



THE MEMPHIS DEPOT TENNESSEE

ADMINISTRATIVE RECORD COVER SHEET

AR File Number 48

Groundwater Monitoring
Results Report
for
Defense Depot
Memphis, Tennessee

Volume 5 of 9

Prepared for
U.S. Army Corps of Engineers,
Huntsville Division

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& Engineering, Inc.

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APPENDIX D

CLP-LIKE DATA RESULTS FOR
MW-9, MW-10, MW-11, MW-12,
MW-22, AND MW-37

VOLUMES 3 THROUGH 9

APPENDIX D

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POLYNUCLEAR AROMATIC HYDROCARBONS - 8310

001227

POLYNUCLEAR AROMATIC HYDROCARBONS - 8310

SDG No. 44589

001228

ANALYTICAL DATA**001229**

Lab Name: ESE

Project No.: 7934082G

SDG No: G44589

Client ID	Laboratory ID	Matrix (S/W)	Analysis	Date Collected	Date Received	Date Analyzed
ICV1	ICV*856841-B	W	NAPHTHLENE	00/00/00	00/00/00	11/25/93
CCS1	CCS*939121-B	W	NAPHTHLENE	00/00/00	00/00/00	12/05/93
PBLK1	MB*NONE*1	W	NAPHTHLENE	00/00/00	00/00/00	12/05/93
SP1	SP1*NONE*1	W	NAPHTHLENE	00/00/00	00/00/00	12/05/93
MW37SPMS	SPM1*CDDMTW*	W	NAPHTHLENE	11/18/93	11/19/93	12/05/93
MW37SPMSD	SPM2*CDDMTW*	W	NAPHTHLENE	11/18/93	11/19/93	12/05/93
MW37SP	CDDMTW*37	W	NAPHTHLENE	11/18/93	11/19/93	12/05/93
MW22SP	CDDMTW*22	W	NAPHTHLENE	11/17/93	11/18/93	12/05/93
CCS2	CCS*939121-B	W	NAPHTHLENE	00/00/00	00/00/00	12/05/93

Comments:

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ANALYSIS DATA SHEET

Client ID

PBLK1

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*1
Sample wt/vol: 1000. Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/05/93 Date Received: 00/00/00

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.002	U
129-00-0	PYRENE (UG/L)	0.025	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.002	U
218-01-9	CHRYSENE (UG/L)	0.030	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.001	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.0004	U
50-32-8	BENZO(A)PYRENE (UG/L)	0.001	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.003	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.003	U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/05/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	85.4	D
208-96-8	ACENAPHTHYLENE (UG/L)	83.2	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	92.7	D
86-73-7	FLUORENE (UG/L)	30.1	D
85-01-8	PHENANTHRENE (UG/L)	53.1	D
120-12-7	ANTHRACENE (UG/L)	49.3	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	1.03	D
50-32-8	BENZO(A)PYRENE (UG/L)	2.04	D
53-70-3	DIBEN' (A,H)ANTH' CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 20.0
 Date Analyzed: 12/05/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	85.4	D
208-96-8	ACENAPHTHYLENE (UG/L)	83.2	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	92.7	D
86-73-7	FLUORENE (UG/L)	30.1	D
85-01-8	PHENANTHRENE (UG/L)	53.1	D
120-12-7	ANTHRACENE (UG/L)	49.3	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	1.03	D
50-32-8	BENZO(A)PYRENE (UG/L)	2.04	D
53-70-3	DIBEN' (A,H)ANTH' CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

MW37SPMS

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*37
 Sample wt/vol: 800. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/05/93 Date Received: 11/19/93

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	109.	D
208-96-8	ACENAPHTHYLENE (UG/L)	103.	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	109.	D
86-73-7	FLUORENE (UG/L)	33.3	D
85-01-8	PHENANTHRENE (UG/L)	51.0	D
120-12-7	ANTHRACENE (UG/L)	46.1	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.631	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.24	D
53-70-3	DIBEN' (A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

MW37SPMS

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*37
 Sample wt/vol: 800. Lab File ID:
 %Moisture: pH: Dilution Factor: 20.0
 Date Analyzed: 12/05/93 Date Received: 11/19/93

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	109.	D
208-96-8	ACENAPHTHYLENE (UG/L)	103.	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	109.	D
86-73-7	FLUORENE (UG/L)	33.3	D
85-01-8	PHENANTHRENE (UG/L)	51.0	D
120-12-7	ANTHRACENE (UG/L)	46.1	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.631	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.24	D
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

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MW37SPMSD

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
Matrix: (soil/water) WATER Lab Sample ID: SPM2*CDDMTW*37
Sample wt/vol: 850. Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/05/93 Date Received: 11/19/93

CAS NO.	COMPOUND	Q
91-20-3	NAPHTHALENE (UG/L)	102. D
208-96-8	ACENAPHTHYLENE (UG/L)	97.4 D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0 U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0 U
83-32-9	ACENAPHTHENE (UG/L)	95.1 D
86-73-7	FLUORENE (UG/L)	29.0 D
85-01-8	PHENANTHRENE (UG/L)	45.8 D
120-12-7	ANTHRACENE (UG/L)	41.7 D
206-44-0	FLUORANTHENE (UG/L)	0.0 U
129-00-0	PYRENE (UG/L)	0.0 U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0 U
218-01-9	CHRYSENE (UG/L)	0.0 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0 U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.572 D
50-32-8	BENZO(A)PYRENE (UG/L)	1.09 D
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.0 U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0 U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0 U

ANALYSIS DATA SHEET

MW37SPMSD

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: SPM2*CDDMTW*37
 Sample wt/vol: 850. Lab File ID:
 %Moisture: pH: Dilution Factor: 20.0
 Date Analyzed: 12/05/93 Date Received: 11/19/93

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	102.	D
208-96-8	ACENAPHTHYLENE (UG/L)	97.4	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	95.1	D
86-73-7	FLUORENE (UG/L)	29.0	D
85-01-8	PHENANTHRENE (UG/L)	45.8	D
120-12-7	ANTHRACENE (UG/L)	41.7	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.572	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.09	D
53-70-3	DIBEN' (A,H)ANTH' CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

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ANALYSIS DATA SHEET

Client ID

MW37SP

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*37
Sample wt/vol: 1000. Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/05/93 Date Received: 11/19/93

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.002	U
129-00-0	PYRENE (UG/L)	0.025	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.002	U
218-01-9	CHRYSENE (UG/L)	0.189	
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.001	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.0004	U
50-32-8	BENZO(A)PYRENE (UG/L)	0.001	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.003	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.007	

ANALYSIS DATA SHEET

MW22SP

Lab Name: ESE Project No.: 7934082G SDG No.: G44589
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*22
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/05/93 Date Received: 11/18/93

CAS NO.	COMPOUND	Q
91-20-3	NAPHTHALENE (UG/L)	0.905 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52 U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47 U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15 U
83-32-9	ACENAPHTHENE (UG/L)	2.26 U
86-73-7	FLUORENE (UG/L)	0.235 U
85-01-8	PHENANTHRENE (UG/L)	0.061 U
120-12-7	ANTHRACENE (UG/L)	0.088 U
206-44-0	FLUORANTHENE (UG/L)	0.022
129-00-0	PYRENE (UG/L)	0.025 U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.008
218-01-9	CHRYSENE (UG/L)	0.030 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.015
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.005
50-32-8	BENZO(A)PYRENE (UG/L)	0.010
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.005
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004 U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.020

QUALITY CONTROL DATA

001240

CALIBRATION CURVES 48 19

Lab Name: ESE

SDG #: G44589

Analyte: NAPHTHALENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-52.9	0.	1.0000
		180.96	4757.	115.	9.067	
		361.920	9993.	301.	9.033	
		723.80	20078.	658.	9.061	
		3619.20	105278.	3670.	9.017	
		7238.400	208378.	7320.	9.033	
		18096.	519802.	18400.	9.050	
		36192.00	1019453.	36000.	9.100	
2	11/24/93	0.	0.	10.4	0.	1.0000
		180.96	4757.	175.	9.07	
		361.920	9993.	356.	9.03	
		723.80	20078.	705.	9.06	
		3619.20	105278.	3650.	9.02	
		7238.400	208378.	7220.	9.03	

Control Limits: $r = 0.995$

Comments:

Lab Name: ESE

SDG #: G44589

Analyte: ACENAPHTHYLENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-108.	0.	1.0000
		304.76	5487.	183.	10.533	
		609.52	11209.	487.	10.485	
		1219.04	23239.	1130.	10.500	
		6095.2	118058.	6170.	10.467	
		12190.	236255.	12400.	10.483	
		30476.	582046.	30800.	10.483	
		60952.	1144417.	60700.	10.550	
2	11/24/93	0.	0.	18.2	0.	1.0000
		304.76	5487.	301.	10.53	
		609.52	11209.	596.	10.48	
		1219.04	23239.	1220.	10.50	
		6095.2	118058.	6100.	10.47	
		12190.	236255.	12200.	10.48	

Control Limits: $r = 0.995$

Comments:

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SDG #: G44589

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0. 293.34 586.68 1173.36 5866.8 11733.6 29334. 58668.	0. 6696. 12444. 25229. 127006. 251882. 621005. 1214506.	-150. 172. 449. 1070. 5970. 12000. 29800. 58400.	0. 11.523 11.476 11.498 11.481 11.498 11.489 11.548	.9999

Comments :

CALIBRATION CURVES

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Lab Name: ESE

SDG #: G44589

Analyte: ACENAPHTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-608.	0.	.9994
		452.43	7127.	-45.5	12.653	
		904.86	12232.	357.	12.598	
		1809.72	25085.	1370.	12.630	
		9048.6	126252.	9350.	12.613	
		18097.2	250368.	19100.	12.633	
		45243.	608534.	47400.	12.617	
		90486.	1137477.	89100.	12.656	
2	11/24/93	0.	0.	-18.5	0.	1.0000
		452.43	7127.	496.	12.65	
		904.86	12232.	865.	12.60	
		1809.72	25085.	1790.	12.63	
		9048.6	126252.	9100.	12.61	
		18097.2	250368.	18100.	12.63	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 24

Lab Name: ESE

SDG #: G44589

Analyte: FLUORENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-16.8	0.	1.0000
		47.	6452.	33.7	13.158	
		94.	11647.	74.4	13.102	
		188.	24137.	172.	13.138	
		940.	124281.	957.	13.118	
		1880.	247512.	1920.	13.141	
		4700.	606321.	4730.	13.123	
		9400.	1198653.	9370.	13.166	
2	11/24/93	0.	0.	1.58	0.	1.0000
		47.	6452.	50.5	13.16	
		94.	11647.	89.9	13.10	
		188.	24137.	185.	13.14	
		940.	124281.	944.	13.12	
		1880.	247512.	1880.	13.14	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 25

Lab Name: ESE

SDG #: G44589

Analyte:

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-5.16	0.	.9999
		10.584	4823.	4.88	21.100	
		21.168	10349.	16.4	21.100	
		42.336	20812.	38.2	21.067	
		211.68	105193.	214.	21.083	
		423.36	211983.	436.	21.050	
		1058.4	518742.	1070.	21.033	
		2116.8	1014410.	2110.	21.133	
2	11/24/93	0.	0.	0.687	0.	1.0000
		10.584	4823.	10.3	21.10	
		21.168	10349.	21.3	21.10	
		42.336	20812.	42.2	21.07	
		211.68	105193.	211.	21.08	
		423.36	211983.	424.	21.05	

Control Limits: $r = 0.995$

Comments:

Lab Name: ESE

SDG #: G44589

Analyte: PHENANTHRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.079	0.	1.0000
		12.16	25374.	11.1	14.728	
		24.32	55795.	24.6	14.683	
		48.64	111832.	49.4	14.719	
		243.2	555461.	246.	14.711	
		486.4	1090194.	482.	14.733	
		1216.	2755652.	1220.	14.704	
		2432.	5496991.	2430.	14.733	

Control Limits: $r = 0.995$

Comments:

SDG # : G44589

Instrument ID:

[illegible]Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 28

Lab Name: ESE

SDG #: G44589

Analyte: FLUORANTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.003	0.	1.0000
		0.341	39874.	0.310	17.973	
		0.682	86415.	0.676	17.930	
		1.364	171229.	1.34	17.980	
		6.820	876172.	6.89	17.967	
		13.640	1717352.	13.5	17.967	
		34.100	4367172.	34.3	17.928	
		68.2	8663348.	68.1	18.000	

Control Limits: $r = 0.995$

Comments:

SDG #: G44589

Analyte: PYRENE

Instrument ID:

[illegible]Control Limits: $r = 0.995$

Comments :

48 30

SDG #: G44589

Instrument ID:

[illegible]

Comments:

48 31

SDG #: G44589

Instrument ID:

Control Limits: $r = 0.995$

FORM II ESE

001253

Lab Name: ESE

SDG #: G44589

Analyte: BENZO(B) FLUORANTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.007	0.	1.0000
		0.289	40268.	0.243	28.204	
		0.578	90446.	0.554	28.266	
		1.156	186885.	1.15	28.182	
		5.782	923512.	5.72	28.106	
		11.564	1852927.	11.5	28.069	
		28.910	4720387.	29.3	28.077	
		57.82	9289144.	57.6	28.251	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 33

Lab Name: ESE

SDG #: G44589

Analyte: BENZO(K) FLUORANTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	0.018	0.	.9999
		0.076	31947.	0.098	29.717	
		0.152	59376.	0.166	29.778	
		0.304	121040.	0.319	29.669	
		1.52	609573.	1.53	29.581	
		3.04	1206196.	3.02	29.520	
		7.6	2996083.	7.47	29.542	
		15.2	6128963.	15.3	29.722	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

Lab Name: ESE

SDG #: G44589

Analyte: BENZO(A)PYRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.009	0.	1.0000
		0.278	44991.	0.273	31.012	
		0.557	80807.	0.498	31.010	
		1.113	176640.	1.10	30.921	
		5.566	884558.	5.54	30.840	
		11.133	1776759.	11.1	30.809	
		27.832	4466869.	28.0	30.803	
		55.664	8854283.	55.6	30.993	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 35

Lab Name: ESE

SDG #: G44589

Analyte: DIBEN' (A,H) ANTH' CENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.004	0.	1.0000
		0.5	29593.	0.463	33.555	
		1.	61733.	0.970	33.485	
		2.	125694.	1.98	33.372	
		10.	642930.	10.1	33.334	
		20.	1262067.	19.9	33.324	
		50.	3173393.	50.1	33.291	
		100.	6335246.	100.0	33.480	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 36

Lab Name: ESE

SDG #: G44589

Analyte: BENZO(GHI)PERYLENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	0.221	0.	1.0000
		0.8	28925.	1.03	34.726	
		1.6	54531.	1.74	34.533	
		3.2	110186.	3.29	34.484	
		16.	562640.	15.9	34.464	
		32.	1124426.	31.5	34.427	
		80.	2848794.	79.6	34.393	
		160.	5746382.	160.	34.574	

Control Limits: $r = 0.995$

Comments:

SDG #: G44589

Instrument ID:

Comments:

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

MW37SPMS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44589

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC #	QC LIMITS REC.
NAPHTHALENE	123	0.	109	88.6	21-117
ACENAPHTHYLENE	128	0.	103	80.5	53-103
ACENAPHTHENE	130	0.	109	83.8	49-109
FLUORENE	40.5	0.	33.3	82.2	40-110
PHENANTHRENE	66.5	0.	51.0	76.7	52-116
ANTHRACENE	61.9	0.	46.1	74.5	44-124

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC #	% RPD #	QC LIMITS RPD REC.
NAPHTHALENE	115	102	88.7	0.1	48 21-117
ACENAPHTHYLENE	120	97.4	81.2	0.9	25 53-103
ACENAPHTHENE	122	95.1	78.0	7.2	30 49-109
FLUORENE	38.1	29.0	76.1	7.7	35 40-110
PHENANTHRENE	62.6	45.8	73.2	4.7	32 52-116
ANTHRACENE	58.2	41.7	71.6	4.0	40 44-124

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

* Values outside of QC limits

COMMENT:

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

MW37SPMS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44589

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC #	QC LIMITS REC.
BENZO (K) FLUORANTHENE	1.33	0.	0.631	47.4	41-123
BENZO (A) PYRENE	2.58	0.	1.24	48.1	45-121

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC #	% RPD #	QC LIMITS RPD REC.
BENZO (K) FLUORANTHENE	1.25	0.572	45.8	3.4	41 41-123
BENZO (A) PYRENE	2.42	1.09	45.0	6.7	38 45-121

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

* Values outside of QC limits

COMMENT:

48 40

Client ID

ESE METHOD BLANK SUMMARY

PBLK1

Lab Name: ESE

Project No: 7934082G

SDG No.: G44589

Lab Sample ID: MB*NONE*1

Lab File ID:

Matrix:(soil/water) WATER

Instrument ID:

Date Analyzed : 12/05/93

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
=====	=====	=====
MW37SPMSDL	SPM1*CDDMTW*37	12/05/93
MW37SPMSDDL	SPM2*CDDMTW*37	12/05/93
MW37SP	CDDMTW*37	12/05/93
MW22SP	CDDMTW*22	12/05/93

COMMENTS:

Client ID

REFERENCE STANDARD

SP1

Lab Name: ESE

SDG No: G44589

Lab Sample ID: SP1*NONE*1

Date Analyzed: 12/05/93

Standard Source:

Instrument ID:

Analyte	True	Found	C	%Recv	Limits
NAPHTHALENE	98.0	85.4		87.1	21-117
ACENAPHTHYLENE	102.	83.2		81.6	53-103
ACENAPHTHENE	104.	92.7		89.1	49-109
FLUORENE	32.4	30.1		92.9	40-110
PHENANTHRENE	53.2	53.1		99.8	52-116
ANTHRACENE	49.5	49.3		99.6	44-124
BENZO (K) FLUORANTHENE	1.06	1.03		97.2	41-123
BENZO (A) PYRENE	2.06	2.04		99.0	45-121

Comments:

REFERENCE STANDARD

SP1

Lab Name: ESE

SDG No: G44589

Lab Sample ID: SP1*NONE*1

Date Analyzed: 12/05/93

Standard Source:

Instrument ID:

Analyte	True	Found	C	%Recv	Limits
NAPHTHALENE	98.0	85.4		87.1	21-117
ACENAPHTHYLENE	102.	83.2		81.6	53-103
ACENAPHTHENE	104.	92.7		89.1	49-109
FLUORENE	32.4	30.1		92.9	40-110
PHENANTHRENE	53.2	53.1		99.8	52-116
ANTHRACENE	49.5	49.3		99.6	44-124
BENZO (K) FLUORANTHENE	1.06	1.03		97.2	41-123
BENZO (A) PYRENE	2.06	2.04		99.0	45-121

Comments:

SURROGATE RECOVERIES

Lab Name: ESE

Contract: 7934082G

SDG No.: G44589

Analyte: TRIPHENYLENE

Limits: 41-143

Client Sample ID	Recv
MW37SPMSDL	49
MW37SPMSDDL	45
MW37SP	70
MW22SP	69

* Values outside of QC limits

CALIBRATION VERIFICATION

ICV1

Lab Name: ESE

Project No: 7934082G

SDG No: G44589

Lab Sample ID: ICV*856841-B*1

Date Analyzed: 11/25/93

Instrument ID:

Analyte	True	Found	C	%Diff	Limit
NAPHTHLENE	200.	200.		0.0	10
ACNAPHYL	200.	300.		2.1	10
1-MENAPH	400.	600.		0.4	10
2-MENAPH	100.	800.		0.8	10
ACNAPHTH	000.	700.		0.8	10
FLUORENE	910.	300.		3.9	10
PHENANTHR	420.	400.		1.4	10
ANTHRACEN	500.	510.		0.7	10
FLUORANTH	20.4	19.7		3.4	10
PYRENE	845.	832.		1.5	10
B(A) ANTHR	15.6	15.9		1.9	10
CHRYSENE	564.	552.		2.1	10
B(B) FLUOR	11.6	11.6		0.0	10
B(K) FLUOR	6.88	6.84		0.6	10
B(A) PYREN	24.3	23.8		2.1	10
DB(AH) ANT	29.2	29.4		0.7	10
B(GHI) PERYL	146.	127.		13.0	10
I123CDPYR	31.8	32.8		3.1	10

Comments:

RAW DATA

001267

GC OR HPLC BATCH DOCUMENTATION CHECKLIST

Initial or NA	ESE Standard
☒	Batch printout (include % moisture) <u>NA</u>
☒	Method-reference & deviations
☒	Dilution factors checked
☒	Sample Arrival Notices
☒	Extraction logsheets - copies
☒	Chromatographic logsheets or copies
☒	Instrument logbook pages
☒	(include instrument ID <u> </u>) copies
☒	Extractor notebook pages - copies
☒	Analyst notebook pages - copies
☒	Correspondence and memos
☒	Chromatograms (labeled <u> </u>)
☒	unused chromatograms noted & explained <u> </u>
☒	column used <u> </u> , instrument conditions <u> </u>

SW-B46 Supplement

☒	Check sample results
☒	Surrogate results
☒	Evaluation standard results (pesticides only)
☒	Retention windows

Navy Supplement

<u>NA</u>	Control Charts (each required analyte)

Air Force Supplement

<u>NA</u>	Second column confirmation form

Notes:

<u>BJ</u>	Analyst Initials
<u>ROB</u>	Checked by

12-15-93

Date

12/15/93

Date

001268

ESB BATCH : 044589

QC TYPE : FDER/SW
ANALYST : BEN JOHNSON
EXTRACTOR : DONNA CREWS
DATA ENTRY : NELSON UPLOAD

REPORT DATE/TIME : 12/15/93 11:49:45
ANALYSIS DATE : 12/05/93
EXTRACT DATE : 11/22/93

48 47

STATUS :

METHOD BLANK CORRECTION METHOD : BY RESPONSE

FIELD GRP QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDDMTW	7934082G 0201	HUNTSVILLE COE - DDMT	PATRICK WILBER

Sample Specific Raw Data

SAMPLE CODE	EXTRACT DATE	ANALYSIS DATE	ANALYSIS TIME	SAMPLE VOLUME (ML)	EXTRACT VOLUME (ML)	INJECTION VOLUME (NA)	%MOISTURE
ICV*856841-B*1		11/25/93	02:28AM				
CCS*939121-B5*22		12/05/93	02:07PM				
ME*NONE*1	11/22/93	12/05/93	03:51PM	1000	5		
SP1*NONE*1	11/22/93	12/05/93	04:46PM	1000	5		
SPM1*CDDMTW*37	11/22/93	12/05/93	05:41PM	800	5		
SPM2*CDDMTW*37	11/22/93	12/05/93	06:35PM	850	5		
DA*CDDMTW*37	11/22/93	12/05/93	07:30PM	1000	5		
DA*CDDMTW*22	11/22/93	12/05/93	08:25PM	1000	5		
CCS*939121-B5*23		12/05/93	09:20PM				

001269

Parameter Specific Raw Data

SAMPLE CODE	STORET NAME	STATUS	RESPONSE (KA)	DIL	TYPE	CURVE	RET TIME	SPIKE SOL CONC (UG/L)	SPIKE SAMP VOL (ML)	SPIKE VOLUME (ML)	DIL CODE	CALC'D TARGET (UG/L)
1CV-856841-B*1	NAPHTHLENE	OK	103785	10			9.017					36240
	ACNAPHYL	OK	100395	10			10.457					51240
	1-MENAPH	OK	120590	10			11.492					56380
	2-MENAPH	OK	79118	10			12.007					37080
	ACNAPHTH	OK	122750	10			12.632					90000
	FLUORENE	OK	133368	10			13.136					9912
	TPN	OK	70133	10			20.967					1132.8
	PHENANTHR	OK	316468	10			14.729					1424
	ANTHRACEN	OK	274640	10			16.101					1498
	FLUORANTH	OK	251135	10			17.899					20.38
	PYRENE	OK	150233	10			19.067					844.8
	B(A)ANTHR	OK	212807	10			23.408					15.60
	CHRYSENE	OK	349561	10			24.210					564.48
	B(B)FLUOR	OK	188466	10			27.964					11.56
	B(K)FLUOR	OK	267571	10			29.386					6.88
	B(A)PYREN	OK	381097	10			30.654					24.32
	DB(AH)ANT	OK	186512	10			33.091					29.16
	B(GH1)PERYL	OK	446203	10			34.196					146
	1123CDPYR	OK	199481	10			35.046					31.84
CCS-939121-B5-2	NAPHTHLENE	OK	501497	1	MANUAL		9.607					519802
	ACNAPHYL	OK	571107	1	MANUAL		11.151					582046
	1-MENAPH	OK	588953	1	MANUAL		12.202					621005
	2-MENAPH	OK	478883	1	MANUAL		12.729					487266
	ACNAPHTH	OK	595807	1	MANUAL		13.361					608534
	FLUORENE	OK	592748	1	MANUAL		13.550					606321
	TPN	OK	508813	1	MANUAL		21.683					516742
	PHENANTHR	OK	2660891	1	MANUAL		15.483					2755652
	ANTHRACEN	OK	3017128	1	MANUAL		16.817					3194948
	FLUORANTH	OK	4143593	1	MANUAL		18.638					4367172
	PYRENE	OK	2090167	1	MANUAL		19.777					2140603
	B(A)ANTHR	OK	3858290	1	MANUAL		24.083					4062814
	CHRYSENE	OK	3756452	1	MANUAL		24.824					3828887
	B(B)FLUOR	OK	4521127	1	MANUAL		28.589					4720387
	B(K)FLUOR	OK	2989451	1	MANUAL		30.105					2986083
	B(A)PYREN	OK	4426569	1	MANUAL		31.422					4466869
	DB(AH)ANT	OK	3310433	1	MANUAL		34.157					3173393
	B(GH1)PERYL	OK	2891751	1	MANUAL		35.333					2848794
	1123CDPYR	OK	2925252	1	MANUAL		36.283					3073442
MB-NONE*1	NAPHTHLENE	OK	0		FINAL		0					0
	ACNAPHYL	OK	0		FINAL		0					0
	1-MENAPH	OK	0		FINAL		0					0
	2-MENAPH	OK	0		FINAL		0					0
	ACNAPHTH	OK	0		FINAL		0					0
	FLUORENE	OK	0		FINAL		0					0
	TPN	OK	440392	1			21.917	9310	1000	0.5	N	4.655
	PHENANTHR	OK	0		FINAL		0					0
	ANTHRACEN	OK	0		FINAL		0					0
	FLUORANTH	OK	0		FINAL		0					0
	PYRENE	OK	0		FINAL		0					0
	B(A)ANTHR	OK	0		FINAL		0					0
	CHRYSENE	OK	0		FINAL		0					0
	B(B)FLUOR	OK	0		FINAL		0					0
	B(K)FLUOR	OK	0		FINAL		0					0
	B(A)PYREN	OK	0		FINAL		0					0
	DB(AH)ANT	OK	0		FINAL		0					0
	B(GH1)PERYL	OK	0		FINAL		0					0
	1123CDPYR	OK	0		FINAL		0					0
SPI-NONE*1	NAPHTHLENE	OK	24378	20			9.700	98000	1000	1	N	98
	ACNAPHYL	OK	15802	20			11.250	102000	1000	1	N	102
	ACNAPHTH	OK	13081	20			13.433	104000	1000	1	N	104
	FLUORENE	OK	39487	20			13.950	32400	1000	1	N	32.4
	TPN	OK	23167	20			21.883	9310	1000	0.5	N	4.655
	PHENANTHR	OK	1201773	20			15.576	53200	1000	1	N	53.2
	ANTHRACEN	OK	895119	20			16.967	49500	1000	1	N	49.5
	B(K)FLUOR	OK	4134076	20			30.320	1060	1000	1	N	1.06
	B(A)PYREN	OK	3247278	20			31.619	2060	1000	1	N	2.06
SPH1-CDDMTW*37	NAPHTHLENE	OK	24922	20			9.667	98000	800	1	N	122.5
	ACNAPHYL	OK	15693	20			11.200	102000	800	1	N	127.5
	ACNAPHTH	OK	12335	20			13.387	104000	800	1	N	130
	FLUORENE	OK	34916	20			13.883	32400	800	1	N	40.5
	TPN	OK	11048	20			21.700	9310	800	0.5	N	5.81875
	PHENANTHR	OK	923194	20			15.477	53200	800	1	N	66.5
	ANTHRACEN	OK	670688	20			16.842	49500	800	1	N	61.875
	B(K)FLUOR	OK	2021180	20			30.019	1060	800	1	N	1.325

001271

STORET: 34696 METHOD: 8310/3520-G NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 180.96 DATE: 24 NOV 1993 LARGEST RESPONSE=1019453 %RSD=3.4083
 CONC : 0 180.96 361.920 723.80 3619.20 7238.400 18096 36192.00
 RESP : 0 4757 9993 20078 105278 208378 519802 1019453
 CONC': -52.9 115 301 658 3670 7320 18400 36000
 R.T.: 0 9.067 9.033 9.061 9.017 9.033 9.050 9.180

CONC = -5.2925E+01- 3.5405E-02*RESP+ *RESP**1+ *RESP**2
 95% C.I.= 1.1604E-02 2.8102E-04
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 180.96 DATE: 24 NOV 1993 LARGEST RESPONSE=208378 (USER DEFINED) %RSD=3.9708
 CONC : 0 180.96 361.920 723.80 3619.20 7238.400
 RESP : 0 4757 9993 20078 105278 208378
 CONC': 10.4 175 356 705 3650 7220
 R.T.: 0 9.067 9.033 9.061 9.017 9.033

CONC = 1.0412E+01+ 3.4612E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 2.2449E-01 2.3441E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	501000	520000	-3.7
939121-B5*23	502000	520000	-3.5

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	36200	36200	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SP1-NONE*1	0.0	85.4	85.4	98.0	87.1	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SPM1-CDDMTW*37	0.0	109	109	123	88.6	
SPM2-CDDMTW*37	0.0	102	102	115	88.7	0.1

STORET: 34200 METHOD: 8310/3520-G ACENAPHTHYLENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 304.76 DATE: 24 NOV 1993 LARGEST RESPONSE=1144417 %RSD=2.7270
 CONC : 0 304.76 609.52 1219.04 6095.2 12190 30476 60952
 RESP : 0 5487 11209 23239 118058 236255 582046 1144417
 CONC': -108 183 487 1130 6170 12400 30800 60700
 R.T.: 0 10.533 10.485 10.500 10.467 10.483 10.483 10.550

CONC = -1.0849E+02+ 5.3149E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.8901E-02 4.0775E-04
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 304.76 DATE: 24 NOV 1993 LARGEST RESPONSE=236255 (USER DEFINED) %RSD=3.2754
 CONC : 0 304.76 609.52 1219.04 6095.2 12190
 RESP : 0 5487 11209 23239 118058 236255
 CONC': 18.2 301 596 1220 6100 12200
 R.T.: 0 10.533 10.485 10.500 10.467 10.483

CONC = 1.8153E+01+ 5.1515E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.2083E-01 1.1151E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	571000	582000	-1.9
939121-B5*23	570000	582000	-2.1

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	52300	51200	2.1

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.
SPI*NONE*1	0.0	83.2	83.2	102	81.6	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.
SPM1*CDMTN*37	0.0	103	103	128	80.5	
SPM2*CDMTN*37	0.0	97.4	97.4	120	81.2	0.9

STORET: 77416 METHOD: 8310/3520-G 1-METHYL NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 293.34 DATE: 24 NOV 1993 LARGEST RESPONSE=1214506 WRSD=3.0692

CONC :	0	293.34	586.68	1173.36	5866.8	11733.6	29334	58668
RESP :	0	6696	12444	25279	127006	251882	621005	1214506
CONC :	-150	172	449	1070	5970	12000	29800	58400
R.T. :	0	11.523	11.476	11.498	11.481	11.490	11.489	11.548

CONC = -1.5018E-02+ 4.8194E-02*RESP+
 95% C.I. = 2.2458E-02 4.5594E-04
 CORRELATION COEFFICIENT = .9999

*RESP**2*

*RESP**3

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	599000	621000	-3.5
939121-B5*23	603000	621000	-2.9

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	56600	56400	0.4

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.

STORET: 77416 METHOD: 8310/3520-G 2-METHYL NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 230.26 DATE: 24 NOV 1993 LARGEST RESPONSE=959329 WRSD=5.7179

CONC :	0	230.26	460.52	921.04	4605.2	9210.4	23026	46052
RESP :	0	5645	9727	19802	100034	199141	487266	959329
CONC :	-110	160	356	839	4690	9440	23300	45900
R.T. :	0	12.030	11.983	12.014	11.997	12.013	12.002	12.055

CONC = -1.1028E-02+ 4.7945E-02*RESP+
 95% C.I. = 1.4301E-02 3.6804E-04
 CORRELATION COEFFICIENT = 1.0000

*RESP**2*

*RESP**3

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	479000	487000	-1.5
939121-B5*23	476000	487000	-2.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	36800	37100	0.8

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF.

STORET: 34205 METHOD: 8310/3520-G ACENAPHTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 452.43 DATE: 24 NOV 1993 LARGEST RESPONSE=1137477 %RSD=6.9371
 CONC : 0 452.43 904.86 1809.72 9048.6 18097.2 45243 90486
 RESP : 0 7127 12232 25085 126252 250368 608534 1137477
 CONC: -608 -45.6 357 1370 9350 19100 47400 89100
 R.T.: 0 12.653 12.598 12.630 12.613 12.633 12.617 12.656

CONC = -5.0755E+02 7.6863E-02*RESP *RESP**2 *RESP**3
 95% C.I. = 1.0299E+03 2.2060E-03
 CORRELATION COEFFICIENT = .9994

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 452.43 DATE: 24 NOV 1993 LARGEST RESPONSE=250368 (USER DEFINED) %RSD=5.2902
 CONC : 0 452.43 904.86 1809.72 9048.6 18097.2
 RESP : 0 7127 12232 25085 126252 250368
 CONC: -18.5 496 865 1790 9100 18100
 R.T.: 0 12.653 12.598 12.630 12.613 12.633

CONC = -1.8459E+01 7.2254E-02*RESP *RESP**2 *RESP**3
 95% C.I. = 4.4542E+01 3.8707E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	596000	609000	-2.1
939121-B5*23	588000	609000	-3.4

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	90700	90000	0.6

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SP1*NONE*1	0.0	92.7	92.7	104	89.1	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SPM1*CDOM*W*37	0.0	109	109	130	83.8	
SPM2*CDOM*W*37	0.0	95.1	95.1	122	78.0	7.2

STORET: 34381 METHOD: 8310/3520-G FLUORENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 47 DATE: 24 NOV 1993 LARGEST RESPONSE=1198653 %RSD=3.2562
 CONC : 0 47 94 188 940 1880 4700 9400
 RESP : 0 6452 11647 24137 124281 247512 606321 1198653
 CONC: -16.8 33.7 74.4 172 957 1920 4730 9370
 R.T.: 0 13.158 13.102 13.138 13.118 13.141 13.123 13.166

CONC = -1.6828E+01 7.8340E-03*RESP *RESP**2 *RESP**3
 95% C.I. = 2.4272E+01 5.0045E-05
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 47 DATE: 24 NOV 1993 LARGEST RESPONSE=247512 (USER DEFINED) %RSD=3.7871
 CONC : 0 47 94 188 940 1880
 RESP : 0 6452 11647 24137 124281 247512
 CONC: 1.58 50.5 89.9 185 944 1880
 R.T.: 0 13.158 13.102 13.138 13.118 13.141

CONC = 1.5781E+00 7.5829E-03*RESP *RESP**2 *RESP**3
 95% C.I. = 3.9482E+00 3.4747E-05
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	593000	606000	-2.1
939121-B5*23	599000	606000	-1.2

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	10300	9910	3.9

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SP1*NONE*1	0.0	30.1	30.1	32.4	92.9	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SPM1*CDDMTW*37	0.0	33.3	33.3	40.5	82.2	
SPM2*CDDMTW*37	0.0	29.0	29.0	38.1	76.1	7.7

STORET: 97989 METHOD: SUR TRIPHENYLENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 10.584 DATE: 24 NOV 1993 LARGEST RESPONSE=1014410 %RSD=3.0940

CONC	0	10.584	21.168	42.336	211.68	423.36	1058.4	2116.8
RESP	0	4823	10349	20812	105193	211983	518742	1014410
CONC'	-5.16	4.88	16.4	38.2	214	436	1070	2110
R.T.	0	21.100	21.100	21.067	21.083	21.050	21.033	21.133

CONC = -5.1507E+00+ 2.0811E-03*RESP-
 95% C.I.= 0.7167E+00 2.1183E-05
 CORRELATION COEFFICIENT = .9999

*RESP**2- *RESP**3

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 10.584 DATE: 24 NOV 1993 LARGEST RESPONSE=211983 (USER DEFINED) %RSD=3.6919

CONC	0	10.584	21.168	42.336	211.68	423.36
RESP	0	4823	10349	20812	105193	211983
CONC'	0.687	10.3	21.3	42.2	211	424
R.T.	0	21.100	21.100	21.067	21.083	21.050

CONC = 6.8748E-01+ 1.9963E-03*RESP+
 95% C.I.= 6.8195E-01 7.0235E-06
 CORRELATION COEFFICIENT = 1.0000

*RESP**2- *RESP**3

STORET: 34461 METHOD: 8310/3520-G PHENANTHRENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 12.15 DATE: 24 NOV 1993 LARGEST RESPONSE=5496991 %RSD=3.2796

CONC	0	12.15	24.32	48.64	243.2	486.4	1216	2432
RESP	0	25374	55795	111832	555461	1090194	2755652	5496991
CONC'	-1.079	11.1	24.6	49.4	246	482	1220	2430
R.T.	0	14.728	14.683	14.715	14.711	14.733	14.704	14.733

CONC = -7.8591E-02+ 4.4210E-04*RESP+
 95% C.I.= 2.0037E+00 9.0375E-07
 CORRELATION COEFFICIENT = 1.0000

*RESP**2- *RESP**3

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	2660000	2760000	-3.6
939121-B5*23	2720000	2760000	-1.4

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	1400	1820	1.4

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SP1*NONE*1	0.0	53.1	53.1	53.2	99.8	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SPM1*CDDMTW*37	0.0	51.0	51.0	66.5	76.7	
SPM2*CDDMTW*37	0.0	45.8	45.8	62.6	73.2	4.7

STORET: 34220 METHOD: 8310/3520-G ANTHRACENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 17.6 DATE: 24 NOV 1993 LARGEST RESPONSE=6387892 %RSD=4.5367

CONC	0	17.6	35.2	70.4	352	704	1760	3520
RESP	0	35683	62498	128306	641284	1278506	3194948	6387892
CONC'	-4.464	19.2	34.0	70.2	353	703	1760	3520
R.T.	0	16.132	16.074	16.151	16.093	16.133	16.085	16.133

CONC = -4.6363E-01+ 5.5111E-04*RESP+
 95% C.I.= 8.5810E-01 3.3353E-07

*RESP**2- *RESP**3

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	3020000	3190000	-5.3
939121-B5*23	3100000	3190000	-2.8

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	1510	1500	0.7

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPL*NONE*1	0.0	49.3	49.3	49.5	99.6	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPM1-CDDMTW*37	0.0	46.1	46.1	61.9	74.5	
SPM2-CDDMTW*37	0.0	41.7	41.7	58.2	71.6	8.0

STORET: 34376 METHOD: 8310/3520-G FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.341 DATE: 24 NOV 1993 LARGEST RESPONSE=6663348 %RSD=3.1220

CONC	0	0.341	0.682	1.364	6.820	13.640	34.100	68.2
RESP	0	39874	86435	171229	876172	1717352	4367172	8663348
CONC'	-0.003	0.310	0.676	1.34	6.89	13.6	34.3	68.1
R.T.	0	17.973	17.930	17.980	17.967	17.967	17.928	18.000

CONC = -2.9985E-03+ 7.8617E-06*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.0189E-01 2.9129E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	4140000	4370000	-5.3
939121-B5*23	4170000	4370000	-4.6

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	19.7	20.4	3.4

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

STORET: 34469 METHOD: 8310/3520-G PYRENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 5.057 DATE: 24 NOV 1993 LARGEST RESPONSE=4234393 %RSD=1.0577

CONC	0	5.057	10.114	20.227	101.136	202.272	505.68	1011.36
RESP	0	21342	43535	84971	421648	848220	2140803	4234393
CONC'	-0.346	4.74	10.0	19.9	100	202	510	1010
R.T.	0	19.183	19.161	19.123	19.131	19.143	19.090	19.183

CONC = -1.4575E-01+ 2.3844E-04*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.7270E-00 1.0094E-06
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	2090000	2140000	-2.3
939121-B5*23	2090000	2140000	-2.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

STORET: 14526 METHOD: 8310/3520-G BENZO(A)ANTHRACENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CONC	0	0.307	0.615	1.229	6.146	12.293	30.732	61.464
RESP	0	42908	81164	162906	823342	1627178	4062818	8116435
CONC	-0.024	0.301	0.591	1.21	6.21	12.3	30.7	61.4
R.T.	0	23.640	23.697	23.582	23.562	23.513	23.517	23.650

CONC = -2.3940E-02+ 7.5719E-06*RESP+ *RESP**2+ *RESP**3
 95% C.I. = 2.7581E-02 8.4245E-09
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	3860000	4060000	-4.9
939121-B5*23	3850000	4060000	-5.2

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
B56841-B*1	15.9	15.6	1.9

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

STORET: 34320 METHOD: 8310/3520-G CHRYSENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CONC	0	5.998	11.995	23.990	119.952	239.904	599.76	1195.52
RESP	0	36737	73275	156476	750200	1518686	3828687	7585373
CONC	0.146	5.93	11.7	24.8	118	239	603	1190
R.T.	0	24.481	24.493	24.390	24.368	24.312	24.318	24.467

CONC = 1.4630E-01+ 1.5762E-04*RESP+ *RESP**2+ *RESP**3
 95% C.I. = 1.3582E-00 4.4329E-07
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	3760000	3830000	-1.8
939121-B5*23	3820000	3830000	-3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
B56841-B*1	552	564	2.1

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

STORET: 14230 METHOD: 8310/3520-G BENZO(B)FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CONC	0	0.289	0.578	1.156	5.782	11.564	28.910	57.82
RESP	0	40268	90446	186885	923512	1852927	4720387	9289144
CONC	-0.007	0.243	0.554	1.15	5.72	11.5	29.3	57.6
R.T.	0	28.204	28.266	28.182	28.106	28.069	28.077	28.251

CONC = -6.9696E-03 6.2066E-06*RESP*
 95% C.I. = 1.4828E-01 3.9471E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	4520000	4720000	-4.2
939121-B5*23	4510000	4720000	-4.4

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	11.6	11.6	0.0

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

STORET: 34242 METHOD: 8310/3520-G BENZO(K)FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.078 DATE: 24 NOV 1993 LARGEST RESPONSE=6128963 WSTD=2.4071
 CONC : 0 0.076 0.152 0.304 1.52 3.04 7.6 15.2
 RESP : 0 31947 59376 121040 509573 1206196 2996083 6128963
 CONC : 0.018 0.098 0.166 0.319 1.53 3.02 7.47 15.3
 R.T. : 0 29.717 29.778 29.669 29.581 29.520 29.542 29.722

CONC = 1.8390E-02 2.4876E-06*RESP*
 95% C.I. = 5.1674E-02 2.1011E-08
 CORRELATION COEFFICIENT = .9899

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	2990000	3000000	-1.3
939121-B5*23	3010000	3000000	0.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	6.84	6.88	0.6

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SP1*NONE*1	0.0	1.03	1.03	1.06	97.2	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPM1*CDMTW*37	0.00009	0.631	0.631	1.33	47.4	
SPM2*CDMTW*37	0.00009	0.572	0.572	1.25	45.8	3.4

STORET: 34247 METHOD: 8310/3520-G BENZO(A)PYRENE, UG/L LINE

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 0.298 DATE: 24 NOV 1993 LARGEST RESPONSE=8854283 (USER DEFINED) WSTD=3.5902
 CONC : 0 0.298 0.597 1.113 5.566 11.133 27.832 55.664
 RESP : 0 44991 80807 176640 884558 1776759 4466869 8854283
 CONC : -0.009 0.273 0.498 1.10 5.54 11.1 28.0 55.6
 R.T. : 0 31.012 31.810 30.921 30.640 30.809 30.803 30.993

CONC = -0.9348E-03 6.2766E-06*RESP*
 95% C.I. = 7.8707E-02 2.2807E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	4430000	4470000	-1.9
939121-B5*23	4330000	4470000	-3.1

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	23.8	24.3	2.1

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.
SP1*NONE*1	0.0	2.04	2.04	2.06	99.0	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.
SPM1*CODMTW*37	0.0	1.24	1.24	2.58	48.1	
SPM2*CODMTW*37	0.0	1.09	1.09	2.42	45.0	6.7

STORET: 34556 METHOD: 8310/3520-G DIBEN(A, H)ANTH'CENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CALIBRATION CURVE # 1 (UG/L)		DATE: 24 NOV 1993		LARGEST RESPONSE=6335246 MSD=2.6823				
CURVE DETECTION	LIMIT= 0.5	1	2	10	20	50	100	
CONC :	0	0.5	1	2	10	20	50	100
RESP :	0	29593	61733	125694	642930	1262067	3173393	6335246
CONC :	-0.004	0.463	0.970	1.98	10.1	19.9	50.1	100.0
R.T.:	0	33.555	33.485	33.372	33.334	33.324	33.291	33.480

CONC = -4.4356E-03+ 1.5780E-05*RESP, *RESP**2, *RESP**3
 95% C.I.= 6.6079E-02 2.5860E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	3310000	3170000	4.4
939121-B5*23	3330000	3170000	5.0

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	29.4	29.2	0.7

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.

STORET: 34521 METHOD: 8310/3520-G BENZO(GH)PERYLENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CALIBRATION CURVE # 1 (UG/L)				LARGEST RESPONSE=5746382 MSD=2.1488				
CURVE DETECTION LIMIT= 0.8		DATE: 24 NOV 1993						
CONC :	0	0.8	1.6	3.2	16	32	80	160
RESP :	0	28925	54531	110186	562640	1124426	2848794	5746382
CONC :	0.221	1.03	1.74	3.29	15.9	31.5	79.6	160
R.T.:	0	34.726	34.533	34.484	34.464	34.427	34.393	34.574

CONC = 2.2051E-01+ 2.7858E-05*RESP, *RESP**2, *RESP**3
 95% C.I.= 2.6865E-01 1.1624E-07
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*22	2990000	2850000	4.9
939121-B5*23	2920000	2850000	2.5

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	127	146	13.0

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELADIFF.

STORET: 34493 METHOD: 8310/3520-G INDENO(1,2,3-CD) PYRENE, UG/L LINE

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CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.5 DATE: 24 NOV 1993 LARGEST RESPONSE=6202414 IRSD=4.6571
 CONC : 0 0.5 1 2 10 20 50 100
 RESP : 0 30059 68825 122943 615879 1222684 3073442 6202414
 CONC: 0.061 0.546 1.17 2.05 10.0 19.8 49.7 100
 R.T.: 0 35.505 35.329 35.344 35.325 35.301 35.235 35.419

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CONC = 6.0505E-02- 1.6144E-05*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.8072E-01 6.4409E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5-22	2930000	3070000	-4.6
939121-B5-23	2960000	3070000	-3.6

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	32.8	31.8	2.1

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF

SURROGATE SPIKE(S)

QC TYPE*RG*SEC	PARAMETER	UNIT	FOUND	TARGET	% RECV
ICV*856841-B*1	97989*SUR TRIPHENYLENE	UG/L	1410	1330	106.0
CCS*939121-B5-22	97989*SUR TRIPHENYLENE	UG/L	509000	519000	98.1
MB*NONE*1	97989*SUR TRIPHENYLENE	UG/L	4.56	4.66	97.8
SP1*NONE*1	97989*SUR TRIPHENYLENE	UG/L	4.69	4.66	100.6
SPM1*CCDMTW*37	97989*SUR TRIPHENYLENE	UG/L	3.84	5.82	48.8
SPM2*CCDMTW*37	97989*SUR TRIPHENYLENE	UG/L	2.49	5.48	45.4
DA*CCDMTW*37	97989*SUR TRIPHENYLENE	UG/L	3.25	4.66	69.7
DA*CCDMTW*22	97989*SUR TRIPHENYLENE	UG/L	3.20	4.66	68.7
CCS*939121-B5-23	97989*SUR TRIPHENYLENE	UG/L	519000	519000	100.0

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SAMPLE RESULTS

	310/3520-G NAPHTHALEN E	310/3520-G ACENAPHTHY LENE	310/3520-G 1-METHYL N APHTHALENE	310/3520-G 2-METHYL N APHTHALENE	310/3520-G ACENAPHTHE NE	310/3520-G FLOORENE	97989* SUR TRIPHENYLE NE	310/3520-G PHENANTHRE NE	310/3520-G ANTHRACENE	310/3520-G FLUORANTHE NE
SAMPLE ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CDDMTW*37	<0.905	<1.52	NR*	NR*	<2.26	<0.235	3.25	<0.061	<0.088	<0.002
CDDMTW*22	<0.905	<1.52	NR*	NR*	<2.26	<0.235	3.20	<0.061	<0.088	0.022
	310/3520-G PYRENE	310/3520-G BENZO(A) AN THRACENE	310/3520-G CHRYSENE	310/3520-G BENZO(B) FL DORANTHENE	310/3520-G BENZO(K) FL DORANTHENE	310/3520-G BENZO(A) PY RENE	310/3520-G DIBEN* (A, H ANTH* CENE	310/3520-G BENZO(GHI) PERYLENE	310/3520-G INDENO(1,2 ,3-CD)	
SAMPLE ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	
CDDMTW*37	<0.025	<0.002	0.189	<0.001	<0.0004	<0.001	<0.003	<0.004	0.007	
CDDMTW*22	<0.025	0.008	<0.030	0.015	0.005	0.010	0.005	<0.004	0.020	

UNITS AND EXAMPLE CALCULATIONS

UNITS ENTERED

FINAL CONCENTRATION UG/L
 INJECTION VOLUME NA
 SAMPLE VOLUME ML
 EXTRACT VOLUME ML
 CURVE CONCENTRATION UG/L
 SPIKE SOLN CONCENTRATION UG/L
 SPIKE VOLUME ML
 SPIKE SAMPLE VOLUME ML
 TARGET CONCENTRATION UG/L
 RESPONSE DESCRIPTION NA
 CONVERSION FACTOR NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} \cdot \text{EXT VOL} \cdot \text{DIL}}{\text{INJ VOL} \cdot \text{SAMP VOL} \cdot ((100 - \% \text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) \cdot (\text{ML})}{(\text{NA}) \cdot (\text{ML})}$$

$$\text{854} = \frac{854 \text{ UG/L} \cdot 20 \text{ ML}}{1 \cdot \text{NA} \cdot 1,000 \text{ ML} \cdot ((100 - 1) / 100)} \text{ NA}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} \cdot \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} \cdot ((100 - \% \text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) \cdot (\text{ML})}{(\text{ML})}$$

NAPHTHALENE

SPINONE 71

AREA = 24,378

R.TIME = 9.700

DILUTION = 1:20

CURVE = #2, LINE

$$(24,378 \times 3.462 \times 10^{-2}) + 10.4 = \underline{854 \text{ UG/L}}$$

Environmental Science and Engineering Analytical Services
Computer QC Checks

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Batch No.: G44589

Analysis Date: 12/05/93

Analyst: BEN JOHNSON

	<u>"Exceptions"</u>	
	<u>Yes</u>	<u>No Comment / Corrective Action</u>
Are ALL units documented in batch?	X	
Analysis holding time within criteria?	X	
Extract holding time within criteria?	X	
No. of calibration standards present acceptable?	X	
Curve correlation coefficient ≥ 0.9957	X	
Calibration curve y-intercept $<$ curve detection limit?	X	
Sample responses within highest standard response?	X	
CCS present?	X	
CCS within acceptance criteria?	X	
ICV present?	X	
ICV within acceptance criteria?	X	
Method blank present?	X	
Method blank within acceptance criteria?	X	
Standard matrix spike present?	X	
Standard matrix spike within acceptance criteria?	X	
Sample matrix spike present?	X	
Sample matrix spike within acceptance criteria?	X	
Sample matrix spike duplicate present?	X	
Sample matrix spike duplicate within acceptance criteria?	X	
Surrogate present?	X	
Surrogate within acceptance criteria?	X	

Note: Any "ND" answer requires a comment.

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Environmental Science and Engineering Analytical Services
Internal QA/QC Checklist For GC and HPLC Analysis

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Batch No.: G44589 Analysis Date: 12/05/93 Analyst: BEN JOHNSON

	"Exceptions"			Comment / Corrective Action
	N/A	Yes	No	
Is the method blank free of contamination? If not, has the data been blank corrected?		/		
Are all analysis free of contamination from previous analysis? If not, does the quality of the data remain unimpaired?		/		
Are calibration curves entered correctly?		/		
Are reported values consistent with the required units?		/		
Are detection limits reported correctly?		/		
Are dilution factors entered correctly?		/		
Is the batch checked for data entry error(s)?		/		
Have sufficient continuing calibration standards (CCS) been analyzed? If not, is an appropriate explanation provided?		/		
Are the CCS within criteria? If not, is an appropriate explanation provided?		/		
Has second column confirmation been performed for all positive identifications made in the primary analysis? Have they been performed within analysis holding time?		/		
Is an example calculation provided?		/		
Has the batch documentation checklist been completed?		/		

Note: Any "NO" answer requires a comment.
Additional Comments:

Completed By: *[Signature]* 2356
Date: 12-15-93

Reviewed By: *[Signature]*
Date: 12/15/93

Notification of appropriate Laboratory Coordinators required for "Exceptions":

Signature	Date	Comments

OVERRIDE COMMENTS

BATCH OVERRIDE BY:

001284

ANALYSIS DATE: 12-05-93 ANALYSIS: BTJ, 2356 BATCH: 044589

UV Data

NAPHTHALENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AU-002.	11/24/93	7:11 PM		
STANDARD939121-05	1AU-003.	11/24/93	8:05 PM	9.067	4757
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	9.033	9993
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	9.061	20078
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	9.017	105278
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	9.033	208378
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	9.050	519802
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	9.102	1019453
ICV*856841-B*1	1AU-010.	11/25/93	2:28 AM	9.017	103766
CCS*939121-B5*21	1AU-171.	12/5/93	2:07 PM	9.607	501497
MB*NONE*1	1AU-172.	12/5/93	3:51 PM		
SPI*NONE*1 1:20	1AU-173.	12/5/93	4:46 PM	9.700	24378
SPM1*CDOMTN*37 1:20	1AU-174.	12/5/93	5:41 PM	9.667	24922
SPM2*CDOMTN*37 1:20	1AU-175.	12/5/93	6:35 PM	9.624	24801
CDOMTN*37	1AU-176.	12/5/93	7:30 PM		
CDOMTN*22	1AU-177.	12/5/93	8:25 PM		
CCS*939121-B5*23	1AU-178.	12/5/93	9:20 PM	9.528	501117
Averages				9.270	236063
%RSD				3.19	131.47

ACENAPHTHYLENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AU-002.	11/24/93	7:11 PM		
STANDARD939121-05	1AU-003.	11/24/93	8:05 PM	10.533	5487
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	10.485	11209
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	10.500	23239
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	10.467	118058
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	10.483	236255
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	10.483	582046
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	10.550	1144417
ICV*856841-B*1	1AU-010.	11/25/93	2:28 AM	10.467	100395
CCS*939121-B5*22	1AU-171.	12/5/93	2:07 PM	11.151	571107
MB*NONE*1	1AU-172.	12/5/93	3:51 PM		
SPI*NONE*1 1:20	1AU-173.	12/5/93	4:46 PM	11.250	15802
SPM1*CDOMTN*37 1:20	1AU-174.	12/5/93	5:41 PM	11.200	15693
SPM2*CDOMTN*37 1:20	1AU-175.	12/5/93	6:35 PM	11.130	15726
CDOMTN*37	1AU-176.	12/5/93	7:30 PM		
CDOMTN*22	1AU-177.	12/5/93	8:25 PM		
CCS*939121-B5*23	1AU-178.	12/5/93	9:20 PM	11.023	570337
Averages				10.748	262290
%RSD				3.13	134.20

1-METHYL NAPHTHALENE					
Sample Name	File Name	Date Of	Time Of	Ret. Time	Area

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		Injection	Injection	[Min]		
CH3CN	1AU-002.	11/24/93	7:11 PM			
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	11.523	6696	
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	11.476	12444	
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	11.498	25229	
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	11.481	127006	
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	11.498	251882	
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	11.489	621005	
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	11.548	1214506	
ICV*856841-B*1	1AU-010.	11/25/93	2:28 AM	11.492	120590	
CCS*939121-B5*22	1AU-171.	12/5/93	2:07 PM	12.202	598953	
MS*NONE*1	1AU-172.	12/5/93	3:51 PM			
SF1*NONE*1 1:20	1AU-173.	12/5/93	4:46 PM			
SPM1*CODMTW*37 1:20	1AU-174.	12/5/93	5:41 PM			
SPM2*CODMTW*37 1:20	1AU-175.	12/5/93	6:35 PM			
CODMTW*37	1AU-176.	12/5/93	7:30 PM			
CODMTW*22	1AU-177.	12/5/93	8:25 PM			
CCS*939121-B5*23	1AU-178.	12/5/93	9:20 PM	12.051	602713	
Averages				11.626	358102	
%RSD				2.30	109.95	

2-METHY. NAPHTHALENE						
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area	
CH3CN	1AU-002.	11/24/93	7:11 PM			
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	12.030	5645	
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	11.983	9727	
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	12.014	19802	
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	11.997	100034	
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	12.013	199141	
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	12.002	487266	
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	12.055	959329	
ICV*856841-B*1	1AU-010.	11/25/93	2:28 AM	12.007	79116	
CCS*939121-B5*22	1AU-171.	12/5/93	2:07 PM	12.729	478883	
MS*NONE*1	1AU-172.	12/5/93	3:51 PM			
SF1*NONE*1 1:20	1AU-173.	12/5/93	4:46 PM			
SPM1*CODMTW*37 1:20	1AU-174.	12/5/93	5:41 PM			
SPM2*CODMTW*37 1:20	1AU-175.	12/5/93	6:35 PM			
CODMTW*37	1AU-176.	12/5/93	7:30 PM			
CODMTW*22	1AU-177.	12/5/93	8:25 PM			
CCS*939121-B5*23	1AU-178.	12/5/93	9:20 PM	12.564	476116	
Averages				12.139	281506	
%RSD				2.23	110.94	

ACENAPHTHENE						
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area	
CH3CN	1AU-002.	11/24/93	7:11 PM			
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	12.653	7127	
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	12.598	12232	
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	12.630	25085	
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	12.613	126252	
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	12.633	250368	
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	12.617	608534	

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STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	12.656	1137477
ICV#B56B41-B*1	1AU-010.	11/25/93	2:28 AM	12.632	122750
CCS#939121-B5*22	1AU-171.	12/5/93	2:07 PM	13.361	595807
MB#NONE*1	1AU-172.	12/5/93	3:51 PM	-----	-----
SP1#NONE*1 1:20	1AU-173.	12/5/93	4:46 PM	13.433	13081
SPM1#CDDMTW*37 1:20	1AU-174.	12/5/93	5:41 PM	13.367	12335
SPM2#CDDMTW*37 1:20	1AU-175.	12/5/93	6:35 PM	13.304	11445
CDDMTW*37	1AU-176.	12/5/93	7:30 PM	-----	-----
CDDMTW*22	1AU-177.	12/5/93	8:25 PM	-----	-----
CCS#939121-B5*23	1AU-178.	12/5/93	9:20 PM	13.188	587563
Averages				12.899	270004
%SD				2.79	131.45

FLUORENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time (Min)	Area
CH3CN	1AU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	13.158	6452
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	13.102	11647
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	13.13E	24137
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	13.118	124281
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	13.141	247512
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	13.123	606321
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	13.166	1198653
ICV#B56B41-B*1	1AU-010.	11/25/93	2:28 AM	13.136	133368
CCS#939121-B5*22	1AU-171.	12/5/93	2:07 PM	13.883	592743
MB#NONE*1	1AU-172.	12/5/93	3:51 PM	-----	-----
SP1#NONE*1 1:20	1AU-173.	12/5/93	4:46 PM	13.950	39487
SPM1#CDDMTW*37 1:20	1AU-174.	12/5/93	5:41 PM	13.883	34516
SPM2#CDDMTW*37 1:20	1AU-175.	12/5/93	6:35 PM	13.81E	32266
CDDMTW*37	1AU-176.	12/5/93	7:30 PM	-----	-----
CDDMTW*22	1AU-177.	12/5/93	8:25 PM	-----	-----
CCS#939121-B5*23	1AU-178.	12/5/93	9:20 PM	13.693	598827
Averages				13.409	280821
%SD				2.72	129.55

TRIPHENYLENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time (Min)	Area
CH3CN	1AU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	21.100	4823
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	21.100	10349
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	21.067	20812
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	21.083	105193
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	21.050	211983
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	21.033	518742
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	21.133	1014410
ICV#B56B41-B*1	1AU-010.	11/25/93	2:28 AM	20.967	70133
CCS#939121-B5*22	1AU-171.	12/5/93	2:07 PM	21.683	508813
MB#NONE*1	1AU-172.	12/5/93	3:51 PM	21.917	440392
SP1#NONE*1 1:20	1AU-173.	12/5/93	4:46 PM	21.883	23167
SPM1#CDDMTW*37 1:20	1AU-174.	12/5/93	5:41 PM	21.700	1104E
SPM2#CDDMTW*37 1:20	1AU-175.	12/5/93	6:35 PM	21.601	10238
CDDMTW*37	1AU-176.	12/5/93	7:30 PM	21.517	315179
CDDMTW*22	1AU-177.	12/5/93	8:25 PM	21.517	309717

001287

CCS*939121-B5*23 140-376. 12/5/93 9:20 PM 21.483 519115

Averages	21.365	255882
%RSD	1.54	111.93

ASDC1 File Created Successfully - Stored in: C:\2700\DATA3\G44589UA.prt

=====

Sample Name	: CH3CN	Time	: 12/5/93 1:19 PM
Sample Number	: 2	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 7:11 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-002.raw
Result File : D:\TEMP\TERS2A70.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Missing Component Report

Chromatogram

48 68

FileName : C:\2700\DATA\1AU-002.raw

Date : 12/5/93 1:19 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

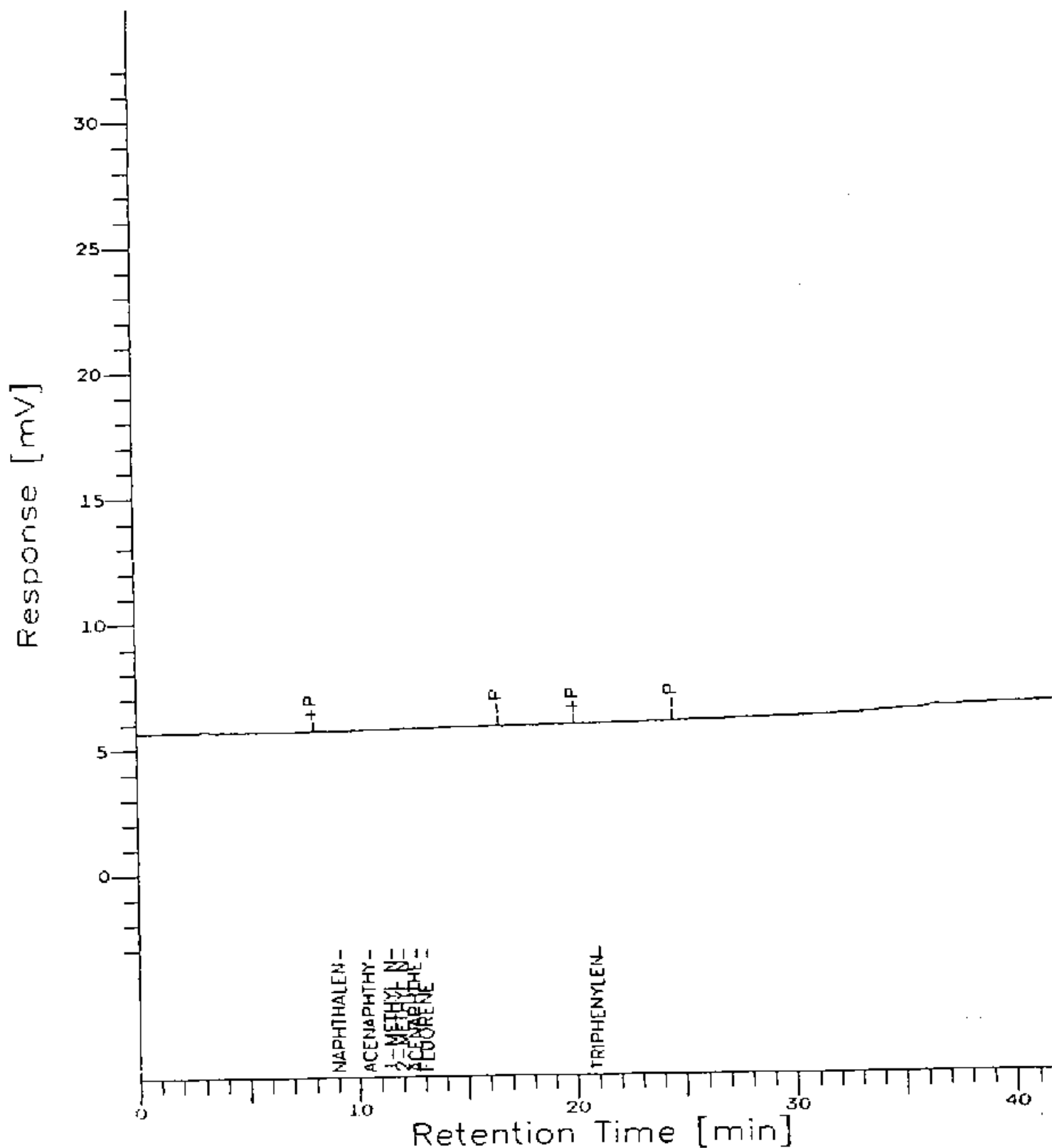
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001290

=====

Sample Name	: STANDARD939121-D5	Time	: 12/5/93 1:19 PM
Sample Number	: 3	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 8:05 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-003.raw
Result File : D:\TEMP\TERS025E.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.pro
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	4757	336.36	BB
2	ACENAPHTHYLENE	10.5	5487	369.16	BB
3	1-METHYL NAPHTHALENE	11.5	6696	443.35	MM
4	2-METHYL NAPHTHALENE	12.0	5645	368.03	MM
5	ACENAPHTHENE	12.7	7127	447.36	MM
6	FLUORENE	13.2	6452	445.42	MM
7		16.1	7254	555.30	BB
8	TRIPHENYLENE	21.1	4823	350.30	BB
			48241	3315.28	

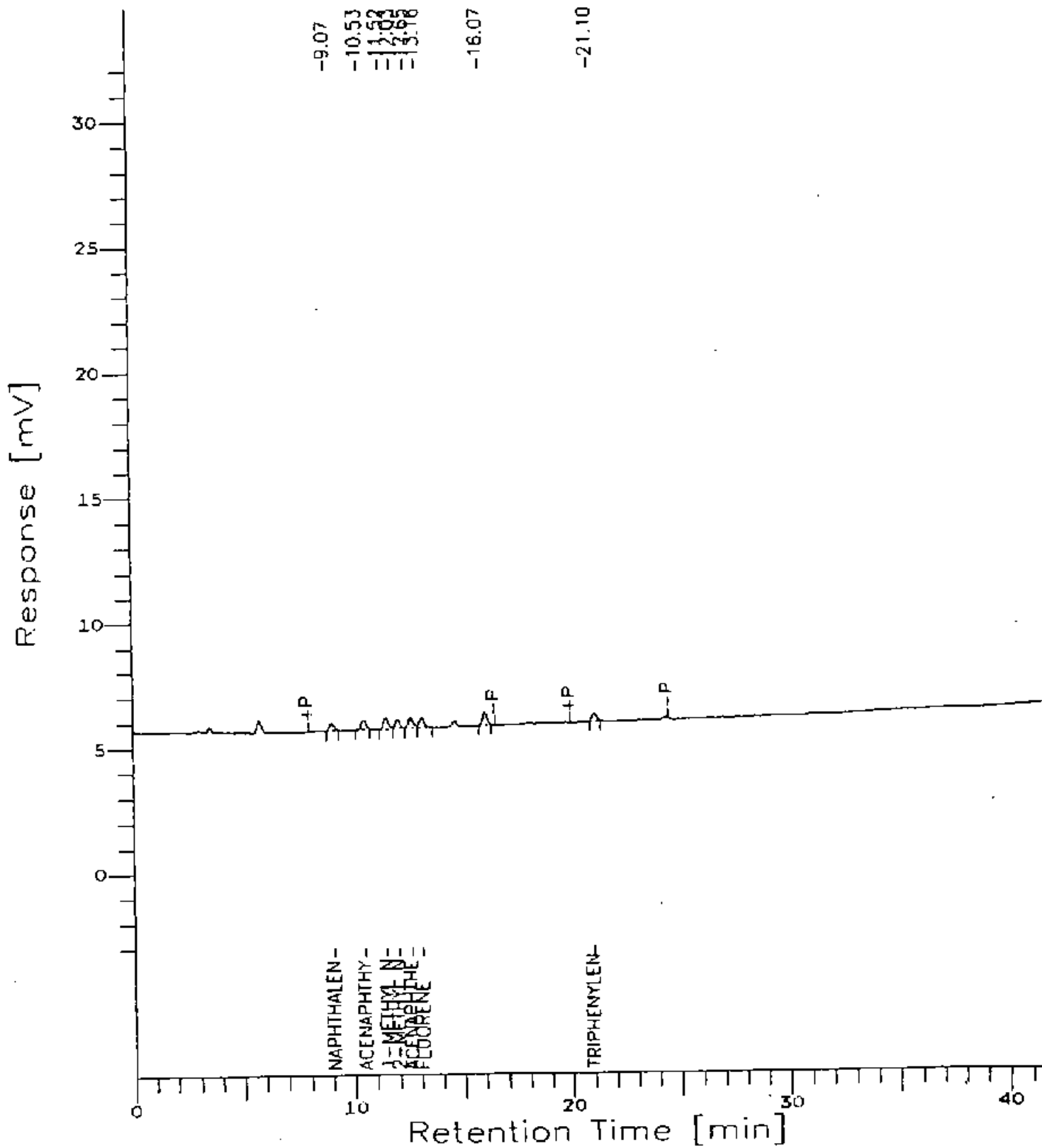
Chromatogram

48 70

FileName : C:\2700\DATA1\1AU-003.raw
 Start Time : 0.00 min End Time : 42.00 min
 Scale Factor: 0 Plot Offset: -3 mV

Date : 12/5/93 1:19 PM
 Low Point : -3.00 mV
 Plot Scale: 35 mV

Page 1 of 1
 High Point : 32.00 mV



001292

=====

Sample Name : STANDARD939121-C Time : 12/5/93 1:18 PM
 Sample Number: 4 Study :
 Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:00 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-004.raw
 Result File : D:\TEMP\TERS391D.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	SL
1	NAPHTHALENE	9.0	9993	657.24	BB
2	ACENAPHTHYLENE	10.5	11209	736.80	MM
3	1-METHYL NAPHTHALENE	11.5	12444	869.87	MM
4	2-METHYL NAPHTHALENE	12.0	9727	687.94	MM
5	ACENAPHTHENE	12.6	12232	843.10	MM
6	FLUORENE	13.1	11647	840.57	MM
7		14.6	6407	471.50	BB
8		16.0	15206	1145.11	BB
9	TRIPHENYLENE	21.1	10349	721.60	BB
			99214	6973.73	

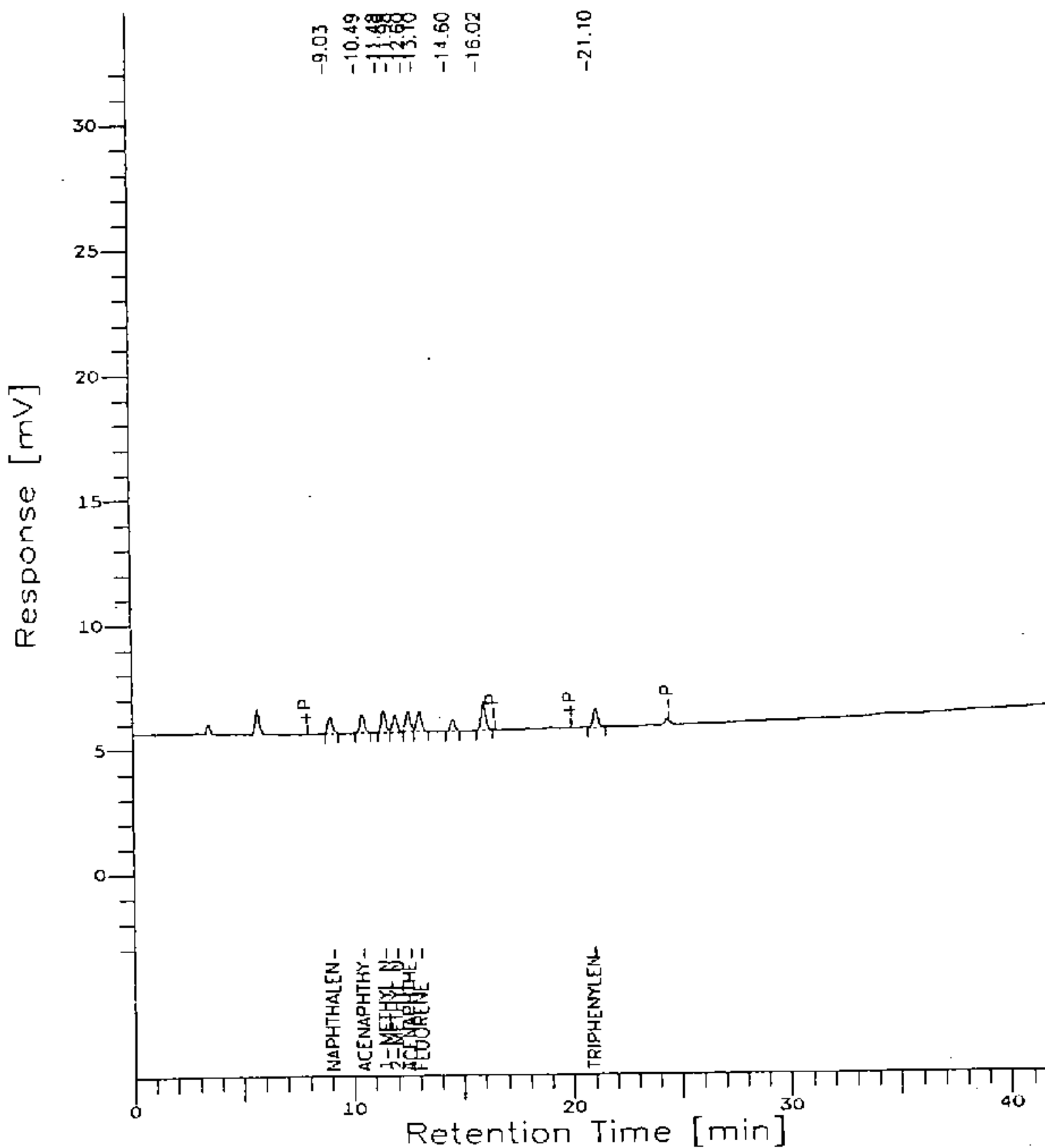
=====

Chromatogram

FileName : C:\2700\DATA1\1AU-004.raw
Start Time : 0.00 min End Time : 42.00 min
Scale Factor: 0 Plot Offset: -3 mV

Date : 12/5/93 1:18 PM
Low Point : -3.00 mV
Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



001294

```

=====
Sample Name   : STANDARD939121-C2      Time       : 12/5/93  1:18 PM
Sample Number: 5                      Study      :
Operator      :

```

```

Interface #   : 1          Channel : A      A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 11/24/93  9:55 PM
Delay Time       : 0.00   min.
End Time         : 42.00   min.
Sampling Rate    : 1.0000   pts/sec

```

```

Raw Data File   : C:\2700\DATA1\1AU-005.raw
Result File     : D:\TEMP\TERS1623.rst
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHUV.prc
Sample File     : C:\2700\DATA\PAHUV.smp
Sequence File   : C:\2700\DATA\default.seq

```

```

Inj. Volume     : 1          ul      Area Reject      : 2000.00
Sample Amount   : 1.0000

```

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	20078	1341.60	MM
2	ACENAPHTHYLENE	10.5	23239	1524.25	BB
3	1-METHYL NAPHTHALENE	11.5	25229	1762.79	MM
4	2-METHYL NAPHTHALENE	12.0	19802	1384.50	MM
5	ACENAPHTHENE	12.6	25085	1725.55	MM
6	FLUORENE	13.1	24137	1714.48	MM
7		14.7	12449	945.74	BB
8		16.0	30751	2322.46	BB
9	TRIPHENYLENE	21.1	20812	1473.21	BB
10		24.3	7157	446.14	BB
			208739	14640.73	

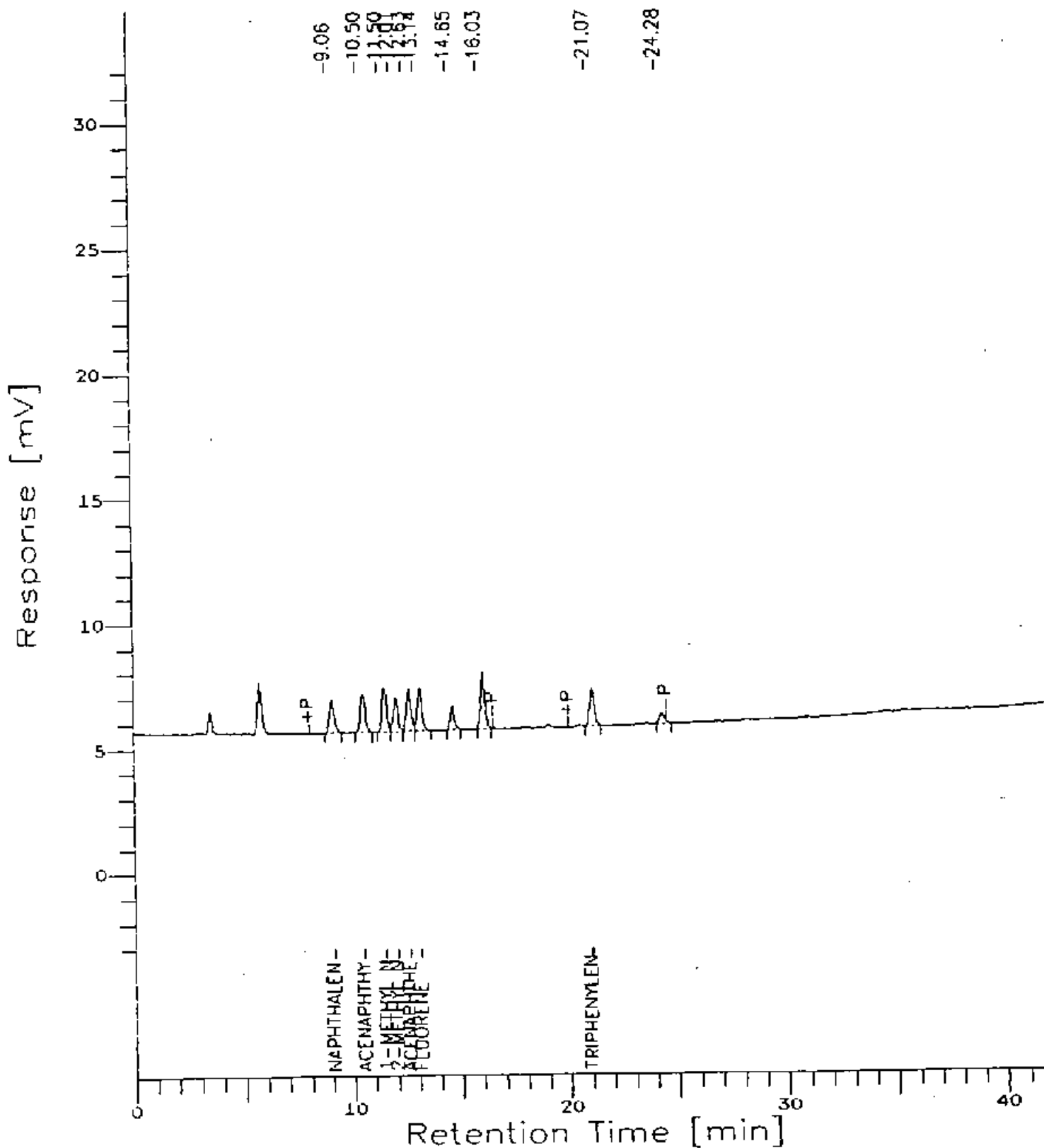
Chromatogram

48 74

FileName : C:\2700\DATA1\1AU-005.raw
 Start Time : 0.00 min End Time : 42.00 min
 Scale Factor: 0 Plot Offset: -3 mV

Date : 12/5/93 1:18 PM
 Low Point : -3.00 mV
 Plot Scale: 35 mV

Page 1 of 1
 High Point : 32.00 mV



001296

=====

Sample Name : STANDARD939121-B Time : 12/5/93 1:18 PM
 Sample Number: 6 Study :
 Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 10:50 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-006.raw
 Result File : D:\TEMP\TERSOF41.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	105278	6790.82	BB
2	ACENAPHTHYLENE	10.5	118058	7589.08	BB
3	1-METHYL NAPHTHALENE	11.5	127006	8779.94	MM
4	2-METHYL NAPHTHALENE	12.0	100034	6932.33	MM
5	ACENAPHTHENE	12.6	126252	8624.65	MM
6	FLUORENE	13.1	124281	8763.63	MM
7		14.6	66505	4891.13	BB
8		16.0	157941	11644.35	BB
9	TRIPHENYLENE	21.1	105193	7460.89	BB
10		24.3	37457	2276.67	BB

1068004 73753.48

Chromatogram

48 76

FileName : E:\2700\DATA1\IAU-006.raw

Date : 12/5/93 1:18 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

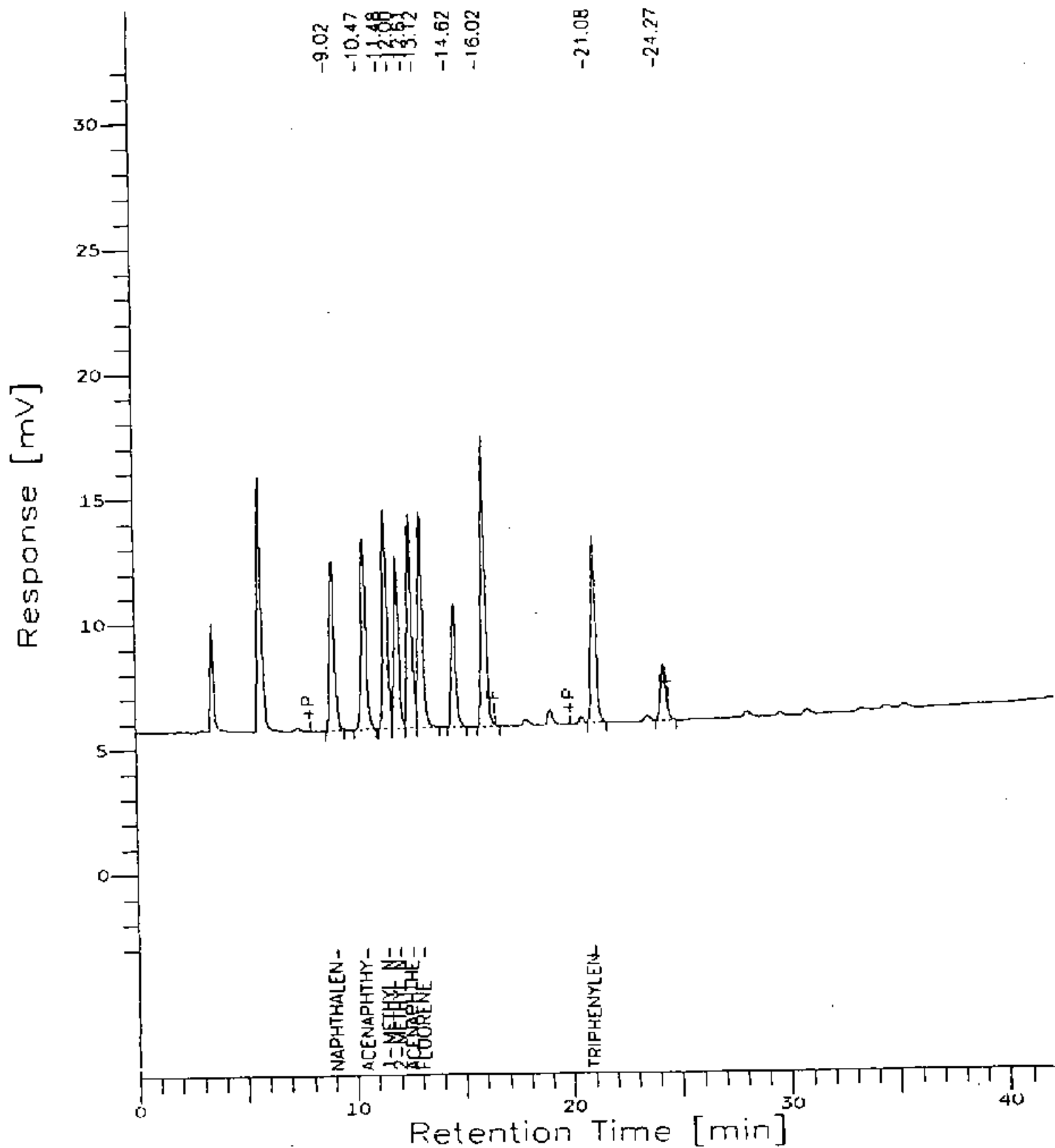
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001298

=====

Sample Name : STANDARD939121-B2	Time : 12/5/93 1:17 PM
Sample Number: 7	Study :
Operator :	

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 11:44 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-007.raw
 Result File : D:\TEMP\TERS2B0D.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	208378	13434.28	BB
2	ACENAPHTHYLENE	10.5	236255	15110.59	BB
3	1-METHYL NAPHTHALENE	11.5	251882	17401.86	MM
4	2-METHYL NAPHTHALENE	12.0	199141	13780.40	MM
5	ACENAPHTHENE	12.6	250368	17006.07	MM
6	FLUDRENE	13.1	247512	17237.48	MM
7		14.7	130811	9648.21	BB
8		16.1	310859	22820.57	BB
9		20.5	6971	527.43	BV
10	TRIPHENYLENE	21.1	211983	14981.67	VB
11		23.5	8412	450.72	BV
12		24.2	74708	4536.53	VB

2137278 146935.81

Chromatogram

48 78

Filename : C:\2700\DATA1\IAU-007.raw

Date : 12/5/93 1:17 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

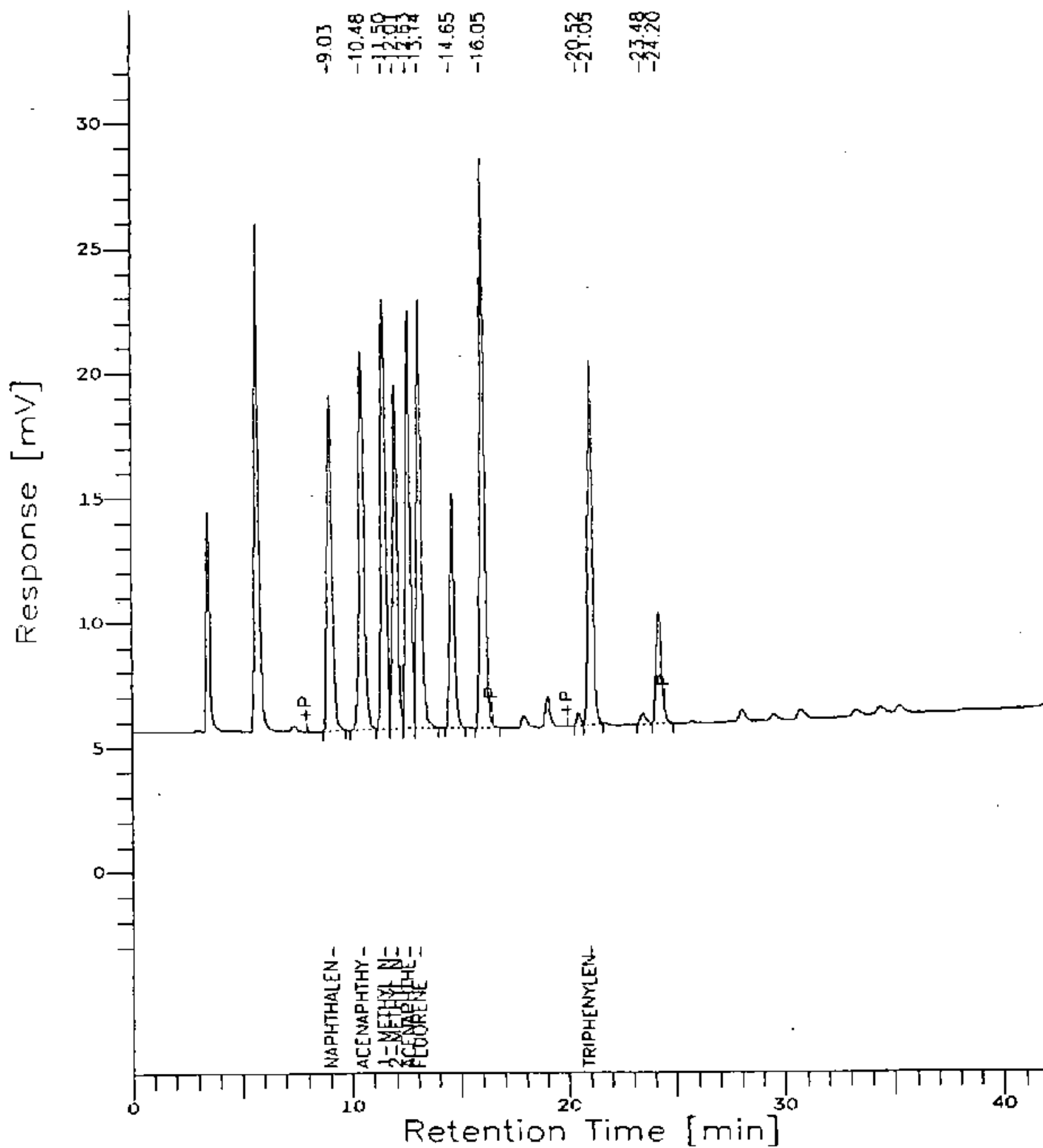
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001300

=====

Sample Name	: STANDARD939121-B5	Time	: 12/5/93 1:17 PM
Sample Number	: 8	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 12:39 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-008.raw
Result File : D:\TEMP\TERS0516.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	519802	33576.56	BB
2	ACENAPHTHYLENE	10.5	582046	37324.28	BB
3	1-METHYL NAPHTHALENE	11.5	621005	42951.42	MM
4	2-METHYL NAPHTHALENE	12.0	487266	34016.09	MM
5	ACENAPHTHENE	12.6	608534	41563.38	MM
6	FLUORENE	13.1	606321	42786.88	MM
7		14.6	325581	24009.57	BB
8		16.0	734619	53378.94	BB
9		20.5	17382	1304.30	BV
10	TRIPHENYLENE	21.0	518742	36591.65	VB
11		23.5	21441	1134.72	BV
12		24.2	184050	11177.38	VB

5226788 359815.19

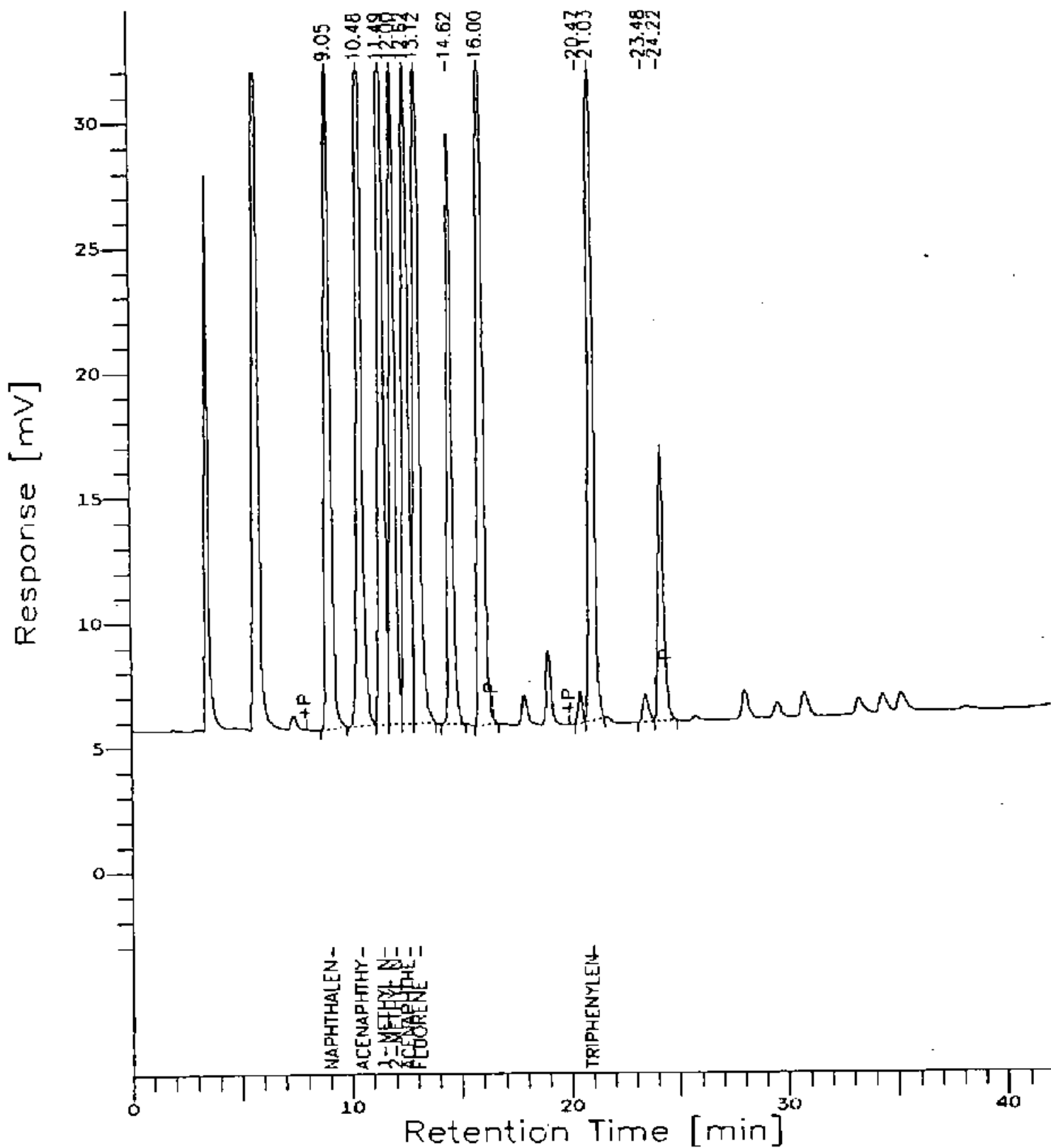
Chromatogram

48 80

FileName : C:\2700\DATA1\LAU-008.raw
Start Time : 0.00 min End Time : 42.00 min
Scale Factor: 0 Plot Offset: -3 mV

Date : 12/5/93 1:17 PM
Low Point : -3.00 mV
Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



001302

=====

Sample Name : STANDAR0939121-A Time : 12/5/93 1:16 PM
 Sample Number: 9 Study :
 Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 1:34 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-009.raw
 Result File : D:\TEMP\TERS2603.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	1019453	65725.91	BB
2	ACENAPHTHYLENE	10.6	1144417	73968.26	BB
3	1-METHYL NAPHTHALENE	11.6	1214506	84722.90	MM
4	2-METHYL NAPHTHALENE	12.1	959329	67330.13	MM
5	ACENAPHTHENE	12.7	1137477	79338.59	MM
6	FLUORENE	13.2	1198653	84721.16	MM
7		14.7	637545	46578.88	BB
8		16.1	1404711	98916.10	BB
9		20.6	35225	2598.58	BV
10	TRIPHENYLENE	21.1	1014410	71202.23	VB
11		23.6	43926	2261.40	BV
12		24.4	371426	22003.21	VB

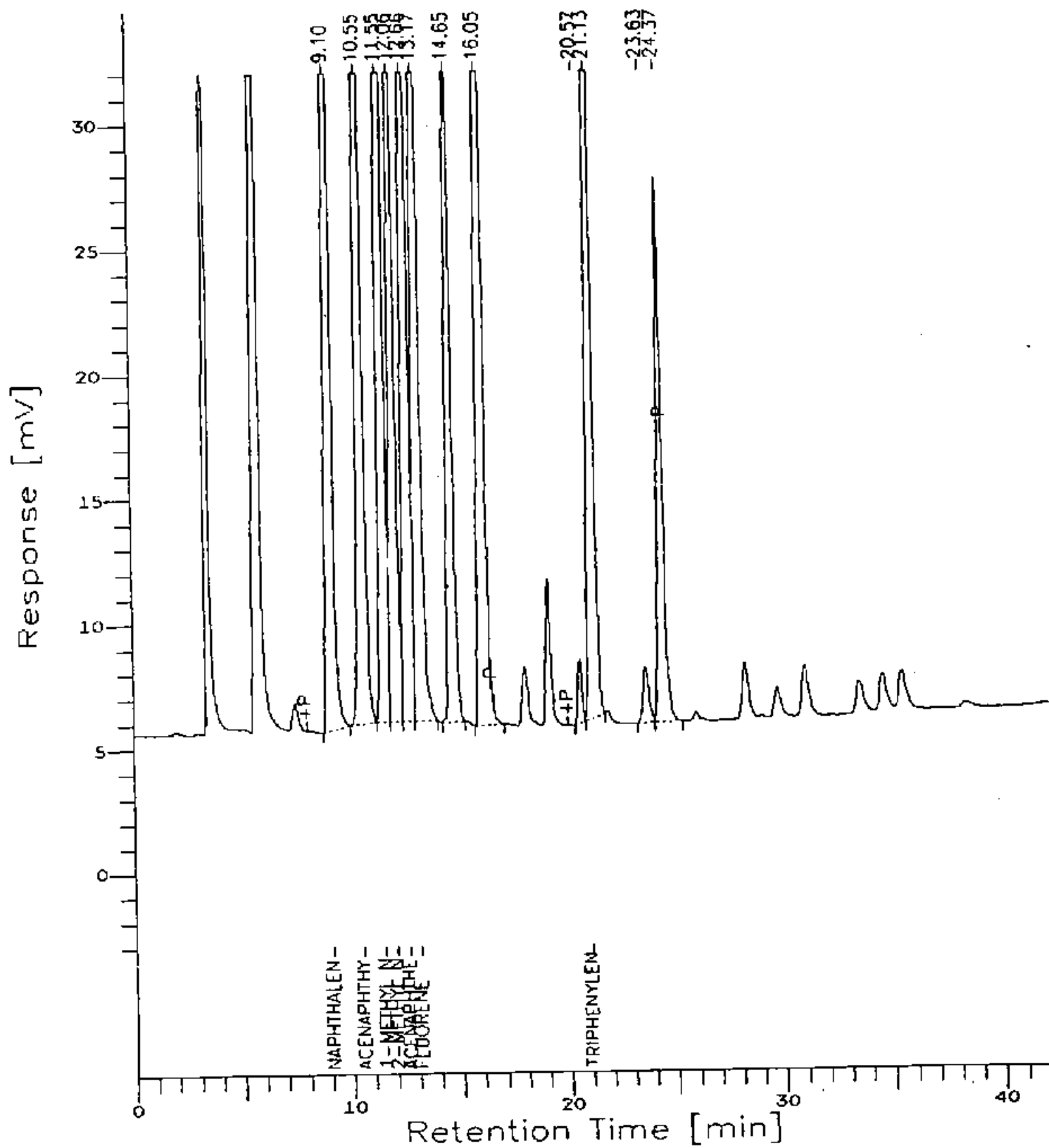
10181077 699367.31

Chromatogram

FileName : C:\Z700\DATA1\1AU-009.raw
Start Time : 0.00 min End Time : 42.00 min
Scale Factor: 0 Plot Offset: -3 mV

Date : 12/5/93 1:16 PM
Low Point : -3.00 mV
Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



001304

=====

Sample Name	: ICV*856841-B*1	Time	: 12/5/93 1:16 PM
Sample Number	: 10	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 2:28 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-010.raw
Result File : D:\TEMP\TERS1037.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	103766	6669.93	MM
2	ACENAPHTHYLENE	10.5	100395	6389.64	BB
3	1-METHYL NAPHTHALENE	11.5	120590	8313.27	MM
4	2-METHYL NAPHTHALENE	12.0	79118	5473.22	MM
5	ACENAPHTHENE	12.6	122750	8357.12	MM
6	FLUORENE	13.1	133368	9306.15	MM
7		14.7	37996	2836.50	BB
8		16.0	70316	5303.06	BB
9	TRIPHENYLENE	21.0	70133	4981.00	BB
10		24.1	16463	1030.64	BB
				854895	58660.54

=====

Chromatogram

FileName : C:\2700\DATA1\1AU-010.raw

Date : 12/5/93 1:16 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

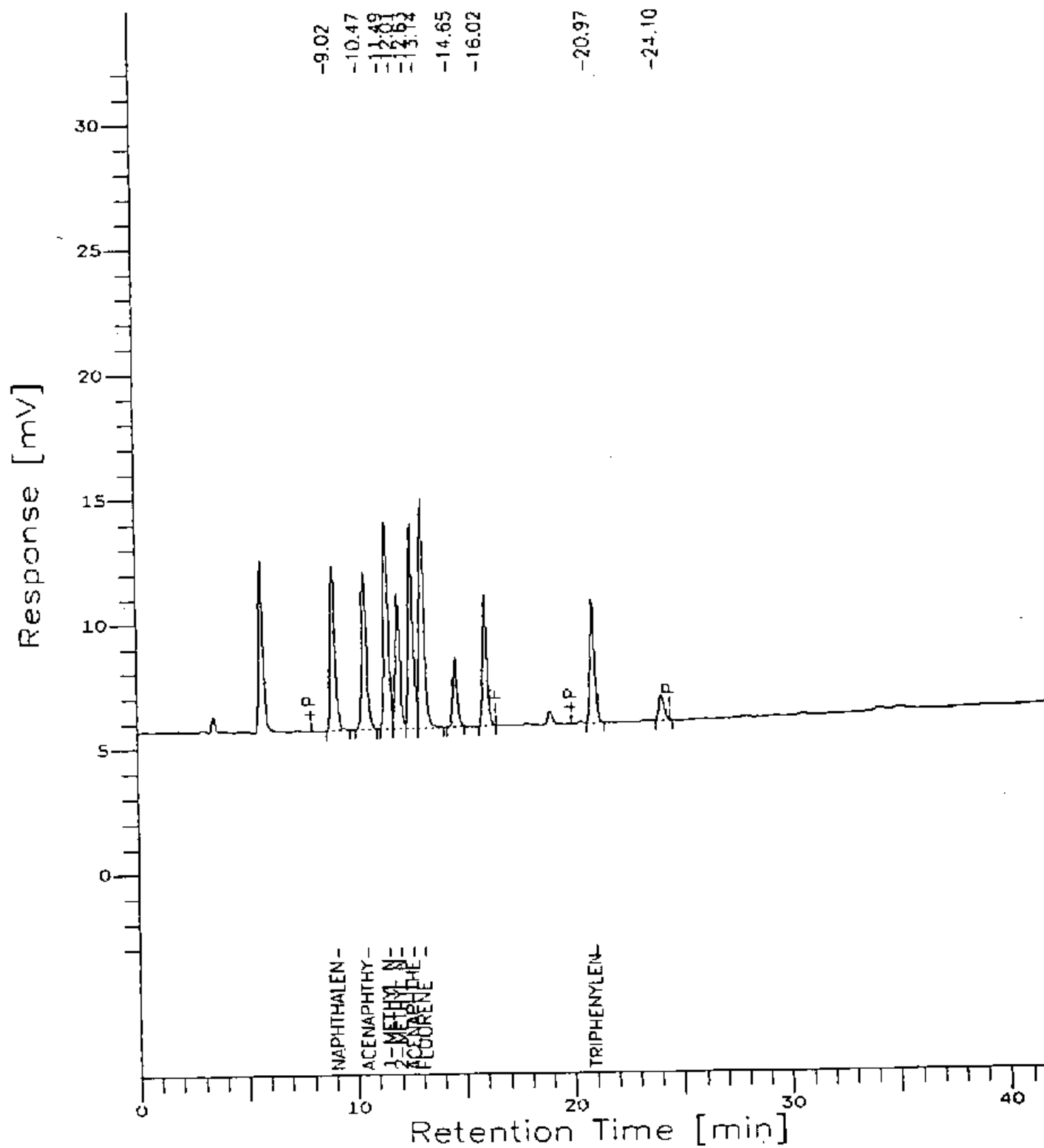
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001306

=====

Sample Name : DCS1939121-B5472 Time : 12/15/93 11:56 AM
 Sample Number : 171 Study :
 Operator :

Interface R : 1 Channel : A A/D mV Range : 1000
 Autosampler : None attached
 Ret X/Vol : 0/0

Data Acquisition Time: 12/1/93 2:07 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AUF171.raw
 Result File : C:\TEMP\TERSAS50.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default1.seq

Int. Volume : 1 ul Area Report : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time min	Area 10V-sect	Height 10V	BL
1	NAPHTHOL	9.6	501497	20310.00	HR
2	ACENAPHTHYLENE	11.2	571107	20100.25	HR
3	1-METHYLNAPHTHOL	12.2	508993	20251.56	HR
4	2-METHYLNAPHTHOL	12.7	478085	20367.45	HR
5	ACENAPHTHENE	13.8	595607	22477.40	HR
6	FLUORENE	13.9	522746	20722.23	HR
7		16.7	17336	819.33	HR
8		18.7	43772	2106.78	HR
9		21.1	17821	842.37	HR
10	1-METHYLNAPHTHENE	21.7	508316	24445.95	HR

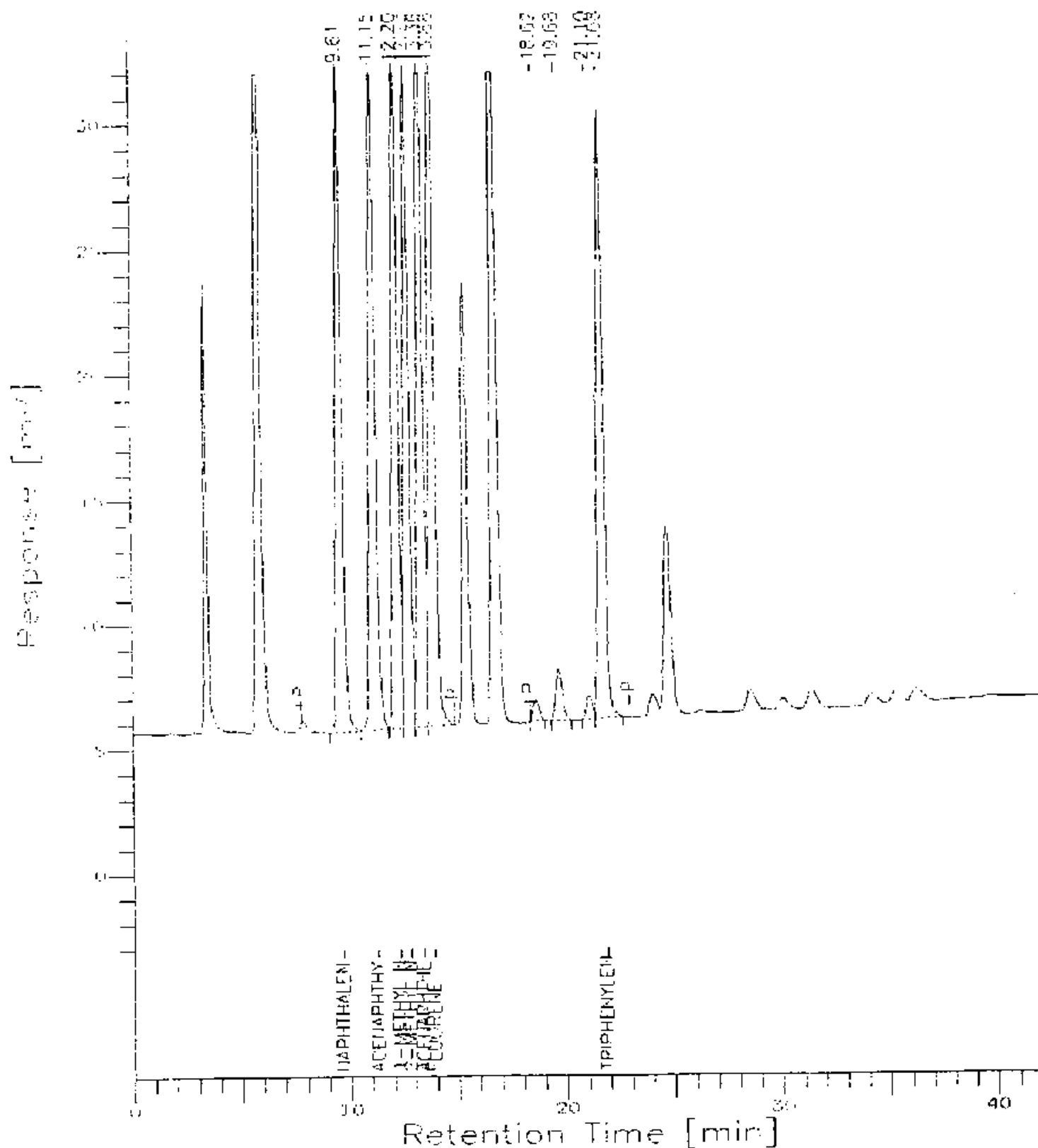
3926758 210780.14

Chroma Lograph

File Name : C:\ProgramData\TAN\TAN171121.dwg
 Start Time : 11:00 min End Time : 12:00 min
 Scale Factor : 0 Plot Offset : 0.00

Date : 12/15/93 1:56 AM
Low Point : -3.00 mV
Plot Scale: 33 mV

Page 1 of 1
High Point: 32.00 mV



001308

```
=====
Sample Name   : M44M000F01          Time       : 12/15/93  10:26 AM
Sample Number : 172                  Study        :
Operator      :
```

```

Injection #   : 1          Channel : A          A/D mV Range : 1000
AutoCaliper   : None attached
Peak/Volat    : 0/0
```

```

Data Acquisition Time: 12/5/93  3:51 PM
Delay Time       : 0.00 min.
End Time         : 42.00 min.
Sampling Rate    : 1.0000 pps/sec
```

```

Raw Data File   : C:\2700\DATA1\DAU-172.raw
Result File     : D:\TEMP\T1R3162A.res
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHUV.pro
Sample File     : C:\2700\DATA\PAHUV.smp
Sequence File   : C:\2700\DATA\PAHUV.seq
```

```

Int. Volume     : 1          IP          Area Reject : 2000.00
Sample Count    : 1,000
```

```
=====
```

ANALYSIS REPORT

Peak	Component	Ret. Time	Area	Height
1	172	min	[mV-sec]	[mV]
1	TRIPHENYLENE	21.9	440397	203.50
			440397	203.50

Chromatogram

File Name : C:\2700\DATA\1ALH-172.raw

Date : 12/15/93 10:26 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

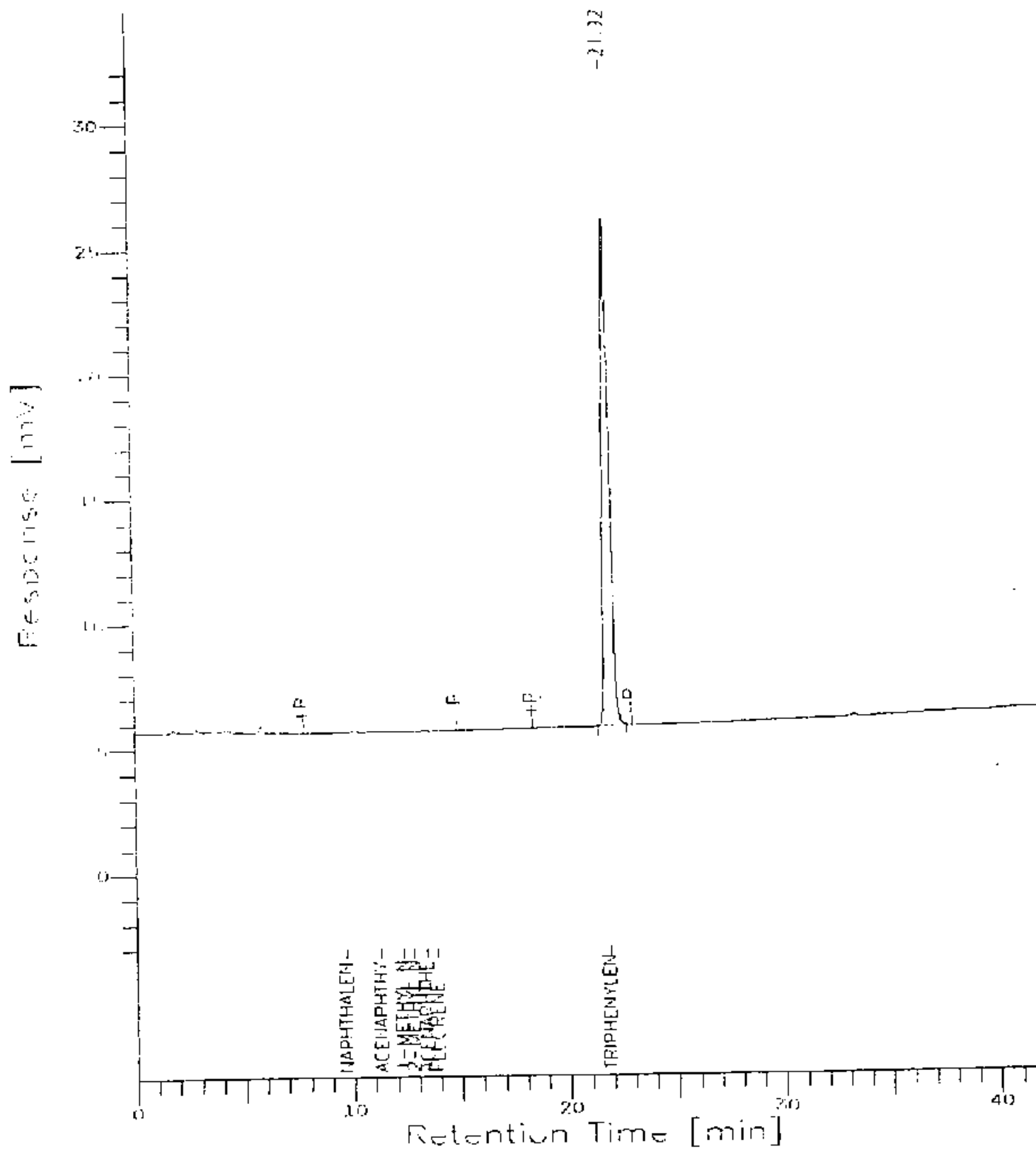
Low Point : -3.00 mV

High Point : 32.00 mV

Scale factor : 0

Print Offset : -3 mV

Print Scale: 35 mV



001310

=====

Sample Name : 3P14H5N1.11-1120 Time : 12/15/93 10:25 AM

Sample Number : 173 Study :

Operator :

Interface B : 1 Channel : A A/D mV Range : 1000

Auto/Manual : None Attached

Rock/Vial : 0/0

Data Acquisition Time: 12/5/93 4:46 PM

Delay Time : 0.00 min.

