0	148707	20.00	UG/ML	94
18)	Nitrobenzene-d5	13.25	82.0	113059	40.84	UG/ML	54
31)	*Acenaphthene-d10	20.13	164.0	96641	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.20	172.0	191020	36.38	UG/ML	95
51)	*Phenanthrene-d10	24.21	188.0	115165	20.00	UG/ML	96
63)	*Chrysene-d12	33.24	240.0	40268	20.00	UG/ML	90
65)	Terphenyl-d14	28.53	244.0	128049	61.24	UG/ML	83
68)	Benzo(a)anthracene	33.16	228.0	28124	13.33	UG/ML	92
69)	Chrysene	33.38	228.0	48889M	27.69	UG/ML	98
71)	*Perylene-d12	45.00	264.0	23295	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.06	252.0	23742M	20.71	UG/ML	83
74)	Benzo(k)fluoranthene	41.30	252.0	9625M	8.84	UG/ML	83
75)	Benzo(a)pyrene	44.40	252.0	13761	14.03	UG/ML	82
76)	Indeno(1,2,3-cd)pyrene	60.11	276.0	7220	7.72	UG/ML	77

* Compound is ISTD

TOTAL ION CHROMATOGRAM

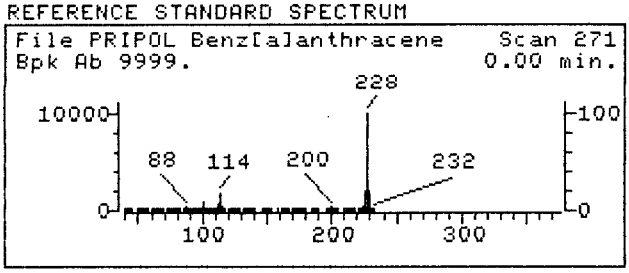


Data File: >U0905 Quant Output File: ^U0905::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-12RE 50.026G 1ML BTL# 7

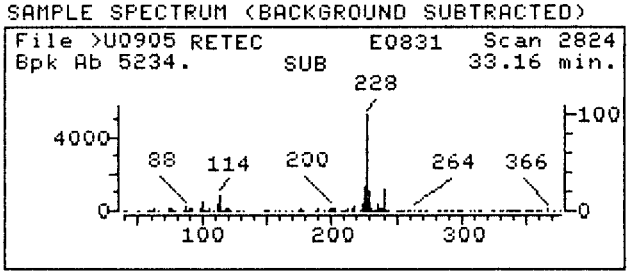
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

Operator ID: ANDY
Quant Time : 940909 23:07
Injected at: 940909 21:59

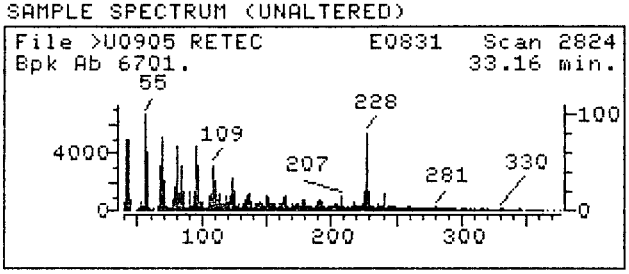
REFERENCE STANDARD SPECTRUM

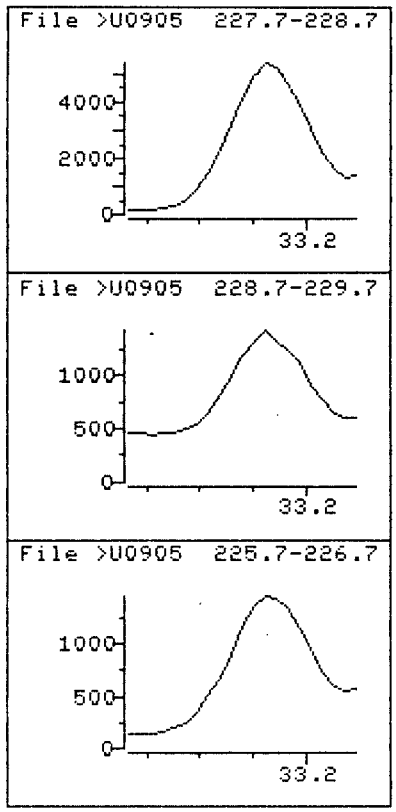


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



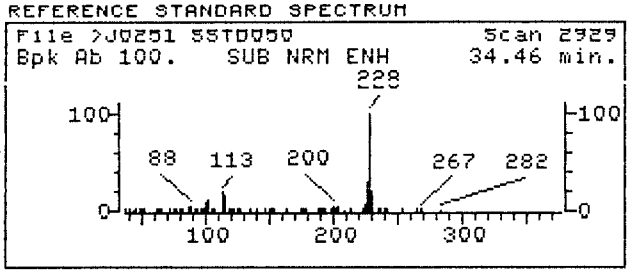


Data File: >U0905
Name: RETEC E0831-02.
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

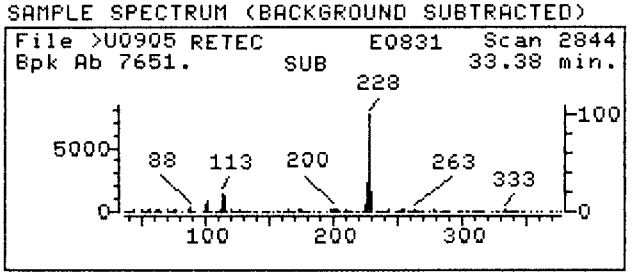
Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2824
Retention Time: 33.16 min.
Quant Ion : 228.0
Area : 28124
Concentration : 13.33 UG/ML
q-value : 92

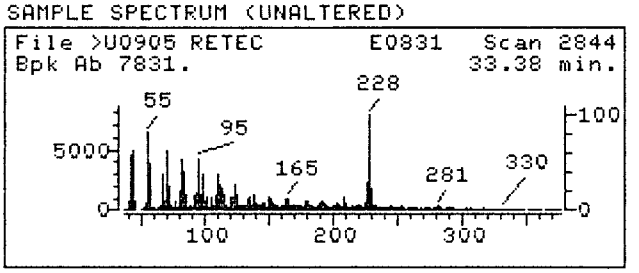
REFERENCE STANDARD SPECTRUM

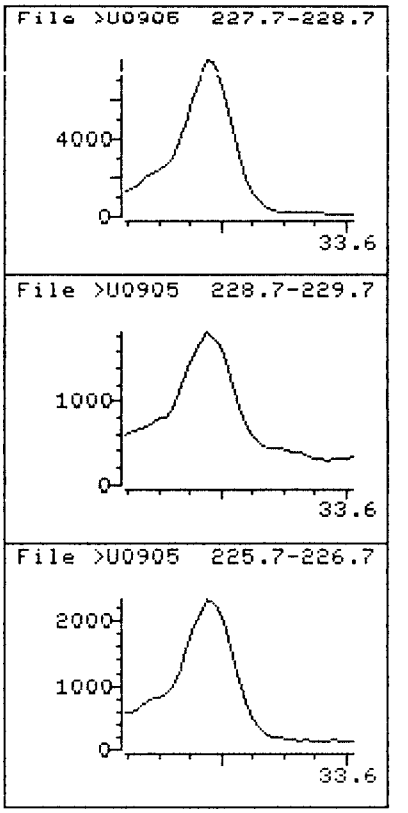


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



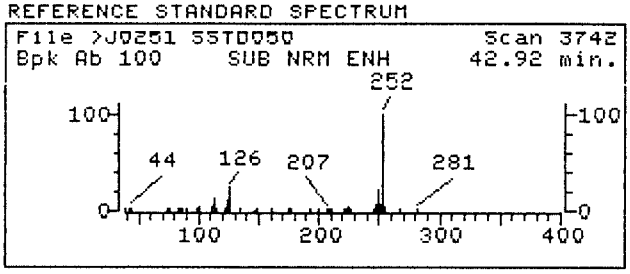


Data File: >U0905
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

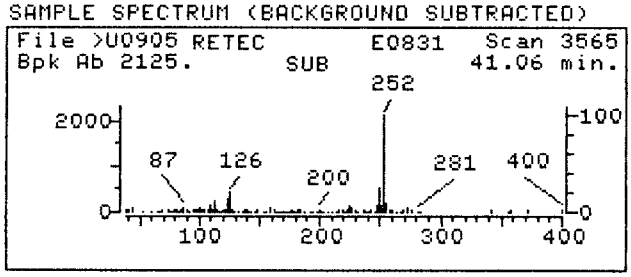
Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2844
Retention Time: 33.38 min.
Quant Ion : 228.0
Area : 48889M
Concentration : 27.69 UG/ML
q-value : 98

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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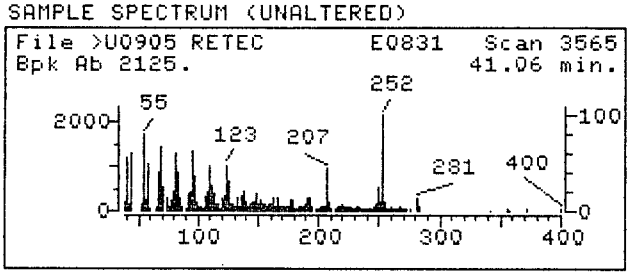
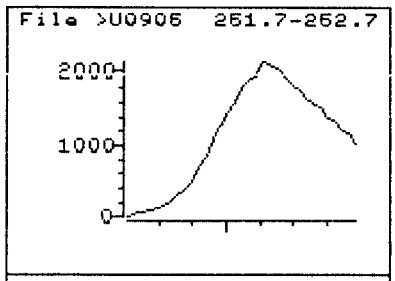
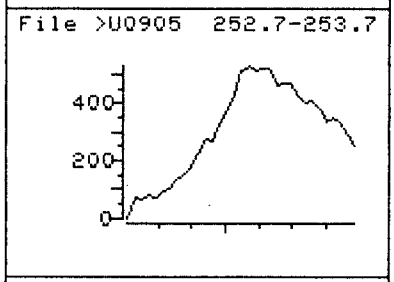
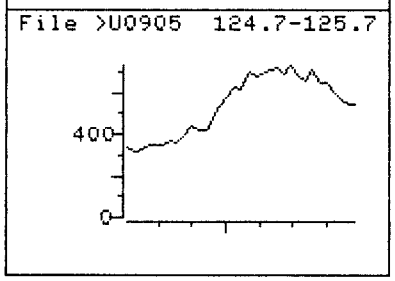






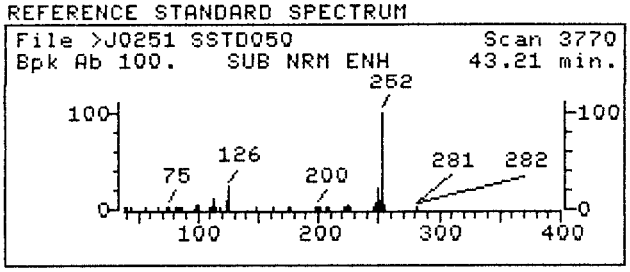


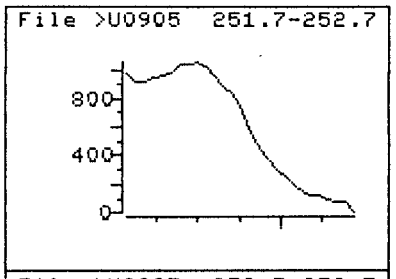
Data File: >U0905
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

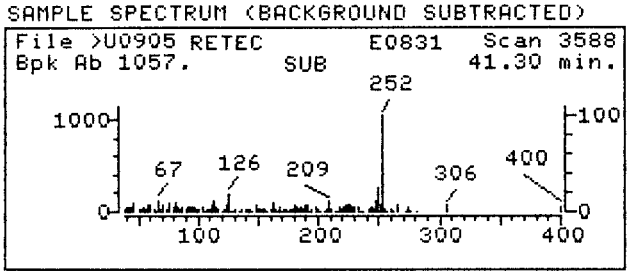
Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3565
Retention Time: 41.06 min.
Quant Ion : 252.0
Area : 23742M
Concentration : 20.71 UG/ML
q-value : 83

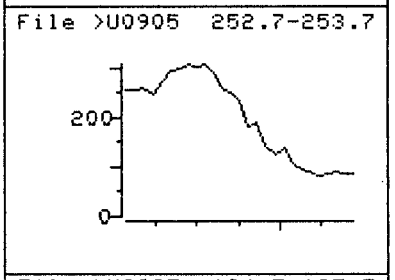
REFERENCE STANDARD SPECTRUM



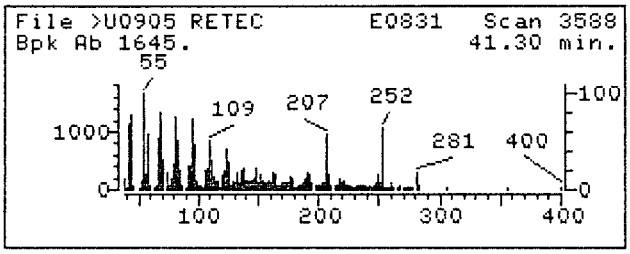


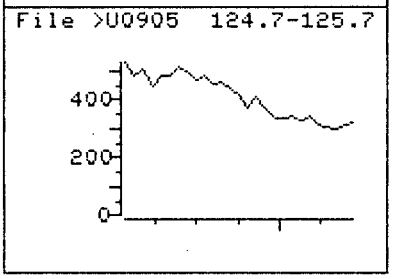
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



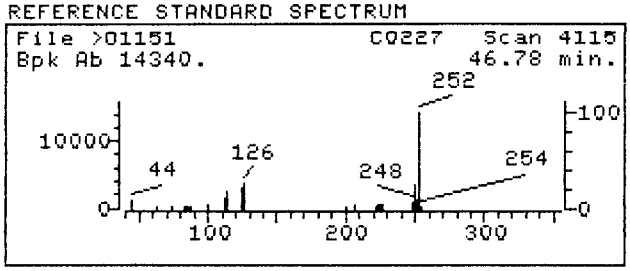


Data File: >U0905
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

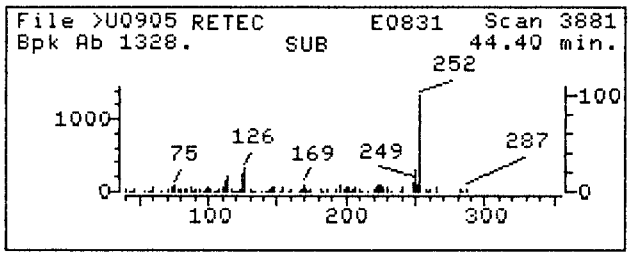
Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3588
Retention Time: 41.30 min.
Quant Ion : 252.0
Area : 9625M
Concentration : 8.84 UG/ML
q-value : 83

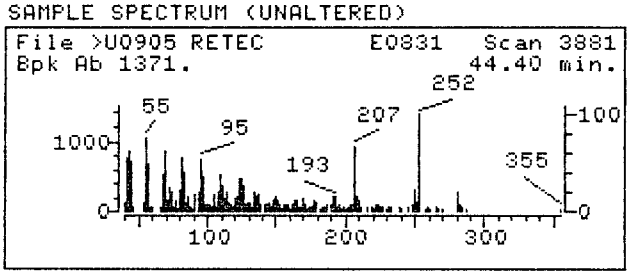
REFERENCE STANDARD SPECTRUM

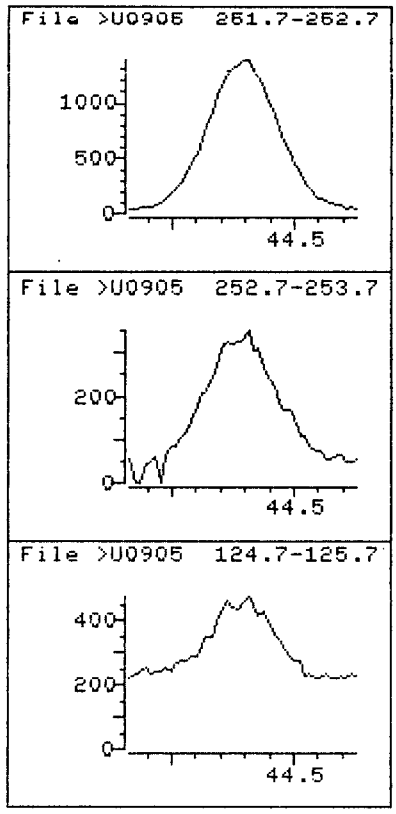


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



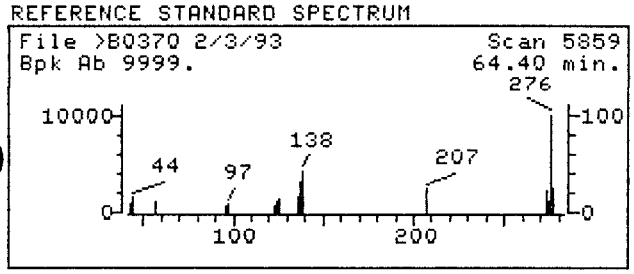


Data File: >U0905
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

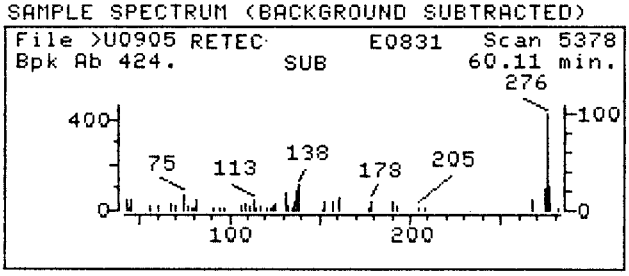
Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3881
Retention Time: 44.40 min.
Quant Ion : 252.0
Area : 13761
Concentration : 14.03 UG/ML
q-value : 82

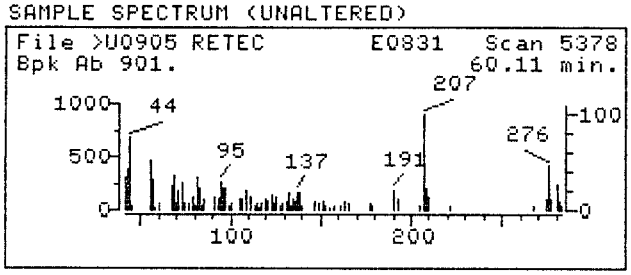
REFERENCE STANDARD SPECTRUM

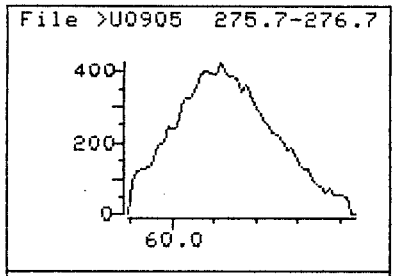


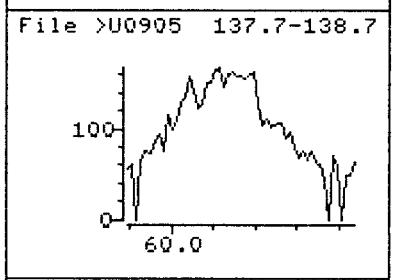
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

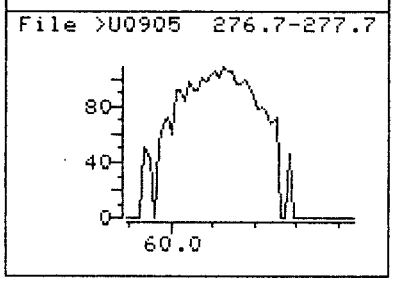


SAMPLE SPECTRUM (UNALTERED)









Data File: >U0905
Name: RETEC E0831-02
Misc: SL-12RE 50.026G 1ML
Quant Time: 940909 23:07
Injected at: 940909 21:59
Last Qcal Time: 940909 16:51

Quant Output File: ^U0905::D1
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5378
Retention Time: 60.11 min.
Quant Ion : 276.0
Area : 7220
Concentration : 7.72 UG/ML
q-value : 77

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-12B

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-12B

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U1302

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 18 decanted:(Y/N) N Date Extracted: 09/12/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/13/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	41	
218-01-9	Chrysene	76	
205-99-2	Benzo(b)fluoranthene	96	
207-08-9	Benzo(k)fluoranthene	31	
50-32-8	Benzo(a)pyrene	58	
193-39-5	Indeno(1,2,3-cd)pyrene	36	U
53-70-3	Dibenz(a,h)anthracene	36	U

0523

Operator ID: ANDY
Output File: ^U1302::A5
Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML

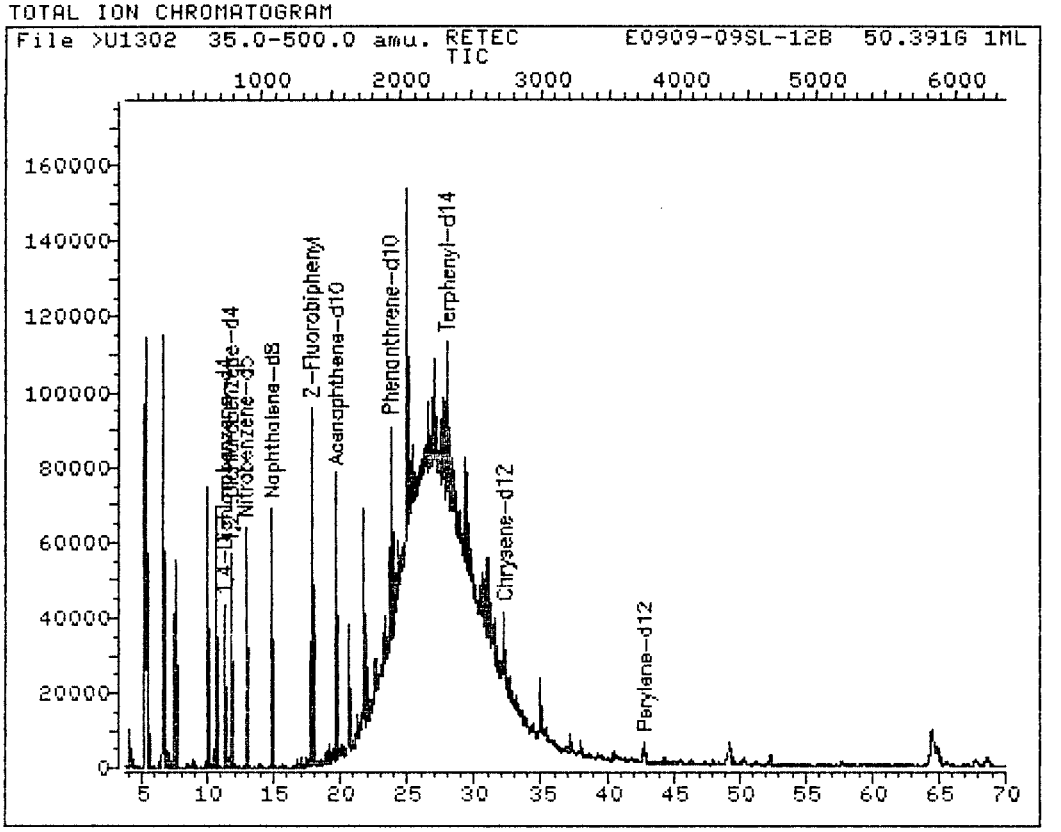
Quant Rev: 7
Quant Time: 940914 09:25
Injected at: 940913 19:27
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940913 17:23

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.20	152.0	19933	20.00	UG/ML	64
5)	1,2-Dichlorobenzene-d4	11.65	152.0	26008	29.85	UG/ML	54
17)	*Naphthalene-d8	14.79	136.0	76348	20.00	UG/ML	99
18)	Nitrobenzene-d5	12.75	82.0	46219	30.48	UG/ML	48
31)	*Acenaphthene-d10	19.61	164.0	46292	20.00	UG/ML	98
36)	2-Fluorobiphenyl	17.71	172.0	80289	29.35	UG/ML	96
51)	*Phenanthrene-d10	23.66	188.0	71108	20.00	UG/ML	95
63)	*Chrysene-d12	32.18	240.0	32177	20.00	UG/ML	96
65)	Terphenyl-d14	27.91	244.0	65759	38.46	UG/ML	80
68)	Benzo(a)anthracene	32.13	228.0	3144M	1.70	UG/ML	78
69)	Chrysene	32.31	228.0	5114M	3.13	UG/ML	85
71)	*Perylene-d12	42.78	264.0	20513	20.00	UG/ML	92
73)	Benzo(b)fluoranthene	39.23	252.0	5072M	4.02	UG/ML	89
74)	Benzo(k)fluoranthene	39.47	252.0	1501M	1.27	UG/ML	88
75)	Benzo(a)pyrene	42.23	252.0	2458	2.38	UG/ML	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

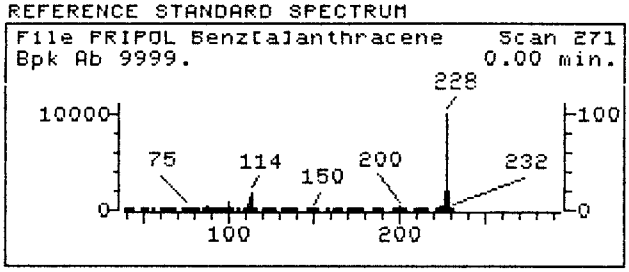


Data File: >U1302::A5 Quant Output File: ^U1302::A5
Name: RETEC E0909-09 Instrument ID: MACH-2
Misc: SL-12B 50.391G 1ML BTL# 3

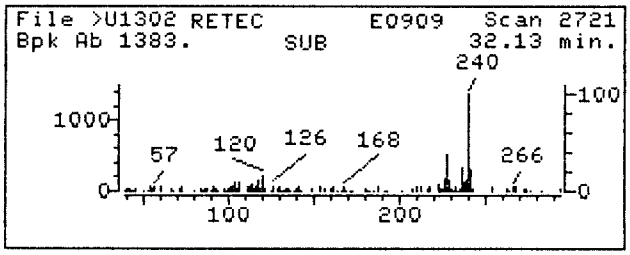
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940913 17:23

Operator ID: ANDY
Quant Time : 940914 09:25
Injected at: 940913 19:27

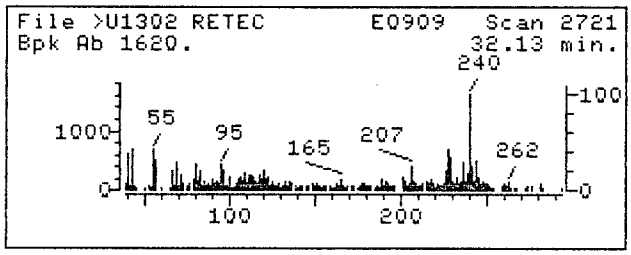
REFERENCE STANDARD SPECTRUM

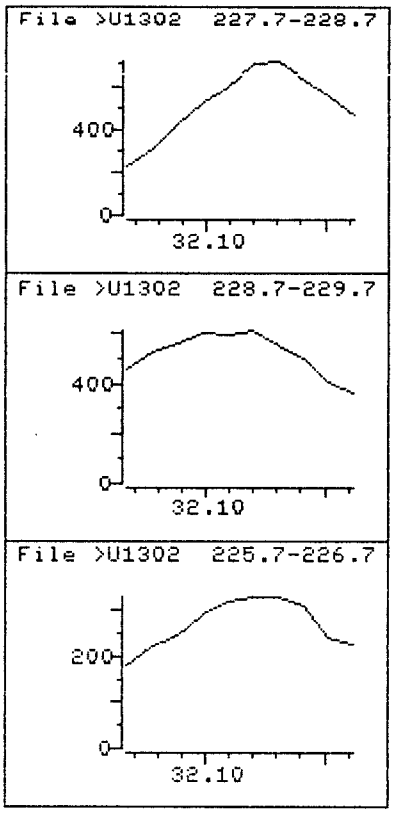


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



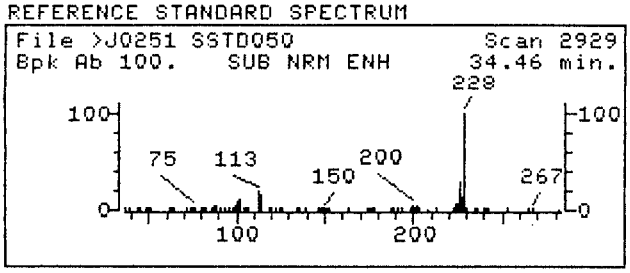


Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML
Quant Time: 940914 09:25
Injected at: 940913 19:27
Last Qcal Time: 940913 17:23

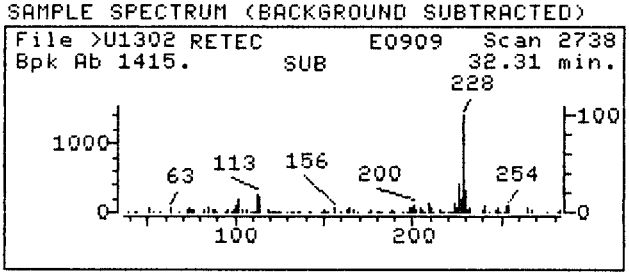
Quant Output File: ^U1302::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2721
Retention Time: 32.13 min.
Quant Ion : 228.0
Area : 3144M
Concentration : 1.70 UG/ML
q-value : 78

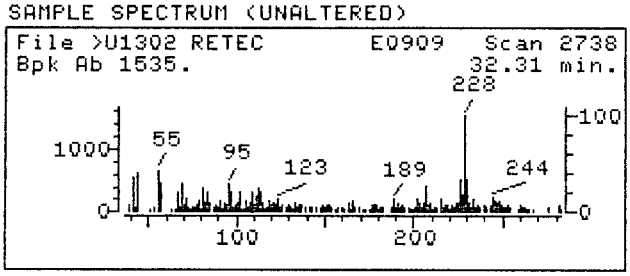
REFERENCE STANDARD SPECTRUM

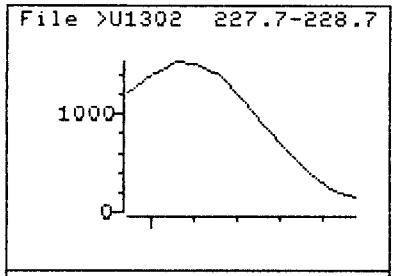


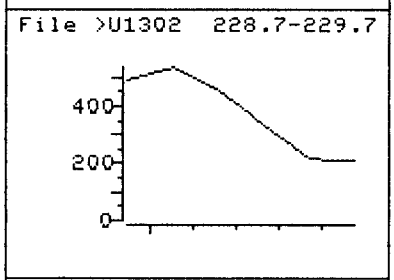
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

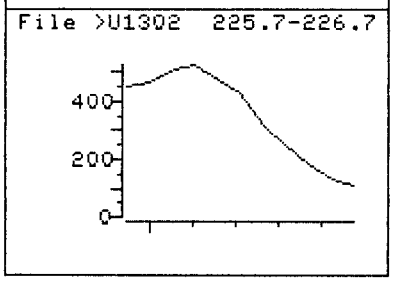


SAMPLE SPECTRUM (UNALTERED)







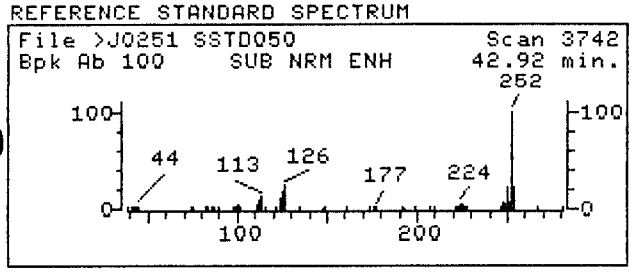


Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML
Quant Time: 940914 09:25
Injected at: 940913 19:27
Last Qcal Time: 940913 17:23

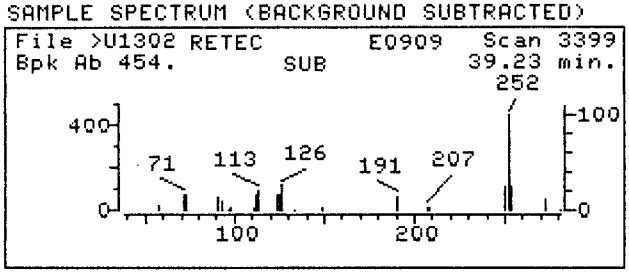
Quant Output File: ^U1302::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2738
Retention Time: 32.31 min.
Quant Ion : 228.0
Area : 5114M
Concentration : 3.13 UG/ML
q-value : 85

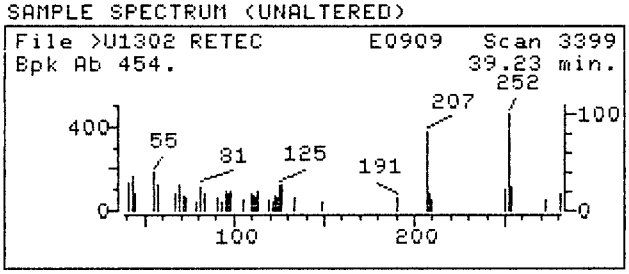
REFERENCE STANDARD SPECTRUM

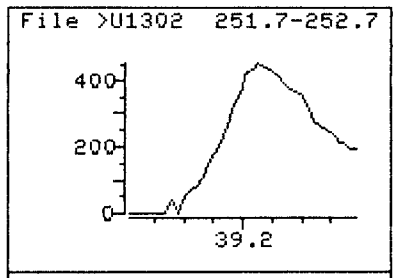


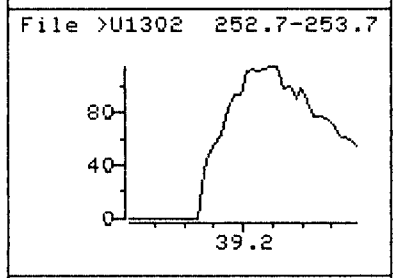
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

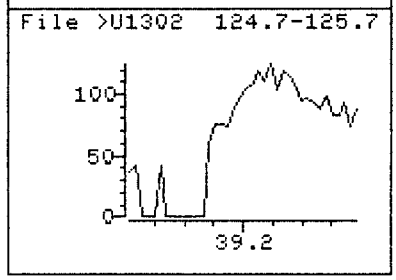


SAMPLE SPECTRUM (UNALTERED)







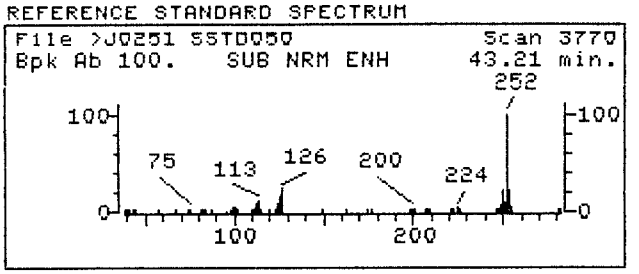


Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML
Quant Time: 940914 09:25
Injected at: 940913 19:27
Last Qcal Time: 940913 17:23

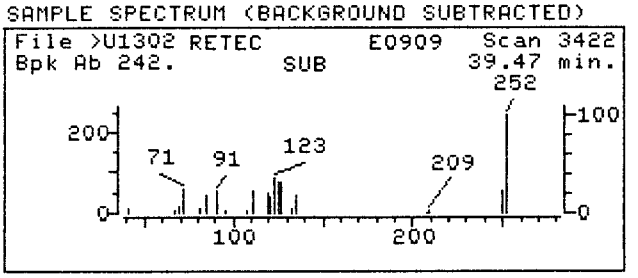
Quant Output File: ^U1302::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3399
Retention Time: 39.23 min.
Quant Ion : 252.0
Area : 5072M
Concentration : 4.02 UG/ML
q-value : 89

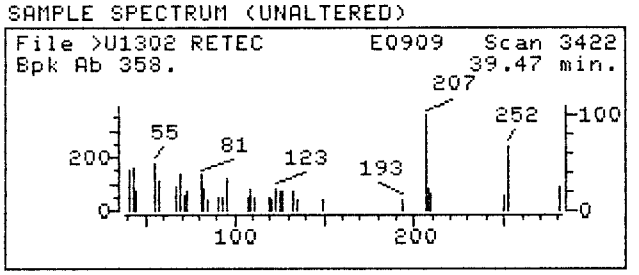
REFERENCE STANDARD SPECTRUM

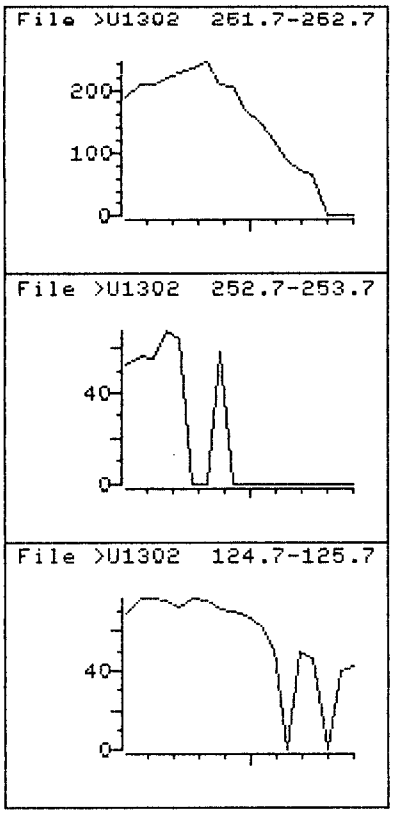


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



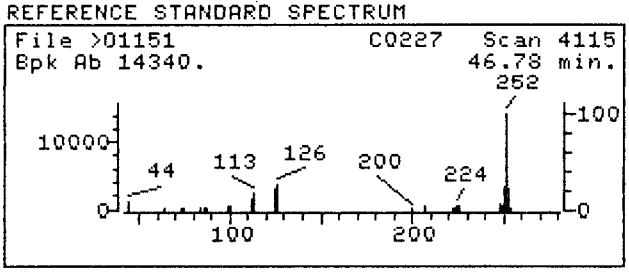


Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML
Quant Time: 940914 09:25
Injected at: 940913 19:27
Last Qcal Time: 940913 17:23

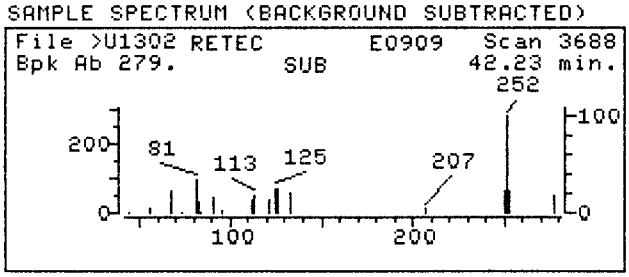
Quant Output File: ^U1302::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3422
Retention Time: 39.47 min.
Quant Ion : 252.0
Area : 1501M
Concentration : 1.27 UG/ML
q-value : 88

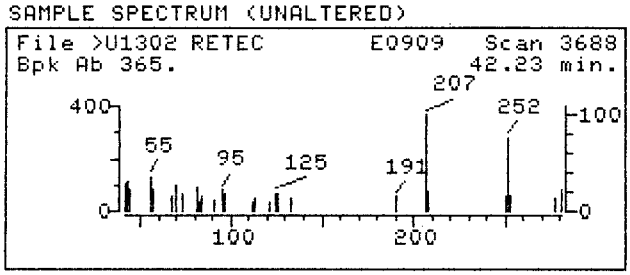
REFERENCE STANDARD SPECTRUM

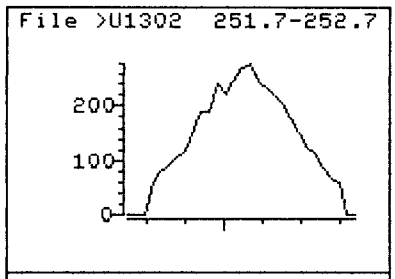


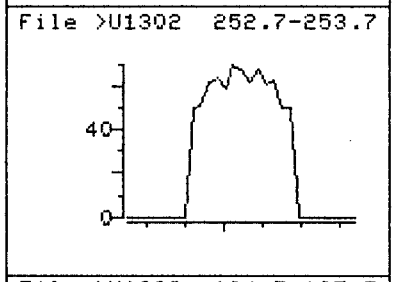
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

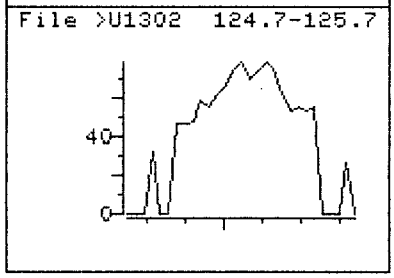


SAMPLE SPECTRUM (UNALTERED)









Data File: >U1302::A5
Name: RETEC E0909-09
Misc: SL-12B 50.391G 1ML
Quant Time: 940914 09:25
Injected at: 940913 19:27
Last Qcal Time: 940913 17:23

Quant Output File: ^U1302::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3688
Retention Time: 42.23 min.
Quant Ion : 252.0
Area : 2458
Concentration : 2.38 UG/ML
q-value : 92

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0805

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	47	
218-01-9	Chrysene	61	
205-99-2	Benzo(b)fluoranthene	104	
207-08-9	Benzo(k)fluoranthene	35	J
50-32-8	Benzo(a)pyrene	46	
193-39-5	Indeno(1,2,3-cd)pyrene	27	J
53-70-3	Dibenz(a,h)anthracene	39	U

Operator ID: ANDY
Output File: ^U0805::A5
Data File: >U0805::A2
Name: E0831-02
Misc: SL-13 50.300G 1ML