End Time : 42.00 min.

Sampling Rate : 11.0000 pts/sec

Raw Data File : C:\2700\DATA\1A0-173.raw

Result File : D:\TEMP\TNS1430.rst

Instrument File: C:\2700\DATA\PARM.V.ins

Process File : C:\2700\DATA\PARM.V.prc

Sample File : C:\2700\DATA\PARM.V.smp

Sequence File : C:\2700\DATA\Default.seq

Int. Volume : 1 Int. Area Reject : 2000.00

Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min.]	Area [mV-sec.]	Height [mV]	IS
1	ACETOPHENONE	9.7	24371	1339.75	CH
2	ACETOPHENONE	11.5	19101	915.76	CH
3	ACETOPHENONE	13.4	13085	734.85	OV
4	FLUORIDE	14.0	39437	2277.15	VS
5		21.3	8542	293.56	IV
6	ACETOPHENONE	21.9	23167	1165.64	VS
			121457	6722.71	

Chromatogram

File Name: C:\A2000\DATA\1761-1771.raw

Date: 12/15/93 10:25 AM

Page 1 of 1

Start Time: 0.00 min

End Time: 42.00 min

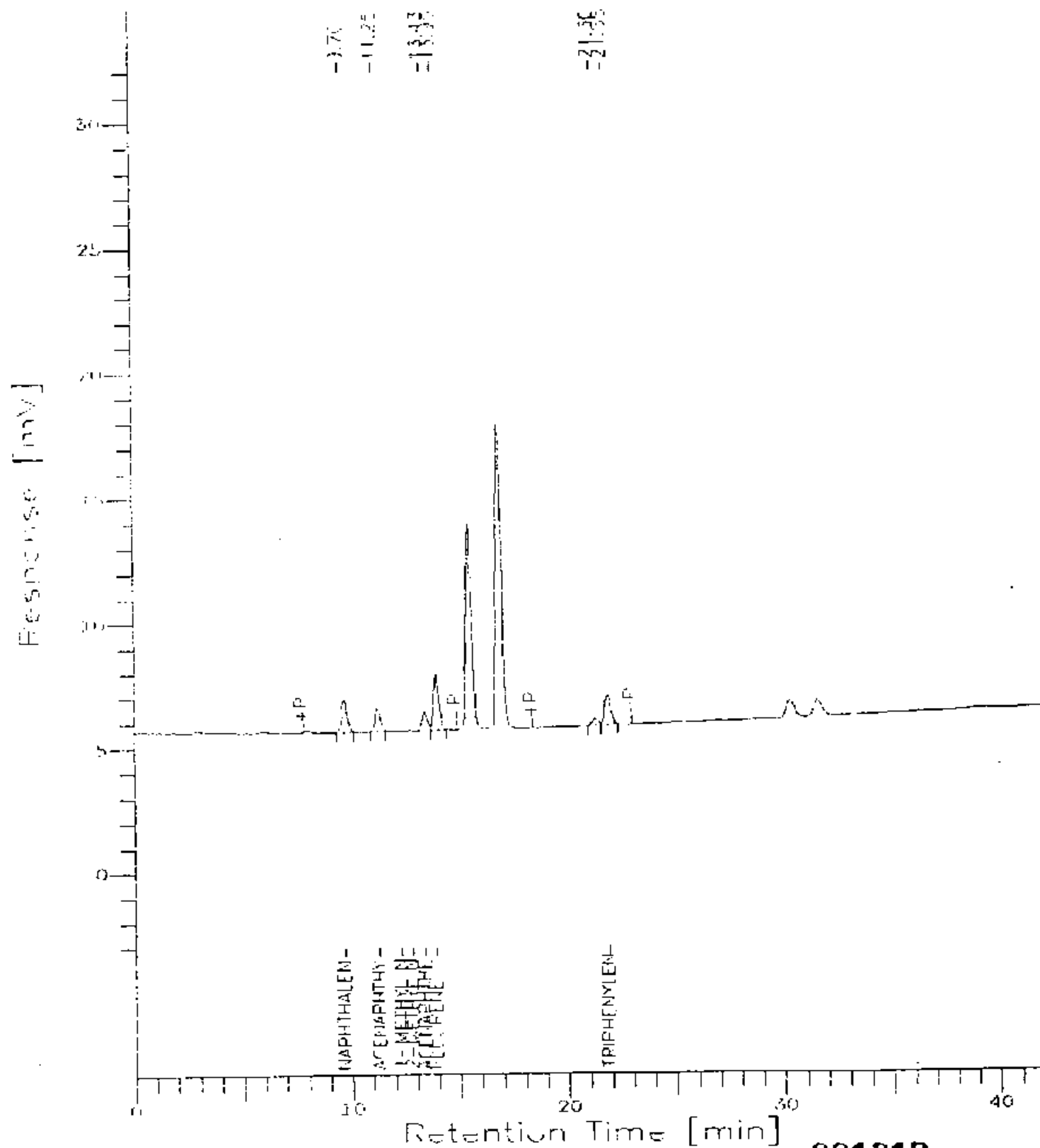
Low Point: -3.00 mV

High Point: 32.00 mV

Sample Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001312

=====

Sample Name : SPH-40004TW#57 1170 Time : 12/15/95 10:24 AM
 Sample Number : 174 Study :
 Operator :

Interface B : 1 Channel : A A/D mV Range : 1000
 AutoRange : On Range Attached
 Rack/Volt : 0/0

Data Acquisition Time: 12/5/93 5:41 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-174.raw
 Result File : D:\TEMP\ERS1E90.rst
 Instrument File : C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.pro
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 1 of Area Rejected : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time (min)	Area (uV-sec)	Height (uV)	PI
1	PHENOL	7.7	24975	1372.82	80
2	PHENOL	11.2	15693	872.00	81
3	PHENOL	13.4	12331	711.42	82
4	PHENOL	13.9	34916	2005.15	83
5	PHENOL	21.1	2672	172.05	84
6	PHENOL	21.7	11048	568.98	85
				101586	5750.42

Chromatogram

48

92

File Name : C:\2000\test\015150-174.mw

Date : 12/15/03 10:24 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

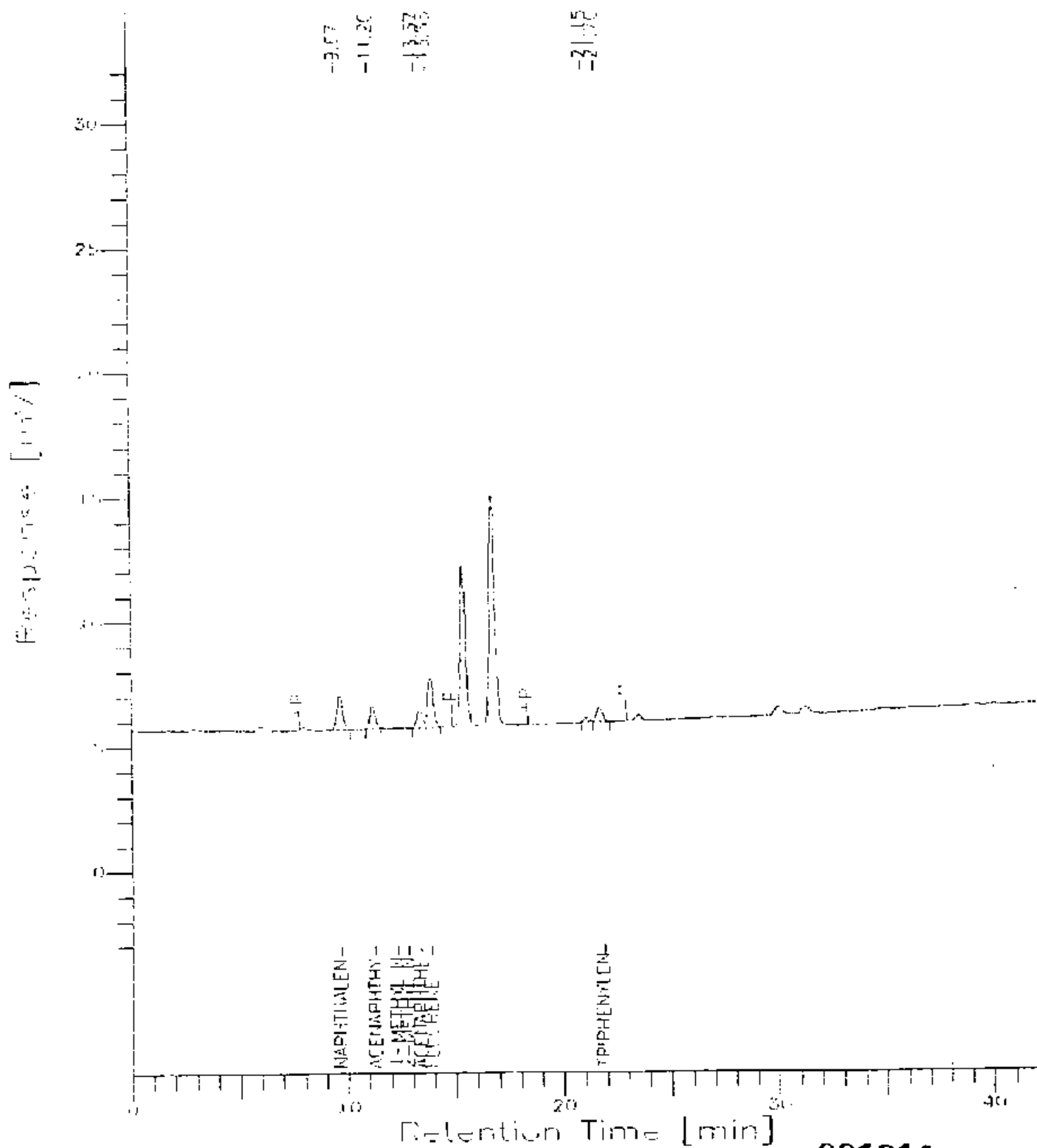
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale : 35 mV



001314

=====

Sample Name : SP424CDPH1W137 1:20 Time : 12/15/93 10:21 AM
 Sample Number : 175 Study :
 Operator :

Interleave # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 6:35 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\MAU-175.raw
 Result File : D:\1ENR\TERSIF3A.res
 Instrument File: C:\2700\DATA\PARUV.ins
 Process File : C:\2700\DATA\PARUV.pro
 Sample File : C:\2700\DATA\PARUV.smp
 Sequence File : C:\2700\DATA\Default.L000

Unit Volume : 1.0000 Area Report : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

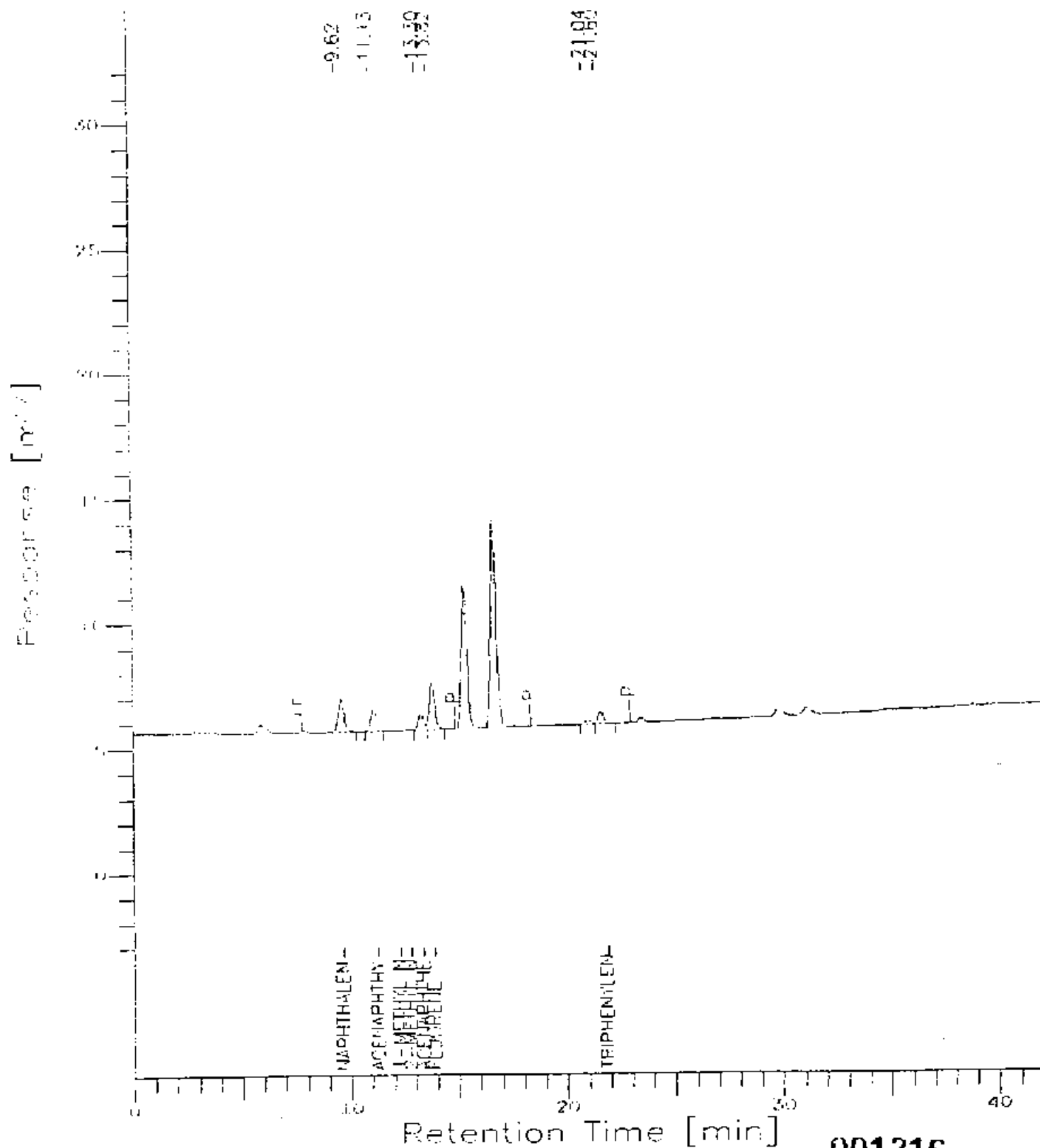
Peak #	Component Name	Ret. Time (min)	Area (UV-sec)	Height (AU)
1	NONADIPOIC ACID	9.6	24801	1540.47 AU
2	ACETANAPHTHOL	11.1	15726	880.11 AU
3	ACETANAPHTHOL	13.3	11445	632.18 AU
4	FLUORAN	13.3	32266	1060.94 AU
5		21.0	5621	179.30 AU
6	TRICHLORNYL ACID	21.6	10238	492.52 AU
			98097	5370.10

Chromatogram

File Name : C:\2700\DATA\AU-175.faw
Start Time : 0.00 min End Time : 42.00 min
Scale Factor : 0 Plot Offset : -3 mV

Date : 12/15/93 10:21 AM
Low Point : -3.00 mV
Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



001316

=====

Sample Name : CDDH1W#37 Time : 12/15/93 10:19 AM
 Sample Number : 173 Study :
 Operator :

Injection # : 1 Channel : A A/D mV Range : 1000
 Amp/Sampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 7:30 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pps/sec

Raw Data File : C:\2700\DATA\1AU-176.raw
 Result File : D:\TEMP\TERS3219.res
 Instrument File: C:\2700\DATA\PARHUV.ins
 Process File : C:\2700\DATA\PARHUV.pro
 Sample File : C:\2700\DATA\PARHUV.cmp
 Sequence File : C:\2700\DATA\AccumFile.seq

Inj. Volume : 100 Area Rejected : 2000.00
 Sample Quantity : 1.0000

=====

ANALYSIS REPORT

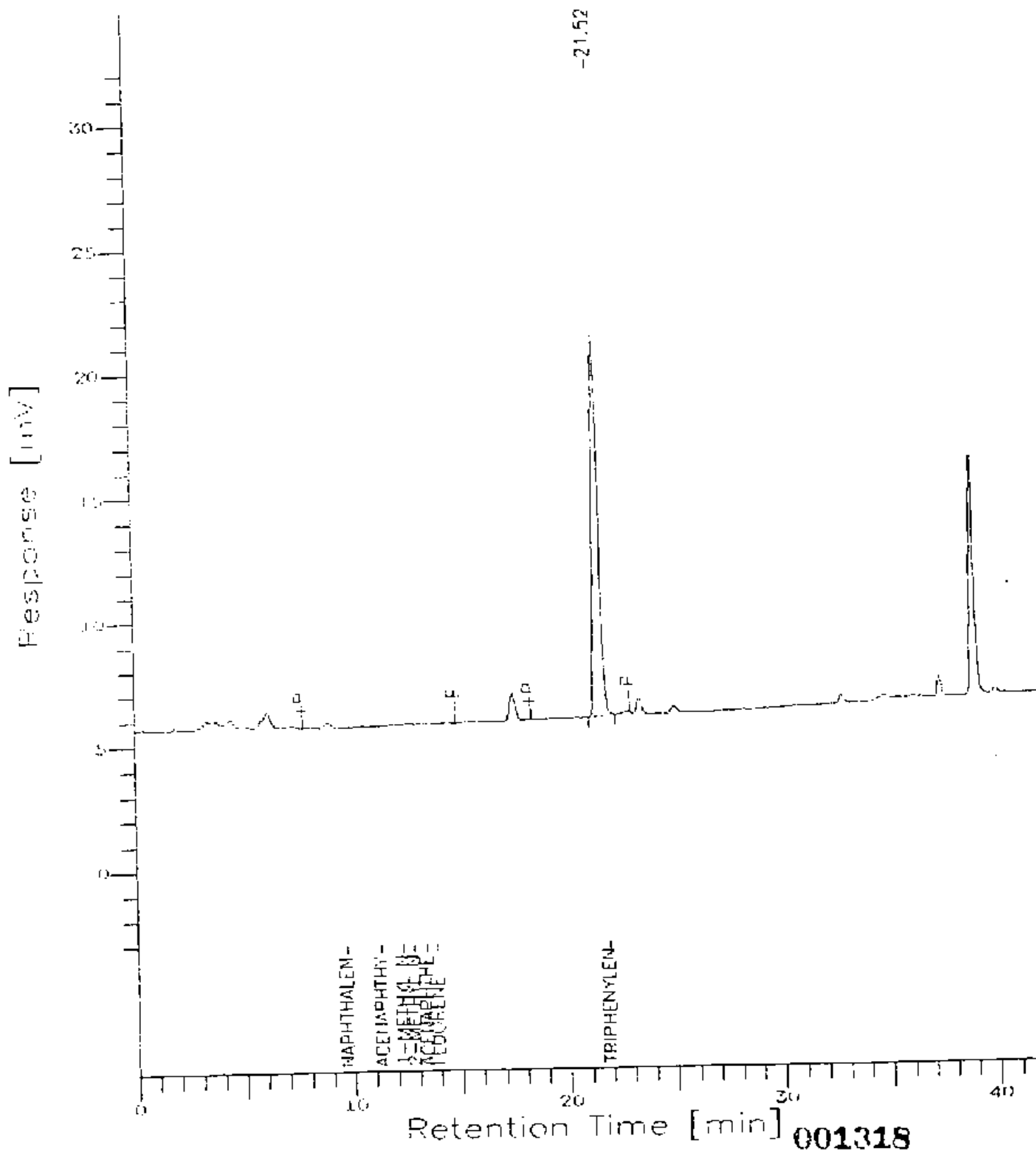
Peak #	Component Name	Ret. Time (min)	Area (mV-sec)	Height (mV)	W.
1	INTERMEDIATE	21.15	315179	15593.43	173
			315179	15593.43	

Chromatogram

Filename : C:\2700\DATA\100-1761.raw
Start Time : 0.00 min End Time : 42.00 min
Scale Factor : 0 Plot Offset : -3 mV

Date : 12/15/95 10:15 AM
Low Point : -3.00 mV
Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



```
=====
Sample Name   : C:\DIRT\W*22          Time       : 12/15/93  10:15 AM
Sample Number : 177                  Study      :
Operator      :
```

```
Interface II  : 1          Channel : A          A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0
```

```
Data Acquisition Time: 12/5/93  8:25 PM
Delay Time     : 0.00 min.
End Time       : 42.00 min.
Sampling Rate  : 1.0000 pts/sec
```

```
Raw Data File  : C:\2700\DATA1\1AU-177.raw
Result File    : D:\TEMP\TERS013R.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File   : C:\2700\DATA\PAHUV.pro
Sample File    : C:\2700\DATA\PAHUV.smp
Sequence File  : C:\2700\DATA\default1.seq
```

```
Loop Volume    : 1          ul          Area Reject    : 2000.00
Sample Amount  : 1.0000
```

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time (min.)	Area (uV-sec)	Height (uV)
1	THIOPHENYLUREA	21.15	300717	15039.47
			300717	15039.47

Chromatogram

File Name : C:\N2700\N416\1100-177.LAW

Date : 12/15/93 10:15 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

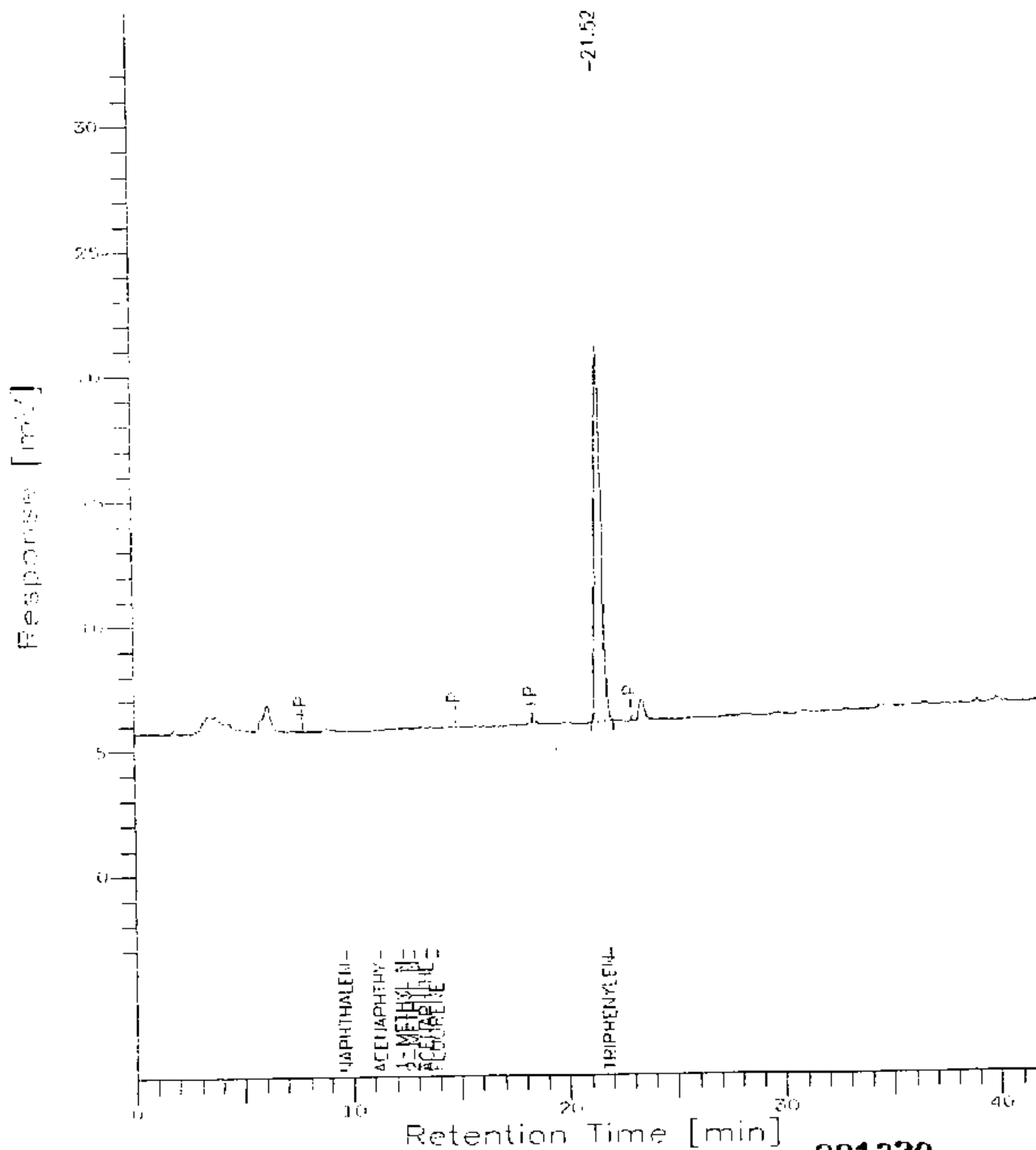
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Range : 0

Plot Offset : -3 mV

Plot Scale: 35 mV



001320

=====

Sample Name : C03895912L-B5423 Time : 12/15/93 10:12 AM
 Sample Number : 178 Study :
 Operator :

Inlet Load # : 1 Channel : A A/F mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/15/93 9:20 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1A0-178.raw
 Result File : D:\10M\1ERS2861.rst
 Instrument File: C:\2700\DATA\PARUV.ins
 Process File : C:\2700\DATA\PARUV.pro
 Sample File : C:\2700\DATA\PARUV.smp
 Sequence File : C:\2700\DATA\seqaut1.ssq

Full Volume : 1 ml Area Reject : 2000.00
 Sample Number : 1.0000

=====

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time [min.]	Area [mV-sec]	Height [mV]
1	PARATHION	9.5	160717	27247.56 mV
2	ACHTHAPHTHYLINE	11.0	570357	30435.98 mV
3	1-METHYL-ROPHETHALIN	12.1	602715	34032.24 mV
4	2-METHYL-ROPHETHALIN	12.6	476316	26765.18 mV
5	ACHTHAPHTHYLINE	13.2	587565	32468.31 mV
6	1-METHYL	15.7	598887	32851.38 mV
7		19.5	43249	2104.47 mV
8		20.9	18599	963.67 mV
9	1-METHYL-ROPHETHALIN	21.5	519115	28819.56 mV
				3918294 211638.34

Chromatogram

48 100

Filename : 212700\N61A1N1A0-170.raw

Start Time : 0.00 min

Scale Factor : 0

End Time : 42.00 min

Plot Offset : -3 mV

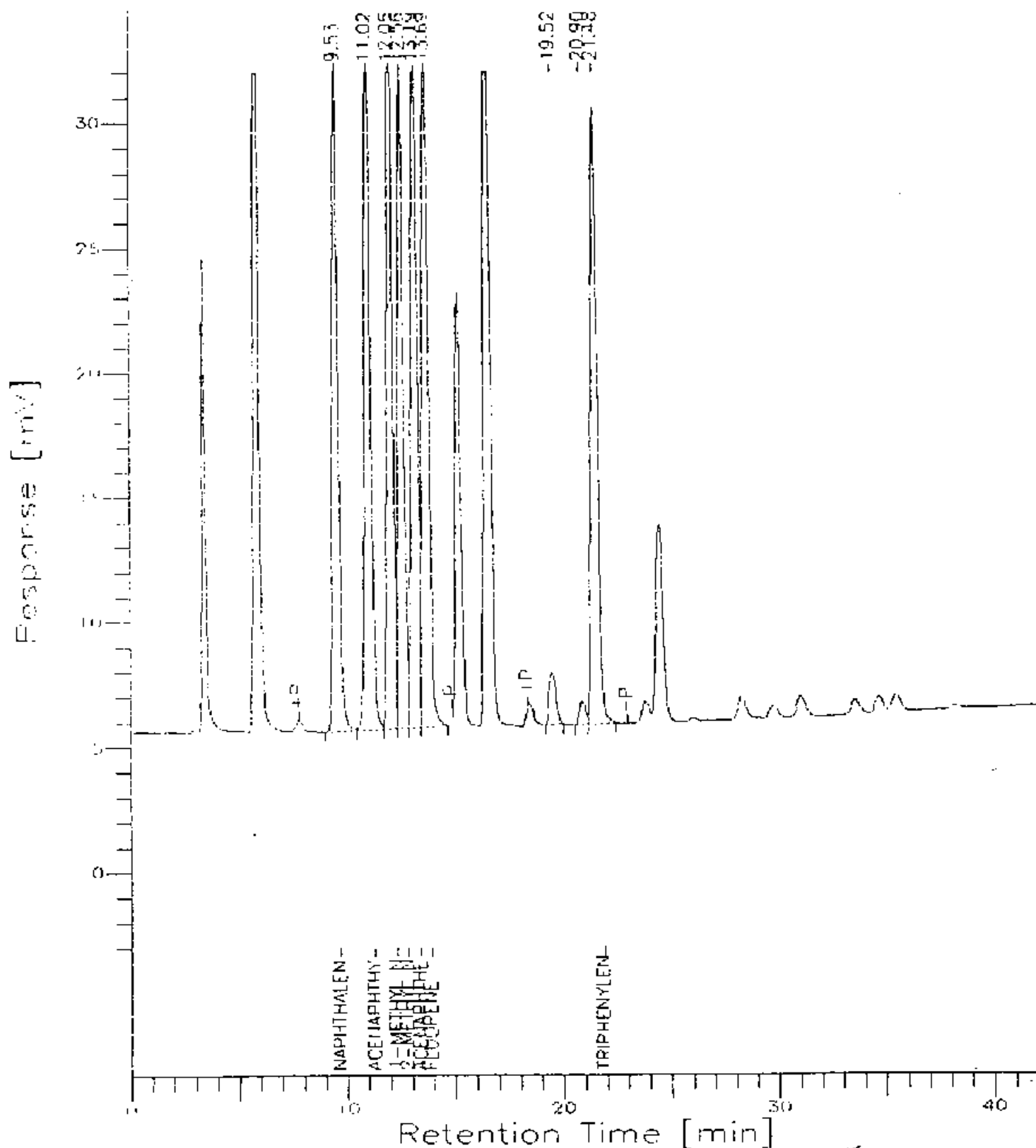
Date : 12/15/93 10:13 AM

Low Point : -3.00 mV

Plot Scale: 30 mV

Page 1 of 1

High Point : 32.00 mV



001322

***** SUMMARY REPORT *****

48 101

ANALYSIS DATE: 12-05-93 ANALYST: BTL, 2356 BATCH: 044502

Fluorescence
Data

PHENANTHRENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	14.728	25374
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	14.683	55755
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	14.719	111832
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	14.711	555461
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	14.733	1090194
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	14.704	2755652
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	14.733	5496951
ICV#856841-E#1	1AF-010.	11/25/93	2:28 AM	14.729	316468
CCS#939121-B5#22	1AF-171.	12/5/93	2:07 PM	15.483	2660891
MS#NONE#1	1AF-172.	12/5/93	3:51 PM		
SP1#NONE#1 1:20	1AF-173.	12/5/93	4:46 PM	15.576	1201773
SPR1#CDDMTW#37 1:20	1AF-174.	12/5/93	5:41 PM	15.477	923194
SPR2#CDDMTW#37 1:20	1AF-175.	12/5/93	6:35 PM	15.392	879878
CDDMTW#37	1AF-176.	12/5/93	7:30 PM		
CDDMTW#22	1AF-177.	12/5/93	8:25 PM		
CCS#939121-B5#22	1AF-178.	12/5/93	9:20 PM	15.249	2720146
Averages				14.995	1445150
RSD:				2.48	109.02

ANTHRACENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	16.132	35583
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	16.074	6249E
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	16.151	128306
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	16.053	641284
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	16.133	1276506
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	16.085	3194948
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	16.133	6387892
ICV#856841-E#1	1AF-010.	11/25/93	2:28 AM	16.101	274640
CCS#939121-B5#22	1AF-171.	12/5/93	2:07 PM	16.817	3017128
MS#NONE#1	1AF-172.	12/5/93	3:51 PM		
SP1#NONE#1 1:20	1AF-173.	12/5/93	4:46 PM	16.967	895119
SPR1#CDDMTW#37 1:20	1AF-174.	12/5/93	5:41 PM	16.842	67068E
SPR2#CDDMTW#37 1:20	1AF-175.	12/5/93	6:35 PM	16.756	644457
CDDMTW#37	1AF-176.	12/5/93	7:30 PM		
CDDMTW#22	1AF-177.	12/5/93	8:25 PM		
CCS#939121-B5#22	1AF-178.	12/5/93	9:20 PM	16.621	3098283
Averages				16.377	1563649
RSD:				2.16	119.27

FLUORANTHENE					
Sample Name	File Name	Date Of	Time Of	Ret. Time	Area

001323

		Injection	Injection	(Min)		
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----	-----
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	17.973	39874	
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	17.930	86415	
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	17.980	171229	
STANDARD939121-E	1AF-006.	11/24/93	10:50 PM	17.967	876172	
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	17.967	1717352	
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	17.928	4367172	
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	18.000	8663348	
ICV#656641-B*1	1AF-010.	11/25/93	2:28 AM	17.899	251135	
CCS#939121-B5*22	1AF-171.	12/5/93	2:07 PM	18.638	4143583	
MB#NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----	-----
SP1#NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----	-----
SPM1#CDDMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----	-----
SPM2#CDDMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----	-----
CDDMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----	-----
CDDMTW*22	1AF-177.	12/5/93	8:25 PM	18.500	564875	
CCS#939121-B5*23	1AF-178.	12/5/93	9:20 PM	18.465	4173694	
Averages				18.113	2277713	
%RSD				1.52	120.86	

PYRENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	19.383	21342
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	19.161	43335
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	19.123	84971
STANDARD939121-E	1AF-006.	11/24/93	10:50 PM	19.131	421648
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	19.143	848220
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	19.090	2140303
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	19.183	4234393
ICV#656641-B*1	1AF-010.	11/25/93	2:28 AM	19.067	350233
CCS#939121-B5*22	1AF-171.	12/5/93	2:07 PM	19.777	2090167
MB#NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SP1#NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPM1#CDDMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPM2#CDDMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CDDMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----
CDDMTW*22	1AF-177.	12/5/93	8:25 PM	-----	-----
CCS#939121-B5*23	1AF-178.	12/5/93	9:20 PM	19.610	2091428
Averages				19.247	1232674
%RSD				1.26	111.79

BENZO(A)ANTHRACENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	23.640	42508
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	23.697	81164
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	23.582	162906
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	23.562	823342
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	23.513	1627178
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	23.517	4062814

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STANDARD939121-4	1AF-009.	11/25/93	1:34 AM	23.650	8116435
ICV*856841-B*1	1AF-010.	11/25/93	2:28 AM	23.408	212807
CCS*939121-B5*22	1AF-171.	12/5/93	2:07 PM	24.083	3658290
MB*NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SPI*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPH1*CDMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPH2*CDMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CDMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----
CDMTW*22	1AF-177.	12/5/93	8:25 PM	23.866	223005
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	23.857	3851706
Averages				23.670	2096596
%RSD				0.83	123.65

CHRYSENE

Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	24.481	36727
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	24.493	73275
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	24.350	158476
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	24.368	750200
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	24.312	1518686
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	24.318	3828867
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	24.467	7565373
ICV*856841-B*1	1AF-010.	11/25/93	2:28 AM	24.210	349961
CCS*939121-B5*22	1AF-171.	12/5/93	2:07 PM	24.624	3756432
MB*NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SPI*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPH1*CDMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPH2*CDMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CDMTW*37	1AF-176.	12/5/93	7:30 PM	25.117	239731
CDMTW*22	1AF-177.	12/5/93	8:25 PM	-----	-----
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	24.582	3824718
Averages				24.506	2010955
%RSD				1.05	121.35

BENZ(B)FLUORANTHENE

Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	28.204	40268
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	28.266	90446
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	28.182	186885
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	28.106	923212
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	28.069	1852927
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	28.077	4720387
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	28.251	9289144
ICV*856841-B*1	1AF-010.	11/25/93	2:28 AM	27.964	188466
CCS*939121-B5*22	1AF-171.	12/5/93	2:07 PM	28.599	4521127
MB*NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SPI*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPH1*CDMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPH2*CDMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CDMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----
CDMTW*22	1AF-177.	12/5/93	8:25 PM	28.317	469956

CCS*939121-B5*23	1AF-176.	12/5/93	9:20 PM	28.313	4512655
Averages				28.213	2435979
RSD				0.80	122.25

BENZOK(FLUORANTHENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time (min)	Area
CH3CN	1AF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	29.717	31947
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	29.778	59376
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	29.669	121040
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	29.581	609573
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	29.520	1266196
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	29.542	2996083
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	29.722	6126963
ICV*B56841-B*1	1AF-010.	11/25/93	2:28 AM	29.386	267571
CCS*939121-B5*23	1AF-171.	12/5/93	2:07 PM	30.105	2989451
ME*NONE*1	1AF-172.	12/5/93	3:51 PM		
SF1*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	30.320	4134076
SPM1*CODMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	30.019	2021180
SPM2*CODMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	29.693	1546726
CODMTW*37	1AF-176.	12/5/93	7:30 PM		
CODMTW*22	1AF-177.	12/5/93	8:25 PM	29.117	423918
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	29.747	3005623
Averages				29.745	1832580
RSD				0.84	93.72

BENZOK(A)PYRENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time (min)	Area
CH3CN	1AF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AF-003.	11/24/93	8:05 PM	31.012	44591
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	31.010	86607
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	30.921	176640
STANDARD939121-B	1AF-006.	11/24/93	10:50 PM	30.840	884358
STANDARD939121-B2	1AF-007.	11/24/93	11:44 PM	30.809	1776755
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	30.863	4466869
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	30.993	8854283
ICV*B56841-B*1	1AF-010.	11/25/93	2:28 AM	30.654	381057
CCS*939121-B5*23	1AF-171.	12/5/93	2:07 PM	31.422	4426589
ME*NONE*1	1AF-172.	12/5/93	3:51 PM		
SF1*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	31.619	3247278
SPM1*CODMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	31.319	1577097
SPM2*CODMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	31.186	1477803
CODMTW*37	1AF-176.	12/5/93	7:30 PM		
CODMTW*22	1AF-177.	12/5/93	8:25 PM	31.050	324556
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	31.061	4329333
Averages				31.050	2289226
RSD				0.85	110.23

DIBEN(A,H)ANTHACENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time (min)	Area

001326

CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-B5	1AF-003.	11/24/93	8:05 PM	33.555	29593
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	33.485	61733
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	33.372	125694
STANDARD939121-E	1AF-006.	11/24/93	10:50 PM	33.334	642930
STANDARD939121-E2	1AF-007.	11/24/93	11:44 PM	33.324	1262067
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	33.291	3173393
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	33.480	6335246
ICV*B56841-B*1	1AF-010.	11/25/93	2:28 AM	33.091	166512
CCS*939121-B5*22	1AF-171.	12/5/93	2:07 PM	34.167	3310433
ME*NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SP1*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPM1*CODMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPM2*CODMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CODMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----
CODMTW*22	1AF-177.	12/5/93	8:25 PM	34.717	62094
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	33.567	3333872
Averages				33.580	1683961
%RSD				1.38	123.36

BENZ(GH)PERYLENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-B5	1AF-003.	11/24/93	8:05 PM	34.726	28925
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	34.533	54531
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	34.434	110186
STANDARD939121-E	1AF-006.	11/24/93	10:50 PM	34.464	562640
STANDARD939121-E2	1AF-007.	11/24/93	11:44 PM	34.427	1124426
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	34.393	2648794
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	34.574	5746362
ICV*B56841-B*1	1AF-010.	11/25/93	2:28 AM	34.196	446203
CCS*939121-B5*22	1AF-171.	12/5/93	2:07 PM	35.333	2991751
ME*NONE*1	1AF-172.	12/5/93	3:51 PM	-----	-----
SP1*NONE*1 1:20	1AF-173.	12/5/93	4:46 PM	-----	-----
SPM1*CODMTW*37 1:20	1AF-174.	12/5/93	5:41 PM	-----	-----
SPM2*CODMTW*37 1:20	1AF-175.	12/5/93	6:35 PM	-----	-----
CODMTW*37	1AF-176.	12/5/93	7:30 PM	-----	-----
CODMTW*22	1AF-177.	12/5/93	8:25 PM	-----	-----
CCS*939121-B5*23	1AF-178.	12/5/93	9:20 PM	34.700	2922485
Averages				34.583	1683632
%RSD				0.88	112.13

INDENO(1,2,3-CD)PYRN					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-B5	1AF-003.	11/24/93	8:05 PM	35.585	30059
STANDARD939121-C	1AF-004.	11/24/93	9:00 PM	35.339	68625
STANDARD939121-C2	1AF-005.	11/24/93	9:55 PM	35.344	122943
STANDARD939121-E	1AF-006.	11/24/93	10:50 PM	35.325	615879
STANDARD939121-E2	1AF-007.	11/24/93	11:44 PM	35.301	1222584
STANDARD939121-B5	1AF-008.	11/25/93	12:39 AM	35.235	3073442
STANDARD939121-A	1AF-009.	11/25/93	1:34 AM	35.419	6202414
ICV*B56841-B*1	1AF-010.	11/25/93	2:28 AM	35.046	199481

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CCS1939121-85122	IAF-171.	12/5/93	2:07 PM	36.283	2925252
MB*NDWE*1	IAF-172.	12/5/93	3:51 PM	-----	-----
SP1*NDWE*1 1:20	IAF-173.	12/5/93	4:46 PM	-----	-----
SPM1*CODMTW*37 1:20	IAF-174.	12/5/93	5:41 PM	-----	-----
SPM2*CODMTW*37 1:20	IAF-175.	12/5/93	6:35 PM	-----	-----
CODMTW*37	IAF-176.	12/5/93	7:30 PM	36.533	67760
CODMTW*22	IAF-177.	12/5/93	8:25 PM	36.583	238878
CCS1939121-85123	IAF-175.	12/5/93	9:20 PM	35.517	2956730

Averages				35.626	1478587
12SD				1.46	130.53

03011 File Created Successfully - Stored in: C:\2700\DATA\G44589F1.ppt

=====

Sample Name : CH3CN
Sample Number: 2
Operator :

Time : 12/5/93 1:20 PM
Study :

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 7:11 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-002.raw
Result File : D:\TEMP\TERSOF5B.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.pro
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

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ANALYSIS REPORT

Missing Component Report

001329

Chromatogram

48 108

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Filename : C:\2700\DATA1\1AF-002.raw

Date : 12/5/93 1:20 PM

Start time : 0.00 min

End Time : 42.00 min

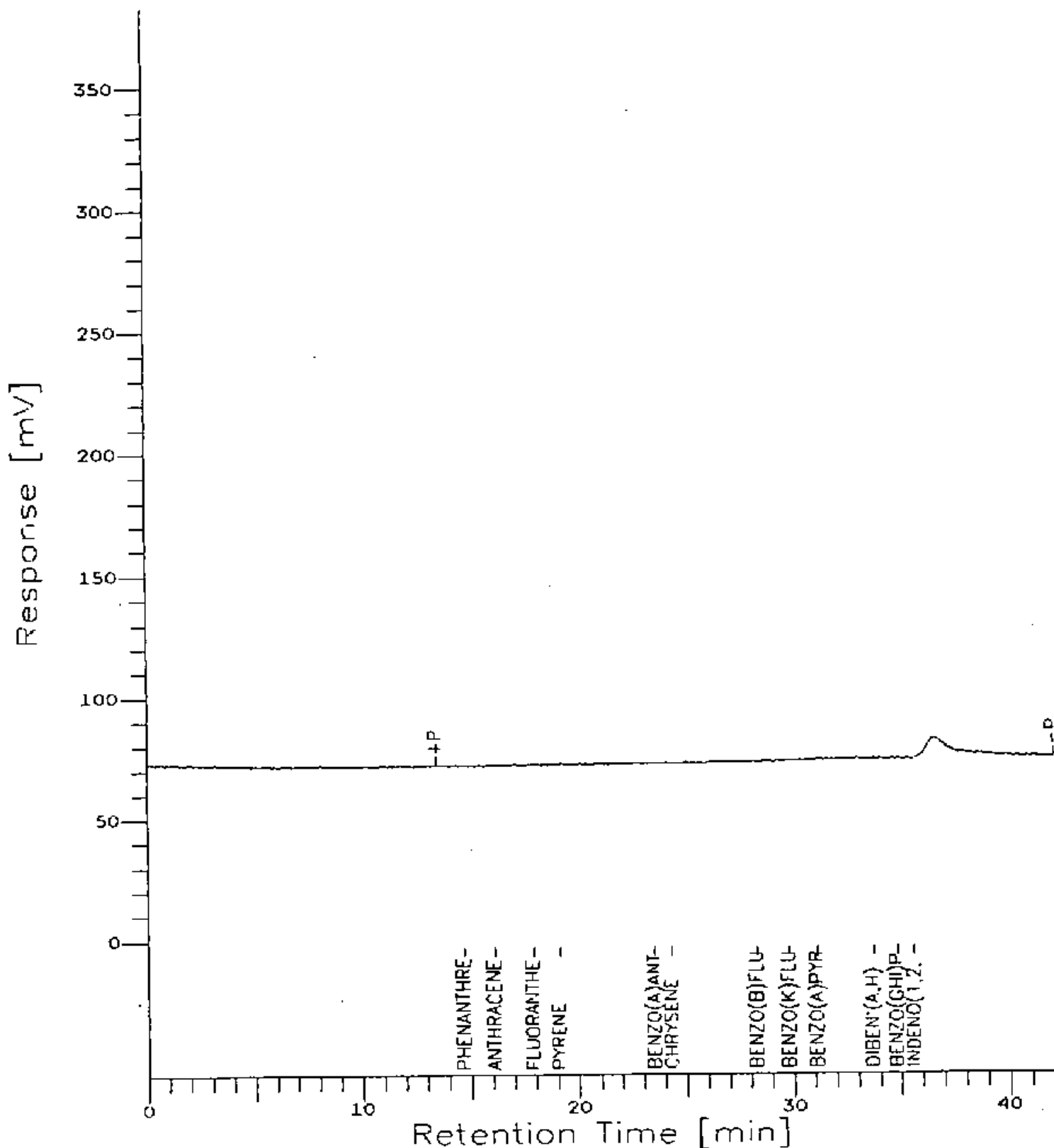
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001330

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Sample Name	: STANDARD939121-D5	Time	: 12/5/93 1:20 PM
Sample Number	: 3	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 8:05 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-003.raw
Result File : D:\TEMP\TERS1475.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.prc
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	25374	1877.53	MM
2	ANTHRACENE	16.1	35683	2357.05	MM
3	FLUORANTHENE	18.0	39874	2722.76	MM
4	PYRENE	19.2	21342	1346.47	MM
5	BENZO(A)ANTHRACENE	23.6	42908	2563.02	MM
6	CHRYSENE	24.5	36737	2205.79	MM
7	BENZO(B)FLUORANTHENE	28.2	40268	2619.69	MM
8	BENZO(K)FLUORANTHENE	29.7	31947	1702.65	MM
9	BENZO(A)PYRENE	31.0	44991	2290.09	MM
10	DIBEN'(A,H)ANTH'CENE	33.6	29593	1780.16	MM
11	BENZO(GH1)PERYLENE	34.7	28925	1530.86	MM
12	INDENO(1,2,3-CD)PYRN	35.6	30059	1498.42	MM

407699 24494.48

Chromatogram

48 110

FileName : C:\2700\DATA\1\AF-003.raw

Date : 12/5/93 1:20 PM

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Start Time : 0.00 min

End Time : 42.00 min

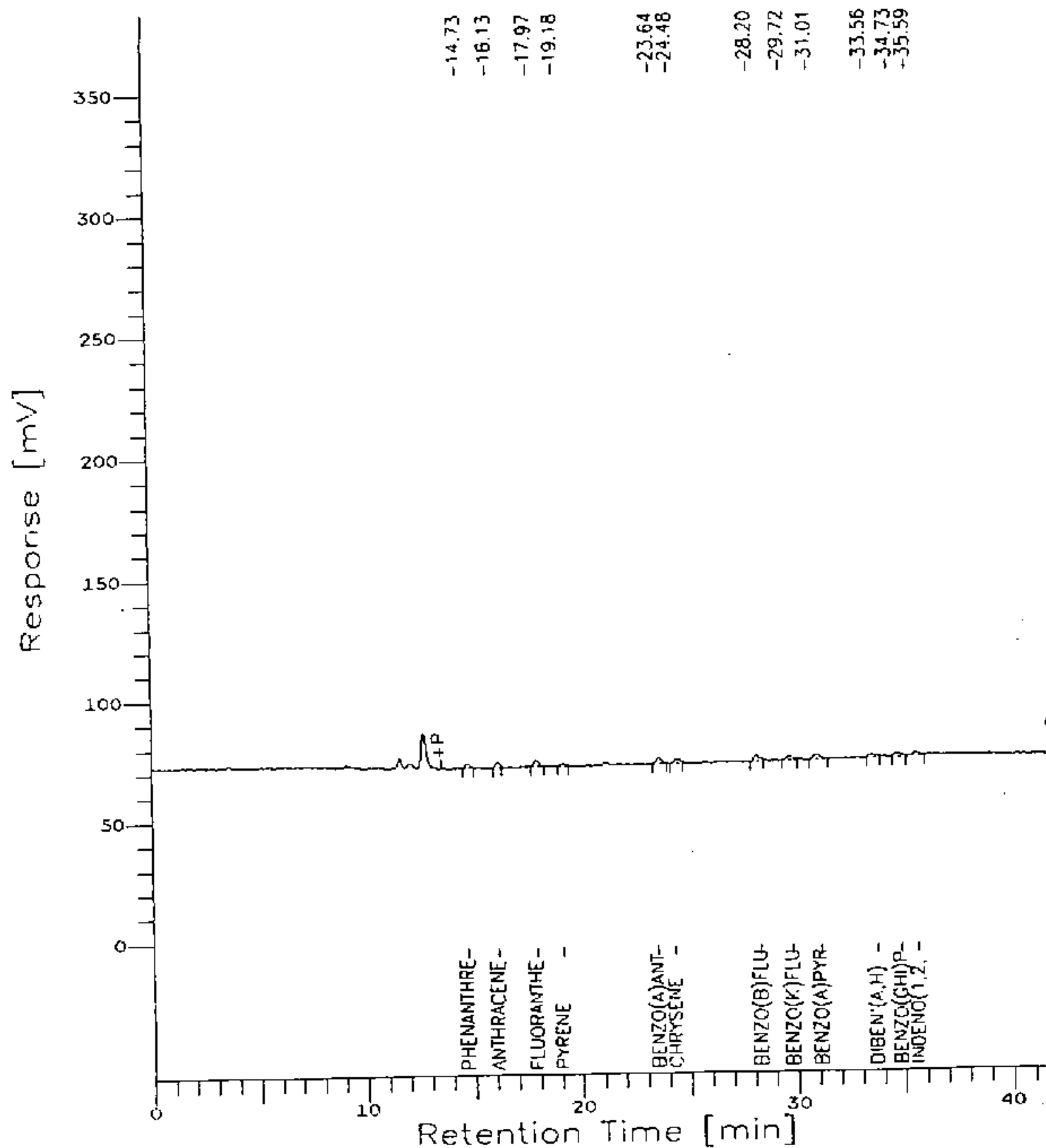
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001332

=====48=====111=====

Sample Name : STANDARD939121-C Time : 12/5/93 1:20 PM
 Sample Number: 4 Study :
 Operator :

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:00 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\IAF-004.raw
 Result File : D:\TEMP\TERS300F.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.prc
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 uL Area Reject : 20000.00
 Sample Amount : 1.0000

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ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	55795	3829.76	MM
2	ANTHRACENE	16.1	62498	4129.59	MM
3	FLUORANTHENE	17.9	86415	5413.94	MM
4	PYRENE	19.2	43535	2491.91	MM
5	BENZO(A)ANTHRACENE	23.7	81164	4657.48	MM
6	CHRYSENE	24.5	73275	3908.54	MM
7	BENZO(B)FLUORANTHENE	28.3	90446	4517.99	MM
8	BENZO(K)FLUORANTHENE	29.8	59376	3066.09	MM
9	BENZO(A)PYRENE	31.0	80807	4049.35	MM
10	DIBEN'(A,H)ANTH'CENE	33.5	61733	2697.55	MM
11	BENZO(GHI)PERYLENE	34.5	54531	2584.98	MM
12	INDENO(1,2,3-CD)PYRN	35.3	68825	2479.65	MM
				818400	43826.82

001333

Chromatogram

48 112

Filename : C:\2700\DATA1\1AF-004.raw

Date : 12/5/93 1:20 PM

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Start Time : 0.00 min

End Time : 42.00 min

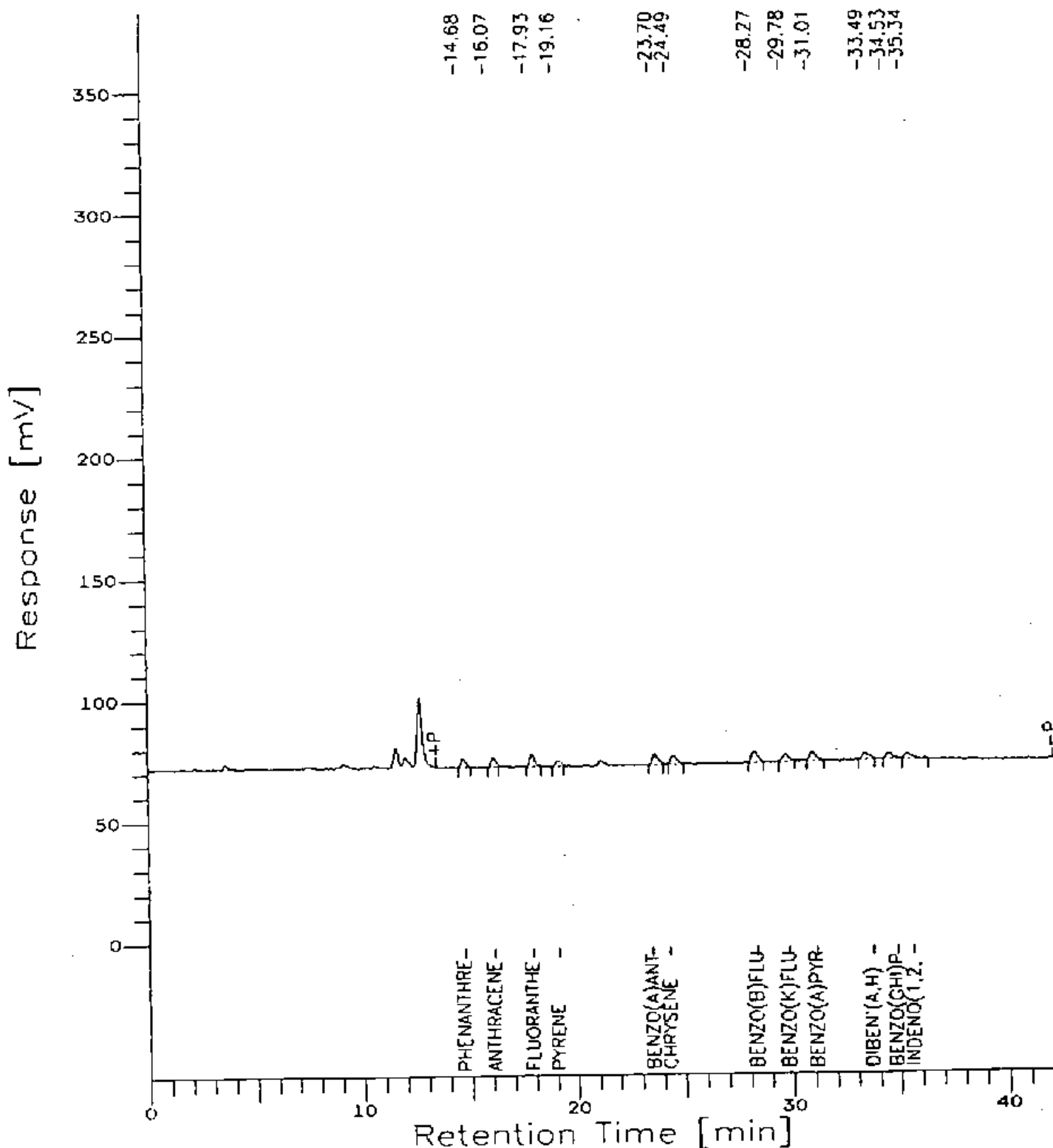
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001334

=====

Sample Name : STANDARD939121-C2 Time : 12/5/93 1:21 PM
 Sample Number: 5 Study :
 Operator :

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:55 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-005.raw
 Result File : D:\TEMP\TERS0445.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.prc
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

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ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	111832	7235.98	MM
2	ANTHRACENE	16.2	128306	8078.58	MM
3	FLUORANTHENE	18.0	171229	10843.32	MM
4	PYRENE	19.1	84971	5104.32	MM
5		21.2	55469	4254.50	BB
6	BENZO(A)ANTHRACENE	23.6	162906	9107.66	MM
7	CHRYSENE	24.4	156476	7651.22	MM
8	BENZO(B)FLUORANTHENE	28.2	186885	9286.16	MM
9	BENZO(K)FLUORANTHENE	29.7	121040	6213.74	MM
10	BENZO(A)PYRENE	30.9	176640	7915.40	MM
11	DIBEN(A,H)ANTH'CENE	33.4	125694	5615.28	MM
12	BENZO(GHI)PERYLENE	34.5	110186	5258.60	MM
13	INDENO(1,2,3-CD)PYRN	35.3	122943	4718.20	MM

1714575 91282.95

Chromatogram

48 114

FileName : C:\2700\DATA1\1AF-005.raw

Date : 12/5/93 1:21 PM

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Start Time : 0.00 min

End Time : 42.00 min

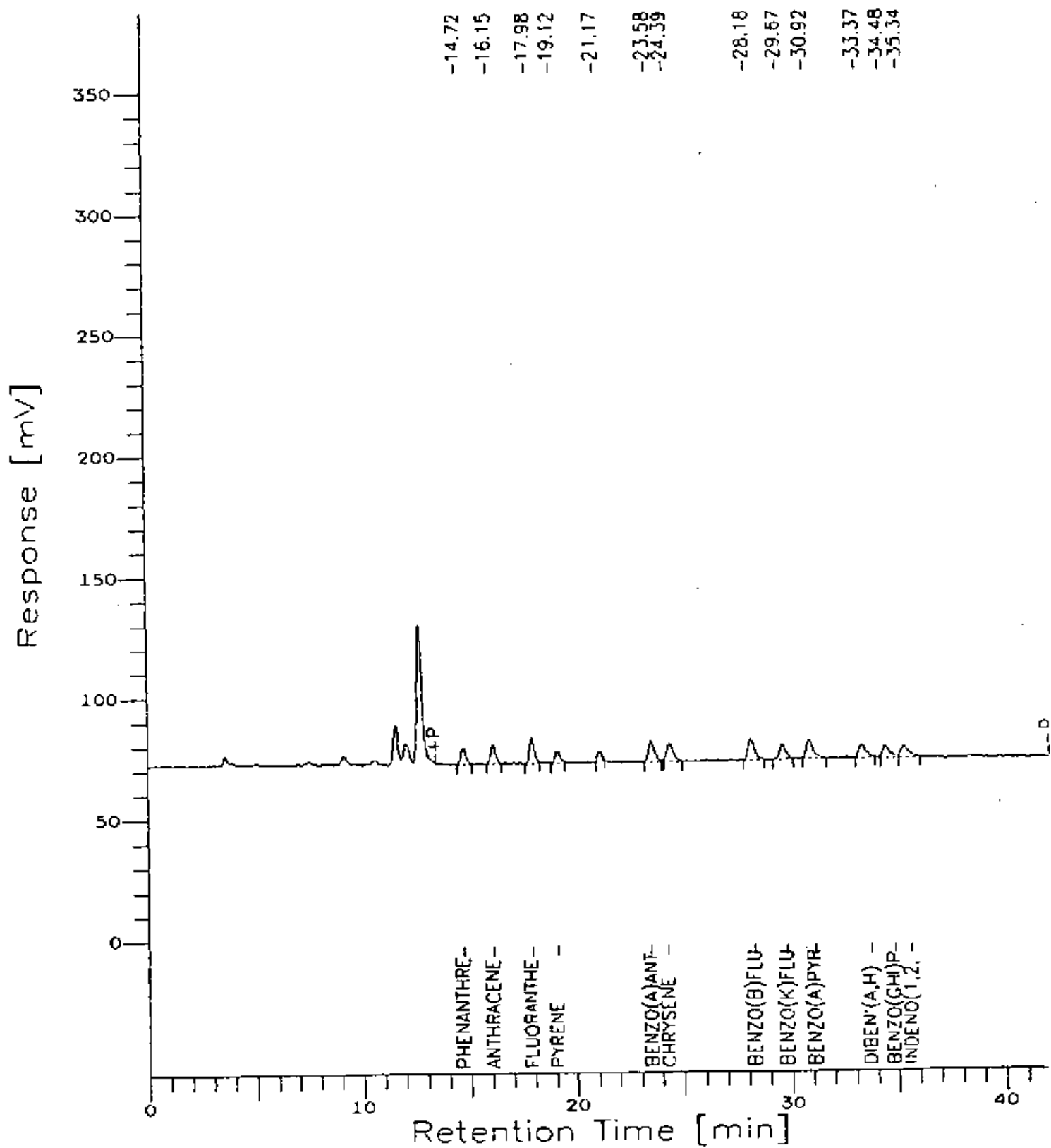
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001336

```

=====
Sample Name   : STANDARD939121-B      Time       : 12/5/93  1:21 PM
Sample Number : 6                     Study      :
Operator      :

```

```

Interface #   : 1          Channel : B      A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 11/24/93  10:50 PM
Delay Time       : 0.00   min.
End Time        : 42.00   min.
Sampling Rate    : 1.0000   pts/sec

```

```

Raw Data File   : C:\2700\DATA1\1AF-006.raw
Result File     : D:\TEMP\TERS2D1F.rst
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHFL.prc
Sample File     : C:\2700\DATA\PAHFL.smp
Sequence File   : C:\2700\DATA\default.seq

```

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Inj. Volume    : 1          ul      Area Reject      : 20000.00
Sample Amount  : 1.0000

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ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	555461	35675.47	MM
2	ANTHRACENE	16.1	641284	40823.82	MM
3	FLUORANTHENE	18.0	876172	53730.61	BB
4	PYRENE	19.1	421648	24930.07	MM
5		21.2	392154	23490.05	BB
6	BENZO(A)ANTHRACENE	23.6	823342	44295.02	MM
7	CHRYSENE	24.4	750200	38377.55	MM
8	BENZO(B)FLUORANTHENE	28.1	923512	46757.06	MM
9	BENZO(K)FLUORANTHENE	29.6	609573	29026.84	MM
10	BENZO(A)PYRENE	30.8	884558	40355.11	MM
11	DIBEN'(A,H)ANTH'CENE	33.3	642930	27505.47	MM
12	BENZO(GHI)PERYLENE	34.5	562640	25037.85	MM
13	INDENO(1,2,3-CD)PYRN	35.3	615879	23785.84	MM

8699354 453790.75

Sample Name : CUST939121-R5*22 Time : 12/15/93 9:45 AM
 Sample Number : 173 Study :
 Operator :

Interface II : Channel : B A/D mV Range : 1000
 Autosampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 2:07 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AE-171.raw
 Result File : D:\TEMP\TERS283A.rsl
 Instrument File: C:\2700\DATA\PAHUVLins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time (min)	Area (uV-sec)	Height (uV)	BL
1		13.4	20445340	904034.44	BB
2	FLUORANTHENE	15.5	2660891	134741.08	BB
3	ANTHRACENE	16.8	3047128	148480.06	B
4	FLUORANTHENE	18.6	4143583	192587.78	BB
5	PYRENE	19.8	2090167	51289.45	BB
6		21.8	1637191	81880.40	BB
7	BENZ(A)ANTHRACENE	24.1	3856290	159271.97	BB
8	CHRYSENE	24.8	3756452	141548.91	BB
9	BENZO(B)FLUORANTHENE	28.6	4521127	162520.98	BB
10	BENZO(K)FLUORANTHENE	30.1	2989451	101956.62	BB
11	BENZO(A)PYRENE	31.4	4426589	147015.36	BB
12	DIBEN(A,H)ANTHRACENE	24.2	3310433	101924.78	BV
13	BENZO(GH)PERYLENE	35.3	2991751	95625.89	VV
14	INDENO(1,2,3-CD)PYR	36.3	2925252	85841.43	VB
15		39.7	220933	7068.28	BB
			63192628	2.55e6	

Chromatogram

48 117

FileName : C:\2500\DATA1\INF-171.raw

Date : 12/15/93 9:45 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

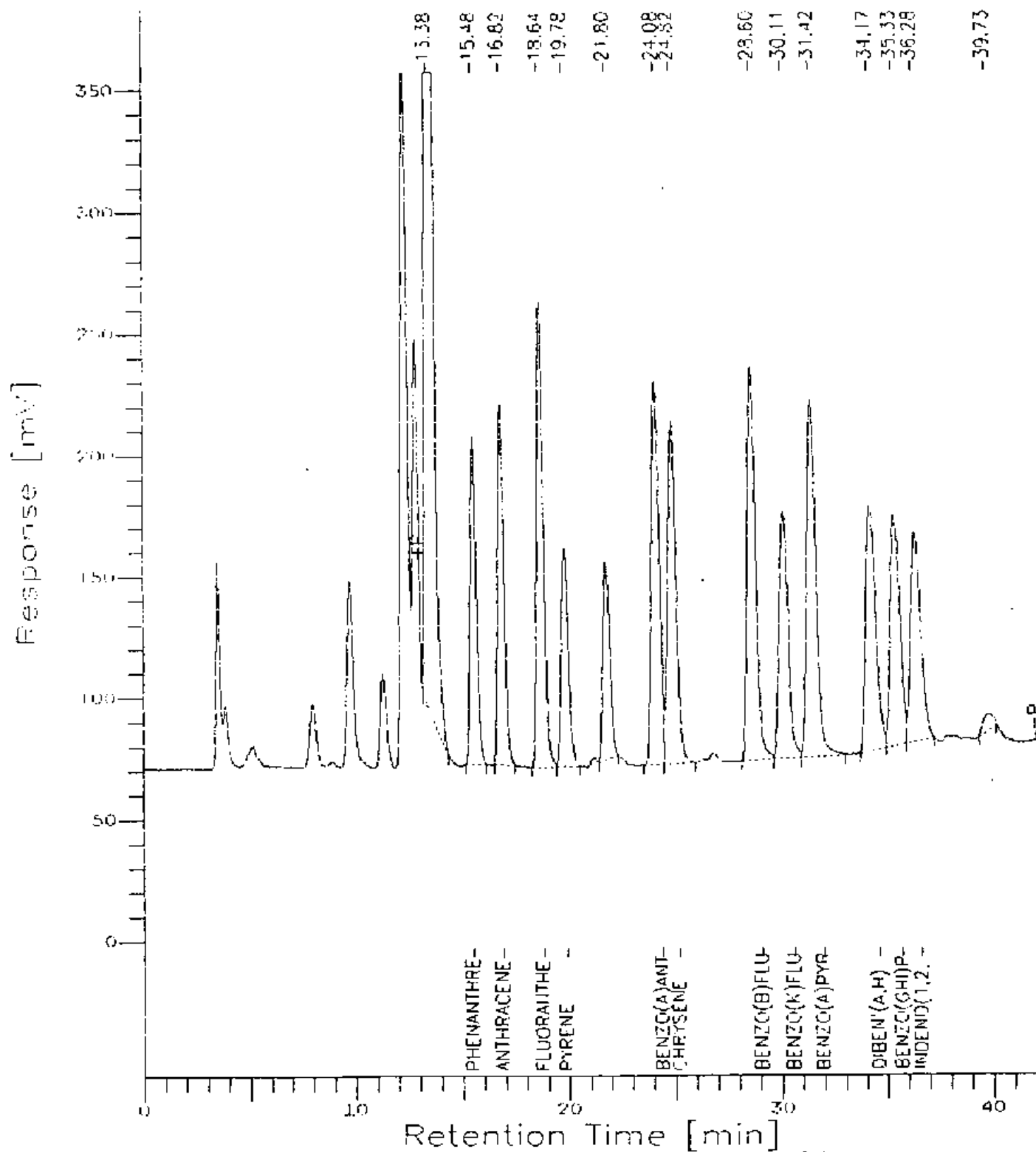
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001339

```

=====
Sample Name   : MB*NDNC*.L           Time       : 12/15/93  9:46 AM
Sample Number : 172                  Study      :
Operator      :

```

```

Interface #   : 1                   Channel : B       A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 12/5/93  3:51 PM
Delay Time      : 0.00   min.
End Time       : 42.00   min.
Sampling Rate   : 1.0000   pts/sec

```

```

Raw Data File   : C:\2700\DATA1\1AF-172.raw
Result File     : D:\TEMP\TERS1264.rst
Instrument File : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHFL.pro
Sample File     : C:\2700\DATA\PAHCL.smp
Sequence File   : C:\2700\DATA\default.seq

```

```

Inj. Volume     : 1             ul      Area Reject      : 20000.00
Sample Amount   : 1.0000

```

ANALYSIS REPORT

Peak #	Component Name	Ret. Time (min)	Area [uV-sec]	Height [uV]	FL
1		22.10	1693530	69650.86	133
			1693530	69650.86	

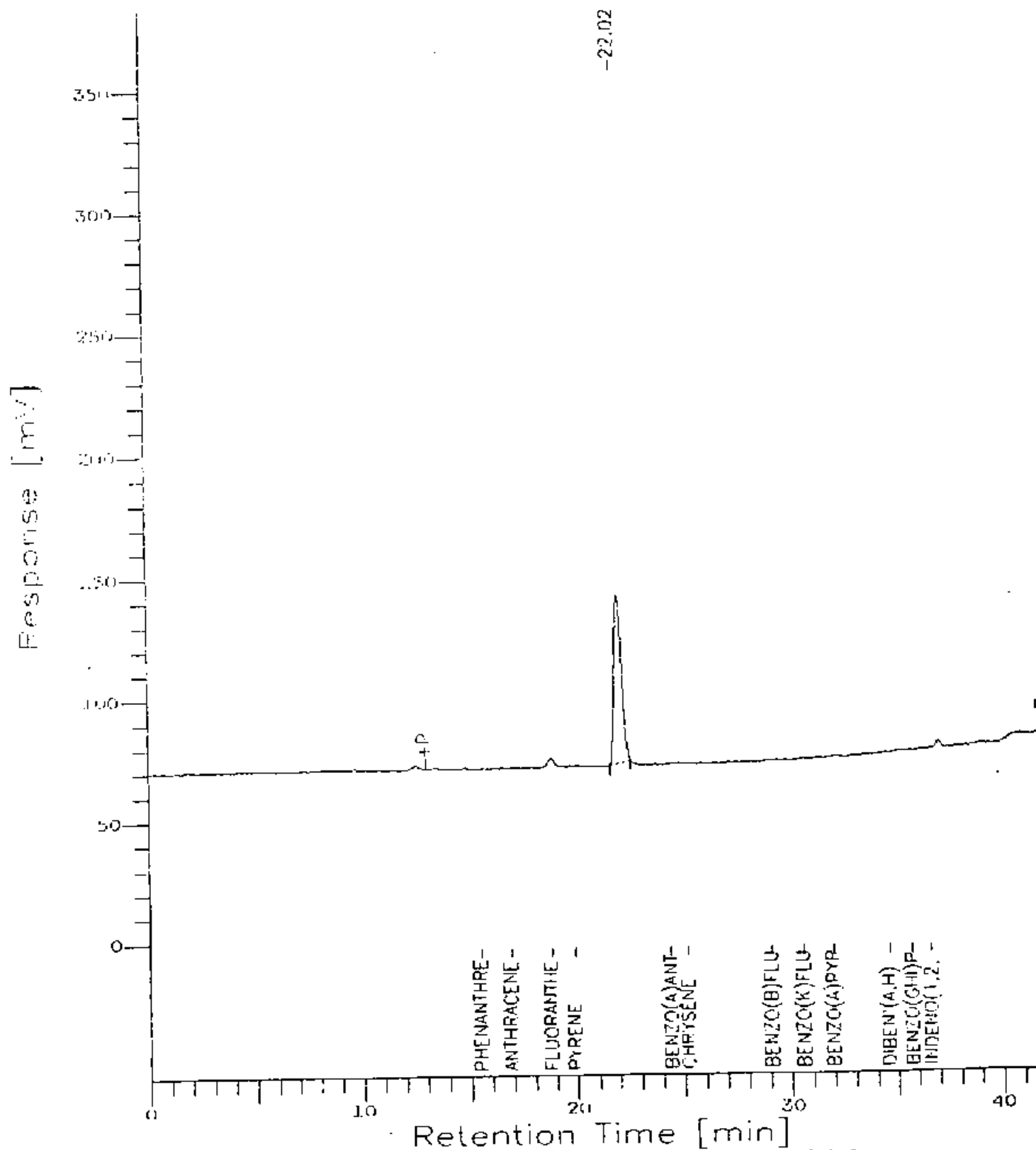
Chromatogram

48 119

Filename: E:\2700\DATA\1A1-172.raw
 Start Time: 0.00 min End Time: 42.00 min
 Scale Factor: 0 Plot Offset: -3 mV

Date: 12/15/93 9:46 AM
 Low Point: -3.00 mV
 Plot Scale: 360 mV

Page 1 of 1
 High Point: 357.00 mV



001341

=====

Sample Name : SP1*NONCE#1 1:20 Time : 12/15/93 9:49 AM
 Sample Number : 173 Study :
 Operator :

Interface II : J Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/View : 0/0

Data Acquisition Time: 12/5/93 4:46 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-173.raw
 Result File : D:\TEMP\TERS3926.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [mV-sec]	Height [mV]	BL
1		13.5	471573	74522.11	BB
2	PHENANTHRENE	15.6	1201773	60205.00	MM
3	ANTHRACENE	17.0	895119	43639.22	BB
4		27.1	130866	6705.32	BB
5	BENZOKETULORANTHENE	30.3	4134076	157914.14	BB
6	CHRYSENE/PYRENE	31.6	3247278	124659.88	MM
				10080684	417641.66

Chromatogram

48 121

Filename : C:\2700\DATA1\1AF-173.raw

Date : 12/15/93 9:49 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

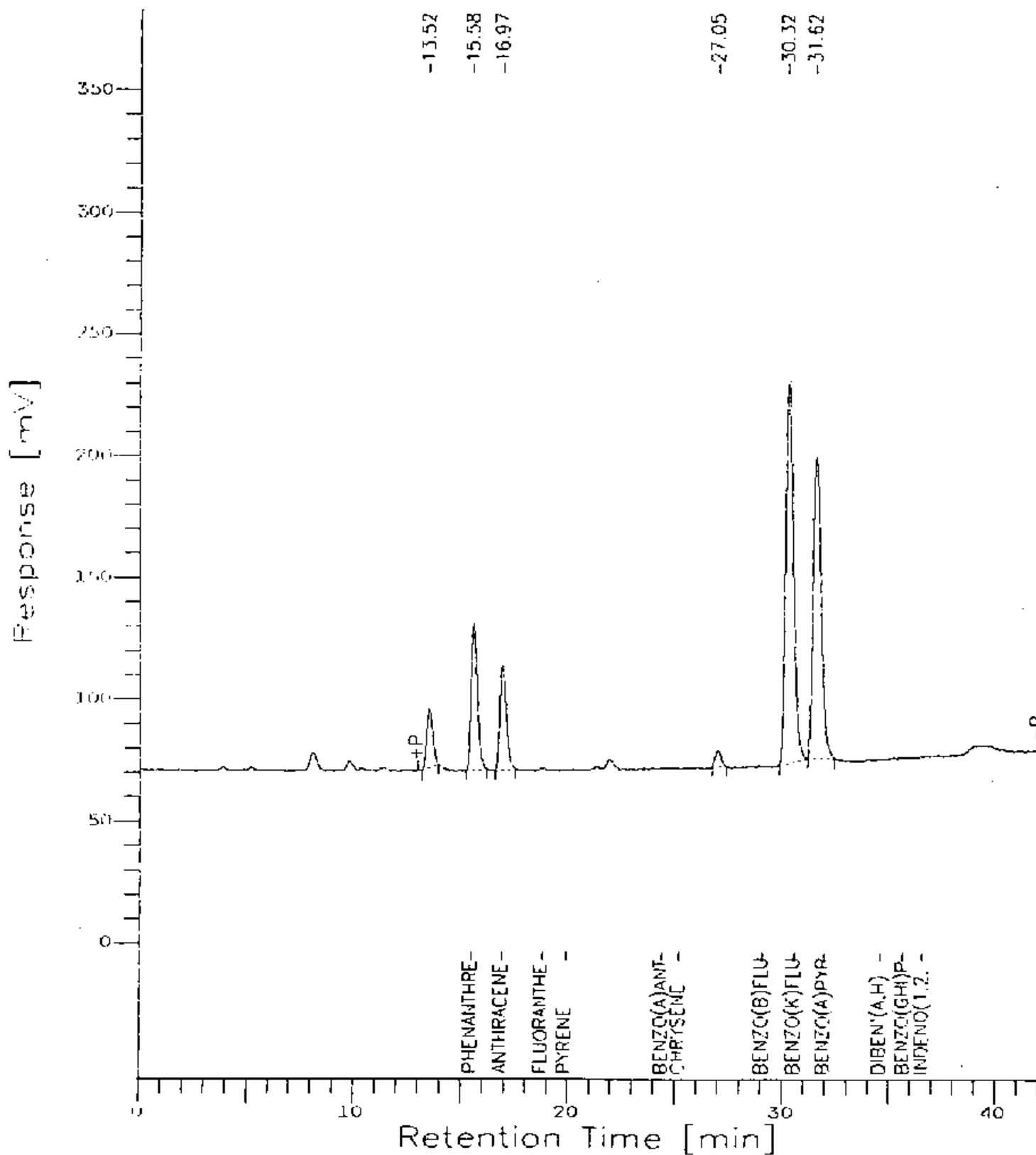
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale: 360 mV



001343

```
=====
Sample Name   : SRM1#CDDB1WB57 1:20      Time       : 12/15/93  9:51 AM
Sample Number : 174                      Study       :
Operator      :
```

```
Interface B   : J           Channel : B           A/D mV Range : 1000
AutoSampler   : None attached
Back/Vial     : 0/0
```

```
Data Acquisition Time: 12/15/93  5:41 PM
Delay Time     : 0.00 min.
End Time       : 42.00 min.
Sampling Rate  : 1.0000 pts/sec
```

```
Raw Data File  : C:\2700\DATA1\JAF-174.raw
Result File    : D:\TEMP\TERS21601.res
Instrument File : C:\2700\DATA\PAHUV.ins
Process File   : C:\2700\DATA\PAHFL.pro
Sample File    : C:\2700\DATA\PAHFL.sm6
Sequence File  : C:\2700\DATA\detan011.seq
```

```
Integ. Volume  : 1           Integ. Area Report   : 20000.00
Sample Amount  : 1.00000
```

```
=====
```

ANALYSIS REPORT

Peak	Compound Name	Peak Time min	Area Count	Height mV
1		12.15	407081	22557.50 FM
2	CHLOROPHENOL	15.15	933194	47830.24 FM
3	ACETOPHENOL	16.13	670698	33055.76 FM
4	CHLOROPHENOL	30.10	2021180	76565.14 FM
5	BENZOPHENOL	31.13	1577027	57723.07 FM
			5599240	239085.70

Chromatogram

48 123

File Name : C:\2700\DATA\1101-174.raw

Date : 12/15/93 9:51 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

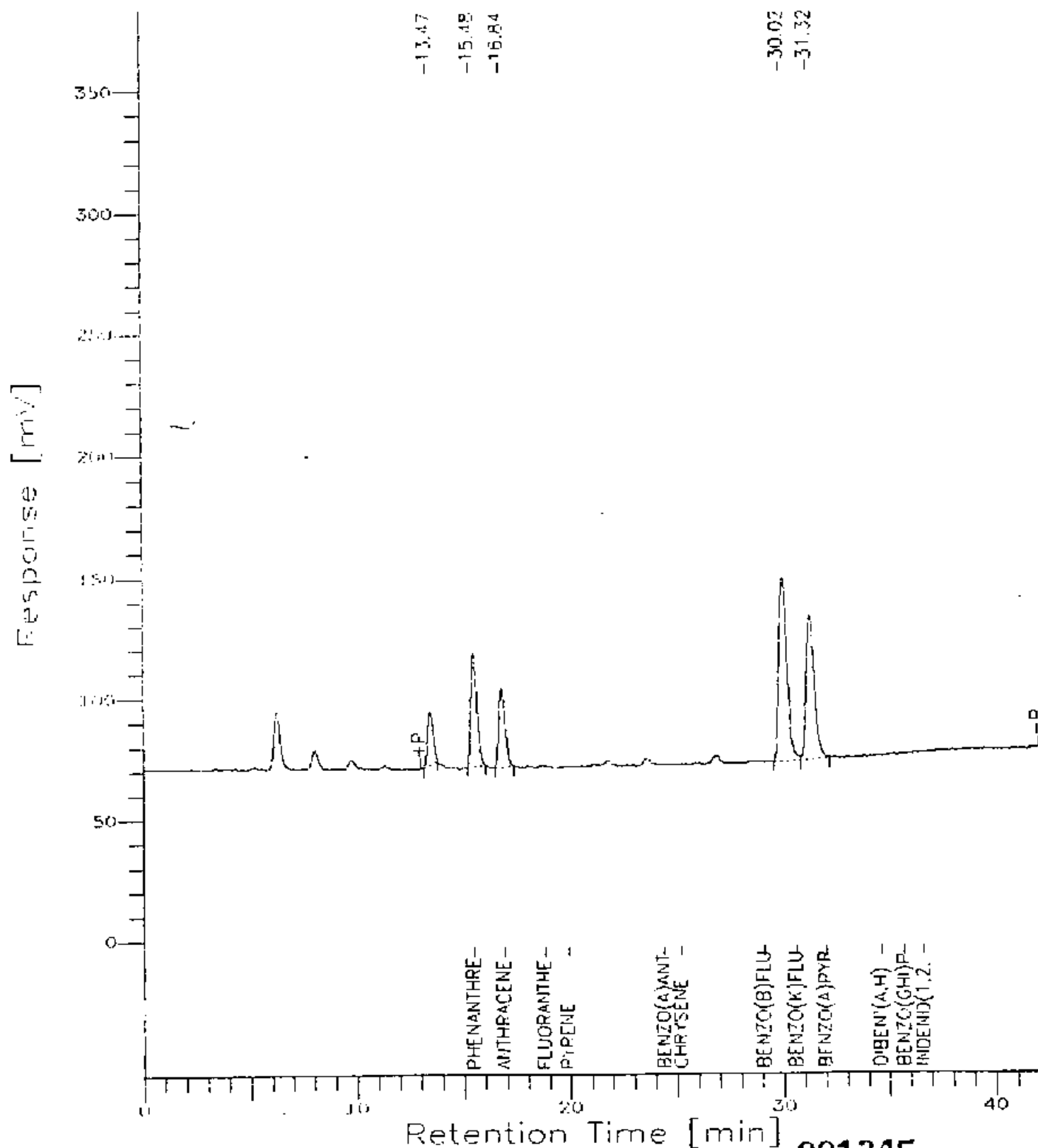
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale : 360 mV



001345

Sample Name : SPM2*CODM1W*37 1:20 Time : 12/15/93 9:54 AM
 Sample Number: 175 Study :
 Operator :

Interface 0 : 1 Channel : 8 A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 6:35 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AF-175.raw
 Result File : D:\TEMP\TERS1462.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFCL.pro
 Sample File : C:\2700\DATA\PAHFCL.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 1.01 Area Reject : 20000.00
 Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	RI
1		15.4	413160	21939.76	BB
2	PERYFLUORENE	15.4	879678	42826.05	MB
3	ANTHRACENE	16.8	644457	30787.00	BB
4		26.9	11883	2980.58	BB
5	FLUORANTHENE	29.9	1946726	73238.89	MB
6	PERYFLUORENE	31.2	1477803	55541.97	MB
5413706				227314.25	

Chromatogram

48 125

FileName : C:\2700\DATA\1\AF-175.raw

Date : 12/15/93 9:54 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

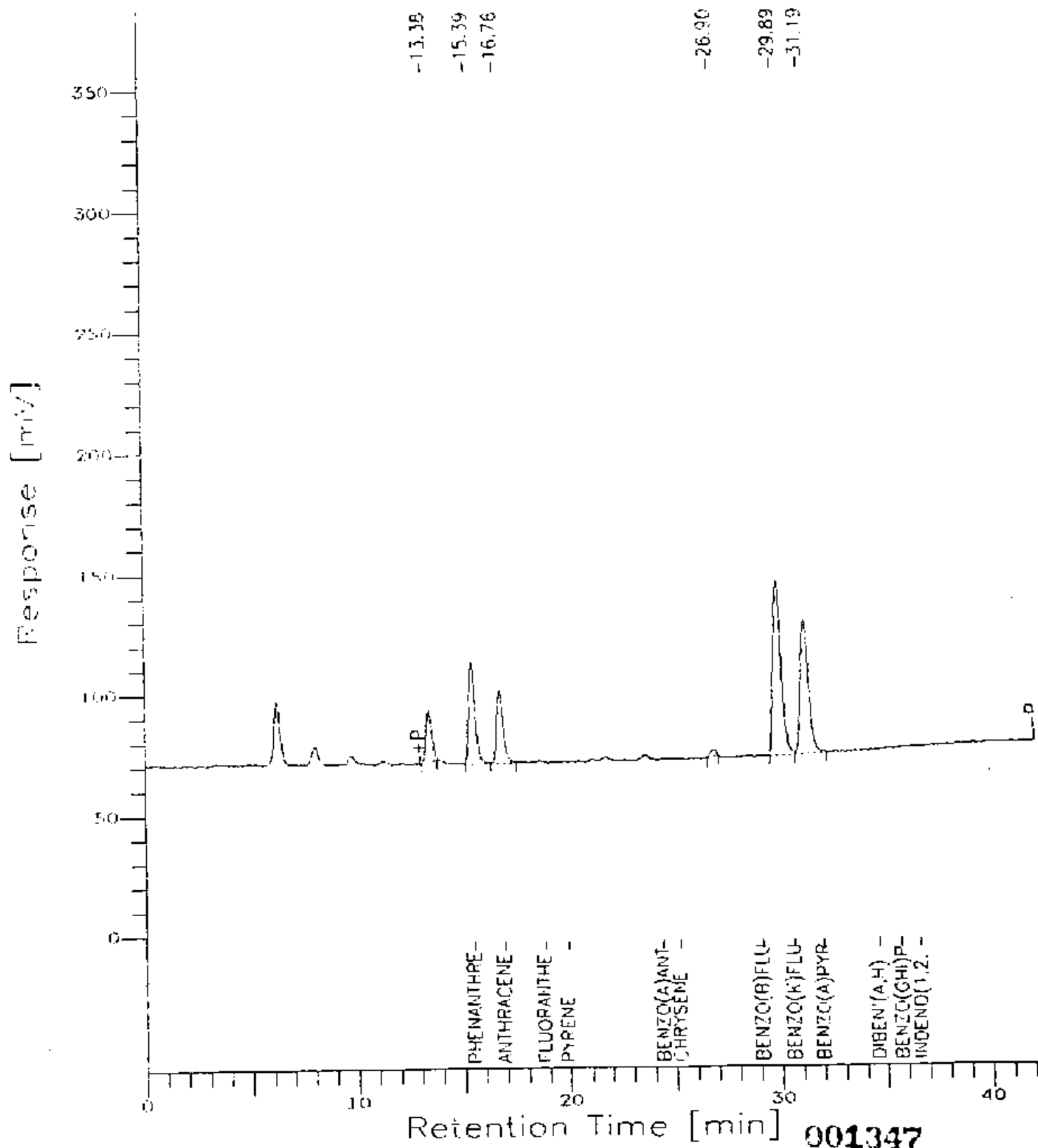
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset: +3 mV