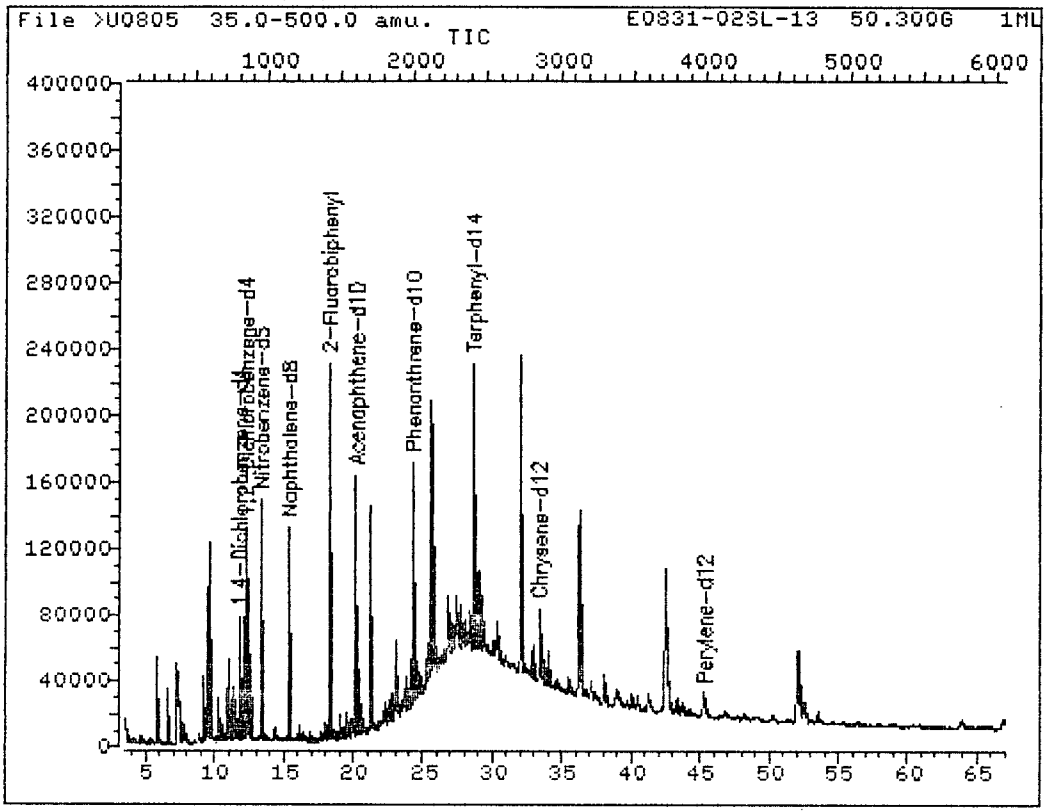
Quant Rev: 7
Quant Time: 940908 19:45
Injected at: 940908 18:37
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 6

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.76	152.0	34448	20.00	UG/ML	64
5)	1,2-Dichlorobenzene-d4	12.20	152.0	57824	35.97	UG/ML	58
17)	*Naphthalene-d8	15.34	136.0	139817	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.31	82.0	106780	42.24	UG/ML	55
31)	*Acenaphthene-d10	20.19	164.0	93609	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.26	172.0	188555	37.54	UG/ML	96
51)	*Phenanthrene-d10	24.27	188.0	132634	20.00	UG/ML	99
63)	*Chrysene-d12	33.33	240.0	72079	20.00	UG/ML	96
65)	Terphenyl-d14	28.60	244.0	233986	69.95	UG/ML	83
68)	Benzo(a)anthracene	33.27	228.0	6814	1.83	UG/ML	88
69)	Chrysene	33.48	228.0	7416M	2.37	UG/ML	93
71)	*Perylene-d12	45.29	264.0	29528	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.27	252.0	5945	4.04	UG/ML	43
74)	Benzo(k)fluoranthene	41.51	252.0	2027M	1.36	UG/ML	42
75)	Benzo(a)pyrene	44.67	252.0	2260	1.78	UG/ML	21
76)	Indeno(1,2,3-cd)pyrene	60.62	276.0	1151M	1.06	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

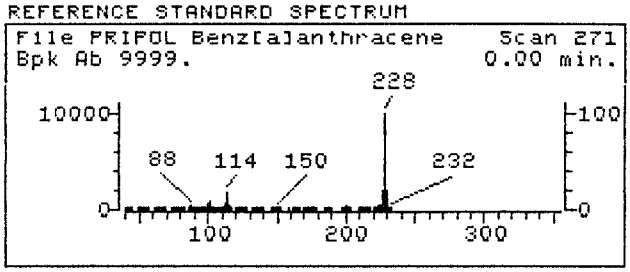


Data File: >U0805 Quant Output File: ^U0805::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-13 50.300G 1ML BTL# 6

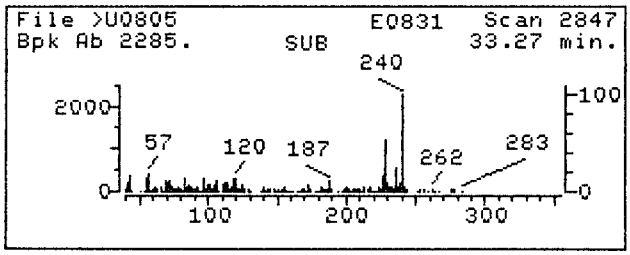
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940908 19:45
Injected at: 940908 18:37

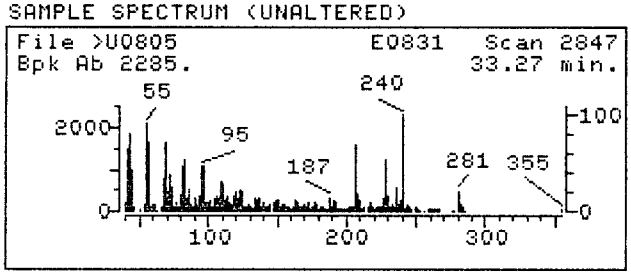
REFERENCE STANDARD SPECTRUM

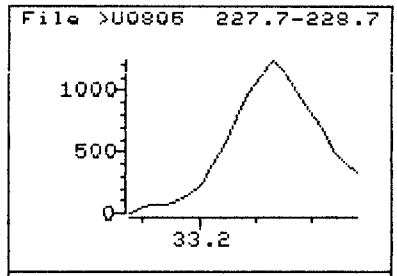


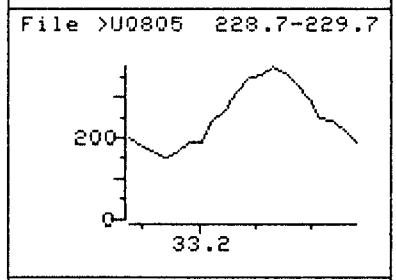
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

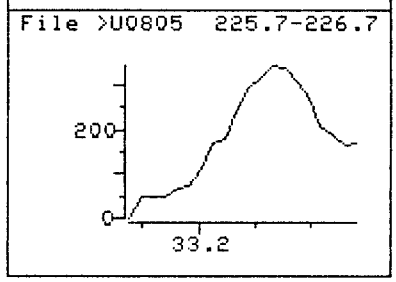


SAMPLE SPECTRUM (UNALTERED)







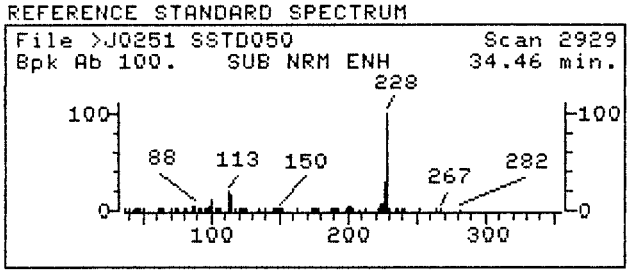


Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

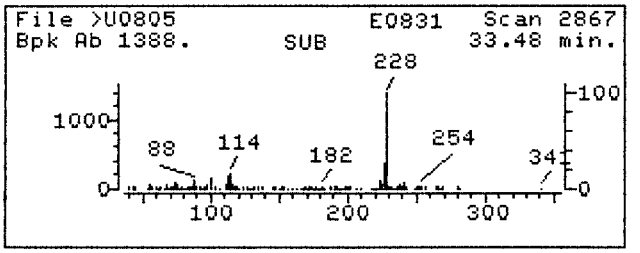
Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2847
Retention Time: 33.27 min.
Quant Ion : 228.0
Area : 6814
Concentration : 1.83 UG/ML
q-value : 88

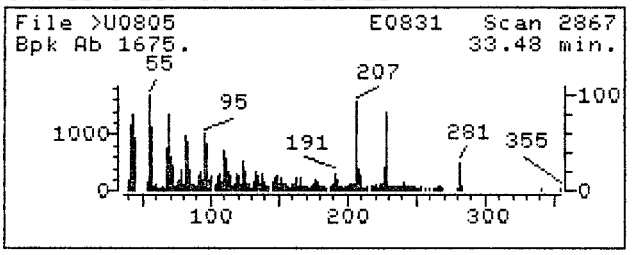
REFERENCE STANDARD SPECTRUM

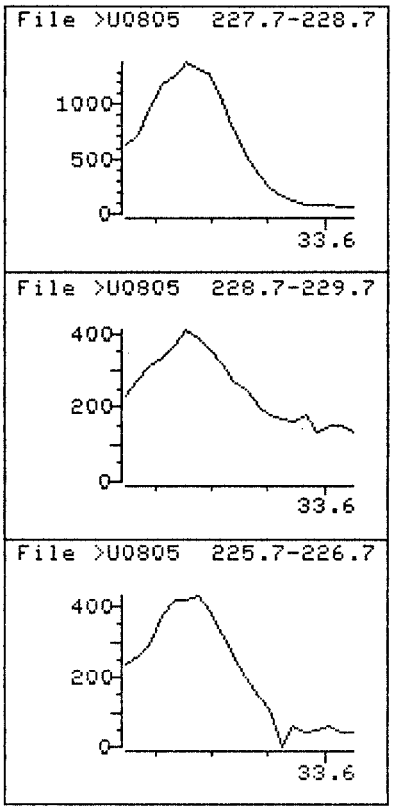


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



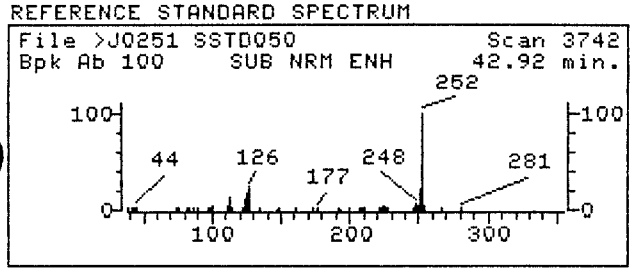


Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

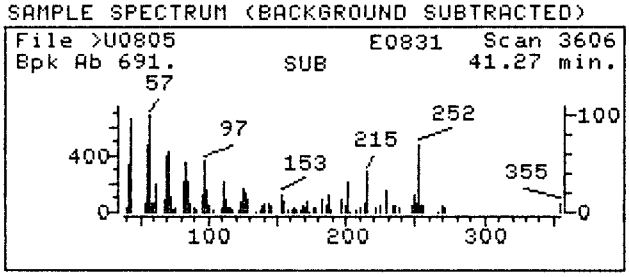
Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2867
Retention Time: 33.48 min.
Quant Ion : 228.0
Area : 7416M
Concentration : 2.37 UG/ML
q-value : 93

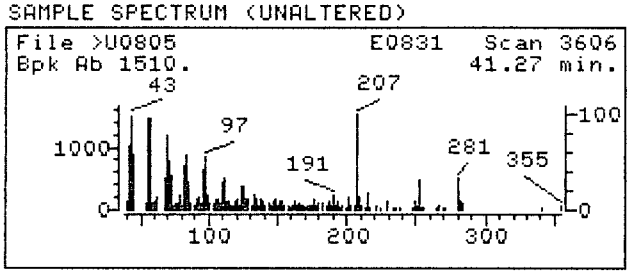
REFERENCE STANDARD SPECTRUM

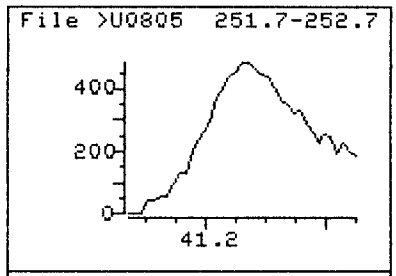


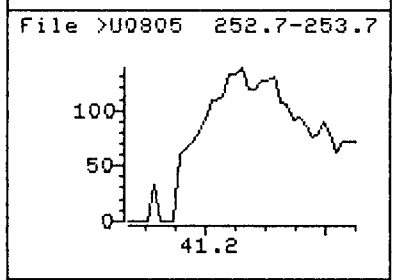
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

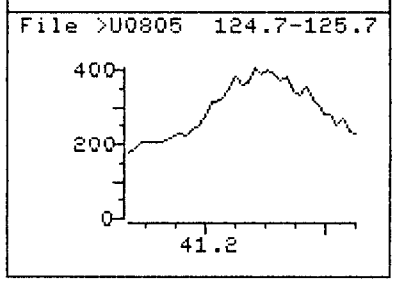


SAMPLE SPECTRUM (UNALTERED)







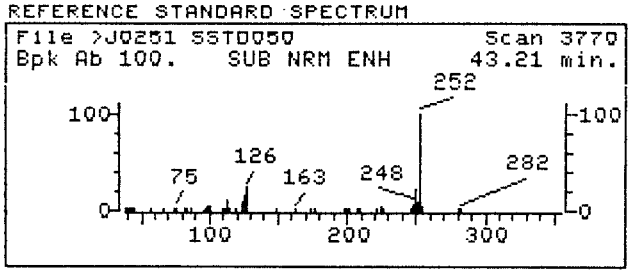


Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

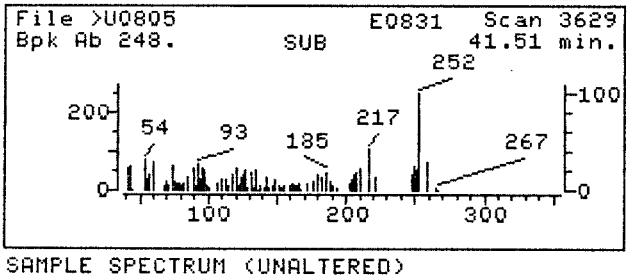
Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3606
Retention Time: 41.27 min.
Quant Ion : 252.0
Area : 5945
Concentration : 4.04 UG/ML
q-value : 43

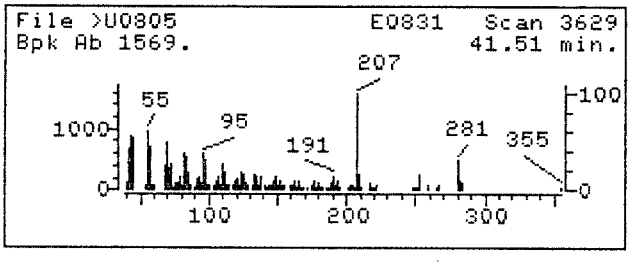
REFERENCE STANDARD SPECTRUM

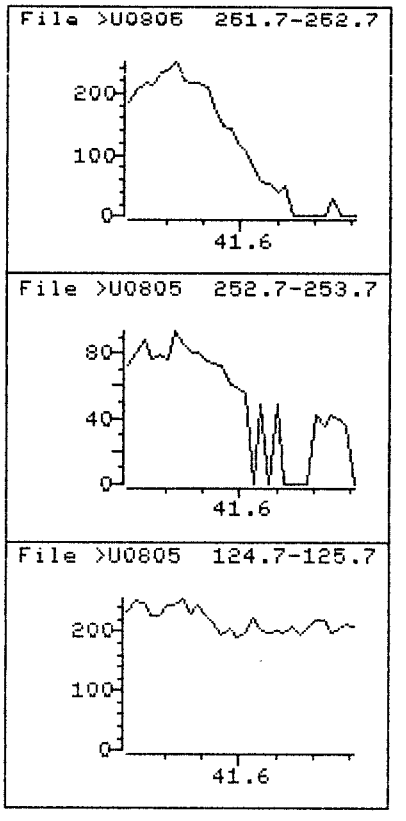


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



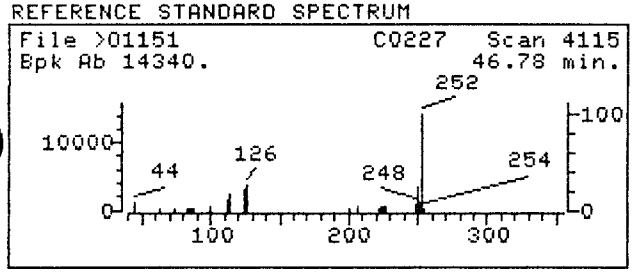


Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

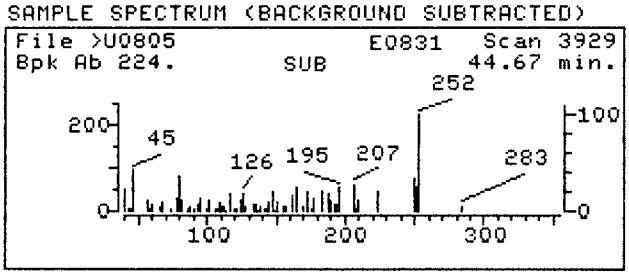
Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3629
Retention Time: 41.51 min.
Quant Ion : 252.0
Area : 2027M
Concentration : 1.36 UG/ML
q-value : 42

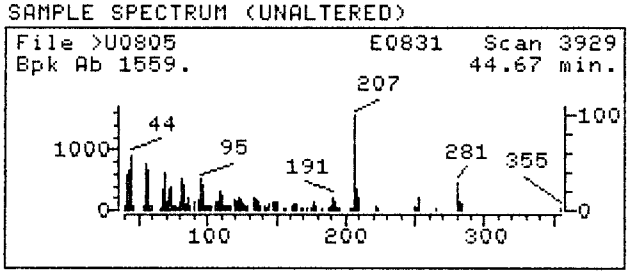
REFERENCE STANDARD SPECTRUM

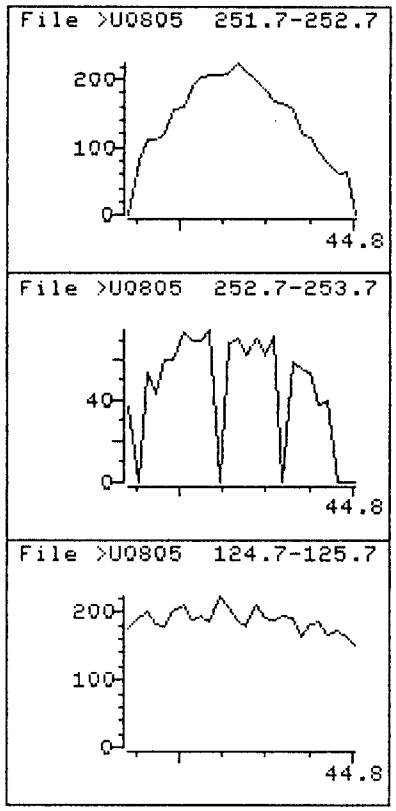


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



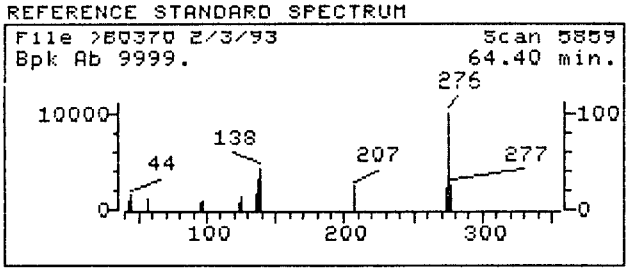


Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

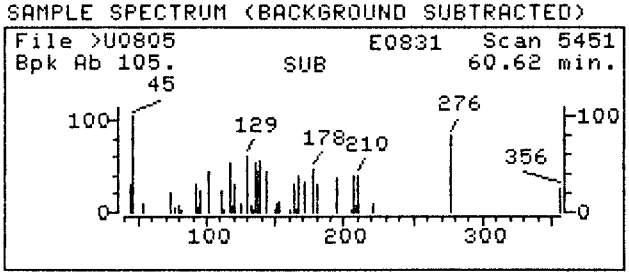
Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3929
Retention Time: 44.67 min.
Quant Ion : 252.0
Area : 2260
Concentration : 1.78 UG/ML
q-value : 21

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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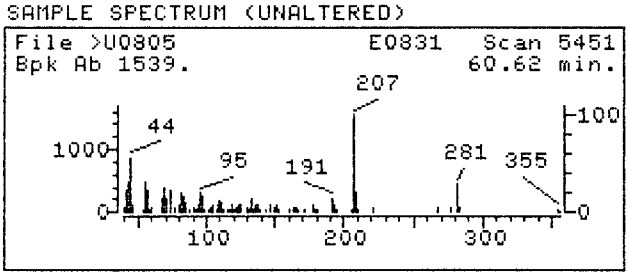
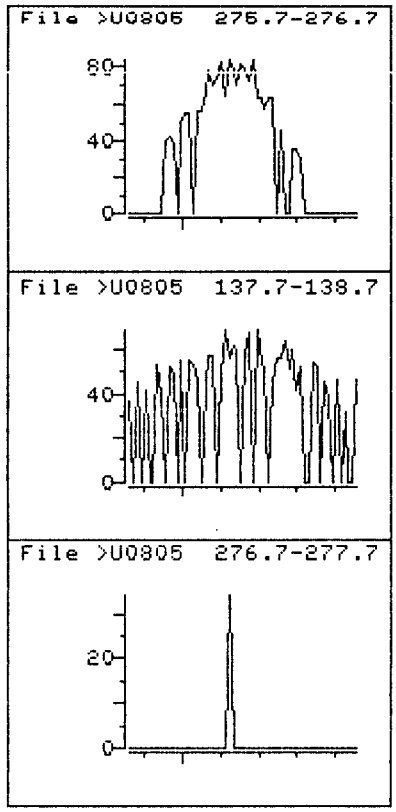




Data File: >U0805
Name: E0831-02
Misc: SL-13 50.300G 1ML
Quant Time: 940908 19:45
Injected at: 940908 18:37
Last Qcal Time: 940908 13:15

Quant Output File: ^U0805::A5
Instrument ID: MACH-2
BTL# 6
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5451
Retention Time: 60.62 min.
Quant Ion : 276.0
Area : 1151M
Concentration : 1.06 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-13RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-13RE