Plot Scale: 360 mV



001347

=====

Sample Name : C00H1W*37 Time : 12/15/93 9:58 AM
 Sample Number : 176 Study :
 Operator :

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 7:30 PM
 Delay Time : 0.00 min.
 End Time : 12.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AF-176.raw
 Result File : D:\TEMP\TER8001E.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : D:\2700\DATA\default.seq

Inj. Volume : 1 n Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time (min)	Area (uV-sec)	Height (uV)	GL
1		21.6	1144784	51577.77	BB
2		23.6	77149	5080.66	BB
3	CHRYSENI	25.1	239731	13511.24	BB
4	INDENO(1,2,3-CD)PYRN	36.5	87760	6368.45	BB
			1549423	76538.13	

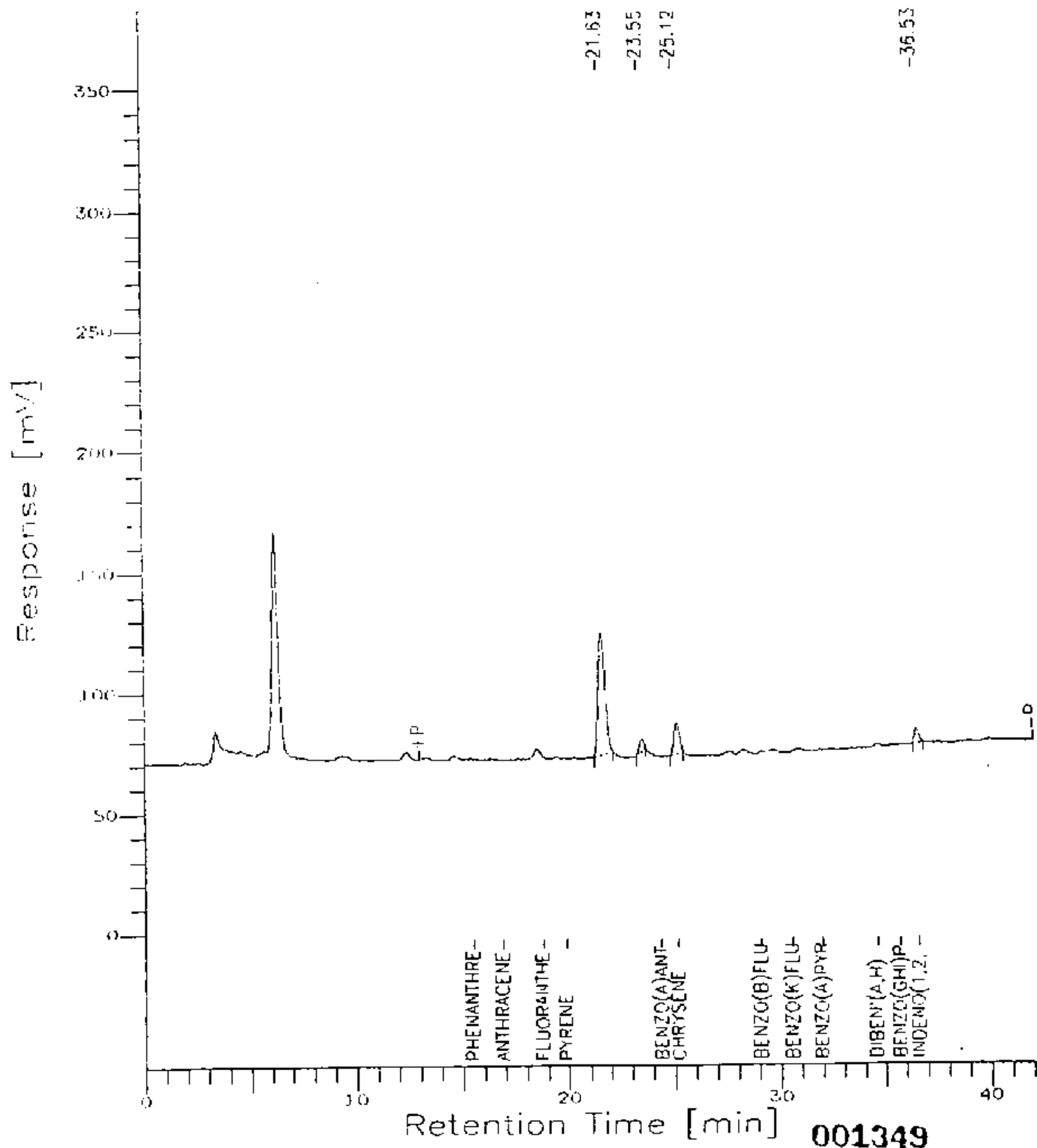
Chromatogram

48 127

Filename : C:\2700\DATA\IAF-176.raw
 Start Time : 0.00 min End Time : 42.00 min
 Scale Factor : 0 Plot Offset : -3 mV

Date : 12/15/93 9:58 AM
 Low Point : -3.00 mV
 Plot Scale: 360 mV

Page 1 of 1
 High Point : 357.00 mV



001349

Sample Name : CDDMTW*22 Time : 12/15/93 10:00 AM
 Sample Number : 177 Study :
 Operator :

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 8:25 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-177.raw
 Result File : D:\TEMP\TERSIN20.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1	FLUORANTHENE	18.5	564875	27020.09	BB
2		21.6	1165615	50536.62	BB
3		23.7	160843	9606.40	MM
4	BENZ(A)ANTHRACENE	23.9	223005	11240.64	MM
5		27.6	177496	5258.95	RV
6	BENZ(B)FLUORANTHENE	28.3	469956	18109.12	VB
7	BENZ(K) FLUORANTHENE	29.7	423918	17491.40	BB
8	BENZ(D)PYRENE	31.1	324556	13351.38	RR
9	BENZ(E)ANTHRACENE	34.7	62094	3407.84	BB
10	INDENO(1,2,3-CD)PYRENE	36.6	238878	16152.75	BB
11		40.0	190964	6182.38	BB

4002200 178357.77

Chromatogram

48 129

Filename: C:\Z700\DATA\1AF-177.raw

Date: 12/15/93 10:01 AM

Page 1 of 1

Start Time: 0.00 min

End Time: 42.00 min

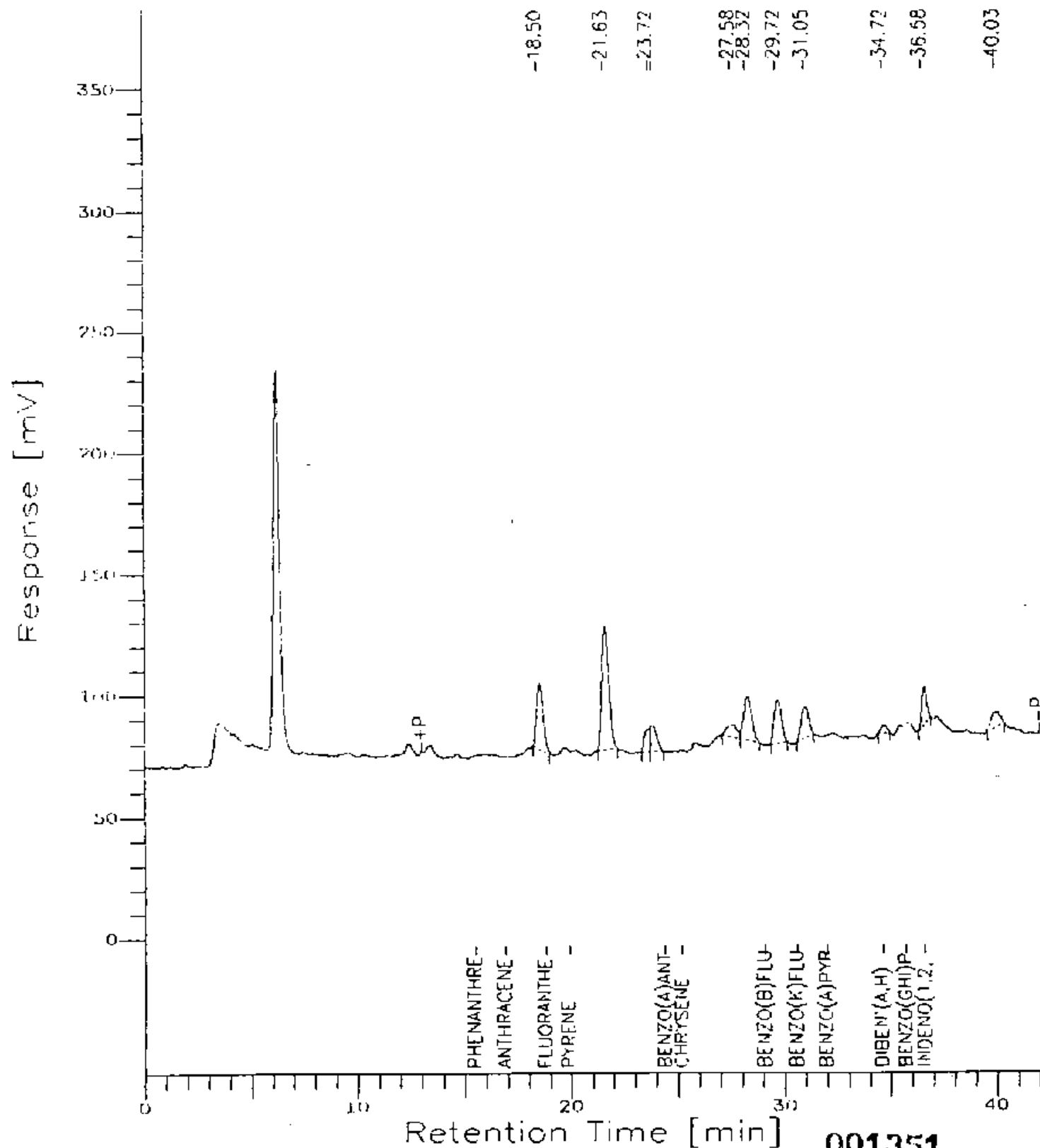
Low Point: -3.00 mV

High Point: 357.00 mV

Scale Factor: 0

Plot Offset: +3 mV

Plot Scale: 360 mV



001351

=====

Sample Name : CCS*239121-B5*23 Time : 12/15/93 10:02 AM
 Sample Number : 176 Study :
 Operator :

Interface # : 1 Channel : 8 A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/5/93 9:20 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-178.raw
 Result File : D:\TEMP\TER30808.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 (l) Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time [min.]	Area [uV-sec.]	Height [uV]	BL
1		13.2	20313740	900563.06	BB
2	PI-1-NANTHRENE	15.3	2720146	131096.38	MM
3	ANTHRACENE	16.6	3098283	147717.88	MM
4	FLUORANTHENE	18.5	4173694	189903.00	MM
5	PYRENE	19.6	2091420	90103.58	MM
6		21.0	64462	3482.32	BV
7		21.6	1890686	82337.03	VB
8	BENZO(G)ANTHRACENE	23.9	3851706	161133.67	MM
9	CHRYSENE	24.6	5824728	146207.56	MM
10	BENZO(B)FLUORANTHENE	28.3	4512655	171210.75	MM
11	BENZO(K)FLUORANTHENE	29.8	3005623	110947.34	MM
12	BENZO(G)PYRENE	31.1	4329833	161069.97	MM
13	DIBENZ(A,H)ANTHACENE	33.6	3333872	125066.98	BV
14	BENZO(GH1)PERYLENE	34.7	2922485	112632.08	VV
15	INDENO(1,2,3-CD)PYRNE	35.5	2956730	109356.52	VB
16		38.3	507202	17305.16	BB
			63597272	2.66e6	

=====

Chromatogram

FileName : C:\2700\DATA\IAP-178.raw

Date : 12/15/93 10:02 AM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

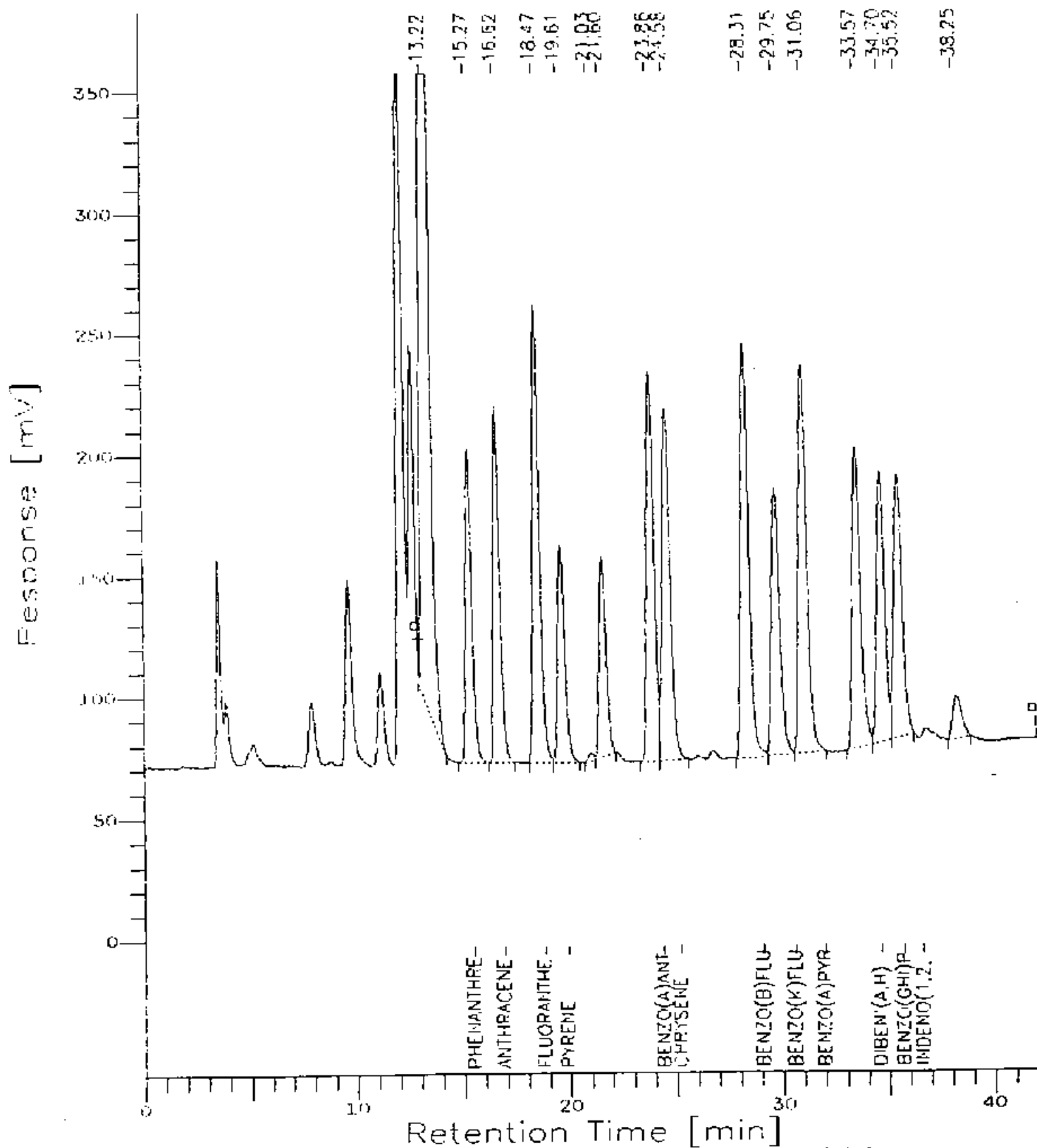
Low Point : -3.00 mV

High Point : 357.00 mV

Scale factor : 0

Plot Offset : -3 mV

Plot Scale: 360 mV



001353

MISCELLANEOUS DOCUMENTS SECTION

BATCH# G44 589

Contains the following copies (NA those not required):

1. Sample arrival notice(s) ✓
2. Extraction logbook page(s) ✓
3. Extraction personal notebook page(s) ✓
4. % Moisture data sheet NA
5. Extract chain of custody logbook page ✓
6. Analyst notebook pages of standard preparation and concentrations ✓
7. Standard solutions inventory ✓
8. Instrument logbook page(s) ✓
- see batch printout* 9. Example calculation ✓
10. Error correction codes ✓

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1243 ***

C# 1 OF 5

PROJECT NUMBER 7934082G 0201 PROJECT NAME HUNTSVILLE COE - DDMT
FIELD GROUP CDDMTW PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBER

COLLECTION DATES: A-11/17/93 B-11/18/93

RECEIPT DATES : A-11/18/93*11/19/93 B-11/18/93*11/19/93

LAB DUE DATES : A-12/16/93*12/17/93 B-12/16/93*12/17/93

TURNAROUND : MATRIX : N DET. LIMIT SPEC'D : NONE SPECIFIED

QC : SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP

COMMENTS/OC FR:

COLLECTION DATE CODES: BBBABBBB
RECEIPT DATE CODES: BBBABBBB
LAB DUE DATE CODES: BBBABBBB

			EXTRACT	DET. LMT.	122334444
			GROUP	CRITERIA	6512270567
001	ACENAPHTHENE	,UG/L	34205*8310/3520-G	610	EEEEEEEEEE
002	ACENAPHTHYLENE	,UG/L	34200*8310/3520-G	610	EEEEEEEEEE
003	ANTHRACENE	,UG/L	34220*8310/3520-G	610	EEEEEEEEEE
004	BENZO(A)ANTHRACENE	,UG/L	34526*8310/3520-G	610	EEEEEEEEEE
005	BENZO(A)PYRENE	,UG/L	34247*8310/3520-G	610	EEEEEEEEEE
006	BENZO(B)FLUORANTHENE	,UG/L	34230*8310/3520-G	610	EEEEEEEEEE
007	BENZO(GH)PERYLENE	,UG/L	34521*8310/3520-G	610	EEEEEEEEEE
008	BENZO(K)FLUORANTHENE	,UG/L	34242*8310/3520-G	610	EEEEEEEEEE
009	CHRYSENE	,UG/L	34320*8310/3520-G	610	EEEEEEEEEE
010	DIBEN(A,K)ANTH'CEME	,UG/L	34556*8310/3520-G	610	EEEEEEEEEE
011	FLUORANTHENE	,UG/L	34376*8310/3520-G	610	EEEEEEEEEE
012	FLUORENE	,UG/L	34381*8310/3520-G	610	EEEEEEEEEE
013	INDENO(1,2,3-CD) PYRENE	,UG/L	34403*8310/3520-G	610	EEEEEEEEEE
014	NAPHTHALENE	,UG/L	34696*8310/3520-G	610	EEEEEEEEEE
015	PHENANTHRENE	,UG/L	34461*8310/3520-G	610	EEEEEEEEEE
016	PYRENE	,UG/L	34469*8310/3520-G	610	EEEEEEEEEE
017	ALDRIN	,UG/L	39330*8080/3520-G	8080W	EEEEDEEEEE
018	BHC, A	,UG/L	39337*8080/3520-G	8080W	EEEEDEEEEE
019	BHC, B	,UG/L	39338*8080/3520-G	8080W	EEEEDEEEEE
020	BHC, D	,UG/L	34259*8080/3520-G	8080W	EEEEDEEEEE
021	BHC, G (LINDANE)	,UG/L	39340*8080/3520-G	8080W	EEEEDEEEEE
022	CHLORDANE	,UG/L	39350*8080/3520-G	8080W	EEEEDEEEEE
023	DDD, PP'	,UG/L	39310*8080/3520-G	8080W	EEEEDEEEEE
024	DDE, PP'	,UG/L	39320*8080/3520-G	8080W	EEEEDEEEEE
025	DDT, PP'	,UG/L	39300*8080/3520-G	8080W	EEEEDEEEEE
026	DIELDRIN	,UG/L	39380*8080/3520-G	8080W	EEEEDEEEEE
027	ENDOSULFAN, A	,UG/L	34361*8080/3520-G	8080W	EEEEDEEEEE
028	ENDOSULFAN, B	,UG/L	34356*8080/3520-G	8080W	EEEEDEEEEE
029	ENDOSULFAN SULFATE	,UG/L	34351*8080/3520-G	8080W	EEEEDEEEEE
030	ENDRIN	,UG/L	39390*8080/3520-G	8080W	EEEEDEEEEE
031	ENDRIN ALDEHYDE	,UG/L	34366*8080/3520-G	8080W	EEEEDEEEEE
032	HEPTACHLOR	,UG/L	39410*8080/3520-G	8080W	EEEEDEEEEE
033	METHOXYCHLOR	,UG/L	39460*8080/3520-G	8080W	EEEEDEEEEE
034	HEPTACHLOR EPOXIDE	,UG/L	39470*8080/3520-G	8080W	EEEEDEEEEE
035	TOXAPHENE	,UG/L	39400*8080/3520-G	8080W	EEEEDEEEEE
036	PCB-1016	,UG/L	34671*8080/3520-G	8080W	EEEEDEEEEE
037	PCB-1221	,UG/L	39488*8080/3520-G	8080W	EEEEDEEEEE
038	PCB-1232	,UG/L	39492*8080/3520-G	8080W	EEEEDEEEEE
039	PCB-1242	,UG/L	39496*8080/3520-G	8080W	EEEEDEEEEE
040	PCB 1248	,UG/L	39500*8080/3520-G	8080W	EEEEDEEEEE

O-OPEN L-IN LAB E-EXTRACTED N-NOT REQUESTED D-DONE S-SCHEDULED
* "SURET" - NOT ON DEPT AVAIL NIMS

001355

OBJECT Huntsville COC DDMT79340000 0201
DLC/CDS

8310 H2O

Sample CDDMTW 42, 37, 31 m2, 31 m2, Spt, Blk

*NOTE TRAPPING CDS

- 1) Set up Cont Ext with 400 ml M2PH
- 2) Poured up 100 ml of sample using HPC H₂O for AC
- 3) Checked and adjusted pH
- 4) Sealed
- 5) Run on 1:30 pm

DLC 11-22-93

- 1) Run off at 7:30 AM 11-23-93.
- 2) Poured up into KO's/receivers thru silene treated glasswool and baked Na₂SO₄ funnels.
- 3) Cons. to ~ 10 ml.
- 4) Placed in Fridge 29.

CAG 11-23-93

Substant spec. 40 ACW, brought to 5.0 ml in. shortly prior.
BMD 12-1-93

Continued on Page

[Signature]
Signed

11-22-93
Date

Read and Understood By

[Signature] 12-1-93
Signed

001357 Date

SAMPLES: CND MW 22, 97, 9704, 3702D, Spt. 1/1

SAMPLE FRACTION: LC

EXTRACTION SOLVENT: Methylene Chloride

8310 H2O CHECKLIST

1. Set up cont. ext. with 400ml MeCl₂
2. Pour up 1L of sample into a mixing cylinder
Use HPLC H₂O for QC
3. Check PH of the sample, adjust PH to 12 PH = 7/12
4. Spike the samples
5. Extract for 18 hours time on 1:30pm time off 7:30am
6. Concentrate to 10ml at 65-70 degrees C
7. Solvent exchange to ACN at 85 degrees C
8. Take to 5.0ml ACN
9. Place samples in fridge C

DC/CDC
11-22-93

✓
✓
✓
✓

DC 11-22-93
time on 1:30pm time off 7:30am

CAC 11-23-93

BMO 12-1-93

↓

QC REQUIRED

BLK
SPK
MS
MSD

YES	NO
✓	
✓	
✓	
✓	

MeCl₂ LOT# BG105
ACN LOT#
HPLC H₂O LOT# BG346

Chain of Custody	TO HODGS LAB REC DEC 11-22-93	TO Fridge 24 CAC 11-23-93	LC MW 22, 97, 9704, 3702D, Spt. 1/1 BMO 12-1-93

001358

B-0376

48 137

EXTRACT
CHAIN OF CUSTODY
LOG

001359

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
ORGANIC LABORATORY SAMPLE CHECK IN/OUT LOG

FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CPMTHK 22, 30	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CPMTHK 19, 20, 28, 30, 31, 33, 34, 48-51	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CUWRAK 54, 48	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CPMTHK 22, 30, 37	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CUWRAK 1-3	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CUWRAK 5-7, 16-18, + QC	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CUWRAK 13, 28-28, 34-36, 41-41 + QC	12-1-53			
FIELD GROUP AND SAMPLE SEQUENCE	DATE/TIME IN	DATE/TIME OUT	EXTRACT TYPE	
CUWRAK 13, 28-28, 34-36, 41-41 + QC	12-1-53			

(ORGANLAB 07/91)

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NOTE BOOK 801

PROJECT PAH STANDARDS SPIKES

Continued From Page 22

5-18-91

801241-A

PHENANTHRENE CHEM SERVICE LOT# 20-52-A 99% Purity STD
 $25.2 \text{ mg} / 25 \text{ mL} \times 0.99 \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 997,920 \text{ PPB}$

801242-A

PHENANTHRENE CHEM SERVICE LOT# 20-52-A 99% Purity SPIKE
 $35.9 \text{ mg} / 25 \text{ mL} \times 0.99 \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 3,554,100 \text{ PPB}$

801243-A

FLUORANTHRENE ALDRICH LOT# 021010X 98% STD
 $26.5 \text{ mg} / 25 \text{ mL} \times 0.98 \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 1,038,900 \text{ PPB}$

801244-A

PYRENE ALDRICH LOT# 01816ML 99% Purity STD
 $26.2 \text{ mg} / 25 \text{ mL} \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 1,048,000 \text{ PPB}$

801245-A

1-METHYLNAPHTHALENE ALDRICH LOT# 03410BP 99% Purity STD
 $101.7 \text{ mg} / 25 \text{ mL} \times 0.99 \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 4,027,320 \text{ PPB}$

801246-A

2-METHYLNAPHTHALENE ALDRICH LOT# 03410BP 98% Purity STD
 $96.0 \text{ mg} / 25 \text{ mL} \times 0.98 \times 1000 \text{ mL} / 1 \text{ L} \times 1000 \text{ ng} / 1 \text{ g} = 3,371,200 \text{ PPB}$

* ALL STANDARDS ON THIS PAGE WERE WEIGHED USING A METTLER HX100
 SERIAL # C45266

Continued on Page

B. J. [Signature]
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5-20-91

Date

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P. J. [Signature]
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5/20

PROJECT PAH STANDARDS

801791-A NAPHTHALENE
ALDRICH LOT# 04018MY, 99%T

$$\frac{29.8 \text{ mg}}{10 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{kg}} \times \frac{1000 \text{ mL}}{\text{L}} = 2,950,200 \frac{\text{mg}}{\text{L}}$$

801792-A ACENAPHTHYLENE
CHEMSERVICE LOT# 33-1818, 97.5%

$$\frac{39.3 \text{ mg}}{10 \text{ mL ACN}} \times 0.975 \times 1000 \frac{\text{mg}}{\text{kg}} \times \frac{1000 \text{ mL}}{\text{L}} = 3,831,750 \frac{\text{mg}}{\text{L}}$$

801793-A 1-METHYLNAPHTHALENE, 98%
ALDRICH LOT# 024108P, 98% Purity

$$\frac{1.014 \text{ mg}}{25 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{kg}} \times \frac{1000 \text{ mL}}{\text{L}} = 4,015,440 \frac{\text{mg}}{\text{L}}$$

801794-A 2-METHYLNAPHTHALENE
ALDRICH LOT# 0040687, 98% Purity

$$\frac{8.516 \text{ mg}}{25 \text{ mL ACN}} \times 0.98 \times 1000 \frac{\text{mg}}{\text{kg}} \times \frac{1000 \text{ mL}}{\text{L}} = 3,355,520 \frac{\text{mg}}{\text{L}}$$

801795-A ACENAPHTHENE
CHEMSERVICE LOT# 02-98A, 99%

$$\frac{66.4 \text{ mg}}{10 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{kg}} \times \frac{1000 \text{ mL}}{\text{L}} = 6,573,600 \frac{\text{mg}}{\text{L}}$$

Continued on Page 80

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PROJECT PAR - STANDARDS

801801-A FLUORENE
CHEM SERVICE LOT# 50-66, 99%

$$\frac{16.3 \text{ mg} \times 1000 \mu\text{g}}{25 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ mg}} = 652,000 \frac{\mu\text{g}}{\text{L}}$$

801802-A PHENANTHRENE
CHEM SERVICE LOT# 52-23A, 99%

$$\frac{13.5 \text{ mg} \times 0.99 \times 1000 \mu\text{g}}{25 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ mg}} = 535,600 \frac{\mu\text{g}}{\text{L}}$$

801803-A ANTHRACENE
CHEM SERVICE LOT# A120-B, 97.0%

$$\frac{9.1 \text{ mg} \times 0.97 \times 1000 \mu\text{g}}{10 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ mg}} = 882,700 \frac{\mu\text{g}}{\text{L}}$$

801804-A FLUORANTHRENE
ALDRICH LOT# 025010X, 98%

$$\frac{13.0 \text{ mg} \times 0.98 \times 1000 \mu\text{g}}{10 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ mg}} = 1,274,000 \frac{\mu\text{g}}{\text{L}}$$

801805-A PYRENE
ALDRICH LOT# INT-DIRIGAL, 99%+

$$\frac{6.6 \text{ mg} \times 1000 \mu\text{g}}{25 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ mg}} = 264,000 \frac{\mu\text{g}}{\text{L}}$$

Continued on Page 8

B. J.

11-22-91

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J. K. Kottler

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22

PROJECT: AIR-STRIPING

801811-A: BENZO(b)ANTHRACENE
CHEM SERVICE LOT # 54-108, 98.5%

9.9mg x 0.985 x 1000mg x 1000mg = 975.50mg
10ml ALN

801812-A: CHRYSENE
ALDRICH LOT # 012-211, 98%

55mg x 0.98 x 1000mg x 1000mg = 715.60mg
25ml ALN/ALN
1ml 3ml 2ml

801813-A: BENZO(b)FLUORANTHENE
CHEM SERVICE LOT # 54-108, 99.0%

73mg x 0.99 x 1000mg x 1000mg = 722.70mg
10ml ALN/ALN
2ml 8ml

801814-A: BENZO(k)FLUORANTHENE
CHEM SERVICE LOT # 30-70, 99.0%

55mg x 0.99 x 1000mg x 1000mg = 544.50mg
10ml ALN/ALN
2ml 8ml

801815-A: BENZO(a)PYRENE
ALDRICH LOT # 147057, 98%

113mg x 0.98 x 1000mg x 1000mg = 1,107.40mg
10ml ALN/ALN
2ml 8ml

continued on Page 81

Continued on Page 82

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Date

B. J.
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11-22-91
Date

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J. R. Rattner
Signed

H. R. Rattner
Date

001365

PROJECT 2-11-57-100-5

801821-A	DIBENZOLANTHRACENE	90% ALDRICH LOT# 015021
4.6	V.O. 89 x 1000 ml x 1000 ml = 455,800	10 ml BURNING
10 ml	2.4	8 ml
801822-A	BENZOPERYLENE	98% ALDRICH LOT# 01810 PV
7.9 ml	x 0.88 x 1000 ml x 1000 ml = 734,200	10 ml
10 ml	2.4	8 ml
801823-A	INDENO(1,2,3-c,d)PYRENE	98.5% CHEM SERVICE LOT# 55-18A
5.0 ml	x 0.99 x 1000 ml x 1000 ml = 497,500	10 ml BURNING
10 ml	2.4	8 ml
801824-A	TRIPHENYLENE	98% ALDRICH LOT# 059224N
15.1 ml	x 0.98 x 1000 ml x 1000 ml = 1,479,800	10 ml A.W.
10 ml	2.4	8 ml

Continued on Page 83

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11-22-71
Date

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001366

NOTEBOOK 856

001367

PAH SPIKE SOLUTION

PAH SPIKE SOLUTION		CONTAINS:	mg/L
0.4 mL of	801791-A	NAP 2950	59,000
0.4 mL of	801792-A	ANP 3832	76,635
0.2 mL of	801795-A	ANE 6574	65,736
2.0 mL of	801801-A	FLU 652	65,200
4.0 mL of	801802-A	PHN 5346	106,920
2.0 mL of	801803-A	ANT 812.7	81,270
1.2 mL of	801814-A	BRF 5415	5,415
0.2 mL of	801815-A	BAP 1107	11,074

RDB 2-5-92

856012-A, NAPHTHALENE

75.5 mg in 25 mL ACN = 3020 mg/mL

856013-A, ACENAPHTHYLENE

85.4 mg in 10 mL ACN = 8540 mg/mL

856014-A, ACENAPHTHENE

75.0 mg in 10 mL ACN = 7500 mg/mL

856015-A, FLUORENE

17.7 mg in 10 mL ACN = 1770 mg/mL

Continued on Page 2

Weighed on balance #4, Mettler-JE160 5/0 C48266

Robert L. Sabin

Signed

2-6-92

Date

B. Johnson

Signed

2-10-92

Date

PROJECT PAH STOCK SOLUTIONS

Continued from Page 1

856021-A	PHENANTHRENE		
17.8 mg in 10 mL ACH = 1780 μ /mL			
856022-A	ANTHRACENE		
10.7 mg in 10 mL Benzene/Acetone/nitro = 1070 μ /mL			
856023-A	BENZO(K)FLUORANTHENE		
4.8 mg in 10 mL acetone/Acetone/nitro = 480 μ /mL			
856024-A	BENZO(A)PYRENE		
15.2 mg in 10 mL Benzene/Acetone/nitro = 1520 μ /mL			
Weighed on balance #4 Mettler AE160			ROS 2-6-92
S/N C48266			
//			
856025-A	Combined PAH Stock #1, contains:		
0.25 mL of 801804-A, FLAN, 1274 μ /mL			31.85 μ /mL
0.4 mL of 801811-A, BAA, 975.2			39.01
0.35 mL of 801813-A, BBF, 722.7			25.29
0.3 mL of 856023-A, BKF, 480		10 mL ACH	14.4
0.25 mL of 856024-A, BAP, 1520			38.0
2.0 mL of 801821-A, DBA, 1455.4			145.54
Read and Understood By			
Robert D. Smith	2-7-92	Ben Johnson	2-10-92
Signed	Date	Signed	Date

PROJECT		CONTINUED FROM PAGE 2	
856022-856031-A, Combined PAH Stock #2, contains:			
3 mL of 856012-A, NAP, 3020 $\mu\text{g/mL}$		362.4 $\mu\text{g/L}$	
1.5 mL of 856013-A, ACU, 8540		512.0	
3 mL of 856014-A, ACUE, 7500		900	
1.4 mL of 856015-A, FULL, 1770		99.12	
8.5 mL of 801245-A, 1-MN, 4027	25 mL ACN	563.8	
2.75 mL of 801246-A, 2-MN, 3371		370.8	
0.2 mL of 856021-A, PHE, 1780		14.24	
0.85 mL of 856022-A, ANT, 1070		14.98	
856032-A, Combined PAH Stock #3, contains:			
4.0 mL of 801805-A, PPK, 260 $\mu\text{g/mL}$		105.6 $\mu\text{g/L}$	
3.7 mL of 801812-A, CAY, 215.6	10 mL ACN	79.77	
1.15 mL of 801822-A, BIP, 774.2		11.01	
0.15 mL of 801823-A, IDP, 997.5		7.46	
856025-C, 0.1 mL of "A" to 10 mL ACN (Intermediate level)			
801824-C, 0.1 mL of "A" to 10 mL ACN (Intermediate level)			
14.8 $\mu\text{g/mL}$ Triphenylene		Continued on Page	
Read and Understood By			
<i>Robert D. Behr</i>	2-7-92	<i>Bartholomew</i>	2-10-92
Signed	Date	Signed	Date

0-92

Date

001370

PROJECT: PAW CANADIAN T-5A-1580

Notebook No. B56

Continued From Page

- 856701-A

BENZ(D) PYRENE, ALDRICH LOT 149027X 98% purity

4.1 mg = 160,720 PPB

2.5 ml H₂O

- 856702-A

BENZ(D) PERYLENE, ALDRICH LOT C1810PX 98% purity

7.8 mg = 305,760 PPB

2.5 ml H₂O

- 856703-A

BENZ(D) ANTHRACENE, CHEM SERVICE, LOT 45-68A pur=98.5%

4.7 mg = 185,180 PPB

2.5 ml H₂O

- 856704-A

BENZ(D) FLUORANTHENE, CHEM SERVICE LOT H-189, pur=98.1%

6.3 mg = 246,960 PPB

2.5 ml H₂O

- 856705A

BENZ(D) FLUORANTHENE, CHEM SERVICE LOT # 30-68, pur=99%

7.3 mg (5.5 mg + 1.8 mg) = 289,180 PPB

2.5 ml H₂O (2 ml H₂O + 0.5 ml H₂O)

* BALANCE Model No. AE160 Serial # B94267

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B. J. [Signature]

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1-6-93

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Killy [Signature]

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Date

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PROJECT PAH-CALCULATION STANDARDS

Continued from Page 70

856711-A

Triphenylene Aldrich Lot# 05922CV, 98%

4.8mg
10mL (9mL MeOH:1mL ACN) = 470.4 PPM

856712-A

Triphenylene, Same source as 856711-A

10.0mg
10mL (9mL MeOH:1mL ACN) = 980.0 PPM

856711-C2

Triphenylene Surrogate Spike Solution

470,400 μ g/L 1mL 856711A = 9,408 μ g/L
50mL ACN

856713-A

1-METHYLNAPHTHALENE Aldrich Lot# 03410BP, 99%+

124.6
2.5mL ACN = 4984 PPM

856714-A

2-METHYLENE Aldrich Lot# 01406KT 98%

97.9mg
2.5mL ACN = 3917.2 PPM

BALANCE MATURE AS per SERIAL # B942EP

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BSP
Signed

1-8-93
Date

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Kathy Sullivan
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1-15-93
Date

1-10-93

856731-A

Benzo A ANTHRAcene, Chem Service, Lot# 45-698, 98.5%

$$\frac{7.8 \text{ mg}}{2.5 \text{ mL}} \times 0.985 = 307.22 \text{ PPM}$$

856732-A

CHRYSene, Aldrich Lot# 01221J5, 98%

$$\frac{6.1 \text{ mg}}{2.5 \text{ mL (1 mL ACN, 1 mL EPH, 2.5 mL ACN)}} \times 0.98 = 239.12 \text{ PPM}$$

856733-A

CHRYSene, Aldrich Lot# 1221J5, 98%

$$\frac{4.8 \text{ mg}}{2.5 \text{ mL (1 mL ACN, 1 mL EPH, 2.5 mL ACN)}} \times 0.98 = 188.16 \text{ PPM}$$

856734-A

TRIMETHYLENE, Aldrich Lot# 95922 CK, 98%

$$\frac{8.5 \text{ mg}}{10 \text{ mL (9 mL MeOH, 1 mL ACN)}} \times 0.98 = 83.3 \text{ PPM}$$

856735-A

STANDARD INCORPORATED BY 110-103

Benzo(a) PYRENE Ultra Pure, 99%

$$\frac{83.9 \text{ mg}}{2.5 \text{ mL (5 mL ACN; 1:24)}} = 328.68 \text{ PPM}$$

1-10-93

* RICHARD METZER ASKED SERIAL # 89287

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Date

001374

PROJECT PAN CALIBRATION STANDARDS

1-12-93

P A H STOCK STANDARD #1

856761-A

1 NAP 899253-A 3016,000 PPB 3mL 361,920 PPB

2 ASHAC 899254-A 1,948,000 PPB 5mL 623,360

3 1 MET 856713-A 4,864,000 PPB 3mL 583,680

4 2 MET 856714-A 2,937,600 PPB 3mL 460,520

5 FAU 899262-A 940,000 PPB 25mL 94,000

6 ART 899264-A 880,000 1mL 35,200

P A H STOCK STANDARD #2

856762-A

1 A C N G 899261A 2,240,000 PPB 10mL 896,000 PPB

2 P Y R 856722A 456,000 0.1mL 9,120

3 P H E N 899243A 1,216,000 0.2mL 24,320

4 T P N 856712A 980,000 0.1mL 19,600

Continued on Page

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B. Johnson
Signed1-12-93
DateB. Johnson
Signed1-15-93
Date

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PROJECT PAH CALIBRATION STANDARD

1-12-93

PAH STOCK STANDARD #3

856771-A

1)	AA	856721-A	341,000 PPB 0.2	1,344/100
2)	BAA	856731-A	307,320 0.2	1229.28
3)	BBF	856705-A	289,120 0.2	1152.4
4)	BAP	856723-A	278,920 0.2	1113.28

856772-A

Benzene (K) Fluoranthene Cal. Service Lot # 30-70 99% purity
7.6 x 94 = 714.4
25 (ml. Fluoranthene ml)

856773-A

Benzene (K) Fluoranthene Same as above (772-A)
8.6 x 94 = 808.4
25 (ml. Fluoranthene ml)

856772-C2

BKF

304,000 PPB 0.2 ml = 6080 PPB
10 ml. ml

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Date

B. al

Signed

1-15-93

Date

001376

PROJECT: ANALYSIS OF CALIBRATION

Background

FAST

Downloaded From:

774

1	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	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5

1	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	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5

[illegible]

~~CONFIDENTIAL - SECURITY INFORMATION~~

C R Y	856732-A	239.20 PPR	11	11956 PPR

BIKE	8567742	6080	0.5	157.0

B	P	85670-A	345740V	Q. 11	15880

P	A	H	S	T	O	C	K	S	T	A	N	D	A	R	D	#	5

8	5	6	7	8	2	-	A

IDP	Chadwick L-29345 / 1001	DO, 020/115	02nd	n	2000	PRB

DBA	Chm	Sr	100	90.85B	100.110 MB	Q224L	✓	2040 P13

Continued on Page 10

B. Johnson
Signed

Summary

1-12-83

Date:

Flood and Understood By

B. A. L.

Stones

1-15-93

Order

001377

PROJECT PAN CALIBRATION STANDARD

1-12-93

856791A

The following PAN STOCK WORKING STANDARD LINE ARE PREPARED

856761-A

2.5mL

856762-A

2.5mL

856771-A

1mL

2.5mL AGN → 856791-A

856781-A

2.5mL

856782-A

1.2mL

Continued on Page

93

R. B. Johnson
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1-12-93

Date

Read and Understood By

W. H. Miller
Signed

1/15/93

Date

001378

PROJECT EPA 210 STANDARD CONCENTRATION

Notebook No. 956

Continued From Page 79

85679	CONCENTRATION	LEVELS	Conc. from Page 79
NAPHTHALENE 856761-A	3,652.0 PPB	2.5 mL / 2.5 mL	= 36,520 PPB
ACENAPHTHYLENE 856761-A	623,360 PPB	2.5 mL / 2.5 mL	62,336
1-MET. NAPHTH 856761-A	583,420 PPB	2.5 mL / 2.5 mL	58,368
2-MET. NAPHTH 856761-A	460,520 PPB	2.5 mL / 2.5 mL	46,052
ACENAPHTHENE 856762-A	896,000 PPB	2.5 mL / 2.5 mL	89,600
FLUORANTHENE 856762-A	94,000 PPB	2.5 mL / 2.5 mL	9,400
TRIPHENYLENE 856762-A	19,600 PPB	2.5 mL / 2.5 mL	1,960
PHENANTHRENE 856762-A	24,320 PPB	2.5 mL / 2.5 mL	2,432
ANTHRAcene 856764-A	35,200 PPB	2.5 mL / 2.5 mL	3,520
FLUORANTHENE 856771-A	1,364 PPB	1 mL / 2.5 mL	54,560
PIRENE 856772-A	9,120 PPB	2.5 mL / 2.5 mL	912
BENZ(A)ANT 856771-A	122,928 PPB	1 mL / 2.5 mL	48,768
CHRYSENE 856771-A	11,956 PPB	2.5 mL / 2.5 mL	1,195.6
BENZ(B)FL 856771-A	46,256 PPB	1 mL / 2.5 mL	46,256
BENZ(B)FL 856781-A	152.0 PPB	2.5 mL / 2.5 mL	15,200
BENZ(A)PIR 856771-A	1,132.8 PPB	1 mL / 2.5 mL	44,531
DIBENZ(A,H) 856781-A	2,000 PPB	2 mL / 2.5 mL	96
BENZ(B,A,L) 856781-A	1528.80 PPB	2.5 mL / 2.5 mL	152.88 W
INDENO(1,2,3-B) 856782-A	2000 PPB	1.2 mL / 2.5 mL	96

Continued on Page

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DateB. Johnson
Signed1-15-93
Date

001379

PROJECT CCV- STD. PAH0015 CONTINUED FROM PAGE 21

1-13-93

- CCV SOLUTION # 3, EPA 610

856813-C

100 mL of 856813-A into 10 mL of ACN, plus 8 mL ACN

	25.440	25.440
FLAN	24,740 PPB	24.40 PPB
BAA	19,503	19.503
DAE	14,454	14.454
BAP	30,400	30.400

10 mL ACN

- 856821-A

CCV SOLUTION # 4, EPA 610

DBA	801821-A	455,400 PPB	0.2 mL	3,443.7 PPB
TDP	801823-A	447,500	0.2 mL	3,980.0

25 mL ACN

856822-A

Benz (g/L) POLYMER, ULTRA-SOLVENTIAL C3012-ALC, 99.9%

2.38 mg

25 mL (CHAM 2.23) = 2.97,000 PPB

~~856833-C2~~

~~DAE 856773-A 0.2 mL - 10 mL ACN~~

~~1-13-93~~

Continued on Page

Signed [Signature] Date 1-13-93 Read and Understood By [Signature] Date 1-15-93

PROJECT CCV STA PAH 610

Notebook No. 858

Continued From Page 83

856773-C2

BKF 856773-A 848,000 PPB x 0.2 mL = 6,880 PPB
10 mL x 10

CCV SOLUTION #5 EPA 610

- 856831-A

BKF 856733-A 183,160 PPB 0.6 mL 5,144.8 PPB

BKF 856773-C2 6,880 0.2 mL 70 mL 88.50

BIF 856822-A 292,000 0.1 mL 1,460 ✓

Continued on Page

B. Al
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1-10-93
Date

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15
1-15-93
86 104
1-15-93

PROJECT DOV SEP PAH GID

Notepad No. 1746

Continued From Page 1

1-13-93		CCV WORKING STOCK		EPA 410	
- 856841-A					
856811-A	2.5mL				
856812-A	0.2mL				
856813-C	2mL	2.5mL ACN → 856841-A			
856821-A	0.2mL				
856831-A	2.5mL				

Continued on Page

[Signature]
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1-13-63.
Date

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B. Al
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1-15-92

001383

PROJECT CCV WORKING STOCK Concentration EPA 610

Continued From Page 82

1	AMP	856811-A	362,400	PBB	2.5mL/5mL	=	36,240	PBB
2	ANAP	856811-A	512,400		2.5mL/5mL	=	51,240	
3	ANAF	856811-A	563,800		2.5mL/5mL	=	56,380	
4	2-MET	856811-A	370,800		2.5mL/5mL	=	37,080	
5	ALNE	856811-A	900,000		2.5mL/5mL	=	90,000	
6	FLA	856811-A	99,120		2.5mL/5mL	=	9,912	
7	PHAN	856811-A	14,340		2.5mL/5mL	=	1,434	
8	ANT	856811-A	14,980		2.5mL/5mL	=	1,498	
9	FLAN	856813-C	249,400 25.940 BT 10-11-93		2mL/5mL	=	19.95 20.38	
10	PUR	856812-A	25,000 2.500 BT 10-11-93		0.2mL/5mL	=	2.50 2.50	
11	BAA	856815-C	195.03		2mL/5mL	=	15.60	
12	CRY	856831-A	5,644.8		2.5mL/5mL	=	564.48	
13	BSE	856831-A	144.54 14.454 BT 10-11-93		2mL/5mL	=	11.56	
14	BSE	856831-A	68,800		2.5mL/5mL	=	6,880	
15	BAP	856813-C	304		2mL/5mL	=	24.32	
16	ORN	856821-A	3643.2		0.2mL/5mL	=	29.15	
17	BIP	856831-A	1,460		2.5mL/5mL	=	146	
18	IDP	856821-A	3980.0 11.60		0.2mL/5mL	=	31.84	
19	TAN	856812-A	1328 13.28 BT 10-11-93	NV	0.2mL/5mL	=	13328	Continued on Page V

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B. John

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1-15-93

Date

B. Al

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1-15-93

Date

001384

NOTEBOOK 899

PROJECT PAH STOCK SOLUTIONS

Notebook No. 299

Continued From Page

899241-A, NAPHTHALENE	ADmix LOT 18,450-D 04018MY 34 97% Pure
76.6 mg in 25 mL ACN = 3064 mg/mL	
899242-A, ACENAPHTHYLENE	CHEM SERVICE EXP 5-92 LOT 33-131B Exp 1 97.5% Pure
47.0 mg in 25 mL ACN = 1880 mg/mL	
899243-A, ACENAPHTHENE	CHEM SERVICE EXP 9/94 LOT 64-94A 98% Pure
54.3 mg in 25 mL ACN = 2172 mg/mL	
899244-A, FLUORENE	CHEM SERVICE EXP 2/93 LOT 30-65 97% Pure
25.3 mg in 25 mL ACN = 1012 mg/mL	
899245-A, PHENANTHRENE	CHEM SERVICE EXP 1/94 LOT 62 97% Pure
25.6 mg in 25 mL ACN = 1024 mg/mL	
899246-A, ANTHRACENE	CHEM SERVICE EXP 5/93 LOT 41-132 97.0% Pure
25.8 mg in 25 mL BENZENE/ACN = 1032 mg/mL	
899247-A, BENZO(K)FLUORANTHENE	CHEM SERVICE EXP 2/93 LOT 70 98.0% Pure
5.3 mg in 10 mL BENZENE/ACN = 530 mg/mL	
899248-A, BENZO(A)PYRENE	ADmix 9/94 LOT 147063T
5.2 mg in 10 mL BENZENE/ACN = 520 mg/mL	

Continued on Page

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Robert C. Korman

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12-17-92

Date

Robert P. Selig

Signed

12/12/92

Date

001386

899251-A BENZO(K)FLUORANTHENE/BENZO(A)PYRENE INTERMEDIATE

1.0 mL of 899247-A, BKF, 530 mg/mL
 1.0 mL of 899248-A, BAF, 1030 mg/mL
 1.0 mL ACN

899252-A, COMBINED PAH SPIKE SOLUTION, CONTAINS:

Volume	Compound	Concentration	Concentration
0.8 mL	899241-A, NAP	3064 mg/mL	93
1.3 mL	899242-A, ACNY	1960	102
1.2 mL	899243-A, ACNE	2172	104
0.8 mL	899244-A, FLU	1012	32.7
1.3 mL	899245-A, FHE	1024	52.2
1.2 mL	899246-A, ANT	1032	77.5
0.5 mL	899251-A, BKF/BAF	53/103	12.06 BAF 7 BKF 11.06

25.0 mL ACN

899253-A, NAPHTHALENE

ANALYST LOT 18450-0
 0.9418 PM ST
 99.7% Pure

75.4 mg in 25.0 mL ACN = 3016 mg/mL

899254-A, ACENAPHTHYLENE

ANALYST LOT 18450-0
 0.9418 PM ST
 99.7% Pure

48.7 mg in 25.0 mL ACN = 1948

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②
 12/14/72

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Date 12-17-72

001387

899261-A, ACENAPHTENE

Chem Service Exp 7/94 Lot 61-MA
99% Pure

56.0 mg in 25 mL ACN = 2240 mg/mL

899262-A, FLUORENE

Chem Service Exp 7/93 Lot 30-66
99% Pure

23.5 mg in 25 mL ACN = 940 mg/mL

899263-A, PHENANTHRENE

Chem Service Exp 7/74 Lot 61-23A
Pure: 99%

30.4 mg in 25 mL ACN = 1216 mg/mL

899264-A, ANTHRACENE

Chem Service Exp 2/02 Lot 41-22B
99.0% Pure

22.0 mg in 25 mL ACN = 880 mg/mL

BALANCES used for the above secondary preparation

ADD primary stocks were prepared on 10g balance beam, except for ANTHRACENE
 Sentron model AE160 serial # R94287
 calibration date 10-14-92

Location: TECHNICAL/TC Lab

The Anthracene primary stock was prepared on 52g balance
 in the small but used to 42g White Quartz extraction cell

Continued on Page

Robert C. Kammer

Signed

12-17-92

Date

Read and Understood By

S. J. Dillworth

Signed

1/4/95

Date

001388

LABORATORY NOTEBOOK

Notebook No.: 00939
Assigned to: Ben Johnson
Date: 4/19/93

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Rochester, New York
Printed in U.S.A.

5-19-93

939081-A ACENAPHTHYLENE 95% PURITY LOT #4-624 CHARLOTTE NC-6-15
 $\frac{10.1 \text{ mg}}{10 \text{ mL}} \times 0.95 \times \frac{1000 \text{ mL}}{1} = 959.5 \text{ mg/L}$

939082-A ACENAPHTHYLENE 95% PURITY CHARLOTTE NC-6-15 EX-2396
 $\frac{45.7 \text{ mg}}{10 \text{ mL}} \times 0.95 \times \frac{1000 \text{ mL}}{1} = 4341.5 \text{ mg/L}$

939083-A FLUORENTHYLENE ADRIAN WITH 059220V 98% EX-9-94
 $\frac{5.1 \text{ mg}}{10 \text{ mL}} \times 0.98 \times \frac{1000 \text{ mL}}{1} = 509.8 \text{ mg/L}$

939084A PYRENE CHARLOTTE WITH 110-68A Purity 98% EX-1-96
 $\frac{12.9 \text{ mg}}{10 \text{ mL}} \times 0.98 \times \frac{1000 \text{ mL}}{1} = 1264.2 \text{ mg/L}$

939085A CARBOLIC ACID WITH 059220V 98% EX-11-96
 $\frac{5.1 \text{ mg}}{10 \text{ mL}} \times 0.98 \times \frac{1000 \text{ mL}}{1} = 509.8 \text{ mg/L}$

Continued on Page

B. J.
 Signed

5-19-93
 Date

Read and Understood By
E. J. M. Hill
 Signed

5/24/93
 Date

5-20-93

939091 - R

-NAP	849253A	3,016,000 $\mu\text{g}/\text{h}$	$3 \frac{1}{2} \text{ mL} =$	361,720	$\mu\text{g}/\text{h}$
-NAP	939081A	3,809,500 $\mu\text{g}/\text{h}$	$4 \frac{1}{2} \text{ mL} =$	609,520	
-1-MET	856713A	4,864,000 $\mu\text{g}/\text{h}$	$3 \frac{1}{2} \text{ mL} =$	586,880	
-2-MET	856714A	3,877,600 $\mu\text{g}/\text{h}$	$3 \frac{1}{2} \text{ mL} =$	460,521.6	
-ACN	939082A	4,524,300 $\mu\text{g}/\text{h}$	$5 \frac{1}{2} \text{ mL} =$	904,860	
-FLU	849262A	940,000 $\mu\text{g}/\text{h}$	$2.5 \text{ mL} =$	94,000	
-TRN	939085A	529,200 $\mu\text{g}/\text{h}$	$1 \text{ mL} =$	21,168	
-PHEN	849263A	1,211,000 $\mu\text{g}/\text{h}$	$0.5 \text{ mL} =$	24,320	
-ANT	849264A	889,000 $\mu\text{g}/\text{h}$	$1 \frac{1}{2} \text{ mL} =$	35,200	
-PYK	939084A	1,264,200 $\mu\text{g}/\text{h}$	$0.2 \text{ mL} =$	10,112.6	V

Continued on Page

5/93
DateB/L
Signed5-19-93
Date

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S. A. McDaniel
Signed5/24/93
Date

001391

939101-A Dioxin (A) Dioxin (A) 77-11-25 191-24-2
 1,000,000 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 20,000 \text{ ng/L}$
 100,000 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 2,000 \text{ ng/L}$

939102-A Benzene (A) Benzene (A) 77-11-25 191-24-2
 6,000 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 120 \text{ ng/L}$
 0.5 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 10 \text{ ng/L}$

939103-A Benzene (A) Benzene (A) 77-11-25 191-24-2
 1,000,000 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 20,000 \text{ ng/L}$
 100,000 $\frac{0.2 \text{ mL}}{10 \text{ mL}} = 2,000 \text{ ng/L}$

Continued on Page

B. J.
 Signed

5-20-93

Date

Read and Understood By

Scott McCall
 Signed

5/24/93

Date

001392

93711-A

(ml/5ml)

FAN 856721-A 34,400 μ g/L 0.2 ml/5ml = 3,410BAA 856721-A 34,320 μ g/L 0.2 ml/5ml = 3,432BAF 856725-A 28,900 μ g/L 0.2 ml/5ml = 2,891BAP 856723-A 278,320 μ g/L 0.2 ml/5ml = 2,783.2IDC USE ENVIRONMENTAL
PHOSPHORUS 50,000 μ g/L 0.2 ml/5ml = 5,000

Continued on Page



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5-20-83

Date

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5/24/83

Date

001393

S. 20-93
939121-A

The following Stock PAN standards were made.

939085A

0.6 mL

939091A

5 mL

939101A

2.5 mL

939102A

5 mL

939103A

1 mL

939111A

1 mL

50 mL
PAN

SEE NEXT
PAGE FOR
CONCENTRATIONS

* SEE PAGE 13 FOR CALCULATION OF INDIVIDUAL
ANALYTES IN THIS STANDARD. THIS PAGE
IS TOO SMALL.

Continued on Page

OS/L
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5-20-93

Date

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5/24/93

Date

001394

PROJECT C-10 STD 934121-A
CALCULATION OF CONCENTRATIONS

Notebook No. 939

Continued From Page 12

1. NAP	361,920	100%			361,920
2. NAP	609,520	100%	* 5mL		60,952
3. NAT	586,680		* 5mL		58,668
4. NAT	460,520		* 5mL		46,052
5. AGE	904,800		* 5mL		90,480
6. FLU	94,000		* 5mL		9,400
7. PHN	24,300		* 5mL		2,430
8. ANT	35,200		* 5mL		3,520
9. FLU	3,400		* 5mL		68.2
10. PIR	10,180		* 5mL	5mL NON	101.86
11. BAA	3,032		* 1mL		66.664
12. CRY	99,900		* 10mL		1,999.52
13. BGE	2,891		* 1mL		57.82
14. BGE	152		* 5mL		15.2
15. BAP	2,783.2		* 1mL		55.664
16. DAA	12,000		* 2.5mL		100
17. BIC	8,000		* 1mL		160
18. IDI	5,000		* 1mL		100
19. TAN	21,168		* 5mL		2116.80

198

24/93

Date

Signed

5-11-93

Date

Read and Understood By

S. A. McNeil

Signed

5/24/93

Date

001395

5-20-93

The following dilutions were made of
standards 939121-A using 12ml

ml 939121-A / final volume / final

939121-A5

5ml / 10ml

939121-B2

2ml / 10ml

939121-B

2ml / 20ml

939121-C2

0.2ml / 10ml

939121-C

0.1ml / 10ml

939121-D5

0.05ml / 10ml

Continued on Page

D/L

Signed

5-20-93

Date

Read and Understood By

Robert C. Kanner

Signed

5-25-93

Date

001396

PROJECT TRIPHENYLENE SPIKE SURDATE 8310Continued From Page

10-5-93

-8

939271-A ~~TRIPHENYLENE SPIKE SURDATE 8310~~ ~~AS. 4224V, 98%~~

9.5mg

98% = 931,000 mg

~~100% (19mL CH₃OH/1mL ϕ)~~

RT TE 10-5-93

939271-A

AS. 4224V, 98%

9.5mg

= 465,500 mg

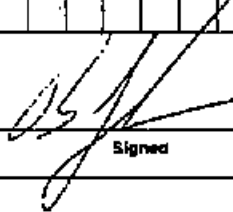
20mL (19mL CH₃OH/1mL ϕ)

939271-C2

465,500 mg $\times$ 98% = 9310 mg10mL CH₃OH

Continued on Page

Read and Understood By



Signed

10-22-93

Date



Signed

10/22/93

Date

001397

STANDARD LABELING CONVENTION AND ASSOCIATED
DILUTION CODES

All standard solutions used by the HPLC group have the following characteristic nomenclature:

First three digits - ESE laboratory notebook number

Next two digits - page number in the lab notebook
(pages 1-9 are recorded as 01-09)

Last digit - sequence number on the notebook page

The six digit code is followed by a hyphen and a dilution code and multiplier (if required). The dilution codes are based on factors of 10 as the alphabetic character advances.

All "A" dilution codes designate a primary stock standard, or the most concentrated combined stock in a series. "B", "C", and "D" designate 1:10, 1:100, and 1:1000 dilutions of the "A" stock, respectively. The last character, a multiplier, is used to denote dilutions which are not a factor of 10 dilution of the primary solution.

EXAMPLE: STD# 888097-C5, preparation documented in lab notebook number 888 on page 9 as the seventh standard listed on the page. "C5" denotes a 1:20 dilution of the "A" stock (1:100 x 5)

Certificate of Analysis

INVOICE #: C8187841

PO #: 38849-483

CATALOG #: F82MS

CAS #: 33-78-3

DESCRIPTION: 1,2:5,6-Dibenzanthracene

LOT #: 90-83B

EXPIRATION DATE: 7/94

Chem Service, Inc. guarantees the concentration of F82MS is 100ug/ml
+/- 2% in Methanol.

Determined by either GC/FID, GC/TCD or GC/ECD.

Our standards are suitable for use with all EPA methods.

Weights of analytes less than 98% are corrected for impurities.

CERTIFIED BY:

Kimberly Bunting
KIMBERLY BUNTING
TECHNICAL CONSULTANT

CHEM SERVICE, INC.

660 TOWER LANE

P.O. BOX 3108

WEST CHESTER, PA, 19381-3108

(215) 692-3026 FAX (215) 692-8729

001399

Certificate of Analysis

INVOICE #: CS187841

CATALOG #: F83MS

DESCRIPTION: Indeno(1,2,3-*C,D*)pyreneLOT #: 9031BEXPIRATION DATE: 5/94

PD #: 38849-483

CAS #: 193-39-5

Chem Service, Inc. guarantees the concentration of F83MS is 100ug/ml
+/- 2% in Methanol.

Determined by either GC/FID, GC/TCD or GC/ECD.

Our standards are suitable for use with all EPA methods.

Weights of analytes less than 98% are corrected for impurities.

CERTIFIED BY:

Kimberly Bunting
KIMBERLY BUNTING
TECHNICAL CONSULTANT

CHEM SERVICE, INC.

860 TOWER LANE

P.O. BOX 3108

WEST CHESTER, PA. 19381-3108

(215) 692-3026 FAX (215) 692-8729

001400

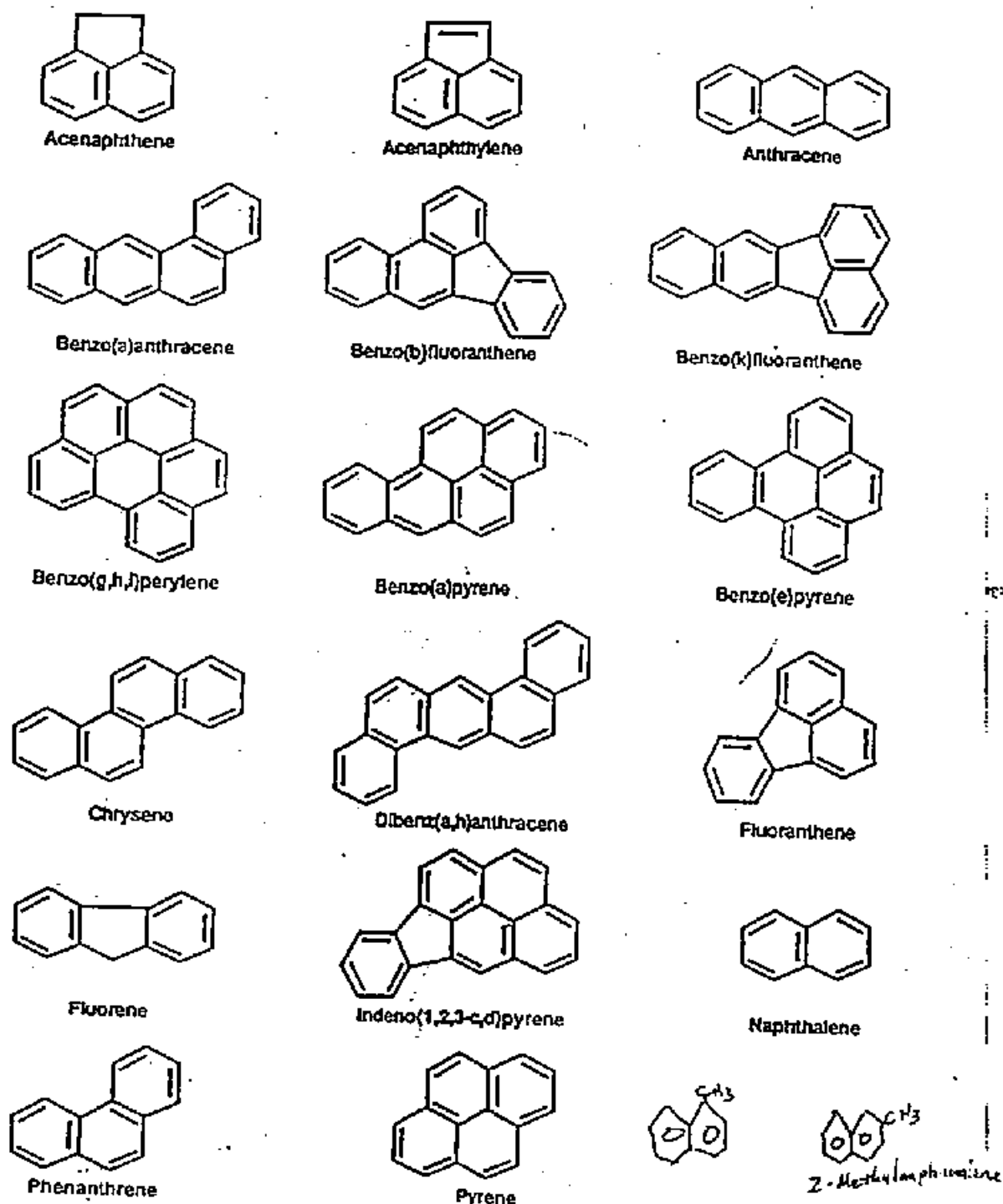


FIGURE 1.0 RING STRUCTURE OF SELECTED PAHs.

001401

PAH VERIFICATION STANDARD PREPARATION D

B56841-A

NAME	SOCK#	PREP. DATE	CON. UG/ML
NAPH	B56012-A	2-6-92	3020
ACAP	B56013-A	2-6-92	8540
1-MT	B01245-A	5-20-91	4027
2-MT	B01246-A	5-20-91	3371
ACNE	B56014-A	2-6-92	7500
FLUR	B56015-A	2-6-92	1770
TPH	B56734-A	1-10-93	833
PHEN	B56021-A	2-7-92	1780
ANTH	B56022-A	2-7-92	1070
FLAN	B01804-A	11-22-91	1274
PYRN	B01805-A	11-22-91	264
BAA	B01811-A	11-22-91	975
CRY	B56733-A	1-10-93	188
BBF	B01813-A	11-22-91	723
BKF	B56773-A	1-12-93	304
BAP	B56024-A	2-7-92	1520
DBA	B01821-A	11-22-91	455
BIP	B56822-A	1-13-93	292
IDP	B01823-A	11-22-91	498

PAH STANDARD PREPARATION DATE OF STOCKS

939121-A

NAME	MFG.	LOT#	SOCK#	PREP. DAT	EXP. DATE	CON. UG/ML
NAPH	ALDRICH	0401BMV	899253-A	12-17-92	12-93	3016
ACAP	C.SERVICE	84-62A	939081-A	5-19-93	5-94	3810
1-MT	ALDRICH	03410BP	856713-A	1-7-93	1-94	4864
2-MT	ALDRICH	0040687	856714-A	1-7-93	1-94	3838
ACNE	C.SERVICE	102-64B	939082-A	5-19-93	5-94	4524
FLUR	C.SERVICE	30-66	899262-A	12-17-92	12-93	940
TPH	ALDRICH	05922CV	939083-A	5-19-93	5-94	529
PHEN	C.SERVICE	62-23A	899263-A	12-17-92	12-93	1216
ANTH	C.SERVICE	41-120B	899264-A	12-17-92	12-93	880
FLAN	ALDRICH	02601DX	856721-A	1-8-93	1-94	341
PYRN	C.SERVICE	100-25A	939084-A	5-19-93	5-94	1264
BAA	C.SERVICE	45-68B	856731-A	1-12-93	1-94	307
CRY	ALDRICH	01221JJ	939085-A	5-19-93	5-94	100
BBF	C.SERVICE	30-68	856705-A	1-6-93	1-94	289
BKF	C.SERVICE	30-70	856772-A	1-12-93	1-94	304
BAP	ALDRICH	14708JY	856723-A	1-8-93	1-94	278
DBA	C.SERVICE	90-85B	CSRV90B5B	5-19-93	5-94	2
BIP	NSI	77-01-03	939103-A	5-19-93	5-94	8
IDP	NSI	81-3-1	939111-A	5-19-93	5-94	500

001402

PAH STANDARD CONCENTRATION WORKSHEET

939121-A

NAME	CON. ug/L	B5	B2	B	C2	C	D5
	CON. ug/L	CON. ug/L	CON. ug/L	CON. ug/L	CON. ug/L	CON. ug/L	CON. ug/L
NAP	36192.000	18096.000	7238.400	3619.200	723.840	361.920	180.960
4NAP	60952.000	30476.000	12190.400	6095.200	1219.040	609.520	304.760
NET-1	58668.000	29334.000	11733.600	5866.800	1173.360	586.680	293.340
NET-2	46052.000	23026.000	9210.400	4605.200	921.040	460.520	230.260
ACNE	90486.000	45243.000	18097.200	9048.600	1809.720	904.860	452.430
FLU	9400.000	4700.000	1880.000	940.000	188.000	94.000	47.000
TPN	2116.800	1058.400	423.360	211.680	42.336	21.168	10.584
PHEN	2432.000	1216.000	486.400	243.200	48.640	24.320	12.160
ANT	3520.000	1760.000	704.000	352.000	70.400	35.200	17.600
FLAN	68.200	34.100	13.640	6.820	1.364	0.682	0.341
PYR	1011.360	505.680	202.272	101.136	20.227	10.114	5.057
BAA	61.464	30.732	12.293	6.146	1.229	0.615	0.307
CRY	1199.520	599.760	239.904	119.952	23.990	11.995	5.998
BKF	57.820	28.910	11.564	5.782	1.156	0.578	0.289
BKF	15.200	7.600	3.040	1.520	0.304	0.152	0.076
BAP	55.664	27.832	11.133	5.566	1.113	0.557	0.278
DBA	100.000	50.000	20.000	10.000	2.000	1.000	0.500
BIP	160.000	80.000	32.000	16.000	3.200	1.600	0.800
IDP	100.000	50.000	20.000	10.000	2.000	1.000	0.500

001403

STANDARD LABELING CONVENTION AND ASSOCIATED
DILUTION CODES

All standard solutions used by the HPLC group have the following characteristic nomenclature:

First three digits - ESE laboratory notebook number

Next two digits - page number in the lab notebook
(pages 1-9 are recorded as 01-09)

Last digit - sequence number on the notebook page

The six digit code is followed by a hyphen and a dilution code and multiplier (if required). The dilution codes are based on factors of 10 as the alphabetic character advances. All "A" dilution codes designate a primary stock standard, or the most concentrated combined stock in a series. "B", "C", and "D" designate 1:10, 1:100, and 1:1000 dilutions of the "A" stock, respectively. The last character, a multiplier, is used to denote dilutions which are not a factor of 10 dilution of the primary solution.

EXAMPLE: STD# 888097-C5, preparation documented in lab notebook number 888 on page 9 as the seventh standard listed on the page. "C5" denotes a 1:20 dilution of the "A" stock (1:100 x 5).

001404

B-0096

48 183

HIGH PRESSURE LIQUID CHROMATOGRAPHY SYSTEM DESCRIPTION

LAB 1816 SYSTEM NUMBER 1

I. SOLVENT DELIVERY SYSTEM

PUMP A SHIMADZU LC-6A SERIAL NUMBER 70876DN

PUMP B SHIMADZU LC-6A SERIAL NUMBER 70989DN

II. INJECTION SYSTEM

SYSTEM CONTROLLER SHIMADZU SCL-6A SERIAL NUMBER 74619LP

AUTO INJECTOR SHIMADZU SIL-6A SERIAL NUMBER 73181KG

III. DETECTION SYSTEM

UV SPECTROPHOTOMETER SPD-6AV SERIAL NUMBER 73945LP

FLUORESCENCE MONITOR RF535 SERIAL NUMBER 1251157

001405



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CHROMATOGRAPHIC ANALYSIS LOG

Date 11-24-93 COLUMN VYDAC ODS INJECTOR Autosampler or Manual? SLGA
Analyst R. Johnson, 2356 Packing VYDAC ODS Inj Vol (μL) 25
Project PAH's in H₂O Length x I.D. (mm) 250 x 4.6 Sequence File IAUF.SEG
Case/Method 854610 / PAHs in H₂O dp 5 Temp °C 32 DETECTOR
Instrument ID SEE COVER Serial No. 90429-7-2 #554 920909 UV at 254 nm - CL A
Data System NELSON 2700 GUARD COLUMN TYPE 16CHS + Other CLB = FLUORESCENCE
Analysis Type PAH H₂O Packing SMILCON VYDAC ODS A = 280 nm = EX
Col # / Date 11-17-93 A = 238 nm = EM

Mobile Phase/Gradient Program Description Pump A = CH₃CN Pump B = H₂O

TIME	FUNCTION	VALUE	TOTAL FLOW
0 min	START	50	1 mL/min
31		50	
32		0	
45		50	
53	STOP	-	

CH A = IAH-OKX CH B = IAF-OKX

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
01	CH ₃ CN	27	SPM2 * CDDMTW * 43 1:20	53	CH ₃ CN
02	↓	28	CDDMTW * 43	54	IGPE125A * 3
03	STANDARD 939121-25	29	* 4	55	* 4
04	- C	30	* 5	56	* 5
05	- C2	31	* 7	57	* 6
06	- B	32	* 8	58	↓ * 9
07	- B2	33	* 13	59	CCS * 939121-85 * 6
08	- B5	34	↓ * 14	60	IGPE125A * 10
09	↓ - A	35	CCS * 939121-85 * 3	61	11
10	ICV * 856841-B * 1	36	CDDMTW * 23	62	12
11	MB NONE 1	37	* 24	63	13
12	SPI-NONE 1 1:20	38	* 25	64	14
13	SPM1 * CDDMTW * 3 1:20	39	* 29	65	15
14	SPM2 * CDDMTW * 3 1:20	40	* 35	66	17
15	CDDMTW * 3	41	* 38	67	19
16	* 16	42	* 39	68	20
17	* 26	43	↓ * 44	69	21
18	↓ * 36	44	CCS * 939121-85 * 4	70	↓ 24
19	CH ₃ CN	45	CDDMTW * 13 1:25	71	CCS * 939121-85 * 7
20	CDDMTW * 41	46	CCS * 939121-85 * 5	72	CCS * 939121-85 * 8
21	↓ * 42	47	MB-NONE 1		
22	CCS * 939121-85 * 1	48	SPI-NONE 1 1:20		
23	CCS * 939121-85 * 2	49	SPM1 * IGPE125A * 4 1:20		
24	MB * NONE * 1	50	SPM2 * IGPE125A * 8 1:20		
25	SPI * NONE * 1 1:20	51	IGPE125A * 8 1:20		
26	SPM1 * CDDMTW * 43 1:20	52	IGPE125A * 8 1:1		

CONTINUED
NEXT PAGE
PAGE 49

78-87 G44583 112-125 G44586
88-100 G44584 124-149 G44587
101-111 G44585

48 185

ESE Environmental
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CHROMATOGRAPHIC ANALYSIS LOG

* Continued from page 48 *

Date <u>11-28-93</u>	COLUMN	INJECTOR
Analyst _____	Packing _____	Autosampler or Manual? _____
Project _____	Length x I.D. (mm) _____	Inj Vol (μL) _____
Case/Method _____	dp _____ Temp°C _____	Sequence File <u>LAUF.SEG</u>
Instrument ID _____	Serial No. _____	DETECTOR <u>Continued</u>
Data System _____	GUARD COLUMN _____	from p. 048
Analysis Type _____	Packing _____	UV <u>nm</u>
	Col # / Date _____	Other _____

Mobile Phase/Gradient Program Description Pump A = _____ Pump B = _____

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
72	CCS+13121-BS* 8	99	PCBGWS* 10	124	CCS+13121-BS* 16
73	SPM2* IGPE115A* 81 1:20	99	11	125	CH3CN
74	IGPE115A* 9 1:20	100	12	126	CCS+939121-BS* 17
75	* 11 1:50	101	CCS+13121-BS* 13	127	MB-NONE-1
76	* 12 1:20	102	MB-NONE-1	128	SPI-NONE-1 1:20
77	CCS+939121-BS* 9	103	SPI-NONE-1 1:20	129	SPI-CDDMTW* 33 1:20
78	CCS+939121-BS* 10	104	SPI-ALDSL* 1 1:20	130	SPM2-CDDMTW* 33 1:20
79	MB-NONE-1	105	SPM2-ALDSL* 1 1:20	131	CDDMTW* 33
80	SPI-NONE-1 1:20	106	ALDSL* 1	132	* 19
81	SPI-PCBGWS* 9 1:20	107	SPI-ALDSL* 1 1:50	133	* 20
82	SPM2-PCBGWS* 9 1:20	108	SPM2-ALDSL* 1 1:50	134	* 21
83	PCBGWS* 9	109	ALDSL* 1 1:25	135	CCS+939121-BS* 18
84	* 1	110	CCS+939121-BS* 14	136	CDDMTW* 30
85	* 2	111	CCS+939121-BS* 15	137	* 31
86	* 5	112	MB-NONE-1	138	* 34
87	CCS+13121-BS* 11	113	SPI-NONE-1 1:20	139	* 48
88	CCS+939121-BS* 12	114	SPI-XBEGW* 3 1:20	140	* 49
89	MB-NONE-1	115	SPM2-XBEGW* 3 1:20	141	* 50
90	SPI-NONE-1 1:20	116	XBEGW* 3	142	* 51
91	SPI-PCBGWS* 10 1:20	117	* 2	143	IGPE189A* 4
92	SPM2-PCBGWS* 10 1:20	118	* 5	144	* 16
93	PCBGWS* 3	119	* 21	145	* 14
94	* 4	120	* 22	146	* 15
95	* 6	121	* 45	147	* 16
96	* 7	122	RMM* 12 * 1	148	* 17
97	* 8	123	* 2	149	CCS+939121-BS* 19

001407

F28E280

4440049

150-171 G44588
171-178 G#589

150-199 G443048 186
200-208 G44751



Environmental
Science &
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CHROMATOGRAPHIC ANALYSIS LOG

Continued from page 4849
Date 12-4-93
Analyst _____
Project _____
Case/Method _____
Instrument ID _____
Data System _____
Analysis Type _____

COLUMN

Packing _____
Length x I.D. (mm) _____
ID _____ Temp °C _____
Serial No. _____
GUARD COLUMN _____
Packing _____
Col # / Date _____

INJECTOR

Autosampler or Manual? _____
Inj Vol (µL) _____
Sequence File LAUF.SEG
DETECTOR Continued from
page 4849
UV at _____ nm
Other _____

Mobile Phase/Gradient Program Description Pump A = _____

Pump B = _____

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
150	CCS#939121-B5*20	176	CDDMTW*37	202	SPM1#CDDMTW*10 1:20
151	MB*NONE*1	177	↓ *22	203	SPM2#CDDMTW*10 1:20
152	SP1#NONE*1 1:20	178	CCS#939121-B5*23	204	CDDMTW*10
153	SPM1#CDDMTW*15 1:20	179	CCS#939121-B5*24	205	9
154	SPM2#CDDMTW*15 1:20	180	MB*NONE*1	206	11
155	CDDMTW * 15	181	SP1#NONE*1 1:20	207	12
156	* 6	182	SPM1#GP132C*7 1:20	208	CCS#939121-B5*27
157	* 21	183	SPM2#GP132C*7 1:20	209	CCS#939121-B5*26
158	* 32	184	GP132C *7		AS 12-7-93
159	* 40	185	* 1		
160	* 45	186	* 2		
161	* 46	187	* 5		
162	↓ * 47	188	↓ * 6		
163	CCS#939121-B5*21	189	CCS#939121-B5*25		
164	IGPE189A*3	190	GP132C *8		
165	* 5	191	9		
166	* 7	192	10		
167	* 9	193	11		
168	* 11	194	12		
169	* 12	195	13		
170	↓ * 6 1:25	196	15		
171	CCS#939121-B5*22	197	16		
172	MB*NONE*1	198	6 1:10		
173	SP1#NONE*1 1:20	199	CCS#939121-B5*26		
174	SPM1#CDDMTW*15 1:20	200	MB*NONE*1		
175	SPM2#CDDMTW*17 1:20	201	SP1#NONE*1 1:20		

001408

F258235

ERROR CORRECTION CODES

CODE	EXPLANATION
WP	Entry Made In Wrong Place
WI	Wrong Information Recorded
CE	Calculation Error
SE	Spelling Error
IW	Illegible Writing Error
FO	Data Changed Upon Further Observation
TE	Transcription Error
FE	Further Explanation Provided

POLYNUCLEAR AROMATIC HYDROCARBONS - 8310

SDG No. 44731

001410

ANALYTICAL DATA**001411**

Lab Name: ESE

Project No.: 7934082G

SDG No: G44731

Client ID	Laboratory ID	Matrix (S/W)	Analysis	Date Collected	Date Received	Date Analyzed
ICV1	ICV*856841-B	W	NAPHTHLENE	00/00/00	00/00/00	11/25/93
CCS1	CCS*939121-B	W	NAPHTHLENE	00/00/00	00/00/00	12/07/93
PBLK1	MB*NONE*1	W	NAPHTHLENE	00/00/00	00/00/00	12/07/93
SP1	SP1*NONE*1	W	NAPHTHLENE	00/00/00	00/00/00	12/07/93
MW10SPMS	SPM1*CDDMTW*	W	NAPHTHLENE	11/11/93	11/12/93	12/07/93
MW10SPMSD	SPM2*CDDMTW*	W	NAPHTHLENE	11/11/93	11/12/93	12/07/93
MW10SP	CDDMTW*10	W	NAPHTHLENE	11/11/93	11/12/93	12/07/93
MW9	CDDMTW*9	W	NAPHTHLENE	11/15/93	11/16/93	12/07/93
MW11	CDDMTW*11	W	NAPHTHLENE	11/13/93	11/15/93	12/07/93
MW12SP	CDDMTW*12	W	NAPHTHLENE	11/11/93	11/12/93	12/07/93
CCS2	CCS*939121-B	W	NAPHTHLENE	00/00/00	00/00/00	12/07/93

Comments:

ANALYSIS DATA SHEET

48 191
Client ID

PBLK1

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
Matrix: (soil/water) WATER Lab Sample ID: MB*NONE*1
Sample wt/vol: 1000. Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/07/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
91-20-3	NAPHTHALENE (UG/L)	0.905 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52 U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47 U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15 U
83-32-9	ACENAPHTHENE (UG/L)	2.26 U
86-73-7	FLUORENE (UG/L)	0.235 U
85-01-8	PHENANTHRENE (UG/L)	0.061 U
120-12-7	ANTHRACENE (UG/L)	0.088 U
206-44-0	FLUORANTHENE (UG/L)	0.002 U
129-00-0	PYRENE (UG/L)	0.025 U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.002 U
218-01-9	CHRYSENE (UG/L)	0.030 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.001 U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.0004 U
50-32-8	BENZO(A)PYRENE (UG/L)	0.001 U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.003 U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004 U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.003 U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1
Sample wt/vol: 1000. Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/07/93 Date Received: 00/00/00

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	82.4	D
208-96-8	ACENAPHTHYLENE (UG/L)	82.8	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	85.2	D
86-73-7	FLUORENE (UG/L)	28.0	D
85-01-8	PHENANTHRENE (UG/L)	48.3	D
120-12-7	ANTHRACENE (UG/L)	42.5	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.920	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.79	D
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
 Matrix: (soil/water) WATER Lab Sample ID: SP1*NONE*1
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 20.0
 Date Analyzed: 12/07/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	82.4	D
208-96-8	ACENAPHTHYLENE (UG/L)	82.8	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	85.2	D
86-73-7	FLUORENE (UG/L)	28.0	D
85-01-8	PHENANTHRENE (UG/L)	48.3	D
120-12-7	ANTHRACENE (UG/L)	42.5	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.920	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.79	D
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

MW10SPMS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

Matrix: (soil/water) WATER

Lab Sample ID: SPM1*CDDMTW*10

Sample wt/vol: 1000.

Lab File ID:

%Moisture:

pH:

Dilution Factor: 1.00

Date Analyzed: 12/07/93

Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	87.2	D
208-96-8	ACENAPHTHYLENE (UG/L)	85.4	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	91.8	D
86-73-7	FLUORENE (UG/L)	30.0	D
85-01-8	PHENANTHRENE (UG/L)	50.6	D
120-12-7	ANTHRACENE (UG/L)	44.1	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.700	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.42	D
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

Client ID

ANALYSIS DATA SHEET

MW10SPMS

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*10
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 20.0
 Date Analyzed: 12/07/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	87.2	D
208-96-8	ACENAPHTHYLENE (UG/L)	85.4	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	91.8	D
86-73-7	FLUORENE (UG/L)	30.0	D
85-01-8	PHENANTHRENE (UG/L)	50.6	D
120-12-7	ANTHRACENE (UG/L)	44.1	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.700	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.42	D
53-70-3	DIBEN' (A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

48 196

Client ID

MW10SPMSD

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

Matrix: (soil/water) WATER

Lab Sample ID: SPM2*CDDMTW*10

Sample wt/vol: 1000.

Lab File ID:

%Moisture:

pH:

Dilution Factor: 1.00

Date Analyzed: 12/07/93

Date Received: 11/12/93

CAS NO.	COMPOUND	Q
91-20-3	NAPHTHALENE (UG/L)	78.7 D
208-96-8	ACENAPHTHYLENE (UG/L)	79.4 D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0 U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0 U
83-32-9	ACENAPHTHENE (UG/L)	82.5 D
86-73-7	FLUORENE (UG/L)	27.7 D
85-01-8	PHENANTHRENE (UG/L)	48.1 D
120-12-7	ANTHRACENE (UG/L)	41.2 D
206-44-0	FLUORANTHENE (UG/L)	0.0 U
129-00-0	PYRENE (UG/L)	0.0 U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0 U
218-01-9	CHRYSENE (UG/L)	0.0 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0 U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.634 D
50-32-8	BENZO(A)PYRENE (UG/L)	1.29 D
53-70-3	DIBEN(A,H)ANTH'CENE (UG/L)	0.0 U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0 U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0 U

ANALYSIS DATA SHEET

MW10SPMSD

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

Matrix: (soil/water) WATER

Lab Sample ID: SPM2*CDDMTW*10

Sample wt/vol: 1000.

Lab File ID:

%Moisture:

pH:

Dilution Factor: 20.0

Date Analyzed: 12/07/93

Date Received: 11/12/93

CAS NO.	COMPOUND		Q
91-20-3	NAPHTHALENE (UG/L)	78.7	D
208-96-8	ACENAPHTHYLENE (UG/L)	79.4	D
90-12-0	1-METHYL NAPHTHALENE (UG/L)	0.0	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	0.0	U
83-32-9	ACENAPHTHENE (UG/L)	82.5	D
86-73-7	FLUORENE (UG/L)	27.7	D
85-01-8	PHENANTHRENE (UG/L)	48.1	D
120-12-7	ANTHRACENE (UG/L)	41.2	D
206-44-0	FLUORANTHENE (UG/L)	0.0	U
129-00-0	PYRENE (UG/L)	0.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.0	U
218-01-9	CHRYSENE (UG/L)	0.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.0	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.634	D
50-32-8	BENZO(A)PYRENE (UG/L)	1.29	D
53-70-3	DIBEN(A,H)ANTH'CENE (UG/L)	0.0	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.0	U

ANALYSIS DATA SHEET

MW10SP

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*10
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/07/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.050	
129-00-0	PYRENE (UG/L)	0.025	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.015	
218-01-9	CHRYSENE (UG/L)	0.030	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.021	
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.011	
50-32-8	BENZO(A)PYRENE (UG/L)	0.023	
53-70-3	DIBEN' (A,H)ANTH'CENE (UG/L)	0.003	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.026	
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.030	

ANALYSIS DATA SHEET

Client ID

MW9

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*9
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/07/93 Date Received: 11/16/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.015	
129-00-0	PYRENE (UG/L)	0.025	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.004	
218-01-9	CHRYSENE (UG/L)	0.030	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.010	
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.005	
50-32-8	BENZO(A)PYRENE (UG/L)	0.008	
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.003	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.003	U

ANALYSIS DATA SHEET

Client ID

MW11

Lab Name: ESE Project No.: 7934082G SDG No.: G44731
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*11
 Sample wt/vol: 1000. Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/07/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.002	U
129-00-0	PYRENE (UG/L)	1.15	
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.010	
218-01-9	CHRYSENE (UG/L)	0.030	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.001	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.006	
50-32-8	BENZO(A)PYRENE (UG/L)	0.017	
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L)	0.034	
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.010	
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.027	

48 201

ANALYSIS DATA SHEET

Client ID

MW12SP

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

Matrix: (soil/water) WATER

Lab Sample ID: CDDMTW*12

Sample wt/vol: 1000.

Lab File ID:

%Moisture:

pH:

Dilution Factor: 1.00

Date Analyzed: 12/07/93

Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-20-3	NAPHTHALENE (UG/L)	0.905	U
208-96-8	ACENAPHTHYLENE (UG/L)	1.52	U
90-12-0	1-METHYL NAPHTHALENE (UG/L)	1.47	U
91-57-6	2-METHYL NAPHTHALENE (UG/L)	1.15	U
83-32-9	ACENAPHTHENE (UG/L)	2.26	U
86-73-7	FLUORENE (UG/L)	0.235	U
85-01-8	PHENANTHRENE (UG/L)	0.061	U
120-12-7	ANTHRACENE (UG/L)	0.088	U
206-44-0	FLUORANTHENE (UG/L)	0.002	U
129-00-0	PYRENE (UG/L)	0.025	U
56-55-3	BENZO(A)ANTHRACENE (UG/L)	0.002	U
218-01-9	CHRYSENE (UG/L)	0.030	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L)	0.001	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L)	0.0004	U
50-32-8	BENZO(A)PYRENE (UG/L)	0.001	U
53-70-3	DIBEN(A,H)ANTH'CENE (UG/L)	0.003	U
191-24-2	BENZO(GHI)PERYLENE (UG/L)	0.004	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	0.005	

48 202

QUALITY CONTROL DATA

001424

CALIBRATION CURVES

48 203

Lab Name: ESE

SDG #: G44731

Analyte: NAPHTHALENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-52.9	0.	1.0000
		180.96	4757.	115.	9.067	
		361.920	9993.	301.	9.033	
		723.80	20078.	658.	9.061	
		3619.20	105278.	3670.	9.017	
		7238.400	208378.	7320.	9.033	
		18096.	519802.	18400.	9.050	
		36192.00	1019453.	36000.	9.100	
2	11/24/93	0.	0.	10.4	0.	1.0000
		180.96	4757.	175.	9.07	
		361.920	9993.	356.	9.03	
		723.80	20078.	705.	9.06	
		3619.20	105278.	3650.	9.02	
		7238.400	208378.	7220.	9.03	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 204

Lab Name: ESE

SDG #: G44731

Analyte: ACENAPHTHYLENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-108.	0.	1.0000
		304.76	5487.	183.	10.533	
		609.52	11209.	487.	10.485	
		1219.04	23239.	1130.	10.500	
		6095.2	118058.	6170.	10.467	
		12190.	236255.	12400.	10.483	
		30476.	582046.	30800.	10.483	
		60952.	1144417.	60700.	10.550	
2	11/24/93	0.	0.	18.2	0.	1.0000
		304.76	5487.	301.	10.53	
		609.52	11209.	596.	10.48	
		1219.04	23239.	1220.	10.50	
		6095.2	118058.	6100.	10.47	
		12190.	236255.	12200.	10.48	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 205

Lab Name: ESE

SDG #: G44731

Analyte: 1-METHYL NAPHTHALENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-150.	0.	.9999
		293.34	6696.	172.	11.523	
		586.68	12444.	449.	11.476	
		1173.36	25229.	1070.	11.498	
		5866.8	127006.	5970.	11.481	
		11733.6	251882.	12000.	11.498	
		29334.	621005.	29800.	11.489	
		58668.	1214506.	58400.	11.548	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 206

Lab Name: ESE

SDG #: G44731

Analyte: 2-METHYL NAPHTHALENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-110.	0.	1.0000
		230.26	5645.	160.	12.030	
		460.52	9727.	356.	11.983	
		921.04	19802.	839.	12.014	
		4605.2	100034.	4690.	11.997	
		9210.4	199141.	9440.	12.013	
		23026.	487266.	23300.	12.002	
		46052.	959329.	45900.	12.055	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 207

Lab Name: ESE

SDG #: G44731

Analyte: ACENAPHTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-608.	0.	.9994
		452.43	7127.	-45.5	12.653	
		904.86	12232.	357.	12.598	
		1809.72	25085.	1370.	12.630	
		9048.6	126252.	9350.	12.613	
		18097.2	250368.	19100.	12.633	
		45243.	608534.	47400.	12.617	
		90486.	1137477.	89100.	12.656	
2	11/24/93	0.	0.	-18.5	0.	1.0000
		452.43	7127.	496.	12.65	
		904.86	12232.	865.	12.60	
		1809.72	25085.	1790.	12.63	
		9048.6	126252.	9100.	12.61	
		18097.2	250368.	18100.	12.63	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 208

Lab Name: ESE

SDG #: G44731

Analyte: FLUORENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-16.8	0.	1.0000
		47.	6452.	33.7	13.158	
		94.	11647.	74.4	13.102	
		188.	24137.	172.	13.138	
		940.	124281.	957.	13.118	
		1880.	247512.	1920.	13.141	
		4700.	606321.	4730.	13.123	
		9400.	1198653.	9370.	13.166	
2	11/24/93	0.	0.	1.58	0.	1.0000
		47.	6452.	50.5	13.16	
		94.	11647.	89.9	13.10	
		188.	24137.	185.	13.14	
		940.	124281.	944.	13.12	
		1880.	247512.	1880.	13.14	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 209

Lab Name: ESE

SDG #: G44731

Analyte:

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-5.16	0.	.9999
		10.584	4823.	4.88	21.100	
		21.168	10349.	16.4	21.100	
		42.336	20812.	38.2	21.067	
		211.68	105193.	214.	21.083	
		423.36	211983.	436.	21.050	
		1058.4	518742.	1070.	21.033	
		2116.8	1014410.	2110.	21.133	
2	11/24/93	0.	0.	0.687	0.	1.0000
		10.584	4823.	10.3	21.10	
		21.168	10349.	21.3	21.10	
		42.336	20812.	42.2	21.07	
		211.68	105193.	211.	21.08	
		423.36	211983.	424.	21.05	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 210

Lab Name: ESE

SDG #: G44731

Analyte: PHENANTHRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.079	0.	1.0000
		12.16	25374.	11.1	14.728	
		24.32	55795.	24.6	14.683	
		48.64	111832.	49.4	14.719	
		243.2	555461.	246.	14.711	
		486.4	1090194.	482.	14.733	
		1216.	2755652.	1220.	14.704	
		2432.	5496991.	2430.	14.733	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

Lab Name: ESE

SDG #: G44731

Analyte: ANTHRACENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.464	0.	1.0000
		17.6	35683.	19.2	16.132	
		35.2	62498.	34.0	16.074	
		70.4	128306.	70.2	16.151	
		352.	641284.	353.	16.093	
		704.	1276506.	703.	16.133	
		1760.	3194948.	1760.	16.085	
		3520.	6387892.	3520.	16.133	

Control Limits: $r = 0.995$

Comments:

48 212

SDG #: G44731

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0. 0.341 0.682 1.364 6.820 13.640 34.100 68.2	0. 39874. 86415. 171229. 876172. 1717352. 4367172. 8663348.	- .003 0.310 0.676 1.34 6.89 13.5 34.3 68.1	0. 17.973 17.930 17.980 17.967 17.967 17.928 18.000	1.0000

Comments:

CALIBRATION CURVES

48 213

Lab Name: ESE

SDG #: G44731

Analyte: PYRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.346	0.	1.0000
		5.057	21342.	4.74	19.183	
		10.114	43535.	10.0	19.161	
		20.227	84971.	19.9	19.123	
		101.136	421648.	100.	19.131	
		202.272	848220.	202.	19.143	
		505.68	2140803.	510.	19.090	
		1011.36	4234393.	1010.	19.183	

Control Limits: $r = 0.995$

Comments:

48 214

SDG #: G44731

Instrument ID:

[illegible]

Comments:

CALIBRATION CURVES

48 215

Lab Name: ESE

SDG #: G44731

Analyte: CHRYSENE

Instrument ID:

[illegible]Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 216

Lab Name: ESE

SDG #: G44731

Analyte: BENZO(B)FLUORANTHENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.007	0.	1.0000
		0.289	40268.	0.243	28.204	
		0.578	90446.	0.554	28.266	
		1.156	186885.	1.15	28.182	
		5.782	923512.	5.72	28.106	
		11.564	1852927.	11.5	28.069	
		28.910	4720387.	29.3	28.077	
		57.82	9289144.	57.6	28.251	

Control Limits: $r = 0.995$

Comments:

48 217

SDG #: G44731

Instrument ID:

[illegible]

Comments:

001439

CALIBRATION CURVES

48 218

Lab Name: ESE

SDG #: G44731

Analyte: BENZO(A)PYRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	-.009	0.	1.0000
		0.278	44991.	0.273	31.012	
		0.557	80807.	0.498	31.010	
		1.113	176640.	1.10	30.921	
		5.566	884558.	5.54	30.840	
		11.133	1776759.	11.1	30.809	
		27.832	4466869.	28.0	30.803	
		55.664	8854283.	55.6	30.993	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 219

Lab Name: ESE

SDG #: G44731

Analyte: DIBEN' (A,H) ANTH' CENE

Instrument ID:

[illegible]Control Limits: $r = 0.995$

Comments :

CALIBRATION CURVES

48 220

Lab Name: ESE

SDG #: G44731

Analyte: BENZO(GHI)PERYLENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	0.221	0.	1.0000
		0.8	28925.	1.03	34.726	
		1.6	54531.	1.74	34.533	
		3.2	110186.	3.29	34.484	
		16.	562640.	15.9	34.464	
		32.	1124426.	31.5	34.427	
		80.	2848794.	79.6	34.393	
		160.	5746382.	160.	34.574	

Control Limits: $r = 0.995$

Comments:

CALIBRATION CURVES

48 221

Lab Name: ESE

SDG #: G44731

Analyte: INDENO(1,2,3-CD)

PYRENE

Instrument ID:

Curve #	Analysis Date	Concentration	Response	Predicted Concentration	Retention Time (min)	Correlation Coeff. (r)
1	11/24/93	0.	0.	0.061	0.	1.0000
		0.5	30059.	0.546	35.585	
		1.	68825.	1.17	35.339	
		2.	122943.	2.05	35.344	
		10.	615879.	10.0	35.325	
		20.	1222584.	19.8	35.301	
		50.	3073442.	49.7	35.235	
		100.	6202414.	100.	35.419	

Control Limits: $r = 0.995$

Comments:

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

48 222
Client ID

MW10SPMS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC #	QC LIMITS REC.
NAPHTHALENE	98.0	0.	87.2	89.0	21-117
ACENAPHTHYLENE	102	0.	85.4	83.7	53-103
ACENAPHTHENE	104	0.	91.8	88.3	49-109
FLUORENE	32.4	0.	30.0	92.6	40-110
PHENANTHRENE	53.2	0.	50.6	95.1	52-116
ANTHRACENE	49.5	0.	44.1	89.1	44-124

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC #	% RPD #	QC LIMITS RPD REC.
NAPHTHALENE	98.0	78.7	80.3	10.3	48 21-117
ACENAPHTHYLENE	102	79.4	77.8	7.3	25 53-103
ACENAPHTHENE	104	82.5	79.3	10.7	30 49-109
FLUORENE	32.4	27.7	85.5	8.0	35 40-110
PHENANTHRENE	53.2	48.1	90.4	5.1	32 52-116
ANTHRACENE	49.5	41.2	83.2	6.8	40 44-124

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

* Values outside of QC limits

COMMENT:

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client ID

MW10SPMS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G44731

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC #	QC LIMITS REC.
BENZO (K) FLUORANTHENE	1.06	0.011	0.689	65.0	41-123
BENZO (A) PYRENE	2.06	0.	1.40	68.0	45-121

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC #	% RPD #	QC LIMITS RPD REC.
BENZO (K) FLUORANTHENE	1.06	0.623	58.8	10.0	41 41-123
BENZO (A) PYRENE	2.06	1.27	61.7	9.7	38 45-121

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

* Values outside of QC limits

COMMENT:

ESE METHOD BLANK SUMMARY

Client ID 48 224

PBLK1

Lab Name: ESE

Project No: 7934082G

SDG No.: G44731

Lab Sample ID: MB*NONE*1

Lab File ID:

Matrix:(soil/water) WATER

Instrument ID:

Date Analyzed : 12/07/93

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
=====	=====	=====
MW10SPMSDL	SPM1*CDDMTW*10	12/07/93
MW10SPMSDDL	SPM2*CDDMTW*10	12/07/93
MW10SP	CDDMTW*10	12/07/93
MW9	CDDMTW*9	12/07/93
MW11	CDDMTW*11	12/07/93
MW12SP	CDDMTW*12	12/07/93

COMMENTS:

REFERENCE STANDARD

SP1

Lab Name: ESE

SDG No: G44731

Lab Sample ID: SP1*NONE*1

Date Analyzed: 12/07/93

Standard Source:

Instrument ID:

Analyte	True	Found	C	%Recv	Limits
NAPHTHLENE	98.0	20.	U	694.	21-117
ACNAPHYL	102.	00.	U	980.	53-103
ACNAPHTH	104.	50.	U	702.	49-109
FLUORENE	32.4	40.	U	901.	40-110
PHENANTHR	53.2	48.3		90.8	52-116
ANTHRACEN	49.5	42.5		85.9	44-124
B (K) FLUOR	1.06	0.920		86.8	41-123
B (A) PYREN	2.06	1.79		86.9	45-121

Comments:

REFERENCE STANDARD

SP1

Lab Name: ESE

SDG No: G44731

Lab Sample ID: SP1*NONE*1

Date Analyzed: 12/07/93

Standard Source:

Instrument ID:

Analyte	True	Found	C	%Recv	Limits
NAPHTHLENE	98.0	20.	U	694.	21-117
ACNAPHYL	102.	00.	U	980.	53-103
ACNAPHTH	104.	50.	U	702.	49-109
FLUORENE	32.4	40.	U	901.	40-110
PHENANTHR	53.2	48.3		90.8	52-116
ANTHRACEN	49.5	42.5		85.9	44-124
B(K) FLUOR	1.06	0.920		86.8	41-123
B(A) PYREN	2.06	1.79		86.9	45-121

Comments:

SURROGATE RECOVERIES

48 227.