Sample wt/vol: 50.3 (g/mL) G Lab File ID: >U0906

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 23 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	49	
218-01-9	Chrysene	59	
205-99-2	Benzo(b)fluoranthene	104	
207-08-9	Benzo(k)fluoranthene	41	
50-32-8	Benzo(a)pyrene	47	
193-39-5	Indeno(1,2,3-cd)pyrene	39	U
53-70-3	Dibenz(a,h)anthracene	39	U

0540

Operator ID: ANDY
Output File: ^U0906::D1
Data File: >U0906::A2
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML

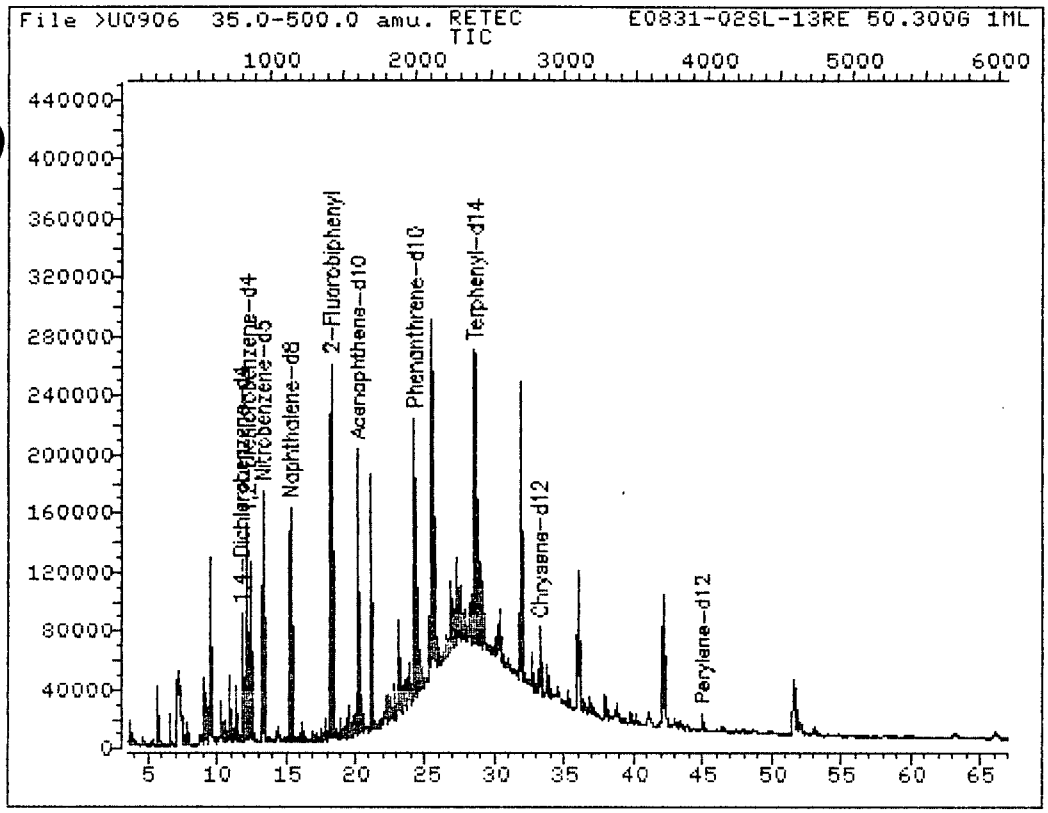
Quant Rev: 7
Quant Time: 940910 00:20
Injected at: 940909 23:12
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 8

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.69	152.0	39772	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.14	152.0	65681	33.64	UG/ML	60
17)	*Naphthalene-d8	15.28	136.0	167665	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.25	82.0	128810	41.27	UG/ML	53
31)	*Acenaphthene-d10	20.13	164.0	116601	20.00	UG/ML	95
36)	2-Fluorobiphenyl	18.20	172.0	217637	34.35	UG/ML	96
51)	*Phenanthrene-d10	24.20	188.0	176440	20.00	UG/ML	98
63)	*Chrysene-d12	33.19	240.0	67322	20.00	UG/ML	95
65)	Terphenyl-d14	28.51	244.0	291685	83.43	UG/ML	82
68)	Benzo(a)anthracene	33.12	228.0	6674	1.89	UG/ML	85
69)	Chrysene	33.33	228.0	6783M	2.30	UG/ML	92
71)	*Perylene-d12	44.94	264.0	21265	20.00	UG/ML	92
73)	Benzo(b)fluoranthene	40.99	252.0	4202M	4.02	UG/ML	38
74)	Benzo(k)fluoranthene	41.25	252.0	1562M	1.57	UG/ML	38
75)	Benzo(a)pyrene	44.36	252.0	1634M	1.83	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

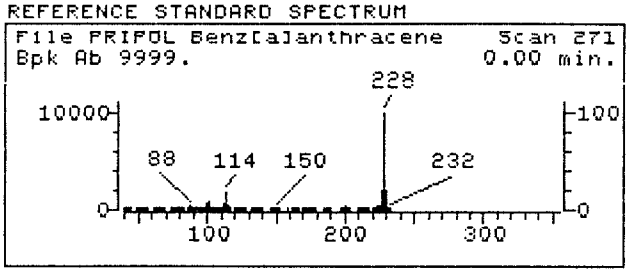


Data File: >U0906 Quant Output File: ^U0906::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-13RE 50.300G 1ML BTL# 8

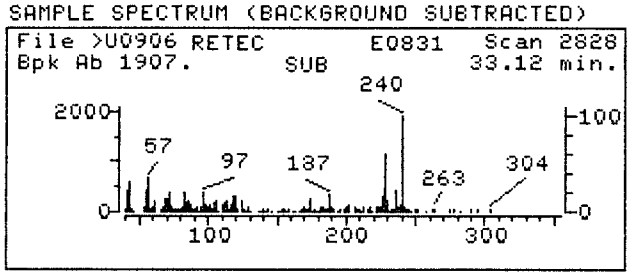
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

Operator ID: ANDY
Quant Time : 940910 00:20
Injected at: 940909 23:12

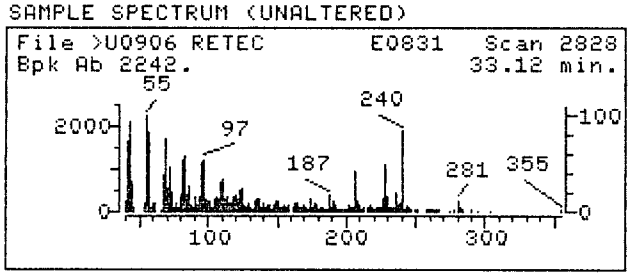
REFERENCE STANDARD SPECTRUM

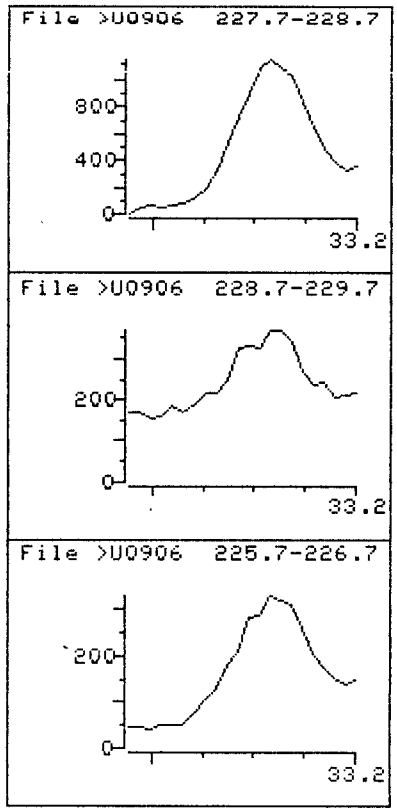


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



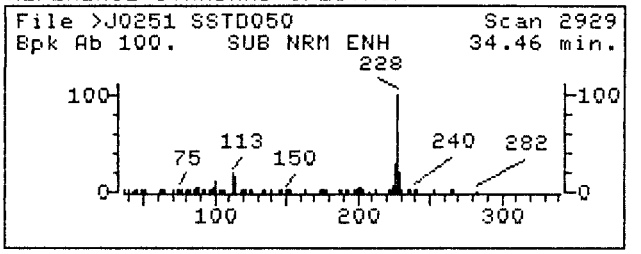


Data File: >U0906
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML
Quant Time: 940910 00:20
Injected at: 940909 23:12
Last Qcal Time: 940909 16:51

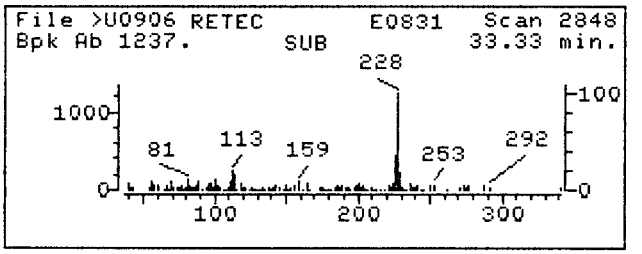
Quant Output File: ^U0906::D1
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2828
Retention Time: 33.12 min.
Quant Ion : 228.0
Area : 6674
Concentration : 1.89 UG/ML
q-value : 85

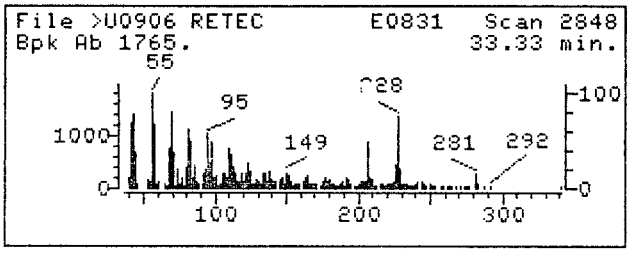
REFERENCE STANDARD SPECTRUM

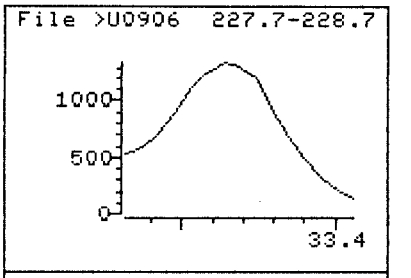


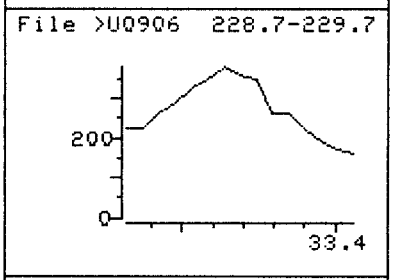
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

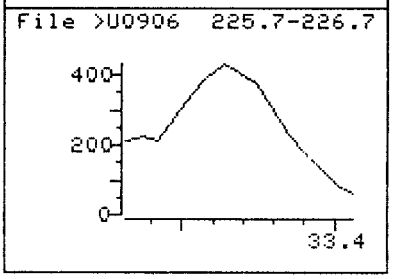


SAMPLE SPECTRUM (UNALTERED)







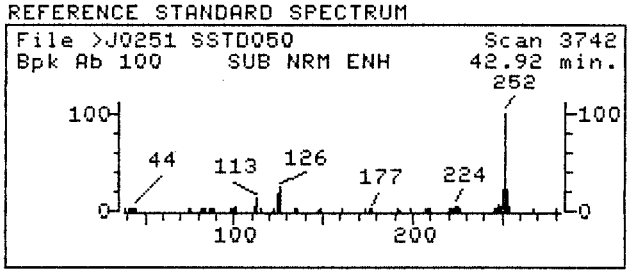


Data File: >U0906
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML
Quant Time: 940910 00:20
Injected at: 940909 23:12
Last Qcal Time: 940909 16:51

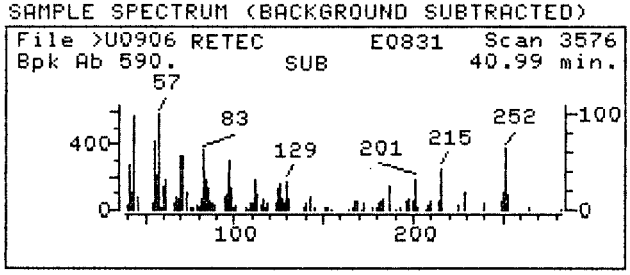
Quant Output File: ^U0906::D1
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2848
Retention Time: 33.33 min.
Quant Ion : 228.0
Area : 6783M
Concentration : 2.30 UG/ML
q-value : 92

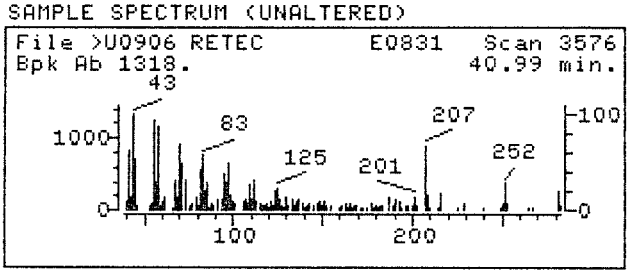
REFERENCE STANDARD SPECTRUM

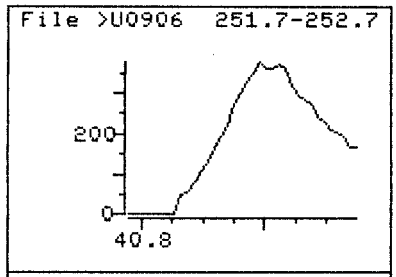


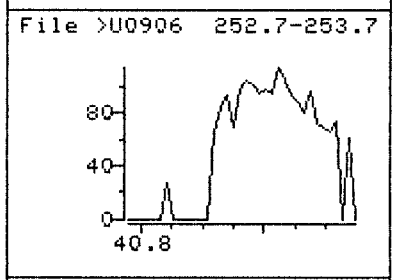
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

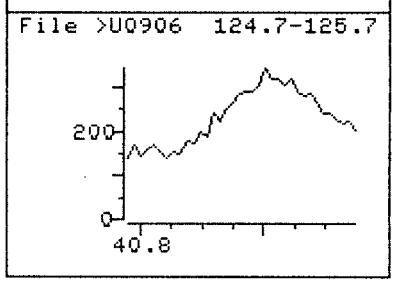


SAMPLE SPECTRUM (UNALTERED)







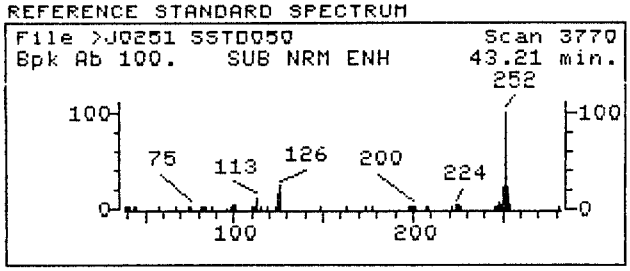


Data File: >U0906
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML
Quant Time: 940910 00:20
Injected at: 940909 23:12
Last Qcal Time: 940909 16:51

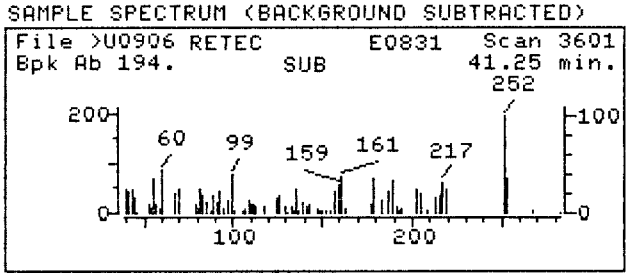
Quant Output File: ^U0906::D1
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3576
Retention Time: 40.99 min.
Quant Ion : 252.0
Area : 4202M
Concentration : 4.02 UG/ML
q-value : 38

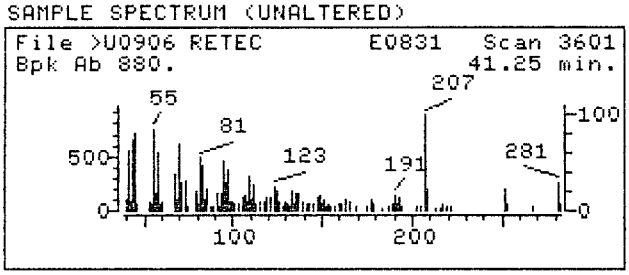
REFERENCE STANDARD SPECTRUM

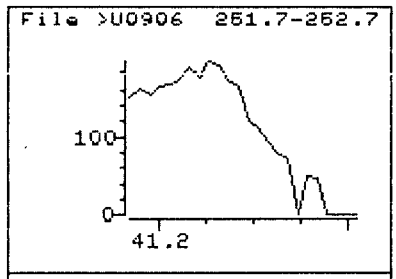


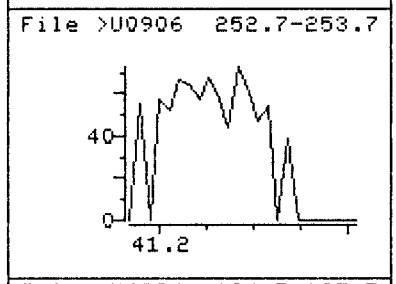
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

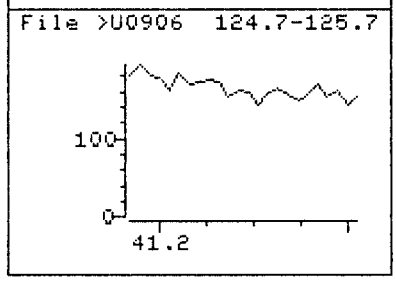


SAMPLE SPECTRUM (UNALTERED)







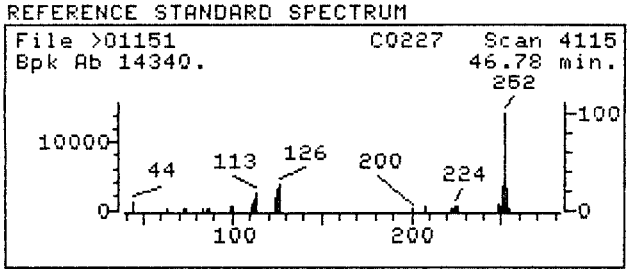


Data File: >U0906
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML
Quant Time: 940910 00:20
Injected at: 940909 23:12
Last Qcal Time: 940909 16:51

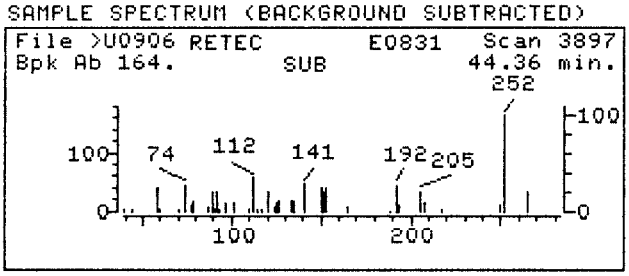
Quant Output File: ^U0906::D1
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3601
Retention Time: 41.25 min.
Quant Ion : 252.0
Area : 1562M
Concentration : 1.57 UG/ML
q-value : 38

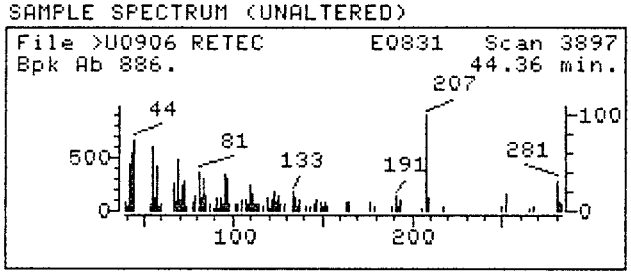
REFERENCE STANDARD SPECTRUM

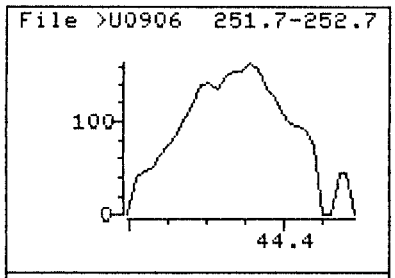


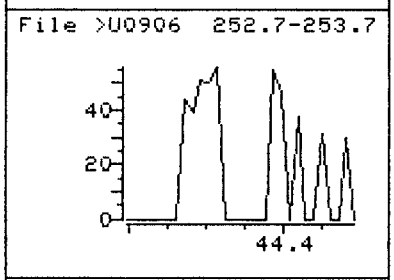
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

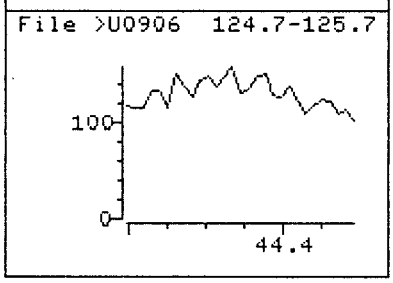


SAMPLE SPECTRUM (UNALTERED)









Data File: >U0906
Name: RETEC E0831-02
Misc: SL-13RE 50.300G 1ML
Quant Time: 940910 00:20
Injected at: 940909 23:12
Last Qcal Time: 940909 16:51

Quant Output File: ^U0906::D1
Instrument ID: MACH-2
BTL# 8
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3897
Retention Time: 44.36 min.
Quant Ion : 252.0
Area : 1634M
Concentration : 1.83 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0806

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	57	
205-99-2	Benzo(b)fluoranthene	110	
7-08-9	Benzo(k)fluoranthene	33	
50-32-8	Benzo(a)pyrene	51	
193-39-5	Indeno(1,2,3-cd)pyrene	26	
53-70-3	Dibenz(a,h)anthracene	37	U