Lab Name: ESE

Contract: 7934082G

SDG No.: G44731

Analyte: TRIPHENYLENE

Limits: 41-143

Client Sample ID	Recv
MW10SPMSDL	76
MW10SPMSDDL	78
MW10SP	79
MW9	84
MW11	56
MW12SP	91

* Values outside of QC limits

48 228

Client ID

CALIBRATION VERIFICATION

ICV1

Lab Name: ESE

Project No: 7934082G

SDG No: G44731

Lab Sample ID: ICV*856841-B*1

Date Analyzed: 11/25/93

Instrument ID:

Analyte	True	Found	C	%Diff	Limit
NAPHTHLENE	200.	200.		0.0	10
ACNAPHYL	200.	300.		2.1	10
1-MENAPH	400.	600.		0.4	10
2-MENAPH	100.	800.		0.8	10
ACNAPHTH	000.	700.		0.8	10
FLUORENE	910.	300.		3.9	10
PHENANTHR	420.	400.		1.4	10
ANTHRACEN	500.	510.		0.7	10
FLUORANTH	20.4	19.7		3.4	10
PYRENE	845.	832.		1.5	10
B(A)ANTHR	15.6	15.9		1.9	10
CHRYSENE	564.	552.		2.1	10
B(B)FLUOR	11.6	11.6		0.0	10
B(K)FLUOR	6.88	6.84		0.6	10
B(A)PYREN	24.3	23.8		2.1	10
DB(AH)ANT	29.2	29.4		0.7	10
B(GHI)PERYL	146.	127.		13.0	10
I123CDPYR	31.8	32.8		3.1	10

Comments:

RAW DATA

001451

48 230

GC OR HPLC BATCH DOCUMENTATION CHECKLIST

Initial or NA	ESE Standard
☒	Batch printout (include & moisture <u>NA</u>)
☒	Method-reference & deviations
☒	Dilution factors checked
☒	Sample Arrival Notices
☒	Extraction logsheets - copies
☒	Chromatographic logsheets or copies
☒	Instrument logbook pages
☒	(include instrument ID <u>NA</u>) copies
☒	Extractor notebook pages - copies
☒	Analyst notebook pages - copies
☒	Correspondence and memos
☒	Chromatograms (labeled <u>NA</u>)
☒	unused chromatograms noted & explained <u>NA</u>
☒	column used <u>NA</u> , instrument conditions <u>NA</u>

SW-846 Supplement

☒	Check sample results
☒	Surrogate results
☒	Evaluation standard results (pesticides only)
☒	Retention windows

Navy Supplement

<u>NA</u>	Control Charts (each required analyte)

Air Force Supplement

<u>NA</u>	Second column confirmation form

Notes:

<u>BJ</u>	Analyst Initials

<u>ROB</u>	Checked by

12-14-93

Date

12/15/93

Date

001452

KSE BATCH : G44731

QC TYPE : FDER/SW
 ANALYST : BEN JOHNSON
 EXTRACTOR : PARIS PAXIN
 DATA ENTRY : NELSON UPLOAD

REPORT DATE/TIME : 12/18/93 19:28:12
 ANALYSIS DATE : 12/07/93
 EXTRACT DATE : 11/18/93

STATUS :

METHOD BLANK CORRECTION METHOD : BY RESPONSE

FIELD GRP QC TYPE	PROJECT NUMBER	PROJECT NAME	LAB COORDINATOR
CDMTW	7934082G 0201	HUNTSVILLE COE - DDMT	PATRICK WILBER

Sample Specific Raw Data

SAMPLE CODE	EXTRACT DATE	ANALYSIS DATE	ANALYSIS TIME	SAMPLE VOLUME (ML)	EXTRACT VOLUME (ML)	INJECTION VOLUME (NA)	WMOISTURE
ICV*856841-B*1		11/25/93	02:28AM				
CCS*939121-B5*26		12/07/93	05:03AM				
MB*NONE*1	11/18/93	12/07/93	05:58AM	1000	5		
SP1*NONE*1	11/18/93	12/07/93	06:53AM	1000	5		
SPM1*CDMTW*10	11/18/93	12/07/93	07:48AM	1000	5		
SPM2*CDMTW*10	11/18/93	12/07/93	08:42AM	1000	5		
DA*CDMTW*10	11/18/93	12/07/93	09:37AM	1000	5		
DA*CDMTW*9	11/18/93	12/07/93	10:32AM	1000	5		
DA*CDMTW*11	11/18/93	12/07/93	11:26AM	1000	5		
DA*CDMTW*12	11/18/93	12/07/93	03:10PM	1000	5		
CCS*939121-B5*27		12/07/93	04:05PM				

Parameter Specific Raw Data

SAMPLE CODE	STORET NAME	STATUS	RESPONSE (NA)	DIL	TYPE	CURVE	RET TIME	SPIKE SOL CONC (UG/L)	SPIKE SAMP VOL (ML)	SPIKE VOLUME (ML)	DIL CODE	CALC'D TARGET (UG/L)
ICV*856841-B*1	NAPHTHLENE	OK	103766	10			1 9.017					36240
	ACNAPHYL	OK	100395	10			1 10.467					51240
	1-MENAPH	OK	120550	10			1 11.492					56380
	2-MENAPH	OK	79118	10			1 12.007					37080
	ACNAPHTH	OK	122750	10			1 12.632					90000
	FLUORENE	OK	133368	10			1 12.136					9912
	TPN	OK	70113	10			1 20.957					1332.8
	PHENANTHR	OK	316468	10			1 14.729					1424
	ANTHRACEN	OK	274640	10			1 16.101					1498
	FLUORANTH	OK	251135	10			1 17.899					20.38
	PYRENE	OK	350233	10			1 19.067					844.8
	B(A)ANTHR	OK	212807	10			1 23.408					15.60
	CHRYSENE	OK	349961	10			1 24.210					564.48
	B(B)FLUOR	OK	188466	10			1 27.964					11.56
	B(K)FLUOR	OK	267571	10			1 29.386					6.88
	B(A)PYREN	OK	381097	10			1 30.654					24.32
	DB(AH)ANT	OK	186512	10			1 33.091					29.15
	B(GH)PERYL	OK	446203	10			1 34.196					146
	1123CDPYR	OK	199481	10			1 35.046					31.84
CCS*939121-BE*2	NAPHTHLENE	OK	488310	1	MANUAL		1 9.793					519802
	ACNAPHYL	OK	559479	1	MANUAL		1 11.360					582046
	1-MENAPH	OK	584722	1	MANUAL		1 12.197					621008
	2-MENAPH	OK	465284	1	MANUAL		1 12.933					487266
	ACNAPHTH	OK	579970	1	MANUAL		1 13.562					608534
	FLUORENE	OK	580334	1	MANUAL		1 14.116					608321
	TPN	OK	506495	1	MANUAL		1 22.126					518742
	PHENANTHR	OK	2649476	1	MANUAL		1 15.754					2755652
	ANTHRACEN	OK	3049425	1	MANUAL		1 17.152					3194948
	FLUORANTH	OK	4129724	1	MANUAL		1 19.018					4367172
	PYRENE	OK	2080065	1	MANUAL		1 20.184					2140803
	B(A)ANTHR	OK	3849964	1	MANUAL		1 24.696					4062814
	CHRYSENE	OK	3727343	1	MANUAL		1 25.527					3828887
	B(B)FLUOR	OK	4454202	1	MANUAL		1 29.542					4720387
	B(K)FLUOR	OK	2885605	1	MANUAL		1 31.106					2996083
	B(A)PYREN	OK	4191915	1	MANUAL		1 32.410					4468869
	DB(AH)ANT	OK	3114420	1	MANUAL		1 34.983					3173393
	B(GH)PERYL	OK	2774747	1	MANUAL		1 36.100					2848794
	1123CDPYR	OK	2809459	1	MANUAL		1 37.017					3073442
MB*NONE*1	NAPHTHLENE	OK	0		FINAL		0					0
	ACNAPHYL	OK	0		FINAL		0					0
	1-MENAPH	OK	0		FINAL		0					0
	2-MENAPH	OK	0		FINAL		0					0
	ACNAPHTH	OK	0		FINAL		0					0
	FLUORENE	OK	0		FINAL		0					0
	TPN	OK	435354	1			1 22.167	9310	1000	0.5	N	4.655
	PHENANTHR	OK	0		FINAL		0					0
	ANTHRACEN	OK	0		FINAL		0					0
	FLUORANTH	OK	0		FINAL		0					0
	PYRENE	OK	0		FINAL		0					0
	B(A)ANTHR	OK	0		FINAL		0					0
	CHRYSENE	OK	0		FINAL		0					0
	B(B)FLUOR	OK	0		FINAL		0					0
	B(K)FLUOR	OK	0		FINAL		0					0
	B(A)PYREN	OK	0		FINAL		0					0
	DB(AH)ANT	OK	0		FINAL		0					0
	B(GH)PERYL	OK	0		FINAL		0					0
	1123CDPYR	OK	0		FINAL		0					0
SP1*NONE*1	NAPHTHLENE	OK	23496	20			2 9.800	98000	1000	1	N	98
	ACNAPHYL	OK	15729	20			2 11.367	102000	1000	1	N	102
	ACNAPHTH	OK	12050	20			2 13.567	104000	1000	1	N	104
	FLUORENE	OK	36693	20			2 14.117	32400	1000	1	N	32.4
	TPN	OK	21917	20			2 22.219	9310	1000	0.5	N	4.655
	PHENANTHR	OK	1092449	20			1 15.750	53200	1000	1	N	53.2
	ANTHRACEN	OK	771692	20			1 17.167	49500	1000	1	N	49.5
	B(K)FLUOR	OK	3689640	20			1 31.000	1060	1000	1	N	1.06
	B(A)PYREN	OK	3852288	20			1 32.300	2060	1000	1	N	2.06
	1123CDPYR	OK	24890	20			2 9.817	98000	1000	1	N	98
SPM1*CDOMTV*10	NAPHTHLENE	OK	16232	20			2 11.400	102000	1000	1	N	102
	ACNAPHYL	OK	12966	20			2 13.617	104000	1000	1	N	104
	ACNAPHTH	OK	39405	20			2 14.150	32400	1000	1	N	32.4
	FLUORENE	OK	17393	20			2 22.183	9310	1000	0.5	N	4.655
	TPN	OK	1143579	20			1 15.800	53200	1000	1	N	53.2
	PHENANTHR	OK	801201	20			1 17.217	49500	1000	1	N	49.5
	ANTHRACEN	OK	2805945	20			1 31.024	1060	1000	1	N	1.06
	B(K)FLUOR	OK										

B(B) FLUOR	OK	0		0	
B(X) FLUOR	OK	0		0	
B(A) PYREN	OK	0		0	
DB(AH) ANT	OK	0		0	
B(GH) PERYL	OK	0		0	
I123CDPYR	OK	53535	1	1 37.294	
CCS*939121-B5*2NAPHTHLENE	OK	492852	1 MANUAL	1 9.833	519802
ACNAPHYL	OK	556792	1 MANUAL	1 11.383	562046
1-MENAPH	OK	588280	1 MANUAL	1 12.434	621005
2-MENAPH	OK	466206	1 MANUAL	1 12.965	487266
ACNAPHTH	OK	583096	1 MANUAL	1 13.593	609534
FLUORENE	OK	579099	1 MANUAL	1 14.131	606321
TPN	OK	507101	1 MANUAL	1 31.850	518742
PHENANTHR	OK	2660572	1 MANUAL	1 15.718	2755852
ANTHRACEN	OK	3048212	1 MANUAL	1 17.061	3194948
FLUORANTH	OK	4168797	1 MANUAL	1 18.866	4367172
PYRENE	OK	2125477	1 MANUAL	1 19.986	2140803
B(A) ANTHR	OK	3854985	1 MANUAL	1 24.237	4062814
CHRYSENE	OK	3755644	1 MANUAL	1 24.982	3828887
B(B) FLUOR	OK	4551742	1 MANUAL	1 28.711	4720387
B(K) FLUOR	OK	3805561	1 MANUAL	1 30.152	2995083
B(A) PYREN	OK	4468186	1 MANUAL	1 31.497	4466869
DB(AH) ANT	OK	3347472	1 MANUAL	1 34.169	3173393
B(GH) PERYL	OK	3035288	1 MANUAL	1 35.400	2848794
I123CDPYR	OK	3063106	1 MANUAL	1 36.329	3073442

STORET: 34696 METHOD: 8310/3520-G NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 [UG/L]

CURVE DETECTION LIMIT= 180.96 DATE: 24 NOV 1993 LARGEST RESPONSE=1019453 %RSD=1.4083
 CONC : 0 180.96 361.920 723.80 3619.20 7238.400 18096 36192.00
 RESP : 0 4757 9993 20078 105278 208378 519803 1019453
 CONC' : -52.9 115 301 658 3670 7320 18400 36000
 R.T. : 0 9.067 9.033 9.061 9.017 9.033 9.050 9.100

CONC = -5.2925E+01+ 3.5405E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.1606E-02 2.8102E-04
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 [UG/L]

CURVE DETECTION LIMIT= 180.96 DATE: 24 NOV 1993 LARGEST RESPONSE=208378 (USER DEFINED) %RSD=3.9708
 CONC : 0 180.96 361.920 723.80 3619.20 7238.400
 RESP : 0 4757 9993 20078 105278 208378
 CONC' : 10.4 175 356 705 3650 7220
 R.T. : 0 9.067 9.033 9.061 9.017 9.033

CONC = 1.0412E+01+ 3.4612E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 2.2449E-01 2.3441E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	488000	520000	-6.2
939121-B5*27	493000	520000	-5.2

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	36200	36200	0.0

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SP1*NONE*1	0.0	82.4	82.4	98.0	84.1	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF.
SPM1*CDMTW*10	0.0	87.2	87.2	98.0	89.0	
SPM2*CDMTW*10	0.0	78.7	78.7	98.0	80.3	10.3

STORET: 34200 METHOD: 8310/3520-G ACENAPHTHYLENE, UG/L LINE

CALIBRATION CURVE # 1 [UG/L]

CURVE DETECTION LIMIT= 304.76 DATE: 24 NOV 1993 LARGEST RESPONSE=1144417 %RSD=2.7270
 CONC : 0 304.76 609.52 1219.04 6095.2 12190 30476 60952
 RESP : 0 5487 11209 23239 118058 236255 582046 1144417
 CONC' : -108 183 487 1130 6170 12600 30600 60700
 R.T. : 0 10.533 10.485 10.500 10.467 10.483 10.483 10.550

CONC = -1.0849E+02+ 5.3149E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.6901E-02 4.0775E-04
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 [UG/L]

CURVE DETECTION LIMIT= 304.76 DATE: 24 NOV 1993 LARGEST RESPONSE=236255 (USER DEFINED) %RSD=3.2754
 CONC : 0 304.76 609.52 1219.04 6095.2 12190
 RESP : 0 5487 11209 23239 118058 236255
 CONC' : 18.2 301 596 1220 6100 12200
 R.T. : 0 10.533 10.485 10.500 10.467 10.483

CONC = 1.8153E+01+ 5.1515E-02*RESP+ *RESP**2+ *RESP**3
 95% C.I.= 1.2083E-01 1.1151E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	559000	582000	-4.0
939121-B5*27	557000	582000	-4.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	52300	51200	2.1

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SP1*NONE*1	0.0	82.8	82.8	102	81.2	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPM1*CDMTW*10	0.0	85.4	85.4	102	83.7	
SPM2*CDMTW*10	0.0	79.4	79.4	102	77.8	7.3

STORET: 27418 METHOD: 8310/3520-G 1-METHYL NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 293.34 DATE: 24 NOV 1993 LARGEST RESPONSE=1214506 %RSD=3.0692

CONC	0	293.34	586.68	1173.36	5866.8	11733.6	29334	58668
RESP	0	6696	12444	25229	127006	251882	621006	1214506
CONC	-150	172	449	1070	5970	12000	29800	58400
R.T.	0	11.523	11.476	11.498	11.481	11.498	11.489	11.548

CONC = -1.5018E-02 4.8194E-02*RESP

*RESP**2

*RESP**3

95% C.I. = 2.2458E-02 4.5594E-04

CORRELATION COEFFICIENT = .9999

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*25	585000	621000	-5.8
939121-B5*27	588000	621000	-5.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	56600	56400	0.4

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

STORET: 27416 METHOD: 8310/3520-G 2-METHYL NAPHTHALENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 230.26 DATE: 24 NOV 1993 LARGEST RESPONSE=959129 %RSD=5.7179

CONC	0	230.26	460.52	921.04	4605.2	9210.4	23026	46052
RESP	0	5645	9727	19802	100034	198141	487266	959129
CONC	-110	160	356	839	4690	9440	23300	45900
R.T.	0	12.030	11.983	12.014	11.997	12.013	12.002	12.055

CONC = -1.1028E-02 4.7945E-02*RESP

*RESP**2

*RESP**3

95% C.I. = 1.4301E-02 3.6804E-04

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	465000	487000	-4.5
939121-B5*27	466000	487000	-4.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	36800	37100	0.8

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

STORET: 34205 METHOD: 8310/3520-G ACENAPHTHENE, UG/L LINE

001457

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 452.43 DATE: 24 NOV 1993 LARGEST RESPONSE=1117477 %RSD=6.9371
 CONC : 0 452.43 904.86 1809.72 9048.6 18097.2 45243 90486
 RESP : 0 7127 12232 25085 126252 250168 608534 1137477
 CONC' : -608 -45.5 357 1370 9350 19100 47400 89100
 R.T. : 0 12.653 12.598 12.630 12.613 12.633 12.617 12.656

CONC = -6.0755E-02+ 7.8863E-02*RESP.
 95% C.I. = 1.0299E-03 2.2060E-03
 CORRELATION COEFFICIENT = .9994

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 452.43 DATE: 24 NOV 1993 LARGEST RESPONSE=250368 (USER DEFINED) %RSD=6.2902
 CONC : 0 452.43 904.86 1809.72 9048.6 18097.2
 RESP : 0 7127 12232 25085 126252 250168
 CONC' : -18.5 496 865 1790 9100 18100
 R.T. : 0 12.653 12.598 12.630 12.613 12.633

CONC = -1.8459E-01+ 7.2254E-02*RESP.
 95% C.I. = 4.4542E-01 3.8707E-04
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	580000	609000	-4.8
939121-B5*27	583000	609000	-4.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	90700	90000	0.8

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% REC'D	REL DIFF.
SP1-NONE*1	0.0	85.2	85.2	104	81.9	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% REC'D	REL DIFF.
SPM1-CODMTW*10	0.0	91.8	91.8	104	88.3	
SPM2-CODMTW*10	0.0	82.5	82.5	104	79.3	10.7

STORE: 34381 METHOD: 8310/3520-G FLUORENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 47 DATE: 24 NOV 1993 LARGEST RESPONSE=1198653 %RSD=1.2562
 CONC : 0 47 94 188 940 1880 4700 9400
 RESP : 0 6452 11647 24137 124281 247512 606321 1198653
 CONC' : -16.6 33.7 74.4 172 957 1920 4730 9370
 R.T. : 0 13.158 13.102 13.136 13.118 13.141 13.123 13.166

CONC = -1.5629E-01+ 7.8340E-03*RESP.
 95% C.I. = 2.4272E-01 5.0045E-05
 CORRELATION COEFFICIENT = 1.0000

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 47 DATE: 24 NOV 1993 LARGEST RESPONSE=247512 (USER DEFINED) %RSD=3.7871
 CONC : 0 47 94 188 940 1880
 RESP : 0 6452 11647 24137 124281 247512
 CONC' : 1.58 50.5 89.9 185 944 1880
 R.T. : 0 13.158 13.102 13.136 13.118 13.141

CONC = 1.5781E-00+ 7.5829E-03*RESP.
 95% C.I. = 3.9482E-00 1.4747E-05
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	580000	606000	-4.3
939121-B5*27	579000	606000	-4.5

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	10300	9910	3.9

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF
SP1*NONE*1	0.0	28.0	28.0	32.4	86.4	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF
SPM1*CDMTW*10	0.0	30.0	30.0	32.4	92.6	
SPM2*CDMTW*10	0.0	27.7	27.7	32.4	85.5	8.0

STORET: 97989 METHOD: SUR TRIPHENYLENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 10.584 DATE: 24 NOV 1993 LARGEST RESPONSE=1014410 %RSD=3.0940

CONC	0	10.584	21.168	42.336	211.68	423.36	1058.4	2116.8
RESP	0	4823	10349	20812	105193	211983	518742	1014410
CONC'	-5.16	4.88	16.4	38.2	214	416	1070	2110
R.T.	0	21.100	21.100	21.067	21.083	21.050	21.033	21.133

CONC = -5.1587E-06+ 2.0811E-03*RESP

*RESP**2+

*RESP**3

95% C.I. = 4.7167E-00 2.1183E-05

CORRELATION COEFFICIENT = .9999

CALIBRATION CURVE # 2 (UG/L)

CURVE DETECTION LIMIT= 10.584 DATE: 24 NOV 1993 LARGEST RESPONSE=211983 (USER DEFINED) %RSD=3.6919

CONC	0	10.584	21.168	42.336	211.68	423.36
RESP	0	4823	10349	20812	105193	211983
CONC'	0.687	10.3	21.3	42.2	211	424
R.T.	0	21.100	21.100	21.067	21.083	21.050

CONC = 6.8748E-01+ 1.9963E-01*RESP

*RESP**2+

*RESP**3

95% C.I. = 6.8195E-01 7.0235E-06

CORRELATION COEFFICIENT = 1.0000

STORET: 34461 METHOD: 8310/3520-G PHENANTHRENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 12.16 DATE: 24 NOV 1993 LARGEST RESPONSE=5496991 %RSD=3.2796

CONC	0	12.16	24.32	48.64	243.2	486.4	1216	2432
RESP	0	25374	55795	111832	555461	1090194	2755652	5496991
CONC'	-0.079	11.1	24.6	49.4	246	482	1220	2430
R.T.	0	14.728	14.681	14.719	14.711	14.733	14.704	14.733

CONC = -7.8591E-02+ 4.4230E-04*RESP

*RESP**2+

*RESP**3

95% C.I. = 2.0037E-00 9.0375E-07

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	2650000	2760000	-4.0
939121-B5*27	2650000	2760000	-3.5

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	1400	1420	1.4

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF
SP1*NONE*1	0.0	48.3	48.3	53.2	90.8	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELATDIFF
SPM1*CDMTW*10	0.0	50.6	50.6	53.2	95.1	
SPM2*CDMTW*10	0.0	48.1	48.1	53.2	90.4	5.1

STORET: 34220 METHOD: 8310/3520-G ANTHRACENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 17.6 DATE: 24 NOV 1993 LARGEST RESPONSE=6387892 %RSD=4.5357

CONC	0	17.6	35.2	70.4	352	704	1760	3520
RESP	0	35883	62498	128306	641284	1276506	3194948	6387892
CONC'	-4.64	19.2	34.0	70.2	353	703	1760	3520
R.T.	0	16.132	16.074	16.181	16.093	16.133	16.085	16.133

CONC = -4.6363E-01+ 5.5111E-04*RESP

*RESP**2+

*RESP**3

95% C.I. = 8.5910E-01 3.3353E-07

001459

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	3050000	3190000	-4.4
939121-B5*27	3050000	3190000	-4.4

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	1510	1500	0.7

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SP1*NONE*1	0.0	42.5	42.5	49.5	85.9	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF
SPM1*CDMTW*10	0.0	44.1	44.1	49.5	89.1	
SPM2*CDMTW*10	0.0	41.2	41.2	49.5	83.2	6.8

STORET: 34376 METHOD: 8310/3520-G FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.341 DATE: 24 NOV 1993 LARGEST RESPONSE=8663348 %RSD=3.1330

CONC	0	0.341	0.682	1.364	6.820	13.640	34.100	68.2
RESP	0	39874	86615	171229	875172	1717352	4367172	8663348
CONC'	-0.003	0.310	0.676	1.34	6.89	13.5	34.3	68.1
R.T.	0	17.973	17.930	17.980	17.967	17.967	17.928	18.000

CONC = -2.9985E-03 7.8617E-06*RESP* *RESP**2* *RESP**3
 95% C.I.= 1.0189E-01 2.9129E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	4130000	4370000	-5.5
939121-B5*27	4170000	4370000	-4.6

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	19.7	20.4	3.4

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF

STORET: 34469 METHOD: 8310/3520-G PYRENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 5.057 DATE: 24 NOV 1993 LARGEST RESPONSE=4234393 %RSD=1.0577

CONC	0	5.057	10.114	20.227	101.136	202.272	505.68	1011.36
RESP	0	21342	42535	84971	421648	848220	2140803	4234393
CONC'	-0.346	4.74	10.0	19.9	100	202	510	1010
R.T.	0	19.183	19.161	19.123	19.131	19.143	19.090	19.183

CONC = -3.4575E-01 2.3844E-04*RESP* *RESP**2* *RESP**3
 95% C.I.= 1.7270E+00 1.0094E-06
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	2080000	2140000	-2.8
939121-B5*27	2130000	2140000	-1.5

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE

001460

B56841-B*1

832

845

1.5

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

STORET: 34526 METHOD: 8310/3520-G BENZO(A)ANTHRACENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.307		DATE: 24 NOV 1993		LARGEST RESPONSE=8116435		%RSD=2.1123	
CONC :	0	0.307	0.615	1.229	6.146	12.293	30.732
RESP :	0	42908	81164	162906	623342	1627178	4062814
CONC' :	-0.024	0.301	0.591	1.21	6.21	12.3	30.7
R.T. :	0	23.640	23.697	23.582	23.562	23.513	23.517

CONC = -2.3940E-02 7.5739E-06*RESP.

*RESP**2.

*RESP**3

95% C.I. = 2.7581E-02 8.4245E-09

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	3850000	4060000	-5.2
939121-B5*27	3850000	4060000	-5.2

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
B56841-B*1	15.9	15.6	1.9

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

STORET: 34320 METHOD: 8310/3520-G CHRYSENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 5.998		DATE: 24 NOV 1993		LARGEST RESPONSE=7585173		%RSD=2.3265	
CONC :	0	5.998	11.995	23.990	119.952	239.904	599.76
RESP :	0	36737	73276	156476	750200	1518686	3828887
CONC' :	0.146	5.93	11.7	24.8	118	239	603
R.T. :	0	24.481	24.493	24.390	24.368	24.312	24.318

CONC = 1.4630E-01 1.5742E-04*RESP.

*RESP**2.

*RESP**3

95% C.I. = 1.3582E+00 4.4329E-07

CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	3730000	3830000	-2.6
939121-B5*27	3760000	3830000	-1.8

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
B56841-B*1	552	564	2.1

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL%DIFF

STORET: 34230 METHOD: 8310/3520-G BENZO(B)FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.289		DATE: 24 NOV 1993		LARGEST RESPONSE=9289144		%RSD=5.2147	
CONC :	0	0.289	0.578	1.156	5.782	11.564	28.910
RESP :	0	40268	90446	186885	923512	1852927	4720387
CONC' :	-0.007	0.243	0.554	1.15	5.72	11.5	29.3
R.T. :	0	28.204	28.256	28.182	28.106	28.069	28.077

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CONC = -6.9696E-03+ 6.7066E-06*RESP+ *RESP**2. *RESP**3
 95% C.I. = 1.4828E-01 3.9471E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	4450000	4720000	-5.7
939121-B5*27	4550000	4720000	-3.6

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	11.6	11.6	0.0

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF

STORET: 34242 METHOD: 8310/3520-G BENZO(K)FLUORANTHENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.078 DATE: 24 NOV 1993 LARGEST RESPONSE=6128963 %RSD=2.4071
 CONC : 0 0.076 0.152 0.304 1.52 3.04 7.6 15.2
 RESP : 0 31947 59376 121040 609573 1206196 2996083 6128963
 CONC : 0.018 0.098 0.166 0.319 1.53 3.02 7.47 15.3
 R.T. : 0 29.717 29.778 29.669 29.581 29.520 29.542 29.722

CONC = 1.8390E-02+ 2.4876E-06*RESP+ *RESP**2. *RESP**3
 95% C.I. = 5.1674E-02 2.1011E-08
 CORRELATION COEFFICIENT = .9999

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	2890000	3000000	-3.7
939121-B5*27	3010000	3000000	0.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	6.84	6.88	0.5

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPI-NONE*1	0.0	0.920	0.920	1.06	86.8	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF
SPM1-CDDMTW*10	0.011	0.700	0.689	1.06	65.0	
SPM2-CDDMTW*10	0.011	0.634	0.623	1.06	58.8	10.0

STORET: 34247 METHOD: 8310/3520-G BENZO(A)PYRENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.278 DATE: 24 NOV 1993 LARGEST RESPONSE=8854283 (USER DEFINED) %RSD=1.5902
 CONC : 0 0.278 0.557 1.113 5.566 11.133 27.832 55.664
 RESP : 0 44991 80807 176540 884558 1776759 4466869 8854283
 CONC : -.009 0.273 0.498 1.10 5.54 11.1 28.0 55.6
 R.T. : 0 31.012 31.010 30.921 30.840 30.809 30.803 30.993

CONC = -8.9348E-03+ 6.2766E-06*RESP+ *RESP**2. *RESP**3
 95% C.I. = 7.8707E-02 2.2007E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	4190000	4470000	-6.3
939121-B5*27	4470000	4470000	0.0

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INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	23.6	24.3	2.1

STANDARD MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SP1-NONE*1	0.0	1.79	1.79	2.06	86.9	

SAMPLE MATRIX SPIKE(S)

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.
SPM1-CDDMTW*10	0.023	1.42	1.40	2.06	68.0	
SPM2-CDDMTW*10	0.023	1.29	1.27	2.06	61.7	9.7

STORET: 34556 METHOD: 8310/3520-G DIBEN (A.HIANTH'GENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.5 DATE: 24 NOV 1993 LARGEST RESPONSE=6335246 %RSD=2.6823

CONC	0	0.5	1	2	10	20	50	100
RESP	0	29593	51733	129694	642930	1262067	3173393	6335246
CONC'	-0.004	0.463	0.970	1.98	10.1	19.9	50.1	100.0
R.T.	0	33.555	33.485	33.372	33.334	33.124	33.291	33.480

CONC = -4.4356E-03, 1.5780E-05*RESP, *RESP**2, *RESP**3
 95% C.I. = 6.6079E-02 2.5860E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	3110000	3170000	-1.9
939121-B5*27	3350000	3170000	5.7

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	29.4	29.2	0.7

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.

STORET: 34521 METHOD: 8310/3520-G BENZO(GH)PERYLENE, UG/L LINE

CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.8 DATE: 24 NOV 1993 LARGEST RESPONSE=5746382 %RSD=2.1488

CONC	0	0.8	1.6	3.2	16	32	80	160
RESP	0	28925	54521	110185	562540	1126425	2848794	5746382
CONC'	0.221	1.03	1.74	3.29	15.9	31.5	79.6	160
R.T.	0	34.726	34.533	34.484	34.454	34.427	34.393	34.574

CONC = 2.2051E-01, 2.7850E-05*RESP, *RESP**2, *RESP**3
 95% C.I. = 2.6865E-01 1.1624E-07
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID	CONCENTRATION
NONE*1	0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	2770000	2850000	-2.8
939121-B5*27	3040000	2850000	6.7

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	127	146	13.0

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	RELDIFF.

STORET: 34403 METHOD: 8310/3520-G INDENO(1,2,3-CD) PYRENE, UG/L LINE

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CALIBRATION CURVE # 1 (UG/L)

CURVE DETECTION LIMIT= 0.5 DATE: 24 NOV 1993 LARGEST RESPONSE=6202414 %RSD=4.6571
 CONC : 0 0.5 1 2 10 20 50 100
 RESP : 0 30059 68826 122943 615879 1222584 3073442 6202414
 CONC: 0.061 0.546 1.17 2.05 10.0 19.8 49.7 100
 R.T.: 0 35.585 35.339 35.344 35.325 35.301 35.235 35.419

CONC = 6.0505E-02+ 1.6144E-05*RESP+ *RESP**2. *RESP**3
 95% C.I. = 1.6072E-01 6.4409E-08
 CORRELATION COEFFICIENT = 1.0000

METHOD BLANK(S)

SAMPLE ID CONCENTRATION
 NONE*1 0.0

CONTINUING CALIBRATION STANDARD(S)

STANDARD ID	CALC. CONC	KNOWN CONC	DIFFERENCE
939121-B5*26	2810000	3070000	-8.5
939121-B5*27	3060000	3070000	-1.3

INITIAL CALIBRATION VERIFICATION STANDARD(S)

SAMPLE ID	CALC. CONC	KNOWN CONC	DIFFERENCE
856841-B*1	32.8	31.8	3.1

STANDARD MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF

SAMPLE MATRIX SPIKE(S) *** Optional Quality Control Check ***

SAMPLE ID	UNSP CONC	SPK CONC	FOUND	TARGET	% RECV	REL DIFF

SURROGATE SPIKE(S)

QC TYPE*PG*SEC	PARAMETER	UNIT	FOUND	TARGET	% RECV
ICV*856841-B*1	97989*SUR TRIPHENYLENE	UG/L	1410	1330	106.0
CCS*939121-B5*26	97989*SUR TRIPHENYLENE	UG/L	506000	519000	97.5
MB*NONE*1	97989*SUR TRIPHENYLENE	UG/L	4.50	4.66	96.6
SP1*NONE*1	97989*SUR TRIPHENYLENE	UG/L	4.44	4.66	95.3
SPM1*CDMTW*10	97989*SUR TRIPHENYLENE	UG/L	3.54	4.66	76.0
SPM2*CDMTW*10	97989*SUR TRIPHENYLENE	UG/L	3.63	4.66	77.9
DA*CDMTW*10	97989*SUR TRIPHENYLENE	UG/L	3.69	4.66	79.2
DA*CDMTW*9	97989*SUR TRIPHENYLENE	UG/L	3.89	4.66	83.5
DA*CDMTW*11	97989*SUR TRIPHENYLENE	UG/L	2.59	4.66	55.6
DA*CDMTW*12	97989*SUR TRIPHENYLENE	UG/L	4.22	4.66	90.6
CCS*939121-B5*27	97989*SUR TRIPHENYLENE	UG/L	507000	519000	97.7

SAMPLE RESULTS

	310/3520-G NAPHTHALEN E	310/3520-G ACENAPHTHY LENE	310/3520-G 1-METHYL N APHTHALENE	310/3520-G 2-METHYL N APHTHALENE	310/3520-G ACENAPHTHE NE	310/3520-G FLUORENE	97989*6UR TRIPHENYLE NE	310/3520-G PHENANTHRE NE	310/3520-G ANTHRACENE	310/3520-G FLUORANTHE NE
SAMPLE ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CDDMTW*10	<0.905	<1.52	NR*	NR*	<2.26	<0.235	3.69	<0.061	<0.088	0.050
CDDMTW*9	<0.905	<1.52	NR*	NR*	<2.26	<0.235	3.89	<0.061	<0.088	0.015
CDDMTW*11	<0.905	<1.52	NR*	NR*	<2.26	<0.235	2.59	<0.061	<0.088	<0.002
CDDMTW*12	<0.905	<1.52	NR*	NR*	<2.26	<0.235	4.22	<0.061	<0.088	<0.002

	310/3520-G PYRENE	310/3520-G BENZO(A)AN THRACENE	310/3520-G CHRYSENE	310/3520-G BENZO(B)FL UORANTHENE	310/3520-G BENZO(K)FL UORANTHENE	310/3520-G BENZO(A)PY RENE	310/3520-G DIBEN(A,H) ANTH' CENE	310/3520-G BENZO(GH1) PERYLENE	310/3520-G INDENO(1,2 ,3-CD)
SAMPLE ID	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
CDDMTW*10	<0.025	0.015	<0.030	0.021	0.011	0.023	<0.003	0.026	0.030
CDDMTW*9	<0.025	0.004	<0.030	0.010	0.005	0.008	<0.003	<0.004	<0.003
CDDMTW*11	1.15	0.010	<0.030	<0.001	0.006	0.017	0.034	0.010	0.027
CDDMTW*12	<0.025	<0.002	<0.030	<0.001	<0.0004	<0.001	<0.003	<0.004	0.005

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UNITS AND EXAMPLE CALCULATIONS

UNITS ENTERED

FINAL CONCENTRATION UG/L
 INJECTION VOLUME NA
 SAMPLE VOLUME ML
 EXTRACT VOLUME ML
 CURVE CONCENTRATION UG/L
 SPIKE SOLN CONCENTRATION UG/L
 SPIKE VOLUME ML
 SPIKE SAMPLE VOLUME ML
 TARGET CONCENTRATION UG/L
 RESPONSE DESCRIPTION NA
 CONVERSION FACTOR NA

$$\text{FINAL CONC} = \frac{\text{CURV CONC} \times \text{EXT VOL} \times \text{DIL}}{\text{INJ VOL} \times \text{SAMP VOL} \times ((100 - \% \text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) \times (\text{ML})}{(\text{NA}) \times (\text{ML})}$$

$$(824 \mu\text{g/L}) = \frac{(824 \mu\text{g/L}) \times (5 \text{ mL}) \times (20)}{(NA) \times (1000 \text{ mL}) \times ((100 - (\text{NA})) / 100)}$$

$$\text{TARGET CONC} = \frac{\text{SPIKE SOLN CONC} \times \text{SPIKE VOL}}{\text{SPIKE SAMP VOL} \times ((100 - \% \text{MOISTURE}) / 100)}$$

$$\text{UG/L} = \frac{(\text{UG/L}) \times (\text{ML})}{(\text{ML})}$$

SP1 * NONE * 1

NAPHTHALENE

R.TIME = 9.800

AREA = 23,446

DIL = 1:20

CURVE = 2, LINE

$$(23,496 \times 3.4612 \times 10^{-2}) + 10.4 = 824 \mu\text{g/L}$$

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Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch No.: G44731

Analysis Date: 12/07/93

Analyst: BEN JOHNSON

	Yes	No	<u>*Exceptions*</u> <u>Comment / Corrective Action</u>
Are ALL units documented in batch?	X		
Analysis holding time within criteria?	X		
Extract holding time within criteria?	X		
No. of calibration standards present acceptable?	X		
Curve correlation coefficient ≥ 0.995 ?	X		
Calibration curve y-intercept $<$ curve detection limit?	X		
Sample responses within highest standard response?	X		
ICS present?	X		
ICS within acceptance criteria?	X		
CV present?	X		
CV within acceptance criteria?	X		
Method blank present?	X		
Method blank within acceptance criteria?	X		
Standard matrix spike present?	X		
Standard matrix spike within acceptance criteria?	X		
Sample matrix spike present?	X		
Sample matrix spike within acceptance criteria?	X		
Sample matrix spike duplicate present?	X		
Sample matrix spike duplicate within acceptance criteria?	X		
Surrogate present?	X		
Surrogate within acceptance criteria?	X		

note: Any "NO" answer requires a comment.

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Environmental Science and Engineering Analytical Services
Internal QA/QC Checklist For GC and HPLC Analysis

Batch No.: G46731

Analysis Date: 12/07/93

Analyst: BEN JOHNSON

	N/A	Yes	No	"Exceptions"
				Comment / Corrective Action
Is the method blank free of contamination? If not, has the data been blank corrected?		✓		
Are all analysis free of contamination from previous analysis? If not, does the quality of the data remain unimpaired?		✓		
Are calibration curves entered correctly?		✓		
Are reported values consistent with the required units?		✓		
Are detection limits reported correctly?		✓		
Are dilution factors entered correctly?		✓		
Is the batch checked for data entry error(s)?		✓		
Are sufficient continuing calibration standards (CCS) been analyzed? If not, is an appropriate explanation provided?		✓		
Are the CCS within criteria? If not, is an appropriate explanation provided?		✓		
Is second column confirmation been performed for all positive identifications made in the primary analysis? If they been performed within analysis holding		✓		
Is an example calculation provided?		✓		
Is the batch documentation checklist been completed?		✓		

Note: Any "NO" answer requires a comment.
Additional Comments:

Completed By: B. J. 2156
Date: 12/14/93

Reviewed By: Robert O. Johnson
Date: 12/15/93

Notification of appropriate Laboratory Coordinators required for "Exceptions":

Signature	Date	Comments

ERRIDE COMMENTS

ICH OVERRIDE BY:

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***** SUMMARY REPORT *****

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ANALYSIS DATE: 12-07-93 ANALYST: BTJ, 2356 BATCH: G44731

UV Data

Sample Name	File Name	Date Of Injection	Time Of Injection	NAPHTHALENE	
				Ret. Time (Min)	Area
CH3CN	IAU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAU-003.	11/24/93	8:05 PM	9.067	4757
STANDARD939121-C	IAU-004.	11/24/93	9:00 PM	9.033	9993
STANDARD939121-C2	IAU-005.	11/24/93	9:55 PM	9.061	20078
STANDARD939121-B	IAU-006.	11/24/93	10:50 PM	9.017	105278
STANDARD939121-B2	IAU-007.	11/24/93	11:44 PM	9.033	208378
STANDARD939121-B5	IAU-008.	11/25/93	12:39 AM	9.050	519802
STANDARD939121-A	IAU-009.	11/25/93	1:34 AM	9.100	1039453
ICV*856841-B*1	IAU-010.	11/25/93	2:28 AM	9.037	103766
CCS*939121-B5*26	IAU-199.	12/7/93	5:03 AM	9.793	488310
MB*NONE*1	IAU-200.	12/7/93	5:58 AM	-----	-----
SPI*NONE*1 1:20	IAU-201.	12/7/93	6:53 AM	9.800	23456
SPM1*CODMTW*10 1:20	IAU-202.	12/7/93	7:48 AM	9.817	24890
SPM2*CODMTW*10 1:20	IAU-203.	12/7/93	8:42 AM	9.817	22431
CODMTW*10	IAU-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAU-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAU-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAU-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAU-208.	12/7/93	4:05 PM	9.833	492852
Averages				9.341	234114
%RSD				4.15	131.99

Sample Name	File Name	Date Of Injection	Time Of Injection	ACENAPHTHYLENE	
				Ret. Time (Min)	Area
CH3CN	IAU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAU-003.	11/24/93	8:05 PM	10.533	5487
STANDARD939121-C	IAU-004.	11/24/93	9:00 PM	10.485	11209
STANDARD939121-C2	IAU-005.	11/24/93	9:55 PM	10.500	23239
STANDARD939121-B	IAU-006.	11/24/93	10:50 PM	10.467	118058
STANDARD939121-B2	IAU-007.	11/24/93	11:44 PM	10.483	236255
STANDARD939121-B5	IAU-008.	11/25/93	12:39 AM	10.483	582046
STANDARD939121-A	IAU-009.	11/25/93	1:34 AM	10.550	1144417
ICV*856841-B*1	IAU-010.	11/25/93	2:28 AM	10.467	100395
CCS*939121-B5*26	IAU-199.	12/7/93	5:03 AM	11.360	559479
MB*NONE*1	IAU-200.	12/7/93	5:58 AM	-----	-----
SPI*NONE*1 1:20	IAU-201.	12/7/93	6:53 AM	11.367	15729
SPM1*CODMTW*10 1:20	IAU-202.	12/7/93	7:48 AM	11.400	16232
SPM2*CODMTW*10 1:20	IAU-203.	12/7/93	8:42 AM	11.400	15069
CODMTW*10	IAU-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAU-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAU-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAU-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAU-208.	12/7/93	4:05 PM	11.383	556792
Averages				10.837	260339

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Sample Name	File Name	Date Of Injection	Time Of Injection	1-METHYL NAPHTHALENE	
				Ret. Time [Min]	Area
CH3CN	IAU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAU-003.	11/24/93	8:05 PM	11.523	6696
STANDARD939121-C	IAU-004.	11/24/93	9:00 PM	11.476	12444
STANDARD939121-C2	IAU-005.	11/24/93	9:55 PM	11.498	25229
STANDARD939121-B	IAU-006.	11/24/93	10:50 PM	11.481	127006
STANDARD939121-B2	IAU-007.	11/24/93	11:44 PM	11.498	251882
STANDARD939121-B5	IAU-008.	11/25/93	12:39 AM	11.489	621005
STANDARD939121-A	IAU-009.	11/25/93	1:34 AM	11.548	1214506
ICV*856841-B*1	IAU-010.	11/25/93	2:28 AM	11.492	120590
CCS*939121-B5*26	IAU-199.	12/7/93	5:03 AM	12.397	584722
MB*NONE*1	IAU-200.	12/7/93	5:56 AM	-----	-----
SPJ*NONE*1 1:20	IAU-201.	12/7/93	6:53 AM	-----	-----
SPM1*CODMTW*10 1:20	IAU-202.	12/7/93	7:48 AM	-----	-----
SPM2*CODMTW*10 1:20	IAU-203.	12/7/93	8:42 AM	-----	-----
CODMTW*10	IAU-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAU-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAU-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAU-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAU-208.	12/7/93	4:05 PM	12.434	588280
Averages				11.684	355236
%RSD				3.31	110.30

Sample Name	File Name	Date Of Injection	Time Of Injection	2-METHYL NAPHTHALENE	
				Ret. Time [Min]	Area
CH3CN	IAU-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAU-003.	11/24/93	8:05 PM	12.030	5645
STANDARD939121-C	IAU-004.	11/24/93	9:00 PM	11.963	9727
STANDARD939121-C2	IAU-005.	11/24/93	9:55 PM	12.014	19802
STANDARD939121-B	IAU-006.	11/24/93	10:50 PM	11.997	100034
STANDARD939121-B2	IAU-007.	11/24/93	11:44 PM	12.013	199141
STANDARD939121-B5	IAU-008.	11/25/93	12:39 AM	12.002	487266
STANDARD939121-A	IAU-009.	11/25/93	1:34 AM	12.055	959329
ICV*856841-B*1	IAU-010.	11/25/93	2:28 AM	12.007	79118
CCS*939121-B5*26	IAU-199.	12/7/93	5:03 AM	12.933	465284
MB*NONE*1	IAU-200.	12/7/93	5:56 AM	-----	-----
SPJ*NONE*1 1:20	IAU-201.	12/7/93	6:53 AM	-----	-----
SPM1*CODMTW*10 1:20	IAU-202.	12/7/93	7:48 AM	-----	-----
SPM2*CODMTW*10 1:20	IAU-203.	12/7/93	8:42 AM	-----	-----
CODMTW*10	IAU-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAU-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAU-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAU-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAU-208.	12/7/93	4:05 PM	12.965	466206
Averages				12.200	279155
%RSD				3.24	111.30

Sample Name	File Name	Date Of Injection	Time Of Injection	ACENAPHTHENE	
				Ret. Time [Min]	Area

001470

CH3CN	1AU-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	12.653	7127
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	12.598	12232
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	12.630	25085
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	12.613	126252
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	12.633	250368
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	12.617	606534
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	12.656	1137477
ICV*856641-B*1	1AU-010.	11/25/93	2:28 AM	12.632	122750
CCS*939121-85*26	1AU-199.	12/7/93	5:03 AM	13.562	579970
MB*NONE*1	1AU-200.	12/7/93	5:58 AM		
SP1*NONE*1 1:20	1AU-201.	12/7/93	6:53 AM	13.567	12050
SPH1*CDMTW*10 1:20	1AU-202.	12/7/93	7:48 AM	13.617	12966
SPH2*CDMTW*10 1:20	1AU-203.	12/7/93	8:42 AM	13.617	11672
CDMTW*10	1AU-204.	12/7/93	9:37 AM		
CDMTW*9	1AU-205.	12/7/93	10:32 AM		
CDMTW*11	1AU-206.	12/7/93	11:26 AM		
CDMTW*12	1AU-207.	12/7/93	3:10 PM		
CCS*939121-B5*27	1AU-208.	12/7/93	4:05 PM	13.553	583096
Averages				12.999	268429
%RSD				3.75	131.66

FLUORENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AU-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	13.158	6452
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	13.162	11647
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	13.136	24137
STANDARD939121-B	1AU-006.	11/24/93	10:50 PM	13.115	124251
STANDARD939121-B2	1AU-007.	11/24/93	11:44 PM	13.141	247512
STANDARD939121-B5	1AU-008.	11/25/93	12:39 AM	13.123	606321
STANDARD939121-A	1AU-009.	11/25/93	1:34 AM	13.166	1198653
ICV*856641-B*1	1AU-010.	11/25/93	2:28 AM	13.136	133368
CCS*939121-85*26	1AU-199.	12/7/93	5:03 AM	14.116	580334
MB*NONE*1	1AU-200.	12/7/93	5:58 AM		
SP1*NONE*1 1:20	1AU-201.	12/7/93	6:53 AM	14.117	36693
SPH1*CDMTW*10 1:20	1AU-202.	12/7/93	7:48 AM	14.150	39405
SPH2*CDMTW*10 1:20	1AU-203.	12/7/93	8:42 AM	14.167	36288
CDMTW*10	1AU-204.	12/7/93	9:37 AM		
CDMTW*9	1AU-205.	12/7/93	10:32 AM		
CDMTW*11	1AU-206.	12/7/93	11:26 AM		
CDMTW*12	1AU-207.	12/7/93	3:10 PM		
CCS*939121-B5*27	1AU-208.	12/7/93	4:05 PM	14.131	579099
Averages				13.520	278784
%RSD				3.75	129.57

TRIPHENYLENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	1AU-002.	11/24/93	7:11 PM		
STANDARD939121-D5	1AU-003.	11/24/93	8:05 PM	21.100	4823
STANDARD939121-C	1AU-004.	11/24/93	9:00 PM	21.100	10349
STANDARD939121-C2	1AU-005.	11/24/93	9:55 PM	21.067	20812

001471

STANDARD939121-B	IAU-006.	11/24/93	10:50 PM	21.083	105193
STANDARD939121-B2	IAU-007.	11/24/93	11:44 PM	21.050	211983
STANDARD939121-B5	IAU-008.	11/25/93	12:39 AM	21.033	516742
STANDARD939121-A	IAU-009.	11/25/93	1:34 AM	21.133	1014410
ICV*856841-B*1	IAU-010.	11/25/93	2:28 AM	20.967	70133
CCS*539121-B5*26	IAU-199.	12/7/93	5:03 AM	22.126	506495
MB*NONE*1	IAU-200.	12/7/93	5:56 AM	22.167	435354
SPJ*NONE*1 1:20	IAU-201.	12/7/93	6:53 AM	22.219	21917
SPM1*CDOMTW*10 1:20	IAU-202.	12/7/93	7:48 AM	22.183	17393
SPM2*CDOMTW*10 1:20	IAU-203.	12/7/93	8:42 AM	22.200	17845
CDOMTW*10	IAU-204.	12/7/93	9:37 AM	22.183	357181
CDOMTW*9	IAU-205.	12/7/93	10:32 AM	22.226	376657
CDOMTW*11	IAU-206.	12/7/93	11:26 AM	22.116	251621
CDOMTW*12	IAU-207.	12/7/93	3:10 PM	21.883	408038
CCS*939121-B5*27	IAU-208.	12/7/93	4:05 PM	21.850	507101

Averages		21.649	269780
%RSD		2.52	100.64

63910 Data finalized successfully - Stored in: C:\2700\DATA\63910\63910.prn

48 250

001472

=====

Sample Name	: CH3CN	Time	: 12/5/93 1:19 PM
Sample Number	: 2	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 7:11 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-002.raw
Result File : D:\TEMP\ERS2A70.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Missing Component Report

001473

Chromatogram

48 252

FileName : C:\2700\DATA1\1AU-002.raw

Date : 12/5/93 1:19 PM

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Start Time : 0.00 min

End Time : 42.00 min

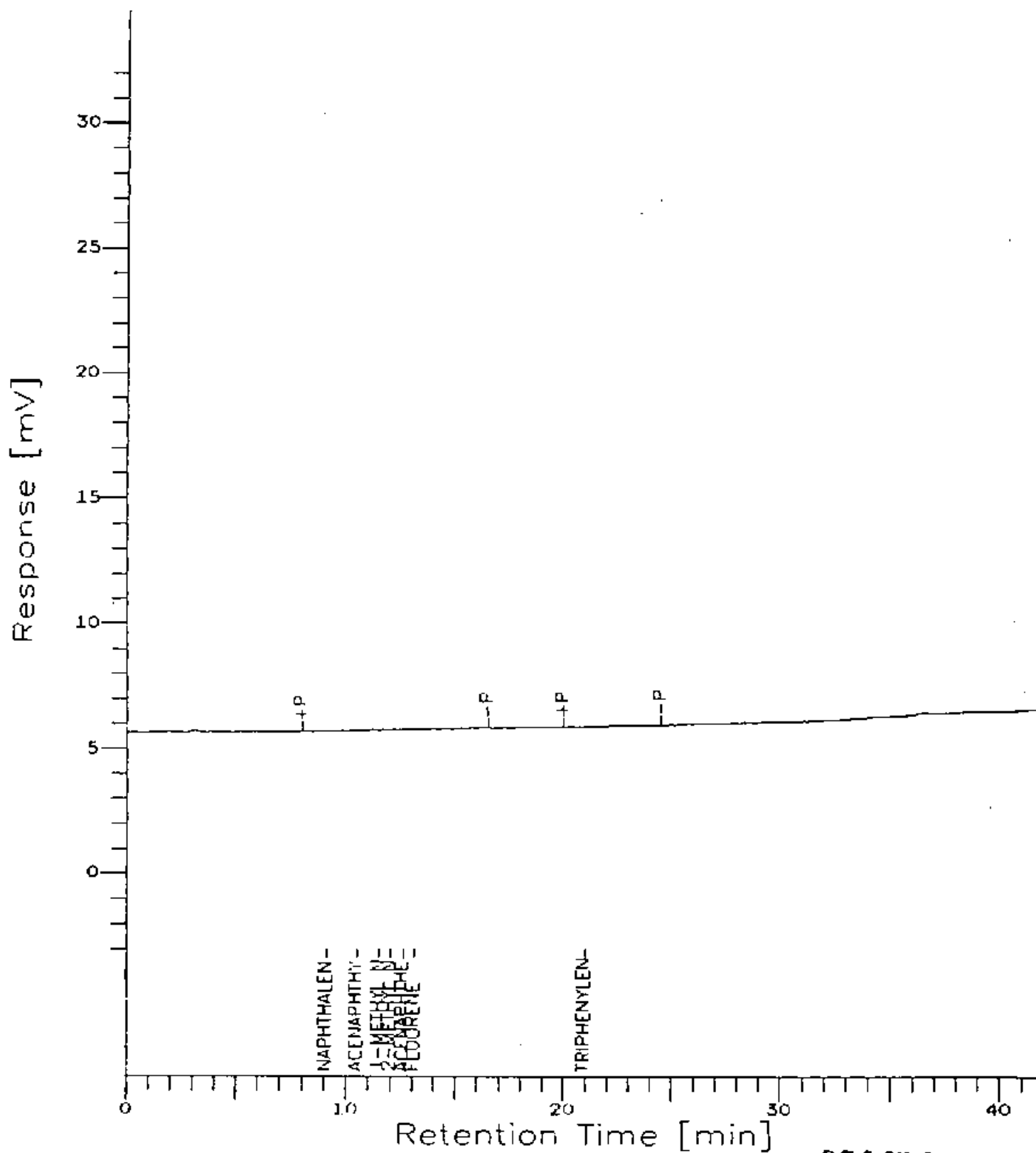
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001474

=====

Sample Name	: STANDARD939121-D5	Time	: 12/5/93 1:19 PM
Sample Number	: 3	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 8:05 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-003.raw
Result File : D:\TEMP\TERS025E.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	4757	336.36	BB
2	ACENAPHTHYLENE	10.5	5487	369.16	BB
3	1-METHYL NAPHTHALENE	11.5	6696	443.35	MM
4	2-METHYL NAPHTHALENE	12.0	5645	368.03	MM
5	ACENAPHTHENE	12.7	7127	447.36	MM
6	FLUORENE	13.2	6452	445.42	MM
7		16.1	7254	555.30	BB
8	TRIPHENYLENE	21.1	4823	350.30	BB
			48241	3315.28	

Chromatogram

48 254

FileName : C:\2700\DATA1\1AU-003.raw

Date : 12/5/93 1:19 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

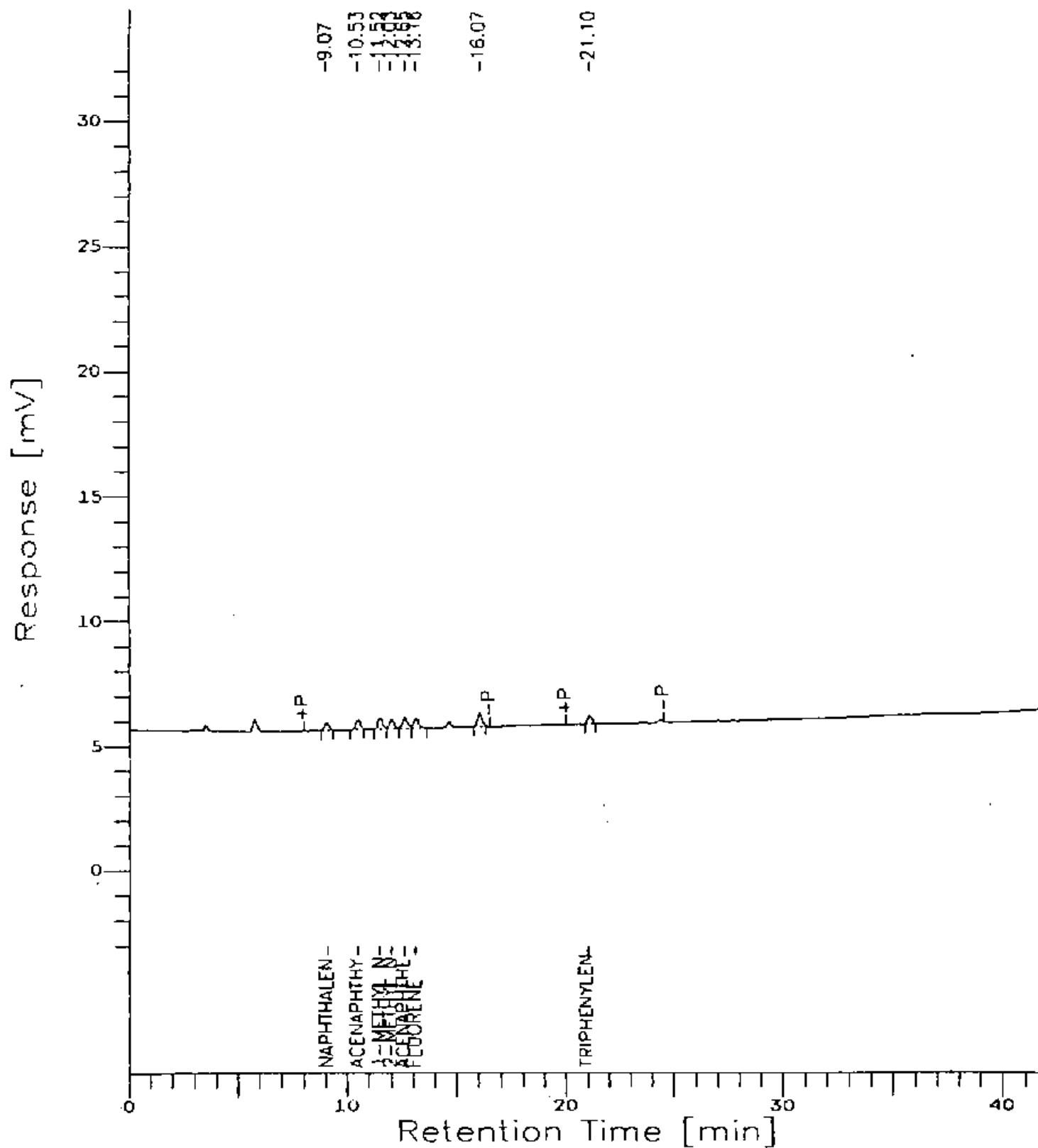
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001476

=====

Sample Name	: STANDARD939121-C	Time	: 12/5/93 1:18 PM
Sample Number	: 4	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:00 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-004.raw
Result File : D:\TEMP\TERS391D.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	9993	657.24	BB
2	ACENAPHTHYLENE	10.5	11209	736.80	MM
3	1-METHYL NAPHTHALENE	11.5	12444	869.87	MM
4	2-METHYL NAPHTHALENE	12.0	9727	687.94	MM
5	ACENAPHTHENE	12.6	12232	843.10	MM
6	FLUORENE	13.1	11647	840.57	MM
7		14.6	6407	471.50	BB
8		16.0	15206	1145.11	BB
9	TRIPHENYLENE	21.1	10349	721.60	BB
				99214	6973.73

001477

Chromatogram

48 256

FileName : C:\2700\DATA\1AU-004.raw

Date : 12/5/93 1:18 PM

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Start Time : 0.00 min

End Time : 42.00 min

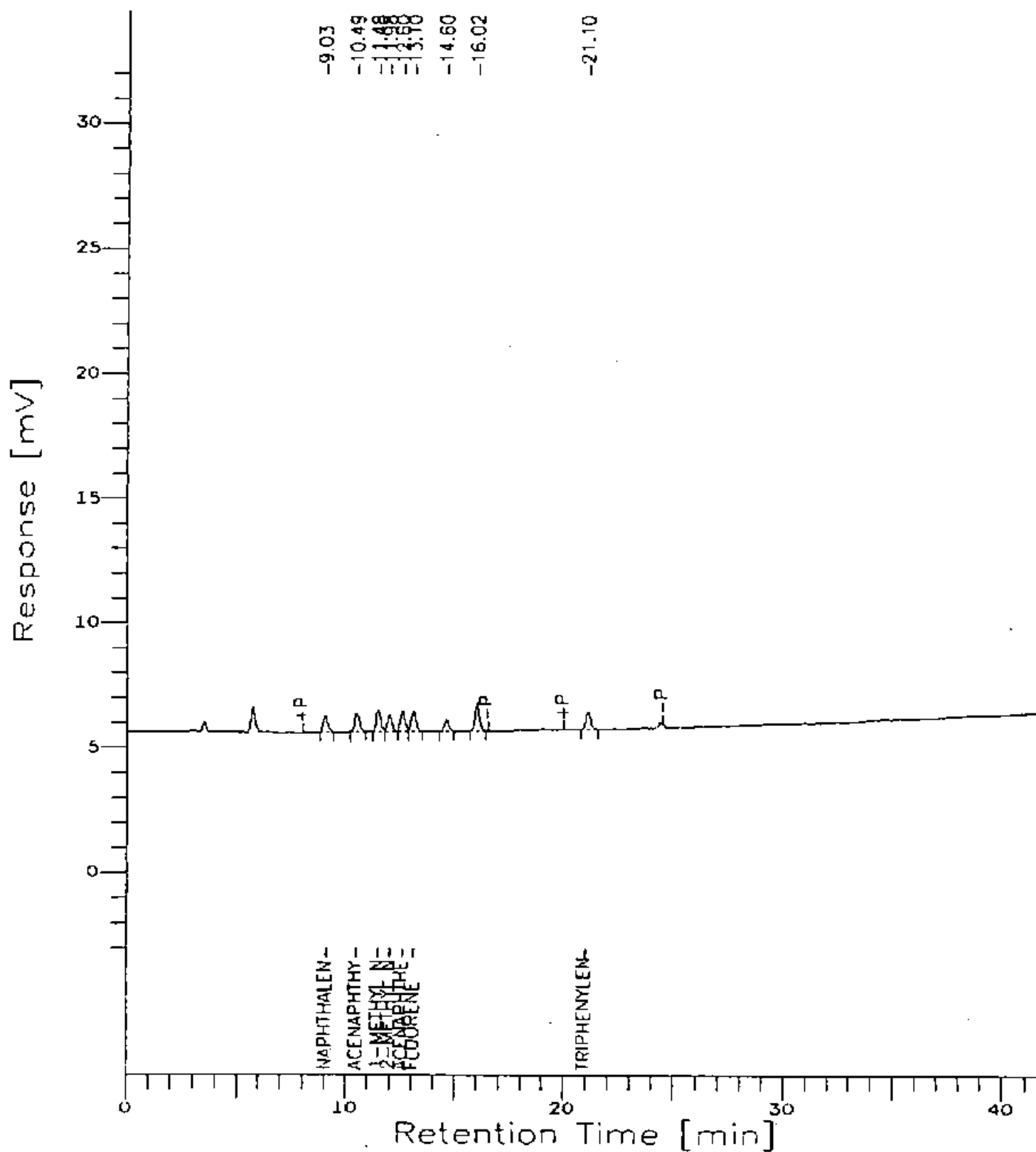
Low Point : -3.00 mV

High Point : 32.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 35 mV



001478

=====

Sample Name	: STANDARD939121-C2	Time	: 12/5/93 1:18 PM
Sample Number	: 5	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:55 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-005.raw
Result File : D:\TEMP\TERS1623.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.pro
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT					
Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	20078	1341.60	MM
2	ACENAPHTHYLENE	10.5	23239	1524.25	BB
3	1-METHYL NAPHTHALENE	11.5	25229	1762.79	MM
4	2-METHYL NAPHTHALENE	12.0	19802	1384.50	MM
5	ACENAPHTHENE	12.6	25085	1725.55	MM
6	FLUORENE	13.1	24137	1714.48	MM
7		14.7	12449	945.74	BB
8		16.0	30751	2322.46	BB
9	TRIPHENYLENE	21.1	20812	1473.21	BB
10		24.3	7157	446.14	BB
				208739	14640.73

Chromatogram

FileName : C:\2700\DATA1\1AU-005.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:18 PM

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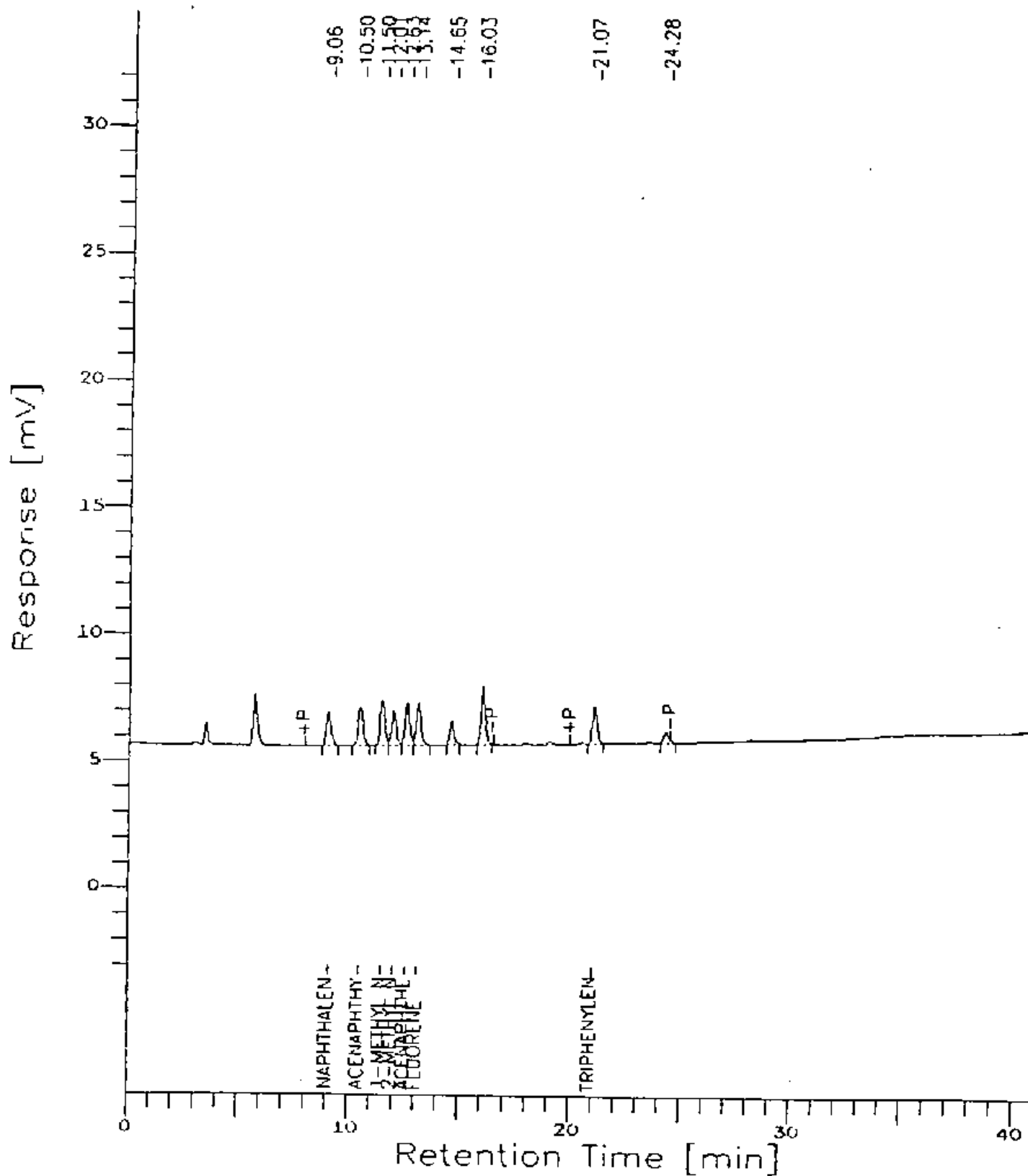
Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 32.00 mV

Plot Scale: 35 mV



001480

=====

Sample Name : STANDARD939121-B	Time : 12/5/93 1:18 PM
Sample Number: 6	Study :
Operator :	

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 10:50 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-006.raw
 Result File : D:\TEMP\TERSOF41.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.pro
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	105278	6790.82	BB
2	ACENAPHTHYLENE	10.5	118058	7589.08	BB
3	1-METHYL NAPHTHALENE	11.5	127006	8779.94	MM
4	2-METHYL NAPHTHALENE	12.0	100034	6932.33	MM
5	ACENAPHTHENE	12.6	126252	8624.65	MM
6	FLUORENE	13.1	124281	8763.63	MM
7		14.6	66505	4891.13	BB
8		16.0	157941	11644.35	BB
9	TRIPHENYLENE	21.1	105193	7460.89	BB
10		24.3	37457	2276.67	BB

1068004 73753.48

Chromatogram

48 260

Filename : C:\2700\DATA\1AU-006.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:18 PM

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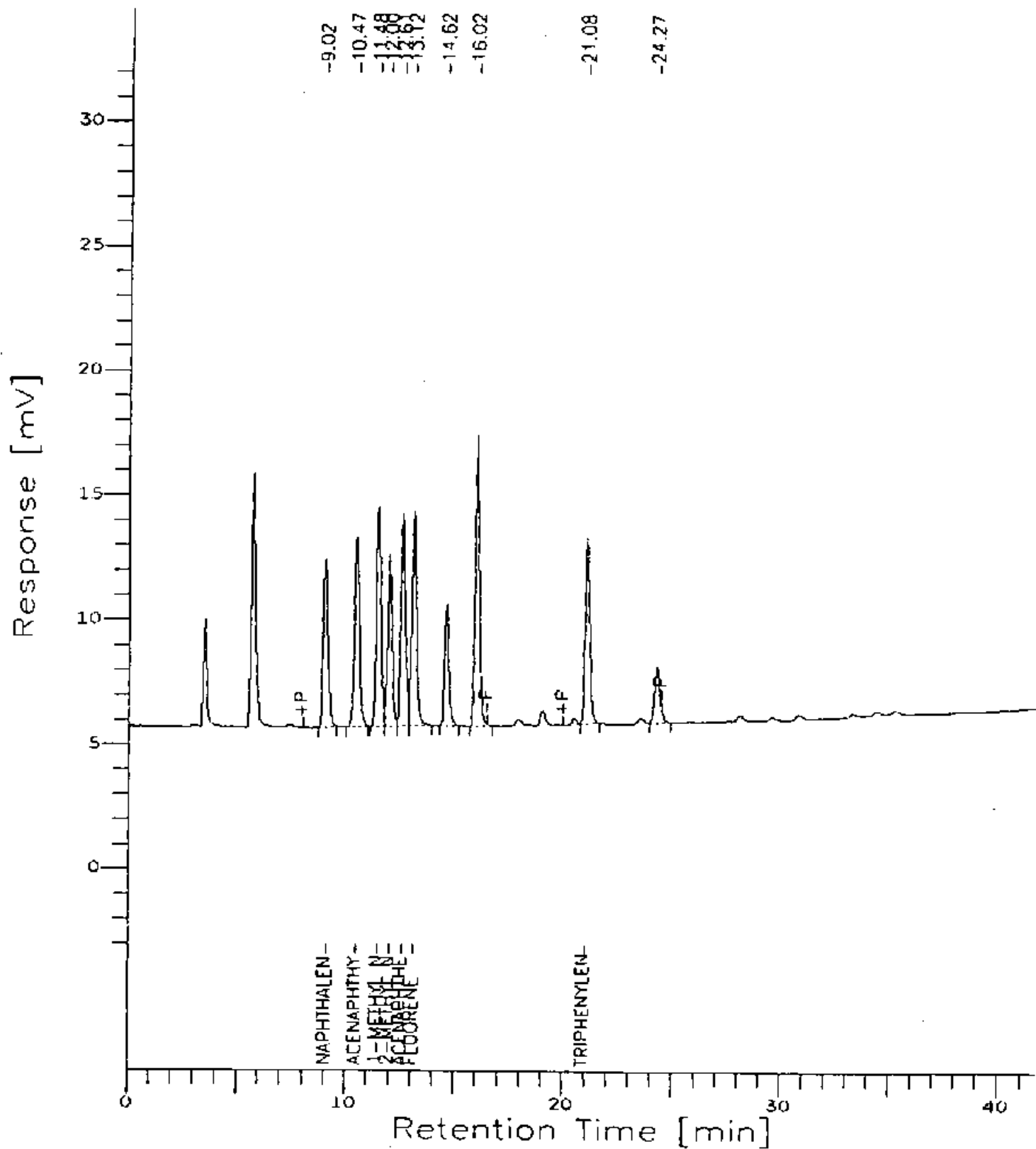
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001482

=====

Sample Name	: STANDARD939121-B2	Time	: 12/5/93 1:17 PM
Sample Number	: 7	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 11:44 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-007.raw
Result File : D:\TEMP\TERS2BOD.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	208378	13434.28	BB
2	ACENAPHTHYLENE	10.5	236255	15110.59	BB
3	1-METHYL NAPHTHALENE	11.5	251882	17401.86	MM
4	2-METHYL NAPHTHALENE	12.0	199141	13780.40	MM
5	ACENAPHTHENE	12.6	250368	17006.07	MM
6	FLUORENE	13.1	247512	17237.48	MM
7		14.7	130811	9648.21	BB
8		16.1	310859	22820.57	BB
9		20.5	6971	527.43	BV
10	TRIPHENYLENE	21.1	211983	14981.67	VB
11		23.5	8412	450.72	BV
12		24.2	74708	4536.53	VB

2137278 146935.81

Chromatogram

48 262

FileName : C:\2700\DATA1\1AU-007.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:17 Pm

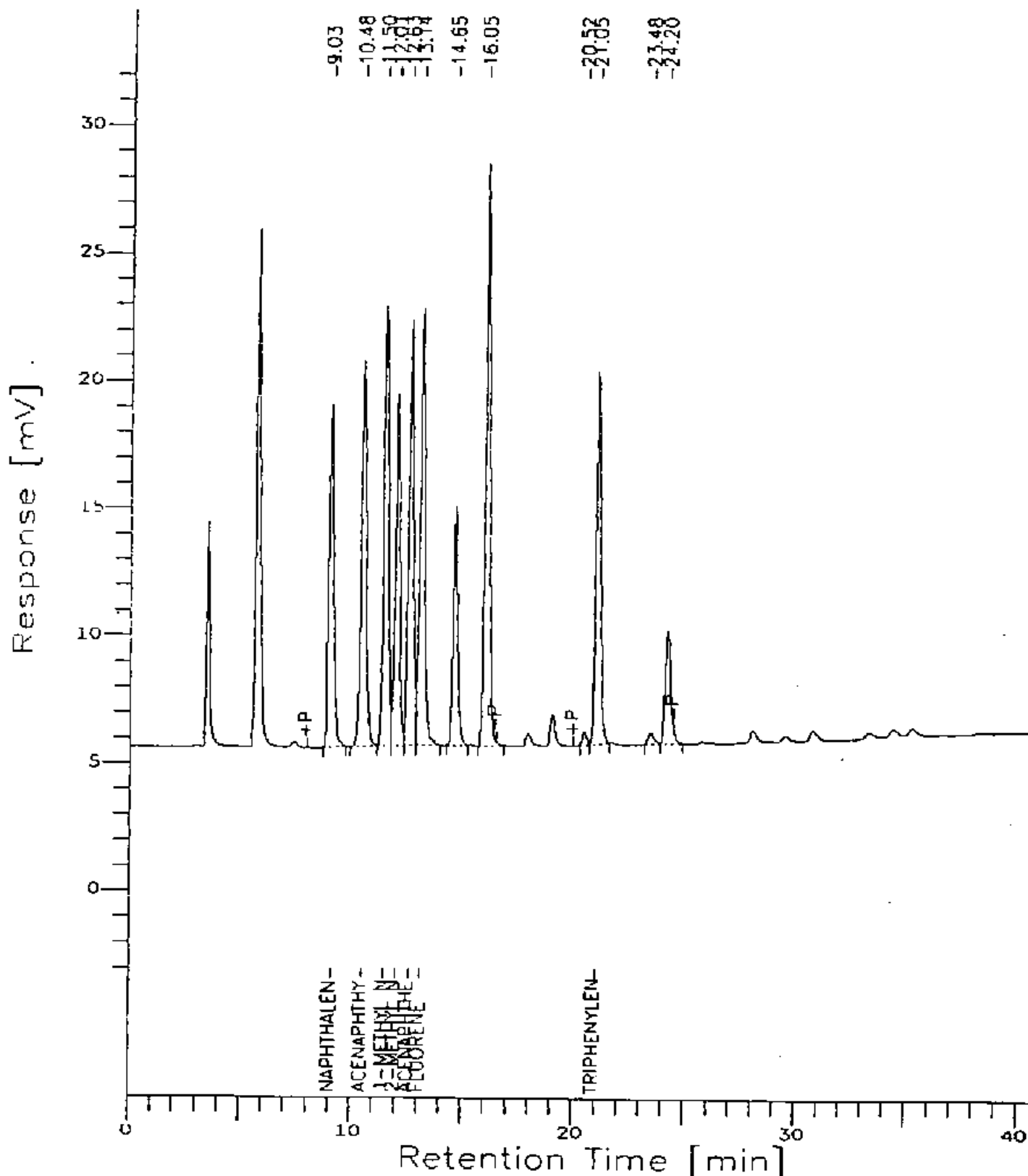
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

Plot Scale: 35 mV

Page 1 of 1
High Point : 32.00 mV



001484

Sample Name : STANDARD939121-B5 Time : 12/5/93 1:17 PM
Sample Number: 8 Study :
Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 12:39 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-008.raw
Result File : D:\TEMP\TERS0516.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	519802	33576.56	BB
2	ACENAPHTHYLENE	10.5	582046	37324.28	BB
3	1-METHYL NAPHTHALENE	11.5	621005	42951.42	MM
4	2-METHYL NAPHTHALENE	12.0	487266	34016.09	MM
5	ACENAPHTHENE	12.6	608534	41563.38	MM
6	FLUORENE	13.1	606321	42786.88	MM
7		14.6	325581	24009.57	BB
8		16.0	734619	53378.94	BB
9		20.5	17382	1304.30	BV
10	TRIPHENYLENE	21.0	518742	36591.65	VB
11		23.5	21441	1134.72	BV
12		24.2	184050	11177.38	VB

5226788 359815.19

Chromatogram

48 264

FileName : C:\2700\DATA\1AU-008.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:17 PM

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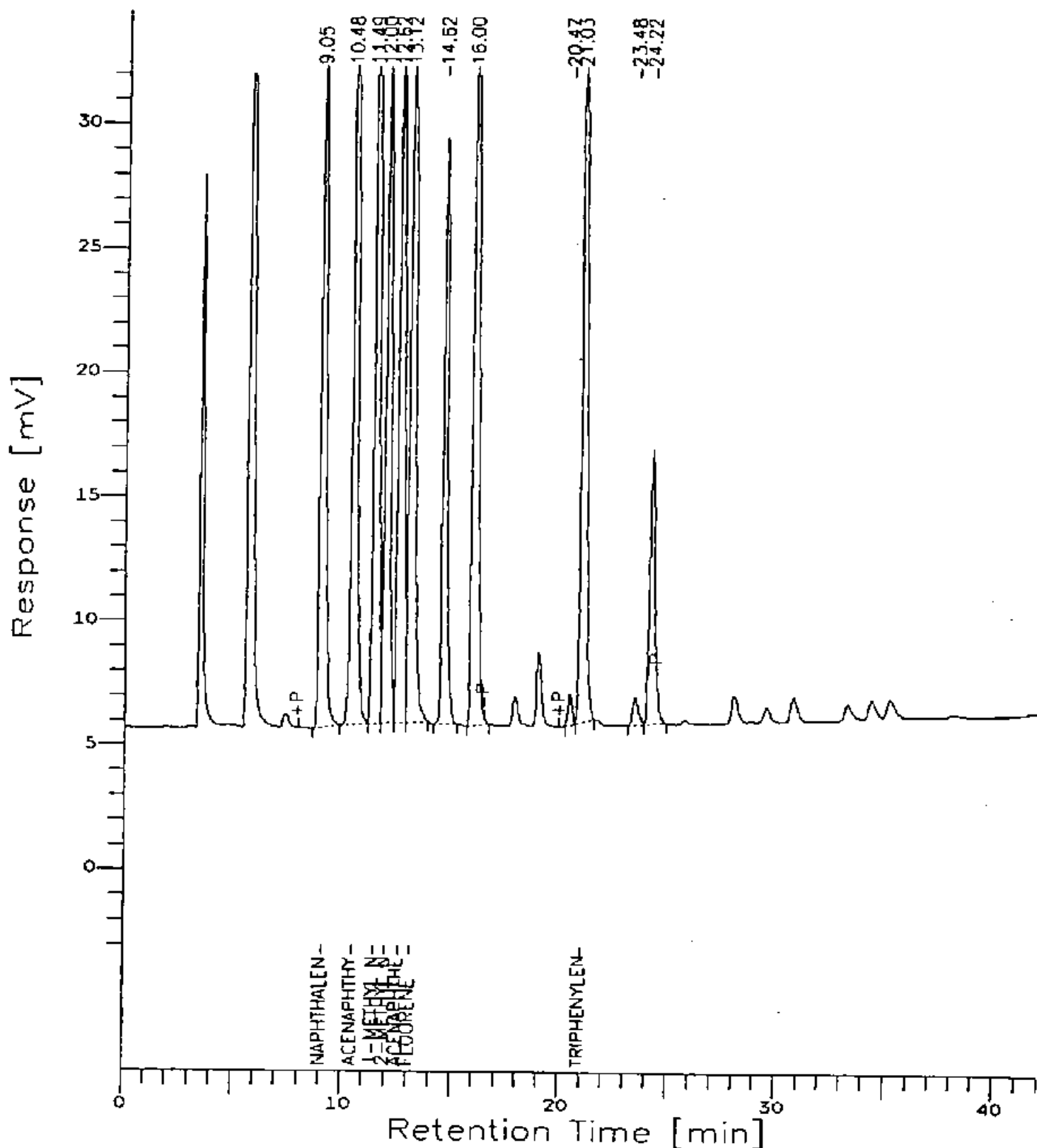
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001486

=====

Sample Name	: STANDARD939121-A	Time	: 12/5/93 1:16 PM
Sample Number	: 9	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 1:34 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-009.raw
Result File : D:\TEMP\TERS2603.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.1	1019453	65725.91	BB
2	ACENAPHTHYLENE	10.6	1144417	73968.26	BB
3	1-METHYL NAPHTHALENE	11.6	1214506	84722.90	MM
4	2-METHYL NAPHTHALENE	12.1	959329	67330.13	MM
5	ACENAPHTHENE	12.7	1137477	79338.59	MM
6	FLUORENE	13.2	1198653	84721.16	MM
7		14.7	637545	46578.88	BB
8		16.1	1404711	98916.10	BB
9		20.6	35225	2598.58	BV
10	TRIPHENYLENE	21.1	1014410	71202.23	VB
11		23.6	43926	2261.40	BV
12		24.4	371426	22003.21	VB

10181077 699367.31

Chromatogram

48 266

FileName : C:\2700\DATA1\1AU-009.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:16 PM

Page 1 of 1

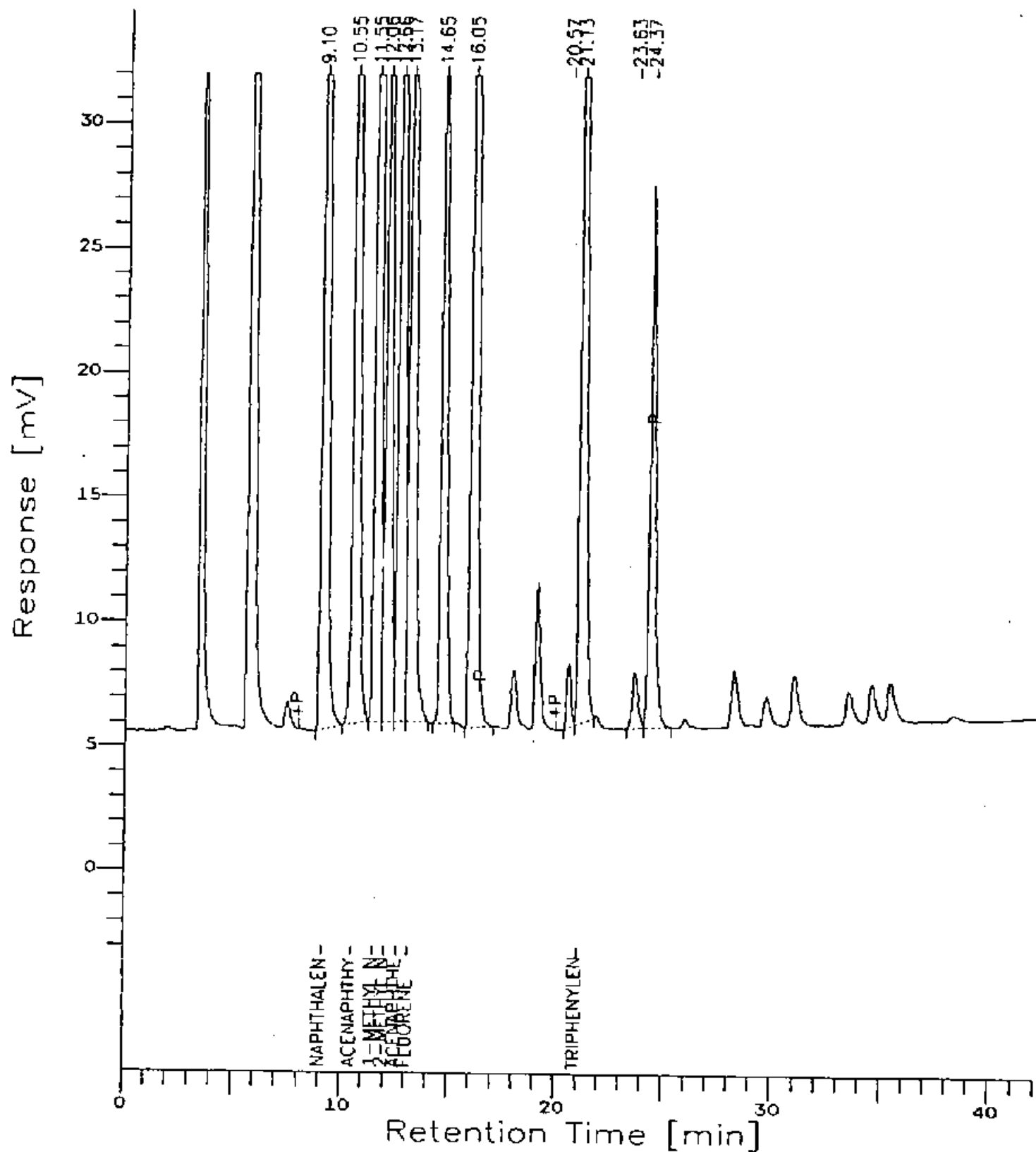
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001488

=====

Sample Name	: ICV*856841-B*1	Time	: 12/5/93 1:16 PM
Sample Number	: 10	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 2:28 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-010.raw
Result File : D:\TEMP\TERS1037.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.prc
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.0	103766	6669.93	MM
2	ACENAPHTHYLENE	10.5	100395	6389.64	BB
3	1-METHYL NAPHTHALENE	11.5	120590	8313.27	MM
4	2-METHYL NAPHTHALENE	12.0	79118	5473.22	MM
5	ACENAPHTHENE	12.6	122750	8357.12	MM
6	FLUORENE	13.1	133368	9306.15	MM
7		14.7	37996	2836.50	BB
8		16.0	70316	5303.06	BB
9	TRIPHENYLENE	21.0	70133	4981.00	BB
10		24.1	16463	1030.64	BB
			854895	58660.54	

Chromatogram

48 268

FileName : C:\2700\DATA\1AU-010.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:16 PM

Page 1

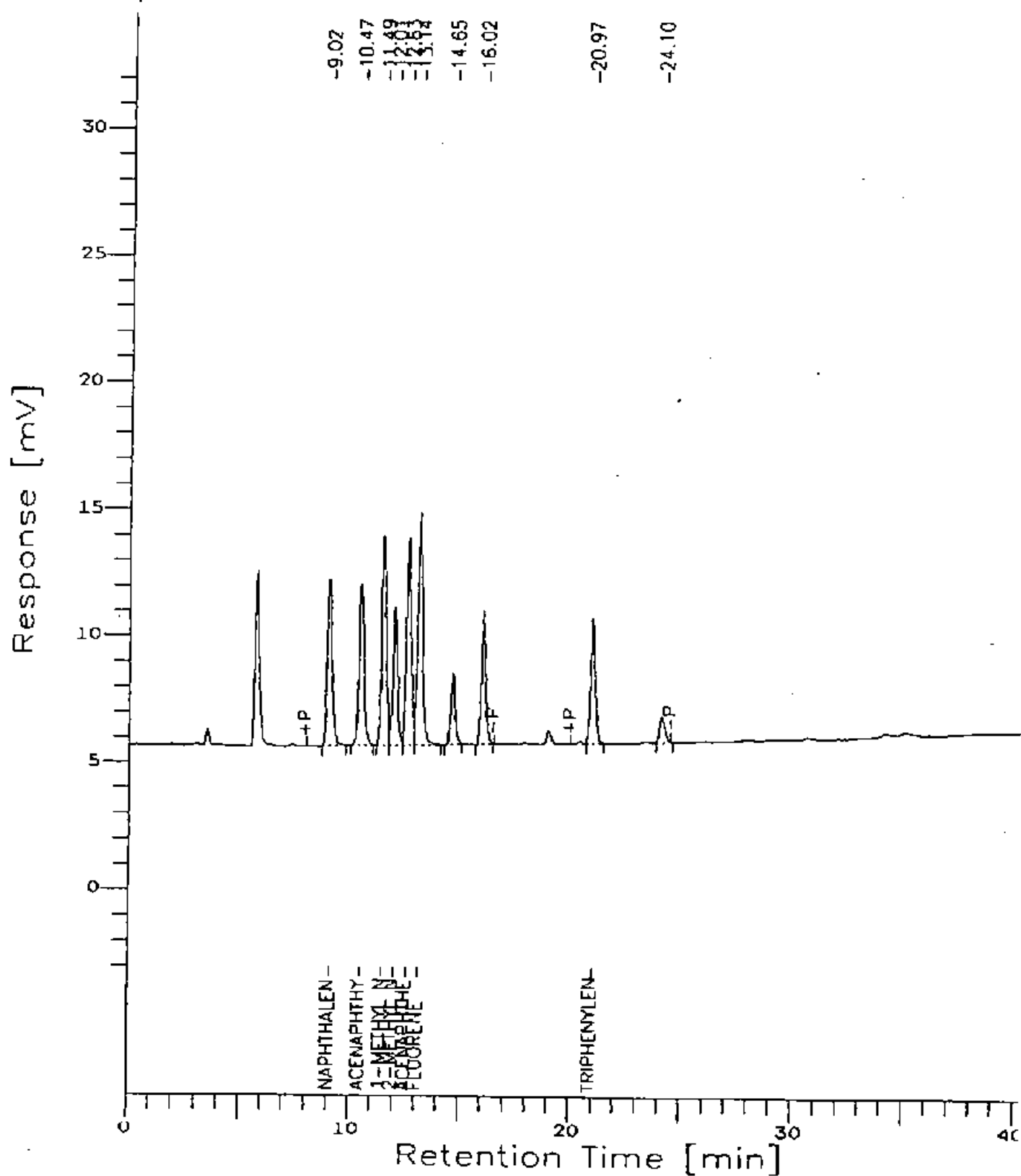
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001490

=====

Sample Name	: CUS*939121-B5*26	Time	: 12/14/93 7:04 PM
Sample Number	: 199	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 5:03 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-199.raw
 Result File : D:\TEMP\TERS3000.rst
 Instrument File: C:\2700\DATA\PARMUV.ins
 Process File : C:\2700\DATA\PARMUV.pro
 Sample File : C:\2700\DATA\PARMUV.snp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	FL
1		8.1	8276	424.05	BB
2	NAPHTHOLINE	9.8	488310	26233.95	MM
3	AD NAPHTHYLENE	11.4	559479	29226.09	MM
4	1-METHYL NAPHTHALENE	12.4	584722	32491.81	MM
5	2-METHYL NAPHTHALENE	12.9	465284	25627.14	MM
6	ACI NAPHTHENE	13.6	579970	31180.20	MM
7	FLUORINE	14.1	580334	31591.23	MM
8		19.0	17911	836.31	BB
9		20.1	42662	2000.48	BB
10		21.5	17230	884.84	MM
11	TRIPHENYLENE	22.1	506495	23133.34	MM

3850672 203629.42

Chromatogram

File Name : C:\2700\DATA\1\1A0-199.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 7:04 PM

Page 1 of 1

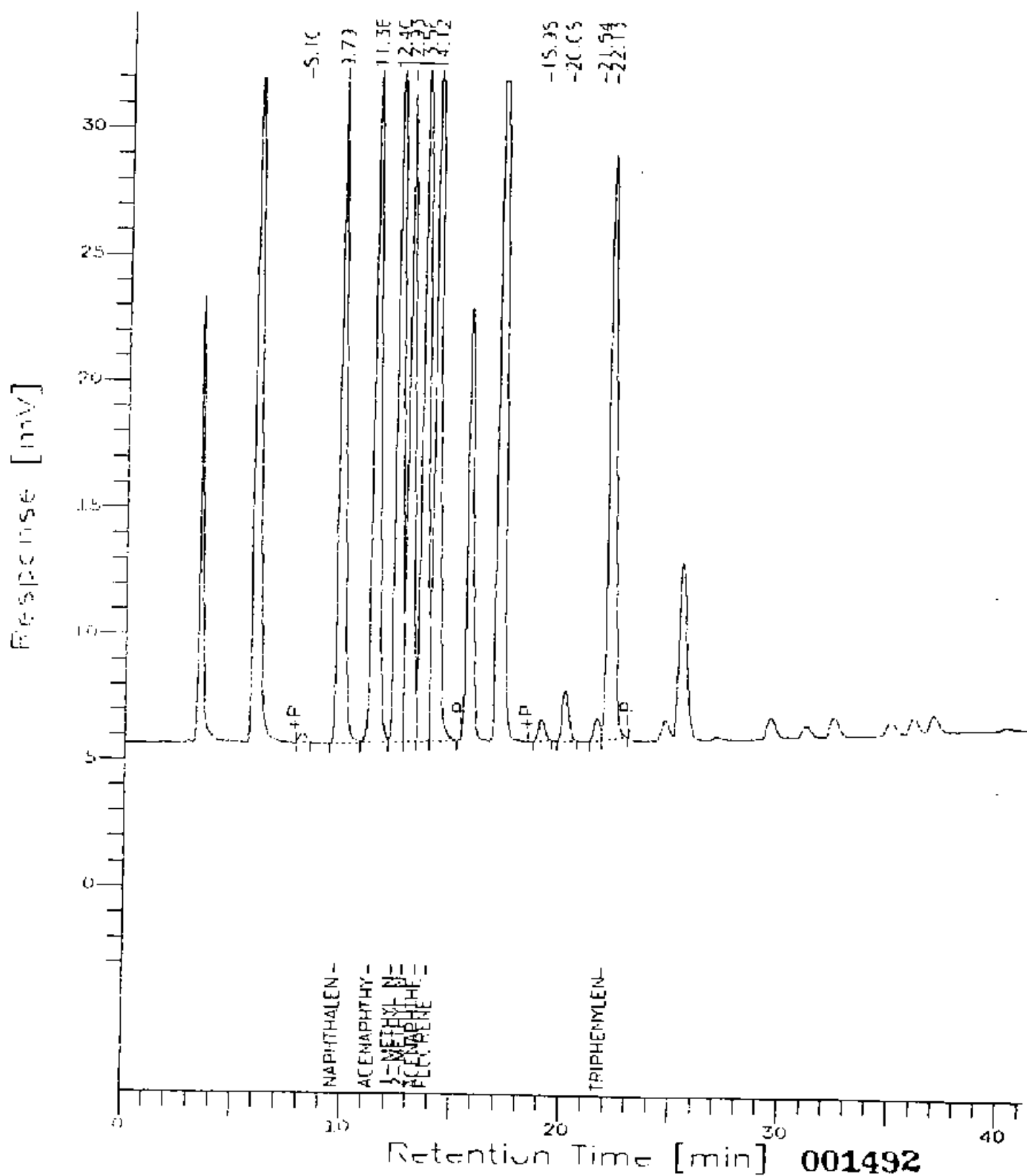
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale : 35 mV



=====

Sample Name	: MB#NONE*.J	Time	: 12/14/93 7:03 PM
Sample Number	: 200	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 5:58 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-200.raw
Result File : D:\TEMP\TRN33A16.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.pro
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1	ETHYLENE	22.2	435354	19938.24	BB
			435354	19938.24	

Chromatogram

File Name : C:\2700\DATA\1AU-200.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 7:03 PM