0548

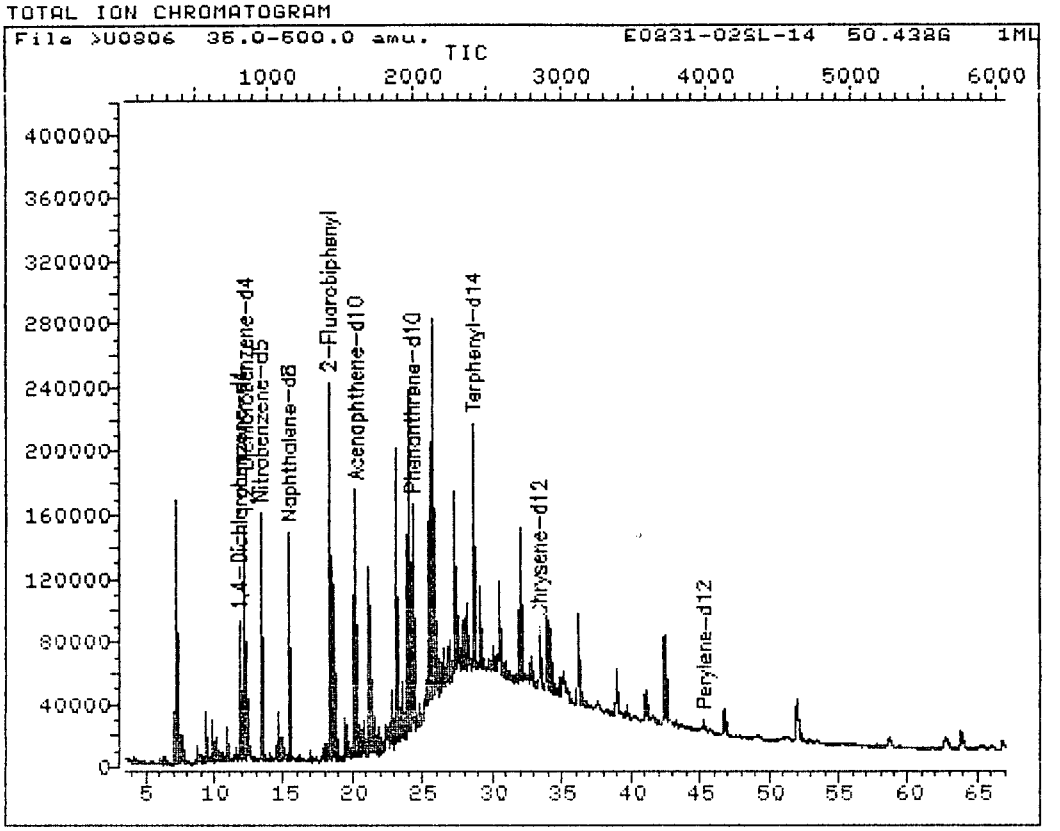
Operator ID: ANDY Quant Rev: 7 Quant Time: 940908 20:58
Output File: ^U0806::A5 Injected at: 940908 19:50
Data File: >U0806::A2 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-14 50.438G 1ML BTL# 7

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.76	152.0	40884	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.20	152.0	68406	35.85	UG/ML	57
17)	*Naphthalene-d8	15.34	136.0	158362	20.00	UG/ML	94
18)	Nitrobenzene-d5	13.30	82.0	125314	43.76	UG/ML	54
31)	*Acenaphthene-d10	20.18	164.0	98526	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.25	172.0	205725	38.92	UG/ML	96
51)	*Phenanthrene-d10	24.26	188.0	137134	20.00	UG/ML	98
63)	*Chrysene-d12	33.32	240.0	52134M	20.00	UG/ML	95
65)	Terphenyl-d14	28.59	244.0	208463	86.16	UG/ML	84
68)	Benzo(a)anthracene	33.26	228.0	5044	1.87	UG/ML	92
69)	Chrysene	33.47	228.0	5269M	2.33	UG/ML	95
71)	*Perylene-d12	45.27	264.0	22356	20.00	UG/ML	94
73)	Benzo(b)fluoranthene	41.26	252.0	4985	4.48	UG/ML	23
74)	Benzo(k)fluoranthene	41.51	252.0	1492M	1.33	UG/ML	22
75)	Benzo(a)pyrene	44.64	252.0	2006M	2.09	UG/ML	
76)	Indeno(1,2,3-cd)pyrene	60.64	276.0	875M	1.06	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

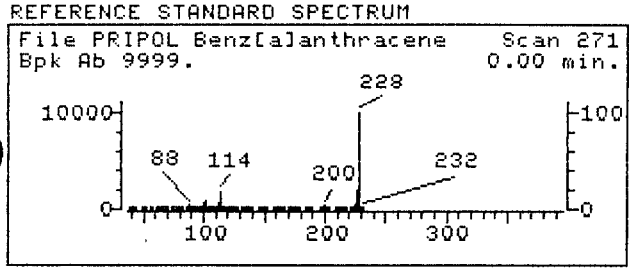


Data File: >U0806 Quant Output File: ^U0806::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-14 50.438G 1ML BTL# 7

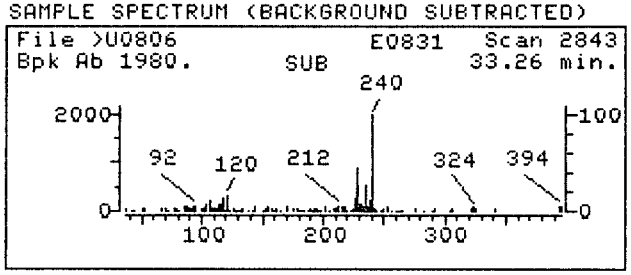
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940908 20:58
Injected at: 940908 19:50

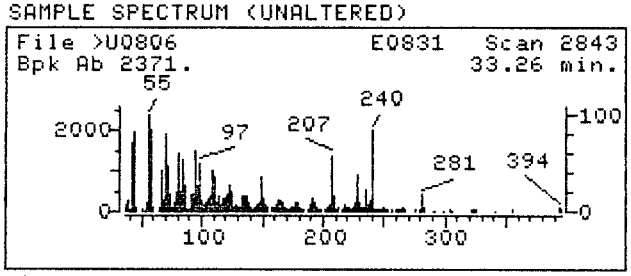
REFERENCE STANDARD SPECTRUM

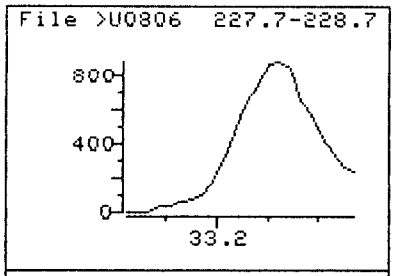


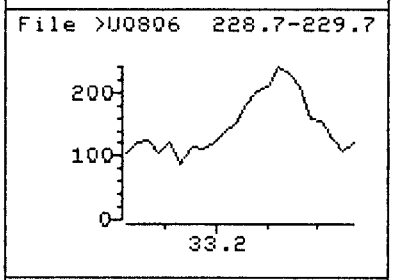
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

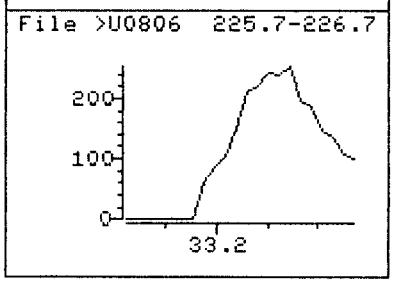


SAMPLE SPECTRUM (UNALTERED)







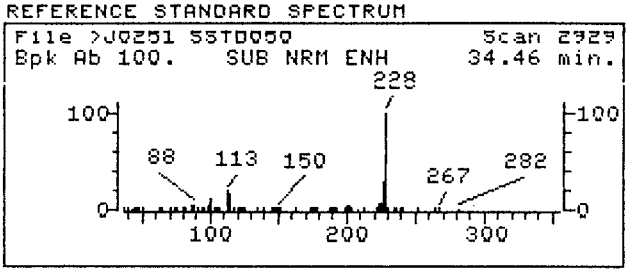


Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

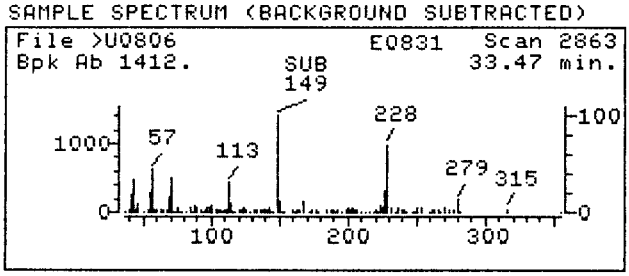
Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2843
Retention Time: 33.26 min.
Quant Ion : 228.0
Area : 5044
Concentration : 1.87 UG/ML
q-value : 92

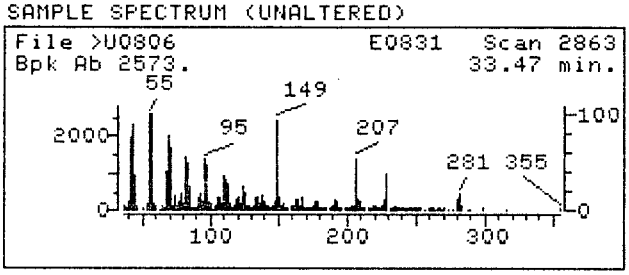
REFERENCE STANDARD SPECTRUM

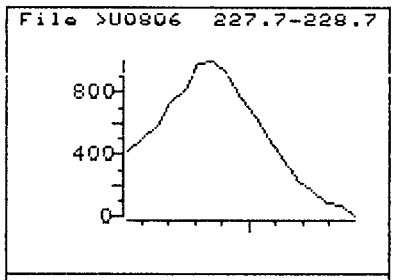


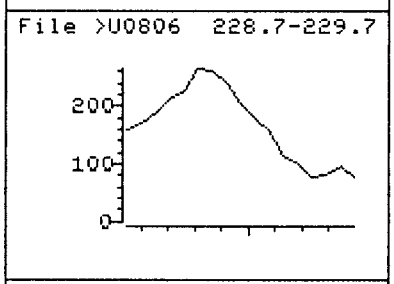
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

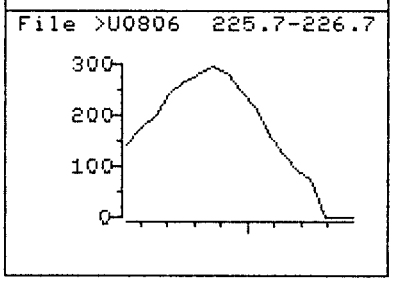


SAMPLE SPECTRUM (UNALTERED)







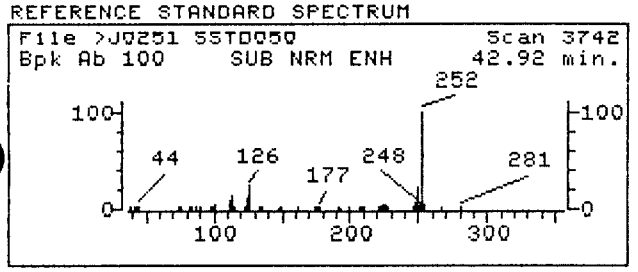


Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

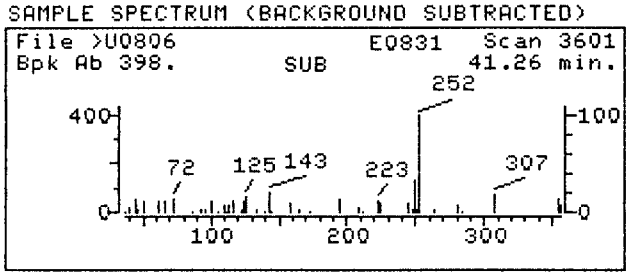
Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2863
Retention Time: 33.47 min.
Quant Ion : 228.0
Area : 5269M
Concentration : 2.33 UG/ML
q-value : 95

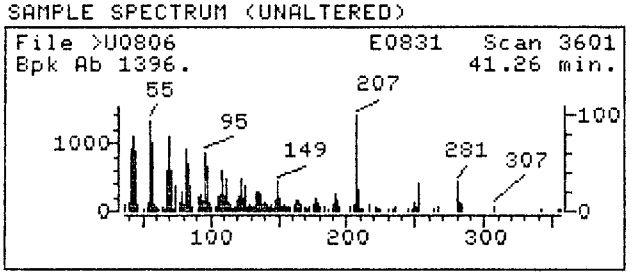
REFERENCE STANDARD SPECTRUM

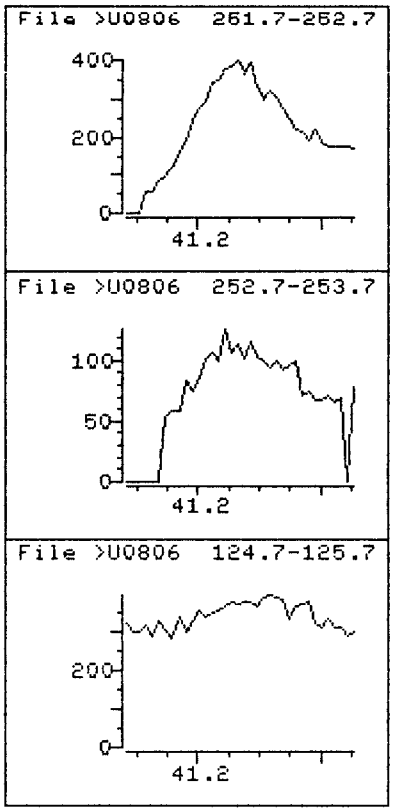


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



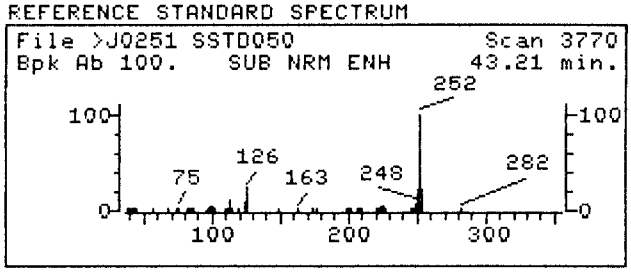


Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

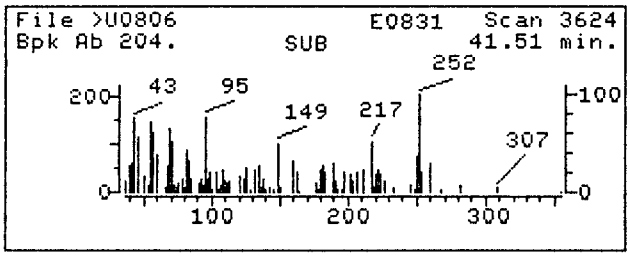
Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3601
Retention Time: 41.26 min.
Quant Ion : 252.0
Area : 4985
Concentration : 4.48 UG/ML
q-value : 23

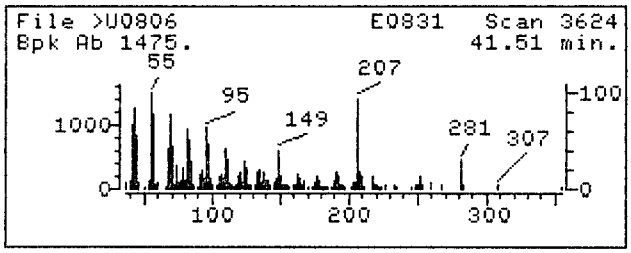
REFERENCE STANDARD SPECTRUM

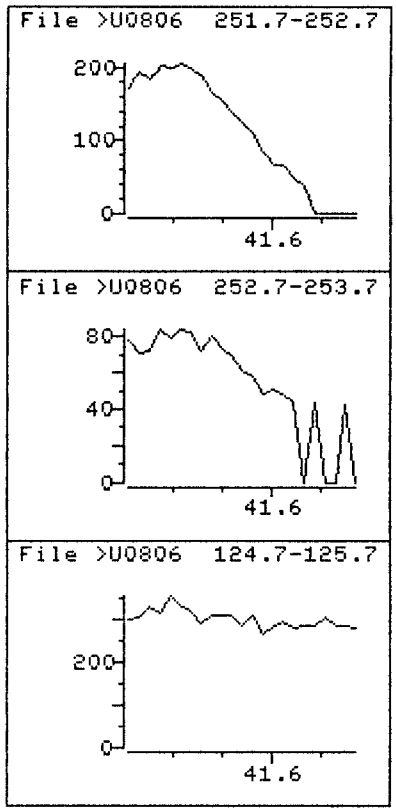


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



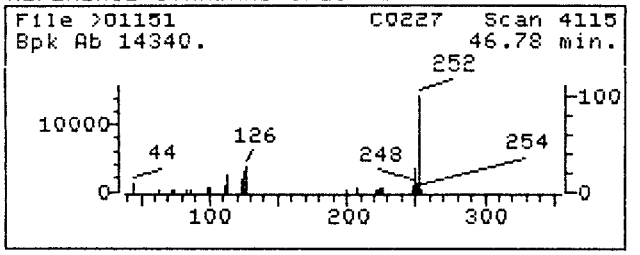


Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

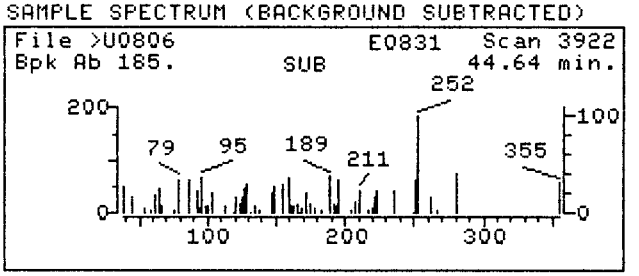
Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3624
Retention Time: 41.51 min.
Quant Ion : 252.0
Area : 1492M
Concentration : 1.33 UG/ML
q-value : 22

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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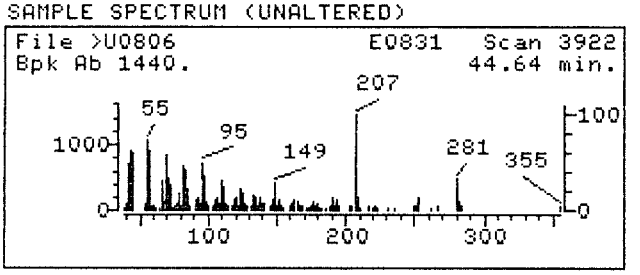
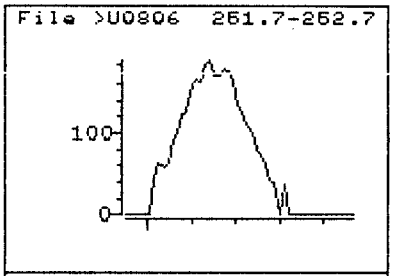
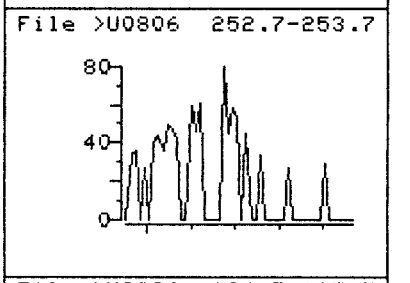
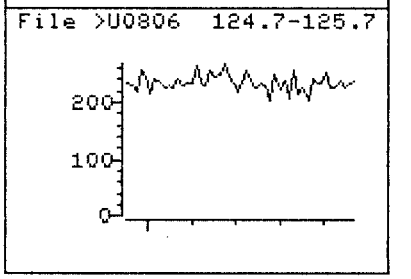






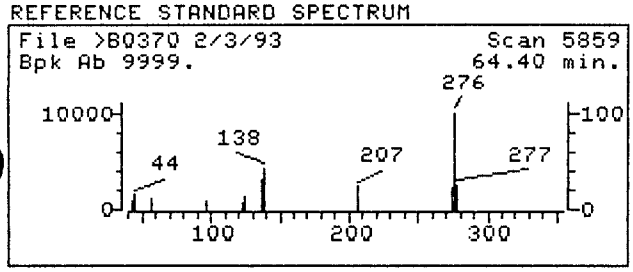


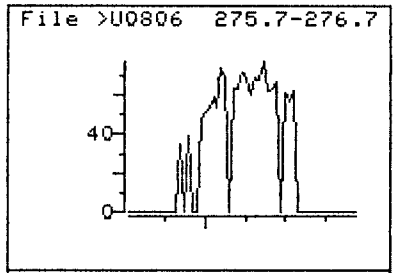
Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

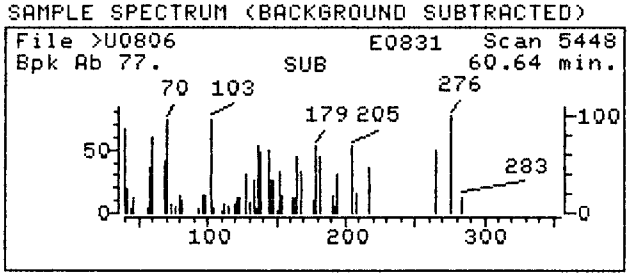
Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3922
Retention Time: 44.64 min.
Quant Ion : 252.0
Area : 2006M
Concentration : 2.09 UG/ML