Page 1 of 1

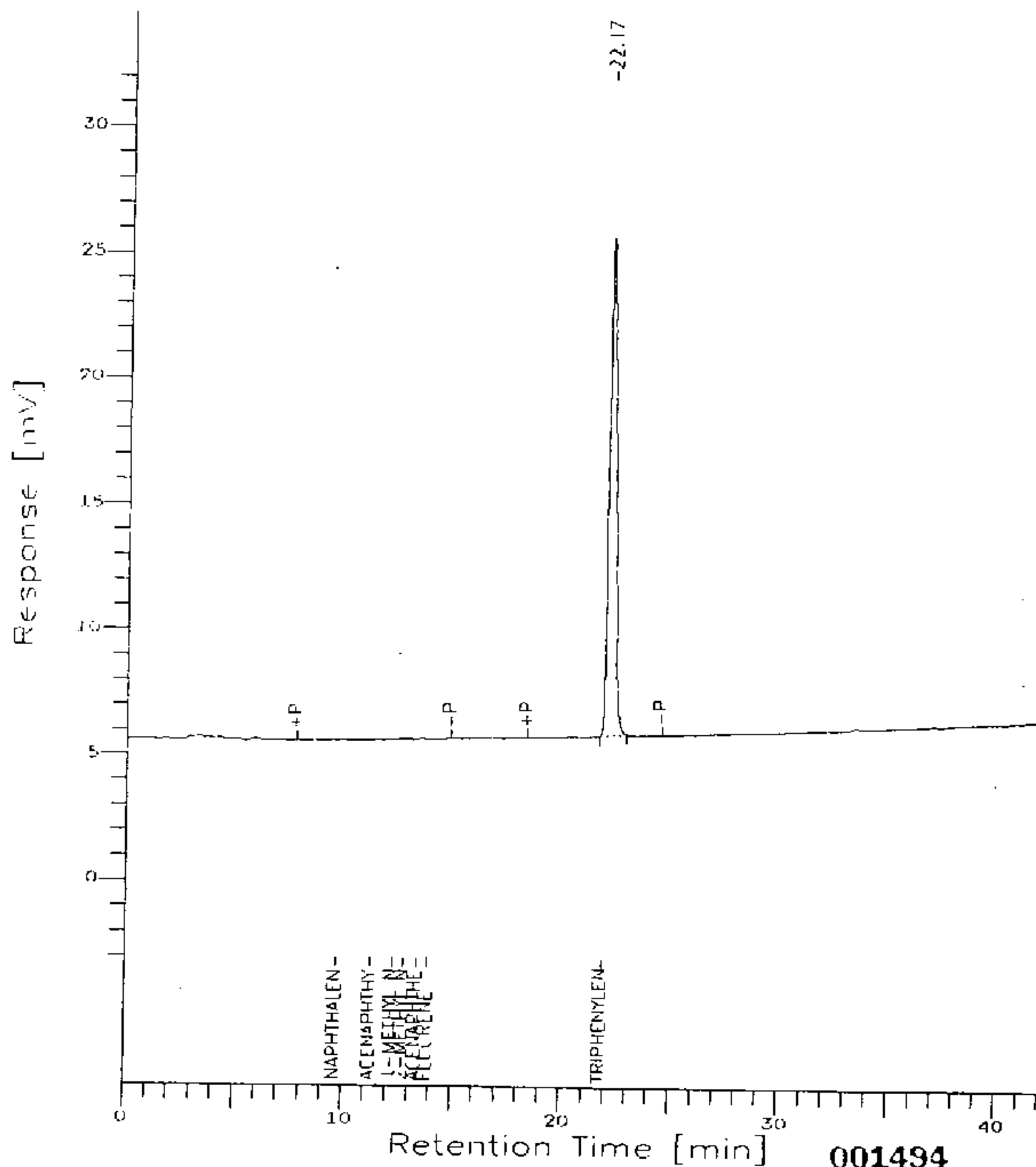
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001494

```

=====
Sample Name   : SPJ11NON#41 1:20           Time       : 12/14/93  7:02 PM
Sample Number : 201                         Study        :
Operator      :

```

```

Interface #   : 1           Channel : A           A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 12/7/93  6:53 AM
Delay Time       : 0.00   min.
End time         : 42.00   min.
Sampling Rate    : 1.0000   pls/sec

```

```

Raw Data File   : C:\2700\DATA1\1AU-201.raw
Result File     : D:\TEMP\TERS2613.rst
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHUV.pro
Sample File     : C:\2700\DATA\PAHUV.smp
Sequence File   : C:\2700\DATA\default.seq

```

```

Inj. Volume     : 1           ul           Area Reject : 2000.00
Sample Amount   : 1.0000

```

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	SL
1	NAPHTHALENE	9.8	23496	1283.51	BS
2	ACENAPHTHYLENE	11.4	15729	856.02	BS
3	ACENAPHTHENE	13.6	12050	669.35	UV
4	FLUORENE	14.1	36693	2029.07	VB
5		21.7	5576	261.67	MM
6	TRIPHENYLENE	22.2	21917	959.04	MM
			115461	6058.67	

Chromatogram

FileName : D:\2700\DATA\1AU-201.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 7:02 PM

Page 1 of 1

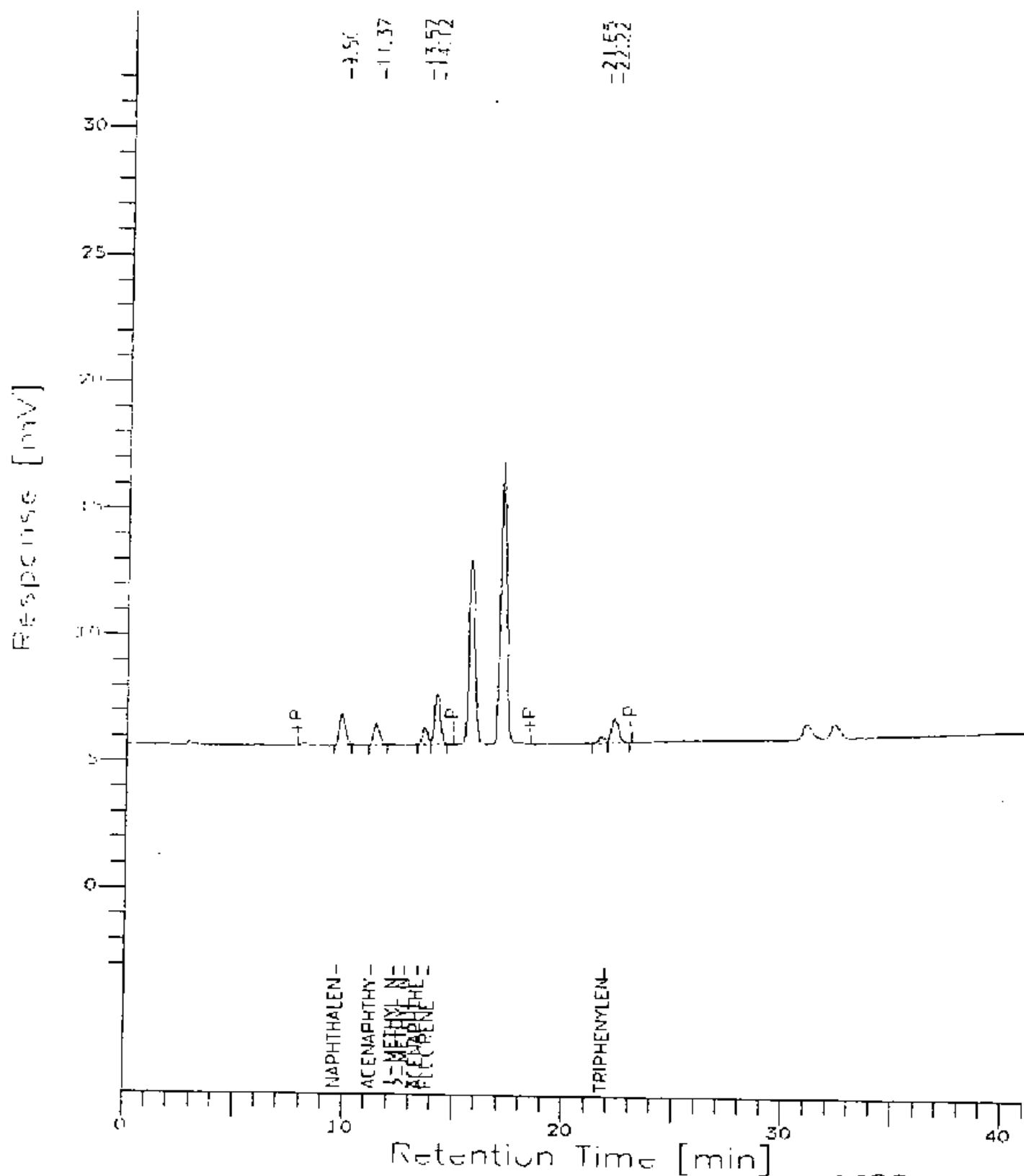
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 30 mV



001496

=====

Sample Name : SPM1*CD00MTW130 1:20 Time : 12/14/93 7:01 PM
 Sample Number: 202 Study :
 Operator :

Interlace # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 7:48 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-202.raw
 Result File : D:\TEMP\TERSI\FILE.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.pro
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default1.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.8	24890	1321.00	BB
2	ACENAPHTHYLENE	11.4	16232	880.62	BB
3	ACENAPHTHENE	13.6	12966	680.80	BV
4	FLUORENE	14.2	39405	2122.60	VB
5		21.6	4754	238.89	IV
6	1-NAPHTHOL	22.2	17393	788.33	VB
			115639	6032.24	

Chromatogram

48 276

FileName : C:\2700\DATA\1AU-202.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 7:01 PM

Page 1 of 1

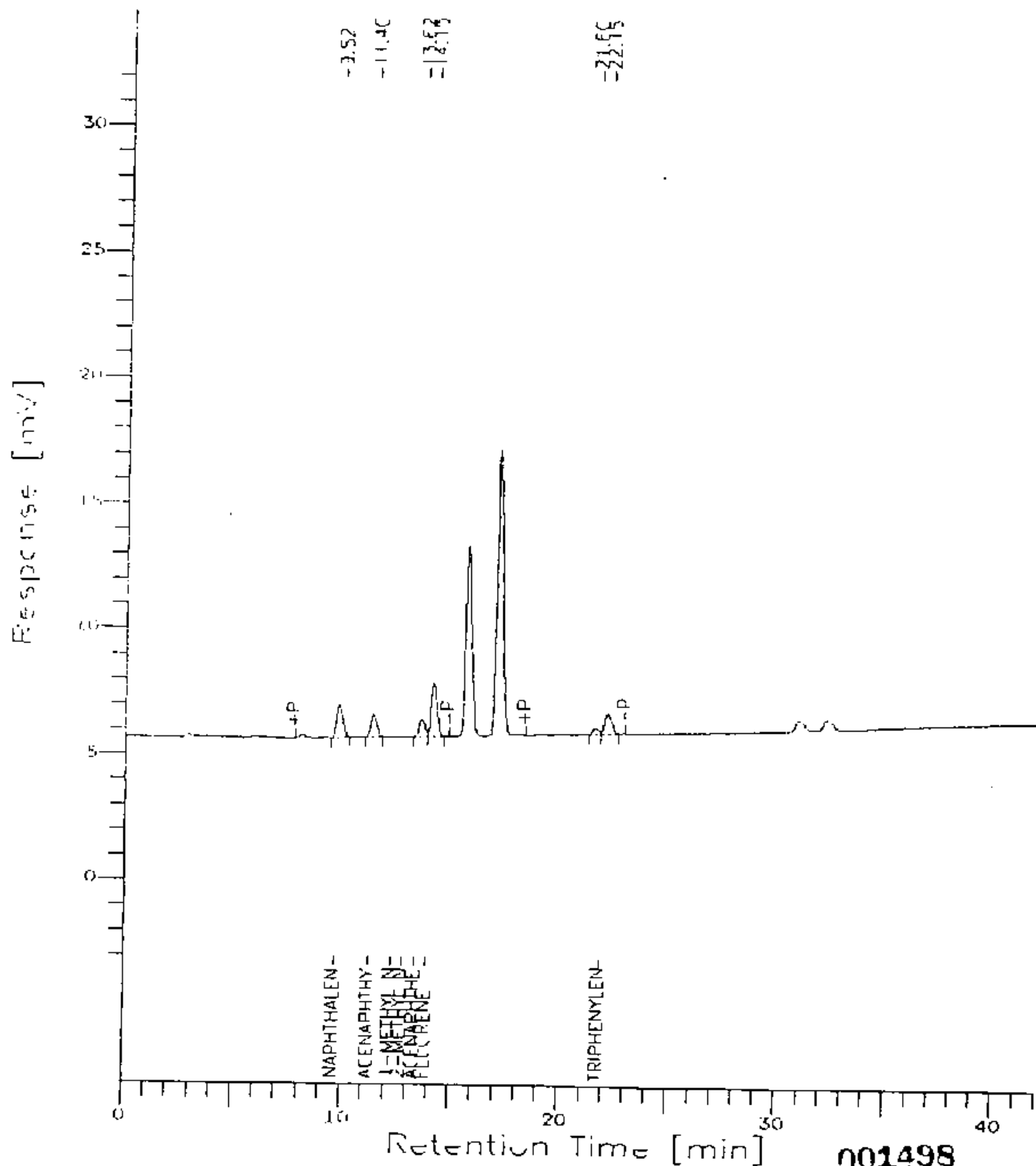
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



=====

Sample Name : SPH2*CODMTW*10 1:20 Time : 12/14/93 7:00 PM
 Sample Number : 203 Study :
 Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 8:42 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AU-203.raw
 Result File : D:\TEMP\TERS2AOC.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.pro
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	NAPHTHALENE	9.8	22431	1194.79	BB
2	ACENAPHTHYLENE	11.4	15069	809.50	BB
3	ACENAPHTHENE	13.6	11672	624.90	BV
4	FLUORENE	14.2	36288	1979.05	VB
5		21.6	4497	223.53	MM
6	TRIPHENYLENE	22.2	17845	778.55	MM
				107801	5610.31

Chromatogram

FileName: C:\2700\DATA1\1AU-203.raw

Start Time: 0.00 min

End Time: 42.00 min

Date: 12/14/93 7:00 PM

Page 1 of

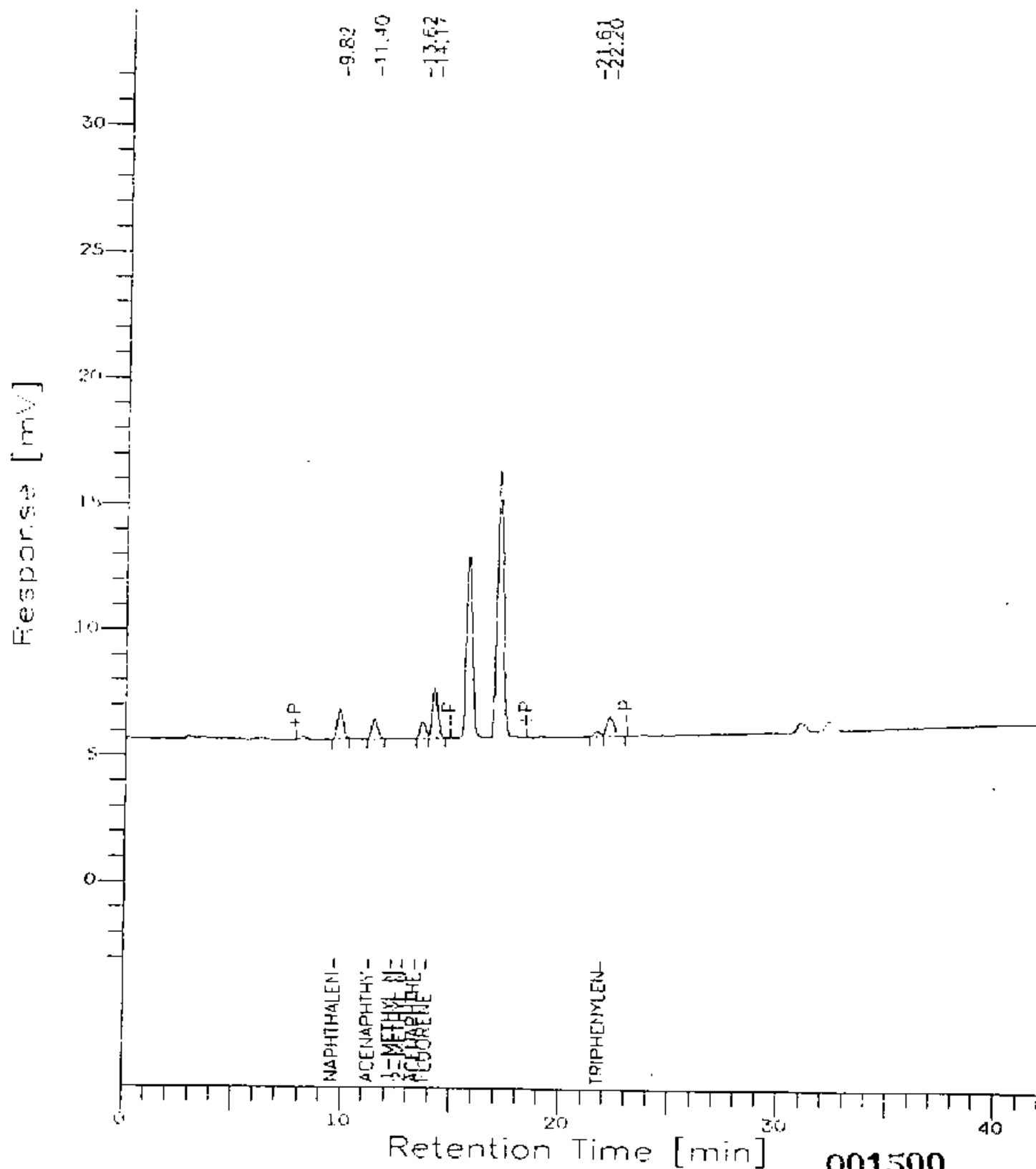
Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 32.00 mV

Plot Scale: 35 mV



001500

=====

Sample Name	: CDDMTW*10	Time	: 12/14/93 6:58 PM
Sample Number	: 204	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 9:37 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AU-204.raw
Result File : D:\TEMP\TERS052E.lst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHUV.pro
Sample File : C:\2700\DATA\PAHUV.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 2000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1	CHLOROPHENYLENE	22.2	357181	16317.82	BB
2		23.8	7053	392.00	BB
			364234	16710.82	

=====

Chromatogram

48 280

FileName : C:\2700\DATA\AU-204.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:55 PM

Page 1 of 1

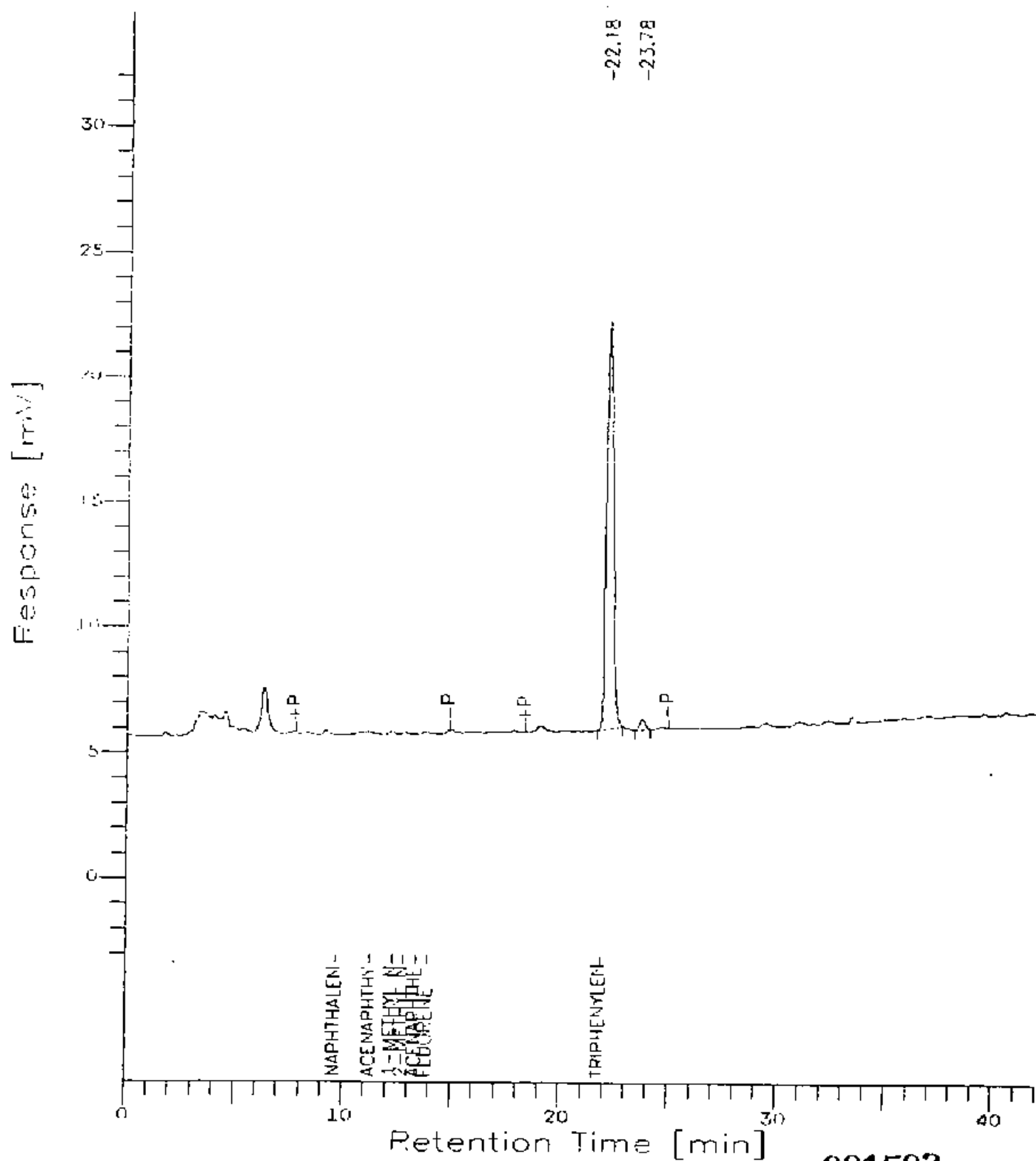
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



001502

=====

Sample Name	: C:\DATA\W*9	Time	: 12/14/93 6:57 PM
Sample Number	: 20%	Study	:
Operator	:		

Interface # : 0 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 10:32 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\JAL-205.raw
 Result File : D:\TEMP\TERS1069.rst
 Instrument File: C:\2700\DATA\PARUV.ins
 Process File : C:\2700\DATA\PARUV.pro
 Sample File : C:\2700\DATA\PARUV.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1	INTERFERENCE	22.2	376657	17353.88	NH
			376657	17353.88	

Chromatogram

48 282

FileName : E:\2700\DATA1\1AU-205.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:57 PM

Page 1 of

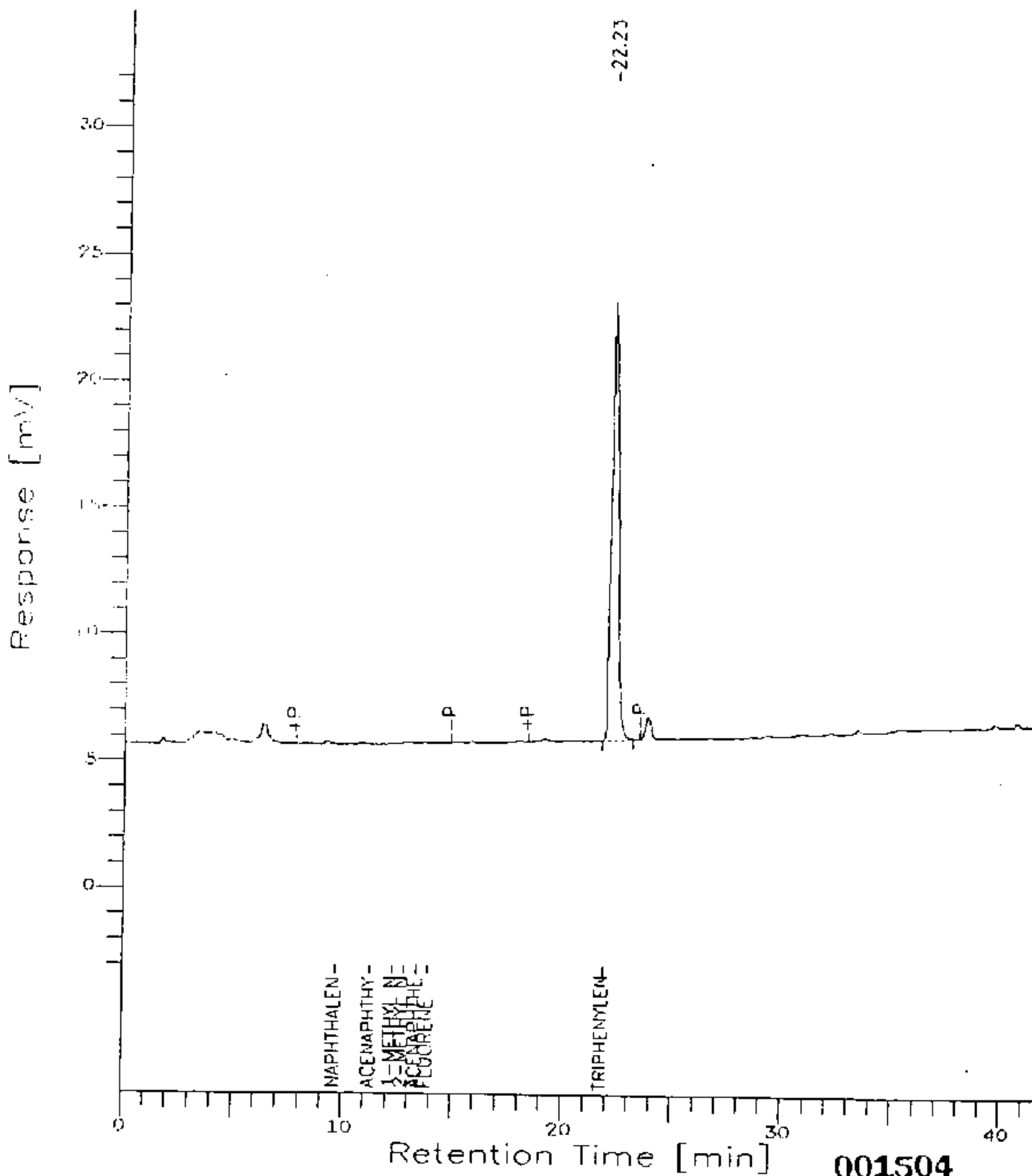
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale : 35 mV



001504

=====

Sample Name	: CDDH1W*11	Time	: 12/14/93 6:56 PM
Sample Number	: 206	Study	:
Operator	:		

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 11:26 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AU-206.raw
 Result File : D:\TEMP\TERS3806.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.prc
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 1 ul Area Reject : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height BL [uV]
1		9.2	10181	543.52 RF
2	TRIPHENYLENE	22.1	251621	21403.52 RM
			261806	11987.12

=====

Chromatogram

48 284

Filename : C:\2700\DATA\1AU-206.1aw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:56 PM

Page 1 of

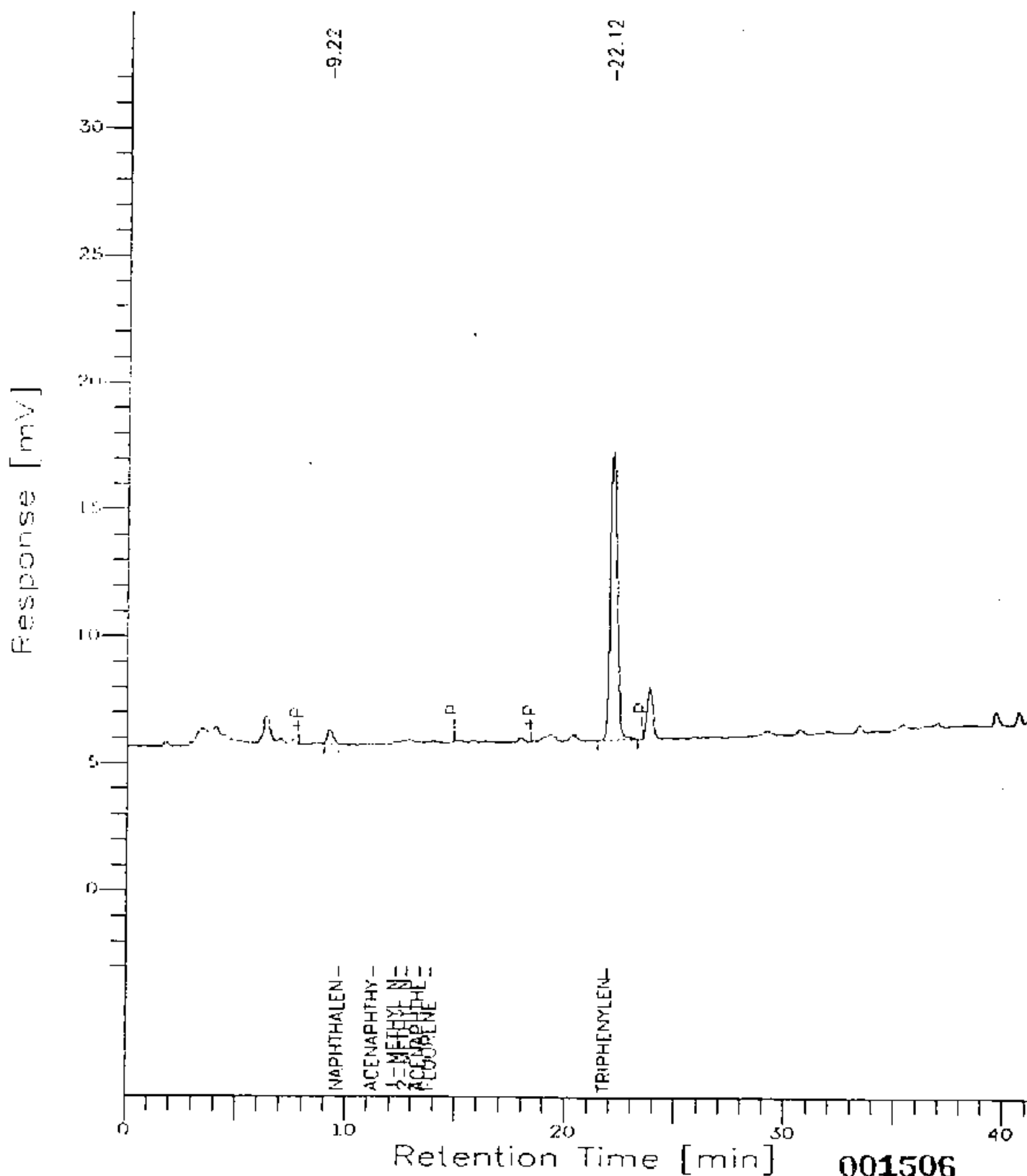
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



```
=====
Sample Name   : CDMTW*12           Time       : 12/14/93  6:54 PM
Sample Number : 207                Study      :
Operator      :
=====
```

```
Interface B   : 1                Channel : A      A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0
=====
```

```
Data Acquisition Time: 12/7/93  3:10 PM
Delay Time      : 0.00 min.
End Time       : 42.00 min.
Sampling Rate   : 1.0000 pts/sec
=====
```

```
Raw Data File   : C:\2700\DATA1\1AU-207.raw
Recall File     : D:\TEMP\TERS1C26.net
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHUV.pro
Sample File     : C:\2700\DATA\PAHUV.smp
Sequence File   : C:\2700\DATA\default.seq
=====
```

```
Int. Volume     : 1.000000          Area Reject : 2000.00
Sample Amount   : 1.000000
=====
```

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min.]	Area [mV-sec]	Height [mV]	EL
1	DIETHYLYNE	21.9	408638	22072.32	118
			408638	22072.32	

48 286

Chromatogram

Filename : C:\2700\DATA\190-207.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:54 PM

Page 1 of 1

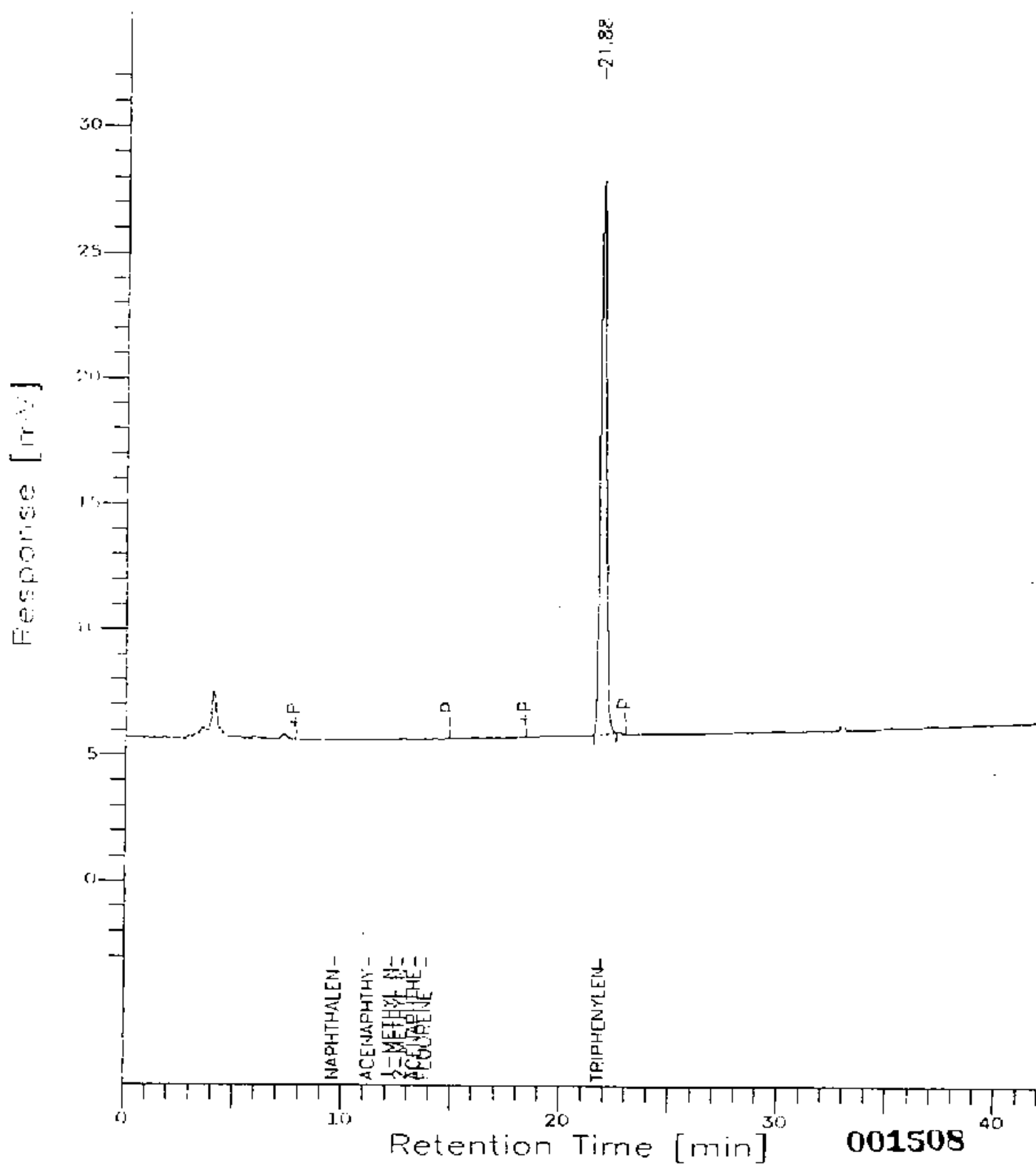
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 32.00 mV

Plot Scale: 35 mV



=====

Sample Name : 003*929121-85*27 Time : 12/14/93 6:53 PM
 Sample Number: 208 Study :
 Operator :

Interface # : 1 Channel : A A/D mV Range : 1000
 AutoSample : None attached
 Rack/Vial : n/c

Data Acquisition Time: 12/7/93 4:05 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\JA01-208.raw
 Result File : D:\TEMP\TERS3355.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHUV.pro
 Sample File : C:\2700\DATA\PAHUV.smp
 Sequence File : C:\2700\DATA\JA01-208.seq

Int. Volume : 1 ul Area Percent : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time (min)	Area (uV-sec)	Height [uV]	DL
1		8.1	6579	447.67	LB
2	NAFTHALENE	9.8	492852	26797.47	BB
3	ACENAPHTHYLENE	11.4	556792	29903.37	BB
4	1-METHYL NAFTHALENE	12.4	588280	33675.80	MM
5	2-METHYL NAFTHALENE	13.0	466206	26600.27	MM
6	ACENAPHTHENE	13.6	583096	32319.92	MM
7	FLUORENE	14.1	579099	33883.77	MM
8		18.9	16881	853.98	BB
9		19.9	44007	2193.48	BB
10		21.3	17136	961.86	BB
11	TRIPHENYLENE	21.9	50710	25696.67	VB

3860026 212404.25

Chromatogram

48 288

FileName : C:\2700\DATA\161-208.raw

Start Time : 0.00 min

Scale Factor: 0

End Time : 42.00 min

Plot Offset: -3 mV

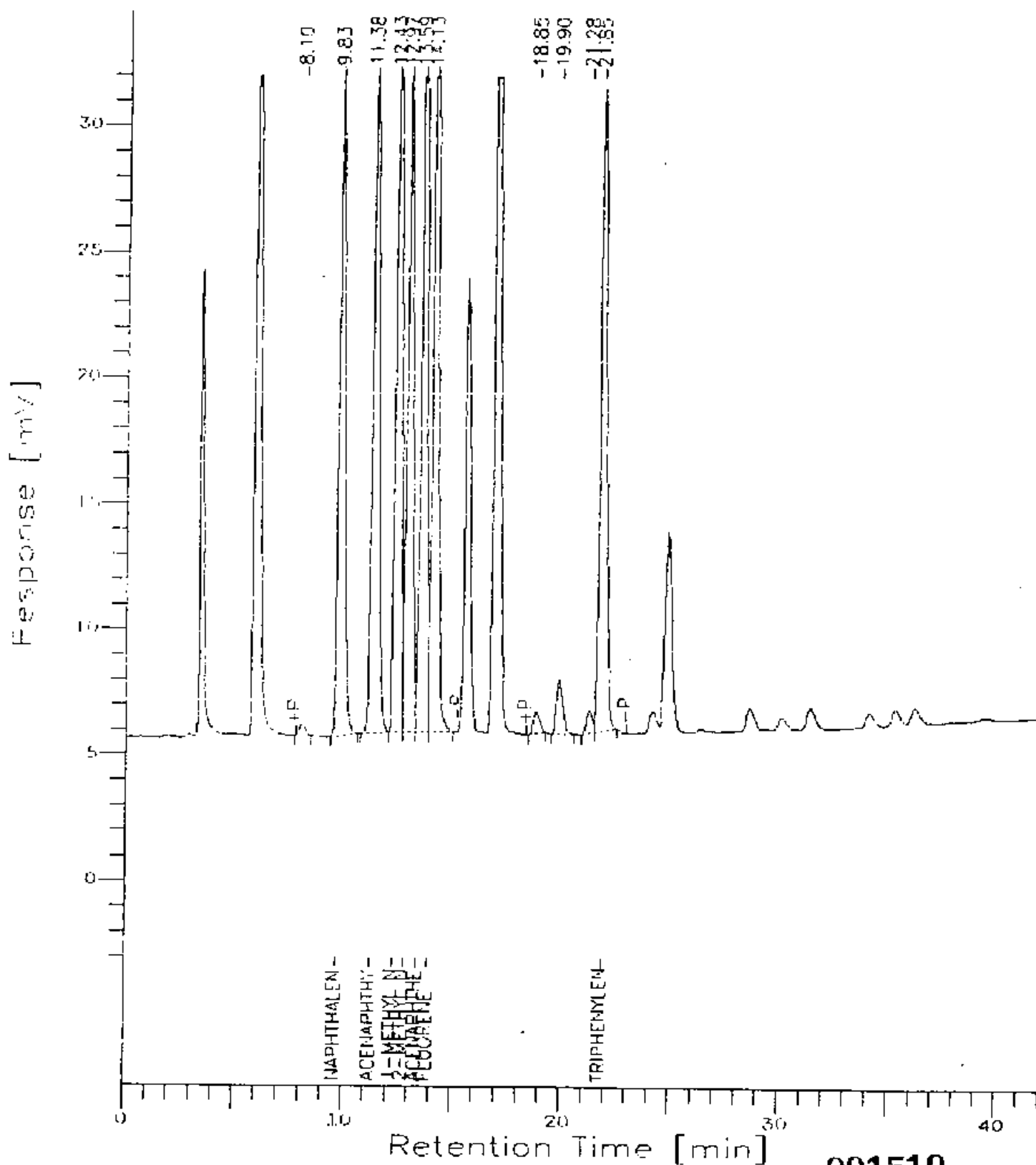
Date : 12/14/93 6:53 PM

Low Point : -3.00 mV

Plot Scale: 35 mV

Page 1 of 1

High Point : 32.00 mV



001510

***** SUMMARY REPORT *****

ANALYSIS DATE: 12-07-93 ANALYST: BTJ, 2356 BATCH: 044731

Fluorescence
Data

Sample Name	File Name	Date Of Injection	Time Of Injection	PHENANTHRENE	
				Ret. Time (Min)	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	14.728	25374
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	14.683	55795
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	14.719	111832
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	14.711	555461
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	14.733	1090194
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	14.764	2755652
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	14.733	5496991
ICV*856841-B*1	IAF-010.	11/25/93	2:28 AM	14.729	316468
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	15.754	2649476
MB*HONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SPI*HONE*1 1:20	IAF-201.	12/7/93	6:53 AM	15.750	1052449
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM	15.800	1143579
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM	15.800	1087452
CODMTW*10	IAF-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAF-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	15.713	2660572
Averages				15.120	1464715
%RSD				3.51	106.71

Sample Name	File Name	Date Of Injection	Time Of Injection	ANTHRACENE	
				Ret. Time (Min)	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	16.132	35683
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	16.074	62498
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	16.151	128306
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	16.093	641284
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	16.133	1276506
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	16.085	3194948
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	16.133	6387892
ICV*856841-B*1	IAF-010.	11/25/93	2:28 AM	16.101	274640
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	17.152	3049425
MB*HONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SPI*HONE*1 1:20	IAF-201.	12/7/93	6:53 AM	17.167	771692
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM	17.217	801201
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM	17.200	748702
CODMTW*10	IAF-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAF-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	17.061	3048212
Averages				16.515	1570845

001511

%RSD

3.22 118.33

48 290

Sample Name	File Name	Date Of Injection	Time Of Injection	FLUORANTHENE	
				Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAF-003.	11/24/93	8:05 PM	17.973	3987a
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	17.930	86415
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	17.980	171229
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	17.967	876172
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	17.967	1717352
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	17.928	4367172
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	18.000	8663346
ICV*856841-B*1	IAF-010.	11/25/93	2:28 AM	17.899	251135
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	19.018	4129724
MB*NONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SPI*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----
CODMTW*10	IAF-204.	12/7/93	9:37 AM	19.083	1278626
CODMTW*9	IAF-205.	12/7/93	10:32 AM	19.167	376958
CODMTW*11	IAF-206.	12/7/93	11:26 AM	-----	-----
CODMTW*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	18.886	4168797
Averages				18.315	2177250
%RSD				2.92	121.73

Sample Name	File Name	Date Of Injection	Time Of Injection	PYRENE	
				Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-05	IAF-003.	11/24/93	8:05 PM	19.183	21342
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	19.161	43535
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	19.123	84971
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	19.131	421648
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	19.143	648220
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	19.090	2140803
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	19.183	4234393
ICV*856841-B*1	IAF-010.	11/25/93	2:28 AM	19.067	350233
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	20.184	2080065
MB*NONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SPI*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----
CODMTW*10	IAF-204.	12/7/93	9:37 AM	-----	-----
CODMTW*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CODMTW*11	IAF-206.	12/7/93	11:26 AM	19.050	968990
CODMTW*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	19.986	2125477
Averages				19.300	1210880
%RSD				2.04	108.30

Sample Name	File Name	Date Of Injection	Time Of Injection	BENZ(DI)ANTHRACENE	
				Ret. Time [Min]	Area

001512

CH3CN	IAF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	23.640	42906
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	23.697	81164
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	23.582	162906
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	23.562	823342
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	23.513	1627178
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	23.517	4062814
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	23.650	8116435
ICV*856841-B*J	IAF-010.	11/25/93	2:28 AM	23.408	212807
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	24.696	3849964
MB*NONE*J	IAF-200.	12/7/93	5:58 AM		
SPI*NONE*J 1:20	IAF-201.	12/7/93	6:53 AM		
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM		
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM		
CODMTW*10	IAF-204.	12/7/93	9:37 AM	24.700	406913
CODMTW*9	IAF-205.	12/7/93	10:32 AM	24.720	117893
CODMTW*11	IAF-206.	12/7/93	11:26 AM	24.583	256865
CODMTW*12	IAF-207.	12/7/93	3:10 PM		
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	24.237	3854985
Averages				23.962	1816629
%RSD				2.22	135.60

CHRYSENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	24.481	36737
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	24.493	73275
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	24.390	156476
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	24.368	750200
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	24.312	1518686
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	24.31E	3828887
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	24.467	7585373
ICV*856841-B*J	IAF-010.	11/25/93	2:28 PM	24.210	349961
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	25.527	3727343
MB*NONE*J	IAF-200.	12/7/93	5:58 AM		
SPI*NONE*J 1:20	IAF-201.	12/7/93	6:53 AM		
SPM1*CODMTW*10 1:20	IAF-202.	12/7/93	7:48 AM		
SPM2*CODMTW*10 1:20	IAF-203.	12/7/93	8:42 AM		
CODMTW*10	IAF-204.	12/7/93	9:37 AM		
CODMTW*9	IAF-205.	12/7/93	10:32 AM		
CODMTW*11	IAF-206.	12/7/93	11:26 AM		
CODMTW*12	IAF-207.	12/7/93	3:10 PM		
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	24.982	3755644
Averages				24.555	2178258
%RSD				1.63	114.28

BENZO(B)FLUORANTHENE					
Sample Name	File Name	Date Of Injection	Time Of Injection	Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM		
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	28.204	40268
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	28.266	90446
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	28.182	186885

STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	28.106	923512
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	28.069	1852927
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	28.077	4720387
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	28.251	9289144
ICV#856841-B*1	IAF-010.	11/25/93	2:28 AM	27.964	188466
CCS#939121-B5*26	IAF-199.	12/7/93	5:03 AM	29.542	4454202
MS#NONE#1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1#NONE#1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPM1#CDDMT#10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPM2#CDDMT#10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----
CDDMT#10	IAF-204.	12/7/93	9:37 AM	29.500	682342
CDDMT#9	IAF-205.	12/7/93	10:32 AM	29.361	317230
CDDMT#11	IAF-206.	12/7/93	11:26 AM	-----	-----
CDDMT#12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS#939121-B5*27	IAF-208.	12/7/93	4:05 PM	28.711	4551742
Averages				28.519	2274796
%RSD				2.11	127.11

Sample Name	File Name	Date Of Injection	Time Of Injection	BENZO(K)FLUORANTHENE	
				Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	29.717	31947
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	29.778	59376
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	29.669	121040
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	29.581	609573
STANDARD939121-E2	IAF-007.	11/24/93	11:44 PM	29.520	1206196
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	29.542	2996083
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	29.722	6128963
ICV#856841-B*1	IAF-010.	11/25/93	2:28 AM	29.386	267571
CCS#939121-B5*26	IAF-199.	12/7/93	5:03 AM	31.106	2885605
MS#NONE#1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1#NONE#1 1:20	IAF-201.	12/7/93	6:53 AM	31.000	3689640
SPM1#CDDMT#10 1:20	IAF-202.	12/7/93	7:48 AM	31.024	2805945
SPM2#CDDMT#10 1:20	IAF-203.	12/7/93	8:42 AM	30.987	2542729
CDDMT#10	IAF-204.	12/7/93	9:37 AM	31.050	879462
CDDMT#9	IAF-205.	12/7/93	10:32 AM	30.864	366063
CDDMT#11	IAF-206.	12/7/93	11:26 AM	29.200	467035
CDDMT#12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS#939121-B5*27	IAF-208.	12/7/93	4:05 PM	30.152	3005561
Averages				30.144	1753925
%RSD				2.38	99.49

Sample Name	File Name	Date Of Injection	Time Of Injection	BENZO(A)PYRENE	
				Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	31.012	44991
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	31.010	80807
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	30.921	176640
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	30.840	884558
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	30.809	1776759
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	30.803	4466869
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	30.993	8854283
ICV#856841-B*1	IAF-010.	11/25/93	2:28 AM	30.654	381097

CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	32.410	4191915
MS*NONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	32.300	285228E
SPH1*CODMTN*10 1:20	IAF-202.	12/7/93	7:48 AM	32.324	2259285
SPH2*CODMTN*10 1:20	IAF-203.	12/7/93	8:42 AM	32.299	2056402
CODMTN*10	IAF-204.	12/7/93	9:37 AM	32.365	738916
CODMTN*9	IAF-205.	12/7/93	10:32 AM	32.166	241468
CODMTN*11	IAF-206.	12/7/93	11:26 AM	30.683	550219
CODMTN*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	31.497	4466166
Averages				31.443	2126416
%RSD				2.29	112.62

Sample Name	File Name	Date Of Injection	Time Of Injection	DIBEN(A,H)ANTH'CENE	
				Ret. Time (Min)	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	33.555	29593
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	33.485	61733
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	33.372	125694
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	33.334	642930
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	33.324	1262067
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	33.291	3173393
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	33.480	6335246
ICV*856641-B*1	IAF-010.	11/25/93	2:28 AM	33.091	186512
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	34.983	3114420
MS*NONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPH1*CODMTN*10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPH2*CODMTN*10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----
CODMTN*10	IAF-204.	12/7/93	9:37 AM	-----	-----
CODMTN*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CODMTN*11	IAF-206.	12/7/93	11:26 AM	31.967	429353
CODMTN*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	34.169	3347472
Averages				33.459	1700765
%RSD				2.17	119.83

Sample Name	File Name	Date Of Injection	Time Of Injection	BENZO(GH1)PERYLENE	
				Ret. Time (Min)	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	34.726	28925
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	34.533	54531
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	34.484	110186
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	34.464	562640
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	34.427	1124426
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	34.393	2848794
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	34.574	5746382
ICV*856641-B*1	IAF-010.	11/25/93	2:28 AM	34.196	446203
CCS*939121-B5*26	IAF-199.	12/7/93	5:03 AM	36.100	2774747
MS*NONE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPH1*CODMTN*10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPH2*CODMTN*10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----

CDDMTW*10	IAF-204.	12/7/93	9:37 AM	35.919	180212
CDDMTW*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CDDMTW*11	IAF-206.	12/7/93	11:26 AM	35.617	66216
CDDMTW*12	IAF-207.	12/7/93	3:10 PM	-----	-----
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	35.400	3035280

Averages				34.903	1414879
%RSD				1.90	127.61

Sample Name	File Name	Date Of Injection	Time Of Injection	INDENO(1,2,3-CD)PYRIN Ret. Time [Min]	Area
CH3CN	IAF-002.	11/24/93	7:11 PM	-----	-----
STANDARD939121-D5	IAF-003.	11/24/93	8:05 PM	35.585	30059
STANDARD939121-C	IAF-004.	11/24/93	9:00 PM	35.339	68825
STANDARD939121-C2	IAF-005.	11/24/93	9:55 PM	35.344	122943
STANDARD939121-B	IAF-006.	11/24/93	10:50 PM	35.325	615879
STANDARD939121-B2	IAF-007.	11/24/93	11:44 PM	35.301	1222584
STANDARD939121-B5	IAF-008.	11/25/93	12:39 AM	35.235	3073442
STANDARD939121-A	IAF-009.	11/25/93	1:34 AM	35.419	6202414
ICV*856841-E*1	IAF-010.	11/25/93	2:28 AM	35.046	199481
CCS*939121-E5*26	IAF-199.	12/7/93	5:03 AM	37.017	2809459
MB*NCNE*1	IAF-200.	12/7/93	5:58 AM	-----	-----
SP1*NONE*1 1:20	IAF-201.	12/7/93	6:53 AM	-----	-----
SPM1*CDDMTW*10 1:20	IAF-202.	12/7/93	7:48 AM	-----	-----
SPM2*CDDMTW*10 1:20	IAF-203.	12/7/93	8:42 AM	-----	-----
CDDMTW*10	IAF-204.	12/7/93	9:37 AM	36.990	363273
CDDMTW*9	IAF-205.	12/7/93	10:32 AM	-----	-----
CDDMTW*11	IAF-206.	12/7/93	11:26 AM	37.017	325442
CDDMTW*12	IAF-207.	12/7/93	3:10 PM	37.294	53535
CCS*939121-B5*27	IAF-208.	12/7/93	4:05 PM	36.329	3063106
Averages				35.942	1396189
%RSD				2.36	134.04

ACQ01 File Created Successfully - Stored In: C:\2700\DATA3\84473111.prm

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Sample Name	: CH3CN	Time	: 12/5/93 1:20 PM
Sample Number	: 2	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 7:11 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-002.raw
Result File : D:\TEMP\~ERS0F5B.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.prc
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

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ANALYSIS REPORT

Missing Component Report

Chromatogram

48 296

FileName : C:\2700\DATA1\1AF-002.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:20 PM

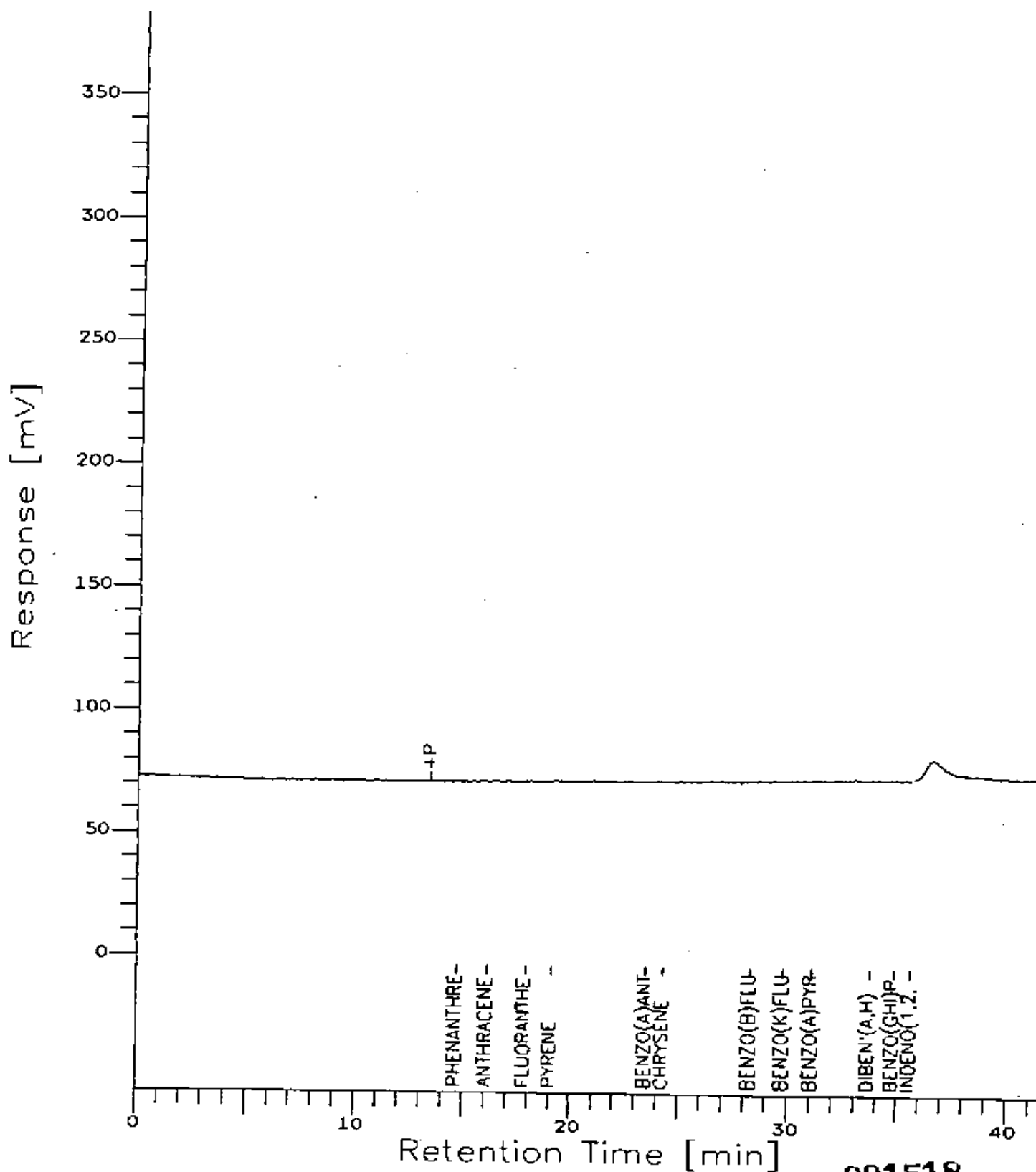
Page 1 of

Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 357.00 mV



001518

```

=====
Sample Name   : STANDARD939121-D5      Time       : 12/5/93  1:20 PM
Sample Number : 3                      Study      :
Operator      :

```

```

Interface #   : 1          Channel : B      A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 11/24/93  8:05 PM
Delay Time       : 0.00   min.
End Time         : 42.00   min.
Sampling Rate    : 1.0000   pts/sec

```

```

Raw Data File   : C:\2700\DATA1\1AF-003.raw
Result File     : D:\TEMP\TERS1475.rst
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHFL.prc
Sample File     : C:\2700\DATA\PAHFL.smp
Sequence File   : C:\2700\DATA\default.seq

```

```

Inj. Volume     : 1          ul      Area Reject      : 20000.00
Sample Amount   : 1.0000

```

```

=====
ANALYSIS REPORT

```

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	25374	1877.53	MM
2	ANTHRACENE	16.1	35683	2357.05	MM
3	FLUORANTHENE	18.0	39874	2722.76	MM
4	PYRENE	19.2	21342	1346.47	MM
5	BENZO(A)ANTHRACENE	23.6	42908	2563.02	MM
6	CHRYSENE	24.5	36737	2205.79	MM
7	BENZO(B)FLUORANTHENE	28.2	40268	2619.69	MM
8	BENZO(K)FLUORANTHENE	29.7	31947	1702.65	MM
9	BENZO(A)PYRENE	31.0	44991	2290.09	MM
10	DIBEN'(A,H)ANTH'CENE	33.6	29593	1780.16	MM
11	BENZO(GHI)PERYLENE	34.7	28925	1530.86	MM
12	INDENO(1,2,3-CD)PYRN	35.6	30059	1498.42	MM

```

-----
407699  24494.48

```

Chromatogram

48 298

FileName : C:\2700\DATA1\IAF-003.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:20 PM

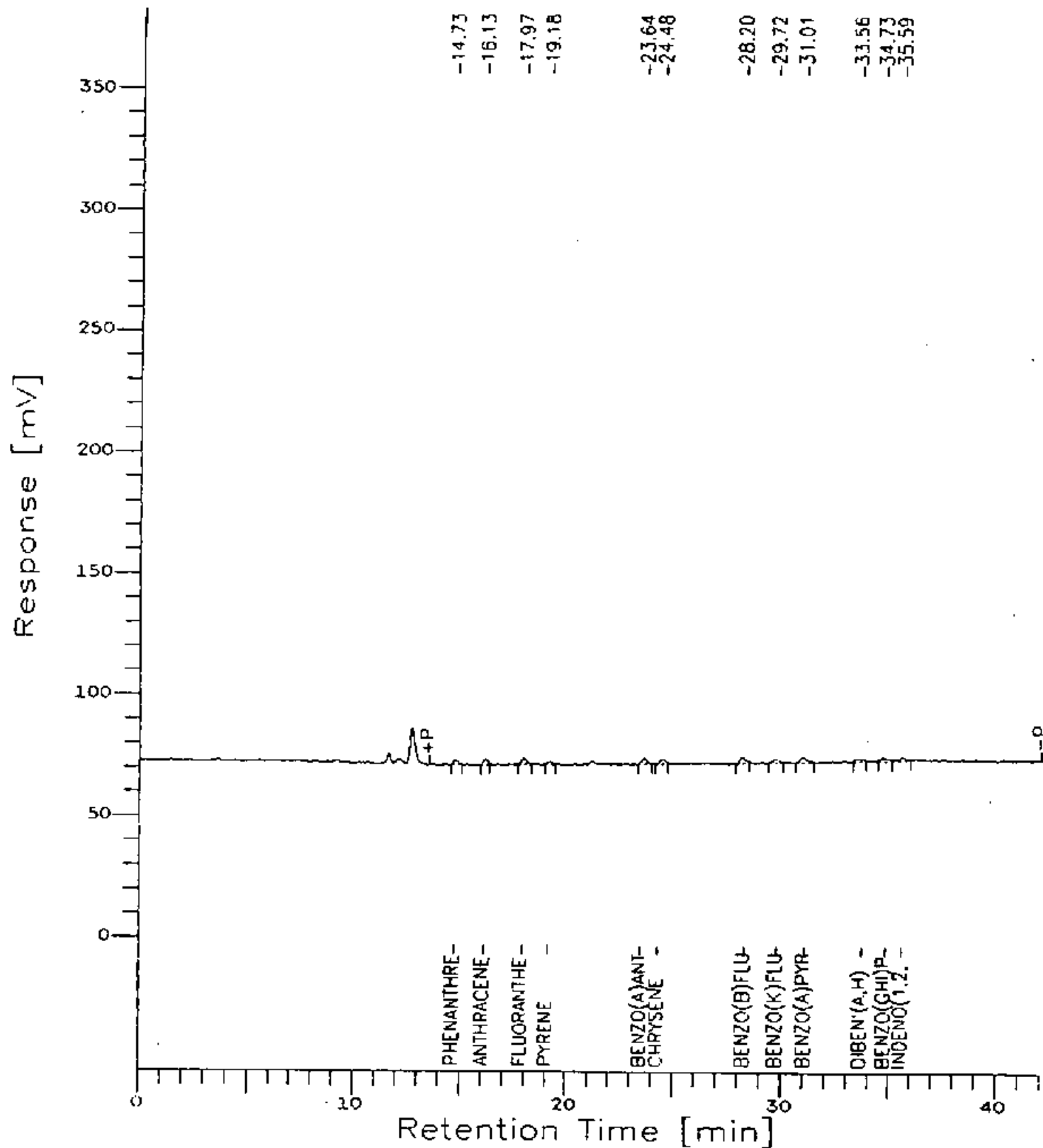
Page 1 of 1

Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV



001520

=====

Sample Name	: STANDARD939121-C	Time	: 12/5/93 1:20 PM
Sample Number	: 4	Study	:
Operator	:		

Interface # : 1 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:00 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-004.raw
Result File : D:\TEMP\TERS3DOF.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.pro
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	55795	3829.76	MM
2	ANTHRACENE	16.1	62498	4129.59	MM
3	FLUORANTHENE	17.9	86415	5413.94	MM
4	PYRENE	19.2	43535	2491.91	MM
5	BENZO(A)ANTHRACENE	23.7	81164	4657.48	MM
6	CHRYSENE	24.5	73275	3908.54	MM
7	BENZO(B)FLUORANTHENE	28.3	90446	4517.99	MM
8	BENZO(K)FLUORANTHENE	29.8	59376	3066.09	MM
9	BENZO(A)PYRENE	31.0	80807	4049.35	MM
10	DIBEN*(A,H)ANTH'CENE	33.5	61733	2697.55	MM
11	BENZO(GHI)PERYLENE	34.5	54531	2584.98	MM
12	INDENO(1,2,3-CD)PYRN	35.3	68825	2479.65	MM
				818400	43826.82

Chromatogram

48 300

FileName : C:\2700\DATA1\IAF-004.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:20 PM

Page 1 of 1

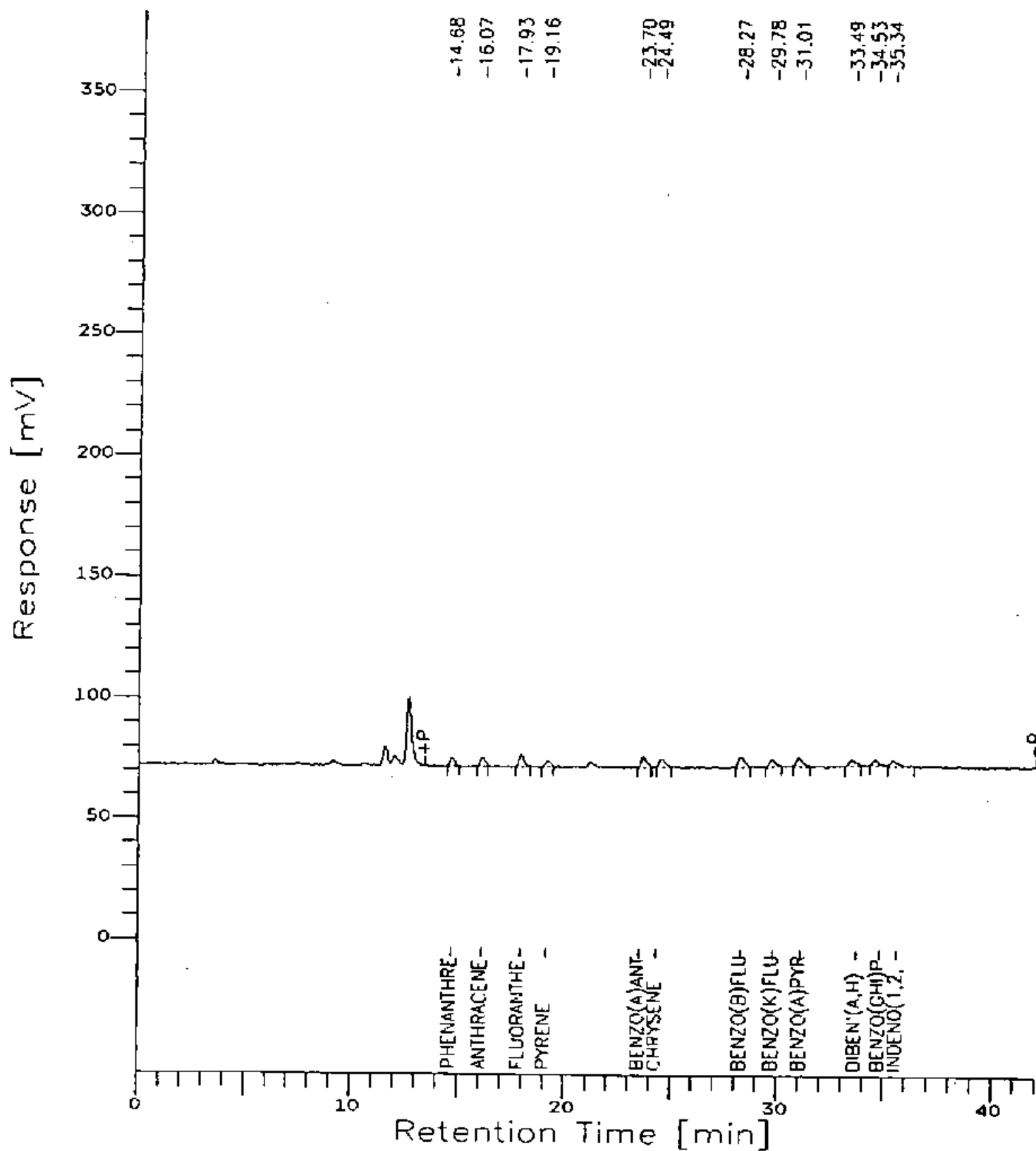
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV

Plot Scale: 360 mV



001522

=====

Sample Name	: STANDARD939121-C2	Time	: 12/5/93 1:21 PM
Sample Number	: 5	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 9:55 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-005.raw
Result File : D:\TEMP\TERS0445.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.prc
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	111832	7235.98	MM
2	ANTHRACENE	16.2	128306	8078.58	MM
3	FLUORANTHENE	18.0	171229	10843.32	MM
4	PYRENE	19.1	84971	5104.32	MM
5		21.2	55469	4254.50	BB
6	BENZO(A)ANTHRACENE	23.6	162906	9107.66	MM
7	CHRYSENE	24.4	156476	7651.22	MM
8	BENZO(B)FLUORANTHENE	28.2	186885	9286.16	MM
9	BENZO(K)FLUORANTHENE	29.7	121040	6213.74	MM
10	BENZO(A)PYRENE	30.9	176640	7915.40	MM
11	DIBEN*(A,H)ANTH*CENE	33.4	125694	5615.28	MM
12	BENZO(GHI)PERYLENE	34.5	110186	5258.60	MM
13	INDENO(1,2,3-CD)PYRN	35.3	122943	4718.20	MM

1714575 91282.95

Chromatogram

48 302

FileName : C:\2700\DATA1\IAF-005.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:21 PM

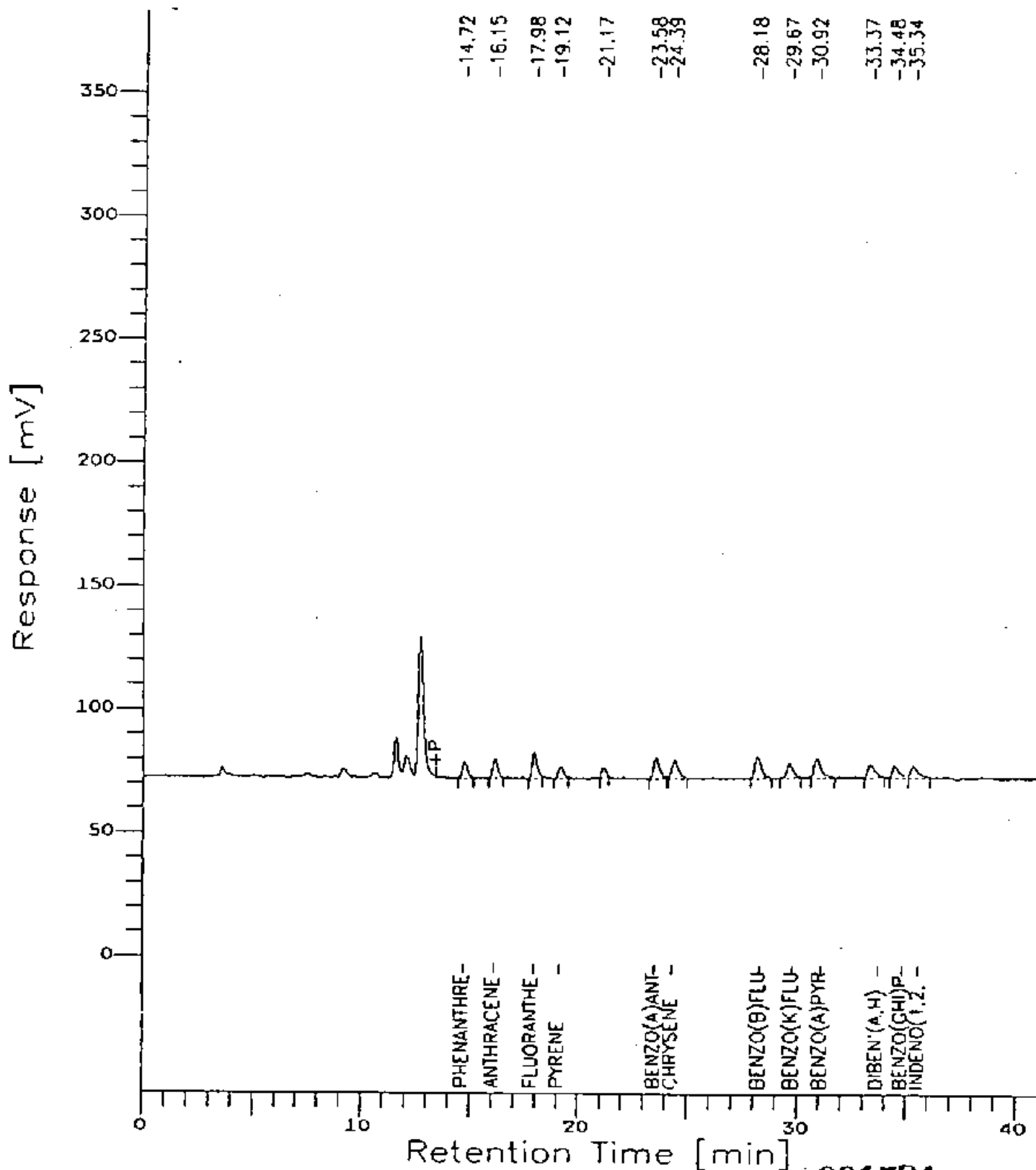
Page 1 of 1

Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 357.00 mV



001524

=====

Sample Name	: STANDARD939121-B	Time	: 12/5/93 1:21 PM
Sample Number	: 6	Study	:
Operator	:		

Interface # : 1 Channel : 8 A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 10:50 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-006.raw
Result File : D:\TEMP\TERS201F.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.prc
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

=====

ANALYSIS REPORT					
Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	555461	35675.47	MM
2	ANTHRACENE	16.1	641284	40823.82	MM
3	FLUORANTHENE	18.0	876172	53730.61	BB
4	PYRENE	19.1	421648	24930.07	MM
5		21.2	392154	23490.05	BB
6	BENZO(A)ANTHRACENE	23.6	823342	44295.02	MM
7	CHRYSENE	24.4	750200	38377.55	MM
8	BENZO(B)FLUORANTHENE	28.1	923512	46757.06	MM
9	BENZO(K)FLUORANTHENE	29.6	609573	29026.84	MM
10	BENZO(A)PYRENE	30.8	884558	40355.11	MM
11	DIBEN(A,H)ANTH'CENE	33.3	642930	27505.47	MM
12	BENZO(GHI)PERYLENE	34.5	562640	25037.85	MM
13	INDENO(1,2,3-CD)PYRN	35.3	615879	23785.84	MM

8699354 453790.75

Chromatogram

48 304

FileName : C:\Z700\DATA\1\AF-006.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:21 PM

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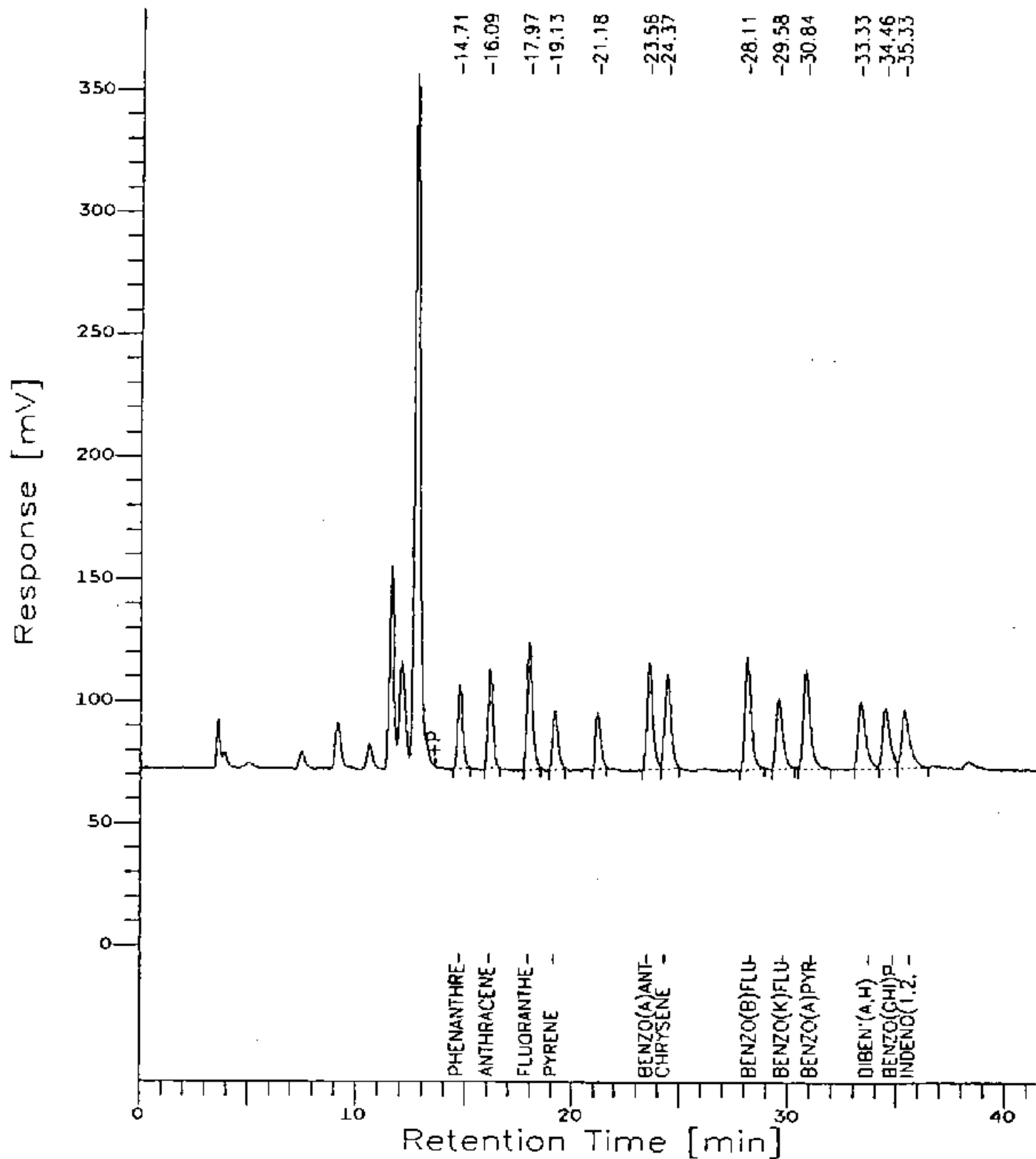
Scale Factor: 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV

Plot Scale: 360 mV



001526

=====

Sample Name	: STANDARD939121-B2	Time	: 12/5/93 1:21 PM
Sample Number	: 7	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/24/93 11:44 PM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-007.raw
Result File : D:\TEMP\TERS380B.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.pro
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	1090194	70729.13	BB
2	ANTHRACENE	16.1	1276506	80748.17	BB
3	FLUORANTHENE	18.0	1717352	107349.85	BB
4	PYRENE	19.1	848220	49125.15	MM
5		21.2	805467	47236.28	BB
6	BENZO(A)ANTHRACENE	23.5	1627178	88146.95	MM
7	CHRYSENE	24.3	1518686	77369.34	MM
8	BENZO(B)FLUORANTHENE	28.1	1852927	92740.94	MM
9	BENZO(K)FLUORANTHENE	29.5	1206196	57806.08	MM
10	BENZO(A)PYRENE	30.8	1776759	80716.72	MM
11	DIBEN*(A,H)ANTH*CENE	33.3	1262067	53743.70	MM
12	BENZO(GHI)PERYLENE	34.4	1124426	49694.05	MM
13	INDENO(1,2,3-CD)PYRN	35.3	1222584	47655.29	MM
14		38.3	69862	3932.47	BB

17398422 906994.13

Chromatogram

48 306

Filename : C:\2700\DATA\1AF-007.raw

Date : 12/5/93 1:22 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

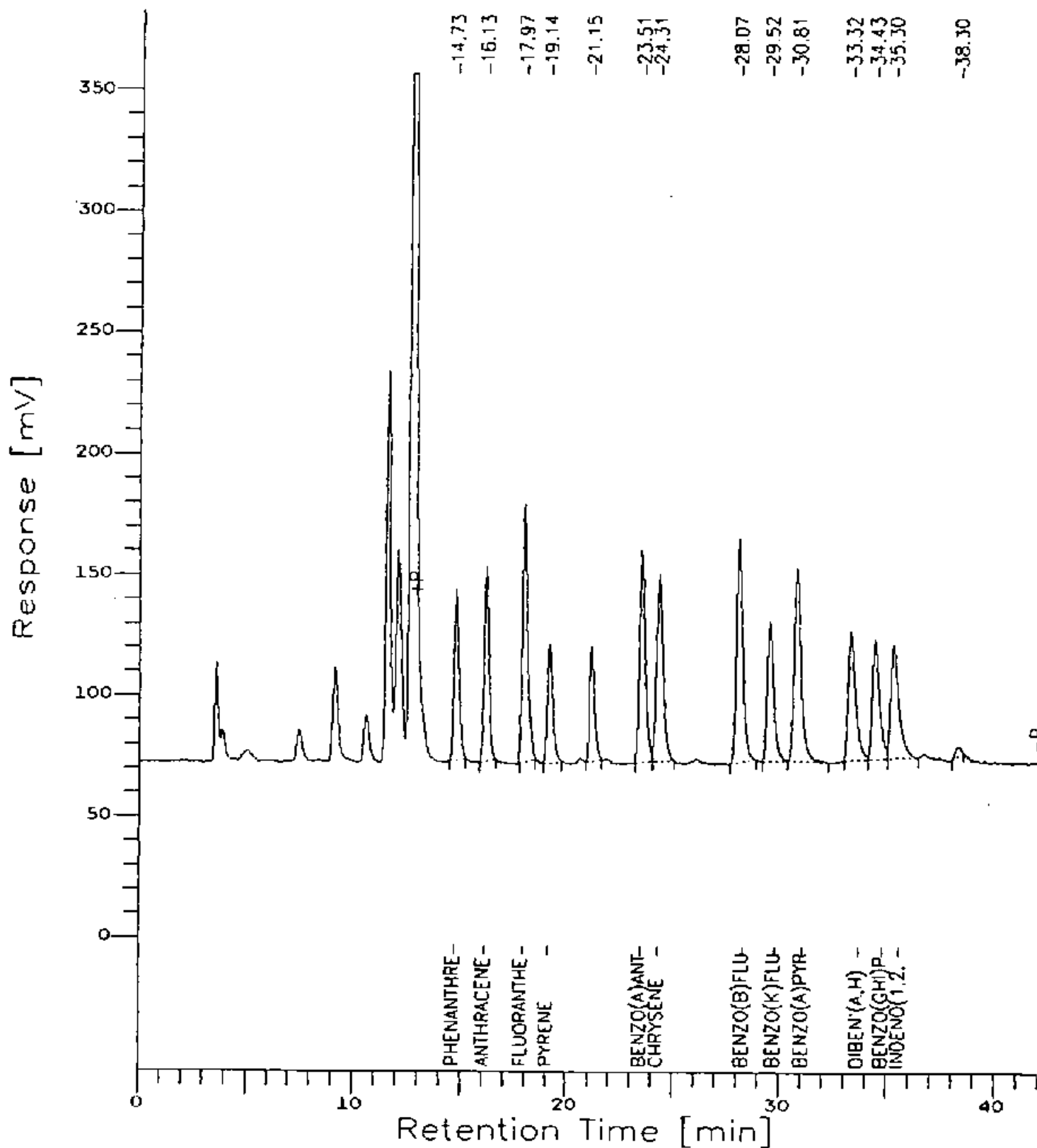
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale : 360 mV



001528

=====

Sample Name	: STANDARD939121-B5	Time	: 12/5/93 1:22 PM
Sample Number	: 8	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
AutoSampler : None attached
Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 12:39 AM
Delay Time : 0.00 min.
End Time : 42.00 min.
Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-008.raw
Result File : D:\TEMP\ERS025A.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File : C:\2700\DATA\PAHFL.prc
Sample File : C:\2700\DATA\PAHFL.smp
Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	2755652	178265.02	MM
2	ANTHRACENE	16.1	3194948	198591.78	MM
3	FLUORANTHENE	17.9	4367172	266997.56	MM
4	PYRENE	19.1	2140803	123930.73	MM
5		20.6	69121	4722.52	BB
6		21.1	2031061	117547.08	BB
7	BENZO(A)ANTHRACENE	23.5	4062814	218666.17	MM
8	CHRYSENE	24.3	3828887	193465.05	MM
9	BENZO(B)FLUORANTHENE	28.1	4720387	233231.02	MM
10	BENZO(K)FLUORANTHENE	29.5	2996083	143790.39	MM
11	BENZO(A)PYRENE	30.8	4466869	205961.75	MM
12	DIBEN(A,H)ANTH'CENE	33.3	3173393	140177.22	MM
13	BENZO(GHI)PERYLENE	34.4	2848794	134310.31	MM
14	INDENO(1,2,3-CD)PYRN	35.2	3073442	126061.70	MM
15		38.2	220382	11192.00	BB

43949804 2.29e6

Chromatogram

FileName : C:\2700\DATA\1AF-008.raw

Date : 12/5/93 1:22 PM

Page 1 of

Start Time : 0.00 min

End Time : 42.00 min

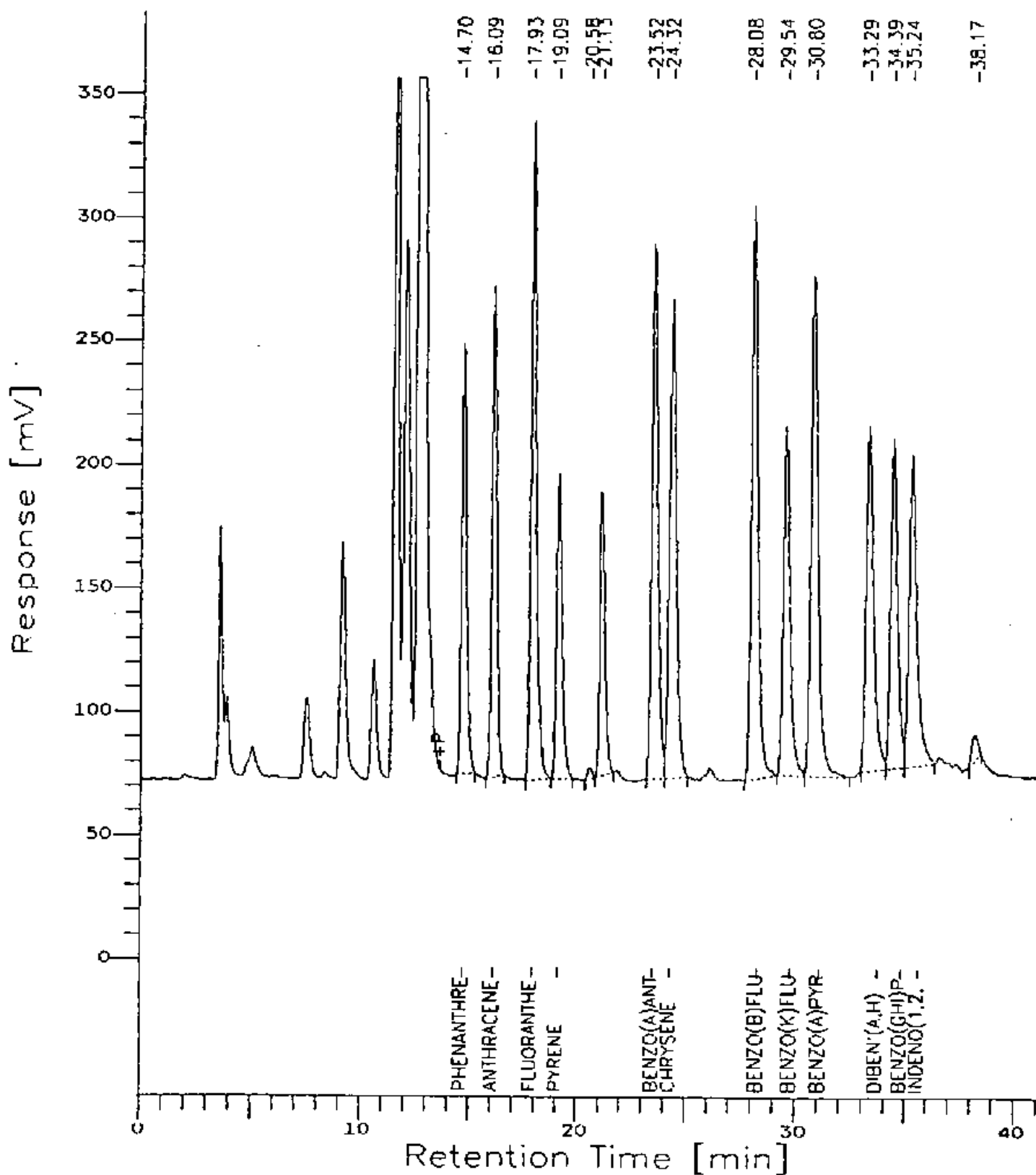
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001530

=====

Sample Name	: STANDARD939121-A	Time	: 12/5/93 1:30 PM
Sample Number	: 9	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 1:34 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-009.raw
 Result File : D:\TEMP\TERS070E.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.prc
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	5496991	348991.25	BB
2	ANTHRACENE	16.1	6387892	401469.47	BB
3	FLUORANTHENE	18.0	8663348	515066.84	BB
4	PYRENE	19.2	4234393	245220.22	BB
5		20.7	131421	9140.50	BB
6		21.2	3943818	230473.56	BB
7	BENZO(A)ANTHRACENE	23.7	8116435	433309.16	BB
8	CHRYSENE	24.5	7585373	380651.81	BB
9		26.3	114295	8444.17	BB
10	BENZO(B)FLUORANTHENE	28.3	9289144	460977.09	MM
11	BENZO(K)FLUORANTHENE	29.7	6128963	287315.78	MM
12	BENZO(A)PYRENE	31.0	8854283	412246.53	MM
13	DIBEN'(A,H)ANTH'CENE	33.5	6335246	284596.72	MM
14	BENZO(GHI)PERYLENE	34.6	5746382	278393.19	MM
15	INDEND(1,2,3-CD)PYRN	35.4	6202414	259744.45	MM
16		36.8	87647	6492.92	BB
17		38.4	705711	28795.23	BB
			88023760	4.59e6	

=====

Chromatogram

48 310

FileName : C:\2700\DATA1\1AF-009.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/5/93 1:30 PM

Page 1 of 1

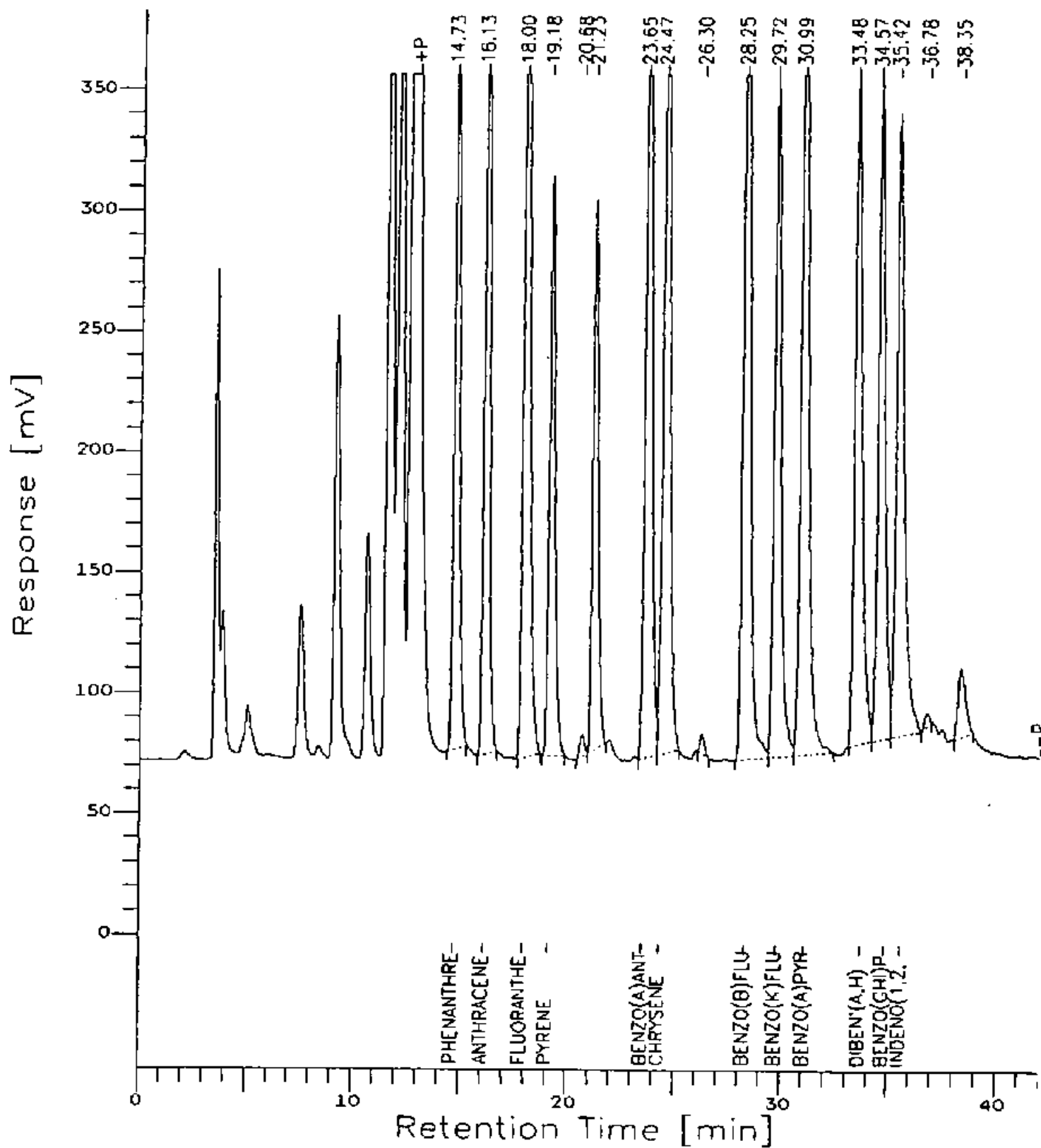
Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 357.00 mV

Plot Scale: 360 mV



001532

=====

Sample Name	: ICV*856841-B*1	Time	: 12/5/93 1:30 PM
Sample Number	: 10	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 11/25/93 2:28 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\IAF-010.raw
 Result File : D:\TEMP\ERS2F38.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.prc
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uV-sec]	Height [uV]	BL
1	PHENANTHRENE	14.7	316468	20470.78	MM
2	ANTHRACENE	16.1	274640	18383.26	MM
3	FLUORANTHENE	17.9	251135	17156.49	MM
4	PYRENE	19.1	350233	21946.62	BB
5		21.1	267113	15719.17	BB
6	BENZO(A)ANTHRACENE	23.4	212807	11737.41	MM
7	CHRYSENE	24.2	349961	18009.05	MM
8	BENZO(B)FLUORANTHENE	28.0	188466	10168.45	MM
9	BENZO(K)FLUORANTHENE	29.4	267571	13275.58	MM
10	BENZO(A)PYRENE	30.7	381097	18524.57	MM
11	DIBEN'(A,H)ANTH'CENE	33.1	186512	8499.87	MM
12	BENZO(GHI)PERYLENE	34.2	446203	22215.51	MM
13	INDENO(1,2,3-CD)PYRN	35.1	199481	7520.25	MM

3691687 203626.98

Chromatogram

FileName : C:\2700\DATA1\1AF-D10.raw

Date : 12/5/93 1:30 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

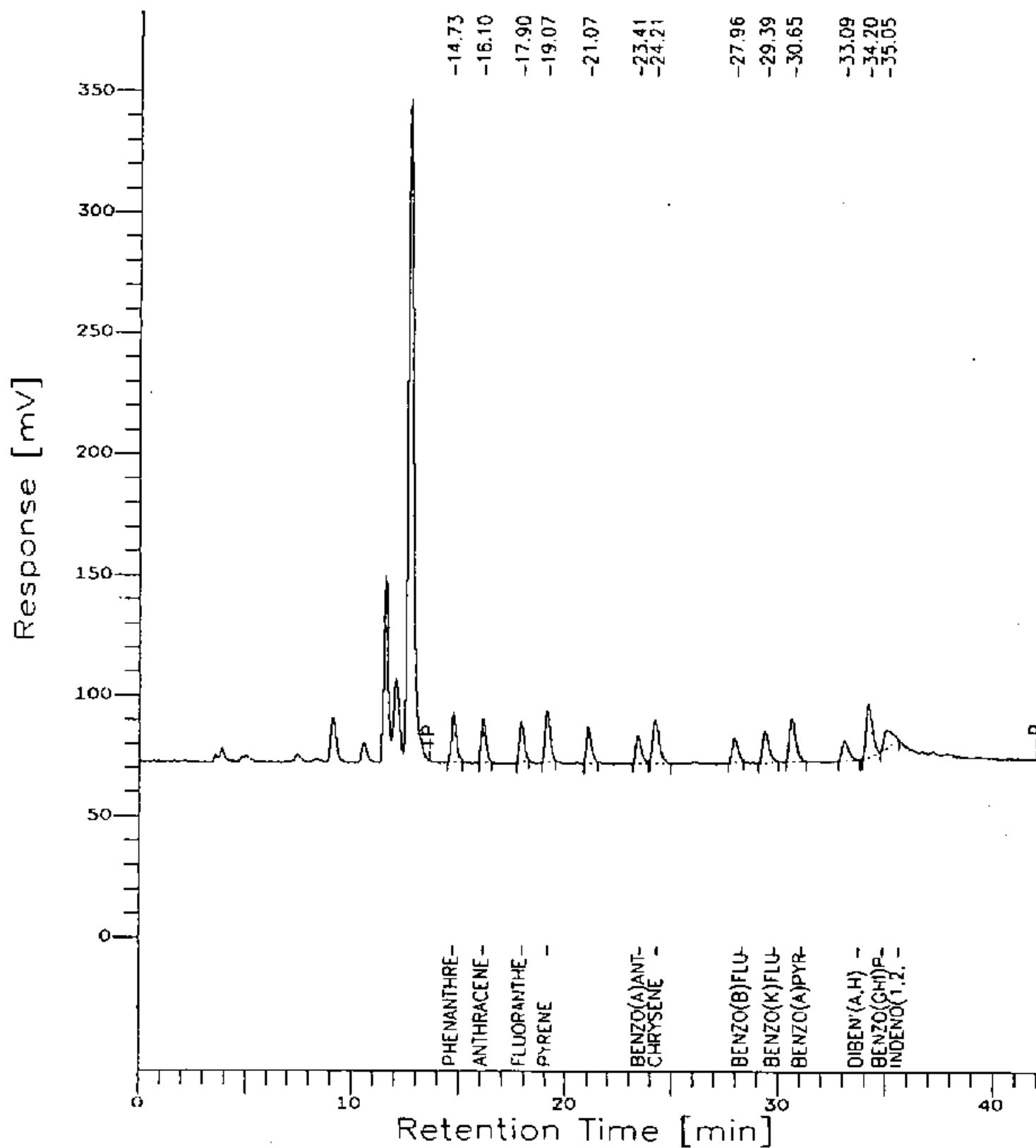
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale : 360 mV



001534

=====

Sample Name : CCS*939121-B5*26 Time : 12/14/93 6:35 PM
 Sample Number: 199 Study :
 Operator :

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 5:03 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\JAF-199.raw
 Result File : C:\TEMP\TERS112A.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1.00 Area Rejected : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time (min)	Area (uV-sec)	Height (uV)	SL
1		13.6	20328170	904018.13	BE
2	FLUORANTHRENE	15.8	2649476	130067.27	MM
3	ANTHRACENE	17.2	3049425	145082.86	MM
4	FLUORANTHRENE	19.0	4129724	182491.84	MM
5	PYRENE	20.2	2080065	87218.26	MM
6		21.7	55100	3156.95	BV
7		22.2	1879357	79294.35	VB
8	BENZO(A)ANTHRACENE	24.7	3849964	149755.25	MM
9	CHRYSENE	25.5	5727343	133161.67	MM
10	BENZO(B)FLUORANTHRENE	29.5	4454202	157707.94	MM
11	BENZO(K)FLUORANTHRENE	31.1	2885605	102757.01	MM
12	BENZO(A)PYRENE	32.4	4191915	149747.97	MM
13	DIBEN(A,H)ANTHRENE	35.0	3114420	114225.65	BV
14	BENZO(GH)PERYLENE	36.1	2774747	102368.16	VV
15	INDENO(1,2,3-CD)PYRENE	37.0	2809459	100123.29	VB
16		40.5	252201	9605.65	BE
			62231172	2.55e6	

Chromatogram

FileName : C:\7700\DATA\11A\1199.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:35 PM

Page 1 of

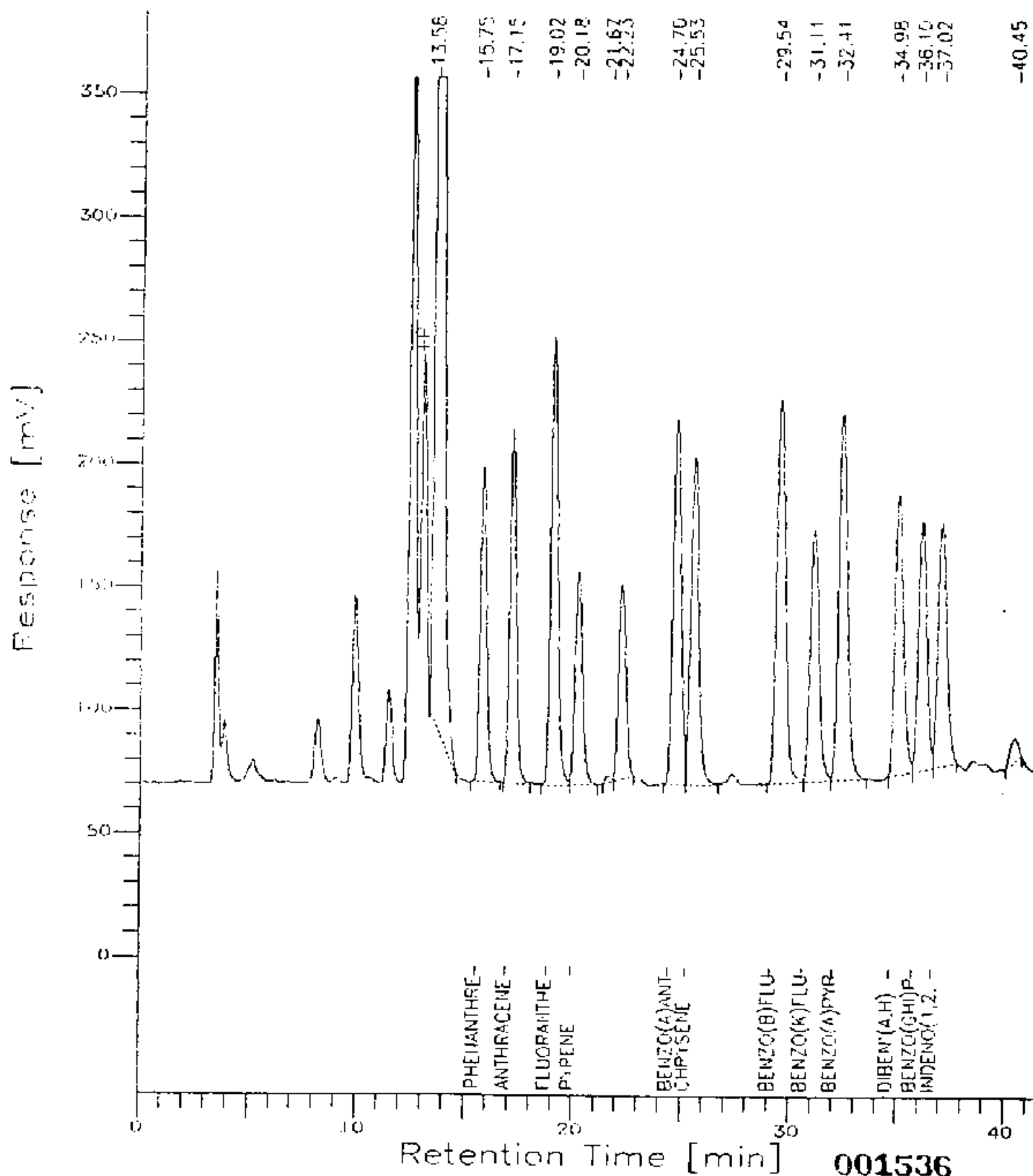
Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 357.00 mV

Plot Scale: 360 mV



=====

Sample Name	: M3E40N011	Time	: 12/14/93 6:36 PM
Sample Number	: 200	Study	:
Operator	:		

Inlet/Loop # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None Attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 5:58 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pbs/sec

Raw Data File : C:\2700\DATA\IAF-200.raw
 Result File : D:\TEMP\TERS0A68.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : 1 ul Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1		22.7	1634242	68171.95	00
			1634242	68171.95	

Chromatogram

FileName: C:\2700\DATA1\10F-200.raw

Date: 12/14/93 6:36 PM

Page 1 of 1

Start Time: 0.00 min

End Time: 42.00 min

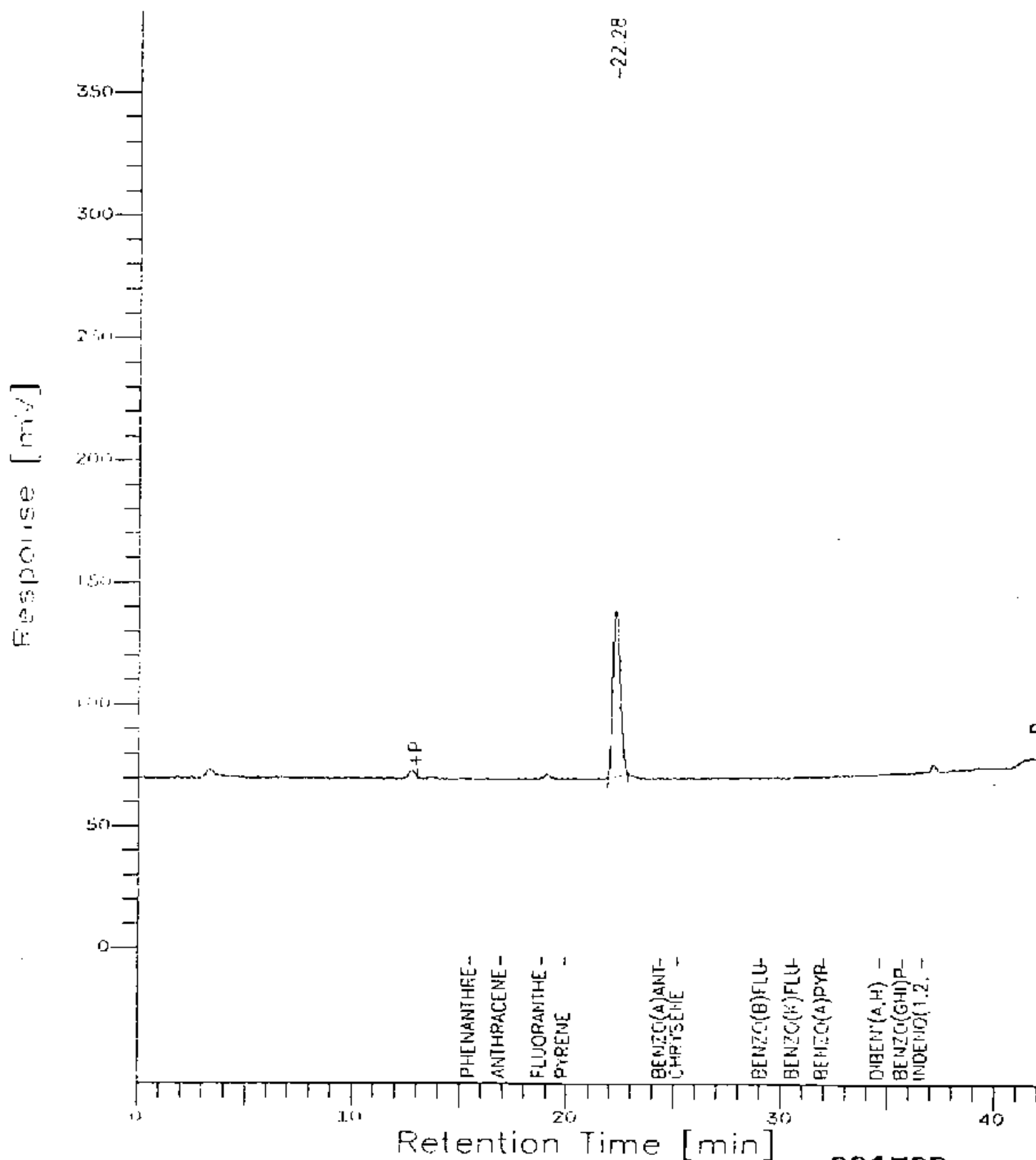
Low Point: -3.00 mV

High Point: 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001538

```

=====
Sample Name   : SP1*NONE*J 1:20           Time       : 12/14/93  6:37 PM
Sample Number : 201                       Study      :
Operator      :

```

```

Interface #   : 1           Channel : B           A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```

Data Acquisition Time: 12/7/93  6:53 AM
Delay Time       : 0.00 min.
End Time         : 42.00 min.
Sampling Rate    : 1.0000 pts/sec

```

```

Raw Data File   : C:\2700\DATA\1AF-201.raw
Result File     : C:\TEMP\TERS1164.rst
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHFLL.prc
Sample File     : C:\2700\DATA\PAHFI.smp
Sequence File   : C:\2700\DATA\default.seq

```

```

Inj. Volume    : 1           ul           Area Reject : 20000.00
Sample Amount  : 1.0000

```

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time (min)	Area (uV-sec)	Height (uV)	BL
1		15.7	439096	22007.74	BB
2	PERFLUOROTERENE	15.8	1092449	54241.14	BB
3	ANTHRACENE	17.2	771692	37251.00	BB
4		27.4	81193	4199.13	BB
5	BENZOK(1,2,3-CD)FLUORANTHENE	31.0	3689640	127773.34	BV
6	BENZOK(1,2,3-CD)PYRENE	32.3	2052288	99724.05	VB
			8926656	345176.28	

Chromatogram

FileName : C:\2700\DATA\1AF-201.raw

Date : 12/14/93 6:37 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

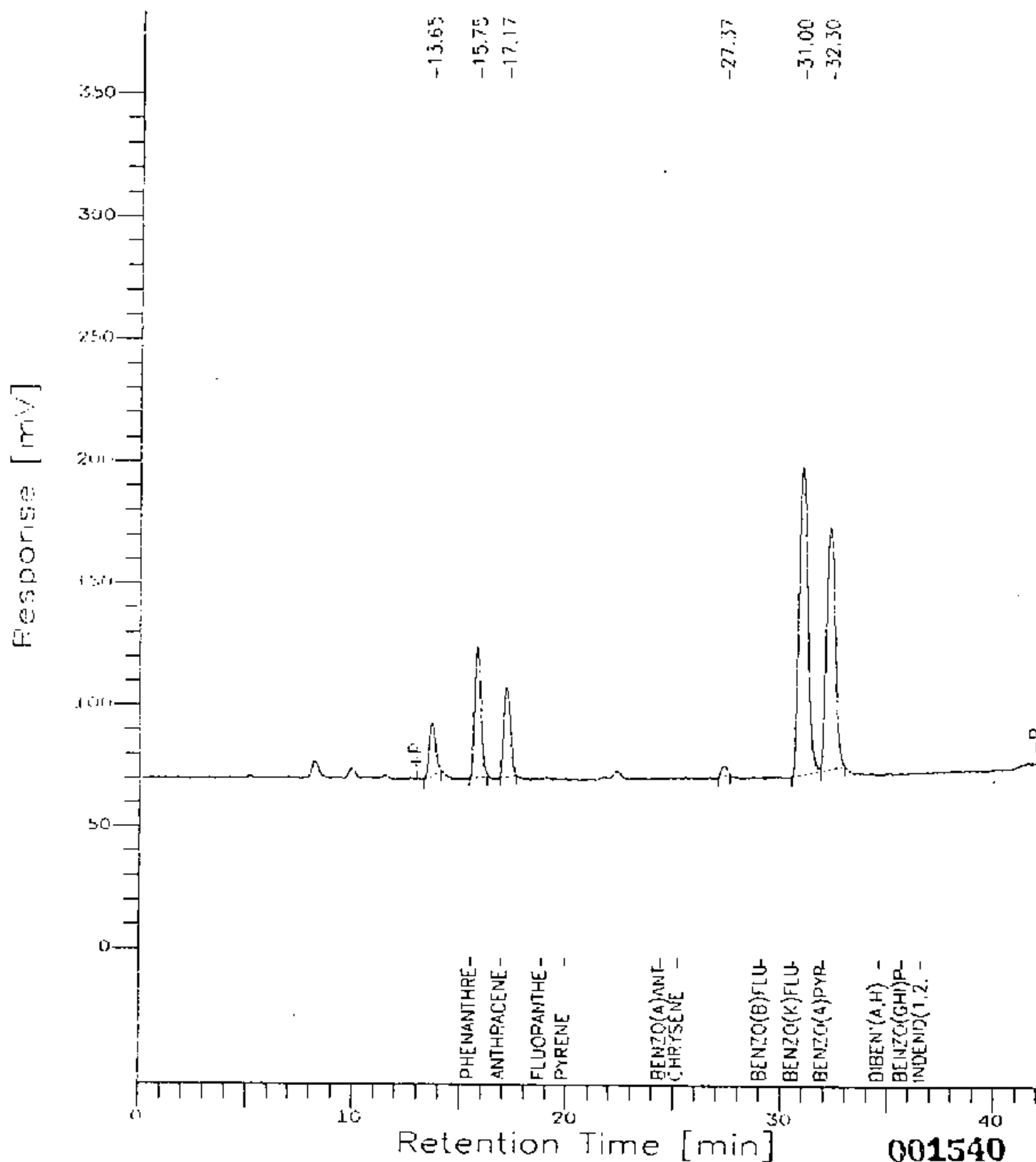
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale : 360 mV



001540

```
=====
Sample Name   : SPH0*CD00TW*10 1:20      Time       : 12/14/93  6:38 PM
Sample Number : 202                      Study      :
Operator      :
```

```
Interface II  : 1          Channel : B      A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0
```

```
Data Acquisition Time: 12/7/93  7:48 AM
Delay Time     : 0.00 min.
End Time       : 42.00 min.
Sampling Rate  : 1.0000 pts/sec
```

```
Raw Data File  : C:\2700\DATA1\1AF-202.raw
Result File    : D:\TEMP\TERS2801.rst
Instrument File: C:\2700\DATA\PAHUV.ins
Process File   : C:\2700\DATA\PAHFL.pro
Sample File    : C:\2700\DATA\PAHFL.smp
Sequence File  : C:\2700\DATA\do1a01t.seq
```

```
Intl. Volume   : 0          ul      Area Reject   : 20000.00
Sample Amount  : 0.0000
```

```
=====
```

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	chl
1		13.7	520655	23621.89	BB
2	1,1-DIBENZO-1,2,3,4-TETRAHYDRO-6,7,8,9-TETRAHYDRO-5H-BENZO[5,6-B]PYRROLO[2,1-A]PYRROLE	15.8	1143579	55606.36	BB
3	ANTHRACENE	17.2	801201	38470.96	BB
4		19.1	68153	4248.56	BB
5	BENZOFURAN-2,3-DIOL	31.0	2805945	94321.86	NI4
6	BENZOFURAN-2,3-DIOL	32.3	2259285	75768.20	NI4
760881.8 292037.81					

Chromatogram

Filename : C:\2700\DATA\1AT-202.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:39 PM

Page 1 of 1

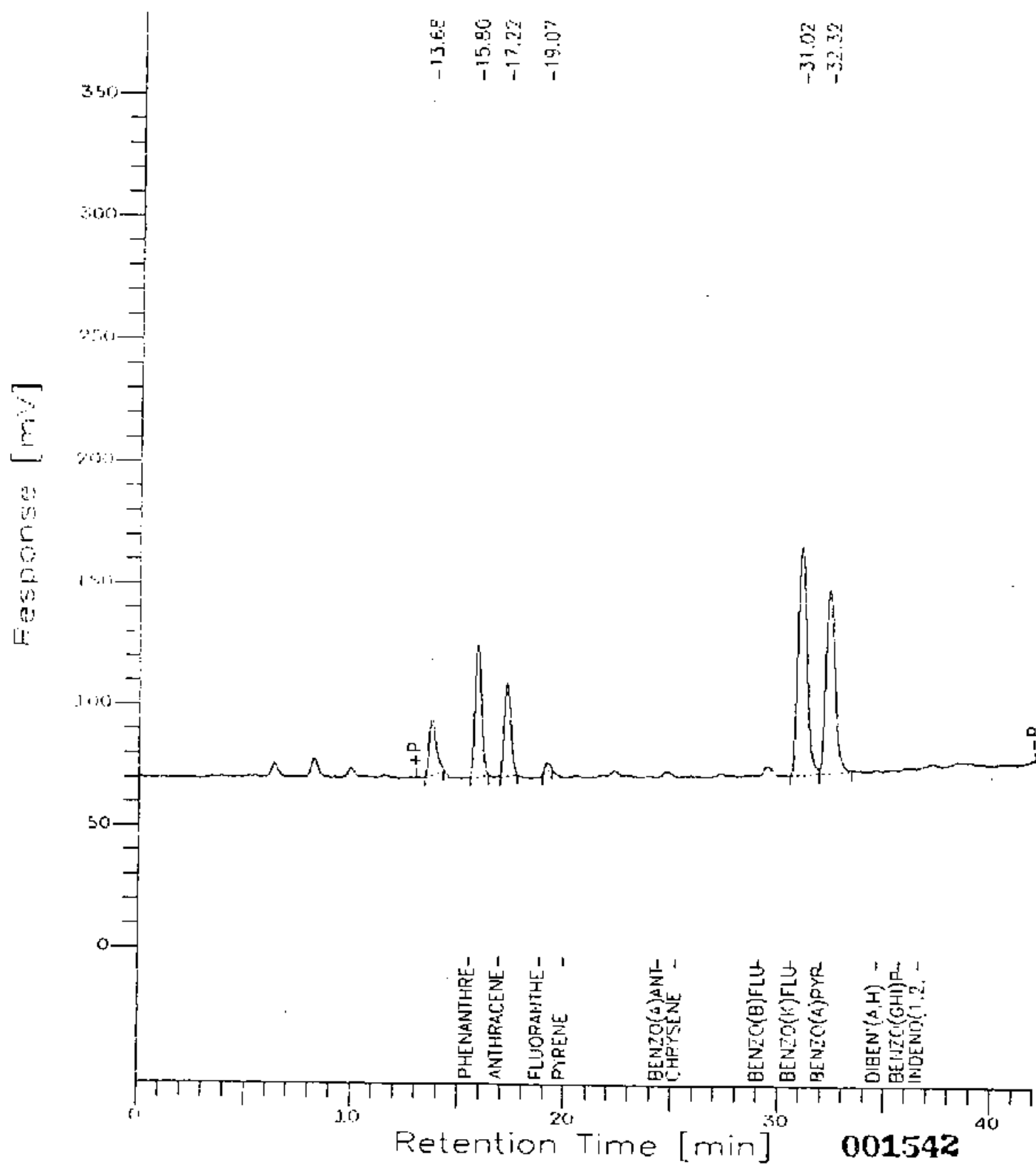
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV

Plot Scale : 360 mV



001542

=====

Sample Name : SPM2*CDDMFW*10 1:20 Time : 12/14/93 6:40 PM
 Sample Number: 203 Study :
 Operator :

Interface : J Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 8:42 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\IAP-203.raw
 Result File : C:\TEMP\TER50E45.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Inj. Volume : J ul Area Report : 2000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	BL
1		13.7	464394	21232.66	BB
2	PHENANTHRENE	15.8	1087452	52227.23	BB
3	ANTHRACENE	17.2	748702	35861.63	BB
4		19.0	128556	6331.60	BB
5		29.4	66213	3465.15	BB
6	BENZOKETOLURANTHERENE	32.0	2542729	87737.68	MM
7	BENZOLOPYRENE	32.3	2056402	70863.20	MM

7092447 277969.53

Chromatogram

File Name: C:\2700\DATA\1AF-203.raw

Date: 12/14/93 6:40 PM

Page 1 of 1

Start Time: 0.00 min

End Time: 42.00 min

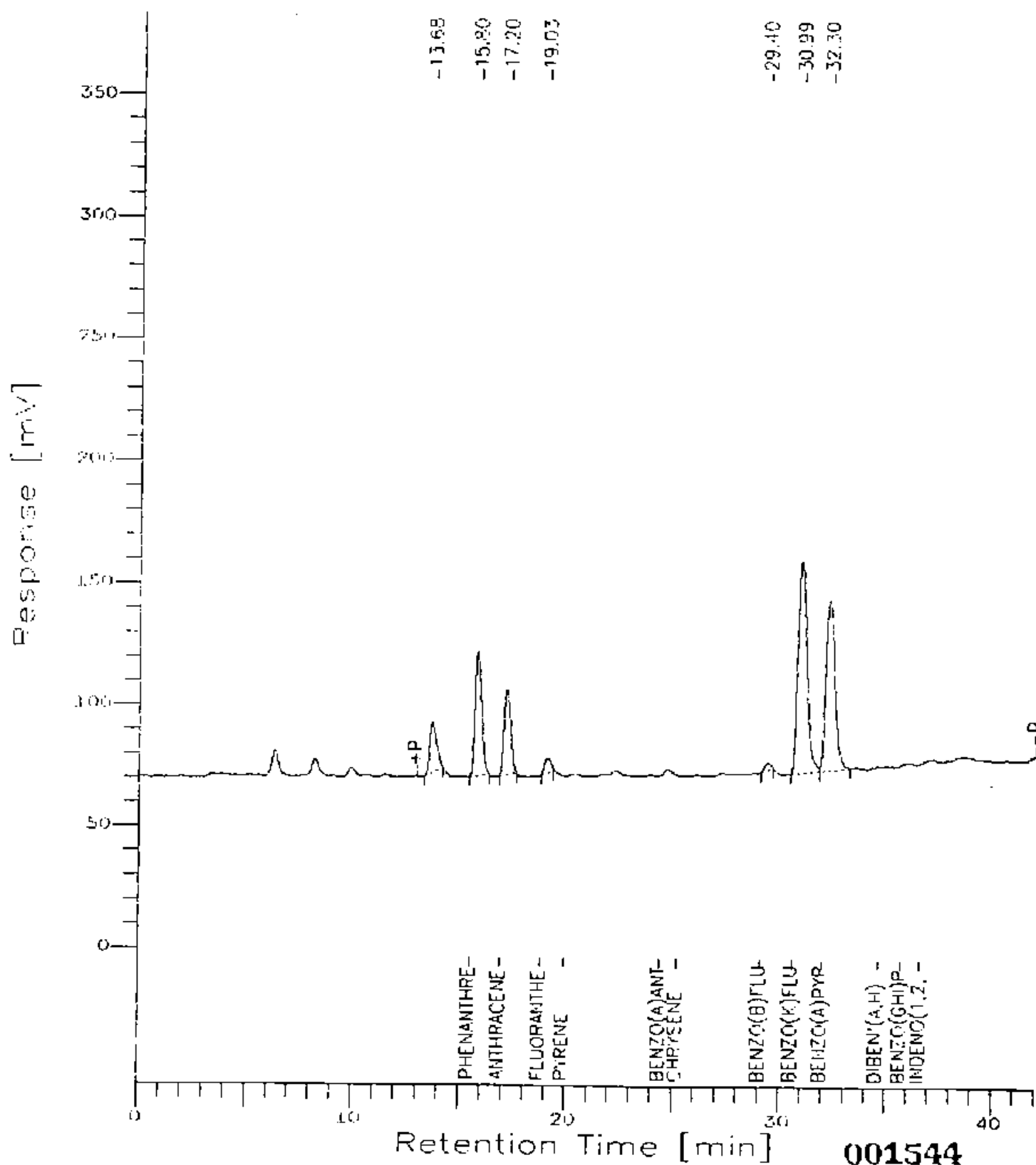
Low Point: -3.00 mV

High Point: 357.00 mV

Scale Factor: 0

Plot Offset: -3 mV

Plot Scale: 360 mV



001544

```
=====
Sample Name   : CDDMTW*10          Time       : 12/14/93  6:42 PM
Sample Number : 204                Study      :
Operator      :

```

```
Interface #   : 1          Channel : B          A/D mV Range : 1000
AutoSampler   : None attached
Rack/Vial     : 0/0

```

```
Data Acquisition Time: 12/7/93  9:37 AM
Delay Time     : 0.00 min.
End Time       : 42.00 min.
Sampling Rate  : 1.0000 pts/sec

```

```
Raw Data File  : C:\2700\DATA\1AF-204.raw
Result File    : D:\TEMP\TERS1628.rst
Instrument File: C:\2700\DATA\PAHFV.ins
Process File   : C:\2700\DATA\PAHFL.pro
Sample File    : C:\2700\DATA\PAHFL.smp
Sequence File  : C:\2700\DATA\delandc.seq

```

```
Inj. Volume    : 1          RI      Area Rejected : 20000.00
Sample Amount  : 1.0000

```

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	SL
1	FLUORANTHENE	19.1	1278826	47541.00	BB
2		22.5	1277351	53816.79	BB
3	BENZ(a)ANTHRACENE	24.7	406913	15988.60	BB
4	BENZ(a)FLUORANTHENE	29.5	682342	26558.54	BB
5	BENZ(b)FLUORANTHENE	31.1	879460	32546.75	BB
6	BENZ(a)PYRENE	32.4	738918	26394.16	MM
7	BENZ(a)CHRYSENE	35.9	180212	6907.23	MM
8	INDEN(1,2,3-cd)PYR	37.0	363293	14682.93	MM
9		38.3	70632	3784.45	BB
10		41.8	126000	5356.11	BB

6004446 233576.56

Chromatogram

48 324

FileName : C:\Z700\DATA\1AF-204.raw

Date : 12/14/93 6:42 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

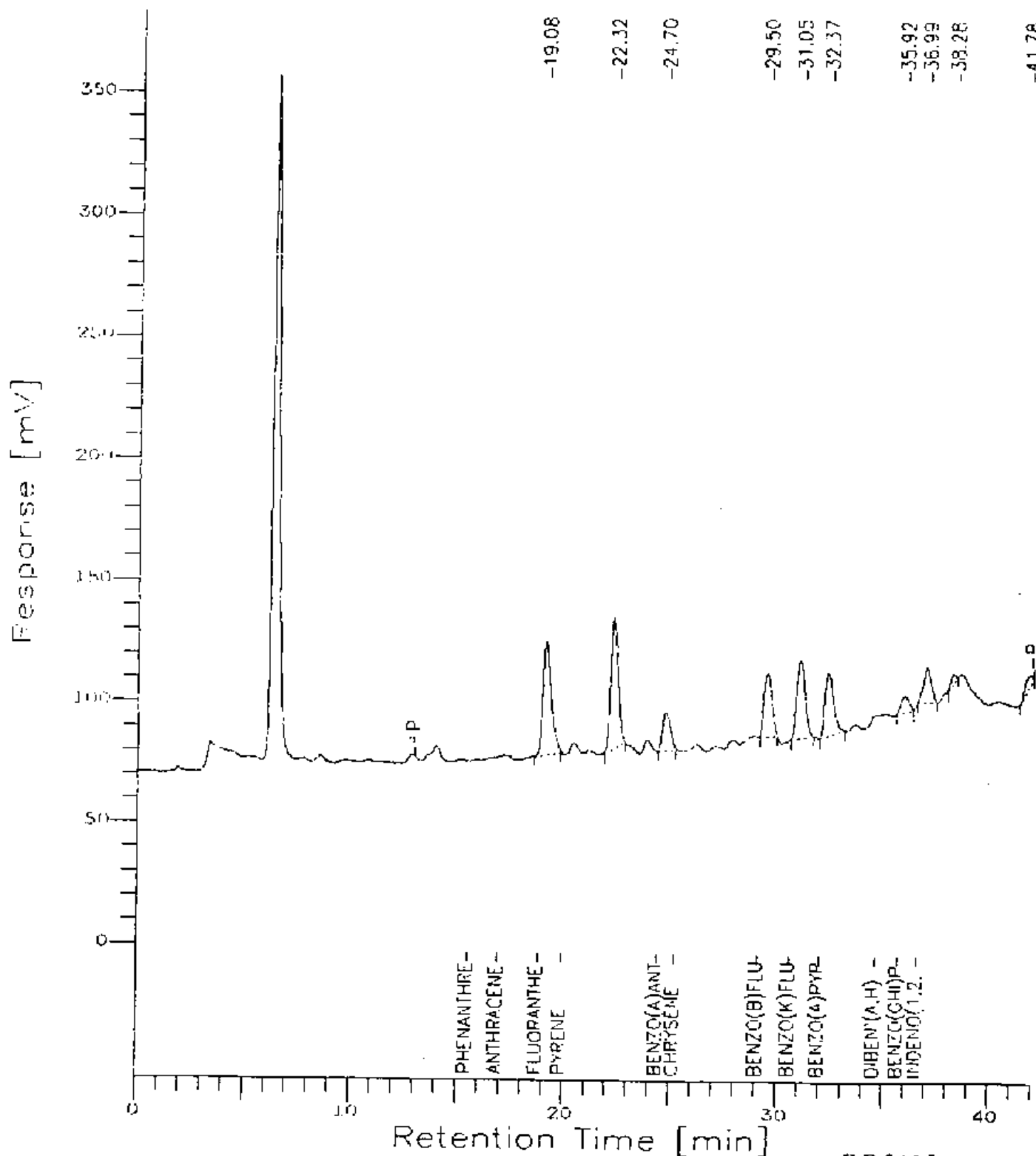
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale: 360 mV



001546

=====

Sample Name	: CDDMFW#2	Time	: 12/14/93 6:44 PM
Sample Number	: 205	Study	:
Operator	:		

Interface # : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 10:32 AM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA\1AF-205.raw
 Result File : D:\TEMP\TERS3078.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.snp
 Sequence File : C:\2700\DATA\default.seq

Inj Volume : 0.000000 Area Reject : 20000.00
 Sample Amount : 1.000000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret Time [min]	Area [uv-sec]	Height [uV]	BL
1	FLUORANTHENE	19.2	376958	16718.15	BB
2		22.3	1400983	58377.90	BB
3		24.0	191287	10167.56	BB
4	BENZO(A)ANTHRACENE	24.7	117893	5434.70	MM
5	BENZO(B)FLUORANTHENE	29.4	377230	12380.81	MM
6	BENZO(K)FLUORANTHENE	30.9	366085	14033.56	MM
7	BENZO(A)PYRENE	32.2	241468	10053.55	MM
5011902 127116.23					

Chromatogram

File Name : C:\2700\DATA\JAF-205.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 7:08 PM

Page 1 of 1

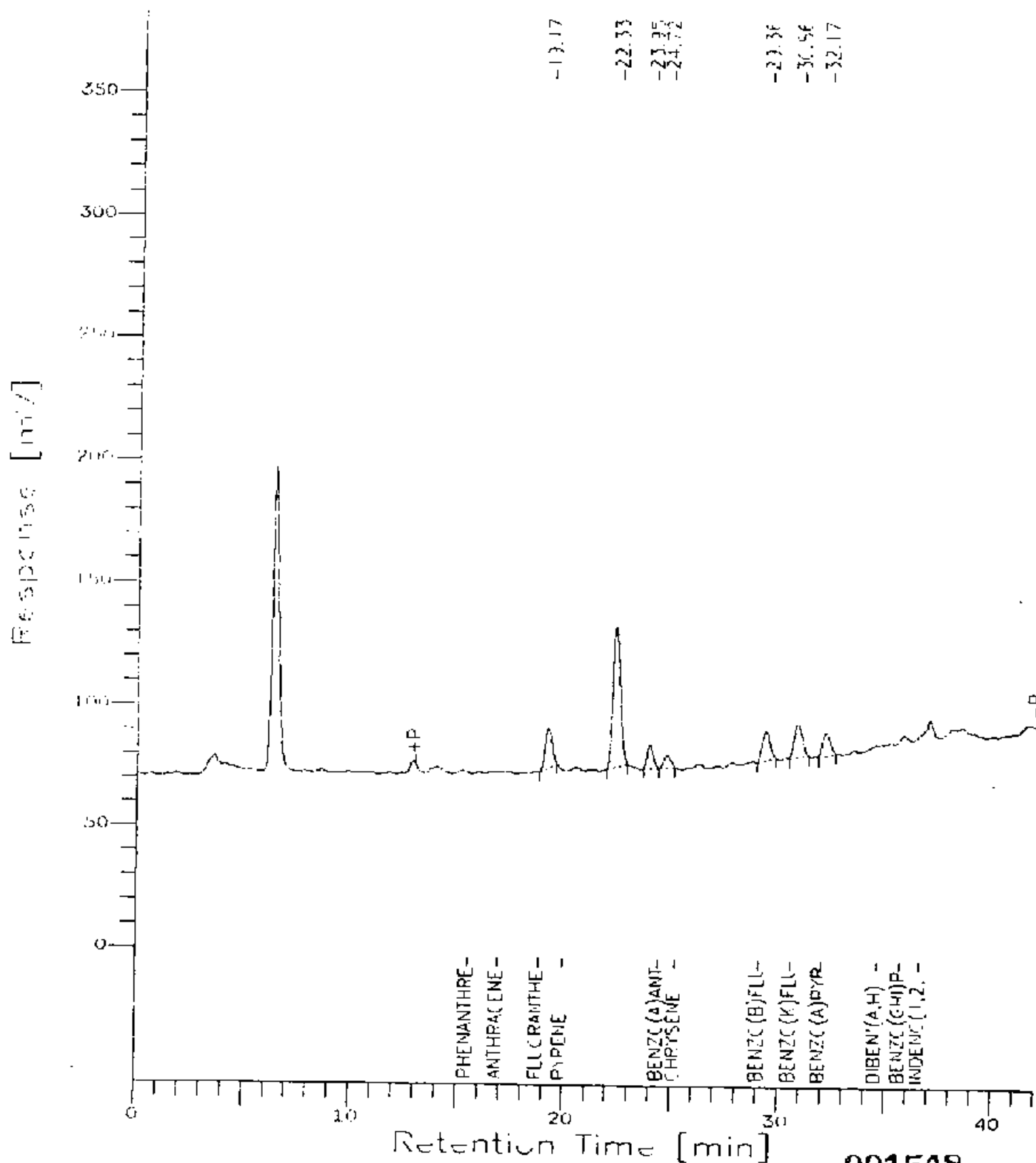
Scale Factor : 0

Plot Offset: -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV

Plot Scale: 360 mV



001548

```
=====
Sample Name   : CDDMTW*11
Sample Number : 206
Operator      :
Time          : 12/14/93  6:46 PM
Study        :
=====
```

```
Interface #   : 1          Channel : B          A/D mV Range : 1000
AutoSampler   : None attached
Pack/Vial     : 0/0
```

```
Data Acquisition Time: 12/7/93  11:26 AM
Delay Time      : 0.00 min.
End Time        : 42.00 min.
Sampling Rate   : 1.0000 pts/sec
```

```
Raw Data File   : C:\2700\DATA1\1AF-206.raw
Result File     : D:\TEMP\TERS1921.rs1
Instrument File  : C:\2700\DATA\PAHUV.ins
Process File    : C:\2700\DATA\PAHFL.pro
Sample File     : C:\2700\DATA\PAHFL.smp
Sequence File   : C:\2700\DATA\default.seq
```

```
Upt. Volume     : 3          ul          Area Reject : 20000.00
Sample Amount   : 1.0000
```

```
=====
```

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time [min.]	Area [mV-sec.]	Height [mV]	RL
1	PYRENE	19.1	968990	41895.31	BB
2		22.2	831400	36811.11	BB
3		23.9	444760	22511.48	BB
4	BENZO(A)ANTHRACENE	24.6	256865	11334.68	BB
5	BENZO(K)FLUORANTHENE	29.2	467035	18358.82	BB
6	BENZO(A)PYRENE	30.7	550219	21920.33	BB
7	DIBEN(A,E)ANTHRA(1,2,3-CD)PYRENE	32.0	429355	16902.02	BB
8	BENZO(G,H)PERYLENE	35.6	66218	3282.33	BB
9	INDENO(1,2,3-CD)PYRENE	37.0	325442	24794.54	BB

4340282 197810.63

Chromatogram

48 328

File Name : C:\2700\DATA\1\141-205.raw

Start Time : 0.00 min

End Time : 42.00 min

Date : 12/14/93 6:46 PM

Page 1 of 1

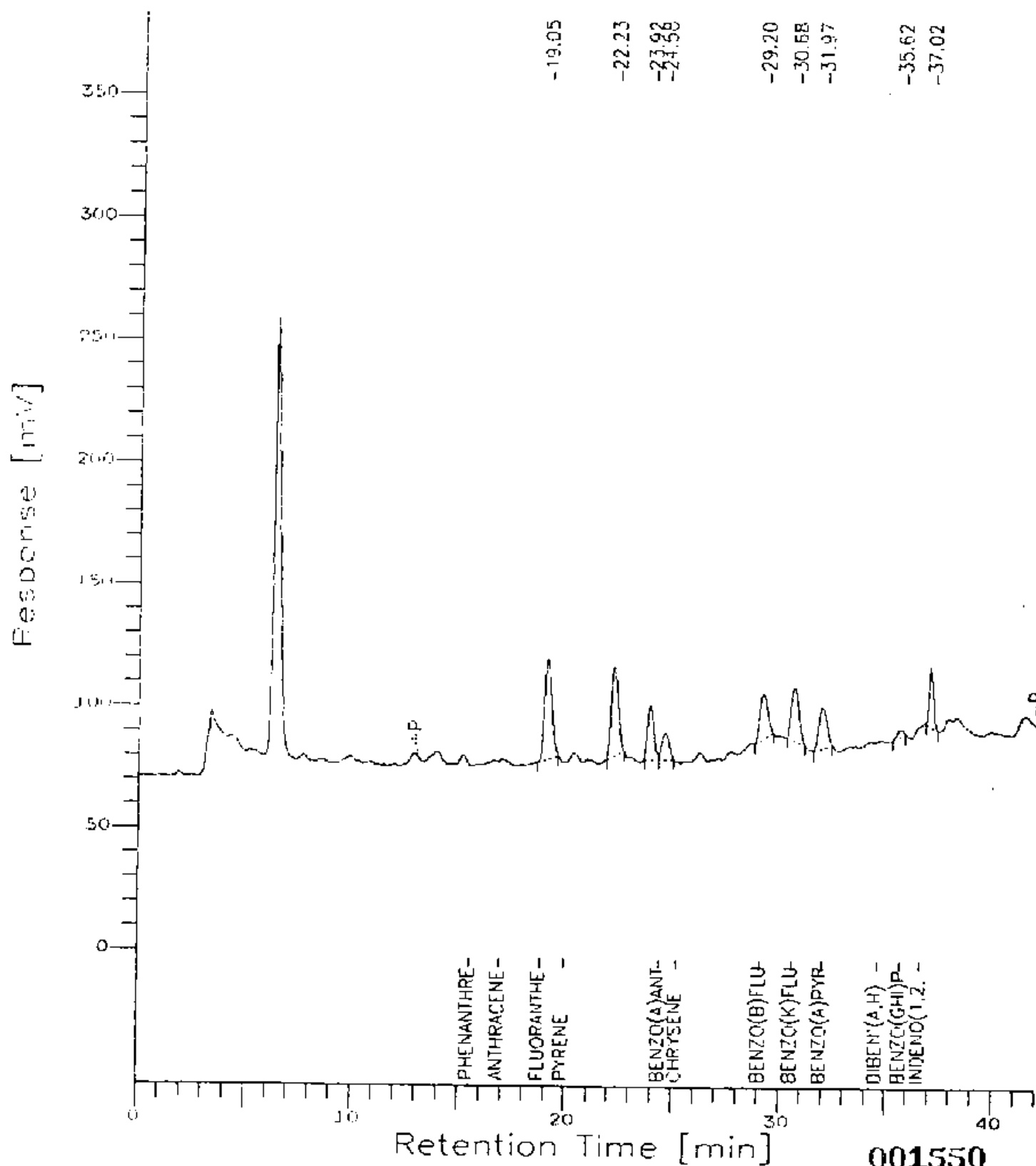
Scale Factor : 0

Plot Offset : -3 mV

Low Point : -3.00 mV

High Point : 357.00 mV

Plot Scale: 360 mV



=====

Sample Name	: CDDMTW17	Time	: 12/14/93 6:51 PM
Sample Number	: 207	Study	:
Operator	:		

Interface II : 1 Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 3:10 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-207.raw
 Result File : C:\TEMP\TERS2379.rst
 Instrument File: C:\2700\DATA\PAHUV.ins
 Process File : C:\2700\DATA\PAHFL.pro
 Sample File : C:\2700\DATA\PAHFL.smp
 Sequence File : C:\2700\DATA\default.seq

Int. Volume : 7 ul Area Reject : 20000.00
 Sample Amount : 1.0000

=====

ANALYSIS REPORT

Peak #	Component Name	Ret. Time [min]	Area [UV-sec]	Height [UV]	CL
1		22.0	1548927	74535.47	BC
2	1,2,3-CD PYR	37.3	53535	4859.24	PK
			1602462	79194.70	

=====

Chromatogram

File Name : C:\2700\DATA\IAF-207.raw

Date : 12/14/93 6:51 PM

Page 1 of 1

Start Time : 0.00 min

End Time : 42.00 min

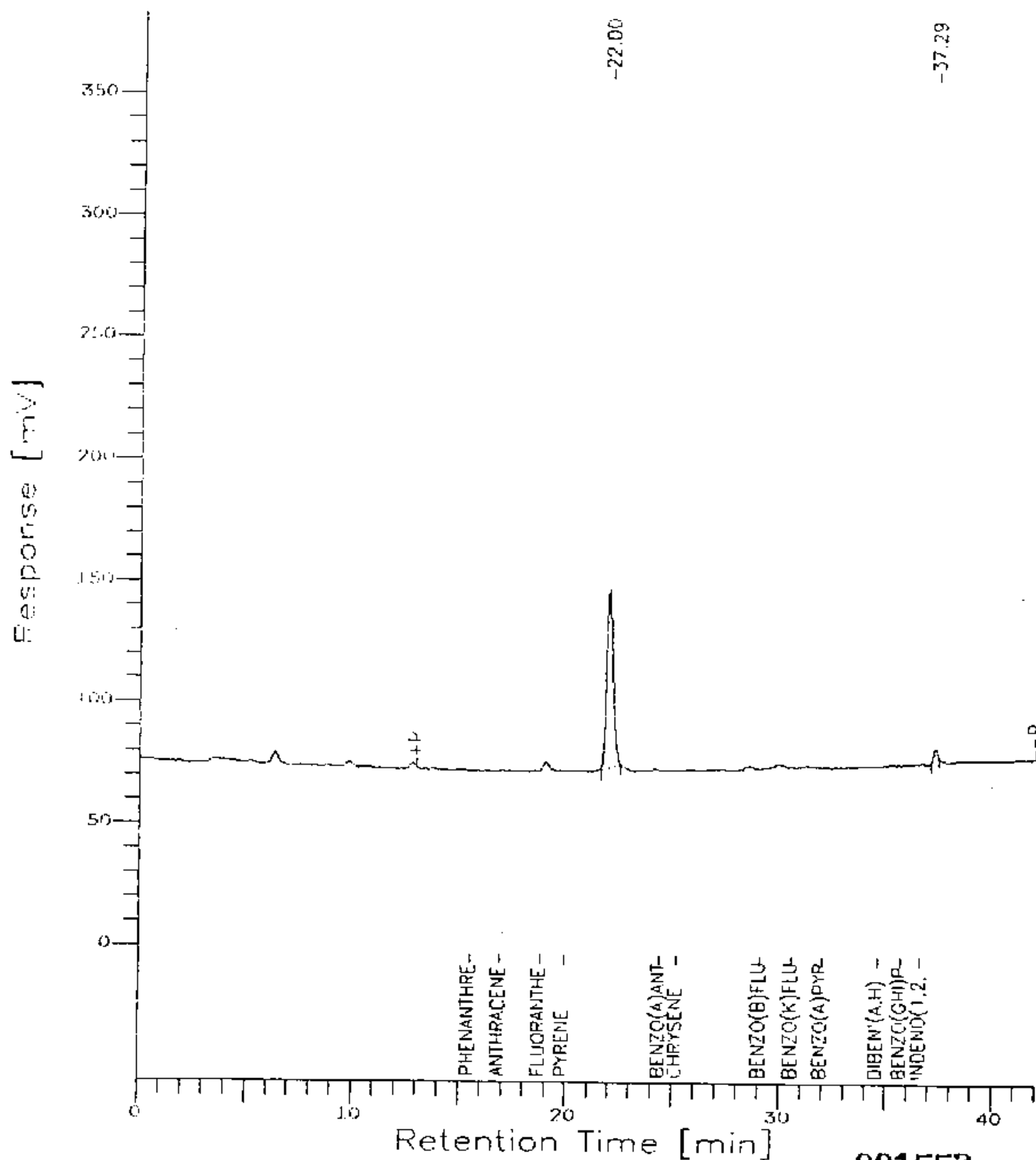
Low Point : -3.00 mV

High Point : 357.00 mV

Scale Factor : 0

Plot Offset : -3 mV

Plot Scale: 360 mV



001552

Sample Name : CCS*939123-B5*27 Time : 12/14/93 6:53 PM
 Sample Number : 208 Study :
 Operator :

Interface : J Channel : B A/D mV Range : 1000
 AutoSampler : None attached
 Rack/Vial : 0/0

Data Acquisition Time: 12/7/93 4:05 PM
 Delay Time : 0.00 min.
 End Time : 42.00 min.
 Sampling Rate : 1.0000 pts/sec

Raw Data File : C:\2700\DATA1\1AF-208.raw
 Result File : D:\TEMP\TERS3C7G.rst
 Instrument File: C:\2700\DATA\PAHFV.ins
 Process File : C:\2700\DATA\PAHFV.Lprc
 Sample File : C:\2700\DATA\PAHFV.Ltemp
 Sequence File : C:\2700\DATA\Default.Lseq

Int. Volume : J Int. Area Rejected : 20000.00
 Sample Amount : 1.0000

ANALYSIS REPORT

Peak #	Compound Name	Ret. Time [min]	Area [uV-sec]	Height [uV]	DL
1		13.6	20190694	902026.06	BB
2	PHENANTHRENE	15.7	2660572	135239.05	MM
3	ANTHRACENE	17.1	3048212	149367.55	MM
4	FLUORANTHENE	18.9	4168797	196009.72	MM
5	PYRENE	20.0	2125477	93893.45	MM
6		22.0	1648751	85143.30	BB
7	BENZO(A)ANTHRACENE	24.2	3854985	165217.22	MM
8	CHRYSENE	25.0	3755644	149289.63	MM
9	BENZO(B)FLUORANTHENE	28.7	4551742	180704.47	MM
10	BENZO(K)FLUORANTHENE	30.2	3005561	115961.88	MM
11	BENZO(A)PYRENE	31.8	4466166	167952.91	MM
12	DIBEN(A,H)ANTHACENE	34.2	3347472	123931.35	MM
13	BENZO(GH)PERYLENE	35.4	3035280	114925.09	MM
14	INDENO(1,2,3-CD)PYR	36.3	3063106	106658.82	MM
15		39.6	340403	12870.06	BB
			63462856	2.69e6	

Chromatogram

FileName: C:\2700\DATA\IAF-208.raw

Start Time: 0.00 min

End Time: 42.00 min

Date: 12/14/93 6:53 PM

Page 1 of 1

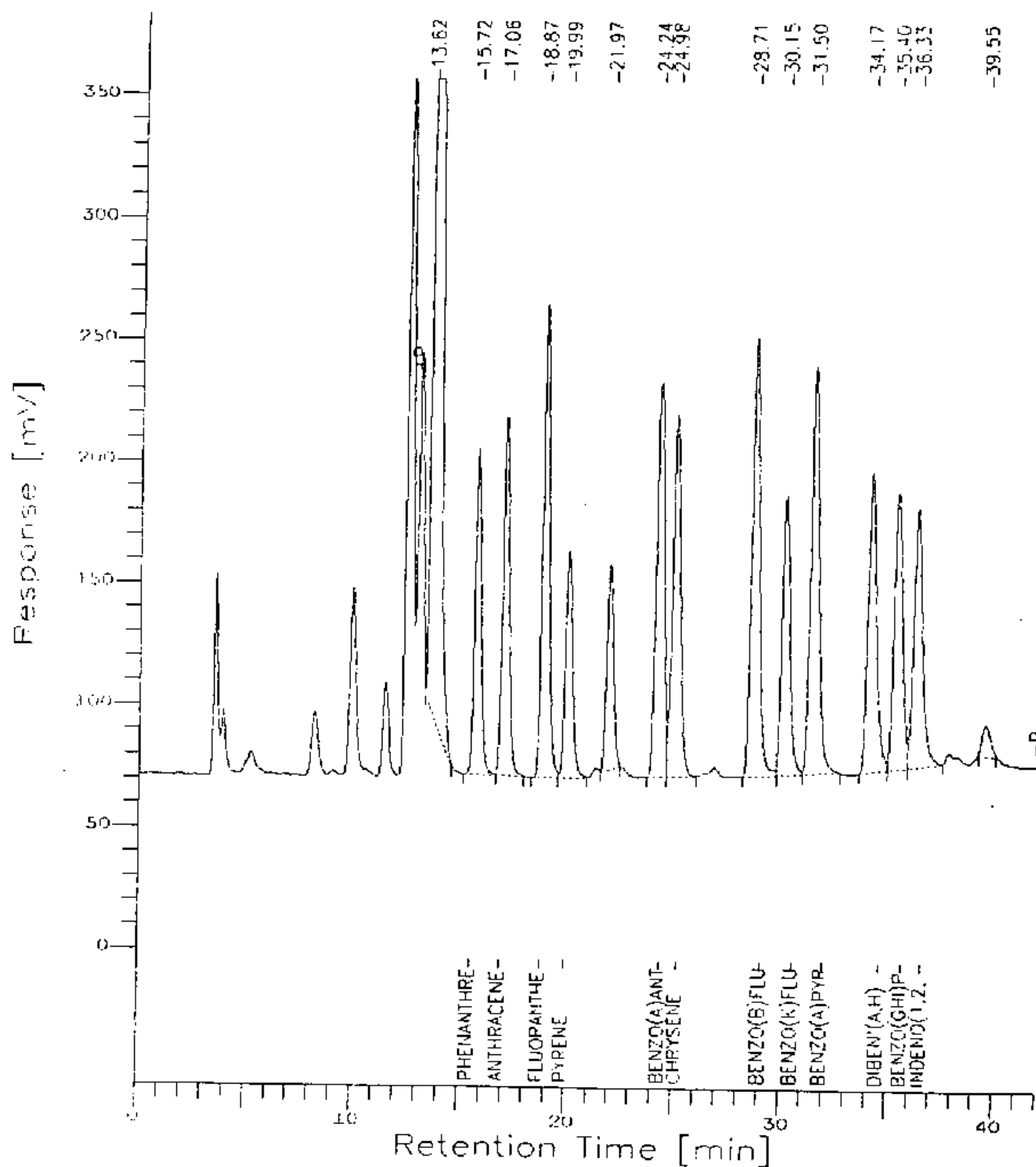
Scale Factor: 0

Plot Offset: -3 mV

Low Point: -3.00 mV

High Point: 357.00 mV

Plot Scale: 360 mV



001554

MISCELLANEOUS DOCUMENTS SECTION

BATCH# G 44731

Contains the following copies (NA those not required):

1. Sample arrival notice(s) ✓
2. Extraction logbook page(s) ✓
3. Extraction personal notebook page(s) ✓
4. % Moisture data sheet NA
5. Extract chain of custody logbook page ✓
6. Analyst notebook pages of standard preparation and concentrations ✓
7. Standard solutions inventory ✓
8. Instrument logbook page(s) ✓
- see batch printout 9. Example calculation ✓
10. Error correction codes ✓

001555

Environmental Science and Engineering 12/15/93 STATUS:

P# 1 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1243 ***

CH 1 OF 1

PROJECT NUMBER 79340826 0201 PROJECT NAME HUNTSVILLE COE - DDMT
 FIELD GROUP CDDMTW PROJECT MANAGER P.C. WILBER
 LAB COORDINATOR PATRICK WILBER

COLLECTION DATES: A=11/11/93 B=11/15/93

RECEIPT DATES : A=11/12/93/11/16/93 B=11/12/93/11/16/93

LAB DUE DATES : A=12/10/93/12/14/93 B=12/10/93/12/14/93

TURNAROUND :

MATRIX : W

DET. LIMIT SPEC'D : NONE SPECIFIED

QC :

SAMPLE FRACTIONS C, C, EC, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP, VP, VP

, VP, VP, . . . GCV, C, CF

COMMENTS/QC FR:

SAMPLE SEQ #
 COLLECTION DATE CODES: BAA
 RECEIPT DATE CODES: BAA
 LAB DUE DATE CODES: BAA

			EXTRACT DET.LMT. JJ		CRITERIA 902
			GROUP		
001	ACENAPHTHENE	,UG/L	34205*8310/3520-G	610	LLL
002	ACENAPHTHYLENE	,UG/L	34200*8310/3520-G	610	LLL
003	ANTHRACENE	,UG/L	34220*8310/3520-G	610	LLL
004	BENZO(A)ANTHRACENE	,UG/L	34526*8310/3520-G	610	LLL
005	BENZO(A)PYRENE	,UG/L	34247*8310/3520-G	610	LLL
006	BENZO(B)FLUORANTHENE	,UG/L	34230*8310/3520-G	610	LLL
007	BENZO(GH)PERYLENE	,UG/L	34521*8310/3520-G	610	LLL
008	BENZO(K)FLUORANTHENE	,UG/L	34242*8310/3520-G	610	LLL
009	CHRYSENE	,UG/L	34320*8310/3520-G	610	LLL
010	DIBEN(A,H)ANTH'CENE	,UG/L	34556*8310/3520-G	610	LLL
011	FLUORANTHENE	,UG/L	34376*8310/3520-G	610	LLL
012	FLUORENE	,UG/L	34381*8310/3520-G	610	LLL
013	INDENO(1,2,3-CD) PYRENE	,UG/L	34403*8310/3520-G	610	LLL
014	NAPHTHALENE	,UG/L	34696*8310/3520-G	610	LLL
015	PHENANTHRENE	,UG/L	34461*8310/3520-G	610	LLL
016	PYRENE	,UG/L	34469*8310/3520-G	610	LLL
017	THIODIGLYCOL	,UG/L	99797*UW22	UW22	LLL
018	ALORIN	,UG/L	39330*8080/3520-G	8080W	DDD
019	BHC,A	,UG/L	39337*8080/3520-G	8080W	DDD
020	BHC,B	,UG/L	39338*8080/3520-G	8080W	DDD
021	BHC,D	,UG/L	34259*8080/3520-G	8080W	DDD
022	BHC,G(LINDANE)	,UG/L	39340*8080/3520-G	8080W	DDD
023	CHLORDANE	,UG/L	39350*8080/3520-G	8080W	DDD
024	DDO,PP'	,UG/L	39310*8080/3520-G	8080W	DDD
025	DDE,PP'	,UG/L	39320*8080/3520-G	8080W	DDD
026	DDT,PP'	,UG/L	39300*8080/3520-G	8080W	DDD
027	DIELDRIN	,UG/L	39380*8080/3520-G	8080W	DDD
028	ENDOSULFAN,A	,UG/L	34361*8080/3520-G	8080W	DDD
029	ENDOSULFAN,B	,UG/L	34356*8080/3520-G	8080W	DDD
030	ENDOSULFAN SULFATE	,UG/L	34351*8080/3520-G	8080W	DDD
031	ENDRIN	,UG/L	39390*8080/3520-G	8080W	DDD
032	ENDRIN ALDEHYDE	,UG/L	34366*8080/3520-G	8080W	DDD
033	HEPTACHLOR	,UG/L	39410*8080/3520-G	8080W	DDD
034	METHOXYCHLOR	,UG/L	39480*8080/3520-G	8080W	DDD
035	HEPTACHLOR EPOXIDE	,UG/L	39420*8080/3520-G	8080W	DDD
036	TOXAPHENE	,UG/L	39400*8080/3520-G	8080W	DDD
037	PCB-1016	,UG/L	34671*8080/3520-G	8080W	DDD
038	PCB-1221	,UG/L	39488*8080/3520-G	8080W	DDD
039	PCB-1232	,UG/L	39492*8080/3520-G	8080W	DDD
040	PCB-1242	,UG/L	39496*8080/3520-G	8080W	DDD

001556

O=OPEN L=IN LAB E=EXTRACTED N=NOT REQUESTED D=DONE S=SCHEDULED

Environmental Science and Engineering 11/15/93 STATUS:

P# 1 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1243 ***

C# 2 OF 5

PROJECT NUMBER 7934082G 0201
FIELD GROUP CDDMTWPROJECT NAME HUNTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBERCOLLECTION DATES: A=11/13/93
RECEIPT DATES : A=11/15/93
LAB DUE DATES : A=12/12/93

TURNAROUND :

QC

COMMENTS/QC PR:

MATRIX : W

DET. LIMIT SPEC'D : NONE SPECIFIED

SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, H, NP, NP, NP, VP, VP, VP, VP, VP

COLLECTION DATE CODES: AAA
RECEIPT DATE CODES: AAA
LAB DUE DATE CODES: AAA

SAMPLE SEQ #

			EXTRACT	DET. LMT.	
			GROUP	CRITERIA	156
001	ACENAPHTHENE	,UG/L	34205*8310/3520-G	610	CON
002	ACENAPHTHYLENE	,UG/L	34200*8310/3520-G	610	CON
003	ANTHRACENE	,UG/L	34220*8310/3520-G	610	CON
004	BENZO (A) ANTHRACENE	,UG/L	34526*8310/3520-G	610	CON
005	BENZO (A) PYRENE	,UG/L	34247*8310/3520-G	610	CON
006	BENZO (B) FLUORANTHENE	,UG/L	34230*8310/3520-G	610	CON
007	BENZO (GHI) PERYLENE	,UG/L	34521*8310/3520-G	610	CON
008	BENZO (K) FLUORANTHENE	,UG/L	34242*8310/3520-G	610	CON
009	CHRYSENE	,UG/L	34370*8310/3520-G	610	CON
010	DIBEN (A, H) ANTH' CENE	,UG/L	34556*8310/3520-G	610	CON
011	FLUORANTHENE	,UG/L	34376*8310/3520-G	610	CON
012	FLUORENE	,UG/L	34381*8310/3520-G	610	CON
013	INDENO (1,2,3-CD) PYRENE	,UG/L	34403*8310/3520-G	610	CON
014	NAPHTHALENE	,UG/L	34596*8310/3520-G	610	CON
015	PHENANTHRENE	,UG/L	34461*8310/3520-G	610	CON
016	PYRENE	,UG/L	34469*8310/3520-G	610	CON
017	THIODIGLYCOL	,UG/L	99797*UW22	UW22	CON
018	ALDRIN	,UG/L	39330*8080/3520-G	8080W	CON
019	BHC, A	,UG/L	39337*8080/3520-G	8080W	CON
020	BHC, B	,UG/L	39338*8080/3520-G	8080W	CON
021	BHC, D	,UG/L	34259*8080/3520-G	8080W	CON
022	BHC, G (LINDANE)	,UG/L	39340*8080/3520-G	8080W	CON
023	CHLORDANE	,UG/L	39350*8080/3520-G	8080W	CON
024	DDT, PP'	,UG/L	39310*8080/3520-G	8080W	CON
025	DDT, PP'	,UG/L	39320*8080/3520-G	8080W	CON
026	DDT, PP'	,UG/L	39300*8080/3520-G	8080W	CON
027	DIELDRIN	,UG/L	39380*8080/3520-G	8080W	CON
028	ENDOSULFAN, A	,UG/L	34361*8080/3520-G	8080W	CON
029	ENDOSULFAN, B	,UG/L	34356*8080/3520-G	8080W	CON
030	ENDOSULFAN SULFATE	,UG/L	34361*8080/3520-G	8080W	CON
031	ENDRIN	,UG/L	39390*8080/3520-G	8080W	CON
032	ENDRIN ALDENYDE	,UG/L	34366*8080/3520-G	8080W	CON
033	HEPTACHLOR	,UG/L	39410*8080/3520-G	8080W	CON
034	METHOXYCHLOR	,UG/L	39480*8080/3520-G	8080W	CON
035	HEPTACHLOR EPOXIDE	,UG/L	39420*8080/3520-G	8080W	CON
036	TOXAPHENE	,UG/L	39400*8080/3520-G	8080W	CON
037	PCB-1016	,UG/L	34571*8080/3520-G	8080W	CON
038	PCB-1221	,UG/L	39488*8080/3520-G	8080W	CON
039	PCB-1232	,UG/L	39492*8080/3520-G	8080W	CON
040	PCB-1242	,UG/L	39496*8080/3520-G	8080W	CON

O=OPEN L=IN LAB E=EXTRACTED N=NOT REQUESTED D=DONE S=SCHEDULED
* "STORET" = NOT ON DEPT AVAIL NUMS

001557

PROJECT

Huntsville Co. DDMT

Notebook No. 931

97

Continued From Page

CDDMTW-9-12, 9C

fraction LC
P310 H2Opoured up 1000 ml samples checked pH, then transferred,
checked pH 2, 12 then spiked started run at

3:30 pm 11/19/93

- 1) Run off at 9:30 AM 11-19-93
- 2) Poured up into KDS/receivers thick silene treated glass wool
and Na₂SO₄ funnels
- 3) Constant 10 ml.
- 4) Placed in Fridge 29 11-19-93 CAG

Silene upholding to RCU, brought up 5.0 ml in study results
11-22-93

Continued on Page

001559

Read and Understood By

11-22-93

Date

Signed

Date

Signed

SAMPLES: CDDMTW. 9-12, 9CSAMPLE FRACTION: LC

EXTRACTION SOLVENT: Methylene Chloride

8310 H2O CHECKLIST

1. Set up cont. ext. with 400ml MeCl2
2. Pour up 1L of sample into a mixing cylinder
Use HPLC H2O for QC
3. Check PH of the sample, adjust PH to 12
4. Spike the samples
5. Extract for 18 hours
6. Concentrate to 10ml at 65-70 degrees C
7. Solvent exchange to ACN at 85 degrees C
8. Take to 5.0ml ACN
9. Place samples in fridge C

PH= 12time on 3:30pm time off 9:30 AM CAC-
11-19-93

CAC 11-19-93

CAC 11-22-93

QC REQUIREDBLK
SPK
MS
MSD

YES NO

☒	☐
☒	☐
☒	☐
☒	☐

MeCl2
ACN
HPLC H2OLOT#
LOT#
LOT#

B6153

B6153

D VITF 11/14/93

Chain of Custody	400ml MeCl2 11/18/93	24 Fridge CAC 11-19-93	24 Fridge CAC 11-22-93

001560

ENVIRONMENTAL SCIENCE AND ENGINEERING, INC.
ORGANIC LABORATORY SAMPLE CHECK IN/OUT LOG

FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 4.5, 4.8, 13, 14, 23, 25, 29, 33, 38, 39, 43, 44	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 9-12	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 4.5, 4.8, 13, 14, 23, 25, 29, 33, 38, 39, 43, 44	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 4.5, 4.8, 13, 14, 23, 25, 29, 33, 38, 39, 43, 44	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 4.5, 4.8, 13, 14, 23, 25, 29, 33, 38, 39, 43, 44	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 9-12	EXTRACT TYPE	8310 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		
FIELD GROUP AND SAMPLE SEQUENCE	COO MTL * 1-4	EXTRACT TYPE	8080 H2O
DATE/TIME IN	11-22-93		
DATE/TIME OUT	11-23-93		

(ORGANLAB 07/91)

001561

STANDARD LABELING CONVENTION AND ASSOCIATED
DILUTION CODES

All standard solutions used by the HPLC group have the following characteristic nomenclature:

First three digits - ESE laboratory notebook number

Next two digits - page number in the lab notebook
(pages 1-9 are recorded as 01-09)

Last digit - sequence number on the notebook page

The six digit code is followed by a hyphen and a dilution code and multiplier (if required). The dilution codes are based on factors of 10 as the alphabetic character advances. All "A" dilution codes designate a primary stock standard, or the most concentrated combined stock in a series. "B", "C", and "D" designate 1:10, 1:100, and 1:1000 dilutions of the "A" stock, respectively. The last character, a multiplier, is used to denote dilutions which are not a factor of 10 dilution of the primary solution.

EXAMPLE: STD# 888097-C5, preparation documented in lab notebook number 888 on page 9 as the seventh standard listed on the page. "C5" denotes a 1:20 dilution of the "A" stock (1:100 x 5).

NOTEBOOK 801

PROJECT PAH STANDARDS

Continued From Page

801791-A NAPHTHALENE
ALDRICH LOT#04018MY, 99%T

$$\frac{29.8 \text{ mg}}{10 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{mL}}{\text{L}} = 2,950,200 \frac{\text{mg}}{\text{L}}$$

801792-A ACENAPHTHYLENE
CHEM SERVICE LOT#33-1310, 97.5%

$$\frac{39.3 \text{ mg}}{10 \text{ mL ACN}} \times 0.975 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{mL}}{\text{L}} = 3,831,750 \frac{\text{mg}}{\text{L}}$$

801793-A 1-METHYLNAPHTHALENE, 99%
ALDRICH LOT#03410BP, 99% purity

$$\frac{1.014 \text{ mg}}{25 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{mL}}{\text{L}} = 4,05440 \frac{\text{mg}}{\text{L}}$$

801794-A 2-METHYLNAPHTHALENE
ALDRICH LOT#0040687, 98% purity

$$\frac{8516 \text{ mg}}{25 \text{ mL ACN}} \times 0.98 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{mL}}{\text{L}} = 3,255,520 \frac{\text{mg}}{\text{L}}$$

801795-A ACENAPHTHENE
CHEM SERVICE LOT#02-94A, 99%

$$\frac{66.4 \text{ mg}}{10 \text{ mL ACN}} \times 0.99 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{mL}}{\text{L}} = 6,573,600 \frac{\text{mg}}{\text{L}}$$

Continued on Page 50

Read and Understood By

B. J.
Signed

11-22-91

Date

[Signature]
Signed

[Signature]
Date

PROJECT PAH STANDARDS

801801-A FLUORENE

CHEM SERVICE LOT# ASD-66, 99.2%

$$\frac{16.3 \text{ mg}}{25 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}} = 1652,000 \frac{\text{mg}}{\text{L}}$$

801802-A PHENANTHRENE

CHEM SERVICE LOT# 52-23A, 99%

$$\frac{12.5 \text{ mg}}{25 \text{ mL}} \times \frac{0.99}{1} \times \frac{1000 \text{ mL}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}} = 534,600 \frac{\text{mg}}{\text{L}}$$

801803-A ANTHRACENE

CHEM SERVICE LOT# 4120-B, 97.0%

$$\frac{9 \text{ mg}}{10 \text{ mL}} \times \frac{0.97}{1} \times \frac{1000 \text{ mL}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}} = 882,700 \frac{\text{mg}}{\text{L}}$$

801804-A FLUORANTHENE

ALDRICH LOT# 026010K, 98%

$$\frac{13.0 \text{ mg}}{10 \text{ mL}} \times \frac{0.98}{1} \times \frac{1000 \text{ mL}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}} = 1,274,000 \frac{\text{mg}}{\text{L}}$$

801805-A PYRENE

ALDRICH LOT# INT. DIR 16AL, 99%+

$$\frac{6.6 \text{ mg}}{25 \text{ mL}} \times \frac{1000 \text{ mL}}{1 \text{ L}} \times \frac{1000 \text{ mL}}{1 \text{ L}} = 264,000 \frac{\text{mg}}{\text{L}}$$

Continued on Page 8

B J

Read and Understood By

11-22-91

J. Hattis

B. Hattis

001566

PROJECT: PAH ANALYSIS	
801811-A	BENZ(a)ANTHRACENE
CHEM SERVICE LOT # 54-108, 94.5%	
9.9 mg	0.985 mg
10 mL ALN	100 mL
	975,500 mg/L
801812-A	CHRYSENE
ALDRICH LOT # 012-217, 98%	
55 mg	0.99 mg
25 mL ALN	100 mL
	715,600 mg/L
801813-A	BENZ(b)FLUORANTHENE
CHEM SERVICE LOT # 54-108, 94.5%	
73 mg	0.99 mg
10 mL ALN	100 mL
	722,700 mg/L
801814-A	BENZ(k)FLUORANTHENE
CHEM SERVICE LOT # 30-70, 99.0%	
55 mg	0.99 mg
10 mL ALN	100 mL
	644,500 mg/L
801815-A	BENZ(a)PYRENE
ALDRICH LOT # 147027, 98%	
113 mg	0.99 mg
10 mL ALN	100 mL
	1,07,400 mg/L

Continued on Page 82

Analyst: BJ Date: 11-22-91

Read and Understood by: J. P. [Signature] Signed: [Signature] Date: 11-22-91

001567

PROJECT 81

801821	-A	DIBENZ(a,h)ANTHRAcene
S. J. P. CO. LOT # 052224, 98% ALDRICH LOT # 052224, 98% ULTRA S. I. F. A. T. E. D. LOT # 052224, 98%		
46		
10ml	BURETS	Ad
	2ml	8ml
801822	-A	BENZ(a,k)PERYLENE
ALDRICH LOT # 052224, 98%		
79ml		
10ml		
	2ml	8ml
801823	-A	INDENO(1,2,3-cd)PYRENE
CHEM SERVICE LOT # 052224, 98.5%		
5.0mg		
10ml		
	2ml	8ml
801824	-A	TEREPHTHALENE
ALDRICH LOT # 052224, 98%		
15.1mg		
10ml		
	2ml	8ml

Continued on Page 83

B. J.
Signed

11-22-71
Date

Read and Understood By

[Signature]
Signed

[Signature]
Date

001568

NOTEBOOK 856

PROJECT 610/856 PAH SPIKE SOLUTION

856011-A	PAH Spike Solution; contains:	µg/L
0.4 mL of 801791-A	NAP 2950 µg/L	59,000
0.4 mL of 801792-A	ANP 3832 µg/L	76,635
0.2 mL of 801795-A	ANE 6574	65,736
2.0 mL of 801801-A	FLU 652	65,200
4.0 mL of 801802-A	PHN 534.6	106,920
2.0 mL of 801803-A	ANT 882.7	88,270
0.2 mL of 801814-A	BKF 544.5	5,445
0.2 mL of 801815-A	BAP 1107	11,074

RDB 2-5-92

856012-A, NAPHTHALENE

75.5 mg in 25 mL AcN = 3020 µg/mL

856013-A, ACENAPHTHYLENE

85.4 mg in 10 mL AcN = 8540 µg/mL

856014-A, ACENAPHTHENE

75.0 mg in 10 mL AcN = 7500 µg/mL

856015-A, FLUORENE

17.7 mg in 10 mL AcN = 1770 µg/mL

Weighed on balance #4, Mettler J5160 S/N C48266

Continued on Page 2

Robert J. Schaefer

2-6-92

B. Johnson

2-10-92

Signed

Date

Signed

Date

001570

[illegible]

856022-A ANTHRACENE

10.7 mg in 10 mL benzene/acetonitrile = 1070 $\mu\text{g/mL}$

856023-A, BENZO(K)FLUORANTHENE

$$4.8 \text{ ng in } 10 \text{ nl acetone/acetone:methanol} = 480 \text{ ng/nl}$$

856024-A, BENZO (A) PYRENE

$$15.2 \text{ mg in } 10 \text{ mL benzene/nitrobenzene} = 1520 \text{ mg/L}$$

Weighted on balance #4 Matter AE160
SN C48266

LOS	2-6-72

4

856025-A, Combined PAH Stock #11, contains

0.25 L of 80/804-A, FLAN, 1274 H/L

31.89 %

0.44 of 801811-A. 6AA. 97512

39.01

0.35 in. of 80181B-A, BBF, 722.7

25.39

0.5 mL of 856023-A, 8KF, 780

10. Ach	

149

0.25 uL of 856024-A, BAA, 1520

38.0

2.04L of 801821-A, DBA, 495.4

000000-98

Robert A. Lusk

2-7-92

Read and Underlined By

Ben Johnson
Signed

2-10-12

Signed

Coverage

Experiment 1

Date

1	1	6	5	9

-	8	5	6	7	0	1	-	A

BENZ(D)PYRENE, ALDRICH LOT 14904TY 98% purity
4.1 mg = 160,720 PPB
2.5 ml at 100

-	8	5	6	7	0	2	-	A

BEIRD (412) PERYLENE ALDRICH LOT C1810PV 98% purity
7.8 mg = 305,760 ppb
(25 ul. 3.125%)

-856703-A

4.7mg = 185,180 PPB

- 856704-A

BENZOK(FLUORANTHENE)CHEMSEQUELE LOT A-139, pure 98.50
6.3 mg = 240,960 ppb
25.21 mg

- 856705A

BENZO(b)FLUORANTHENE, CHEM SERVICE LOT# 20-68 pur = 99%

$$7.3 \frac{7.6 \text{ mg} \cdot \text{hr}^{-1} \cdot \text{kg}^{-1} \cdot \text{min}^{-1} \cdot \text{L}^{-1}}{25 \text{ ml} \cdot \text{hr}^{-1} \cdot \text{kg}^{-1} \cdot \text{min}^{-1} \cdot \text{L}^{-1}} = 289.1 \text{ RPM}$$

856711-A

Triphenylene Aldrich Lot# 05922CV, 98%

4.8mg

= 470.4 PPM

10mL (9mL MeOH 1mL ACN)

856712-A

Triphenylene, Same source as above (711-A)

10.0mg

= 980.0 PPM

10mL (9mL MeOH 1mL ACN)

856711-C2

Triphenylene Surrogate Spike Solution

470.400 mg

1mL 9855711A

= 9,408 $\frac{\mu\text{g}}{\text{L}}$

50mL ACN

856713-A

1-Methylanthracene

Aldrich Lot# 03410BP, 99.6%

121.6

= 4964 PPM

2.5mL ACN

856714-A

2-Methylen

Aldrich Lot# 00408X7, 98%

97.9mg

= 3837.7 PPM

2.5mL ACN

BALANCE MATTER AS VIA SERIAL # B94857

Continued on Page

B. J. [Signature]

Signed

1-8-93

Date

Read and Understood By

Kelly S. [Signature]

Signed

1-15-93

Date

PROJECT - PAH - STAINES - CALIBRATION

Continued From Page 7

1-8-93

856721-A

~~5.000g~~ ALKYLIC LATE 07.60NDK, 98% FLUORANTHENE
8.7mg = 341.0814
25ml ALK/

856722-1

PYRENE ALDRICH LOT# 01516ML 99+
 11.4 mg = 456 PPM
 25 ML ACN

856723-A

Benzocyclopentadiene, Aldrich Lot # 147025Y, 98% Pure
Tol = 278.32 ppm
25 mL (Dimethylacet)

856 724 - A

BENZ (4) FLUOROTHTHENE, Chem Service, Lot 14-134 purity = 98%
 $\frac{7.8}{1.5 \times 10^2} = 305.76 \text{ PPM}$
 ESOL (DMSO-d6) =

8	5	6	1	2	5	-	A

1. Molar Ratio: 1.005-93
 240.6 + 931.52 PPM = 9.62+ PPM
 2.5 mL ACN

856726-A

2 Mes. NITRACALINE ALUMINUM, LOT #0040687, 98%
122.0 = 4782.4
3.54 L ACN

W. BRACE HETTLER 15 160 50 2557

Continued on Page 4

Read and Understood By:


Signed

1-8-93

Date: _____

B. A. L.

Gender

1-15-9

De

001575

1-10-93

856731-A

BENZENE, ALDRICH LOT# 0122-IT, 98%

$$\frac{7.8 \text{ mg}}{25 \text{ mL}} \times 0.98 = 302.22 \text{ PPM}$$

856732-A

CHRYSENE, ALDRICH LOT# 0122-IT, 98%

$$\frac{6.1 \text{ mg}}{25 \text{ mL}} \times 0.98 = 239.12 \text{ PPM}$$

856733-A

CHRYSENE, ALDRICH LOT# 0122-IT, 98%

$$\frac{4.8 \text{ mg}}{25 \text{ mL}} \times 0.98 = 188.16 \text{ PPM}$$

856734-A

TRIPHENYLENE, ALDRICH LOT# 05922-GK, 98%

$$\frac{8.5 \text{ mg}}{10 \text{ mL}} \times 0.98 = 83.3 \text{ PPM}$$

~~856735-A~~~~STANDARD DISCARDED BY 1-10-93~~~~PERYLENE, ALDRICH LOT# 05922-GK, 99%~~

~~$$\frac{8.3 \text{ mg}}{25 \text{ mL}} \times 0.99 = 328.68 \text{ PPM}$$~~

* BALANCE METTER ASKO SERIAL# 54287

Continued on Page

Read and Understood By

B. J.

Signed

1-10-93

Date

B. J.

Signed

1-15-93

Date

001576

PROJECT PAH CALIBRATION STANDARD

Notebook No. 856

Continued From Page 76

1-12-93

PAH STOCK STANDARD #3

856771-A

1)	ALAN	856721-A	341,000 PPB 0.2	1,364.14
2)	BAA	856731-A	307,320 0.2	1,229.28
3)	BRE	856705-A	289,100 0.2	1,158.4
4)	BAP	856723-A	270,320 0.2	1,113.24

856772-A

Benz(a) Fluoranthene Cal. Service Cert 30-70 99% purity
 $\frac{76}{25} \times 99 = 304,000$
 (1 ml. Methanol)

856773-A

Benz(a) Fluoranthene Same as above (772-A)
 $\frac{86}{25} \times 99 = 344,000$
 (1 ml. Methanol)

856772-C2

BKE

304,000 PPB $\frac{0.7 \text{ ml}}{10 \text{ ml. sol}} = 60,800 \text{ PPB}$

Continued on Page

Read and Understood By

B. J. Johnson
 Signed

1-12-93
 Date

B. J. Johnson
 Signed

1-15-93
 Date

001578

PROJECT PAH CALIBRATION

STANDARD

Notebook No. 6574
Continued From Page 77

856781-A	GENCO(R) FILLING MACHINE - 2. THOMAS & WILSON LOT # BT 12-93									
PAH STOCK STANDARD #4										
856781-A										
CRY	856782-A	219.00 P/B	1mL					11,956 P/B		
BKE	856782-A	6.080	0.5	20mL				157.0		
BIP	856782-A	365.700	0.1mL					1578.00		
PAH STOCK STANDARD #5										
856782-A										
IDP	Chambers Lot # 90.91A / 100.000 P/B	0.2mL					2,000 P/B			
DBA	Chambers Lot # 90.95B	100.000 P/B	0.2mL	10mL				2,000 P/B		

Continued on Page

B. Johnson
Signed

1-12-93
Date

Read and Understood By

B. Al
Signed

1-15-93
Date

001579

PROJECT PAH CALIBRATION STANDARDS

1-12-93

856791-A

The following PAH STOCK WORKING STANDARDS ARE PREPARED

856761-A 2.5ML

856762-A 2.5ML

856771-A 1ML

25ML AGN → 856791-A

856781-A 2.5ML

856782-A 1.2ML

Continued on Page

93

on

B. Johnson

Signed

1-12-93

Date

Read and Understood By

Wah M. M. M.

Signed

1/15/93

Date

001580

PROJECT EPA 410 STANDARD CONCENTRATION

Notebook No. 856

Continued From Page 79

85679	-A	CONCENTRATION LEVELS	Conc. from Page 79
NAPHTHALENE	856761-A	3,682.0 PPB	2.5 mL / 2.5 mL = 36,920 PPB
ACENAPHTHYLENE	856764-A	623,360 PPB	2.5 mL / 2.5 mL 62,336
1-MET. NAPHTH	856761-A	583,620 PPB	2.5 mL / 2.5 mL 58,368
2-MET. NAPHTH	856761-A	440,520 PPB	2.5 mL / 2.5 mL 44,052
ACENAPHTHENE	856762-A	896,000 PPB	2.5 mL / 2.5 mL 89,600
FLUORANTHENE	856762-A	94,000 PPB	2.5 mL / 2.5 mL 9,400
TELAPHENYLENE	856762-A	19,600 PPB	2.5 mL / 2.5 mL 1,960
PHENANTHRENE	856762-A	24,320 PPB	2.5 mL / 2.5 mL 2,432
ANTHRAcene	856764-A	35,200 PPB	2.5 mL / 2.5 mL 3,520
FLUORANTHENE	856771-A	1,364 PPB	1 mL / 2.5 mL 54,560
PYRENE	856772-A	9,120 PPB	2.5 mL / 2.5 mL 912
BENZ(A)ANT	856771-A	122,928 PPB	1 mL / 2.5 mL 49,171
CHRYSENE	856781-A	11,956 PPB	2.5 mL / 2.5 mL 1,195.6
Benz(Sb)FL	856771-A	84,811,564 PPB	1 mL / 2.5 mL 46,256
Benz(a)FL	856781-A	152.0 PPB	2.5 mL / 2.5 mL 15.20
Benz(a)PVR	856771-A	1,132.8 PPB	1 mL / 2.5 mL 44,531
DIBENZ(a,b)	856782-A	2,000 PPB	1.2 mL / 2.5 mL 96
Benz(b)FL	856781-A	1528.80 PPB	2.5 mL / 2.5 mL 152.88
INDENO(1,2,3-c)	856782-A	2,000 PPB	1.2 mL / 2.5 mL 96

Continued on Page

Read and Understood By

B. Johnson

Signed

1-12-93

Date

B. Anderson

Signed

1-15-93

Date

001581

PROJECT CCV STD. PAH-670

NOV 1993

1-13-93

- CCK SOLUTION #1, EPA 610

85681-A

NAP 3 mL 856012-A; 2,402,000 PB

362,400 P P B

ACNAP 1.5 mL 856013-A; 8,500,000

502,400

HMTN 3.5 mL 801215-A; 4,007,000

508,800

ZMETH 2.75 mL 801214-A; 3,371,000

370,800

ACNE 3 mL 856014-A; 7,500,000

600,000

FLA 1.4 mL 856015-A; 1,770,000

89,120

PHEN 0.2 mL 856021-A; 1,700,000

14,240

ANT 0.35 mL 856022-A; 1,070,000

14,100

25 mL ACN

- CCV SOLUTION #2, EPA 610

856812-A

TPN 2 mL 856013-A; 433,000 PB

166,600 PB

1,228,000

PVR 4 mL 801805-A; 206,000 V

10 mL ACN

105,600 3 PB

801,800

CCV SOLUTION #3, EPA 610

856813-A

FLNN 0.2 mL 801804-A

1,274,000 PB

1,717,000 PB

25,400

2,240

BAA 0.2 mL 801811-A

975,150

19,503

BBF 0.2 mL 801813-A

772,700

14,454

BAP 0.2 mL 856021-A

1,500,000

30,400

Read and Understood By

13

B. Johnson

Signed

1-13-93

Date

B. Johnson

Signed

1-15-93

Date

Continued on Page

001582

B2

PROJECT CCV STD (PAH) 015

Notebook No. 856813

Continued From Page 81

1-13-93			
- CCV Solution # 3C EPA 610			
856813-C			
100 mL of 856813A with 10 mL of ACN, elutes a new peak			
FLAN	25.440	25.440	25.440
BAA	19.523	19.523	19.523
DAE	14.454	14.454	14.454
DAP	30.400	30.400	30.400
10 mL ACN			
25 mL ACN			
3,400.2 PPE			
3,980.0			
856821-A			
CCV Solution # 4, EPA 610			
DBA	801821-A	455,400 PPE	02 mL
TDP	801823-A	497,500	02 mL
25 mL ACN			
3,400.2 PPE			
3,980.0			
856822-A			
Benz (g) Styrene, Ultra-Sensitive 0.3917-BW CV, 99.9%			
73 mg			
75 mL (STAIN 2.23)			
2,97,000 PPE			
~~856733-CZ~~			
~~BKF 856733-A 0.02 mL~~			
~~10 mL ACN~~			
~~512,000 PPE~~			
~~1-13-93~~			

Continued on Page

Read and Understood By		1-13-93	
Signed	Date	Signed	Date
<i>[Signature]</i>	1-13-93	<i>[Signature]</i>	1-15-93

001583

PROJECT CCV STA PAH 610

Notebook No. 810

Continued From Page 43

1-D-93
856773-C2BKF 856773-A 246,000 PPA x 0.2ML = 6,880 PPB
10ML A.M.

CCV SOLUTION #5 EPA 610

-856831-A

BKF 856732-A 188,160 PPA 0.6ML 5,144.8 PPB

BKF 856773-C2 9150 0.2ML 20ML 48.80

BKF 856822-A 292,000 V 0.1ML 1,460 ✓

Continued on Page

B. AL
Signed1-D-93
Date

Read and Understood By

B. AL
Signed15
1-13-93
B. AL
1-15-93

CCV	WORKING	STOCK	ERA	GID
- 856841-A				
856811	-A	2.5mL		
856812	-A	0.2mL		
856813	-C	2mL	25mL ACN	→ 856841-A
856821	-A	0.2mL		
856831	-A	25mL		

Continued on Page

						Continued on Page	
<u>B. John</u>		<u>1-13-93</u>	<u>B. Al</u>		<u>1-15-93</u>		
Signed		Date	Signed		Date		

48 365

NOTEBOOK 899

001587

PROJECT PAH STOCK SOLUTIONS

Notebook No. 299

Continued From Page

899241-A, NAPHTHALENE	ADmix LOT 18, 150-D 04018MY 37 91% Pure
76.6 mg in 25 mL ACN = 3064 mg/mL	
899242-A, ACENAPHTHYLENE	CHEM. SERVICE EXP 5/92 LOT 33-31B 97.7% Pure
47.0 mg in 25 mL ACN = 1880 mg/mL	
899243-A, ACENAPHTHENE	Chem. Service EXP 9/94 LOT 64-98A 99% Pure
54.3 mg in 25 mL ACN = 2172 mg/mL	
899244-A, FLUORENE	CHEM. SERVICE EXP 7/93 LOT 30-68 97.7% Pure
25.3 mg in 25 mL ACN = 1012 mg/mL	
899245-A, PHENANTHRENE	CHEM. SERVICE EXP 1/94 LOT 67- 99% Pure
25.6 mg in 25 mL ACN = 1024 mg/mL	
899246-A, ANTHRACENE	CHEM. SERVICE EXP 2/93 LOT 41-100 97.0% Pure
25.8 mg in 25 mL BENZENE/ACN = 1032 mg/mL	
899247-A, BENZO(K)FLUANTHRENE	Chem. Service EXP 2/91 LOT 70 99.0% Pure
5.3 mg in 10 mL ACETONE/ACN = 530 mg/mL	
899248-A, BENZO(a)PYRENE	ADmix 9/94, LOT 14706JT
5.2 mg in 10 mL BENZENE/ACN = 1030 mg/mL	

Continued on Page

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Robert C. Korman

Signed

12-17-92

Date

Robert C. Korman

Signed

12/17/92

Date

001588

PROJECT PAH

Continued From Page

899251-A	BENZO(A)FLUORANTHENE / BENZO(A)PYRENE	INTERMEDIATE
1.0 mL of 899247-A, BKF, 530 mg/mL		53 mg/mL
1.0 mL of 899248-A, BAF, 1030 mg/mL		103 mg/mL
899252-A, COMBINED PAH SPIKE SOLUTION, CONTAINS:		
0.8 mL of 899241-A, NAP, 3064 mg/mL		98 mg/mL
1.3 mL of 899242-A, ACNY, 1760		102
1.2 mL of 899243-A, ACNE, 2172		104
0.8 mL of 899244-A, FFL, 1012		32.4
1.3 mL of 899245-A, PHE, 1024		53.2
1.2 mL of 899246-A, ANT, 1032		17.5
0.5 mL of 899251-A, BKF/BAF 53/103		12.063
		BAF 11.063
899253-A, NAPHTHALENE		
75.4 mg in 25.0 mL ACN = 3016 mg/mL		ARRIVE LOT 18450-0 CHROMA XT 97.1% Pure
899254-A, ACENAPHTHYLENE		
48.7 mg in 25.0 mL ACN = 1948		CHROMA XT LOT 30-1718 77.5% Pure

Continued on Page

Read and Understood By

Signed Robert C. Kemp Date 12-17-92

Signed Robert J. Kelly Date 12-17-92

001589

PROJECT PAH

Continued From Page

899261-A, ACENAPHTENE

Chem Service Exp 7/94 Lot 62-24
97% Pure

56.0 mg in 25 mL ACN = 2240 mg/mL

899262-A, FLUORENE

Chem Service Exp 7/93 Lot 30-56
97% Pure

23.5 mg in 25 mL ACN = 940 mg/mL

899263-A, PHENANTHRENE

Chem Service Exp 7/94 Lot 61-23
Purity: 97%

30.4 mg in 25 mL ACN = 1216 mg/mL

899264-A, ANTHRACENE

Chem Service Exp 2/92 Lot 40-12
97.0% Pure

22.0 mg in 25 mL BENZENE/ACN = 880 mg/mL

BALANCES used for the above solutions preparation:

All primary stock solutions were prepared on the balance below, except for ANTRA
 Solutions made on AE/60 scale # 894287
 calibration date: 10-14-92
 Location: TECHNICAL/IC Lab

The Anthracene primary stock was prepared on the balance
 in the small lab used to do Water Quality extractions

Continued on Page

Read and Understood By

Robert C. Kerner
Signed12-17-92
DateSgt. M. Hill
Signed1/4/93
Date

001590

48 369

LABORATORY NOTEBOOK

Notebook No.: 00939

Assigned to: Ben Johnson

Date: 4/19/93

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Rochester, New York
Printed in U.S.A.

001591

5-19-93

939081-A ACETOPHENONE 95% PURITY ACT 84-62A CHROMATOPURITY 62-65
 $\frac{10.1 \text{ mg}}{10 \text{ mL}} \times 0.95 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{L}}{\text{m}^3} = 3,809,500 \frac{\text{mg}}{\text{m}^3}$

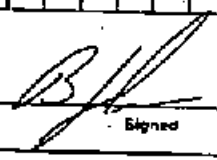
939082-A ACETOPHENONE 95% PURITY CHROMATOPURITY 107-61-410 EX-2226
 $\frac{45.7 \text{ mg}}{10 \text{ mL}} \times 0.95 \times 1000 \frac{\text{mg}}{\text{L}} = 4524.3 \frac{\text{mg}}{\text{L}}$

939083-A ACETOPHENONE ADDED WITH 059220V 98% EX-9-94
 $\frac{5.4 \text{ mg}}{10 \text{ mL}} \times 0.98 \times 1000 \frac{\text{mg}}{\text{L}} = 529.2 \frac{\text{mg}}{\text{L}}$

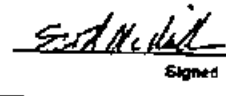
939084-A PIRENE CHROMATOPURITY 107-61-410 EX-1-96
 $\frac{12.9 \text{ mg}}{10 \text{ mL}} \times 0.98 \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{L}}{\text{m}^3} = 1,264,200 \frac{\text{mg}}{\text{m}^3}$

939085-A ACETOPHENONE ADDED WITH 059220V 98% EX-11-96
 $\frac{5.1 \text{ mg}}{5 \text{ mL}} \times 1000 \frac{\text{mg}}{\text{L}} \times 1000 \frac{\text{L}}{\text{m}^3} \times 0.98 = 99,960 \frac{\text{mg}}{\text{m}^3}$

Continued on Page


Signed

5-19-93
Date

Read and Understood By

Signed

5/24/93
Date

PROJECT 610 572Notebook No. 610Continued From Page 5

5-20-93

939091 - A

-NAP 848253A 3,016,000 $\mu\text{g}/\text{h}$ $3 \frac{1}{2} \text{ mL} = 361,120$ μg -NAP 939081A 3,809,500 $\mu\text{g}/\text{h}$ $4 \frac{1}{2} \text{ mL} = 609,520$ -1 Met 856713A 1,864,000 $\mu\text{g}/\text{h}$ $3 \frac{1}{2} \text{ mL} = 586,680$ -2 Met 856744A 3,877,600 $\mu\text{g}/\text{h}$ $3 \frac{1}{2} \text{ mL} = 400,521.6$ -NAC 939082A 1,524,300 $\mu\text{g}/\text{h}$ $5 \frac{1}{2} \text{ mL} = 904,860$ -FLU 849212A 940,000 $\mu\text{g}/\text{h}$ $2 \frac{1}{2} \text{ mL} = 94,000$ -TRN 939083A 529,200 $\mu\text{g}/\text{h}$ $1 \frac{1}{2} \text{ mL} = 21,180$ -PREN 849263A 1,216,000 $\mu\text{g}/\text{h}$ $0 \frac{1}{2} \text{ mL} = 24,320$ -ANT 899264A 889,000 $\mu\text{g}/\text{h}$ $1 \frac{1}{2} \text{ mL} = 35,200$ -PYR 939084A 1,264,200 $\mu\text{g}/\text{h}$ $0 \frac{1}{2} \text{ mL} = 10,118.6$ V

Continued on Page

1/93
DateB/L
Signed5-19-93
Date

Read and Understood By

S. McQuinn
Signed5/24/93
Date

001593

939101-A Dioxin (AR) ANALYSIS: 1,000,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 200,000 \text{ ng/L}$ (200,000 ng/L) $\frac{0.2 \text{ mL}}{1 \text{ L}} = 20,000 \text{ ng/L}$ (20,000 ng/L)

100,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 20,000 \text{ ng/L}$ (20,000 ng/L)

939102-A Benz (B) ANALYSIS: 6,000,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 1,200,000 \text{ ng/L}$ (1,200,000 ng/L)

6,000,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 1,200,000 \text{ ng/L}$ (1,200,000 ng/L)

939103-A Benz (G) ANALYSIS: 8,000,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 1,600,000 \text{ ng/L}$ (1,600,000 ng/L)

8,000,000 $\frac{0.2 \text{ mL}}{1 \text{ L}} = 1,600,000 \text{ ng/L}$ (1,600,000 ng/L)

Continued on Page

B. J.
Signed

5-20-93
Date

Read and Understood By

Scott McAll
Signed

5/24/93
Date

939NI-A

(a-18-a)

FAN 856721-A 344,400 cfm 0.2 m/sec = 3,410

BAA 856731-A 341,300 cfm 0.2 m/sec = 3,073.2

BAF 856705-A 289,100 cfm 0.2 m/sec = 2,891

BAP 856723-A 276,300 cfm 0.2 m/sec = 2,763.2

IDP 856701-A 500,000 cfm 0.2 m/sec = 5,000

Continued on Page



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5-20-93

Date

Read and Understood By



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5/24/93

Date

001595

PROJECT

610 ST12

Notebook No. 989

Continued From Page 11

520-0
939121-A

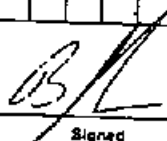
The following Stock CAN STANDARDS WERE MADE.

939085A	0.6mL
939091A	5mL
939101A	2.5mL
939102A	5mL
939103A	1mL
939111A	1mL

50 ml
ACUSEE NEXT
PAGE FOR
CONCENTRATIONS

* SEE PAGE 13 FOR CALCULATION OF INDIVIDUAL
ANALYTES IN THIS STANDARD THIS PAGE
IS TOO SMALL.

Continued on Page



Signed

5-20-93

Date

Read and Understood By



Signed

5/24/93

Date

001596

PROJECT C10 STD 934121-A
CALCULATION OF CONCENTRATIONS

Notebook No. 939

Continued From Page 72

1. NAD	361,920	100%			361,920
2. NAD	609,520	100%	x	5mL	609,520
3. LAT	586,680		x	5mL	586,680
4. MIT	460,520		x	5mL	460,520
5. ACW	904,810		x	5mL	904,810
6. FUL	94,000		x	5mL	94,000
7. PHS	24,310		x	5mL	2,432
8. ANT	35,200		x	5mL	3,520
9. FAN	3,410		x	1mL	68.2
10. PIR	10,100		x	5mL	101.036
11. BAA	3,072		x	3mL	66.464
12. CAT	99,910		x	0.5mL	1,199.52
13. BBE	2,891		x	1mL	57.82
14. BKE	152		x	5mL	15.2
15. BAP	2,783.2		x	1mL	55.164
16. DBA	2,000		x	2.5mL	100
17. BIC	8,000		x	1mL	160
18. IDP	5,000		x	1mL	100
19. TBN	21,169		x	5mL	2116.896

age

24/93

Date

Signed

5-11-93

Date

Read and Understood By

S. A. McMillan

Signed

5/24/93

Date

001597

PROJECT DILUTIONS of 939121-A 602 STANDARD

Continued From Page 12

S-20-93

The following dilutions were made of
Standard 939121-A using 0.2% A.C.H.

mg 939121-A / final volume / A.C.H.

939121-A5

5 mL / 10 mL

939121-B2

2 mL / 10 mL

939121-B

2 mL / 20 mL

939121-C2

0.2 mL / 10 mL

939121-C

0.1 mL / 10 mL

939121-D5

0.05 mL / 10 mL

Continued on Page

D/L

Signed

S-20-93

Date

Read and Understood By

E. C. K. K.

Signed

S-25-

Da

001598

PROJECT TRIPHENYLENE SPIKE SURDATE 8310Continued From Page 1

10-5-93

939271-A ~~TANDEM~~ ALDRIN ~~DATE~~ 85 9224V, 98%

9.5mg

98% = 931,000 mg

100% (19mL CH₂OH/1mL D)

BITE 10-5-93

939271-A

ALDRIN ~~DATE~~ 85 9224V, 98%

9.5mg

20mL (19mL CH₂OH/1mL D) = 465,500 mg

939271-C2

465,500 mg ALDRIN 939271-A = 9310 mg
10mL CH₂OH

Continued on Page

Read and Understood By

Signed

10-22-93

Date

Signed

10/22/93

Date

001599

STANDARD LABELING CONVENTION AND ASSOCIATED
DILUTION CODES

All standard solutions used by the HPLC group have the following characteristic nomenclature:

First three digits - ESE laboratory notebook number

Next two digits - page number in the lab notebook
(pages 1-9 are recorded as 01-09)

Last digit - sequence number on the notebook page

The six digit code is followed by a hyphen and a dilution code and multiplier (if required). The dilution codes are based on factors of 10 as the alphabetic character advances. All "A" dilution codes designate a primary stock standard, or the most concentrated combined stock in a series. "B", "C", and "D" designate 1:10, 1:100, and 1:1000 dilutions of the "A" stock, respectively. The last character, a multiplier, is used to denote dilutions which are not a factor of 10 dilution of the primary solution.

EXAMPLE: STD# 888097-C5, preparation documented in lab notebook number 888 on page 9 as the seventh standard listed on the page. "C5" denotes a 1:20 dilution of the "A" stock (1:100 x 5)

Certificate of Analysis

INVOICE #: CS187041

CATALOG #: FB2MS

DESCRIPTION: 1,2:5,6-Dibenzanthracene

LOT #: 90-85B

EXPIRATION DATE: 7/94

PO #: 32049-403

LAB #: 55-78-3

Chem Service, Inc. guarantees the concentration of FB2MS is 100ug/ml
+/- 2% in Methanol.

Determined by either GC/FID, GC/TCD or GC/ECD.

Our standards are suitable for use with all EPA methods.

Weights of analytes less than 98% are corrected for impurities.

CERTIFIED BY:

Kimberly Bunting
KIMBERLY BUNTING
TECHNICAL CONSULTANT

CHEM SERVICE, INC.

660 TOWER LANE

P.O. BOX 3108

WEST CHESTER, PA, 19381-3108

(215) 692-3026 FAX (215) 692-8729

001601

Certificate of Analysis

INVOICE #: CS187841

CATALOG #: F83MS

DESCRIPTION: Indeno(1,2,3-*C,D*)pyreneLOT #: 90313EXPIRATION DATE: 5/94

PO #: 38849-483

CAS #: 193-39-5

Chem Service, Inc. guarantees the concentration of F83MS is 100ug/ml
+/- 2% in Methanol.

Determined by either GC/FID, GC/TCD or GC/ECD.

Our standards are suitable for use with all EPA methods.

Weights of analytes less than 98% are corrected for impurities.

CERTIFIED BY:

Kimberly Bunting
KIMBERLY BUNTING
TECHNICAL CONSULTANT

CHEM SERVICE, INC.

660 TOWER LANE

P.O. BOX 3108

WEST CHESTER, PA, 19381-3108

(215) 692-3025 FAX (215) 692-8729

001602

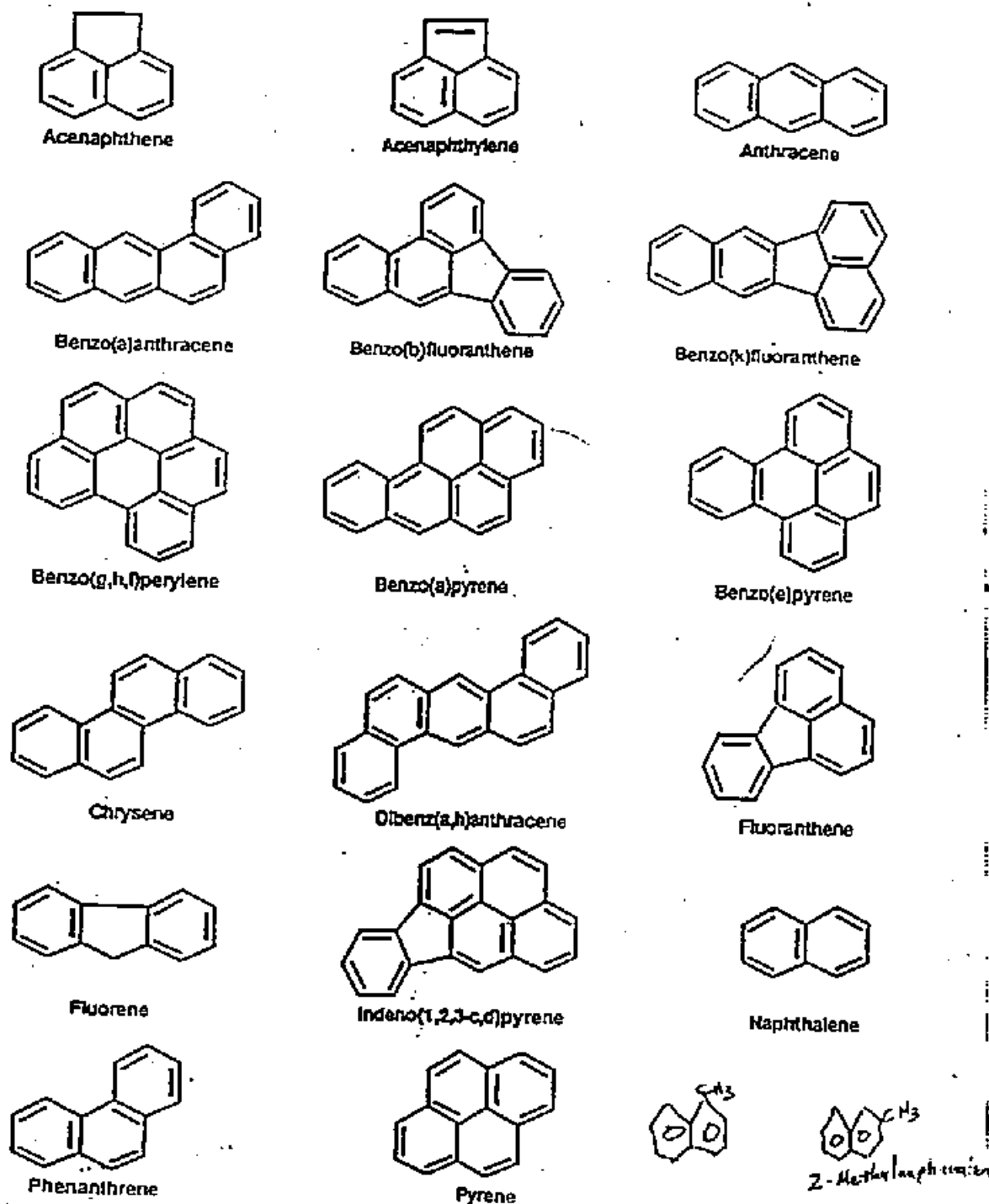


FIGURE 1.0 RING STRUCTURE OF SELECTED PAHs.