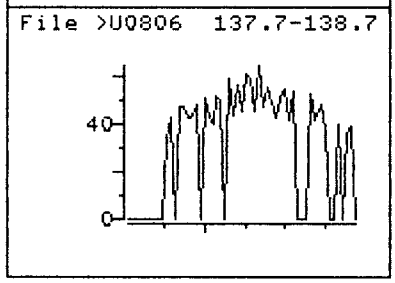
REFERENCE STANDARD SPECTRUM



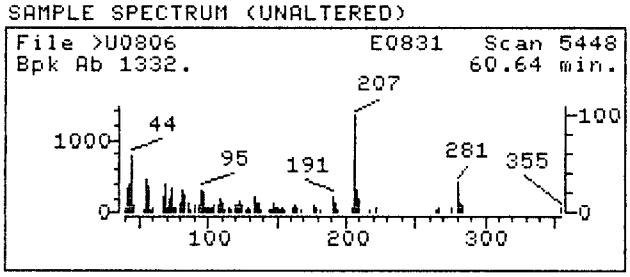


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



Data File: >U0806
Name: E0831-02
Misc: SL-14 50.438G 1ML
Quant Time: 940908 20:58
Injected at: 940908 19:50
Last Qcal Time: 940908 13:15

Quant Output File: ^U0806::A5
Instrument ID: MACH-2
BTL# 7
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5448
Retention Time: 60.64 min.
Quant Ion : 276.0
Area : 875M
Concentration : 1.06 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-14RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-14RE

Sample wt/vol: 50.4 (g/mL) G Lab File ID: >U0907

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 19 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	46	
218-01-9	Chrysene	46	
205-99-2	Benzo(b)fluoranthene	97	
7-08-9	Benzo(k)fluoranthene	45	
50-32-8	Benzo(a)pyrene	41	
193-39-5	Indeno(1,2,3-cd)pyrene	37	U
53-70-3	Dibenz(a,h)anthracene	37	U

0557

Operator ID: ANDY
Output File: ^U0907::D1
Data File: >U0907::A4
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML

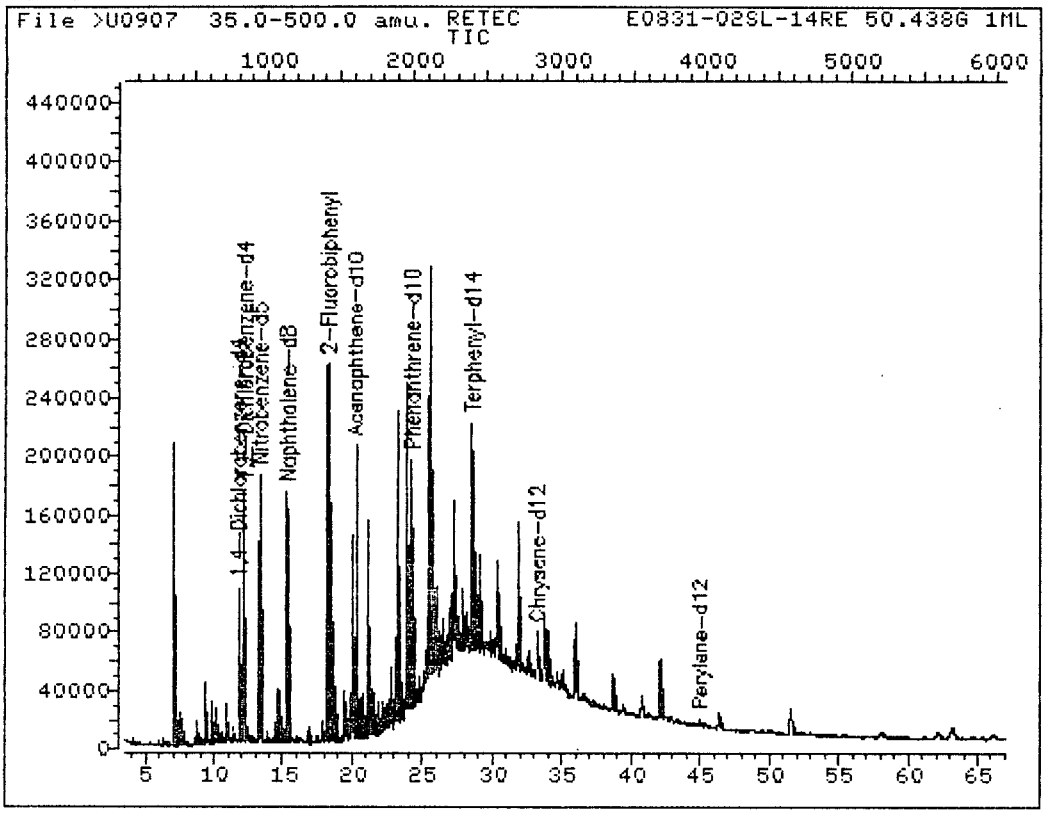
Quant Rev: 7
Quant Time: 940910 01:33
Injected at: 940910 00:25
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL# 9

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.71	152.0	47476	20.00	UG/ML	63
5)	1,2-Dichlorobenzene-d4	12.14	152.0	77312	33.17	UG/ML	56
17)	*Naphthalene-d8	15.28	136.0	185669	20.00	UG/ML	96
18)	Nitrobenzene-d5	13.25	82.0	148633	43.00	UG/ML	55
31)	*Acenaphthene-d10	20.13	164.0	119652	20.00	UG/ML	94
36)	2-Fluorobiphenyl	18.19	172.0	230134	35.40	UG/ML	96
51)	*Phenanthrene-d10	24.20	188.0	162165	20.00	UG/ML	99
63)	*Chrysene-d12	33.18	240.0	37266	20.00	UG/ML	94
65)	Terphenyl-d14	28.51	244.0	201227	103.98	UG/ML	86
68)	Benzo(a)anthracene	33.12	228.0	3628	1.86	UG/ML	90
69)	Chrysene	33.33	228.0	3039	1.86	UG/ML	95
71)	*Perylene-d12	44.95	264.0	14446	20.00	UG/ML	93
73)	Benzo(b)fluoranthene	41.01	252.0	2811M	3.95	UG/ML	
74)	Benzo(k)fluoranthene	41.26	252.0	1236M	1.83	UG/ML	
75)	Benzo(a)pyrene	44.32	252.0	1024M	1.68	UG/ML	

* Compound is ISTD

TOTAL ION CHROMATOGRAM

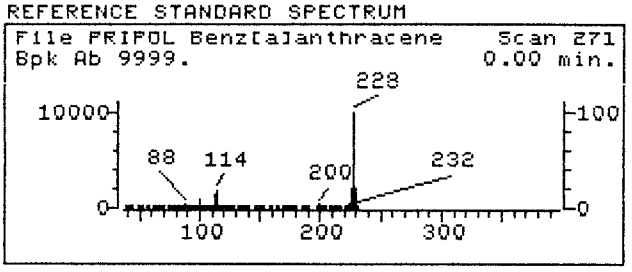


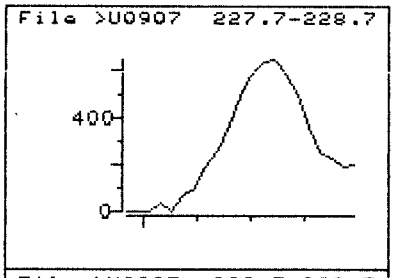
Data File: >U0907 Quant Output File: ^U0907::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-14RE 50.438G 1ML BTL# 9

Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

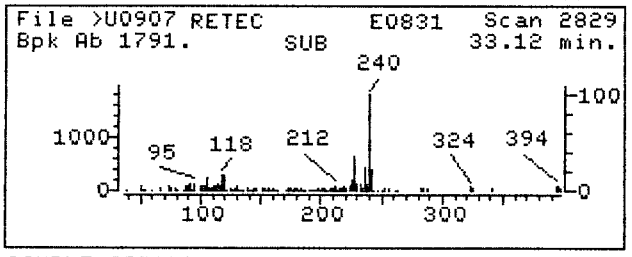
Operator ID: ANDY
Quant Time : 940910 01:33
Injected at: 940910 00:25

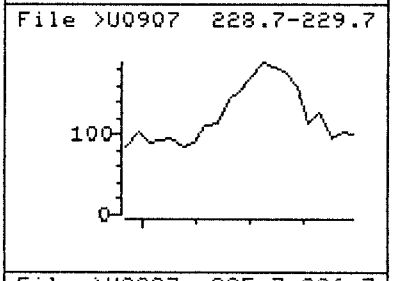
REFERENCE STANDARD SPECTRUM



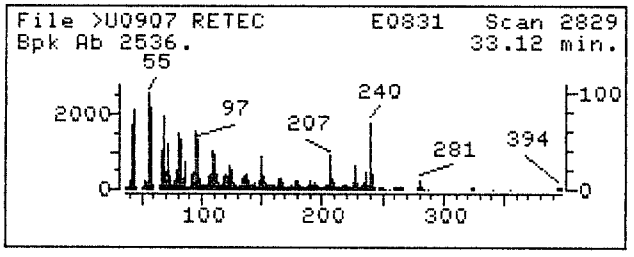


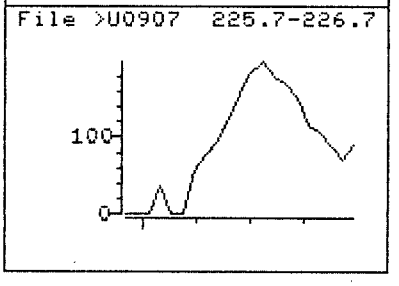
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)





SAMPLE SPECTRUM (UNALTERED)



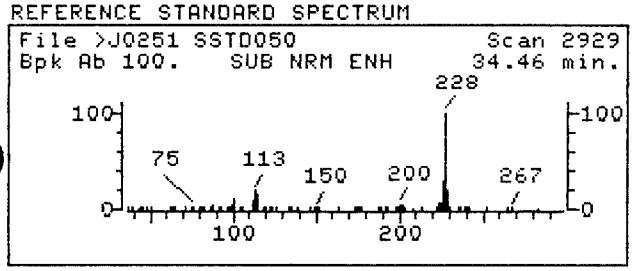


Data File: >U0907
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML
Quant Time: 940910 01:33
Injected at: 940910 00:25
Last Qcal Time: 940909 16:51

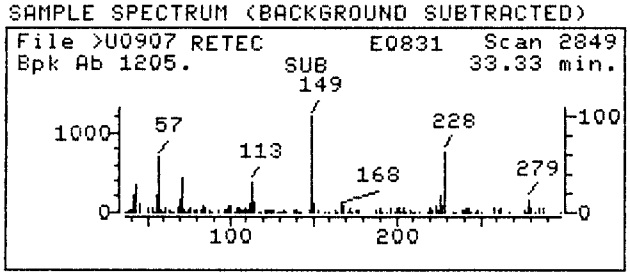
Quant Output File: ^U0907::D1
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2829
Retention Time: 33.12 min.
Quant Ion : 228.0
Area : 3628
Concentration : 1.86 UG/ML
q-value : 90

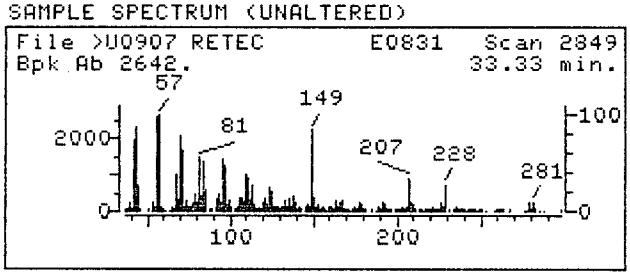
REFERENCE STANDARD SPECTRUM

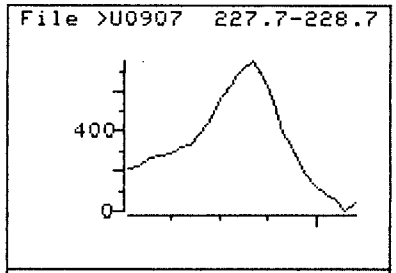


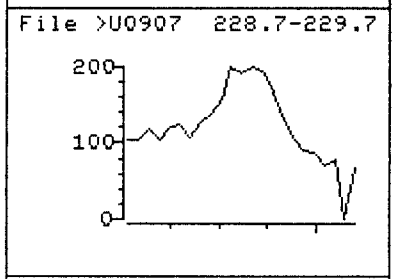
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

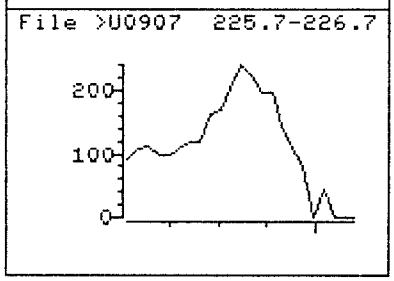


SAMPLE SPECTRUM (UNALTERED)







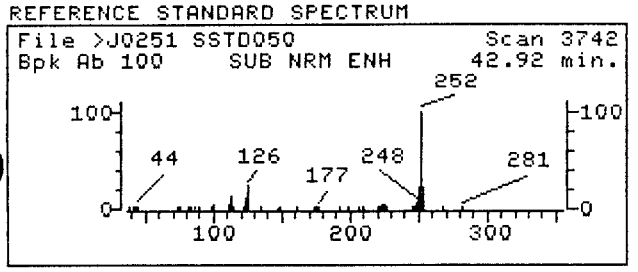


Data File: >U0907
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML
Quant Time: 940910 01:33
Injected at: 940910 00:25
Last Qcal Time: 940909 16:51

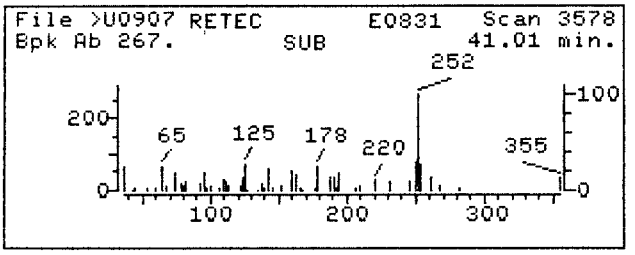
Quant Output File: ^U0907::D1
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2849
Retention Time: 33.33 min.
Quant Ion : 228.0
Area : 3039
Concentration : 1.86 UG/ML
q-value : 95

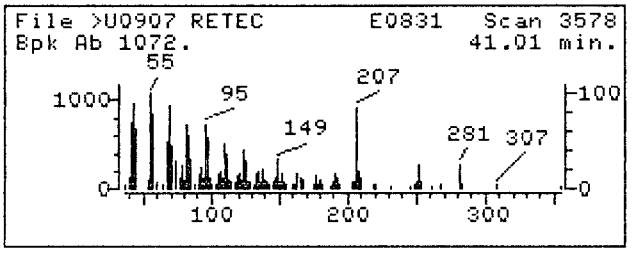
REFERENCE STANDARD SPECTRUM

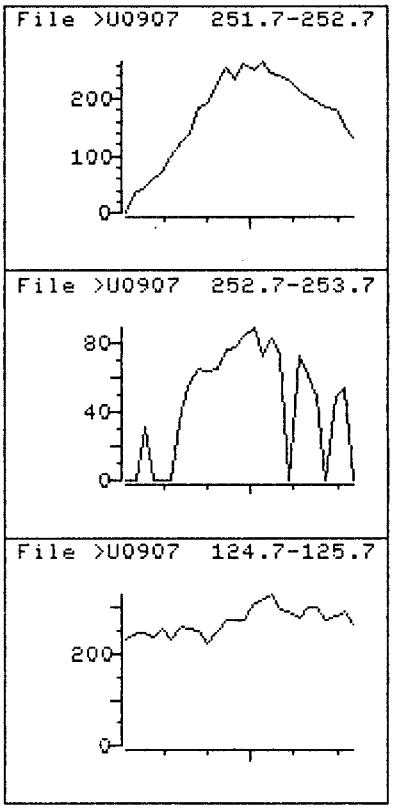


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



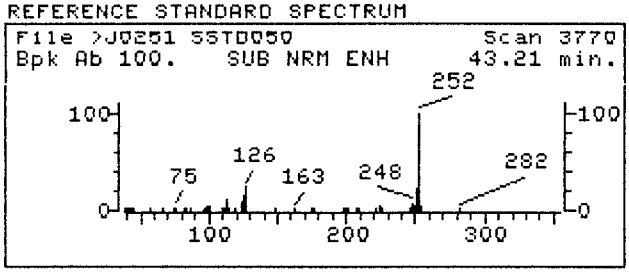


Data File: >U0907
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML
Quant Time: 940910 01:33
Injected at: 940910 00:25
Last Qcal Time: 940909 16:51

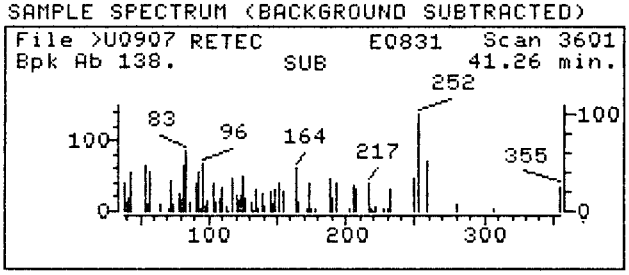
Quant Output File: ^U0907::D1
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3578
Retention Time: 41.01 min.
Quant Ion : 252.0
Area : 2811M
Concentration : 3.95 UG/ML

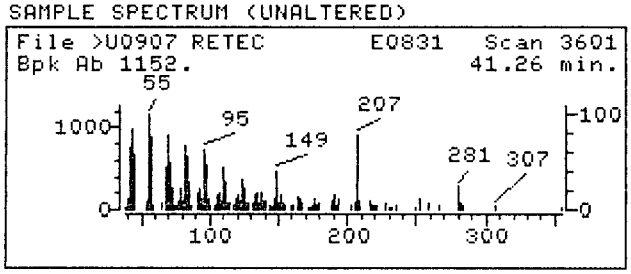
REFERENCE STANDARD SPECTRUM

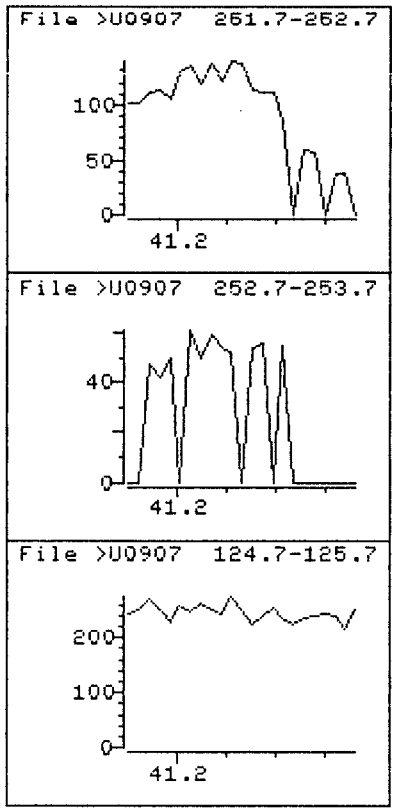


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



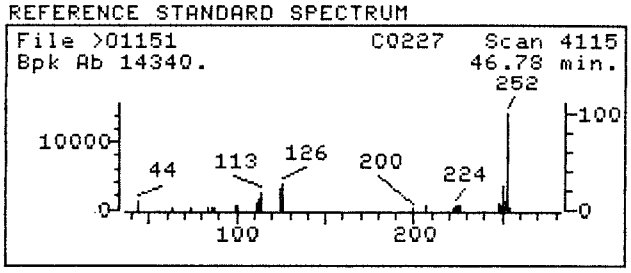


Data File: >U0907
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML
Quant Time: 940910 01:33
Injected at: 940910 00:25
Last Qcal Time: 940909 16:51

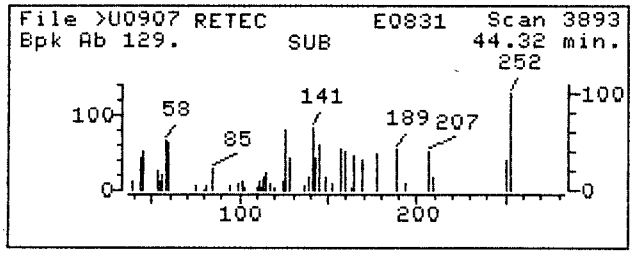
Quant Output File: ^U0907::D1
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3601
Retention Time: 41.26 min.
Quant Ion : 252.0
Area : 1236M
Concentration : 1.83 UG/ML

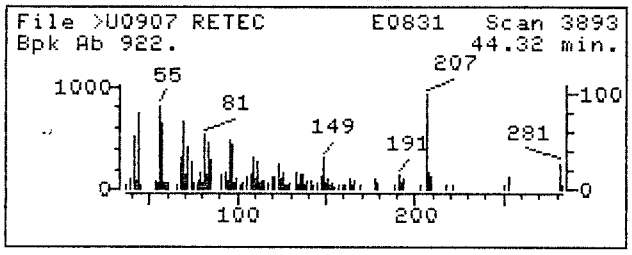
REFERENCE STANDARD SPECTRUM

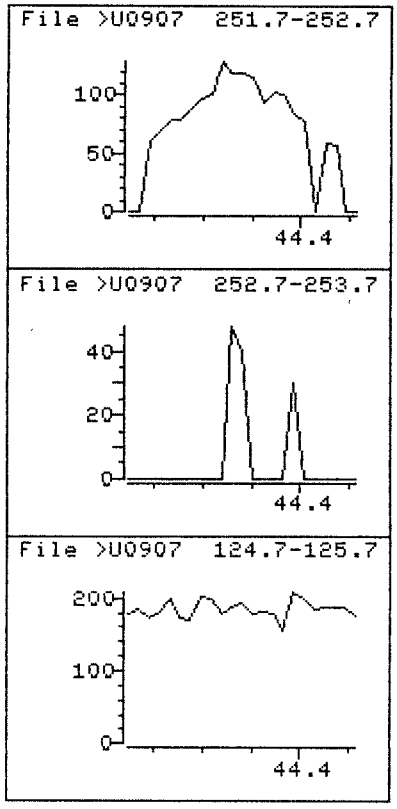


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0907
Name: RETEC E0831-02
Misc: SL-14RE 50.438G 1ML
Quant Time: 940910 01:33
Injected at: 940910 00:25
Last Qcal Time: 940909 16:51

Quant Output File: ^U0907::D1
Instrument ID: MACH-2
BTL# 9
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3893
Retention Time: 44.32 min.
Quant Ion : 252.0
Area : 1024M
Concentration : 1.68 UG/ML

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0802

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 9 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	33	U
218-01-9	Chrysene	124	
205-99-2	Benzo(b)fluoranthene	33	U
207-08-9	Benzo(k)fluoranthene	33	U
[illegible]-32-8	Benzo(a)pyrene	33	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	U
53-70-3	Dibenz(a,h)anthracene	33	U

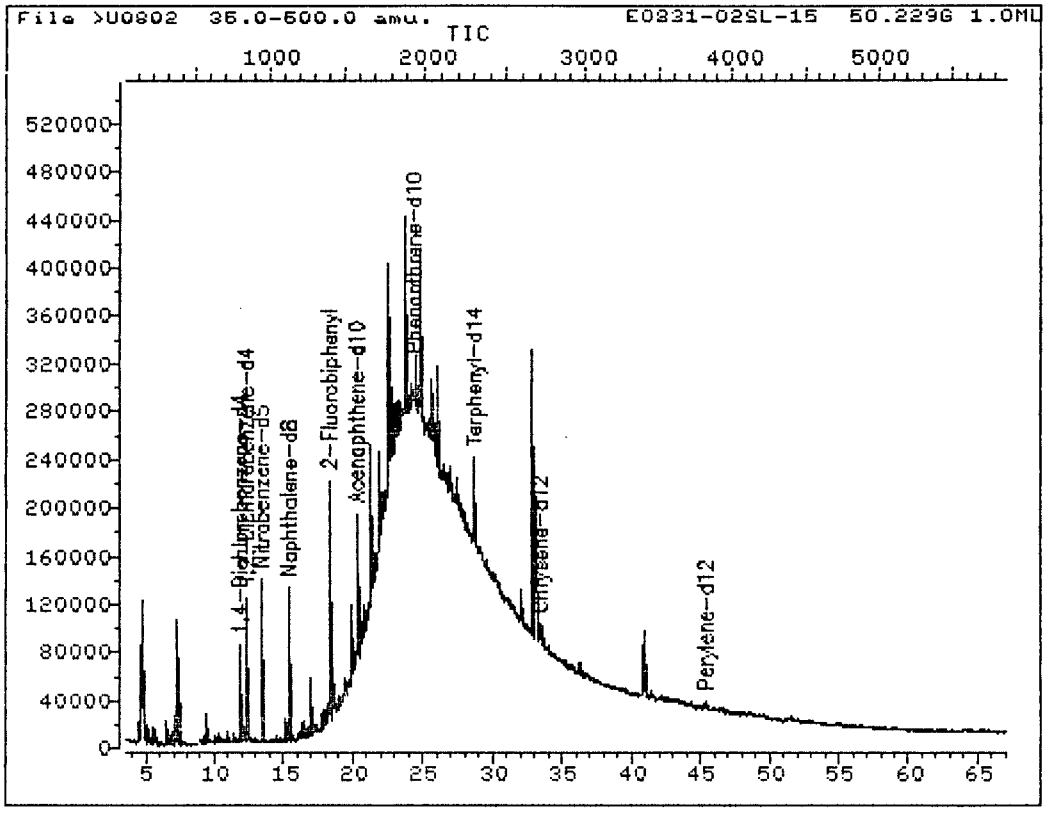
Operator ID: ANDY Quant Rev: 7 Quant Time: 940908 17:34
Output File: ^U0802::A5 Injected at: 940908 14:58
Data File: >U0802::A1 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-15 50.229G 1.0ML BTL# 3

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.77	152.0	39434	20.00	UG/ML	70
5)	1,2-Dichlorobenzene-d4	12.21	152.0	58753	31.92	UG/ML	55
17)	*Naphthalene-d8	15.34	136.0	148361	20.00	UG/ML	94
18)	Nitrobenzene-d5	13.31	82.0	103738	38.67	UG/ML	53
31)	*Acenaphthene-d10	20.19	164.0	73572	20.00	UG/ML	97
36)	2-Fluorobiphenyl	18.26	172.0	177703	45.02	UG/ML	95
51)	*Phenanthrene-d10	24.28	188.0	65683	20.00	UG/ML	93
63)	*Chrysene-d12	33.35	240.0	36066	20.00	UG/ML	92
65)	Terphenyl-d14	28.60	244.0	112454	67.18	UG/ML	83
69)	Chrysene	33.42	228.0	8855	5.67	UG/ML	78
71)	*Perylene-d12	45.34	264.0	21346	20.00	UG/ML	92

* Compound is ISTD

TOTAL ION CHROMATOGRAM

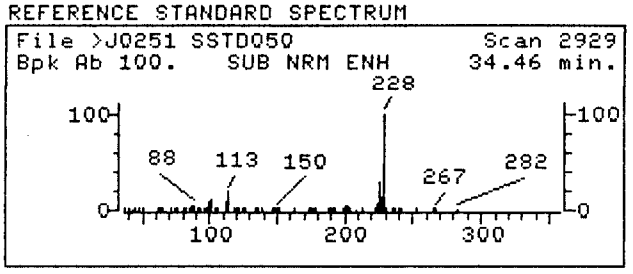


Data File: >U0802 Quant Output File: ^U0802::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-15 50.229G 1.0ML BTL# 3

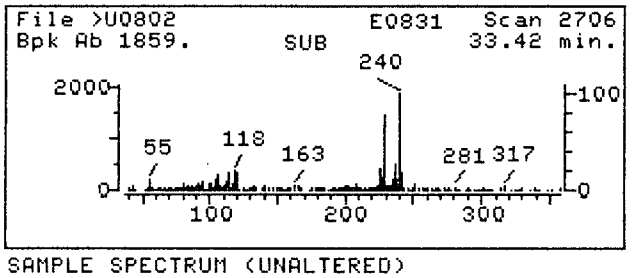
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940908 17:34
Injected at: 940908 14:58

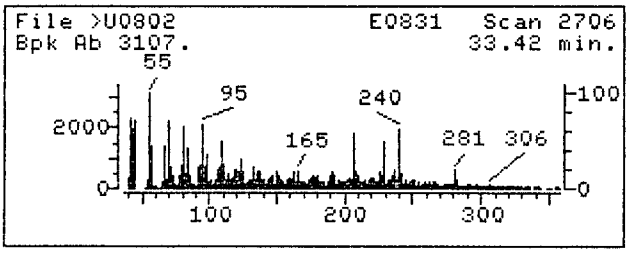
REFERENCE STANDARD SPECTRUM

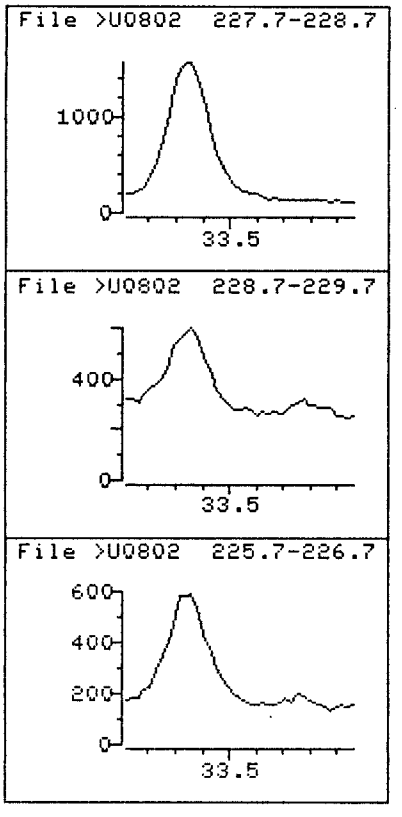


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0802
Name: E0831-02
Misc: SL-15 50.229G 1.0ML
Quant Time: 940908 17:34
Injected at: 940908 14:58
Last Qcal Time: 940908 13:15

Quant Output File: ^U0802::A5
Instrument ID: MACH-2
BTL# 3
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2706
Retention Time: 33.42 min.
Quant Ion : 228.0
Area : 8855
Concentration : 5.67 UG/ML
q-value : 78

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-15RE

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-15RE

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0908

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 9 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/09/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	33	U
218-01-9	Chrysene	136	
205-99-2	Benzo(b)fluoranthene	33	U
7-08-9	Benzo(k)fluoranthene	33	U
50-32-8	Benzo(a)pyrene	33	U
193-39-5	Indeno(1,2,3-cd)pyrene	33	U
53-70-3	Dibenz(a,h)anthracene	33	U

Operator ID: ANDY
Output File: ^U0908::D1
Data File: >U0908::A4
Name: RETEC E0831-02
Misc: SL-15RE 50.226G 1ML

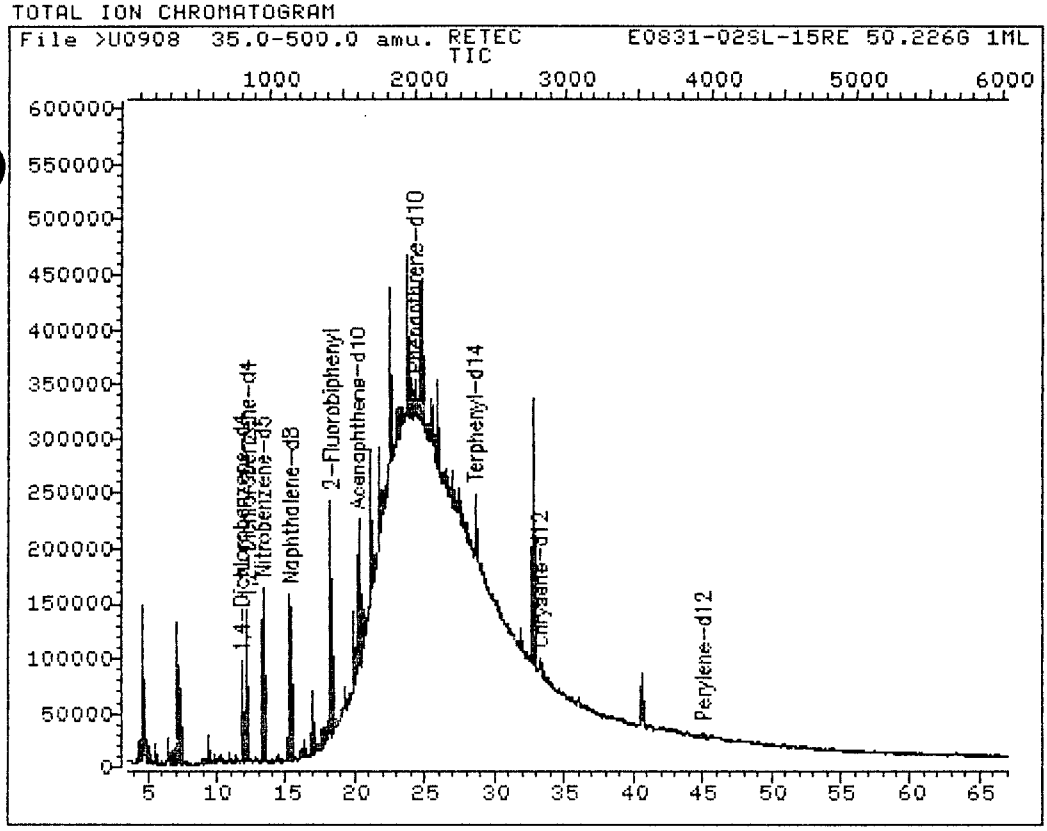
Quant Rev: 7
Quant Time: 940910 02:46
Injected at: 940910 01:38
Dilution Factor: 1.00000
Instrument ID: MACH-2
BTL#10

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07
Last Qcal Time: 940909 16:51

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.70	152.0	42190	20.00	UG/ML	65
5)	1,2-Dichlorobenzene-d4	12.14	152.0	63078	30.45	UG/ML	57
17)	*Naphthalene-d8	15.28	136.0	164903	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.25	82.0	119830	39.03	UG/ML	59
31)	*Acenaphthene-d10	20.12	164.0	95991	20.00	UG/ML	96
36)	2-Fluorobiphenyl	18.20	172.0	196637	37.70	UG/ML	95
51)	*Phenanthrene-d10	24.22	188.0	61020	20.00	UG/ML	91
63)	*Chrysene-d12	33.20	240.0	23920	20.00	UG/ML	89
65)	Terphenyl-d14	28.52	244.0	96629	77.79	UG/ML	87
69)	Chrysene	33.26	228.0	6504	6.20	UG/ML	78
71)	*Perylene-d12	45.00	264.0	15539	20.00	UG/ML	94

* Compound is ISTD

TOTAL ION CHROMATOGRAM

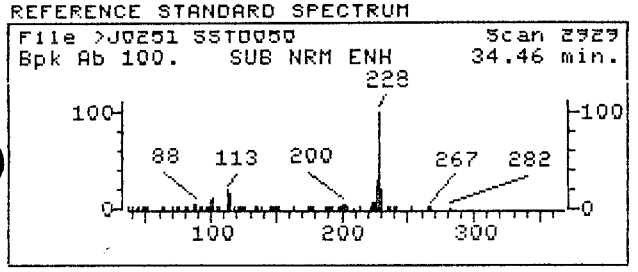


Data File: >U0908 Quant Output File: ^U0908::D1
Name: RETEC E0831-02 Instrument ID: MACH-2
Misc: SL-15RE 50.226G 1ML BTL#10

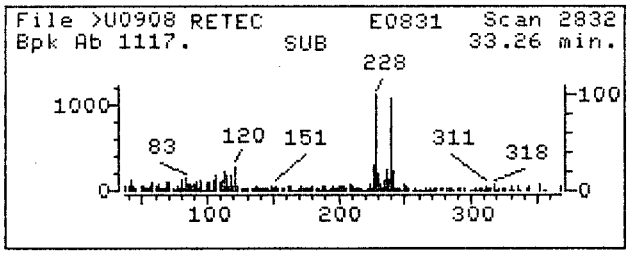
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940909 16:51

Operator ID: ANDY
Quant Time : 940910 02:46
Injected at: 940910 01:38

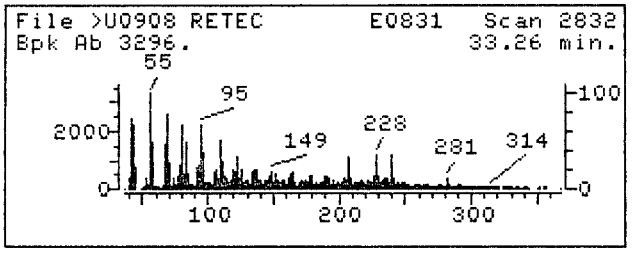
REFERENCE STANDARD SPECTRUM

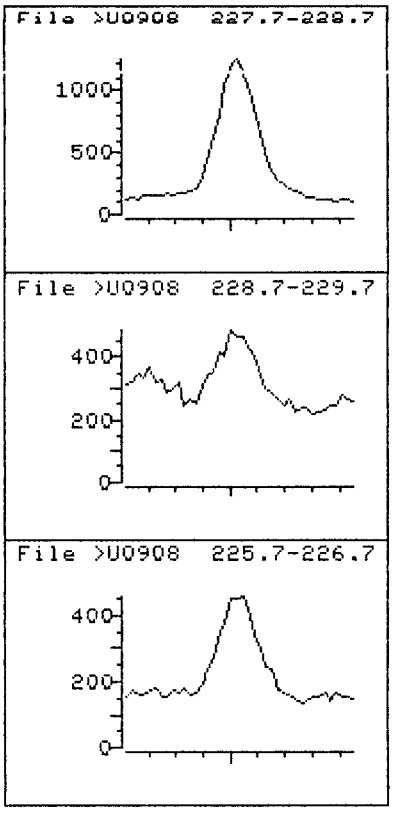


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)





Data File: >U0908
Name: RETEC E0831-02
Misc: SL-15RE 50.226G 1ML
Quant Time: 940910 02:46
Injected at: 940910 01:38
Last Qcal Time: 940909 16:51

Quant Output File: ^U0908::D1
Instrument ID: MACH-2
BTL#10
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2832
Retention Time: 33.26 min.
Quant Ion : 228.0
Area : 6504
Concentration : 6.20 UG/ML
q-value : 78

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SL-25

Lab Name: New England Testing Lab Contract: G+H RD/RA

Lab Code: RI010 Case No.: SAS No.: SDG No.: NETL18-1

Matrix: (soil/water) SOIL Lab Sample ID: SL-25

Sample wt/vol: 50.2 (g/mL) G Lab File ID: >U0803

Level: (low/med) LOW Date Received: 08/31/94

% Moisture: 15 decanted:(Y/N) N Date Extracted: 09/01/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 09/08/94

Injection Volume: 2 (uL) Dilution Factor: 1X

GPC Cleanup: (Y/N) N pH: 5.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
56-55-3	Benzo(a)anthracene	117	
218-01-9	Chrysene	533	
205-99-2	Benzo(b)fluoranthene	473	
207-08-9	Benzo(k)fluoranthene	182	
50-32-8	Benzo(a)pyrene	234	
193-39-5	Indeno(1,2,3-cd)pyrene	154	
53-70-3	Dibenz(a,h)anthracene	35	U

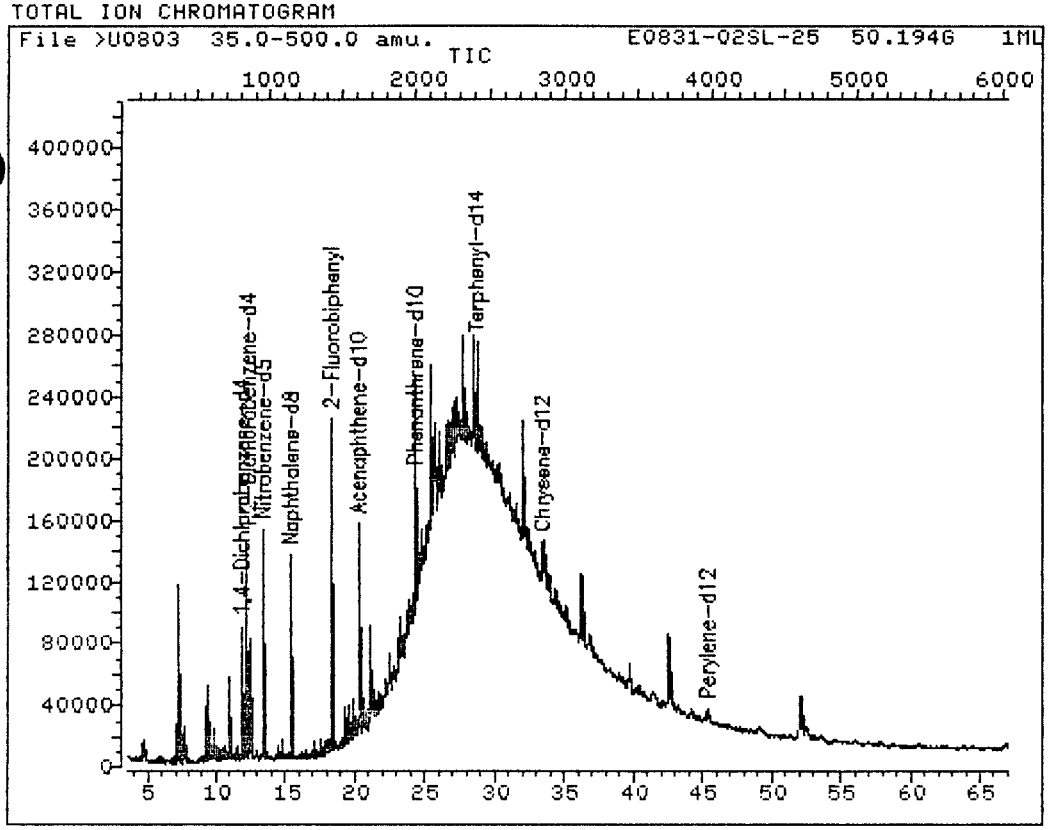
Operator ID: ANDY Quant Rev: 7 Quant Time: 940908 17:39
Output File: ^U0803::A5 Injected at: 940908 16:10
Data File: >U0803::A1 Dilution Factor: 1.00000
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-25 50.194G 1ML BTL# 4

ID File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

	Compound	R.T.	Q ion	Area	Conc	Units	q
1)	*1,4-Dichlorobenzene-d4	11.76	152.0	39631	20.00	UG/ML	66
5)	1,2-Dichlorobenzene-d4	12.21	152.0	65507	35.42	UG/ML	58
17)	*Naphthalene-d8	15.33	136.0	147120	20.00	UG/ML	95
18)	Nitrobenzene-d5	13.30	82.0	115014	43.24	UG/ML	57
31)	*Acenaphthene-d10	20.19	164.0	84103	20.00	UG/ML	94
36)	2-Fluorobiphenyl	18.25	172.0	181835	40.30	UG/ML	96
51)	*Phenanthrene-d10	24.26	188.0	93139	20.00	UG/ML	99
63)	*Chrysene-d12	33.36	240.0	46183	20.00	UG/ML	94
65)	Terphenyl-d14	28.61	244.0	133498	62.28	UG/ML	82
68)	Benzo(a)anthracene	33.30	228.0	11886	4.99	UG/ML	83
69)	Chrysene	33.52	228.0	45489M	22.73	UG/ML	98
71)	*Perylene-d12	45.33	264.0	23999	20.00	UG/ML	92
73)	Benzo(b)fluoranthene	41.32	252.0	24140M	20.20	UG/ML	80
74)	Benzo(k)fluoranthene	41.54	252.0	9365M	7.75	UG/ML	80
75)	Benzo(a)pyrene	44.69	252.0	10291	9.98	UG/ML	70
76)	Indeno(1,2,3-cd)pyrene	60.64	276.0	5793	6.57	UG/ML	72