PAH VERIFICATION STANDARD PREPARATION D

856841-A

NAME	SOCK#	PREP. DATE	CON. UG/ML
NAPH	856012-A	2-6-92	3020
ACAP	856013-A	2-6-92	8540
1-MT	801245-A	5-20-91	4027
2-MT	801246-A	5-20-91	3371
ACNE	856014-A	2-6-92	7500
FLUR	856015-A	2-6-92	1770
TPN	856734-A	1-10-93	833
PHEN	856021-A	2-7-92	1780
ANTH	856022-A	2-7-92	1070
FLAN	801804-A	11-22-91	1274
PYRN	801805-A	11-22-91	264
BAA	801811-A	11-22-91	975
CRY	856733-A	1-10-93	188
BBF	801813-A	11-22-91	723
BKF	856773-A	1-12-93	304
BAP	856024-A	2-7-92	1520
DBA	801821-A	11-22-91	455
BIP	856822-A	1-13-93	292
IDP	801823-A	11-22-91	498

PAH STANDARD PREPARATION DATE OF STOCKS

939121-A

NAME	MFG.	LOT#	SOCK#	PREP. DATE	EXP. DATE	CON. UG/ML
NAPH	ALDRICH	04018HV	899253-A	12-17-92	12-93	3016
ACAP	C. SERVICE	84-62A	939081-A	5-19-93	5-94	3810
1-MT	ALDRICH	03410BP	856713-A	1-7-93	1-94	4864
2-MT	ALDRICH	0040687	856714-A	1-7-93	1-94	3838
ACNE	C. SERVICE	102-648	939082-A	5-19-93	5-94	4524
FLUR	C. SERVICE	30-66	899262-A	12-17-92	12-93	940
TPN	ALDRICH	05922CV	939083-A	5-19-93	5-94	529
PHEN	C. SERVICE	62-23A	899263-A	12-17-92	12-93	1216
ANTH	C. SERVICE	41-120B	899264-A	12-17-92	12-93	880
FLAN	ALDRICH	026010K	856721-A	1-8-93	1-94	341
PYRN	C. SERVICE	100-25A	939084-A	5-19-93	5-94	1264
BAA	C. SERVICE	45-68B	856731-A	1-12-93	1-94	307
CRY	ALDRICH	01221JJ	939085-A	5-19-93	5-94	100
BBF	C. SERVICE	30-68	856705-A	1-6-93	1-94	289
BKF	C. SERVICE	30-70	856772-A	1-12-93	1-94	304
BAP	ALDRICH	14708JY	856723-A	1-8-93	1-94	278
DBA	C. SERVICE	90-858	CSRY9085B	5-19-93	5-94	2
BIP	NSI	77-01-03	939103-A	5-19-93	5-94	8
IDP	NSI	81-3-1	939111-A	5-19-93	5-94	500

001604

PAH STANDARD CONCENTRATION WORKSHEET

939121-A

NAME	CON. µg/L	B5	B2	B	C2	C	D5
NAP	36192.000	18096.000	7239.400	3619.200	723.840	361.920	180.960
ANAP	60952.000	30476.000	12190.400	6095.200	1219.040	609.520	304.760
NET-1	58668.000	29334.000	11733.600	5866.800	1173.360	586.680	293.340
NET-2	46052.000	23026.000	9210.400	4605.200	921.040	460.520	230.260
ACNE	90486.000	45243.000	18097.200	9048.600	1809.720	904.860	452.430
FLU	9400.000	4700.000	1880.000	940.000	188.000	94.000	47.000
TPN	2116.800	1058.400	423.360	211.680	42.336	21.168	10.584
PHEN	2432.000	1216.000	486.400	243.200	48.640	24.320	12.160
ANT	3520.000	1760.000	704.000	352.000	70.400	35.200	17.600
FLAN	68.200	34.100	13.640	6.820	1.364	0.682	0.341
PYR	1011.350	505.680	202.272	101.136	20.227	10.114	5.057
BAA	61.464	30.732	12.293	6.146	1.229	0.615	0.307
CRY	1199.520	599.760	239.904	119.952	23.990	11.995	5.998
BBF	57.820	28.910	11.564	5.782	1.156	0.578	0.289
BKF	15.200	7.600	3.040	1.520	0.304	0.152	0.076
BAP	55.664	27.832	11.133	5.566	1.113	0.557	0.278
DBA	100.000	50.000	20.000	10.000	2.000	1.000	0.500
BTP	160.000	80.000	32.000	16.000	3.200	1.600	0.800
IDP	100.000	50.000	20.000	10.000	2.000	1.000	0.500

001605

B-0096

48 384

HIGH PRESSURE LIQUID CHROMATOGRAPHY SYSTEM DESCRIPTION

LAB 1816 SYSTEM NUMBER 1

I. SOLVENT DELIVERY SYSTEM

PUMP A SHIMADZU LC-6A SERIAL NUMBER 70876DN

PUMP B SHIMADZU LC-6A SERIAL NUMBER 70989DN

II. INJECTION SYSTEM

SYSTEM CONTROLLER SHIMADZU SCL-6A SERIAL NUMBER 74619LP

AUTO INJECTOR SHIMADZU SIL-6A SERIAL NUMBER 73181KG

III. DETECTION SYSTEM

UV SPECTROPHOTOMETER SPD-6AV SERIAL NUMBER 73945LP

FLUORESCENCE MONITOR RF535 SERIAL NUMBER 1251157

001606

11-22 644580
13-44 644581
47-77 644582

48 385



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CHROMATOGRAPHIC ANALYSIS LOG

Date 11-24-93 COLUMN VYDAC ODS INJECTOR Autosampler or Manual? SL6A
 Analyst B. Johnson, 2153 Length x I.D. (mm) 250 X 4.6 Inj Vol (μL) 25
 Project PAH's in H₂O dp 5 Temp °C 32 Sequence File IAUF.SEG
 Case/Method REU/ID /PAH/4/12* Serial No. 90429-7-2#554 920909 DETECTOR
 Instrument ID SEE COVER GUARD COLUMN VIAL 1 GCNFS + UV at 254 nm - CLA
 Data System NELSON 2700 Packing EMULSION VIAL ODS Other CLA = FLUORESCENCE
 Analysis Type PAH H₂O Col # / Date 11-7-93 A = 250 nm = EX
A = 239 nm = EM

Mobile Phase/Gradient Program Description Pump A = CH₃CN Pump B = H₂O

TIME	FUNCTION	VALUE	TOTAL FLOW
0	START	50	1 mL/min
30		0	
45		50	
53	STOP	-	

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
01	CH ₃ CN	27	SPM2 + CDDMTW * 43 1:20	53	CH ₃ CN
02	↓	28	CDDMTW * 43	54	IGPE125A * 3
03	STANDARD 939121-05	29	* 4	55	* 4
04	- C	30	* 5	56	* 5
05	- C2	31	* 7	57	* 6
06	- B	32	* 8	58	↓ * 9
07	- B2	33	* 13	59	CCS * 939121-05 * 6
08	- B5	34	↓ * 14	60	IGPE125A * 10
09	↓ - A	35	CCS * 939121-05 * 3	61	11
10	ICV * 856841-B * 1	36	CDDMTW * 23	62	12
11	MB NONE 1	37	* 24	63	13
12	SPI - NONE 1 1:20	38	* 25	64	14
13	SPM1 - CDDMTW * 3 1:20	39	* 29	65	15
14	SPM2 - CDDMTW * 3 1:20	40	* 35	66	17
15	CDDMTW * 3	41	* 38	67	19
16	* 16	42	* 39	68	20
17	* 26	43	↓ * 44	69	21
18	↓ * 36	44	CCS * 939121-05 * 4	70	↓ 24
19	CH ₃ CN	45	CDDMTW * 13 1:25	71	CCS * 939121-05 * 7
20	CDDMTW * 41	46	CCS * 939121-05 * 5	72	CCS * 939121-05 * 8
21	↓ * 42	47	MB - NONE 1		
22	CCS * 939121-05 * 1	48	SPI - NONE 1 1:20		
23	CCS * 939121-05 * 2	49	SPM1 - IGPE125A * 8 1:20		
24	MB * NONE 1	50	SPM2 - IGPE125A * 9 1:20		
25	SPI * NONE 1 1:20	51	IGPE125A * 8 1:20		
26	SPM1 * CDDMTW * 43 1:20	52	IGPE125A * 8 1:1		

continued
next page
page 49

001607

F2-66750

CHROMATICS

78-87 G44583 112-125 G44586
88-100 G44584 126-149 G44587
101-111 G44585

48 386



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CHROMATOGRAPHIC ANALYSIS LOG

* Continued from page 48 *

Date <u>11-28-93</u>	COLUMN Packing _____	INJECTOR _____
Analyst _____	Length x I.D. (mm) _____	Autosampler or Manual? _____
Project _____	dp _____ Temp °C _____	Inj Vol (µL) _____
Case/Method _____	Serial No. _____	Sequence File <u>IAUF.SEC</u>
Instrument ID _____	GUARD COLUMN _____	DETECTOR <u>Continued from p. 48</u>
Data System _____	Packing _____	UV at _____ nm
Analysis Type _____	Col # / Date _____	Other _____

Mobile Phase/Gradient Program Description Pump A • _____ Pump B • _____

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
72	CCS#93121-85#8	98	PCBGWS#10	124	CCS#93121-85#16
73	SPM2-IGPE115A#1 1:20	99	11	125	CH3CN
74	IGPE115A#9 1:20	100	12	126	CCS#93121-85#17
75	*11 1:50	101	CCS#93121-85#13	127	MB-NONE-1
76	*12 1:20	102	MB-NONE-1	128	SPI-NONE-1 1:20
77	CCS#93121-85#9	103	SPI-NONE-1 1:20	129	SPM1-CDDMTW#33 1:20
78	CCS#93121-85#10	104	SPM1-ALDSL#1 1:20	130	SPM2-CDDMTW#33 1:20
79	MB-NONE-1	105	SPM2-ALDSL#1 1:20	131	CDDMTW#33
80	SPI-NONE-1 1:20	106	ALDSL#1	132	*19
81	SPM1-PCBGWS#9 1:20	107	SPM1-ALDSL#1 1:50D	133	*20
82	SPM2-PCBGWS#9 1:20	108	SPM2-ALDSL#1 1:50D	134	*28
83	PCBGWS#9	109	ALDSL#1 1:25	135	CCS#93121-85#18
84	*1	110	CCS#93121-85#14	136	CDDMTW#30
85	*2	111	CCS#93121-85#15	137	*31
86	*5	112	MB-NONE-1	138	*34
87	CCS#93121-85#11	113	SPI-NONE-1 1:20	139	*49
88	CCS#93121-85#12	114	SPM1-XBEGW#43 1:20	140	*49
89	MB-NONE-1	115	SPM2-XBEGW#43 1:20	141	*50
90	SPI-NONE-1 1:20	116	XBEGW#43 *3	142	*51
91	SPM1-PCBGWS#10 1:20	117	*2	143	IGPE189A#4
92	SPM2-PCBGWS#10 1:20	118	*5	144	*16
93	PCBGWS#3	119	*21	145	*14
94	*4	120	*22	146	*15
95	*6	121	*45	147	*16
96	*7	122	RMM#12 *1	148	*17
97	*8	123	*2	149	CCS#93121-85#19

001608

F26550

000049

150-171 G44588
171-178 G44597180-189 G44730
200-208 G44731Environmental
Science &
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CHROMATOGRAPHIC ANALYSIS LOG

Continued from pages 48 & 49

Date 12-4-93

Analyst

Project

Case/Method

Instrument ID

Data System

Analysis Type

COLUMN

Packing

Length x I.D. (mm)

dp Temp°C

Serial No.

GUARD COLUMN

Packing

Col # / Date

INJECTOR

Autosampler or Manual?

Inj Vol (µL)

Sequence File LAUF_SEQ

DETECTOR

UV at

Other

Continued from
pages 48 & 49

Mobile Phase/Gradient Program Description Pump A

Pump B

Run No.	Sample No.	Run No.	Sample No.	Run No.	Sample No.
150	CCS*939121-B5*20	176	CDDMTW*37	202	SPM1/CDDMTW*10 1:20
151	MB*NONE*1	177	↓ *22	203	SPM2* CDDMTW*10 1:20
152	SP1*NONE*1 1:20	178	CCS*939121-B5*23	204	CDDMTW*10
153	SPM1/CDDMTW*15 1:20	179	CCS*939121-B5*24	205	9
154	SPM2/CDDMTW*15 1:20	180	MB*NONE*1	206	11
155	CDDMTW * 15	181	SP1*NONE*1 1:20	207	12
156	* 6	182	SPM1*GP132C*7 1:20	208	CCS*939121-B5*27
157	* 21	183	SPM2*GP132C*7 1:20	209	CCS*939121-B5-TE
158	* 32	184	GP132C *7		B5 12-7-93
159	* 40	185	*1		
160	* 45	186	*2		
161	* 46	187	*5		
162	↓ * 47	188	↓ *6		
163	CCS*939121-B5*21	189	CCS*939121-B5*25		
164	IGPE189A*3	190	GP132C *8		
165	*5	191	9		
166	*7	192	10		
167	*9	193	11		
168	*11	194	12		
169	*12	195	13		
170	↓ *6 1:25	196	15		
171	CCS*939121-B5*22	197	16		
172	MB*NONE*1	198	6 1:10		
173	SP1*NONE*1 1:20	199	CCS*939121-B5*26		
174	SPM1/CDDMTW*15 1:20	200	MB*NONE*1		
175	SPM2/CDDMTW*15 1:20	201	SP1*NONE*1 1:20		

001609

F288280

ERROR CORRECTION CODES

CODE	EXPLANATION
WP	Entry Made In Wrong Place
WI	Wrong Information Recorded
CE	Calculation Error
SE	Spelling Error
IW	Illegible Writing Error
FO	Data Changed Upon Further Observation
TE	Transcription Error
FE	Further Explanation Provided

SEMIVOLATILE ORGANICS - 8270 + CLOROACETOPHENONE

001611

SEMIVOLATILE ORGANICS - 8270 + CLOROACETOPHENONE

SDG No. G45214

001612

ANALYTICAL DATA

001613

COVER PAGE

Lab Name: ESE

Project No.: 7934082G

SDG No: G45214

Client ID	Laboratory ID	Matrix (S/W)	Analysis	Date Collected	Date Received	Date Analyzed
SP1	SP1*1118*1	W	PHENOL	00/00/00	00/00/00	12/15/93
MW9	CDDMTW*9	W	PHENOL	11/15/93	11/16/93	12/15/93
MW10SP	CDDMTW*10	W	PHENOL	11/11/93	11/12/93	12/15/93
MW11	CDDMTW*11	W	PHENOL	11/13/93	11/15/93	12/16/93
MW11MS	SPM1*CDDMTW*	W	PHENOL	11/13/93	11/15/93	12/16/93
MW11MSD	SPM2*CDDMTW*	W	PHENOL	11/13/93	11/15/93	12/16/93
PBLK1	MB*1118*1	W	PHENOL	00/00/00	00/00/00	12/16/93
MW12SP	CDDMTW*12	W	PHENOL	11/11/93	11/12/93	12/16/93

Comments:

ANALYSIS DATA SHEET

PBLK1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: MB*1118*1
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	2.0 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	2.0 U
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	1.0 U
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	1.0 U
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	1.0 U
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	2.0 U
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL' PHENOL (UG/L)	3.0 U

ANALYSIS DATA SHEET

PBLK1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: MB*1118*1
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	1.0 U
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	10.0 U
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	2.0 U
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	10.0 U
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	1.0 U
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

ANALYSIS DATA SHEET

PBLK1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
Matrix: (soil/water) WATER Lab Sample ID: MB*1118*1
Sample wt/vol: . Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/16/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) _	3.0 U
56-55-3	BENZO(A)ANTHRACENE (UG/L) _	1.0 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	1.0 U
218-01-9	CHRYSENE (UG/L) _	1.0 U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) _	2.0 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) _	1.5 U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) _	1.5 U
50-32-8	BENZO(A)PYRENE (UG/L) _	2.0 U
193-39-5	INDENO(1,2,3-CD) PYRENE {	2.5 U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) _	2.5 U
191-24-2	BENZO(GHI)PERYLENE (UG/L) _	2.5 U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0 U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
Matrix: (soil/water) WATER Lab Sample ID: SP1*1118*1
Sample wt/vol: Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/15/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	79.
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	76.
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	31.
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	28.
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH'BENZENE (UG/L)	34.
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	85.
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL'PHENOL (UG/L)	3.0 U

Client ID

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SP1*1118*1
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L) _____	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L) _____	1.0 U
88-74-4	2-NITROANILINE (UG/L) _____	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L) _____	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L) _____	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L) _____	2.0 U
99-09-2	3-NITROANILINE (UG/L) _____	2.0 U
83-32-9	ACENAPHTHENE (UG/L) _____	37.
51-28-5	2,4-DINITROPHENOL (UG/L) _____	30. U
100-02-7	4-NITROPHENOL (UG/L) _____	82.
132-64-9	DIBENZOFURAN (UG/L) _____	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L) _____	36.
84-66-2	DIETHYLPHTHALATE (UG/L) _____	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L) _____	1.0 U
100-01-6	4-NITROANILINE (UG/L) _____	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L) _____	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L) _____	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L) _____	99.
85-01-8	PHENANTHRENE (UG/L) _____	1.0 U
120-12-7	ANTHRACENE (UG/L) _____	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L) _____	1.0 U
206-44-0	FLUORANTHENE (UG/L) _____	1.0 U
129-00-0	PYRENE (UG/L) _____	49.
85-68-7	BUTYLBENZYLPHTHALATE (UG/L) _____	1.5 U

ANALYSIS DATA SHEET

SP1

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SP1*1118*1
 Sample wt/vol: . Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 00/00/00

CAS NO.	COMPOUND	Q	
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) _	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) _	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	2.3	
218-01-9	CHRYSENE (UG/L) _	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) _	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) _	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) _	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) _	2.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) _	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) _	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

ANALYSIS DATA SHEET

MW9

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*9
 Sample wt/vol: . Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 11/16/93

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	2.0 U
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	2.0 U
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	1.0 U
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	1.0 U
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	1.0 U
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	2.0 U
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL' PHENOL (UG/L)	3.0 U

Client ID

ANALYSIS DATA SHEET

MW9

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*9
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 11/16/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	1.0 U
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	10.0 U
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	2.0 U
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	10.0 U
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	1.0 U
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

Client ID

ANALYSIS DATA SHEET

MW9

Lab Name: ESE Project No.: 7934082G SDG No.: G45214

Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*9

Sample wt/vol: Lab File ID:

%Moisture: pH: Dilution Factor: 1.00

Date Analyzed: 12/15/93 Date Received: 11/16/93

CAS NO.	COMPOUND	Q	
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) —	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) —	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	3.6	
218-01-9	CHRYSENE (UG/L) —	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) —	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) —	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) —	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) —	2.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) —	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) —	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

ANALYSIS DATA SHEET

MW10SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*10
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	4.3
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	2.0 U
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	1.0 U
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	1.0 U
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	1.0 U
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	2.0 U
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL' PHENOL (UG/L)	3.0 U

ANALYSIS DATA SHEET

MW10SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*10
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	1.0 U
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	10.0 U
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	2.0 U
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	10.0 U
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	1.0 U
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

Client ID

ANALYSIS DATA SHEET

MW10SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*10
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/15/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) —	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) —	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	5.2	
218-01-9	CHRYSENE (UG/L) —	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) —	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) —	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) —	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) —	2.0	U
193-39-6	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) —	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) —	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

Client ID

ANALYSIS DATA SHEET

MW11

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q	
108-95-2	PHENOL (UG/L)	2.0	U
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0	U
95-57-8	2-CHLOROPHENOL (UG/L)	2.0	U
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0	U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	1.0	U
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0	U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0	U
95-48-7	2-METHYL PHENOL (UG/L)	2.0	U
106-44-5	4-METHYL PHENOL (UG/L)	2.0	U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0	U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	1.0	U
67-72-1	HEXACHLOROETHANE (UG/L)	1.0	U
98-95-3	NITROBENZENE (UG/L)	1.0	U
78-59-1	ISOPHORONE (UG/L)	1.0	U
88-75-5	2-NITROPHENOL (UG/L)	2.0	U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0	U
65-85-0	BENZOIC ACID (UG/L)	5.0	U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0	U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	1.0	U
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0	U
91-20-3	NAPHTHALENE (UG/L)	1.0	U
106-47-8	4-CHLOROANILINE (UG/L)	3.0	U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0	U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	2.0	U
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0	U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0	U
88-06-2	2,4,6-TRICHL'PHENOL (UG/L)	3.0	U

ANALYSIS DATA SHEET

MW11

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*11
Sample wt/vol: Lab File ID:
%Moisture: pH: Dilution Factor: 1.00
Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	1.0 U
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	10.0 U
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	2.0 U
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	10.0 U
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	1.0 U
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

ANALYSIS DATA SHEET

MW11

Lab Name: ESE

Project No.: 7934082G

SDG No.: G45214

Matrix: (soil/water) WATER

Lab Sample ID: CDDMTW*11

Sample wt/vol: .

Lab File ID:

%Moisture:

pH:

Dilution Factor: 1.00

Date Analyzed: 12/16/93

Date Received: 11/15/93

CAS NO.

COMPOUND

Q

91-94-1	3,3'-DICHL'BENZIDINE (UG/L) _	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) _	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	2.8	
218-01-9	CHRYSENE (UG/L) _	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) _	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) _	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) _	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) _	2.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) _	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) _	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

ANALYSIS DATA SHEET

Client ID

MW11MS

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	81.
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	84.
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	34.
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	30.
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH'BENZENE (UG/L)	34.
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	91.
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL'PHENOL (UG/L)	3.0 U

ANALYSIS DATA SHEET

Client ID

MW11MS

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	37.
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	87.
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	43.
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	94.
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	43.
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

Client ID

ANALYSIS DATA SHEET

MW11MS

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM1*CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) _____	3.0 U
56-55-3	BENZO(A)ANTHRACENE (UG/L) _____	1.0 U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT _____	2.7
218-01-9	CHRYSENE (UG/L) _____	1.0 U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) _____	2.0 U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) _____	1.5 U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) _____	1.5 U
50-32-8	BENZO(A)PYRENE (UG/L) _____	2.0 U
193-39-5	INDENO(1,2,3-CD) PYRENE (_____	2.5 U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) _____	2.5 U
191-24-2	BENZO(GHI)PERYLENE (UG/L) _____	2.5 U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/ _____	2.0 U

ANALYSIS DATA SHEET

Client ID

MW11MSD

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM2*CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
108-95-2	PHENOL (UG/L)	73.
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0 U
95-57-8	2-CHLOROPHENOL (UG/L)	78.
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0 U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	35.
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0 U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0 U
95-48-7	2-METHYL PHENOL (UG/L)	2.0 U
106-44-5	4-METHYL PHENOL (UG/L)	2.0 U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0 U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	31.
67-72-1	HEXACHLOROETHANE (UG/L)	1.0 U
98-95-3	NITROBENZENE (UG/L)	1.0 U
78-59-1	ISOPHORONE (UG/L)	1.0 U
88-75-5	2-NITROPHENOL (UG/L)	2.0 U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0 U
65-85-0	BENZOIC ACID (UG/L)	5.0 U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0 U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	34.
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0 U
91-20-3	NAPHTHALENE (UG/L)	1.0 U
106-47-8	4-CHLOROANILINE (UG/L)	3.0 U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0 U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	69.
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0 U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0 U
88-06-2	2,4,6-TRICHL'PHENOL (UG/L)	3.0 U

ANALYSIS DATA SHEET

MW11MSD

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM2*CDDMTW*11
 Sample wt/vol: . Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHLOROPHENOL (UG/L)	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L)	1.0 U
88-74-4	2-NITROANILINE (UG/L)	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L)	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L)	2.2
606-20-2	2,6-DINITROTOLUENE (UG/L)	2.0 U
99-09-2	3-NITROANILINE (UG/L)	2.0 U
83-32-9	ACENAPHTHENE (UG/L)	19.
51-28-5	2,4-DINITROPHENOL (UG/L)	30. U
100-02-7	4-NITROPHENOL (UG/L)	96.
132-64-9	DIBENZOFURAN (UG/L)	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L)	47.
84-66-2	DIETHYLPHTHALATE (UG/L)	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L)	1.0 U
100-01-6	4-NITROANILINE (UG/L)	3.0 U
86-30-6	N-NITROSODIPHENYLAMINE (UG/L)	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L)	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L)	69.
85-01-8	PHENANTHRENE (UG/L)	1.0 U
120-12-7	ANTHRACENE (UG/L)	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L)	1.0 U
206-44-0	FLUORANTHENE (UG/L)	1.0 U
129-00-0	PYRENE (UG/L)	13.
85-68-7	BUTYLBENZYLPHTHALATE (UG/L)	1.5 U

ANALYSIS DATA SHEET

MW11MSD

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: SPM2*CDDMTW*11
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/15/93

CAS NO.	COMPOUND	Q	
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) —	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) —	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	5.6	
218-01-9	CHRYSENE (UG/L) —	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) —	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) —	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) —	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) —	2.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) —	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) —	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

Client ID

ANALYSIS DATA SHEET

MW12SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*12
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
108-95-2	PHENOL (UG/L)	2.0	U
111-44-4	BIS(2-CHLOROETHYL) ETHER (U	1.0	U
95-57-8	2-CHLOROPHENOL (UG/L)	2.0	U
541-73-1	1,3-DICHLOROBENZENE (UG/L)	1.0	U
106-46-7	1,4-DICHLOROBENZENE (UG/L)	1.0	U
95-50-1	1,2-DICHLOROBENZENE (UG/L)	1.0	U
100-51-6	BENZYL ALCOHOL (UG/L)	2.0	U
95-48-7	2-METHYL PHENOL (UG/L)	2.0	U
106-44-5	4-METHYL PHENOL (UG/L)	2.0	U
39638-32-9	BIS(2-CHL'ISOPROPYL) ETHER (U	1.0	U
621-64-7	N-NITROSODI-N-PROPYLAMINE (UG	1.0	U
67-72-1	HEXACHLOROETHANE (UG/L)	1.0	U
98-95-3	NITROBENZENE (UG/L)	1.0	U
78-59-1	ISOPHORONE (UG/L)	1.0	U
88-75-5	2-NITROPHENOL (UG/L)	2.0	U
105-67-9	2,4-DIMETHYLPHENOL (UG/L)	2.0	U
65-85-0	BENZOIC ACID (UG/L)	5.0	U
111-91-1	BIS(2-CHLOROETHOXY) METHANE	1.0	U
120-82-1	1,2,4-TRICH' BENZENE (UG/L)	1.0	U
120-83-2	2,4-DICHLOROPHENOL (UG/L)	2.0	U
91-20-3	NAPHTHALENE (UG/L)	1.0	U
106-47-8	4-CHLOROANILINE (UG/L)	3.0	U
87-68-3	HEXACHLOROBUTADIENE (UG/L)	2.0	U
59-50-7	4-CHLORO-3-METHYL PHENOL (U	2.0	U
91-57-6	2-METHLYNAPHTHALENE (UG/L)	2.0	U
77-47-4	HEXACHLOROCYCLOPENTADIENE (UG	2.0	U
88-06-2	2,4,6-TRICHL' PHENOL (UG/L)	3.0	U

Client ID

ANALYSIS DATA SHEET

MW12SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*12
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q
95-95-4	2,4,5-TRICHL'PHENOL (UG/L) _____	3.0 U
91-58-7	2-CHLORONAPHTHALENE (UG/L) _____	1.0 U
88-74-4	2-NITROANILINE (UG/L) _____	3.0 U
131-11-3	DIMETHYLPHTHALATE (UG/L) _____	1.0 U
208-96-8	ACENAPHTHYLENE (UG/L) _____	1.0 U
606-20-2	2,6-DINITROTOLUENE (UG/L) _____	2.0 U
99-09-2	3-NITROANILINE (UG/L) _____	2.0 U
83-32-9	ACENAPHTHENE (UG/L) _____	1.0 U
51-28-5	2,4-DINITROPHENOL (UG/L) _____	30. U
100-02-7	4-NITROPHENOL (UG/L) _____	10.0 U
132-64-9	DIBENZOFURAN (UG/L) _____	2.0 U
121-14-2	2,4-DINITROTOLUENE (UG/L) _____	2.0 U
84-66-2	DIETHYLPHTHALATE (UG/L) _____	1.0 U
7005-72-3	4-CHLOROPHENYLPHENYL ETHER (U	1.5 U
86-73-7	FLUORENE (UG/L) _____	1.0 U
100-01-6	4-NITROANILINE (UG/L) _____	3.0 U
86-30-6	N-NITROSODIPHE'AMINE (UG/L) _____	1.0 U
534-52-1	2-METHYL-4,6-DINITROPHENOL (U	20. U
101-55-3	4-BROMOPHENYLPHENYL ETHER (U	2.0 U
118-74-1	HEXACHLOROBENZENE (UG/L) _____	1.0 U
87-86-5	PENTACHLOROPHENOL (UG/L) _____	10.0 U
85-01-8	PHENANTHRENE (UG/L) _____	1.0 U
120-12-7	ANTHRACENE (UG/L) _____	1.0 U
84-74-2	DI-N-BUTYLPHTHALATE (UG/L) _____	1.0 U
206-44-0	FLUORANTHENE (UG/L) _____	1.0 U
129-00-0	PYRENE (UG/L) _____	1.0 U
85-68-7	BUTYLBENZYLPHTHALATE (UG/L) _____	1.5 U

Client ID

ANALYSIS DATA SHEET

MW12SP

Lab Name: ESE Project No.: 7934082G SDG No.: G45214
 Matrix: (soil/water) WATER Lab Sample ID: CDDMTW*12
 Sample wt/vol: Lab File ID:
 %Moisture: pH: Dilution Factor: 1.00
 Date Analyzed: 12/16/93 Date Received: 11/12/93

CAS NO.	COMPOUND	Q	
91-94-1	3,3'-DICHL'BENZIDINE (UG/L) _	3.0	U
56-55-3	BENZO(A)ANTHRACENE (UG/L) _	1.0	U
117-81-7	BIS(2-ETHYLHEXYL) PHTHALAT	1.0	U
218-01-9	CHRYSENE (UG/L) _	1.0	U
117-84-0	DI-N-OCTYLPHTHALATE (UG/L) _	2.0	U
205-99-2	BENZO(B)FLUORANTHENE (UG/L) _	1.5	U
207-08-9	BENZO(K)FLUORANTHENE (UG/L) _	1.5	U
50-32-8	BENZO(A)PYRENE (UG/L) _	2.0	U
193-39-5	INDENO(1,2,3-CD) PYRENE (	2.5	U
53-70-3	DIBEN'(A,H)ANTH'CENE (UG/L) _	2.5	U
191-24-2	BENZO(GHI)PERYLENE (UG/L) _	2.5	U
532-27-4	ALPHA-CHLOROACETAPHENONE (UG/	2.0	U

QUALITY CONTROL DATA

001639

48 418

Client ID

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

MW11MS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G45214

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS %	QC LIMITS
				REC #	REC.
PHENOL	100	0.	80	80.0	12- 89
2-CHLOROPHENOL	100	0.	84	84.0	27-123
1,4-DICHLOROBENZENE	50	0.	34	68.0	36- 97
N-NITROSODI-N-PROPYLAMI	50	0.	30	60.0	41-116
1,2,4-TRICH' BENZENE	50	0.	34	68.0	39- 98
4-CHLORO-3-METHYL PHE	100	0.	91	91.0	23- 97

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD %	% RPD #	QC LIMITS
			REC #	RPD #	RPD REC.
PHENOL	100	72	72.0	10.5	42 12-89
2-CHLOROPHENOL	100	78	78.0	7.4	40 27-123
1,4-DICHLOROBENZENE	50	35	70.0	2.9	28 36-97
N-NITROSODI-N-PROPYLAMI	50	31	62.0	3.3	38 41-116
1,2,4-TRICH' BENZENE	50	34	68.0	0.0	28 39-98
4-CHLORO-3-METHYL PHE	100	69	69.0	27.5	42 23-97

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

* Values outside of QC limits

COMMENT:

48 419

Client ID

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

MW11MS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G45214

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC #	QC LIMITS REC.
ACENAPHTHYLENE	50	0.	0.0	0.0	46-118
ACENAPHTHENE	50	0.	37	74.0	110-80
4-NITROPHENOL	100	0.	87	87.0	124-96
2,4-DINITROTOLUENE	50	0.	43	86.0	9-103
PENTACHLOROPHENOL	100	0.	94	94.0	26-127
PYRENE	50	0.	43	86.0	

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC #	% RPD #	QC LIMITS RPD REC.
ACENAPHTHYLENE	50	2.2	4.4	200.0 *	31 46-118
ACENAPHTHENE	50	19	38.0	64.3 *	50 110-80
4-NITROPHENOL	100	96	96.0	9.8	38 124-96
2,4-DINITROTOLUENE	50	47	94.0	8.9	50 9-103
PENTACHLOROPHENOL	100	69	69.0	30.7	31 26-127
PYRENE	50	13	26.0	107.1	

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

* Values outside of QC limits

COMMENT:

Client ID

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

MW11MS

Lab Name: ESE

Project No.: 7934082G

SDG No.: G45214

COMPOUND		SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	QC LIMITS REC.
BIS(2-ETHYLHEXYL)	PH	50	2.8	0	0	

COMPOUND		SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	REC.
BIS(2-ETHYLHEXYL)	PH	50	2.8	5.6	200.0 *		

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

* Values outside of QC limits

COMMENT:

Client ID

PBLK1

SDG No. : G45214

Lab File ID:

Instrument ID:

Date Analyzed : 12/16/93

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

CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED
=====	=====	=====
MW9	CDDMTW*9	12/15/93
MW10SP	CDDMTW*10	12/15/93
MW12SP	CDDMTW*12	12/16/93
MW11	CDDMTW*11	12/16/93
MW11MS	SPM1*CDDMTW*11	12/16/93
MW11MSD	SPM2*CDDMTW*11	12/16/93

COMMENTS:

001643

Client ID

REFERENCE STANDARD

SP1

Lab Name: ESE

SDG No: G45214

Lab Sample ID: SP1*1118*1

Date Analyzed: 12/15/93

Standard Source:

Instrument ID:

Analyte	True	Found	C	%Recv	Limits
PHENOL	100.	79.		79.0	12- 89
2CHLOPHEN	100.	76.		76.0	27-123
1,4-DCB	50.	31.		62.0	36- 97
N-NS-N-PR	50.	28.		56.0	41-116
124TCLBEN	50.	34.		68.0	39- 98
4CL3MEPHE	100.	85.		85.0	23- 97
ACEPHLENE	50.	1.0	U	2.0	-
ACENAPH	50.	37.		74.0	46-118
4-NITPHEN	100.	82.		82.0	10- 80
2,4DNT	50.	36.		72.0	24- 96
PENCLPHEN	100.	99.		99.0	9-103
PYRENE	50.	49.		98.0	26-127
B(2ETH)PH	50.	2.3		4.6	-

Comments:

FORM V ESE

001644

SURROGATE RECOVERIES

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: 2,4,6-TRIBROMOPHENOL

Limits: 10-123

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

SURROGATE RECOVERIES

48 424

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: TERPHENYL-D(14)

Limits: 33-141

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

SURROGATE RECOVERIES

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: 2-FLUOROPHENOL

Limits: 21-100

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

SURROGATE RECOVERIES

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: PHENOL-D(5)

Limits: 10- 94

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

SURROGATE RECOVERIES

48 427

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: NITROBENZENE-D(5)

Limits: 35-114

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

SURROGATE RECOVERIES

Lab Name: ESE

Contract: 7934082G

SDG No.: G45214

Analyte: 2-FLUOROBIPHENYL

Limits: 43-116

Client Sample ID	Recv
MW9	69
MW10SP	76
MW11	53
MW11MS	75
MW11MSD	71
MW12SP	58

* Values outside of QC limits

RAW DATA

ANALYTICAL DATA

001652

GC/MS BATCH DOCUMENTATION CHECKLIST

Extraction

Organic Extraction Logsheet copies
Laboratory Notebook (comments) copies

Extractor Initials

Date _____

Navy Supplement
Control Charts (each analyte)

Notes:

Initial or NA

Analysis

Method

Tuning Report - BFB/DFTPP
Calibration

Calibration

Calibration Check

Response Factors

Identification (ID) File

Raw Data

Method Blank

Samples

Quality Control (QC) Samples
Verification Samples

Verification Spectra
Upload File

Upload File (detection limit)
Instrument Lock

Instrument Logbook Page - copy
Correspondence & Memos
Unknown

Unknowns

Batch Printout

Analyst Initials

Date _____

Checked by

Date

001653

.....
User name: 1958 (10)
File name: 648214.0
Directory: ABLESYS11EMP
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Date: December 22, 92
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Time: 1:52pm
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[illegible]

[illegible]

SYNDEY: 98316 METHOD: EUR 2-FLUOROPHENOL; U3/L 6CM8

~~STRUCTURE-SENSITIVE METHOD FOR PHENOL-DETERMINATION~~

STABILITY STUDIES METHOD: GUM MITTBEWERTUNG - D (3), LAG/L 65KMS

STOCK# 98321 METHOD: BLR 2-FLUOROBIPHENYL, LB/L ODMG

~~SECRET~~ ~~TOP SECRET~~ ~~CONFIDENTIAL~~ ~~SECRET~~

SECRET - 3747 PLYWOOD CLUB - TERRY - D-141 - 10/1/50

PROPERTY 34674 NUMBER 0270/3820-0 PHENYL. 10/1 07/19/1

CALIFORNIA-CRIME-CR-94
 CURVE DETECTION LIMIT- 2.5 DATE: 18 NOV 1993 LARGEST RESPONSE= XRS02*

SAMPLE ID	CONCENTRATION
1119*	0.0

STANDARD MATRIX SPIN (1)	FOUND	TARGET X BECV	REL MOI.FF.
SAMPLE 10	100	100	100
SPIN 10	100	100	100

SAMPLE MATRIX SPIKE (B)

[illegible]

STORET, 34273 METHOO, 0270/3520-6 BIS (2-CHLOROETHYL) ETHER, 118/1- 6009

CALIBRATION CURVE: 0.11
CURVE DETECTION LIMIT: 2.0 DATE: 18 NOV 1993 1.401817 RESPONSE: 0.000000

METHOLD BLANK (5)

[illegible]

+

SAMPLE ID.	UNER CONC	SPK CONC	FOUND	TARGET	% RECV	REZULT
SP-10116-1	0.0	76	76	100	76.0	

181 MILWAUKEE ST. - BANGOR, MAINE

SPRINTING	WASH	DRY	COOL	PAUSE	TARGET	RECYC	REL. NOFF.
SPRINTING#11	0.0			04	100	04.0	
SP#2*CDMTN#11	0.0			78	100	78.0	7.4

~~STONETT 348564 ME THURSD 827073020-0 13, DITCHES, 0807 ENZ 10070000~~

LIBRARY 34571 HUNTON B270/3520-8 1.4-DICHLOROBENZENE 10/1 FINAL

CALIBRATION CURVE # 1
CURVE DETECTION LIMIT: 1.0 DATE: 10 NOV 1993 LAUNCH: 11 FEB 1994 WIND: 0

METHOD BLANK (S)

1881

STANDARD MATRIX 13-144-15

PARTIAL ID	UNGR CONC.	SPR CONC.	EXGRD	TARGET	% HGRV	MR ADJ FTR
011119.1	0.0	31	31	50	62.0	

2

1

CF

5

001665

SPIE11181 0.0 31 31

SAMPLE MATRIX SPIKE(S)

SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELDIFF
SPW1CDMTN11 0.0 34 34 60 60.0

SPW2CDMTN11 0.0 30 30 70 70.0

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

STORET: 77147 METHOD: 8270/3520-8 BENZYL ALCOHOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 2-METHYL PHENOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 4-METHYL PHENOL, UG/L GCMS

STORET: 84263 METHOD: 8270/3520-8 B1812-CHL (ISOPROPYL) ETHER, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE: 1.0

CURVE DETECTION LIMIT: 1.0 TARGET: NOV 1993 LARGEST RESPONSE: 68.0

METHOD BLANK (B)

SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELDIFF
SPW1CDMTN11 0.0 26 26 50 50.0

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

STORET: 77147 METHOD: 8270/3520-8 BENZYL ALCOHOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 2-METHYL PHENOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 4-METHYL PHENOL, UG/L GCMS

STORET: 84263 METHOD: 8270/3520-8 B1812-CHL (ISOPROPYL) ETHER, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE: 1.0

CURVE DETECTION LIMIT: 1.0 DATE: 10 NOV 1993 LARGEST RESPONSE: 68.0

METHOD BLANK (B)

SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELDIFF

SPW1CDMTN11 0.0 34 34 60 60.0

SPW2CDMTN11 0.0 30 30 70 70.0

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

STORET: 77147 METHOD: 8270/3520-8 BENZYL ALCOHOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 2-METHYL PHENOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 4-METHYL PHENOL, UG/L GCMS

STORET: 84263 METHOD: 8270/3520-8 B1812-CHL (ISOPROPYL) ETHER, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

CALIBRATION CURVE: 1.0

CURVE DETECTION LIMIT: 1.0 DATE: 10 NOV 1993 LARGEST RESPONSE: 68.0

METHOD BLANK (B)

SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELDIFF

SPW1CDMTN11 0.0 34 34 60 60.0

SPW2CDMTN11 0.0 30 30 70 70.0

STRET1: 84036 METHOD: 8270/3520-8 1,2-DICHLOROBENZENE, UG/L GCMS

STORET: 77147 METHOD: 8270/3520-8 BENZYL ALCOHOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 2-METHYL PHENOL, UG/L GCMS

STRET1: 84036 METHOD: 8270/3520-8 4-METHYL PHENOL, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2,4-DICHLOROPHENOL, UG/L GCMS

STORET: 34696 METHOD: 8270/3820-8 NAPHTHALENE, UG/L GCMS

STORET: 99075 METHOD: 8270/3820-8 4-CHLOROPHENOL, UG/L GCMS

STORET: 34393 METHOD: 8270/3820-8 1-METHYLBENZOTRIADIAZINE, UG/L GCMS

STORET: 34482 METHOD: 8270/3820-8 4-CHLORO-3-METHYLPHENOL, UG/L FINAL

CALIBRATION CURVE # 1

CURVE DETECTION LIMIT: 1.0 DATE: 19 NOV 1993 LARGEST RESPONSE: 2850

SAMPLE ID: CONCENTRATION

111891 0.0

STANDARD MATRIX SPIKE (S)

SAMPLE ID: 111891 UNSP CONC: 0.0 CONC: 0.0 FOUND: 91 TARGET X RECV: 91.0

SAMPLE ID: 111891 UNSP CONC: 0.0 CONC: 0.0 FOUND: 69 TARGET X RECV: 69.0

SAMPLE ID: 111891 UNSP CONC: 0.0 CONC: 0.0 FOUND: 27.0 TARGET X RECV: 27.0

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

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STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

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STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

STORET: 34601 METHOD: 8270/3820-8 2-METHYLNAPHTHALENE, UG/L GCMS

CALCULATION CURVE # 1 DATE: 18 NOV 1973 LARGEST RESPONSE: 74.0

METHOD BLANK (S)
SAMPLE ID CONCENTRATION
1118* 0.0

STANDARD MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 37 80 74.0

SAMPLE MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 37 80 74.0
SP2118*1 0.0 0.0 19 80 38.0 64.3 Relative Percent Difference exceeds criteria: 100
STORET: 34416 METHOD: 8270/3820-B 2,4-DINITROPHENOL, US/L GCMS

STORET: 34416 METHOD: 8270/3820-B 2,4-DINITROPHENOL, US/L GCMS

CALIBRATION CURVE # 1
CURVE DETECTION LIMIT: 2.0 DATE: 18 NOV 1973 LARGEST RESPONSE: 82.0

METHOD BLANK (S)

SAMPLE ID CONCENTRATION
1118*1 0.0

STANDARD MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 82 100 82.0

SAMPLE MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 82 100 82.0
SP2118*1 0.0 0.0 94 100 96.0 9.8 Recovery Exceeds criteria: 100
STORET: 34416 METHOD: 8270/3820-B 2,4-DINITROPHENOL, US/L GCMS

STORET: 34416 METHOD: 8270/3820-B 2,4-DINITROPHENOL, US/L GCMS

CALIBRATION CURVE # 1
CURVE DETECTION LIMIT: 2.0 DATE: 18 NOV 1973 LARGEST RESPONSE: 72.0

METHOD BLANK (S)
SAMPLE ID CONCENTRATION
1118*1 0.0

STANDARD MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 36 80 72.0

SAMPLE MATRIX SPIKE (S)
SAMPLE ID UNSP CONC SPK CONC FOUND TARGET X RECV RELSDIFF
SP1118*1 0.0 0.0 43 80 94.0
SP2118*1 0.0 0.0 47 80 94.0
STORET: 34436 METHOD: 8270/3820-B DIETHYLPHTHALATE, US/L GCMS

STORET: 34436 METHOD: 8270/3820-B DIETHYLPHTHALATE, US/L GCMS

STORET: 34433 METHOD: 8270/3820-B 4-CHLOROPHENYLPHENYL ETHYL, US/L GCMS

STORET: 34433 METHOD: 8270/3820-B 4-CHLOROPHENYLPHENYL ETHYL, US/L GCMS

STORET: 34433 METHOD: 8270/3820-B N-NITROBIS(PIPIR)AMINE, US/L GCMS

STORET: 34433 METHOD: 8270/3820-B 2-METHYL-4,6-DINITROPHENOL, US/L GCMS

STORET: 34433 METHOD: 8270/3820-B 2-METHYL-4,6-DINITROPHENOL, US/L GCMS

STORYT: 34636 METHOD: 8270/3020-8 4-BROMOPHENYLPHENYL ETHER, US/L GCMS

STORYT: 39700 METHOD: 8270/3020-8 1-METHYLBENZENE, US/L GCMS

STORYT: 39700 METHOD: 8270/3020-8 1-METHYLBENZENE, US/L GCMS

CALIBRATION CURVE # 1 DATE: 18 NOV 1993 LARGEST RESPONSE: 2000

METHOD BLANK (B)

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

SAMPLE ID: 0.0
UNSP CONC: 0.0
SPK CONC: 0.0
FOUND: 100
TARGET: 100
REL DIFF: 99.0

001669

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001671

SAMPLE RESULTS

[illegible]

SAMPLE ID	W/L	W/L
Sample 10	2.0	2.0
Sample 11	2.0	2.0
Sample 12	2.0	2.0
Sample 13	2.0	2.0
Sample 14	2.0	2.0
Sample 15	2.0	2.0
Sample 16	2.0	2.0
Sample 17	2.0	2.0
Sample 18	2.0	2.0
Sample 19	2.0	2.0
Sample 20	2.0	2.0
Sample 21	2.0	2.0
Sample 22	2.0	2.0
Sample 23	2.0	2.0
Sample 24	2.0	2.0
Sample 25	2.0	2.0
Sample 26	2.0	2.0
Sample 27	2.0	2.0
Sample 28	2.0	2.0
Sample 29	2.0	2.0
Sample 30	2.0	2.0
Sample 31	2.0	2.0
Sample 32	2.0	2.0
Sample 33	2.0	2.0
Sample 34	2.0	2.0
Sample 35	2.0	2.0
Sample 36	2.0	2.0
Sample 37	2.0	2.0
Sample 38	2.0	2.0
Sample 39	2.0	2.0
Sample 40	2.0	2.0
Sample 41	2.0	2.0
Sample 42	2.0	2.0
Sample 43	2.0	2.0
Sample 44	2.0	2.0
Sample 45	2.0	2.0
Sample 46	2.0	2.0
Sample 47	2.0	2.0
Sample 48	2.0	2.0
Sample 49	2.0	2.0
Sample 50	2.0	2.0
Sample 51	2.0	2.0
Sample 52	2.0	2.0
Sample 53	2.0	2.0
Sample 54	2.0	2.0
Sample 55	2.0	2.0
Sample 56	2.0	2.0
Sample 57	2.0	2.0
Sample 58	2.0	2.0
Sample 59	2.0	2.0
Sample 60	2.0	2.0
Sample 61	2.0	2.0
Sample 62	2.0	2.0
Sample 63	2.0	2.0
Sample 64	2.0	2.0
Sample 65	2.0	2.0
Sample 66	2.0	2.0
Sample 67	2.0	2.0
Sample 68	2.0	2.0
Sample 69	2.0	2.0
Sample 70	2.0	2.0
Sample 71	2.0	2.0
Sample 72	2.0	2.0
Sample 73	2.0	2.0
Sample 74	2.0	2.0
Sample 75	2.0	2.0
Sample 76	2.0	2.0
Sample 77	2.0	2.0
Sample 78	2.0	2.0
Sample 79	2.0	2.0
Sample 80	2.0	2.0
Sample 81	2.0	2.0
Sample 82	2.0	2.0
Sample 83	2.0	2.0
Sample 84	2.0	2.0
Sample 85	2.0	2.0
Sample 86	2.0	2.0
Sample 87	2.0	2.0
Sample 88	2.0	2.0
Sample 89	2.0	2.0
Sample 90	2.0	2.0
Sample 91	2.0	2.0
Sample 92	2.0	2.0
Sample 93	2.0	2.0
Sample 94	2.0	2.0
Sample 95	2.0	2.0
Sample 96	2.0	2.0
Sample 97	2.0	2.0
Sample 98	2.0	2.0
Sample 99	2.0	2.0
Sample 100	2.0	2.0

48 451

001673

Environmental Science and Engineering Analytical Services
Computer QC Checks

Batch: 1001-040210 Analyst: 12/18/93

YES NO COMMENTS / REVISIONS / ACTION

Are ALL units documented in batch?

Analysis holding time within criteria?

Extraction holding time within criteria?

Method blank present?

Method blank within acceptance criteria?

Standard matrix spike present?

Standard matrix spike within acceptance criteria?

Sample matrix spike present?

Sample matrix spike within acceptance criteria?

Sample matrix spike duplicate present?

Sample matrix spike duplicate within acceptance criteria?

4-NITROPHENOL

PYRENE

Surrogate present?

Surrogate within acceptance criteria?

NOTE: ANY "NO" INDICATES A PROBLEM.


```

*****
* User name: 3250 (31)          Queue: LAB/3
* File name: 2000NTN.NSO       Server: GENICOM
* Directory: ABLESYS:TERP.DUMP
* Description: 2000NTN.NSO
* December 27, 93              3:55pm
*****

33333 222 55555 000
3 2 2 5 0 0
3 2 5555 0 00
3 2 5 0 0 0
3 2 5 00 0
3 3 2 5 5 0 0
333 22222 555 000
*****

222 CCC 0000 0000 N N TTTT U U N N SSS 000
2 2 C C D D D D M M T U U M M S S 0 0
2 C D D D M M T U U M M S 0 0
2 C D D D M M T U U M M SSS 0 0
2 C D D D M M T U U M S 0 0
2 C C D D M M T M M .. M S S 0 0
22222 CCC 0000 0000 N N T U U .. N N SSS 00 0
*****

```

Quantitation Report File: 12159309

Data: 12159309.11

12/15/93 20:47:00

Sample: MB1118+1 SUR+50+100

Conds.:

Formula: FINOLA FINSSH4

Instrument: FTIR

Weight: 0.000

Submitted by: DMREITER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3655-82-1 1,4-DICHLOROBENZENE-04 **IS1**
2	C140 1146-65-2 NAPHTHALENE-08 **IS2**
3	C150 15067-26-2 ACENAPHTHENE-010 **IS3**
4	C160 1512-22-2 PHENANTHRENE-010 **IS4**
5	C170 1719-03-5 CHRYSENE-010 **IS5**
6	C175 1520-96-3 PERYLENE-012 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-05 **SU2**
9	C520 4165-60-0 NITROBENZENE-05 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRICHLOROPHENOL **SU5**
12	C530 1718-51-0 TERPENEYL-014 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER
23	C370 621-64-7 N-NITROSO-01-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORBONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROPHTHALENE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL

001677

38 C510 77-47-4 HEXACHLOROXYCLOPENTADIENE
39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
41 C525 91-58-7 2-CHLOROPHTHALENE
42 C530 88-74-4 2-NITROANILINE
43 C535 131-11-3 DIMETHYLPHTHALATE
44 C540 208-96-8 ACENAPHTHYLENE
45 C543 606-20-2 2,6-DINITROTOLUENE
46 C545 99-09-2 3-NITROANILINE
47 C550 83-32-9 ACENAPHTHENE

001678

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	Ref	Meth	Area(Height)	Amount	zTot
1	152	1812	10:20	1	1.000	A 88	149276.	40.000 NG/UL	7.04
2	136	2354	13:25	2	1.000	A 88	419404.	40.000 NG/UL	7.04
3	164	3130	17:50	3	1.000	A 88	211228.	40.000 NG/UL	7.04
4	188	3792	21:37	4	1.000	A 88	278128.	40.000 NG/UL	7.04
5	240	4980	28:23	5	1.000	A 88	131292.	40.000 NG/UL	7.04
6	264	5606	31:57	6	1.000	A 88	116996.	40.000 NG/UL	7.04
7	112	1279	7:17	1	0.706	A 88	327156.	71.907 US/ML	12.66
8	99	1683	9:36	1	0.929	A 88	427108.	69.049 US/ML	12.15
9	82	2048	11:40	2	0.670	A 88	182976.	39.165 US/ML	6.89
10	172	2844	16:13	3	0.909	A 88	245416.	34.541 US/ML	6.88
11	330	3482	19:51	4	0.918	A 88	72000.	71.846 US/ML	12.65
12	244	4525	25:40	5	0.909	A 88	156664.	39.880 US/ML	7.02

13 NOT FOUND
 14 NOT FOUND
 15 NOT FOUND
 16 NOT FOUND
 17 NOT FOUND
 18 NOT FOUND
 19 NOT FOUND
 20 NOT FOUND
 21 NOT FOUND
 22 NOT FOUND
 23 NOT FOUND
 24 NOT FOUND
 25 NOT FOUND
 26 NOT FOUND
 27 NOT FOUND
 28 NOT FOUND
 29 NOT FOUND
 30 NOT FOUND
 31 NOT FOUND
 32 NOT FOUND
 33 NOT FOUND
 34 NOT FOUND
 35 NOT FOUND
 36 NOT FOUND
 37 NOT FOUND
 38 NOT FOUND
 39 NOT FOUND
 40 NOT FOUND
 41 NOT FOUND
 42 NOT FOUND

001679

48 458

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

001680

Quantitation Report File: 12159309

Data: 12159309.T1

12/15/93 20:47:00

Sample: RD11118v1 SUBA50x100

Ends..

Formula: FIDOL4 FIDSSM

Instrument: FIDM

Submitted by: DWJ/TTR

Analyst: 0642

Weight: 0.000

Acct. No.:

Amount=Area * REF PAINT/REF AREA * RESP FACT

Resp. fac. from Library Entry

No	Name	Area	Height	Amount	Zlog
51	C570 121-14-2 2,4-DINITROTOLUENE				
52	C580 84-66-2 DIETHYLPHthalate				
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER				
54	C590 86-73-7 FLUORENE				
55	C595 100-01-6 4-NITROANILINE				
56	C615 86-30-6 N-NITROSODIPHENYLAMINE				
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL				
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER				
59	C630 118-74-1 HEXACHLOROBENZENE				
60	C635 87-86-5 PENTACHLOROPHENOL				
61	C640 85-01-8 PHENANTHRENE				
62	C645 120-12-7 ANTHRACENE				
63	C650 84-74-2 DI-N-BUTYLPHthalate				
64	C655 206-44-0 FLUORANTHENE				
65	C715 129-00-0 PYRENE				
66	C720 85-68-7 BUTYLBENZYLPHthalate				
67	C725 91-94-1 3,3'-DICHLOROBENZOTIOLINE				
68	C730 56-55-3 BENZO(A)ANTHRACENE				
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHthalate				
70	C740 218-01-9 CHRYSENE				
71	C760 117-84-0 DI-N-DECEPHthalate				
72	C765 205-99-2 BENZO(B)FLUORANTHENE				
73	C770 207-08-9 BENZO(K)FLUORANTHENE				
74	C775 50-32-0 BENZO(A)PYRENE				
75	C780 193-39-5 INDENOX(1,2,3-CD)PYRENE				
76	C785 53-70-3 OIBENZO(A,H)ANTHRACENE				
77	C790 191-24-2 BENZO(G,H,I)PERYLENE				
78	CXXX 532-27-4 2-CHLOROACETOPHENONE				
79	CXXX 62-75-9 N-NITROSODIPHENYLAMINE				
80	CXXX 92-87-5 BENZOTIOLINE				
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE				

001681

No	n/2	Scan	Time	Ref	Ref Meth	Area(Height)	Amount	Zlog
51								
52								
53								

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 NOT FOUND
61 NOT FOUND
62 NOT FOUND

001682

No	n/z	Scan	Time	Ref	RT	Meth	Area(High)	Amount	ZTot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	5	1.011	A 88	4048.	1.792 US/ML	0.32
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001683

Quantitation Report File: 12159310

Date: 12159310.11

12/15/93 21:45:00

Sample: SP10111801 SUR*500*100 TMR*500*100

Conds.:

Formula: F10004 FINSSHA

Instrument: F100

Weight: 0.000

Submitted by: DMK/TTT

Analyst: 0642

Recd. No.:

AMOUNT=AREA * RET AMT/(RET AREA * RESP FACT)

Resp. fac. from Library Entry

No	Name	Weight
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 #015100	
2	C140 1146-65-2 NAPHTHALENE-D8 #015200	
3	C150 15067-26-2 ACENAPHTHENE-D10 #015300	
4	C160 1517-22-2 PHENANTHRENE-D10 #015400	
5	C170 1719-03-5 CHRYSENE-D10 #015500	
6	C175 1520-96-3 PERYLENE-D12 #015600	
7	C200 367-12-4 2-FLUOROPHENOL #051100	
8	C245 4165-62-2 PHENOL-D5 #051200	
9	C250 4165-60-0 NITROBENZENE-D5 #051300	
10	C255 321-60-8 2-FLUOROBIPHENYL #051400	
11	C255 118-79-6 2,4,6-TRIBROMOPHENOL #051500	
12	C250 1718-51-0 TERPENEYL-D14 #051600	
13	C315 108-95-2 PHENOL	
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER	
15	C350 95-57-8 2-CHLOROPHENOL	
16	C355 541-73-1 1,3-DICHLOROBENZENE	
17	C340 106-46-7 1,4-DICHLOROBENZENE	
18	C350 95-50-1 1,2-DICHLOROBENZENE	
19	C345 100-51-6 BENZYL ALCOHOL	
20	C355 95-48-7 2-METHYLPHENOL	
21	C365 106-44-5 4-METHYLPHENOL	
22	C360 39638-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER	
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE	
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE	
25	C410 98-95-3 NITROBENZENE	
26	C415 78-59-1 ISOPHTHALENE	
27	C420 80-75-5 2-NITROPHENOL	
28	C425 105-67-9 2,4-DIMETHYLPHENOL	
29	C430 65-85-0 BENZOIC ACID	
30	C435 111-91-1 BIS(2-CHLOROETHOXY) ETHER	
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE	
32	C440 120-83-2 2,4-DICHLOROPHENOL	
33	C450 91-20-3 NAPHTHALENE	
34	C455 106-47-8 4-CHLOROPHTHALIC ACID	
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE	
36	C465 59-50-7 4-CHLOROPHTHALIC ACID	

001684

38 CS10 77-47-4 HEXACHLOROCYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLOROPHTHALENE
42 CS30 88-74-4 2-NITROANILINE
43 CS35 131-11-3 DIMETHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS43 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITROANILINE
47 CS50 83-32-9 ACENAPHTHENE

001685

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 OIRENTOFURON

No	n/z	Scan	Time	Ref	RT	Meth	Area(Hght)	Amount	XTot
1	152	1813	10:20	1	1.000	A 88	181048.	40.000 UG/UL	3.35
2	136	2354	13:25	2	1.000	A 88	541808.	40.000 UG/UL	3.35
3	164	3131	17:51	3	1.000	A 88	264836.	40.000 UG/UL	3.35
4	188	3792	21:37	4	1.000	A 88	321640.	40.000 UG/UL	3.35
5	240	4980	28:23	5	1.000	A 88	149496.	40.000 UG/UL	3.35
6	264	5605	31:57	6	1.000	A 88	127148.	40.000 UG/UL	3.35
7	112	1278	7:17	1	0.705	A 88	350540.	63.526 UG/ML	5.32
8	99	1685	9:36	1	0.929	A 88	484116.	64.531 UG/ML	5.40
9	82	2049	11:41	2	0.870	A 88	219188.	36.317 UG/ML	3.04
10	172	2845	16:13	3	0.909	A 88	291424.	32.713 UG/ML	2.74
11	330	3482	19:51	4	0.918	A 88	90524.	78.111 UG/ML	6.54
12	244	4575	25:48	5	0.909	A 88	183836.	41.078 UG/ML	3.44
13	94	1692	9:39	1	0.933	A 88	617056.	79.003 UG/ML	6.61
14	NOT FOUND								
15	128	1724	9:50	1	0.951	A 88	456688.	76.115 UG/ML	6.37
16	NOT FOUND								
17	146	1819	10:22	1	1.003	A 88	199364.	30.858 UG/ML	2.58
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2001	11:24	1	1.104	A 88	142708.	27.621 UG/ML	2.31
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	150	2334	13:18	2	0.992	A 88	145744.	33.536 UG/ML	2.81
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A 88	351864.	84.714 UG/ML	7.09
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								

001686

Quantitation Report File: 12159310

Data: 12159310.11

12/15/93 21:45:00

Sample: SP101118*1 SUR*50*100 TAR*50*100

Conds.:

Formula: FIDOL4 FINESSM

Instrument: FIDM

Weight: 0.000

Submitted by: DORITTER

Analyst: 0642

Recd. No.:

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

Resp. fac. from Library Entry

No	Name	Amount	Area(Height)	Ref Meth	Ref	Time	Scan	No
51	CS70 121-14-2 2,4-DINITROTOLUENE							
52	CS80 84-66-2 DIETHYLPHthalate							
53	CS85 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER							
54	CS90 86-73-7 FLUORENE							
55	CS95 100-01-6 4-NITROANILINE							
56	C615 86-30-6 N-NITROSODIPHENYLAMINE							
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL							
58	C625 101-53-3 4-BROMOPHENYL-PHENYLETHER							
59	C630 118-74-1 HEXACHLOROBENZENE							
60	C635 87-86-5 PENTACHLOROPHENOL							
61	C640 85-01-8 PHENANTHRENE							
62	C645 120-12-7 ANTHRACENE							
63	C650 84-74-2 DI-N-BUTYLPHthalate							
64	C655 206-44-0 FLUORANTHENE							
65	C715 129-00-0 PYRENE							
66	C720 85-68-7 BUTYLENEBISPHthalate							
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE							
68	C730 56-55-3 BENZO(A)ANTHRACENE							
69	C745 117-81-7 DISK-2-ETHYLHEXYLPHthalate							
70	C740 210-01-9 CHRYSENE							
71	C760 117-84-0 DI-N-OCTYLPHthalate							
72	C765 205-99-2 BENZO(B)FLUORANTHENE							
73	C770 207-08-9 BENZO(K)FLUORANTHENE							
74	C775 50-32-8 BENZO(A)PYRENE							
75	C780 193-39-5 INDENOC(1,2,3-CD)PYRENE							
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE							
77	C790 191-24-2 BENZO(G,H,I)PERYLENE							
78	XXXX 62-75-9 N-NITROSODIETHYLAMINE							
79	XXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE							
80	XXXX 92-87-5 BENZIDINE							
81	XXXX 532-27-4 2-CHLOROACETOPHENONE							

No	n/z	Scan	Time	Ref	Ref Meth	Area(Height)	Amount	ZTot
51	165	3232	18:25	3	1.032 A 88	75044.	36.287 US/ML	3.04
52	NOT FOUND							
53	NOT FOUND							

001688

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 266 3712 21:10 4 0.979 4 88 128984. 99.145 UG/ML 8.30
61 NOT FOUND
62 NOT FOUND

001689

No	m/z	Scan	Time	Ref	PRT	Meth	Area(Hght)	Amount	ΣTot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4433	25:16	5	0.890	A 88	269264.	49.437 UG/ML	4.14
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	5	1.611	A 88	5876.	2.285 UG/ML	0.19
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001690

Quantitation Report File: 12159311

Data: 12159311.71

12/15/93 22:43:00

Sample: C001049 SUR-500100

Conds.:

Formula: FIDOL4 FIDMSM4

Instrument: FIDM

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Rock. No.:

AMOUNT=AREA * RET AMNT/(REF AREA * RESP FACT)

Resp. fac. from Library Entry

No	Name	
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4	0.015100
2	C140 1146-85-2 NAPHTHALENE-D8	0.015200
3	C150 15067-26-2 ACENAPHTHENE-D10	0.015300
4	C160 1517-22-2 PHENANTHRENE-D10	0.015400
5	C170 1719-03-5 CHRYSENE-D10	0.015500
6	C175 1520-96-3 PERYLENE-D12	0.015600
7	C250 367-12-4 2-FLUOROPHENOL	0.015700
8	C245 4165-62-2 PHENOL-D5	0.015800
9	C220 4165-60-0 NITROBENZENE-D5	0.015900
10	C225 321-60-0 2-FLUOROBIPHENYL	0.016000
11	C255 118-79-6 2,4,6-TRICHLOROPHENOL	0.016100
12	C230 1718-51-0 TERPHEYL-D14	0.016200
13	C315 108-95-2 PHENOL	
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER	
15	C330 95-57-8 2-CHLOROPHENOL	
16	C335 541-73-1 1,3-DICHLOROBENZENE	
17	C340 106-46-7 1,4-DICHLOROBENZENE	
18	C350 95-50-1 1,2-DICHLOROBENZENE	
19	C345 100-51-6 BENZYL ALCOHOL	
20	C355 95-48-7 2-NITROPHENOL	
21	C365 106-44-5 4-NITROPHENOL	
22	C360 39638-82-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER	
23	C370 621-64-7 N-NITROSO-DI-N-PROPYLAMINE	
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE	
25	C410 98-95-3 NITROBENZENE	
26	C415 78-59-1 ISOPHORBONE	
27	C420 88-75-5 2-NITROPHENOL	
28	C425 195-67-9 2,4-DINITROPHENOL	
29	C430 65-85-0 BENZOIC ACID	
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE	
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE	
32	C440 120-83-2 2,4-DICHLOROPHENOL	
33	C450 91-20-3 NAPHTHALENE	
34	C455 106-47-8 4-CHLORANILINE	
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE	
36	C465 59-50-7 4-CHLOR-3-NITROPHENOL	

001691

38 CS10 77-47-4 HEXACHLOROCCYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLOROPHTHALENE
42 CS30 88-74-4 2-NITROANILINE
43 CS35 131-11-3 DIMETHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS43 606-20-2 2,6-DIMINITROLUENE
46 CS45 99-09-2 3-NITROANILINE
47 CS50 83-32-9 ACENAPHTHENE

001692

No Name
 48 C555 51-20-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RR1	Meth	Area(Hight)	Amount	%Tot
1	152	1812	10:20	1	1.000	A 88	181604.	40.000 U6/UL	7.16
2	136	2354	13:25	2	1.000	A 88	563596.	40.000 U6/UL	7.16
3	164	3130	17:50	3	1.000	A 88	284132.	40.000 U6/UL	7.16
4	188	3792	21:37	4	1.000	A 88	376704.	40.000 U6/UL	7.16
5	240	4979	28:23	5	1.000	A 88	158848.	40.000 U6/UL	7.16
6	264	5405	31:57	6	1.000	A 88	133800.	40.000 U6/UL	7.16
7	112	1278	7:17	1	0.705	A 88	381039.	68.842 U6/UL	12.32
8	99	1684	9:36	1	0.929	A 88	555500.	71.162 U6/UL	12.73
9	82	2048	11:40	2	0.870	A 88	253052.	37.121 U6/UL	6.64
10	172	2845	16:13	3	0.909	A 88	320144.	33.497 U6/UL	5.99
11	330	3482	19:51	4	0.918	A 88	96416.	71.034 U6/UL	12.71
12	244	4524	25:47	5	0.909	A 88	155260.	32.229 U6/UL	5.77
13	94	1687	9:37	1	0.931	A 88	10864.	1.387 U6/UL	0.25
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								

001693

44 NOT FOUND
 45 NOT FOUND
 46 NOT FOUND
 47 NOT FOUND
 48 NOT FOUND
 49 NOT FOUND
 50 NOT FOUND

001694

Quantitation Report File: 12159311

Data: 12159311.11

12/15/93 22:43:00

Sample: COUNTRY SUR-50a100

Conds.:

Formula: FIMDA FIMSSM

Instrument: FIMM

Height: 0.000

Submitted by: OMRTTTER

Analyst: 0642

Acct. No.:

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

Resp. Fac. from Library Entry

No	Name	Amount	Area(Hight)	Amount	Total
51	C570 121-14-2 2,4-DINITROTOLUENE				
52	C580 84-66-2 DITRIMYLPHthalate				
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER				
54	C590 86-73-7 FLUORENE				
55	C595 100-01-6 4-NITROANILINE				
56	C615 86-30-6 N-NITROSODIPHENYLAMINE				
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL				
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER				
59	C630 118-74-1 HEXACHLOROCYCLOPENTADIENE				
60	C635 87-86-5 PENTACHLOROPHENOL				
61	C640 85-01-0 PHENANTHRENE				
62	C645 120-12-7 ANTHRACENE				
63	C650 84-74-2 DI-N-BUTYLPHthalate				
64	C655 206-44-0 FLUORANTHENE				
65	C715 129-00-0 PYRENE				
66	C720 85-68-7 BUTYLBENZYLPHthalate				
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE				
68	C730 56-55-3 BENZO(A)ANTHRACENE				
69	C745 117-81-7 8TS2-ETHYLHEXYLPHthalate				
70	C740 218-01-9 CHRYSENE				
71	C760 117-84-0 DI-N-OCTYLPHthalate				
72	C765 205-99-2 BENZO(B)FLUORANTHENE				
73	C770 207-08-9 BENZO(K)FLUORANTHENE				
74	C775 50-32-8 BENZO(A)PYRENE				
75	C780 193-39-5 INDENOX 1,2,3-CO-PYRENE				
76	C785 53-70-3 DIBENZ(A,H)ANTHRACENE				
77	C790 191-24-2 BENZO(G,H,I)PERYLENE				
78	CXXX 532-27-4 2-CHLOROACETOPHENONE				
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE				
80	CXXX 92-87-5 BENZIDINE				
81	CXXX 122-66-7 DIPHENYLMOXAZINE/ 103-33-3 AZOBENZENE				

001693

No	N/z	Scan	Line	Ref	RTT	Path	Area(Hight)	Amount	Total
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								

55 NOT FOUND
 56 NOT FOUND
 57 NOT FOUND
 58 NOT FOUND
 59 NOT FOUND
 60 NOT FOUND
 61 NOT FOUND
 62 NOT FOUND

001696

Ho	n/z	Scan	Time	Ref	RT	Meth	Area(Hght)	Amount	%Tot
63	149	4093	23:20	4	1.079	A 88	976.	0.085 U6/ML	0.02
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5033	28:41	5	1.011	A 88	9728.	3.560 U6/ML	0.64
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001697

Quantitation Report File: 12159312

Data: 12159312.JI

12/15/93 23:40:09

Sample: COCONTU10 SUR60*100

Conds.:

Formula: FID1.4 FINS44

Instrument: FIDN

Weight: 0.000

Submitted by: DNR/TLT

Analyst: 0642

Acct. No.:

AMOUNT=AREA * REF AMT1/(REF AREA * RESP FACT)

Resp. fac. from Library Entry

No	Name	
1	C130 3853-82-1 1,4-DICHLOROBENZENE-D4	0015100
2	C140 1146-65-2 NAPHTHALENE-D8	0015200
3	C150 15067-26-2 ACENAPHTHENE-D10	0015300
4	C160 1517-22-2 PHENANTHRENE-D10	0015400
5	C170 1719-03-5 CHRYSENE-D10	0015500
6	C175 1520-96-3 PERYLENE-D12	0015600
7	C550 367-12-4 2-FLUOROPHENOL	0050100
8	C545 4165-62-2 PHENOL-D5	0050200
9	C520 4165-60-0 NITROBENZENE-D5	0050300
10	C525 321-60-8 2-FLUOROBIPHENYL	0050400
11	C555 110-79-6 2,4,6-TRIBROMOPHENOL	0050500
12	C530 1718-51-0 TERPENTYL-D14	0050600
13	C315 108-95-2 PHENOL	
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER	
15	C330 95-57-8 2-CHLOROPHENOL	
16	C335 541-73-1 1,3-DICHLOROBENZENE	
17	C340 106-46-7 1,4-DICHLOROBENZENE	
18	C350 95-50-1 1,2-DICHLOROBENZENE	
19	C345 100-51-6 BENZYL ALCOHOL	
20	C355 95-48-7 2-METHYLPHENOL	
21	C365 106-44-5 4-METHYLPHENOL	
22	C360 39638-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER	
23	C370 621-64-7 4-NITROSO-01-PROPYLAMINE	
24	C375 67-72-1 HEXACHLOROETHANE	
25	C410 98-95-3 NITROBENZENE	
26	C415 78-59-1 ISOPHTHALENE	
27	C420 88-75-5 2-NITROPHENOL	
28	C425 105-67-9 2,4-DIMETHYLPHENOL	
29	C430 65-85-0 BENZOIC ACID	
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE	
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE	
32	C440 120-83-2 2,4-DICHLOROPHENOL	
33	C450 91-20-3 NAPHTHALENE	
34	C455 106-47-8 4-CHLOROBIPHENYL	
35	C460 87-68-3 HEXACHLOROCYCLOPENTADIENE	
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL	

001690

38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
41 C525 91-58-7 2-CHLORODIPHTHALENE
42 C530 88-74-4 2-NITROANILINE
43 C535 131-11-3 DIMETHYLPHTHALATE
44 C540 208-96-8 ACENAPHTHALENE
45 C543 606-20-2 2,6-DINITROTOLUENE
46 C545 99-09-2 3-NITROANILINE
47 C550 83-32-9 ACENAPHTHENE

001699

Mo Name
 48 C555 31-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOTIUREN

No	n/z	Scan	Time	Ref	Int	Meth	Area(Height)	Amount	ZTot
1	152	1812	10:20	1	1.000	A 88	202748.	40.000 MG/UL	6.77
2	136	2354	13:25	2	1.000	A 88	615800.	40.000 MG/UL	6.77
3	164	3131	17:51	3	1.000	A 88	322000.	40.000 MG/UL	6.77
4	188	3792	21:37	4	1.000	A 88	434064.	40.000 MG/UL	6.77
5	240	4980	28:23	5	1.000	A 88	215900.	40.000 MG/UL	6.77
6	264	5405	31:57	6	1.000	A 88	183260.	40.000 UG/ML	6.77
7	112	1280	7:18	1	0.706	A 88	472639.	76.478 UG/ML	12.95
8	99	1685	9:36	1	0.950	A 88	633456.	75.393 UG/ML	12.77
9	82	2049	11:41	2	0.870	A 88	279356.	40.725 UG/ML	6.90
10	172	2845	16:13	3	0.909	A 88	385272.	35.570 UG/ML	6.02
11	330	3483	19:51	4	0.919	A 88	117216.	74.946 UG/ML	12.69
12	244	4525	25:48	5	0.909	A 88	243432.	37.664 UG/ML	6.38
13	94	1688	9:37	1	0.932	A 88	37676.	4.307 UG/ML	0.73
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
28	NOT	FOUND							
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	NOT	FOUND							
34	NOT	FOUND							
35	NOT	FOUND							
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	NOT	FOUND							
41	NOT	FOUND							
42	NOT	FOUND							

001700

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

Quantitation Report File: 12159312

Data: 12159312.11

12/15/93 23:40:00

Sample: CDD11410 S06a50a100

Cands.:

Formula: FIDOL4 FIDSSHA

Instrument: FIDM

Weight: 0.000

Submitted by: DFRITTER

Analyst: 0642

Recd. No.:

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

Resp. fac. from Library Entry

No	Name	Area	Height	Amount	%Tot
51	C570 121-14-2 2,4-DINITROTOLUENE				
52	C580 84-64-2 DIETHYLPHTHALATE				
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER				
54	C590 86-73-7 FLUORENE				
55	C595 100-01-6 4-NITROANILINE				
56	C615 86-30-6 N-NITROSODIPHENYLAMINE				
57	C610 534-52-1 4,6-DINITRO-2-NETHYLPHEMOL				
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER				
59	C630 118-74-1 HEXACHLOROBENZENE				
60	C635 87-86-5 PENTACHLOROPHENOL				
61	C640 85-01-8 PHENANTHRENE				
62	C645 120-12-7 ANTHRACENE				
63	C650 84-74-2 01-M-BUTYLPHTHALATE				
64	C655 206-44-0 FLUORANTHENE				
65	C715 129-00-0 PYRENE				
66	C720 85-68-7 BUTYLBENZYLPHTHALATE				
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE				
68	C730 56-55-3 BENZOK(AN)ANTHRACENE				
69	C745 117-81-7 815(2-ETHYLHEXYL)PHTHALATE				
70	C740 216-01-9 CHRYSENE				
71	C760 117-84-0 01-M-OCYLPHTHALATE				
72	C765 205-99-2 BENZOK(X)FLUORANTHENE				
73	C770 207-08-9 BENZOK(X)FLUOROPHTHENE				
74	C775 50-32-8 BENZOK(X)PYRENE				
75	C780 193-39-5 INDENOK(1,2,3-CO)PYRENE				
76	C785 53-70-3 DIBENZOK(A,H)ANTHRACENE				
77	C790 191-24-2 BENZOK(G,H,I)PERYLENE				
78	XXX 532-27-4 2-CHLORODETOPHENDIENE				
79	XXX 62-75-9 N-NITROSODIETHYLAMINE				
80	XXX 92-97-5 BENZIDINE				
81	XXX 122-66-7 01PHENYLHYDRAZINE/ 103-33-3 AZOBENZENE				

No n/z Scan Time Ref RET Meth Area(Height) Amount %Tot

51 NOT FOUND

52 NOT FOUND

53 NOT FOUND

001702

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 NOT FOUND
61 NOT FOUND
62 NOT FOUND

No	n/z	Scan	Time	Ref	RT	Math	Area(Hght)	Amount	XTot
63	149	4093	23:20	4	1.079	A 88	5004.	0.377 UG/ML	0.06
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	5	1.011	A 88	19196.	5.168 UG/ML	0.88
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001704

Quantitation Report File: 12159313

Date: 12159313.T1

12/16/93 0:37:00

Sample: C00011012 SUPA500100

Conds.:

Formula: FIMUL4 FIMSSM4

Instrument: FIMM

Weight: 0.000

Submitted by: DMARTIN

Analyst: 0642

Recd. No.:

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

Resp. Fac. from Library Entry

No Name

1	C130 3053-62-1 1,4-DICHLOROBENZENE-04 **IS100
2	C140 1146-65-2 NAPHTHALENE-08 as 162 00
3	C150 15067-26-2 ACENAPHTHENE-010 **IS300
4	C160 1517-22-2 PHENANTHRENE-010 **IS400
5	C170 1719-03-5 CHRYSENE-010 **IS500
6	C175 1520-96-3 PERYLENE-012 **IS600
7	C200 367-12-4 2-FLUOROPHENOL **SU100
8	C245 4165-62-2 PHENOL-05 **SU200
9	C250 4165-60-0 NITROBENZENE-05 **SU300
10	C275 321-60-8 2-FLUOROTOLUENE **SU400
11	C285 118-79-6 2,4,6-TRIBROMOPHENOL **SU500
12	C330 1718-51-0 TERPENEAL-014 **SU600
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39639-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER
23	C370 621-64-7 N-NITROSDI-N-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-39-1 ISOPHOSPHORANE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROPHENOL
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE
36	C465 59-50-7 4-CHLOR-3-NITROPHENOL

001705

38 CS10 77-47-4 HEXACHLORO CYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLORO PHENOL
40 CS20 95-95-4 2,4,5-TRICHLORO PHENOL
41 CS25 91-58-7 2-CHLORO PHTHALENE
42 CS30 88-74-4 2-NITROANILINE
43 CS35 131-11-3 DIMETHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS43 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITROANILINE
47 CS50 83-32-9 ACENAPHTHENE

001706

Mo Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

Mo	n/z	Scan	Time	Ref	RRT	Meth	Area(Mg/L)	Amount	ZTot
1	152	1812	10:20	1	1.000	A BB	141944.	40.000 MG/UL	7.28
2	136	2354	13:25	2	1.000	A BB	415872.	40.000 MG/UL	7.28
3	164	3130	17:50	3	1.000	A BB	262652.	40.000 MG/UL	7.28
4	188	3791	21:37	4	1.000	A BB	247464.	40.000 MG/UL	7.28
5	240	4979	28:23	5	1.000	A BB	109440.	40.000 MG/UL	7.28
6	264	5405	31:57	6	1.000	A BB	94420.	40.000 MG/UL	7.28
7	112	1278	7:17	1	0.795	A BB	282571.	65.316 U6/ML	11.89
8	99	1683	9:36	1	0.929	A BB	369720.	62.859 U6/ML	11.44
9	82	2048	11:40	2	0.870	A BB	177044.	38.236 U6/ML	6.96
10	172	2844	16:13	3	0.989	A BB	226972.	33.297 U6/ML	6.06
11	330	3482	19:51	4	0.918	A BB	58388.	65.483 U6/ML	11.92
12	244	4524	25:47	5	0.909	A BB	142708.	43.559 U6/ML	7.93
13	94	1686	9:37	1	0.930	A BB	4540.	0.741 U6/ML	0.13
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								

001707

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

001708

Quantitation Report File: 12159313

Date: 12159313.TI

12/16/93 0:37:00

Sample: C000TH12 SUR#50#100

Conds.:

Formula: FIDOL4 FINSSM

Instrument: FIDM

Weight: 0.000

Submitted by: DORITTER

Analyst: Q642

Acct. No.:

AMOUNT=AREA * REF AMNT/REF AREA * RESP FACT

Resp. fac. from Library Entry

No	Name	n/2	Scan	Time	Ref	RT	Math	Area(Hght)	Amount	Flot
51	CS70 121-14-2 2,4-DINITROTOLUENE									
52	CS80 84-66-2 DIETHYLPHTHALATE									
53	CS85 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER									
54	CS90 86-73-7 FLUORENE									
55	CS95 100-01-6 4-NITROANILINE									
56	C615 86-30-6 N-NITROSODIPHENYLAMINE									
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL									
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHYNE									
59	C630 118-74-1 HEXACHLOROBENZENE									
60	C635 87-86-5 PENTACHLOROPHENOL									
61	C640 85-01-8 PHENANTHRENE									
62	C645 120-12-7 ANTHRACENE									
63	C650 84-74-2 01-N-BUTYLPHTHALATE									
64	C655 206-44-0 FLUORANTHENE									
65	C715 129-00-0 PYRENE									
66	C720 85-68-7 BUTYLBENZYLPHTHALATE									
67	C725 91-94-1 3,3'-OICHLOROBENZIDINE									
68	C730 56-55-3 BENZO(CA)ANTHRACENE									
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE									
70	C740 218-01-9 CHRYSENE									
71	C760 117-84-0 DI-N-DECELPHTHALATE									
72	C765 205-99-2 BENZO(B,F)FLUORANTHENE									
73	C770 207-08-9 BENZO(K,F)FLUORANTHENE									
74	C775 50-32-8 BENZO(CA)PYRENE									
75	C780 193-39-5 INDENOC(1,2,3-CD)PYRENE									
76	C785 53-70-3 DIBENZO(CA,H)ANTHRACENE									
77	C790 191-24-2 BENZO(G,H,I)PERYLENE									
78	CXXX 532-27-4 2-CHLORACETOPHENONE									
79	CXXX 62-75-9 N-NITROSODIPHENYLAMINE									
80	CXXX 92-87-5 BENZIDINE									
81	CXXX 122-66-7 DIPHENYLCAZINE/ 103-33-3 AZOBENZENE									

001509

51 NOT FOUND
52 NOT FOUND
53 NOT FOUND

55 NOT FOUND
 56 NOT FOUND
 57 NOT FOUND
 58 NOT FOUND
 59 NOT FOUND
 60 NOT FOUND
 61 NOT FOUND
 62 NOT FOUND

001710

No	n/z	Scan	Time	Ref	RRF	Meth	Area(Hght)	Amount	YTot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001711

Quantitation Report File: 12159317

Data: 12159317.11

12/16/93 3:41:00

Sample: COUNT4011 SUP*50*100

Conds.:

Formula: FIMOL 4 FIMSSM

Instrument: FIMK

Weight: 0.000

Submitted by: CMRITTER

Analyst: 0642

Recd. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-04 #151**
2	C140 1146-65-2 NAPHTHALENE-00 ** IS2 **
3	C150 15067-26-2 ACENAPHTHENE-010 #153**
4	C160 1517-22-2 PHENANTHRENE-D10 #154**
5	C170 1719-03-5 CHRYSENE-010 #155**
6	C175 1520-96-3 PERYLENE-012 #156**
7	C550 367-12-4 2-FLUOROPHENOL #501**
8	C545 4165-62-2 PHENOL-05 #502**
9	C520 4165-60-0 NITROBENZENE-05 #503**
10	C525 321-60-8 2-FLUOROBIPHENYL #504**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL #505**
12	C550 1718-51-0 TERPENEAL-014 #506**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER
23	C370 621-64-7 4-NITROSO-01-PYRROLINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORBONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY) METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROBUTYLNE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL

001712

30 CS10 77-47-4 HEXACHLORO CYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLOROPHTHALENE
42 CS30 88-74-4 2-NITROBENZENE
43 CS35 131-11-3 DIMEHTHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS43 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITROBENZENE
47 CS50 83-32-9 ACENAPHTHENE

001713

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	n/z	Scan	Time	Ref	Ref	Meth	Area(Hght)	Amount	ZTot
1	152	1812	10:20	1	1.000	A 88	194740.	40.000 MG/UL	8.20
2	136	2353	13:25	2	1.000	A 88	637560.	40.000 MG/UL	8.20
3	164	3131	17:51	3	1.000	A 88	319700.	40.000 MG/UL	8.20
4	188	3792	21:37	4	1.000	A 88	420068.	40.000 MG/UL	8.20
5	240	4979	28:23	5	1.000	A 88	191212.	40.000 MG/UL	8.20
6	264	5604	31:57	6	1.000	A 88	150640.	40.000 MG/UL	8.20
7	112	1278	7:17	1	0.705	A 88	288980.	52.506 MG/UL	10.77
8	99	1683	9:36	1	0.929	A 88	330104.	39.987 MG/UL	8.20
9	82	2040	11:40	2	0.870	A 88	230532.	34.451 MG/UL	7.06
10	172	2844	16:13	3	0.908	A 88	365880.	33.917 MG/UL	6.95
11	330	3482	19:51	4	0.918	A 88	97836.	64.511 MG/UL	13.23
12	244	4524	26:47	5	0.909	A 88	118280.	18.242 MG/UL	3.74
13	94	1686	9:37	1	0.930	A 88	5740.	0.641 MG/UL	0.13

14 NOT FOUND

15 NOT FOUND

16 NOT FOUND

17 NOT FOUND

18 NOT FOUND

19 NOT FOUND

20 NOT FOUND

21 NOT FOUND

22 NOT FOUND

23 NOT FOUND

24 NOT FOUND

25 NOT FOUND

26 NOT FOUND

27 NOT FOUND

28 NOT FOUND

29 NOT FOUND

30 NOT FOUND

31 NOT FOUND

32 NOT FOUND

33 NOT FOUND

34 NOT FOUND

35 NOT FOUND

36 NOT FOUND

37 NOT FOUND

38 NOT FOUND

39 NOT FOUND

40 NOT FOUND

41 NOT FOUND

42 NOT FOUND

001714

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

Quantitation Report File: 12159317

Date: 12159317.FI

12/16/93 3:41:00

Sample: CDMTH11 SUR#50#100

Conds.:

Formula: FIMOL4 FIMSN4

Instrument: FIM

Weight: 0.060

Submitted by: DRBITTER

Analyst: 0642

Recd. No.:

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

Resp. Fac. from Library Entry

No	Name	Amount	Area(High)	Ref	Ref Meth	Area(High)	Amount	ZTot
51	C570 121-14-2 2,4-DINITROQUENE							
52	C580 84-66-2 DIETHYLPHTHALATE							
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER							
54	C590 86-73-7 FLUORENE							
55	C595 100-01-6 4-NITROANILINE							
56	C615 86-30-6 N-NITROSODIPHENYLAMINE							
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL							
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER							
59	C630 110-74-1 HEXACHLOROBENZENE							
60	C635 87-86-5 PENTACHLOROPHENOL							
61	C640 85-01-8 PHENANTHRENE							
62	C645 120-12-7 ANTHRACENE							
63	C650 84-74-2 01-N-BUTYLPHTHALATE							
64	C655 206-44-0 FLUORANTHENE							
65	C715 129-00-0 PYRENE							
66	C720 85-68-7 BUTYL BENZYL PHTHALATE							
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE							
68	C730 56-55-3 BENZO(A)ANTHRACENE							
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE							
70	C740 218-01-9 CHRYSENE							
71	C760 117-84-0 DI-N-OCTYLPHTHALATE							
72	C765 205-99-2 BENZO(B)FLUORANTHENE							
73	C770 207-08-9 BENZO(K)FLUORANTHENE							
74	C775 50-32-0 BENZO(A)PYRENE							
75	C780 193-39-5 INDENOX(1,2,3-CD)PYRENE							
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE							
77	C790 191-24-2 BENZO(G,H,I)PERYLENE							
78	CXXX 532-27-4 2-CHLORACETOPHENONE							
79	CXXX 62-75-9 N-NITROSODIETHYLAMINE							
80	CXXX 92-87-5 BENZIDINE							
81	CXXX 122-66-7 ODI(HEXYL)O(HEXYL)NE/ 103-33-3 AZOBENZENE							

001716

No n/z Scan Time Ref Ref Meth Area(High) Amount ZTot

51 NOT FOUND

52 NOT FOUND

53 NOT FOUND

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 NOT FOUND
61 NOT FOUND
62 NOT FOUND

001717

Mo	n/2	Scan	Time	Ref	RSI	Meth	Area(Hght)	Amount	%Tot
63	149	4093	23:20	4	1.079	A BB	2244.	0.107 US/ML	0.04
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	5	1.011	A BB	9896.	2.826 US/ML	0.58
70	NOT	FOUND							
71	149	5312	30:17	6	0.948	A UU	2176.	0.445 US/ML	0.09
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001718

Quantitation Report File: 12159318

Date: 12159318.11

12/16/93 4:38:00

Sample: SPN10C000T0011 S0R450x100 TR4x50x100

Conds.:

Formula: FIMOL4 FIMSSM Instrument: FIMM

Submitted by: DMRTTTER Analyst: 0642

Weight: 0.000

Rect. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-04 **IS1**
2	C140 1146-65-2 NAPHTHALENE-08 **IS2**
3	C150 15067-26-2 ACENAPHTHENE-010 **IS3**
4	C160 1517-22-2 PHENANTHRENE-010 **IS4**
5	C170 1719-03-5 CHRYSENE-010 **IS5**
6	C175 1520-96-3 PERYLENE-012 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-05 **SU2**
9	C520 4165-60-0 NITROBENZENE-05 **SU3**
10	C525 321-60-9 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL **SU5**
12	C530 1718-51-0 TERPHENYL-014 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39639-32-9 BIS(2-CHLOROETHYL)ISOPROPYL ETHER
23	C370 621-64-7 N-NITROSO-N-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORENE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORANILINE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL

001519

38 CS10 77-47-4 METACHLOROXYLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLOROPHTHALENE
42 CS30 88-74-4 2-NITROANILINE
43 CS35 131-11-3 DIMETHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS45 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITROANILINE
47 CS50 83-32-9 ACENAPHTHENE

001720

Mo Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	n/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1812	10:20	1	1.000	A 88	194224.	40.000 MG/UL	3.28
2	136	2354	13:25	2	1.000	A 88	609496.	40.000 MG/UL	3.28
3	164	3131	17:51	3	1.000	A 88	286384.	40.000 MG/UL	3.28
4	188	3792	21:37	4	1.000	A 88	363608.	40.000 MG/UL	3.28
5	240	4979	28:23	5	1.000	A 88	142972.	40.000 MG/UL	3.28
6	264	5604	31:57	6	1.000	A 88	122088.	40.000 MG/UL	3.28
7	112	1278	7:17	1	0.705	A 88	413931.	75.409 UG/ML	6.18
8	99	1686	9:37	1	0.930	A 88	577516.	70.142 UG/ML	5.75
9	82	2049	11:41	2	0.870	A 88	254880.	36.663 UG/ML	3.01
10	172	2844	16:13	3	0.908	A 88	345180.	35.721 UG/ML	2.93
11	330	3482	19:51	4	0.918	A 88	101244.	77.125 UG/ML	6.32
12	244	4524	25:47	5	0.909	A 88	120228.	24.799 UG/ML	2.03
13	94	1693	9:39	1	0.934	A 88	723192.	81.024 UG/ML	6.64
14	NOT FOUND								
15	128	1723	9:49	1	0.951	A 88	521836.	84.132 UG/ML	6.90
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A 88	233528.	33.948 UG/ML	2.78
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2001	11:24	1	1.104	A 88	166960.	29.886 UG/ML	2.45
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A 88	165404.	34.098 UG/ML	2.80
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A 88	397776.	90.695 UG/ML	7.43
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								

601721

44	NOT FOUND						
45	NOT FOUND						
46	NOT FOUND						
47	153 3145	17:56	3	1.004	A E8	257548.	36.529 UG/ML 2.99
48	NOT FOUND						
49	109 3214	18:19	3	1.027	A E8	63408.	86.623 UG/ML 7.10
50	NOT FOUND						

001722

Quantitation Report File: 12159318

Data: 12159318.11

12/16/93 4:38:00

Sample: SPMTCCD001111 SUR50000 TAP500100

Conds.:

Formula: FIDOLA FIMSSM4

Instrument: FIMM

Weight: 0.000

Submitted by: DORITTYER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name
 51 C570 121-14-2 2,4-DINITROTOLUENE
 52 C580 84-66-2 DIETHYLPHTHALATE
 53 C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
 54 C590 86-73-7 FLUORENE

55 C595 100-91-6 4-NITROANILINE

56 C615 86-50-6 N-NITROSODIPHENYLAMINE

57 C610 534-52-1 4,6-DINITRO-2-NITROPHENOL

58 C625 101-53-3 4-BROMOPHENYL-PHENYLETHER

59 C630 118-74-1 HEXACHLOROBENZENE

60 C635 87-86-5 PENTACHLOROPHENOL

61 C640 85-01-8 PHENANTHRENE

62 C645 120-12-7 ANTHRACENE

63 C650 84-74-2 01-N-BUTYLPHTHALATE

64 C655 206-44-0 FLUORANTHENE

65 C715 129-00-0 PYRENE

66 C720 85-68-7 BUTYLBENZYLPHTHALATE

67 C725 91-94-1 3,3'-DICHLOROBENZIDINE

68 C730 56-55-3 BENZO(a)ANTHRACENE

69 C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE

70 C740 218-91-9 CHRYSENE

71 C760 117-84-0 01-N-OCTYLPHTHALATE

72 C765 205-99-2 BENZO(b)FLUORANTHENE

73 C770 207-08-9 BENZO(k)FLUORANTHENE

74 C775 50-32-8 BENZO(a)PYRENE

75 C780 193-39-5 INDENOL(1,2,3-CD)PYRENE

76 C785 53-70-3 DIBENZO(a,h)ANTHRACENE

77 C790 191-24-2 BENZO(g,h,i)PERYLENE

78 CXXX 62-75-9 N-NITROSODIPHENYLAMINE

79 CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-53-3 AZOBENZENE

80 CXXX 92-87-5 BENZIDINE

81 CXXX 532-27-4 2-CHLOROACETOPHENONE

No	r/z	Scan	Time	Ref	RTI	Meth	Area(Hght)	Amount	ZTot
51	165	3231	18:25	3	1.032	A 80	88180.	43.472 UG/ML	3.56

52 NOT FOUND

53 NOT FOUND

001-283

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 266 3711 21:09 4 0.979 0.00 131132. 93.744 US/ML 7.68
61 NOT FOUND
62 NOT FOUND

001724

No	n/z	Scan	Time	Ref	RRT	Meth	Area/Hght	Amount	XTot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4432	25:16	5	0.890	A B8	260544.	43.281 US/ML	3.55
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5033	28:41	5	1.011	A B8	6868.	2.677 US/ML	0.22
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

Quantitation Report File: 12159319

Data: 12159319.T

12/16/93 5:34:00

Sample: SP724000111 SURF50*100 TR050*100

Conds.:

Formula: FIMUL4 FIMESH4 Instrument: FIRM

Submitted by: DMITTER Analyst: 0642

Weight: 0.000
Recd. No.:

AMOUNT=AREA * REF AMNT / (REF AREA * RESP FMT)

Resp. Fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **S15**
2	C140 1146-65-2 NAPHTHALENE-D8 **152**
3	C150 15667-26-2 ACENAPHTHENE-D10 **S13**
4	C160 1517-22-2 PHENANTHRENE-D10 **S14**
5	C170 1719-03-5 CHRYSENE-D10 **S15**
6	C175 1520-96-3 PERYLENE-D12 **S16**
7	C550 367-12-4 2-FLUOROPHENOL **S11**
8	C545 4165-62-2 PHENOL-O5 **S12**
9	C520 4165-60-0 NITROBENZENE-O5 **S13**
10	C525 321-60-8 2-FLUOROBIPHENYL **S14**
11	C555 118-79-6 2,4,6-TRISUBSTITUTED PHENOL **S15**
12	C530 1718-51-0 TERPENEYL-D14 **S16**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(2-CHLOROETHYL)ISOPROPYL ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORBONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORONITROBENZENE
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE
36	C465 59-50-7 4-CHLOR-3-NITROPHENOL

001726

38 C510 77-47-4 HEXACHLOROCHYCLOPENTADIENE
39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
41 C525 91-58-7 2-CHLORONAPHTHALENE
42 C530 88-74-4 2-NITRONITLINE
43 C535 131-11-3 DIMETHYLPHTHALATE
44 C540 208-96-8 ACENAPHTHYLENE
45 C543 606-20-2 2,6-DINITROTOLUENE
46 C545 99-09-2 3-NITRONITLINE
47 C550 85-32-9 ACENAPHTHENE

001727

No Name
 48 C555 51-20-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RT	Meth	Area(Hight)	Amount	XTot
1	152	1812	10:20	1	1.000	A 88	200824.	40.000 UG/UL	3.68
2	136	2354	13:25	2	1.000	A 88	626720.	40.000 UG/UL	3.68
3	164	3130	17:50	3	1.000	A 88	301329.	40.000 UG/UL	3.68
4	188	3791	21:37	4	1.000	A 88	411988.	40.000 UG/UL	3.68
5	240	4979	28:23	5	1.000	A 88	195600.	40.000 UG/UL	3.68
6	264	5604	31:57	6	1.000	A 88	164080.	40.000 UG/UL	3.68
7	112	1279	7:17	1	0.706	A 88	400811.	70.619 UG/ML	6.50
8	99	1886	9:37	1	0.930	A 88	542632.	63.740 UG/ML	5.87
9	82	2048	11:40	2	0.870	A 88	272652.	38.141 UG/ML	3.51
10	172	2844	16:13	3	0.909	A 88	316940.	31.172 UG/ML	2.87
11	330	3482	19:51	4	0.918	A 88	90480.	60.831 UG/ML	5.60
12	244	4623	25:47	5	0.908	A 88	66532.	10.031 UG/ML	0.92
13	94	1692	9:39	1	0.934	A 88	672624.	72.881 UG/ML	6.71
14	NOT FOUND								
15	128	1723	9:49	1	0.951	A 88	502456.	78.345 UG/ML	7.22
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A 88	245616.	34.532 UG/ML	3.18
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2601	11:24	1	1.104	A 88	176212.	30.506 UG/ML	2.81
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A 88	168300.	33.741 UG/ML	3.11
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A 88	312540.	69.303 UG/ML	6.39
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								

001728

44	152	3064	17:28	3	0.979	6 88	26640.	2.159 U5/ML	0.20
45	NOT FOUND								
46	NOT FOUND								
47	153	3444	17:35	3	1.004	6 88	142212.	19.170 U5/ML	1.77
48	NOT FOUND								
49	109	3214	18:19	3	1.027	6 88	74068.	96.167 U5/ML	0.86
50	NOT FOUND								

001729

Quantitation Report File: 12159319

Data: 12159319.TI

12/16/93 5:34:00

Sample: SP124CDDUNTU#11 SUR#50#100 TR#50#100

Conds.:

Formula: FIMOL4 FIMSSM4 Instrument: FIMM

Submitted by: OMRIITER

Analyst: 0642

Weight: 0.000

Acct. No.:

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

Resp. fac. from Library Entry

No	Name	Amount	Area(Hght)	Ref	RR	Meth	Amount	XTot
51	C570 121-14-2 2,4-DINITROTOLUENE							
52	C580 84-66-2 OIETHYLPHTHALATE							
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER							
54	C590 86-73-7 FLUORENE							
55	C595 100-01-6 4-NITROANILINE							
56	C615 86-30-6 N-NITROSODIPHENYLAMINE							
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL							
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER							
59	C630 118-74-1 HEXACHLOROBENZENE							
60	C635 87-86-5 PENTACHLOROPHENOL							
61	C640 85-01-8 PHENANTHRENE							
62	C645 120-12-7 ANTHRACENE							
63	C650 84-74-2 OI-N-BUTYLPHTHALATE							
64	C655 206-44-0 FLUORANTHENE							
65	C715 129-00-0 PYRENE							
66	C720 85-68-7 BUTYLBENZYLPHTHALATE							
67	C725 91-94-1 3,3'-DICHLORODIBENZO[1,2,3-CD]PYRENE							
68	C730 56-55-3 BENZO[<i>a</i>]ANTHRACENE							
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE							
70	C740 218-01-9 CHRYSENE							
71	C760 117-84-0 OI-N-DECELPHTHALATE							
72	C765 205-99-2 BENZO[<i>b</i>]FLUORANTHENE							
73	C770 207-08-9 BENZO[<i>k</i>]FLUORANTHENE							
74	C775 50-32-0 BENZO[<i>a</i>]PYRENE							
75	C780 193-39-5 INDENO[1,2,3- <i>cd</i>]PYRENE							
76	C785 53-70-3 DIBENZ[<i>a,h</i>]ANTHRACENE							
77	C790 191-24-2 BENZO[<i>g,h,i</i>]PERYLENE							
78	CXXX 62-75-9 N-NITRODIPHENYLAMINE							
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE							
80	CXXX 92-07-5 BENZIDINE							
81	CXXX 532-27-4 2-CHLORODIBENZO[<i>a,h</i>]ANTHRACENE							