* Compound is ISTD

TOTAL ION CHROMATOGRAM

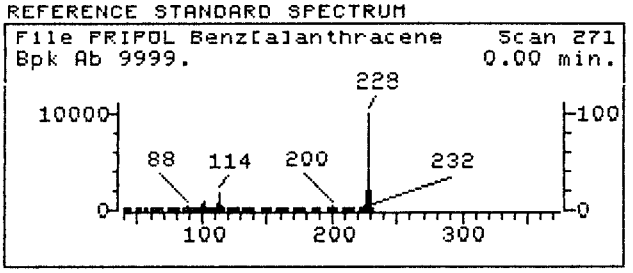


Data File: >U0803 Quant Output File: ^U0803::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-25 50.194G 1ML BTL# 4

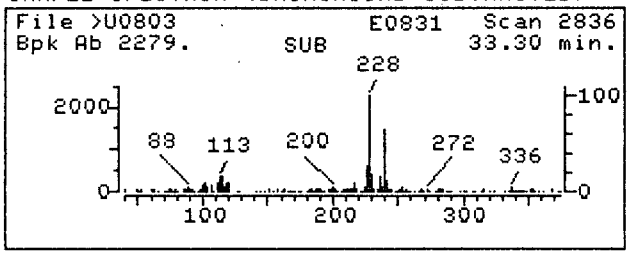
Id File: CLPSEM::SC
Title: CLP SEMIVOLATILES
Last Calibration: 930806 16:07 Last Qcal Time: 940908 13:15

Operator ID: ANDY
Quant Time : 940908 17:39
Injected at: 940908 16:10

REFERENCE STANDARD SPECTRUM



SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



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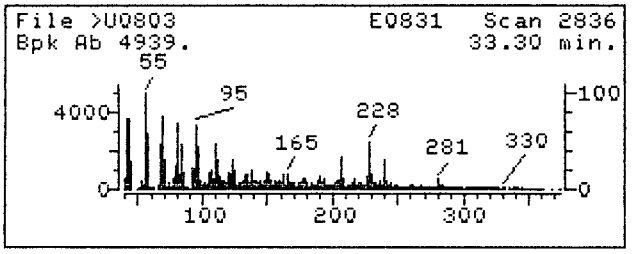
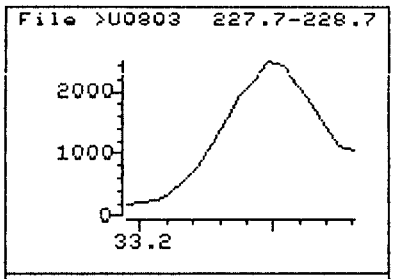
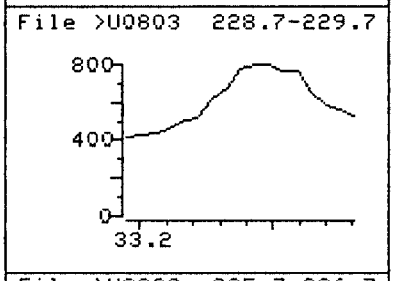
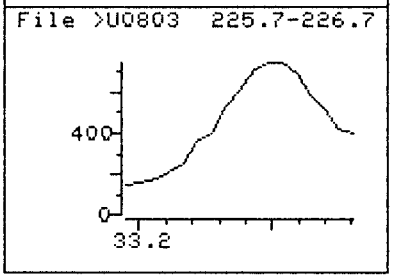




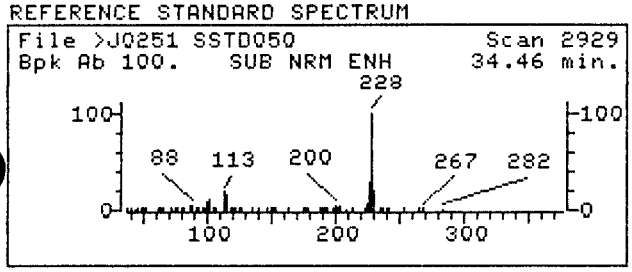




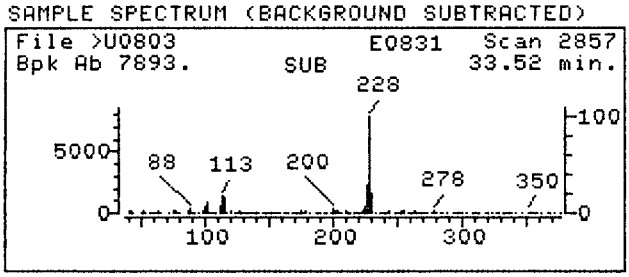
Data File: >U0803 Quant Output File: ^U0803::A5
Name: E0831-02 Instrument ID: MACH-2
Misc: SL-25 50.194G 1ML BTL# 4
Quant Time: 940908 17:39 Quant ID File: CLPSEM::SC
Injected at: 940908 16:10 Last Calibration: 930806 16:07
Last Qcal Time: 940908 13:15

Compound No : 68
Compound Name : Benzo(a)anthracene
Scan Number : 2836
Retention Time: 33.30 min.
Quant Ion : 228.0
Area : 11886
Concentration : 4.99 UG/ML
q-value : 83

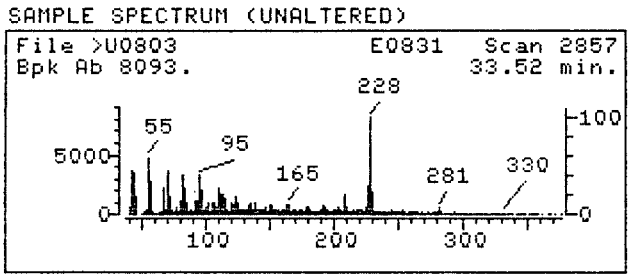
REFERENCE STANDARD SPECTRUM

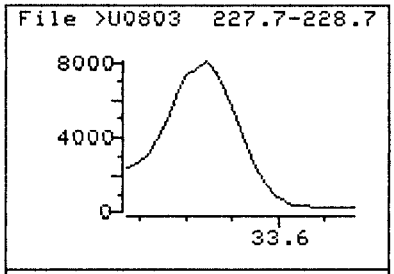


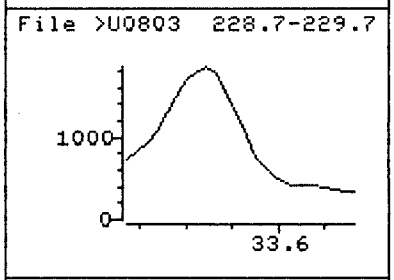
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

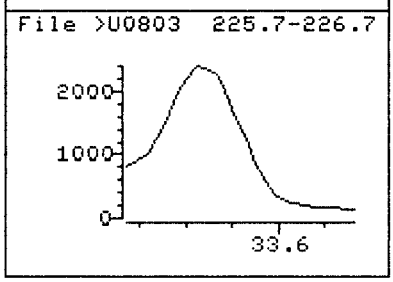


SAMPLE SPECTRUM (UNALTERED)







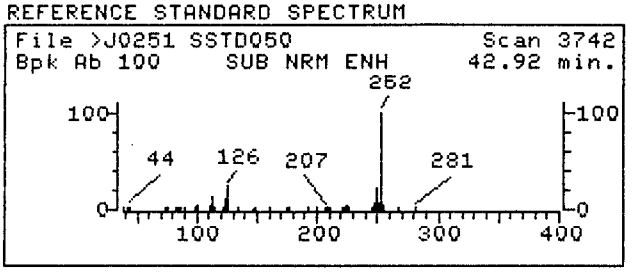


Data File: >U0803
Name: E0831-02
Misc: SL-25 50.194G 1ML
Quant Time: 940908 17:39
Injected at: 940908 16:10
Last Qcal Time: 940908 13:15

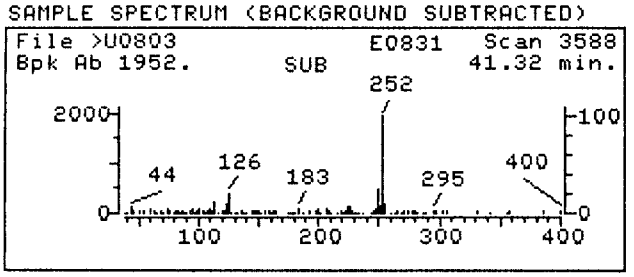
Quant Output File: ^U0803::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 69
Compound Name : Chrysene
Scan Number : 2857
Retention Time: 33.52 min.
Quant Ion : 228.0
Area : 45489M
Concentration : 22.73 UG/ML
q-value : 98

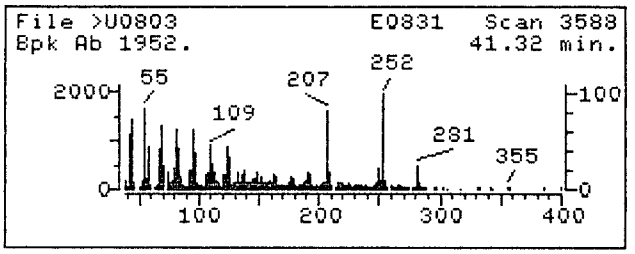
REFERENCE STANDARD SPECTRUM

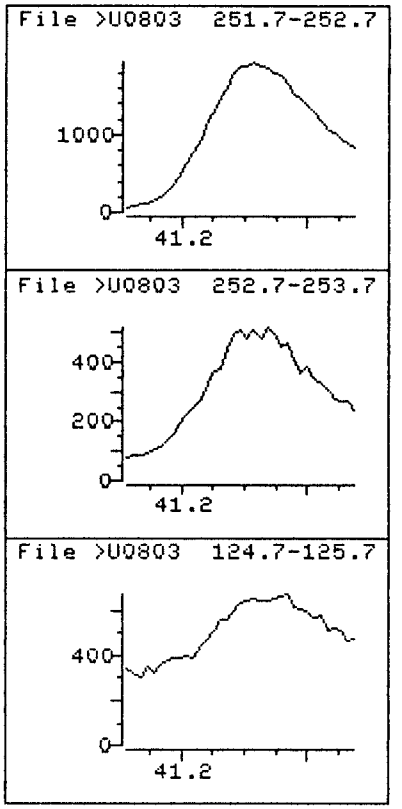


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



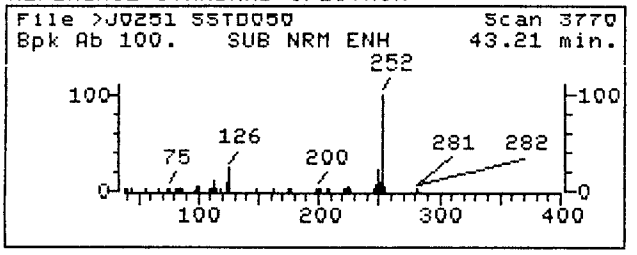


Data File: >U0803
Name: E0831-02
Misc: SL-25 50.194G 1ML
Quant Time: 940908 17:39
Injected at: 940908 16:10
Last Qcal Time: 940908 13:15

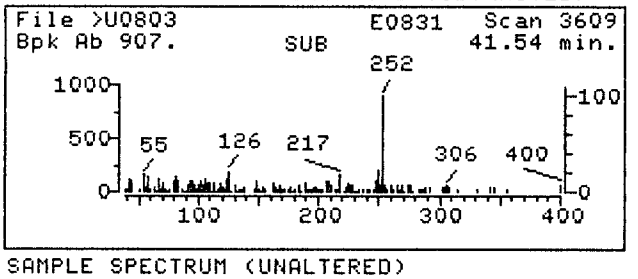
Quant Output File: ^U0803::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 73
Compound Name : Benzo(b)fluoranthene
Scan Number : 3588
Retention Time: 41.32 min.
Quant Ion : 252.0
Area : 24140M
Concentration : 20.20 UG/ML
q-value : 80

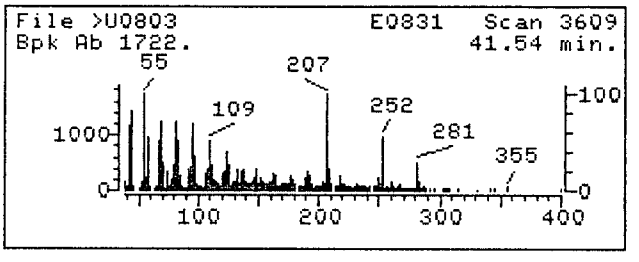
REFERENCE STANDARD SPECTRUM

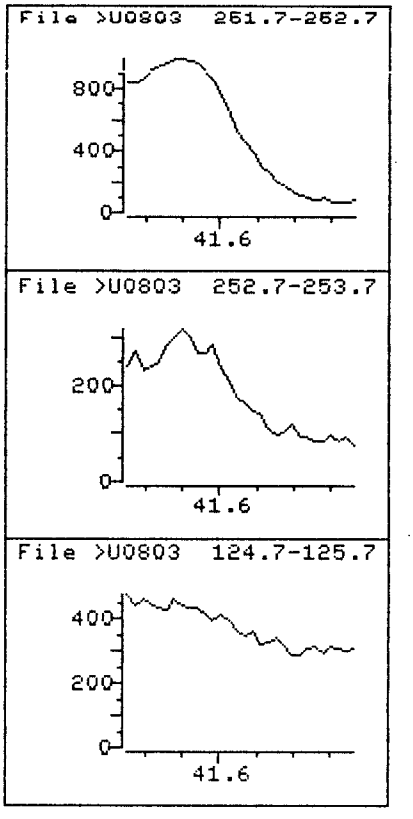


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



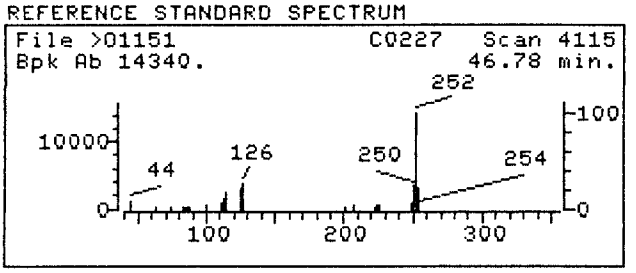


Data File: >U0803
Name: E0831-02
Misc: SL-25 50.194G 1ML
Quant Time: 940908 17:39
Injected at: 940908 16:10
Last Qcal Time: 940908 13:15

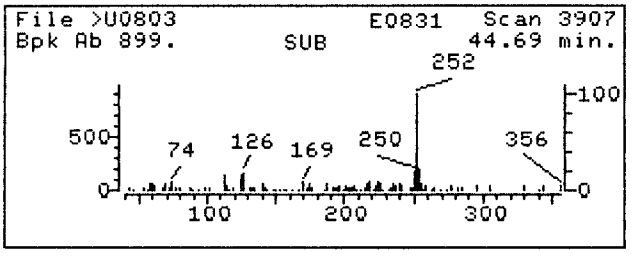
Quant Output File: ^U0803::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 74
Compound Name : Benzo(k)fluoranthene
Scan Number : 3609
Retention Time: 41.54 min.
Quant Ion : 252.0
Area : 9365M
Concentration : 7.75 UG/ML
q-value : 80

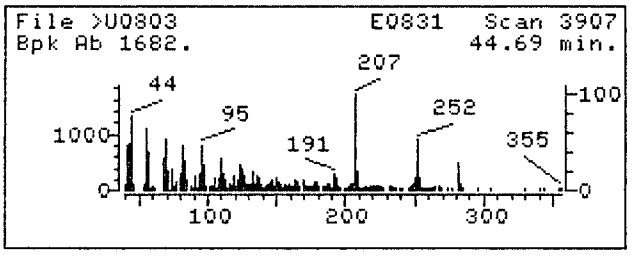
REFERENCE STANDARD SPECTRUM

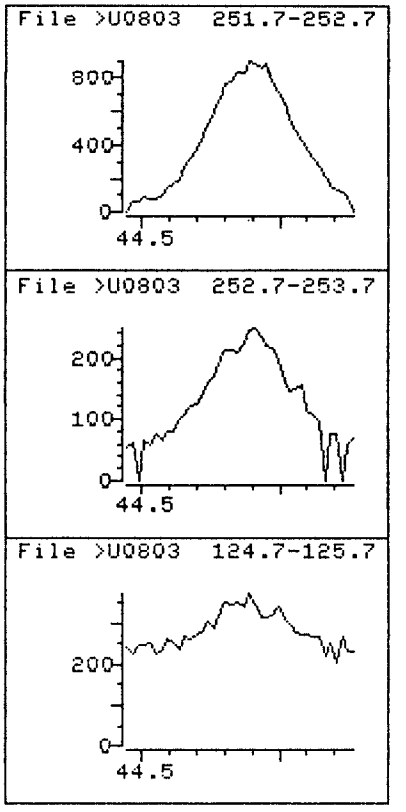


SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)



SAMPLE SPECTRUM (UNALTERED)



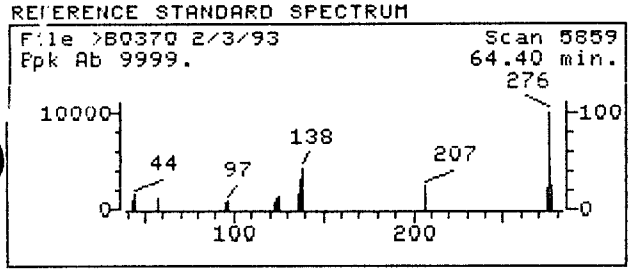


Data File: >U0803
Name: E0831-02
Misc: SL-25 50.194G 1ML
Quant Time: 940908 17:39
Injected at: 940908 16:10
Last Qcal Time: 940908 13:15

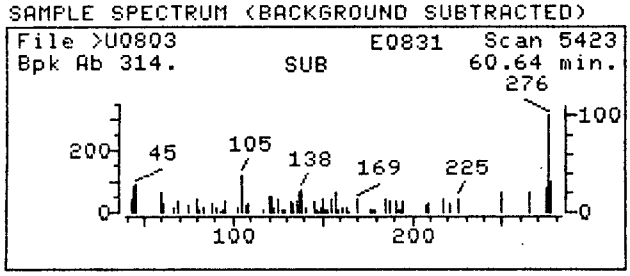
Quant Output File: ^U0803::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 75
Compound Name : Benzo(a)pyrene
Scan Number : 3907
Retention Time: 44.69 min.
Quant Ion : 252.0
Area : 10291
Concentration : 9.98 UG/ML
q-value : 70

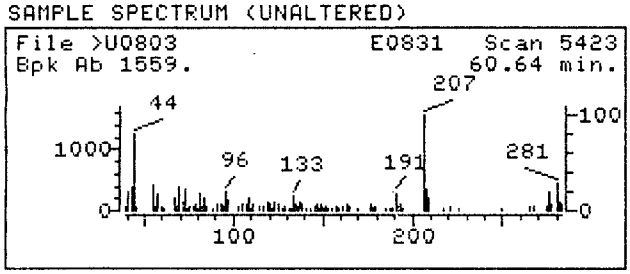
REFERENCE STANDARD SPECTRUM

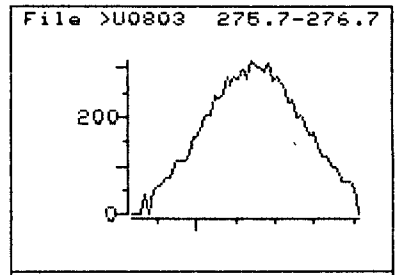


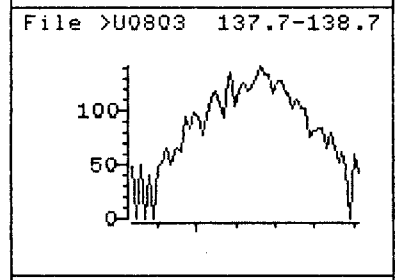
SAMPLE SPECTRUM (BACKGROUND SUBTRACTED)

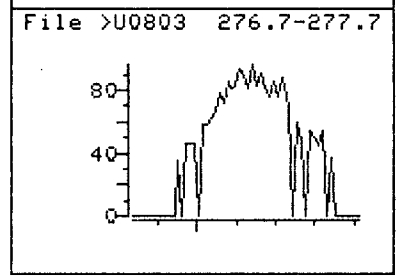


SAMPLE SPECTRUM (UNALTERED)









Data File: >U0803
Name: E0831-02
Misc: SL-25 50.194G 1ML
Quant Time: 940908 17:39
Injected at: 940908 16:10
Last Qcal Time: 940908 13:15

Quant Output File: ^U0803::A5
Instrument ID: MACH-2
BTL# 4
Quant ID File: CLPSEM::SC
Last Calibration: 930806 16:07

Compound No : 76
Compound Name : Indeno(1,2,3-cd)pyrene
Scan Number : 5423
Retention Time: 60.64 min.
Quant Ion : 276.0
Area : 5793
Concentration : 6.57 UG/ML
q-value : 72