No	n/z	Scan	Time	Ref	RR	Meth	Amount	XTot
51	165	3232	18:25	3	1.033	A BB	99620.	46.622 US/ML 4.29

52 NOT FOUND

53 NOT FOUND

001550

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 266 3711 21:09 4 0.979 0.88 109412. 69.031 US/ML 6.36
61 NOT FOUND
62 NOT FOUND

001731

No	n/z	Scan	Time	Ref	PRT	Meth	Area(Hight)	Amount	XTot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4431	25:15	5	0.890	A 88	108880.	13.220 UG/ML	1.22
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5033	28:41	5	1.011	A 88	19516.	5.560 UG/ML	0.51
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001732

Quantitation Report File: 12169304

Data: 12169304.11

12/16/98 16:19:00

Sample: M0111801 SUR+50+100

Conds.:

Formula: F1M0L4 F1M5S14

Instrument: F1M

Weight: 0.000

Submitted by: DRILLITER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-D5 **SU2**
9	C520 4165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRICHLOROPHENOL **SU5**
12	C530 1718-51-0 TERPHEYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER
15	C330 95-57-0 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(2-CHLOROETHYL)ISOPROPYL ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHTHALENE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROPHTHALENE
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL

001733

38 CS10 77-47-4 HEXACHLOROCYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLORONAPHTHALENE
42 CS30 88-74-4 2-NITRONITRILE
43 CS35 131-11-3 DIMETHYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHYLENE
45 CS43 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITRONITRILE
47 CS50 83-32-9 ACENAPHTHENE

001734

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 OISENZUFURAN

No	m/z	Scan	Time	Ref	Met	Area(Hight)	Amount	Xtot
1	152	1810	10:19	1	1.000 A 00	149824.	40.000 NG/UL	7.23
2	136	2352	13:24	2	1.000 A 00	450740.	40.000 NG/UL	7.23
3	164	3129	17:50	3	1.000 A 00	214868.	40.000 NG/UL	7.23
4	188	3790	21:36	4	1.000 A 00	247052.	40.000 NG/UL	7.23
5	240	4977	28:22	5	1.000 A 00	72476.	40.000 NG/UL	7.23
6	264	5803	31:56	6	1.000 A 00	56528.	40.000 US/ML	7.23
7	112	1277	7:17	1	0.706 A 00	313433.	68.108 US/ML	12.31
8	99	1682	9:35	1	0.929 A 00	424376.	67.463 US/ML	12.19
9	82	2047	11:40	2	0.870 A 00	183240.	35.242 US/ML	6.37
10	172	2843	16:12	3	0.909 A 00	239848.	32.215 US/ML	5.82
11	330	3480	19:50	4	0.918 A 00	64804.	71.662 US/ML	12.95
12	244	4523	25:47	5	0.909 A 00	104556.	38.806 US/ML	7.01
13	NOT FOUND							
14	NOT FOUND							
15	NOT FOUND							
16	NOT FOUND							
17	NOT FOUND							
18	NOT FOUND							
19	NOT FOUND							
20	NOT FOUND							
21	NOT FOUND							
22	NOT FOUND							
23	NOT FOUND							
24	NOT FOUND							
25	NOT FOUND							
26	NOT FOUND							
27	NOT FOUND							
28	NOT FOUND							
29	NOT FOUND							
30	NOT FOUND							
31	NOT FOUND							
32	NOT FOUND							
33	NOT FOUND							
34	NOT FOUND							
35	NOT FOUND							
36	NOT FOUND							
37	NOT FOUND							
38	NOT FOUND							
39	NOT FOUND							
40	NOT FOUND							
41	NOT FOUND							
42	NOT FOUND							

001735

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

Quantitation Report File: 12169304

Data: 12169304.TI

12/16/93 16:19:00

Sample: ME1118a1 SUP&S0a100

Conds.:

Formula: FIMOL4 FIMSSN4

Instrument: FIRM

Height: 0.000

Submitted by: DMRTTTER

Analyst: 0042

Hcct. No.:

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

Resp. fac. from Library Entry

No	Name	Area(Hght)	Amount	Ztot
51	C570 121-14-2 2,4-DINITROTOLUENE			
52	C580 84-66-2 DIETHYLPHTHALATE			
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER			
54	C590 86-73-7 FLUORENE			
55	C595 100-01-6 4-NITROANILINE			
56	C615 86-30-6 N-NITROSODIMETHYLAMINE			
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL			
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER			
59	C630 110-74-1 HEXACHLOROCYCLOHEXENE			
60	C635 87-86-5 PENTACHLOROPHENOL			
61	C640 85-01-8 PHENANTHRENE			
62	C645 120-12-7 ANTHRACENE			
63	C650 84-74-2 DI-4-BUTYLPHTHALATE			
64	C655 206-44-0 FLUORANTHENE			
65	C715 129-00-0 PYRENE			
66	C720 85-69-7 BUTYLBENZYLPHTHALATE			
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE			
68	C730 56-55-3 BENZO(a)ANTHRACENE			
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE			
70	C740 218-01-9 CHRYSENE			
71	C760 117-84-0 DI-N-OCTYLPHTHALATE			
72	C765 205-99-2 BENZO(b)FLUORANTHENE			
73	C770 207-08-0 BENZO(k)FLUORANTHENE			
74	C775 50-32-8 BENZO(a)PYRENE			
75	C780 193-39-5 INDENOL(1,2,3-CD)PYRENE			
76	C785 53-70-3 DIBENZO(a,h)ANTHRACENE			
77	C790 191-24-2 BENZO(g,h,i)PERYLENE			
78	CXXX 532-27-4 2-CHLORODIBENZO(a,h)ANTHRACENE			
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE			
80	CXXX 92-87-5 BENZIDINE			
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE			

No n/z Scan Time Ref SST Meth Area(Hght) Amount Ztot

51 NOT FOUND

52 NOT FOUND

53 NOT FOUND

001737

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 NOT FOUND
61 NOT FOUND
62 NOT FOUND

001738

No	m/z	Scan	Time	Ref	Met	Area(High)	Amount	ZTot
63	NOT	FOUND						
64	NOT	FOUND						
65	NOT	FOUND						
66	NOT	FOUND						
67	NOT	FOUND						
68	NOT	FOUND						
69	NOT	FOUND						
70	NOT	FOUND						
71	NOT	FOUND						
72	NOT	FOUND						
73	NOT	FOUND						
74	NOT	FOUND						
75	NOT	FOUND						
76	NOT	FOUND						
77	NOT	FOUND						
78	NOT	FOUND						
79	NOT	FOUND						
80	NOT	FOUND						
81	NOT	FOUND						

001739

Quantitation Report File: 12169305

Data: 12169305.II

12/16/93 17:17:00

Sample: CONTINUA12 SUR500100

Conds.:

Formula: FIDOL4 FIDSSM4

Instrument: FIDM

Weight: 0.000

Submitted by: OMRIITER

Analyst: 0842

Recd. No.:

AMOUNT=AREA * REF AMNT/REF AREA * RESP FACT

Resp. fac. from Library Entry

No	Name	
1	C130 3855-02-1 1,4-DICHLOROBENZENE-04	0015100
2	C140 1146-65-2 NAPHTHALENE-08	0015200
3	C150 15067-26-2 ACENAPHTHENE-010	0015300
4	C160 1517-22-2 PHENANTHRENE-010	0015400
5	C170 1719-03-5 CHRYSENE-010	0015500
6	C175 1520-96-3 PERYLENE-012	0015600
7	C250 367-12-4 2-FLUOROPHENOL	0015700
8	C245 4165-62-2 PHENOL-05	0015800
9	C250 4165-60-0 NITROBENZENE-05	0015900
10	C255 321-60-8 2-FLUOROBIPHENYL	0016000
11	C255 118-79-6 2,4,6-TRISOPHENOL	0016100
12	C230 1718-51-0 TERPHEYL-014	0016200
13	C315 108-95-2 PHENOL	
14	C325 111-44-4 BIS(2-CHLOROETHYL) ETHER	
15	C330 95-57-8 2-CHLOROPHENOL	
16	C335 541-73-1 1,3-DICHLOROBENZENE	
17	C340 106-46-7 1,4-DICHLOROBENZENE	
18	C350 95-50-1 1,2-DICHLOROBENZENE	
19	C345 100-51-6 BENZYL ALCOHOL	
20	C355 95-48-7 2-METHYLPHENOL	
21	C365 106-44-5 4-METHYLPHENOL	
22	C360 39638-32-9 BIS(2-CHLOROETHYL) ISOPROPYL ETHER	
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE	
24	C375 67-72-1 HEXACHLOROCYCLOHEPTANE	
25	C410 98-95-3 NITROBENZENE	
26	C415 78-59-1 ISOPHORENE	
27	C420 88-75-5 2-NITROPHENOL	
28	C425 105-67-9 2,4-DIMETHYLPHENOL	
29	C430 65-85-0 BENZOIC ACID	
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE	
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE	
32	C440 120-83-2 2,4-DICHLOROPHENOL	
33	C450 91-20-3 NAPHTHALENE	
34	C455 106-47-9 4-CHLORONITROBENZENE	
35	C460 87-68-3 HEXACHLOROCYCLOHEPTADIENE	
36	C465 59-50-7 4-CHLOR-3-NITROBENZENE	

38 CS10 77-47-4 HEXACHLOROXYCLOPENTADIENE
39 CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40 CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41 CS25 91-58-7 2-CHLORONAPHTHALENE
42 CS30 88-74-4 2-NITRONITRILE
43 CS35 131-11-3 DIME THYLPHTHALATE
44 CS40 208-96-8 ACENAPHTHALENE
45 CS43 606-20-2 2,6-DINITROTOLUENE
46 CS45 99-09-2 3-NITRONITRILE
47 CS50 83-32-9 ACENAPHTHENE

001741

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-84-9 OIBENZOFURAN

Ln	n/z	Scan	Time	Ref	Ref	Meth	Area(Hght)	Amount	YTot
1	152	1811	10:19	1	1.000	A 88	146076.	40.000 UG/UL	7.57
2	136	2352	13:24	2	1.000	A 88	444792.	40.000 UG/UL	7.57
3	164	3129	17:50	3	1.000	A 88	217332.	40.000 UG/UL	7.57
4	188	3790	21:36	4	1.000	A 88	246220.	40.000 UG/UL	7.57
5	240	4977	28:22	5	1.000	A 88	75084.	40.000 UG/UL	7.57
6	264	5602	31:56	6	1.000	A 88	58276.	40.000 UG/UL	7.57
7	112	1277	7:17	1	0.705	A 88	259602.	57.058 UG/UL	10.95
8	99	1682	9:35	1	0.929	A 88	353180.	57.585 UG/UL	10.89
9	82	2046	11:40	2	0.870	A 88	177124.	54.522 UG/UL	6.53
10	172	2842	16:12	3	0.908	A 88	239648.	31.823 UG/UL	6.02
11	330	3480	19:50	4	0.918	A 88	59940.	66.507 UG/UL	12.58
12	244	4523	25:47	5	0.909	A 88	110708.	39.662 UG/UL	7.50
13	94	1686	9:37	1	0.931	A 88	4312.	0.688 UG/UL	0.13

14 NOT FOUND

15 NOT FOUND

16 NOT FOUND

17 NOT FOUND

18 NOT FOUND

19 NOT FOUND

20 NOT FOUND

21 NOT FOUND

22 NOT FOUND

23 NOT FOUND

24 NOT FOUND

25 NOT FOUND

26 NOT FOUND

27 NOT FOUND

28 NOT FOUND

29 NOT FOUND

30 NOT FOUND

31 NOT FOUND

32 NOT FOUND

33 NOT FOUND

34 NOT FOUND

35 NOT FOUND

36 NOT FOUND

37 NOT FOUND

38 NOT FOUND

39 NOT FOUND

40 NOT FOUND

41 NOT FOUND

42 NOT FOUND

001742

44 NOT FOUND
45 NOT FOUND
46 NOT FOUND
47 NOT FOUND
48 NOT FOUND
49 NOT FOUND
50 NOT FOUND

001743

55 NOT FOUND
56 NOT FOUND
57 NOT FOUND
58 NOT FOUND
59 NOT FOUND
60 NOT FOUND
61 NOT FOUND
62 NOT FOUND

No	N/Z	Scan	Time	Ref	RRT	Meth	Area(Light)	Amount	ZTot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001746

DECAFLUOROTRIPHENYLPHOSPHINE

48 525

Tuning Report Data: 12089301A #1148 Base m/z: 198
12/08/93 12:02:00 + 6:33 Call: FC43120893 # 3 RIC: 904192.
Instrument: FINN Analyst: 0642 Acct. No.:
#1148 to #1149 summed
Case Number: Laboratory: Contract:
Comments: METHOD 625 ION ABUNDANCE CRITERIA

m/z	Intensity	Z RA	Ion Abundance Criteria			Actual	Status
			Min %	Max %	Mass		
51	52480.	44.66	30.00	60.00	198	44.66	PASS
69	0.	0.00	---	2.00	69	0.00	PASS
69	63232.	53.81	0.00	100.00	198	53.81	PASS
70	0.	0.00	---	2.00	69	0.00	PASS
127	54400.	46.30	40.00	60.00	198	46.30	PASS
197	0.	0.00	---	1.00	198	0.00	PASS
198	117504.	100.00	100.0	---	---	100.00	PASS
199	7696.	6.55	5.00	9.00	198	6.55	PASS
275	26528.	22.58	10.00	30.00	198	22.58	PASS
365	2724.	2.32	1.00	---	198	2.32	PASS
441	13552.	11.53	---	100.00	443	74.69	PASS
442	93696.	79.74	40.00	---	198	79.74	PASS
443	18144.	15.44	17.00	23.00	442	19.36	PASS

001747

Mass List
12/08/93 12:02:00 + 6:33
Sample: 50 NG DFIPP
Conds.:
#1148 to #1149 summed

Data: 12089301A #1148
Call: FC43120893 # 3

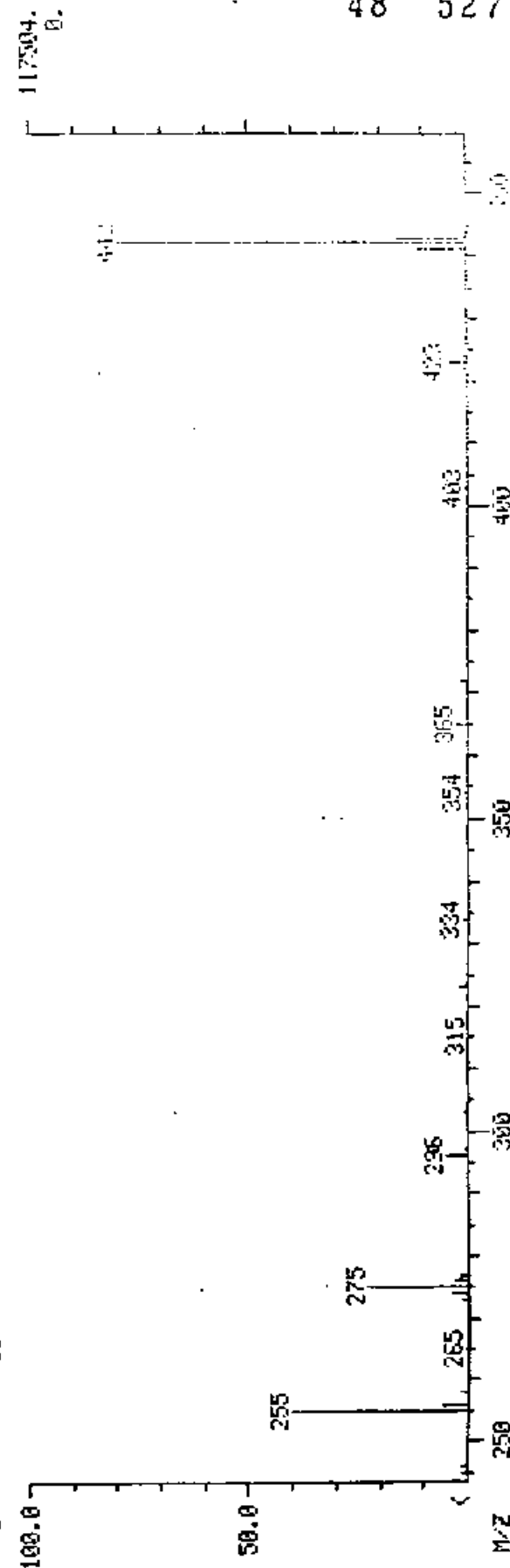
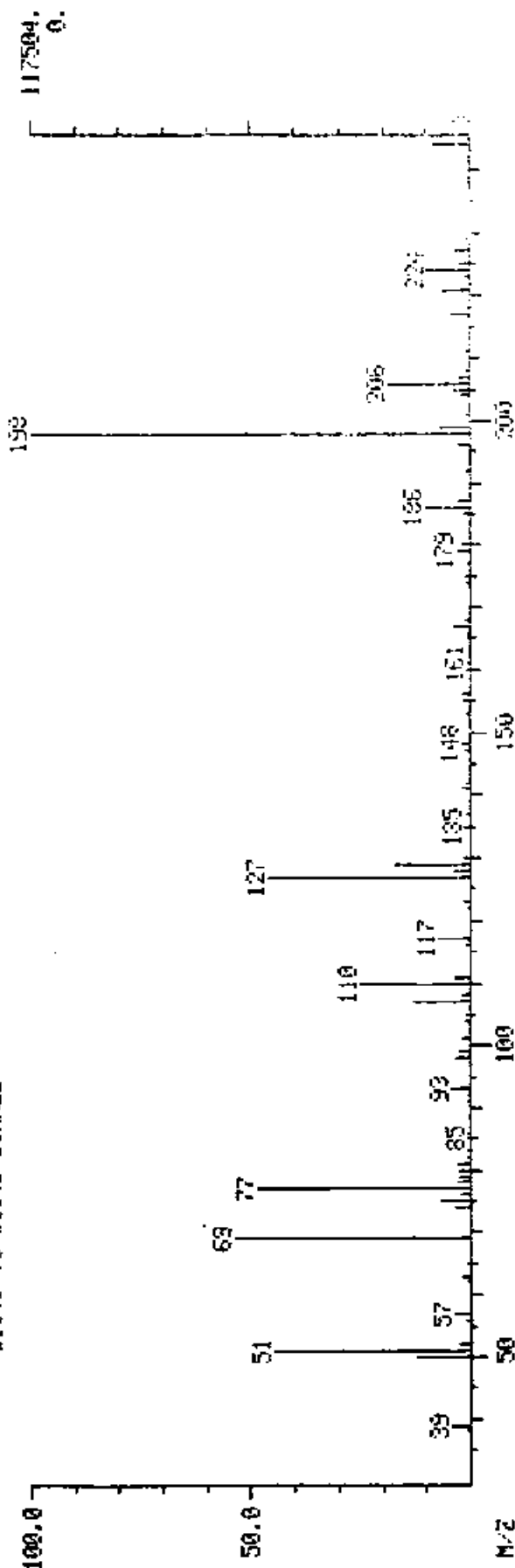
Base m/z: 198
RIC: 904192

38 444 Mass	0.00 % RA	0. Inten.	Minima Maxima Mass	Min Inten: # 0 % RA	754. Inten.
397	4.08	4792.	168	1.39	1636.
50	12.06	14176.	174	0.75	876.
51	44.66	52480.	175	1.34	1580.
52	2.20	2584.	179	2.72	3192.
56	1.45	1700.	180	1.82	2144.
57	3.37	3956.	181	0.86	1008.
63	1.57	1848.	185	1.12	1320.
65	0.87	1020.	186	10.36	12176.
69	53.81	63232.	187	3.03	3560.
74	3.87	4544.	192	0.78	920.
75	6.30	7408.	193	0.89	1044.
76	2.28	2684.	196	2.69	3156.
77	48.69	57216.	198	100.00	117504.
78	3.19	3748.	199	6.55	7696.
79	2.58	3028.	201	0.75	884.
80	2.15	2532.	204	2.45	2884.
81	3.02	3548.	205	4.17	4904.
82	0.78	912.	206	18.33	21536.
83	0.77	908.	207	2.45	2880.
85	0.81	956.	211	1.30	1528.
86	0.75	880.	217	4.90	5760.
91	0.65	760.	221	6.80	7992.
92	0.70	824.	223	1.04	1224.
93	4.25	4992.	224	9.61	11296.
98	2.94	3452.	225	2.47	2908.
99	2.65	3116.	227	3.79	4456.
101	1.62	1908.	229	0.82	968.
104	0.99	1168.	244	8.54	10032.
105	0.89	1040.	245	1.14	1344.
107	12.54	14736.	246	1.35	1592.
108	1.85	2176.	255	39.98	46976.
110	25.38	29824.	256	5.80	6816.
111	3.73	4384.	258	1.97	2312.
117	7.19	8448.	265	0.75	884.
122	0.65	764.	270	1.22	1428.
123	1.07	1260.	274	3.77	4432.
127	46.30	54400.	275	22.56	26528.
128	3.38	3972.	276	2.75	3228.
129	17.08	20064.	277	1.52	1764.
130	1.36	1596.	296	4.51	5296.
135	1.26	1464.	320	1.66	2000.
137	0.66	804.	334	1.06	1272.
141	1.81	2176.	365	2.62	2728.
143	0.66	776.	376	1.00	1176.
147	0.92	1076.	423	4.81	5648.
148	1.78	2052.	424	0.84	988.
153	1.01	1192.	441	11.53	13552.
156	1.57	1840.	442	79.74	95696.
161	0.86	1008.	443	15.44	18144.
167	3.55	4168.	444	1.43	1676.

MASS SPECTRUM
 12/08/93 12:02:00 + 6:33
 SAMPLE: 50 NG QFTFP
 CONDS.:
 TEMP: 264 DEG. C
 #1148 TO #1149 SUMMED

DATA: 12069301A #1148
 CALL: FC43120693 #3

BASE N: 2: 198
 PIC: 900192.



001749

DECAFLUOROTRIPHENYLPHOSPHINE

48 528

Tuning Report
12/15/93 13:46:00 + 6:32
Instrument: FINN
#1144 to #1146 summed

Data: 12159301 #1145
Cell: FC43120893 # 3
Analyst: 0642

Base m/z: 198
RIC: 719872.
Acct. No.:

Case Number:

Laboratory:

Contract:

Comments: METHOD 625 ION ABUNDANCE CRITERIA

m/z	Intensity	Z RA	Ion Abundance Criteria			Actual	Status
			Min Z	Max Z	Mass		
51	45696.	45.59	30.00	60.00	198	45.59	PASS
68	0.	0.00	---	2.00	69	0.00	PASS
69	48064.	47.96	0.00	100.00	198	47.96	PASS
70	0.	0.00	---	2.00	69	0.00	PASS
127	42496.	42.40	40.00	60.00	198	42.40	PASS
197	0.	0.00	---	1.00	198	0.00	PASS
198	100224.	100.00	100.0	---	---	100.00	PASS
199	6224.	6.21	5.00	9.00	198	6.21	PASS
275	22240.	22.19	10.00	30.00	198	22.19	PASS
365	1984.	1.98	1.00	---	198	1.98	PASS
441	11408.	11.38	---	100.00	443	70.52	PASS
442	81536.	81.35	40.00	---	198	81.35	PASS
443	16176.	16.14	17.00	23.00	442	19.84	PASS

001750

Mass List
12/15/93 13:46:00 + 6:32
Sample: 50 NG DFTPP
Conds.:
#1144 to #1146 summed

Data: 12159301 #1145
Call: FC43120893 # 3

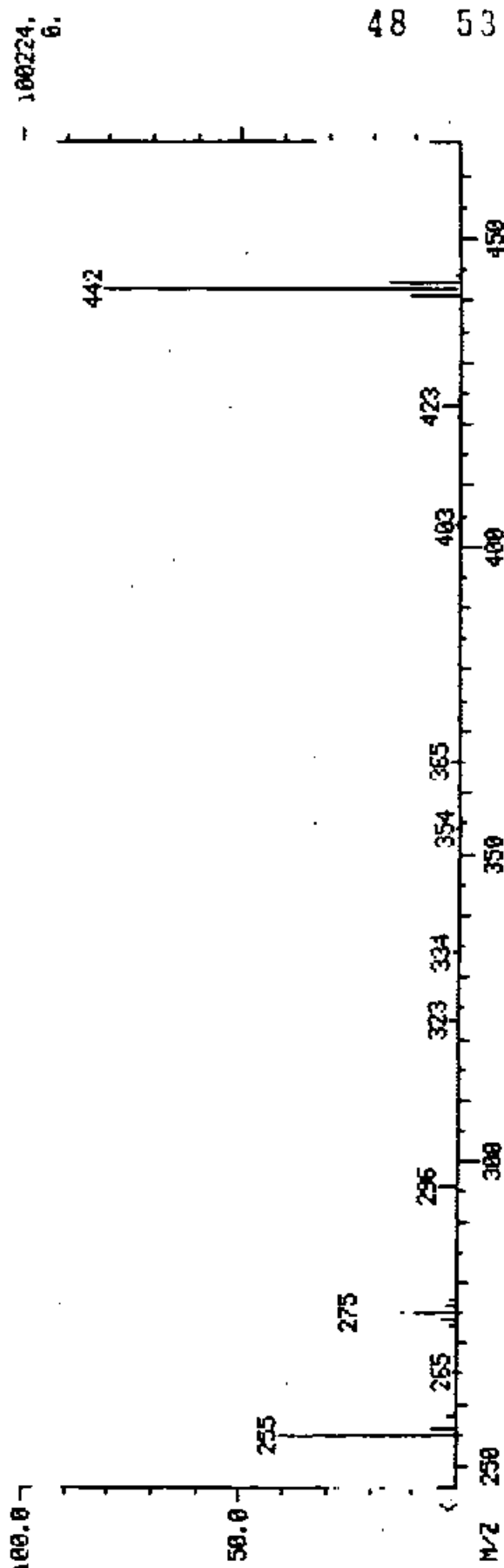
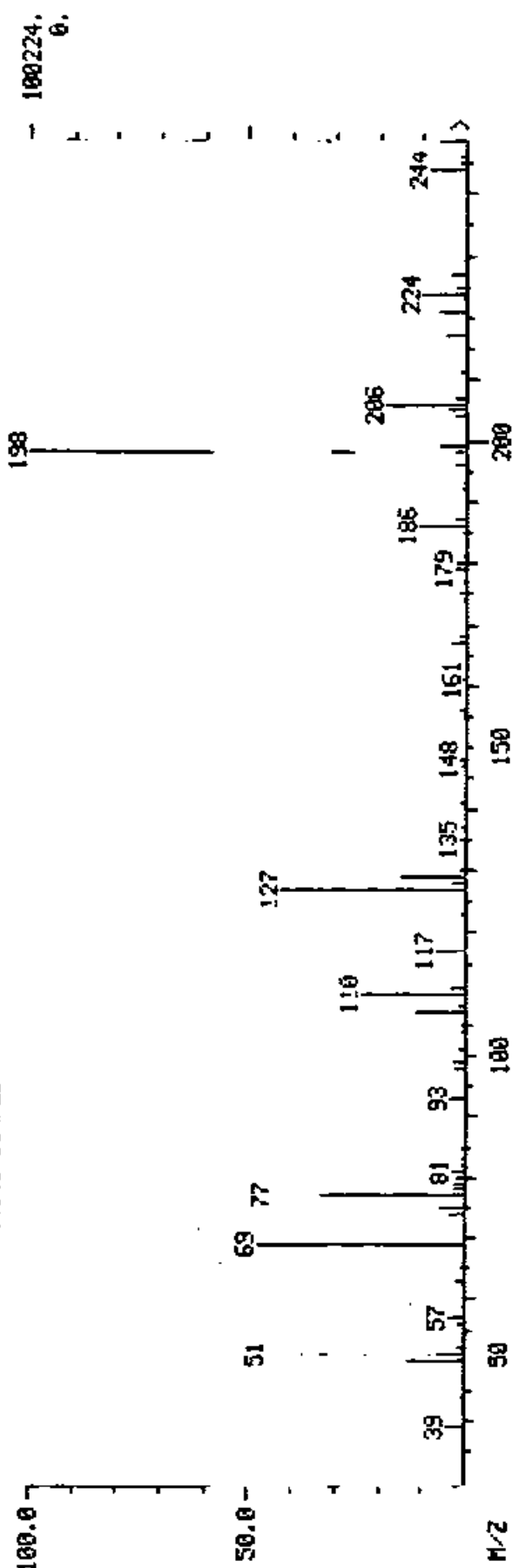
Base m/z: 198
RIC: 719872.

38 444 Mass	0.00 % RA	0. Inten.	Minima Maxima Mass	Min Inten: # 0 % RA	301. Inten.
387	0.30	304.	179	2.57	2572.
397	4.45	4456.	180	1.54	1540.
447	0.30	304.	181	0.72	724.
50	13.12	13152.	183	0.84	840.
51	45.59	45696.	186	10.49	10512.
52	2.05	2056.	187	2.59	2600.
56	1.42	1424.	192	0.36	356.
57	3.40	3404.	193	0.78	780.
63	1.64	1644.	196	2.43	2436.
65	0.35	348.	198	100.00	100224.
69	47.96	48064.	199	6.21	6224.
74	3.59	3596.	204	2.29	2296.
75	5.61	5624.	205	4.14	4152.
77	44.51	44608.	206	18.39	18432.
78	2.63	2636.	207	2.32	2324.
79	2.20	2208.	211	1.13	1132.
80	1.88	1888.	217	4.83	4840.
81	2.77	2776.	221	6.36	6376.
82	0.31	308.	223	0.86	860.
83	0.37	368.	224	9.95	9968.
85	0.37	368.	225	2.10	2108.
93	3.77	3776.	227	3.53	3536.
98	2.62	2624.	229	0.71	712.
99	2.41	2420.	244	8.48	8496.
101	1.12	1124.	245	1.05	1048.
104	0.72	720.	246	1.07	1068.
105	0.37	372.	255	40.61	40704.
107	11.25	11280.	256	5.50	5512.
108	1.36	1368.	258	1.59	1596.
110	24.01	24064.	265	0.65	652.
111	2.85	2852.	273	1.13	1128.
117	6.47	6488.	274	3.80	3804.
123	0.83	836.	275	22.19	22240.
127	42.40	42496.	276	2.47	2476.
128	3.12	3124.	277	1.31	1312.
129	15.18	15216.	296	4.43	4440.
130	0.97	972.	323	1.66	1660.
135	1.01	1008.	334	1.00	1000.
137	0.31	308.	354	0.34	336.
141	1.46	1464.	365	1.98	1984.
147	0.78	784.	372	0.88	884.
148	1.26	1264.	403	0.34	344.
155	0.80	804.	421	0.31	308.
156	1.25	1256.	423	4.24	4248.
161	0.36	356.	424	0.50	500.
167	3.36	3368.	441	11.38	11408.
168	1.38	1384.	442	81.35	81536.
174	0.32	316.	443	16.14	16176.
175	1.17	1176.	444	1.25	1256.
177	0.31	308.			

001751

MASS SPECTRUM
12/15/93 13:46:00 + 6:32
SAMPLE: 50 NG DFTPP
COND.:
TEMP: 263 DEG. C
#1144 TO #1146 SUMMED

DATA: 12159381 #1145
CALI: FC43120893 #3
BASE M/Z: 198
RIC: 719872.



001752

DECAFLUOROTRIPHENYLPHOSPHINE

48 531

Tuning Report

12/16/93 1:34:00 + 6:30

Instrument: FINN

#1140 to #1142 summed

Case Number:

Comments: METHOD 625 ION ABUNDANCE CRITERIA

Data: 12159314 #1141

Call: FC43120893 # 3

Analyst: 0642

Base m/z: 198

RIC: 412160.

Acct. No.:

Laboratory:

Contract:

m/z	Intensity	Z RA	Ion Abundance Criteria			Actual	Status
			Min %	Max %	Mass		
51	27968.	47.97	30.00	60.00	198	47.97	PASS
68	0.	0.00	---	2.00	69	0.00	PASS
69	29248.	50.16	0.00	100.00	198	50.16	PASS
70	0.	0.00	---	2.00	69	0.00	PASS
127	24064.	41.27	40.00	60.00	198	41.27	PASS
197	0.	0.00	---	1.00	198	0.00	PASS
198	58304.	100.00	100.0	---	---	100.00	PASS
199	3640.	6.24	5.00	9.00	198	6.24	PASS
275	12544.	21.51	10.00	30.00	198	21.51	PASS
365	1112.	1.91	1.00	---	198	1.91	PASS
441	6192.	10.62	---	100.00	443	70.75	PASS
442	44672.	76.62	40.00	---	198	76.62	PASS
443	8752.	15.01	17.00	23.00	442	19.59	PASS

001753

Mass List
12/16/93 1:34:00 + 6:30
Sample: 50NG DFTPP
Conds.:
#1140 to #1142 summed

Date: 12159314 #1141
Call: FC43120893 # 3

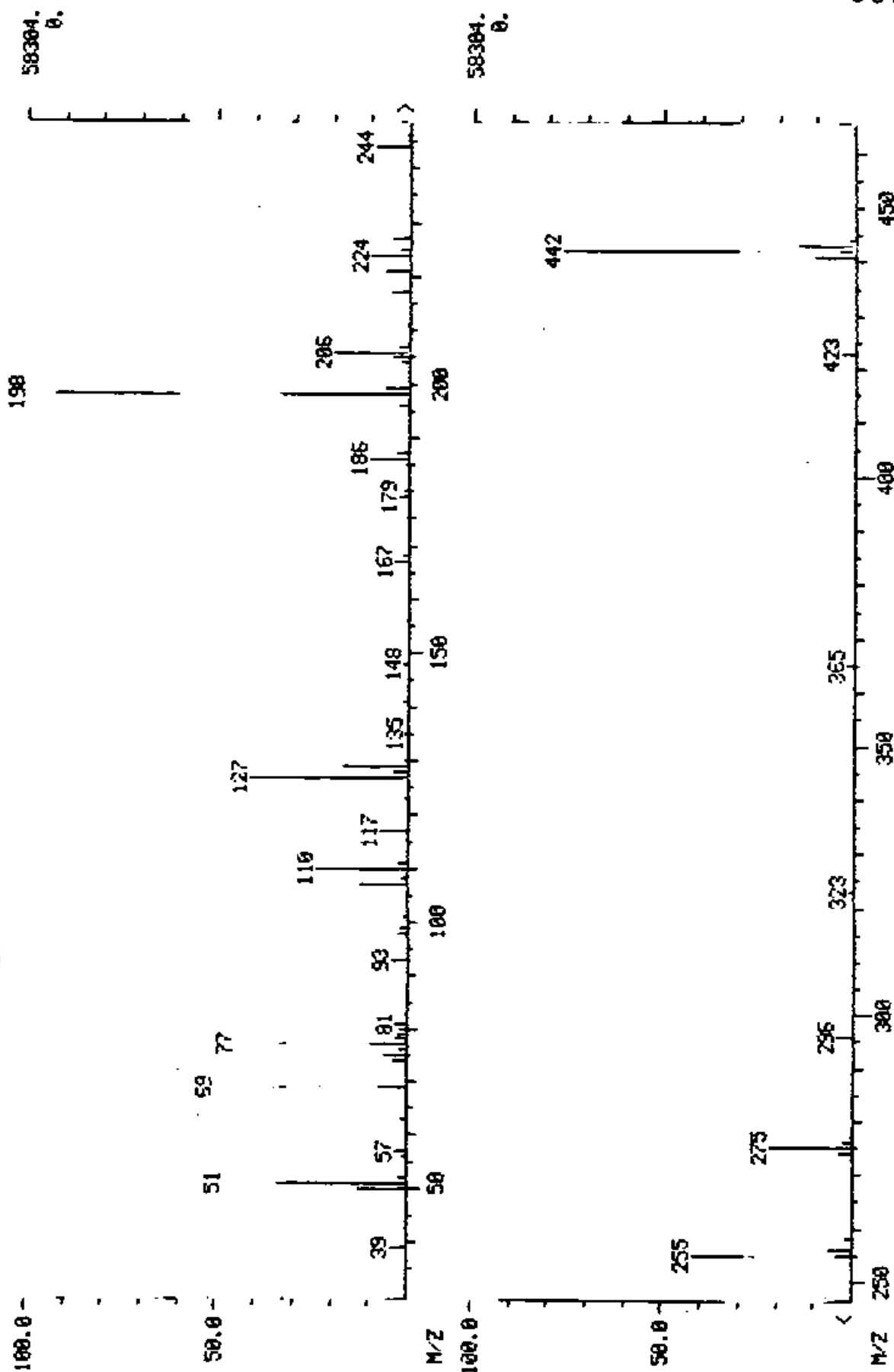
48 532
Base m/z: 198
RIC: 412160.

39 444 Mass	0.00 % RA	0. Inten.	Minima Maxima Mass	Min Inten: # 0 % RA	0. Inten.
39?	4.46	2600.	217	4.86	2832.
50	12.77	7448.	221	6.02	3508.
51	47.97	27968.	224	10.14	5712.
52	1.91	1112.	225	2.30	1456.
56	1.22	712.	227	4.03	2352.
57	2.86	1668.	244	8.69	3064.
63	1.34	780.	245	0.62	360.
69	50.16	29248.	246	0.63	368.
74	3.71	2164.	255	42.21	24608.
75	5.95	3468.	256	5.82	3396.
76	1.98	1152.	258	1.57	916.
77	44.84	26144.	273	0.57	332.
78	3.03	1764.	274	3.41	1788.
79	2.15	1252.	275	21.51	12544.
80	1.80	1052.	276	2.65	1544.
81	3.22	1880.	277	0.76	444.
93	3.94	2296.	296	4.47	2608.
98	2.39	1392.	323	1.19	692.
99	1.96	1144.	365	1.91	1112.
101	1.30	760.	423	3.68	2148.
107	12.45	7256.	441	10.62	6192.
108	1.43	832.	442	76.62	44672.
110	24.18	14096.	443	19.01	8752.
111	2.41	1404.	444	1.20	700.
117	7.42	4328.			
123	0.53	308.			
127	41.27	24064.			
128	3.42	1992.			
129	16.98	9664.			
130	0.62	360.			
135	0.63	368.			
141	1.41	820.			
148	1.46	852.			
156	0.70	408.			
167	3.50	2040.			
168	1.33	776.			
175	0.62	364.			
179	2.66	1548.			
180	1.43	832.			
185	0.66	384.			
186	10.13	5904.			
187	3.06	1784.			
196	2.46	1432.			
198	100.00	58304.			
199	6.24	3640.			
204	1.85	1080.			
205	4.21	2432.			
206	19.51	11376.			
207	2.54	1480.			
211	0.78	452.			

001754

MASS SPECTRUM
12/16/93 11:34:00 + 6:30
SAMPLE: 50MG OFTPP
COND.S.:
TEMP: 264 DEG. C
#1140 TO #1142 SUMMED

DATA: 12199314 #1141
CALL: FC43120893 #3
BASE M/Z: 198
RIC: 412160.



001755

DECAFLUOROTRIPHENYLPHOSPHINE

48 534

Tuning Report

12/16/93 14:11:00 + 6:30

Instrument: FINN

#1140 to #1142 summed

Case Number:

Comments: METHOD 625 10N ABUNDANCE CRITERIA

Data: 12169301 #1141

Cal: FC43120893 # 3

Analyst: 0642

Base m/z: 198

RIC: 417280.

Acct. No.:

Laboratory:

Contract:

m/z	Intensity	Z RA	Ion Abundance Criteria			Actual	Status
			Min Z	Max Z	Mass		
51	30976.	56.87	30.00	60.00	198	56.87	PASS
68	0.	0.00	---	2.00	69	0.00	PASS
69	32736.	60.11	0.00	100.00	198	60.11	PASS
70	0.	0.00	---	2.00	69	0.00	PASS
127	25760.	47.30	40.00	60.00	198	47.30	PASS
197	0.	0.00	---	1.00	198	0.00	PASS
198	54464.	100.00	100.0	---	---	100.00	PASS
199	3604.	6.62	5.00	9.00	198	6.62	PASS
275	12576.	23.09	10.00	30.00	198	23.09	PASS
365	1096.	2.01	1.00	---	198	2.01	PASS
441	5624.	10.33	---	100.00	443	72.40	PASS
442	39744.	72.97	40.00	---	198	72.97	PASS
443	7768.	14.26	17.00	23.00	442	19.55	PASS

001756

Mass List
12/16/93 14:11:00 + 6:30
Sample: 50NG DFTPP
Conds.:
#1140 to #1142 summed

Date: 12169301 #1141
Cell: FC43120893 # 3

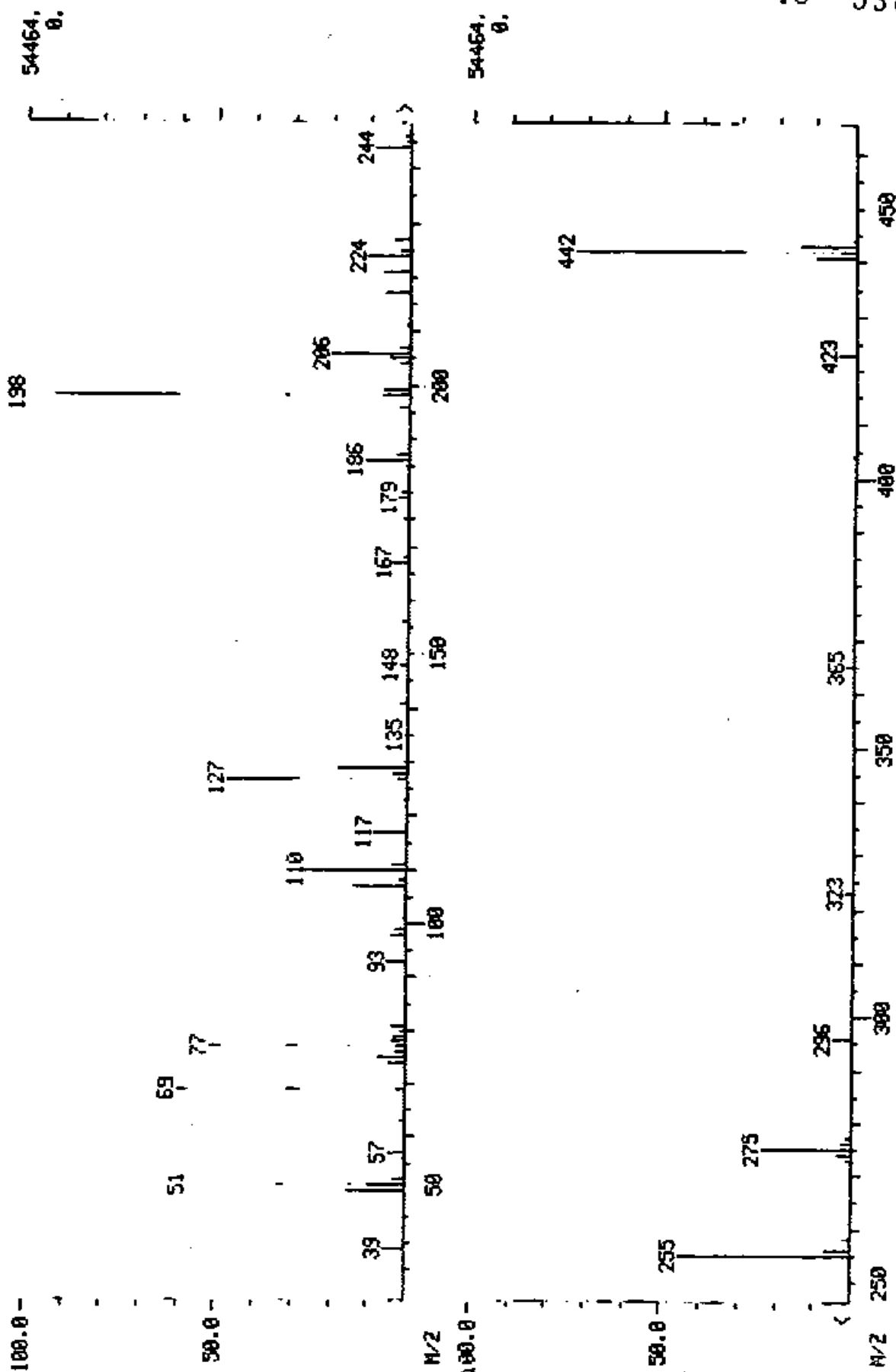
Base m/z: 198
RIC: 417280.

39 444 Mass	0.00 % RA Inten.	0. Inten.	Minima Maxima Mass	Min #	Inten: O % RA Inten.	O. Inten.
397	5.17	2816.	217	5.93	3228.	
50	14.98	8160.	221	6.50	3540.	
51	56.87	30976.	224	10.78	5872.	
52	2.75	1500.	225	2.26	1232.	
56	0.79	432.	227	4.22	2296.	
57	3.97	2164.	244	9.25	5040.	
63	0.93	508.	245	0.56	304.	
69	60.11	32736.	246	1.38	752.	
74	4.28	2332.	255	44.83	24416.	
75	7.45	4056.	256	6.46	3516.	
76	2.53	1380.	258	2.06	1120.	
77	51.76	28192.	273	1.27	692.	
78	3.33	1816.	274	3.51	1912.	
79	3.02	1644.	275	23.09	12576.	
80	1.87	1020.	276	2.57	1400.	
81	3.33	1812.	277	1.36	740.	
93	4.55	2476.	296	4.94	2692.	
98	3.31	1804.	323	1.76	960.	
99	3.08	1680.	365	2.01	1096.	
101	0.84	456.	423	3.92	2136.	
107	13.75	7488.	441	10.33	5624.	
108	1.66	904.	442	72.97	39744.	
110	26.50	14432.	443	14.26	7768.	
111	3.58	1952.	444	0.70	380.	
117	8.34	4544.				
123	0.60	328.				
127	47.30	25760.				
128	3.55	1932.				
129	18.04	9824.				
130	0.60	328.				
135	0.73	400.				
141	1.75	952.				
148	1.75	952.				
156	1.42	776.				
167	3.88	2112.				
168	1.46	796.				
175	1.19	648.				
179	2.50	1360.				
180	1.76	960.				
185	0.66	360.				
186	11.62	6328.				
187	2.86	1556.				
196	2.25	1224.				
198	100.00	54464.				
199	6.62	3604.				
204	2.25	1224.				
205	4.93	2684.				
206	20.24	11024.				
207	2.23	1216.				
211	0.60	328.				

001757

MASS SPECTRUM
12/16/93 14:11:00 + 6:30
SAMPLE: 50NG DF1PP
COND.:
TEMP: 264 DEG. C
#1140 TO #1142 SUMMED

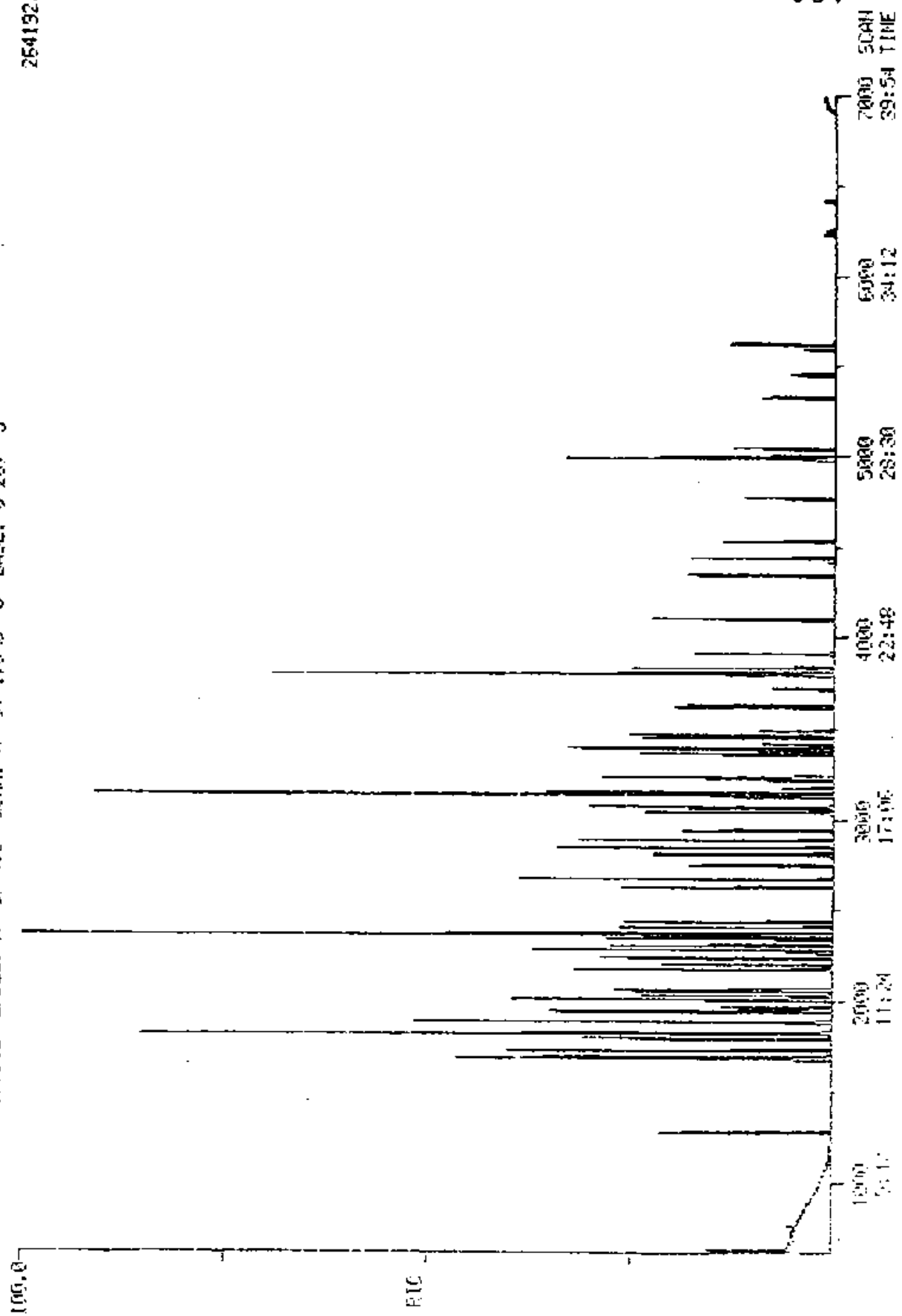
DATA: 12169301 #1141
CALI: FC43120893 03
BASE M/Z: 198
RIC: 417280.



001758

RIC
 12-08-93 12:21:00
 SAMPLE: 20MG SU STD MIX
 L0005.1
 RUNTIME: 6 1.7532 LABEL: N 0. 4.0 QUANT: A 0. 1.0 J 0 BASE: U 20. 3
 DATA: 12083002 #1
 CALL: 12083002 #3
 80813-37-20A
 SCANS 520 TO 7000

254192.



001759

Data: 12089302.TI

12/08/93 12:21:00

Sample: 20NG SV STD MIX 00813-37-20A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-85-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D9 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C250 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLORO-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	CS10 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	CS15 68-06-2 2,4,6-TRICHLOROPHENOL
40	CS20 95-95-4 2,4,5-TRICHLOROPHENOL
41	CS25 91-58-7 2-CHLORONAPHTHALENE
42	CS30 68-74-4 2-NITROANILINE
43	CS35 131-11-3 DIMETHYLPHTHALATE
44	CS40 208-96-8 ACENAPHTHYLENE
45	CS43 606-20-2 2,6-DINITROTOLUENE
46	CS45 99-09-2 3-NITROANILINE
47	CS50 83-32-9 ACENAPHTHENE

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1823	10:23	1	1.000	A BB	192048.	40.000 NG/UL	2.41
2	136	2365	13:29	2	1.000	A BB	608992.	40.000 NG/UL	2.41
3	164	3142	17:55	3	1.000	A BB	298156.	40.000 NG/UL	2.41
4	188	3805	21:41	4	1.000	A BB	358364.	40.000 NG/UL	2.41
5	240	4994	28:28	5	1.000	A BB	163188.	40.000 NG/UL	2.41
6	264	5623	32:03	6	1.000	A BB	118636.	40.000 UG/ML	2.41
7	112	1287	7:20	1	0.706	A BB	88520.	20.000 UG/ML	1.20
8	99	1690	9:38	1	0.927	A BB	131520.	20.000 UG/ML	1.20
9	82	2058	11:44	2	0.870	A BB	114552.	20.000 UG/ML	1.20
10	172	2855	16:16	3	0.909	A BB	152364.	20.000 UG/ML	1.20
11	330	3493	19:35	4	0.918	A BB	19520.	20.000 UG/ML	1.20
12	244	4537	25:52	5	0.908	A BB	88892.	20.000 UG/ML	1.20
13	94	1695	9:40	1	0.930	A BB	146956.	20.000 UG/ML	1.20
14	93	1729	9:51	1	0.948	A BB	118540.	20.000 UG/ML	1.20
15	128	1732	9:52	1	0.950	A BB	97800.	20.000 UG/ML	1.20
16	146	1796	10:14	1	0.968	A BB	105968.	20.000 UG/ML	1.20
17	146	1829	10:26	1	1.003	A BB	105612.	20.000 UG/ML	1.20
18	146	1889	10:46	1	1.036	A BB	101132.	20.000 UG/ML	1.20
19	108	1891	10:47	1	1.037	A BB	63308.	20.000 UG/ML	1.20
20	108	1947	11:06	1	1.068	A BB	91684.	20.000 UG/ML	1.20
21	108	2014	11:29	1	1.108	A BB	94888.	20.000 UG/ML	1.20
22	45	1959	11:10	1	1.075	A BV	127872.	20.000 UG/ML	1.20
23	70	2010	11:27	1	1.103	A BB	86924.	20.000 UG/ML	1.20
24	117	2031	11:35	1	1.114	A BB	47212.	20.000 UG/ML	1.20
25	77	2066	11:47	2	0.874	A BB	110392.	20.000 UG/ML	1.20
26	82	2176	12:24	2	0.920	A BB	203360.	20.000 UG/ML	1.20
27	139	2204	12:34	2	0.932	A BB	46592.	20.000 UG/ML	1.20
28	107	2241	12:46	2	0.948	A BB	81648.	20.000 UG/ML	1.20
29	122	2285	13:01	2	0.966	A BB	40940.	20.000 UG/ML	1.20
30	93	2285	13:01	2	0.966	A BB	126676.	20.000 UG/ML	1.20
31	180	2345	13:22	2	0.992	A BB	74520.	20.000 UG/ML	1.20
32	162	2310	13:10	2	0.977	A BB	69152.	20.000 UG/ML	1.20
33	128	2374	13:32	2	1.004	A BB	239840.	20.000 UG/ML	1.20
34	127	2408	13:44	2	1.018	A BB	100556.	20.000 UG/ML	1.20
35	225	2440	13:54	2	1.032	A BB	44552.	20.000 UG/ML	1.20
36	107	2633	15:00	2	1.113	A BB	66992.	20.000 UG/ML	1.20
37	142	2682	15:17	2	1.134	A BB	149772.	20.000 UG/ML	1.20
38	237	2756	15:43	3	0.877	A BB	41892.	20.000 UG/ML	1.20
39	196	2812	16:02	3	0.895	A BB	40228.	20.000 UG/ML	1.20
40	196	2824	16:06	3	0.899	A BB	42860.	20.000 UG/ML	1.20
41	162	2895	16:30	3	0.921	A BB	122208.	20.000 UG/ML	1.20
42	69	2948	16:48	3	0.938	A BB	47712.	20.000 UG/ML	1.20
43	163	3047	17:22	3	0.970	A BB	138636.	20.000 UG/ML	1.20
44	152	3077	17:32	3	0.979	A BB	194756.	20.000 UG/ML	1.20
45	165	3066	17:29	3	0.976	A BB	27948.	20.000 UG/ML	1.20
46	128	3948	18:48	3	0.928	A BB	39636.	20.000 UG/ML	1.20
47	151	3156	17:59	3	1.004	A BB	113376.	20.000 UG/ML	1.20
48	136	3180	18:08	3	1.012	A BB	11452.	20.000 UG/ML	1.20
49	169	3219	18:21	3	1.025	A BB	10112.	20.000 UG/ML	1.20
50	168	3235	18:26	3	1.028	A BB	165896.	20.000 UG/ML	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:23	0.99	0.654	1.08	20.00	20.00	0.922	0.922	1.00
8	9:42	0.99	0.946	0.98	20.00	20.00	1.370	1.370	1.00
9	11:47	1.00	0.864	1.01	20.00	20.00	0.376	0.376	1.00
10	16:19	1.00	0.907	1.00	20.00	20.00	1.022	1.022	1.00
11	19:58	1.00	0.917	1.00	20.00	20.00	0.109	0.109	1.00
12	25:54	1.00	0.906	1.00	20.00	20.00	1.089	1.089	1.00
13	9:44	0.99	0.950	0.98	20.00	20.00	1.530	1.530	1.00
14	9:55	0.99	0.957	0.99	20.00	20.00	1.234	1.234	1.00
15	9:55	1.00	0.948	1.00	20.00	20.00	1.018	1.018	1.00
16	10:17	1.00	0.983	1.00	20.00	20.00	1.104	1.104	1.00
17	10:28	1.00	1.006	1.00	20.00	20.00	1.100	1.100	1.00
18	10:49	1.00	1.043	0.99	20.00	20.00	1.053	1.053	1.00
19	10:51	0.99	1.069	0.97	20.00	20.00	0.659	0.659	1.00
20	11:09	1.00	1.102	0.97	20.00	20.00	0.955	0.955	1.00
21	11:33	0.99	1.154	0.96	20.00	20.00	0.988	0.988	1.00
22	11:12	1.00	1.096	0.98	20.00	20.00	1.332	1.332	1.00
23	11:32	0.99	1.158	0.95	20.00	20.00	0.905	0.905	1.00
24	11:37	1.00	1.129	0.99	20.00	20.00	0.492	0.492	1.00
25	11:50	0.99	0.869	1.01	20.00	20.00	0.363	0.363	1.00
26	12:28	0.99	0.927	0.99	20.00	20.00	0.668	0.668	1.00
27	12:37	1.00	0.929	1.00	20.00	20.00	0.153	0.153	1.00
28	12:50	1.00	0.961	0.99	20.00	20.00	0.269	0.269	1.00
29	13:13	0.98	1.032	0.94	20.00	20.00	0.134	0.134	1.00
30	13:05	1.00	0.977	0.99	20.00	20.00	0.416	0.416	1.00
31	13:25	1.00	0.992	1.00	20.00	20.00	0.245	0.245	1.00
32	13:13	1.00	0.986	0.99	20.00	20.00	0.227	0.227	1.00
33	13:35	1.00	1.006	1.00	20.00	20.00	0.789	0.788	1.00
34	13:46	1.00	1.025	0.99	20.00	20.00	0.330	0.330	1.00
35	13:57	1.00	1.026	1.00	20.00	20.00	0.146	0.146	1.00
36	15:04	1.00	1.141	0.98	20.00	20.00	0.220	0.220	1.00
37	15:20	1.00	1.150	0.99	20.00	20.00	0.492	0.492	1.00
38	15:45	1.00	0.868	1.01	20.00	20.00	0.281	0.281	1.00
39	16:04	1.00	0.893	1.00	20.00	20.00	0.270	0.270	1.00
40	16:09	1.00	0.898	1.00	20.00	20.00	0.288	0.288	1.00
41	16:33	1.00	0.918	1.00	20.00	20.00	0.820	0.820	1.00
42	16:52	1.00	0.943	0.99	20.00	20.00	0.320	0.320	1.00
43	17:25	1.00	0.980	0.99	20.00	20.00	0.930	0.930	1.00
44	17:35	1.00	0.978	1.00	20.00	20.00	1.306	1.306	1.00
45	17:32	1.00	0.986	0.99	20.00	20.00	0.187	0.187	1.00
46	16:52	1.00	0.943	0.99	20.00	20.00	0.266	0.266	1.00
47	18:03	1.00	1.007	1.00	20.00	20.00	0.753	0.753	1.00
48	18:11	1.00	1.024	0.99	20.00	20.00	0.077	0.077	1.00
49	18:25	1.00	1.045	0.98	20.00	20.00	0.068	0.068	1.00
50	18:29	1.00	1.025	1.00	20.00	20.00	1.113	1.113	1.00

Quantitation Report File: 12089302

Data: 12089302.TI

12/08/93 12:21:00

Sample: 20NG SV STD MIX 00813-37-20A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITRODTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENDL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENDL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBNZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532027-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3241	18:28	3	1.032	A BE	34012.	20.000 UG/ML	1.20
52	149	3367	19:12	3	1.072	A BE	125612.	20.000 UG/ML	1.20
53	204	3401	19:23	3	1.082	A BE	65418.	20.000 UG/ML	1.20
54	166	3387	19:19	3	1.076	A BE	128632	20.000 UG/ML	1.20
55	136	3402	19:23	3	1.083	A BE	13016	20.000 UG/ML	1.20
56	169	3455	19:42	3	1.100	A BE	86024.	20.000 UG/ML	1.20
57	198	3419	19:29	4	0.899	A BE	16464	20.000 UG/ML	1.20
58	248	3617	20:37	4	0.951	A BE	34224.	20.000 UG/ML	1.20
59	284	3630	20:41	4	0.954	A BE	36872.	20.000 UG/ML	1.20
60	336	3722	21:13	4	0.976	A BE	19710	20.000 UG/ML	1.20
61	175	3914	21:44	4	1.008	A BE	18448.	20.000 UG/ML	1.20
62	178	3637	21:32	4	1.008	A BE	16271.	20.000 UG/ML	1.20
63	149	4185	22:24	4	1.079	A BE	16638	20.000 UG/ML	1.20
64	252	4347	24:47	4	1.142	A BE	11906.	20.000 UG/ML	1.20
65	202	4445	25:20	5	0.890	A BE	12322.	20.000 UG/ML	1.20

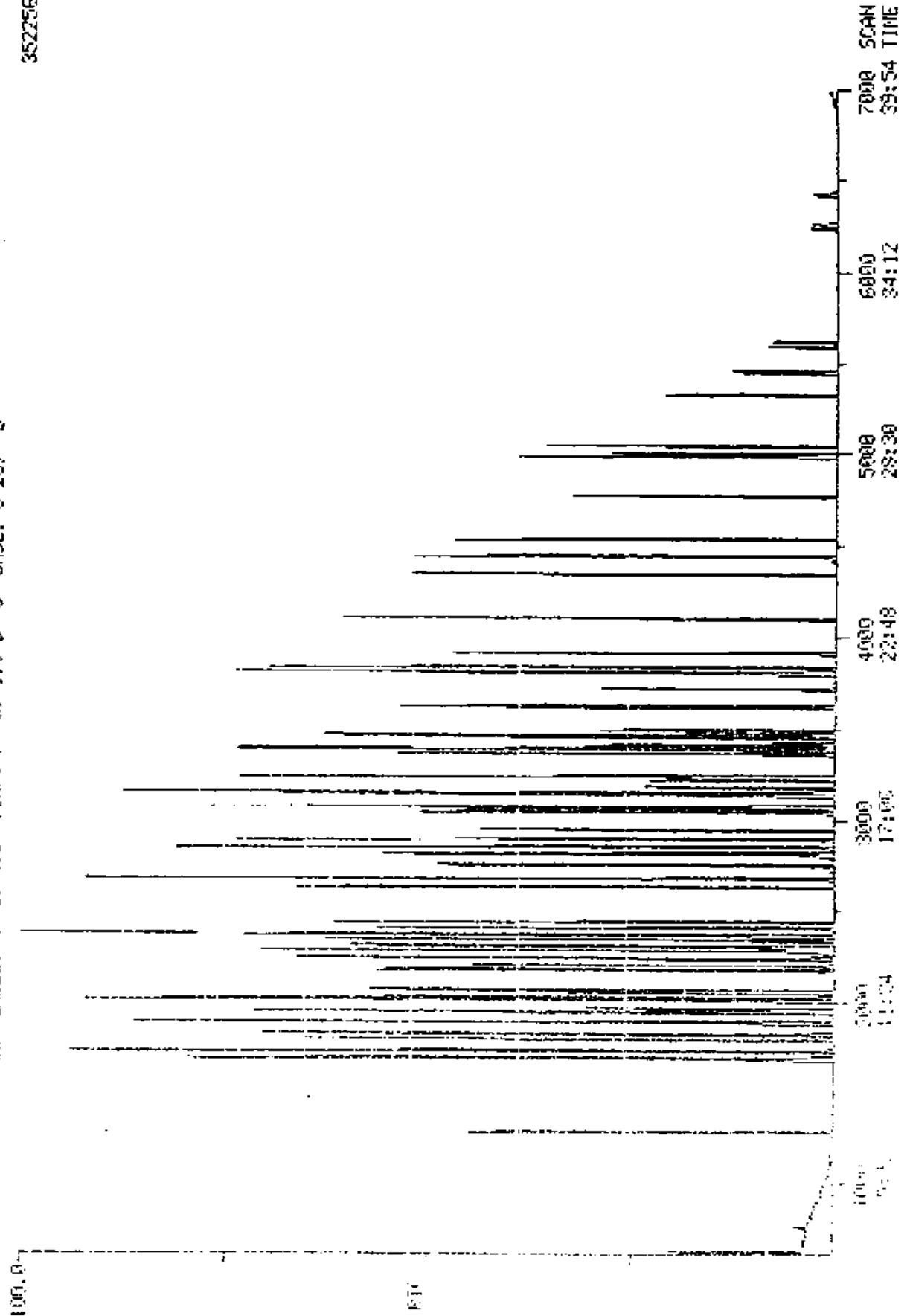
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	149	4775	27:13	5	0.956	A BB	42668.	20.000 UG/ML	1.20
67	252	4991	28:27	5	0.999	A BB	12808.	20.000 UG/ML	1.20
68	228	4991	28:27	5	0.999	A BV	70376.	20.000 UG/ML	1.20
69	149	5047	28:46	5	1.011	A BB	48244.	20.000 UG/ML	1.20
70	228	5005	28:32	5	1.002	A BB	58702.	20.000 UG/ML	1.20
71	149	5329	30:23	6	0.948	A BB	67012.	20.000 UG/ML	1.20
72	252	5447	31:03	6	0.969	A BV	41592.	20.000 UG/ML	1.20
73	252	5460	31:07	6	0.971	A VB	43460.	20.000 UG/ML	1.20
74	252	5594	31:53	6	0.995	A BB	37084.	20.000 UG/ML	1.20
75	276	6239	35:34	6	1.110	A BB	23284.	20.000 UG/ML	1.20
76	278	6264	35:42	6	1.114	A BB	22016.	20.000 UG/ML	1.20
77	276	6424	36:37	6	1.142	A BB	24388.	20.000 UG/ML	1.20
78	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:32	1.00	1.046	0.99	20.00	20.00	0.228	0.228	1.00
52	19:15	1.00	1.090	0.98	20.00	20.00	0.843	0.843	1.00
53	19:26	1.00	1.094	0.99	20.00	20.00	0.439	0.439	1.00
54	19:21	1.00	1.086	0.99	20.00	20.00	0.863	0.863	1.00
55	19:27	1.00	1.107	0.98	20.00	20.00	0.087	0.087	1.00
56	19:49	1.00	1.116	0.98	20.00	20.00	0.577	0.577	1.00
57	19:33	1.00	0.904	0.99	20.00	20.00	0.092	0.092	1.00
58	20:40	1.00	0.952	1.00	20.00	20.00	0.191	0.191	1.00
59	20:45	1.00	0.951	1.00	20.00	20.00	0.217	0.217	1.00
60	21:16	1.00	0.981	1.00	20.00	20.00	0.093	0.093	1.00
61	21:47	1.00	1.005	1.00	20.00	20.00	0.862	0.862	1.00
62	21:55	1.00	1.011	1.00	20.00	20.00	0.852	0.852	1.00
63	23:26	1.00	1.092	0.99	20.00	20.00	0.930	0.930	1.00
64	24:49	1.00	1.152	0.99	20.00	20.00	0.666	0.666	1.00
65	25:23	1.00	0.884	1.01	20.00	20.00	1.518	1.518	1.00
66	27:15	1.00	0.960	1.00	20.00	20.00	0.523	0.523	1.00
67	28:29	1.00	1.002	1.00	20.00	20.00	0.157	0.157	1.00
68	28:29	1.00	0.999	1.00	20.00	20.00	0.863	0.863	1.00
69	28:48	1.00	1.019	0.99	20.00	20.00	0.591	0.591	1.00
70	28:34	1.00	1.003	1.00	20.00	20.00	0.719	0.719	1.00
71	30:24	1.00	0.959	0.99	20.00	20.00	1.130	1.130	1.00
72	31:06	1.00	0.973	1.00	20.00	20.00	0.701	0.701	1.00
73	31:10	1.00	0.975	1.00	20.00	20.00	0.733	0.733	1.00
74	31:57	1.00	0.996	1.00	20.00	20.00	0.625	0.625	1.00
75	25:39	1.00	1.080	1.02	20.00	20.00	0.393	0.393	1.00
76	35:47	1.00	1.063	1.03	20.00	20.00	0.371	0.371	1.00
77	36:44	1.00	1.102	1.04	20.00	20.00	0.411	0.411	1.00
78	13:24		1.000						

001764

PIC
 12-03-91 13:13:00
 SAMPLE: 50MG 50 510 MIX
 00405.3
 00013-37-500
 DATA: 12089303 #1
 CALL: FC43120593 #3
 00013-37-500
 1-7962 LABEL: H 0, 4.0 CURVE: A 0, 1.0 J 0 BASE: U 20, 3
 SCANS 620 TO 7000

352256.



001765

Data: 12089303.TI

12/08/93 13:13:00

Sample: 50N9 SV STD MIX 00813-37-50A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1917-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	CS15 108-95-2 PHENOL
14	CS25 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	CS30 95-57-8 2-CHLOROPHENOL
16	CS35 541-73-1 1,3-DICHLOROBENZENE
17	CS40 106-46-7 1,4-DICHLOROBENZENE
18	CS50 95-50-1 1,2-DICHLOROBENZENE
19	CS45 100-51-6 BENZYL ALCOHOL
20	CS55 95-48-7 2-METHYLPHENOL
21	CS65 106-44-5 4-METHYLPHENOL
22	CS60 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	CS70 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	CS75 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLORO-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	CS10 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	CS15 88-06-2 2,4,6-TRICHLOROPHENOL
40	CS20 90-90-4 2,4,5-TRICHLOROPHENOL
41	C475 91-59-7 2-CHLORONAPHTHALENE
42	CS30 88-74-4 2-NITROANILINE
43	CS35 131-11-3 DIMETHYLPHTHALATE
44	CS40 208-96-8 ACENAPHTHYLENE
45	CS45 606-26-2 2,6-DINITROBENZENE
46	CS49 99-09-2 3-NITROANILINE
47	CS50 83-32-9 ACENAPHTHENE

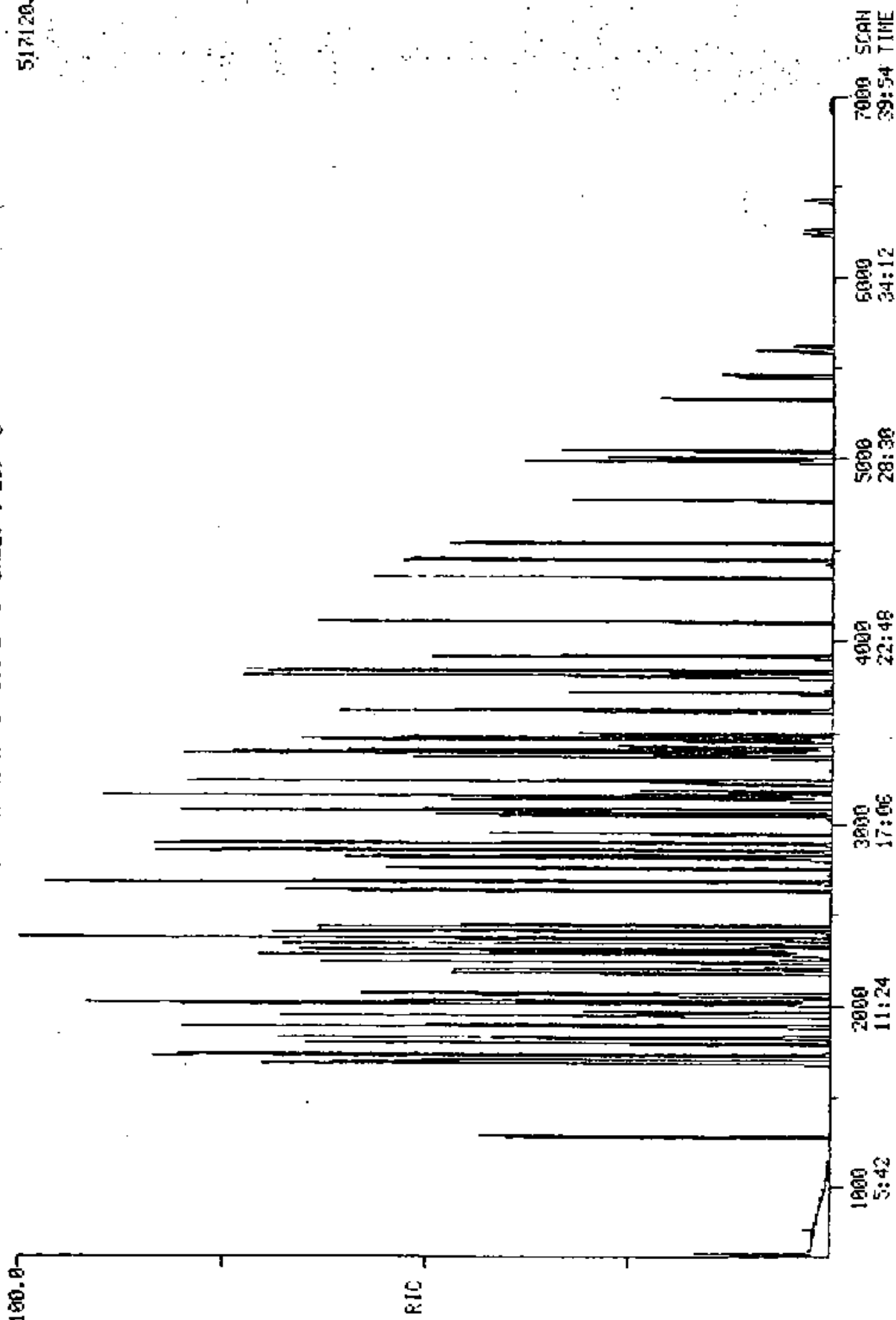
No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1823	10:23	1	1.000	A BB	181576.	40.000 NG/UL	1.06
2	136	2366	13:29	2	1.000	A BB	615492.	40.000 NG/UL	1.06
3	164	3144	17:55	3	1.000	A BB	301728.	40.000 NG/UL	1.06
4	188	3805	21:41	4	1.000	A BB	386996.	40.000 NG/UL	1.06
5	240	4994	28:28	5	1.000	A BB	177684.	40.000 NG/UL	1.06
6	264	5623	32:03	6	1.000	A BB	100860.	40.000 UG/ML	1.06
7	112	1288	7:20	1	0.707	A BB	242349.	50.000 UG/ML	1.32
8	99	1694	9:39	1	0.929	A BB	365900.	50.000 UG/ML	1.32
9	82	2061	11:45	2	0.871	A BB	342824.	50.000 UG/ML	1.32
10	172	2856	16:17	3	0.908	A BB	509720.	50.000 UG/ML	1.32
11	330	3496	19:56	4	0.919	A BB	68444.	50.000 UG/ML	1.32
12	244	4538	25:52	5	0.909	A BB	346084.	50.000 UG/ML	1.32
13	94	1699	9:41	1	0.932	A BB	404852.	50.000 UG/ML	1.32
14	93	1731	9:52	1	0.950	A BB	330272.	50.000 UG/ML	1.32
15	128	1733	9:53	1	0.951	A BB	283368.	50.000 UG/ML	1.32
16	146	1797	10:15	1	0.986	A BB	315592.	50.000 UG/ML	1.32
17	146	1830	10:26	1	1.004	A BB	314516.	50.000 UG/ML	1.32
18	146	1890	10:46	1	1.037	A BB	300440.	50.000 UG/ML	1.32
19	108	1895	10:48	1	1.039	A BB	193940.	50.000 UG/ML	1.32
20	108	1949	11:07	1	1.069	A BB	277992.	50.000 UG/ML	1.32
21	108	2017	11:30	1	1.106	A BB	288228.	50.000 UG/ML	1.32
22	45	1960	11:10	1	1.075	A BV	351436.	50.000 UG/ML	1.32
23	70	2014	11:29	1	1.105	A BB	247496.	50.000 UG/ML	1.32
24	117	2032	11:35	1	1.119	A BB	142332.	50.000 UG/ML	1.32
25	77	2069	11:48	2	0.874	A BB	323824.	50.000 UG/ML	1.32
26	82	2179	12:25	2	0.921	A BB	590964.	50.000 UG/ML	1.32
27	139	2205	12:34	2	0.932	A BB	148012.	50.000 UG/ML	1.32
28	107	2244	12:47	2	0.948	A BB	261096.	50.000 UG/ML	1.32
29	122	2309	13:10	2	0.976	A BB	111652.	50.000 UG/ML	1.32
30	93	2288	13:02	2	0.967	A BB	390708.	50.000 UG/ML	1.32
31	180	2346	13:22	2	0.992	A BB	242260.	50.000 UG/ML	1.32
32	162	2312	13:11	2	0.977	A BB	221436.	50.000 UG/ML	1.32
33	128	2375	13:32	2	1.004	A BB	762796.	50.000 UG/ML	1.32
34	127	2410	13:44	2	1.019	A BB	319824.	50.000 UG/ML	1.32
35	229	2440	13:54	2	1.031	A BB	141808.	50.000 UG/ML	1.32
36	107	2635	15:01	2	1.114	A BB	225620.	50.000 UG/ML	1.32
37	142	2684	15:18	2	1.134	A BB	508064.	50.000 UG/ML	1.32
38	237	2757	15:43	3	0.877	A BB	147776.	50.000 UG/ML	1.32
39	196	2813	16:02	3	0.895	A BV	139226.	50.000 UG/ML	1.32
40	196	2825	16:06	3	0.899	A BV	149380.	50.000 UG/ML	1.32
41	162	2898	16:30	3	0.921	A BB	428400.	50.000 UG/ML	1.32
42	65	2951	16:49	3	0.939	A BB	159504.	50.000 UG/ML	1.32
43	163	3050	17:23	3	0.970	A BB	445068.	50.000 UG/ML	1.32
44	152	3078	17:33	3	0.979	A BB	262184.	50.000 UG/ML	1.32
45	169	3069	17:30	3	0.976	A BB	101752.	50.000 UG/ML	1.32
46	138	3551	25:49	2	1.019	A BB	142332.	50.000 UG/ML	1.32
47	151	2198	10:30	2	1.014	A BB	351732.	50.000 UG/ML	1.32
48	184	2182	15:04	2	1.012	A BB	73204.	50.000 UG/ML	1.32
49	105	2327	13:22	2	1.028	A BB	37828.	50.000 UG/ML	1.32
50	168	3137	15:27	3	1.020	A BB	587752.	50.000 UG/ML	1.32

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:23	0.99	0.654	1.08	50.00	50.00	1.068	1.068	1.00
8	9:42	1.00	0.946	0.98	50.00	50.00	1.612	1.612	1.00
9	11:47	1.00	0.864	1.01	50.00	50.00	0.446	0.446	1.00
10	16:19	1.00	0.907	1.00	50.00	50.00	1.351	1.351	1.00
11	19:58	1.00	0.917	1.00	50.00	50.00	0.141	0.141	1.00
12	25:54	1.00	0.906	1.00	50.00	50.00	1.558	1.558	1.00
13	9:44	0.99	0.950	0.98	50.00	50.00	1.784	1.784	1.00
14	9:55	1.00	0.957	0.99	50.00	50.00	1.455	1.455	1.00
15	9:55	1.00	0.948	1.00	50.00	50.00	1.248	1.248	1.00
16	10:17	1.00	0.983	1.00	50.00	50.00	1.390	1.390	1.00
17	10:28	1.00	1.006	1.00	50.00	50.00	1.386	1.386	1.00
18	10:49	1.00	1.043	0.99	50.00	50.00	1.324	1.324	1.00
19	10:51	1.00	1.069	0.97	50.00	50.00	0.854	0.854	1.00
20	11:09	1.00	1.102	0.97	50.00	50.00	1.225	1.225	1.00
21	11:33	1.00	1.154	0.96	50.00	50.00	1.270	1.270	1.00
22	11:12	1.00	1.096	0.98	50.00	50.00	1.548	1.548	1.00
23	11:32	1.00	1.158	0.95	50.00	50.00	1.090	1.090	1.00
24	11:37	1.00	1.129	0.99	50.00	50.00	0.627	0.627	1.00
25	11:50	1.00	0.869	1.01	50.00	50.00	0.421	0.421	1.00
26	12:28	1.00	0.927	0.99	50.00	50.00	0.768	0.768	1.00
27	12:37	1.00	0.929	1.00	50.00	50.00	0.192	0.192	1.00
28	12:50	1.00	0.961	0.99	50.00	50.00	0.339	0.339	1.00
29	13:13	1.00	1.032	0.95	50.00	50.00	0.145	0.145	1.00
30	13:05	1.00	0.977	0.99	50.00	50.00	0.508	0.508	1.00
31	13:25	1.00	0.992	1.00	50.00	50.00	0.315	0.315	1.00
32	13:13	1.00	0.986	0.97	50.00	50.00	0.288	0.288	1.00
33	13:35	1.00	1.006	1.00	50.00	50.00	0.991	0.991	1.00
34	13:46	1.00	1.025	0.99	50.00	50.00	0.416	0.416	1.00
35	13:57	1.00	1.036	1.00	50.00	50.00	0.184	0.184	1.00
36	15:04	1.00	1.141	0.98	50.00	50.00	0.293	0.293	1.00
37	15:20	1.00	1.150	0.99	50.00	50.00	0.660	0.660	1.00
38	15:45	1.00	0.868	1.01	50.00	50.00	0.392	0.392	1.00
39	16:04	1.00	0.893	1.00	50.00	50.00	0.369	0.369	1.00
40	16:09	1.00	0.898	1.00	50.00	50.00	0.396	0.396	1.00
41	16:33	1.00	0.918	1.00	50.00	50.00	1.136	1.136	1.00
42	16:52	1.00	0.943	1.00	50.00	50.00	0.423	0.423	1.00
43	17:25	1.00	0.980	0.99	50.00	50.00	1.191	1.191	1.00
44	17:35	1.00	0.976	1.00	50.00	50.00	1.758	1.758	1.00
45	17:32	1.00	0.986	0.99	50.00	50.00	0.270	0.270	1.00
46	18:52	1.00	0.943	1.00	50.00	50.00	0.378	0.378	1.00
47	18:03	1.00	1.007	1.00	50.00	50.00	1.020	1.020	1.00
48	18:11	1.00	1.024	0.99	50.00	50.00	0.147	0.147	1.00
49	18:25	1.00	1.045	0.99	50.00	50.00	0.100	0.100	1.00
50	18:29	1.00	1.035	1.00	50.00	50.00	1.552	1.552	1.00

RIC
 12/08/93 14:10:00
 SAMPLE: 88NG SU STD MIX
 COMUS.:
 RANGE: G 1.7982 LABEL: H 0.4.0 QUAN: A 0.1.0 U 0 BASE: U 20. 3
 DATA: 12089304 #1
 CALI: FC43120893 #3
 SCAHS 620 TO 7000

517120.



001769

Data: 12089304.TI

12/08/93 14:10:00

Sample: BONG SV STD MIX 00E13-37-80A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **151**
2	C140 1146-65-2 NAPHTHALENE-DB ** 152 **
3	C150 15067-26-2 ACENAPHTHENE-D10 **153**
4	C160 1517-22-2 PHENANTHRENE-D10 **154**
5	C170 1719-03-5 CHRYSENE-D10 **155**
6	C175 1520-96-3 PERYLENE-D12 **156**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLORO-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001770

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	NetH	Area(Hght)	Amount	%Tot
1	152	1824	10:24	1	1.000	A BB	174260.	40.000 NG/UL	0.68
2	136	2367	13:30	2	1.000	A BB	628472.	40.000 NG/UL	0.68
3	164	3145	17:56	3	1.000	A BB	315276.	40.000 NG/UL	0.68
4	188	3806	21:42	4	1.000	A BB	387720.	40.000 NG/UL	0.68
5	240	4995	28:28	5	1.000	A BB	154348.	40.000 NG/UL	0.68
6	264	5623	32:03	6	1.000	A BB	89904.	40.000 UG/ML	0.68
7	112	1289	7:21	1	0.707	A BB	349251.	80.000 UG/ML	1.35
8	99	1697	9:40	1	0.930	A BB	531136.	80.000 UG/ML	1.35
9	82	2063	11:46	2	0.872	A BB	545772.	80.000 UG/ML	1.35
10	172	2858	16:17	3	0.909	A BB	852536.	80.000 UG/ML	1.35
11	330	3497	19:56	4	0.919	A BB	111224.	80.000 UG/ML	1.35
12	244	4539	25:52	5	0.909	A BB	521428.	80.000 UG/ML	1.35
13	94	1703	9:42	1	0.934	A BB	552375.	80.000 UG/ML	1.35
14	93	1733	9:53	1	0.950	A BB	470348.	80.000 UG/ML	1.35
15	128	1734	9:53	1	0.951	A BB	398268.	80.000 UG/ML	1.35
16	146	1798	10:15	1	0.986	A BB	450088.	80.000 UG/ML	1.35
17	146	1831	10:26	1	1.004	A BB	465024.	80.000 UG/ML	1.35
18	146	1891	10:47	1	1.037	A BB	453112.	80.000 UG/ML	1.35
19	108	1898	10:49	1	1.041	A BB	292112.	80.000 UG/ML	1.35
20	108	1951	11:07	1	1.070	A BB	425488.	80.000 UG/ML	1.35
21	108	2020	11:31	1	1.107	A BB	434176.	80.000 UG/ML	1.35
22	45	1961	11:11	1	1.075	A BV	540084.	80.000 UG/ML	1.35
23	70	2017	11:30	1	1.106	A BB	384896.	80.000 UG/ML	1.35
24	117	2033	11:35	1	1.115	A BB	217000.	80.000 UG/ML	1.35
25	77	2072	11:49	2	0.875	A BB	512662.	80.000 UG/ML	1.35
26	82	2183	12:27	2	0.922	A BB	970184.	80.000 UG/ML	1.35
27	139	2207	12:35	2	0.932	A BB	248528.	80.000 UG/ML	1.35
28	107	2246	12:48	2	0.949	A BB	425824.	80.000 UG/ML	1.35
29	122	2324	13:15	2	0.982	M XX	130016.	80.000 UG/ML	1.35
30	93	2290	13:03	2	0.967	A BB	646232.	80.000 UG/ML	1.35
31	180	2347	13:23	2	0.992	A BB	395908.	80.000 UG/ML	1.35
32	162	2314	13:11	2	0.978	A BB	384128.	80.000 UG/ML	1.35
33	128	2376	13:33	2	1.004	A BB	1228530.	80.000 UG/ML	1.35
34	127	2412	13:45	2	1.019	A BB	568844.	80.000 UG/ML	1.35
35	225	2441	13:55	2	1.031	A BB	216396.	80.000 UG/ML	1.35
36	107	2637	15:02	2	1.114	A BB	386924.	80.000 UG/ML	1.35
37	142	2685	15:18	2	1.134	A BB	855036.	80.000 UG/ML	1.35
38	237	2757	15:43	3	0.877	A BB	246712.	80.000 UG/ML	1.35
39	196	2815	16:03	3	0.895	A BV	233659.	80.000 UG/ML	1.35
40	196	2827	16:07	3	0.899	A VB	245259.	80.000 UG/ML	1.35
41	162	2898	16:31	3	0.921	A BB	738800.	80.000 UG/ML	1.35
42	65	2953	16:50	3	0.939	A BB	274292.	80.000 UG/ML	1.35
43	163	3053	17:24	3	0.971	A BB	764464.	80.000 UG/ML	1.35
44	152	3080	17:33	3	0.979	A BB	1120260.	80.000 UG/ML	1.35
45	165	3072	17:31	3	0.977	A BB	177184.	80.000 UG/ML	1.35
46	138	2953	16:50	3	0.939	A BB	249432.	80.000 UG/ML	1.35
47	153	3160	18:01	3	1.005	A BB	636340.	80.000 UG/ML	1.35
48	184	3185	18:09	3	1.013	A BB	96208.	80.000 UG/ML	1.35
49	109	3224	18:23	3	1.025	A BB	62664.	80.000 UG/ML	1.35
50	168	3239	18:28	3	1.030	A BB	964880.	80.000 UG/ML	1.35

001771

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:03	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:20	1.00	0.654	1.08	80.00	80.00	1.002	1.002	1.00
8	9:37	1.00	0.946	0.98	80.00	80.00	1.524	1.524	1.00
9	11:45	1.00	0.864	1.01	80.00	80.00	0.434	0.434	1.00
10	16:17	1.00	0.907	1.00	80.00	80.00	1.352	1.352	1.00
11	19:36	1.00	0.917	1.00	80.00	80.00	0.143	0.143	1.00
12	25:52	1.00	0.906	1.00	80.00	80.00	1.689	1.689	1.00
13	9:41	1.00	0.950	0.98	80.00	80.00	1.585	1.585	1.00
14	9:52	1.00	0.957	0.99	80.00	80.00	1.350	1.350	1.00
15	9:53	1.00	0.948	1.00	80.00	80.00	1.143	1.143	1.00
16	10:15	1.00	0.983	1.00	80.00	80.00	1.291	1.291	1.00
17	10:26	1.00	1.006	1.00	80.00	80.00	1.334	1.334	1.00
18	10:46	1.00	1.043	0.99	80.00	80.00	1.300	1.300	1.00
19	10:48	1.00	1.069	0.97	80.00	80.00	0.838	0.838	1.00
20	11:07	1.00	1.102	0.97	80.00	80.00	1.221	1.221	1.00
21	11:30	1.00	1.154	0.96	80.00	80.00	1.246	1.246	1.00
22	11:10	1.00	1.096	0.98	80.00	80.00	1.550	1.550	1.00
23	11:29	1.00	1.158	0.95	80.00	80.00	1.104	1.104	1.00
24	11:35	1.00	1.129	0.99	80.00	80.00	0.623	0.623	1.00
25	11:48	1.00	0.869	1.01	80.00	80.00	0.408	0.408	1.00
26	12:25	1.00	0.927	0.99	80.00	80.00	0.772	0.772	1.00
27	12:34	1.00	0.929	1.00	80.00	80.00	0.198	0.198	1.00
28	12:47	1.00	0.961	0.99	80.00	80.00	0.339	0.339	1.00
29	13:10	1.01	1.032	0.95	80.00	80.00	0.103	0.103	1.00
30	13:02	1.00	0.977	0.99	80.00	80.00	0.514	0.514	1.00
31	13:22	1.00	0.992	1.00	80.00	80.00	0.315	0.315	1.00
32	13:11	1.00	0.986	0.99	80.00	80.00	0.306	0.306	1.00
33	13:32	1.00	1.006	1.00	80.00	80.00	0.977	0.977	1.00
34	13:44	1.00	1.025	0.99	80.00	80.00	0.453	0.453	1.00
35	13:54	1.00	1.036	1.00	80.00	80.00	0.172	0.172	1.00
36	15:01	1.00	1.141	0.98	80.00	80.00	0.308	0.308	1.00
37	15:18	1.00	1.150	0.99	80.00	80.00	0.680	0.680	1.00
38	15:43	1.00	0.868	1.01	80.00	80.00	0.391	0.391	1.00
39	16:02	1.00	0.893	1.00	80.00	80.00	0.371	0.371	1.00
40	16:06	1.00	0.898	1.00	80.00	80.00	0.389	0.389	1.00
41	16:30	1.00	0.918	1.00	80.00	80.00	1.172	1.172	1.00
42	16:49	1.00	0.943	1.00	80.00	80.00	0.435	0.435	1.00
43	17:23	1.00	0.980	0.99	80.00	80.00	1.212	1.212	1.00
44	17:33	1.00	0.978	1.00	80.00	80.00	1.777	1.777	1.00
45	17:30	1.00	0.986	0.99	80.00	80.00	0.281	0.281	1.00
46	16:49	1.00	0.943	1.00	80.00	80.00	0.396	0.396	1.00
47	18:00	1.00	1.007	1.00	80.00	80.00	1.009	1.009	1.00
48	18:09	1.00	1.024	0.99	80.00	80.00	0.153	0.153	1.00
49	18:22	1.00	1.045	0.98	80.00	80.00	0.099	0.099	1.00
50	18:27	1.00	1.035	1.00	80.00	80.00	1.530	1.530	1.00

Data: 12089304.TI

12/08/93 14:10:00

Sample: BONG SV STD MIX 00612-37-80A

Cands.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
 Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENDL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENDL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532027-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3247	18:30	3	1.032	A BB	197268.	80.000 UG/ML	1.35
52	149	3372	19:13	3	1.072	A BB	711540.	80.000 UG/ML	1.35
53	204	3404	19:24	3	1.082	A BB	388048.	80.000 UG/ML	1.35
54	166	3391	19:20	3	1.078	A BB	714286.	80.000 UG/ML	1.35
55	138	3410	19:26	3	1.084	A BB	79090.	80.000 UG/ML	1.35
56	169	3460	19:43	3	1.100	A BB	498564.	80.000 UG/ML	1.35
57	198	3426	19:32	4	0.900	A BB	112604.	80.000 UG/ML	1.35
58	248	3620	20:38	4	0.951	A BB	206092.	80.000 UG/ML	1.35
59	284	3633	20:42	4	0.955	A BB	215512.	80.000 UG/ML	1.35
60	266	3725	21:14	4	0.979	A BB	118152.	80.000 UG/ML	1.35
61	178	3818	21:46	4	1.003	A BB	864632.	80.000 UG/ML	1.35
62	178	3841	21:54	4	1.009	A BB	895922.	80.000 UG/ML	1.35
63	149	4108	23:25	4	1.079	A BB	984836.	80.000 UG/ML	1.35
64	202	4350	24:48	4	1.143	A BB	714428.	80.000 UG/ML	1.35
65	202	4448	25:21	5	0.890	A BB	691768.	80.000 UG/ML	1.35

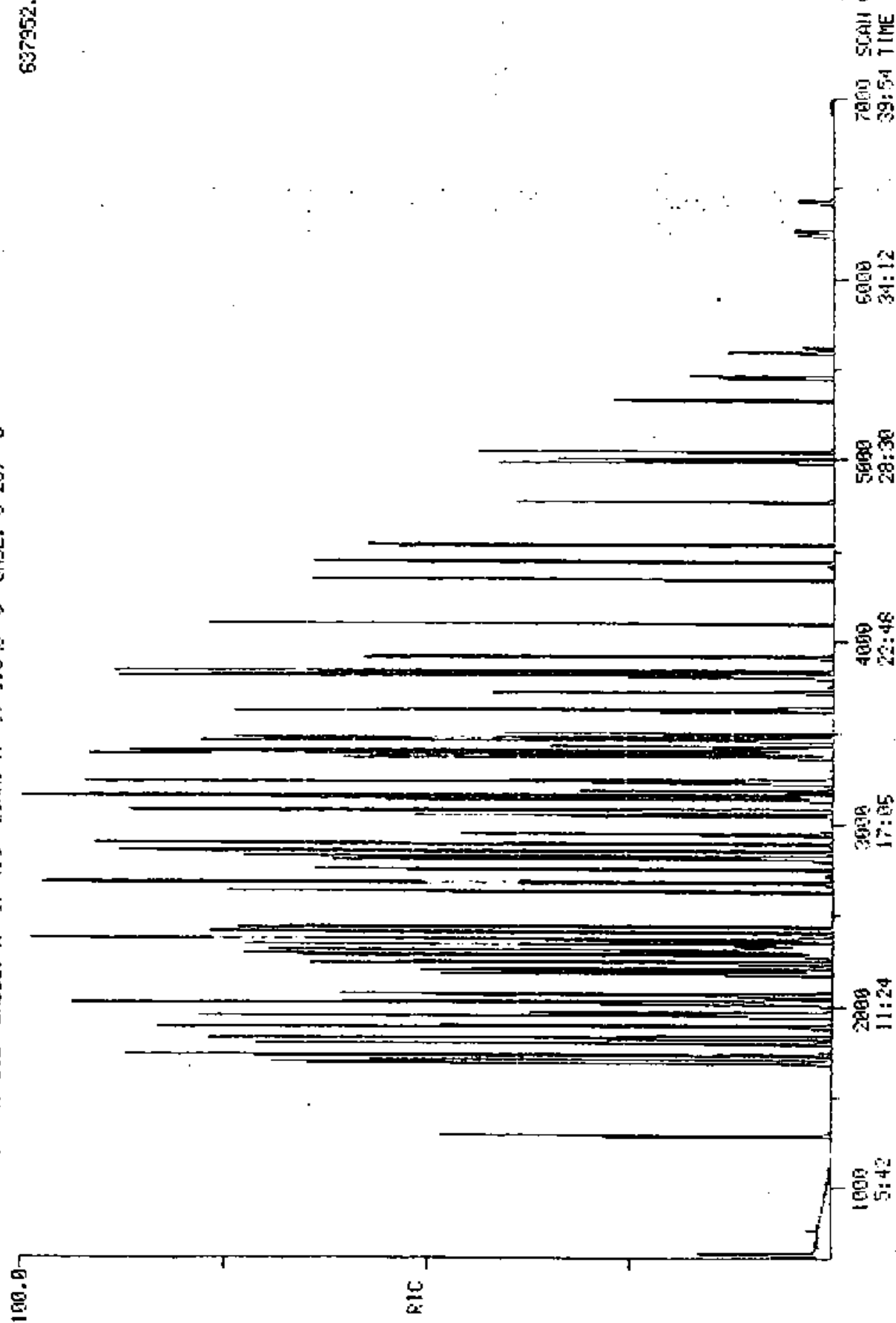
001773

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
66	149	4776	27:13	5	0.956	A BB	219696.	80.000 UG/ML	1.35
67	252	4992	28:27	5	0.999	A BB	44992.	80.000 UG/ML	1.35
68	228	4992	28:27	5	0.999	A BV	357275.	80.000 UG/ML	1.35
69	149	5048	28:46	5	1.011	A BB	249596.	80.000 UG/ML	1.35
70	228	5007	28:32	5	1.002	A BB	305487.	80.000 UG/ML	1.35
71	149	5330	30:23	6	0.948	A BB	290460.	80.000 UG/ML	1.35
72	252	5450	31:04	6	0.969	A BV	197580.	80.000 UG/ML	1.35
73	252	5463	31:08	6	0.972	A VB	177166.	80.000 UG/ML	1.35
74	252	5597	31:54	6	0.995	A BB	165856.	80.000 UG/ML	1.35
75	276	6244	35:35	6	1.110	A BB	99268.	80.000 UG/ML	1.35
76	278	6268	35:44	6	1.115	A BB	103280.	80.000 UG/ML	1.35
77	276	6430	36:39	6	1.144	A BB	105698.	80.000 UG/ML	1.35
78	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:29	1.00	1.046	0.99	80.00	80.00	0.313	0.313	1.00
52	19:12	1.00	1.090	0.98	80.00	80.00	1.128	1.128	1.00
53	19:24	1.00	1.094	0.99	80.00	80.00	0.615	0.615	1.00
54	19:19	1.00	1.086	0.99	80.00	80.00	1.133	1.133	1.00
55	19:25	1.00	1.107	0.98	80.00	80.00	0.125	0.125	1.00
56	19:42	1.00	1.116	0.99	80.00	80.00	0.791	0.791	1.00
57	19:31	1.00	0.904	1.00	80.00	80.00	0.145	0.145	1.00
58	20:38	1.00	0.952	1.00	80.00	80.00	0.266	0.266	1.00
59	20:42	1.00	0.951	1.00	80.00	80.00	0.278	0.278	1.00
60	21:13	1.00	0.981	1.00	80.00	80.00	0.152	0.152	1.00
61	21:45	1.00	1.005	1.00	80.00	80.00	1.115	1.115	1.00
62	21:53	1.00	1.011	1.00	80.00	80.00	1.155	1.155	1.00
63	23:24	1.00	1.092	0.99	80.00	80.00	1.270	1.270	1.00
64	24:47	1.00	1.152	0.99	80.00	80.00	0.921	0.921	1.00
65	25:21	1.00	0.884	1.01	80.00	80.00	2.241	2.241	1.00
66	27:13	1.00	0.960	1.00	80.00	80.00	0.712	0.712	1.00
67	28:27	1.00	1.002	1.00	80.00	80.00	0.146	0.146	1.00
68	28:27	1.00	0.999	1.00	80.00	80.00	1.157	1.157	1.00
69	28:46	1.00	1.019	0.99	80.00	80.00	0.809	0.809	1.00
70	28:32	1.00	1.003	1.00	80.00	80.00	0.990	0.990	1.00
71	30:23	1.00	0.959	0.99	80.00	80.00	1.615	1.615	1.00
72	31:04	1.00	0.973	1.00	80.00	80.00	1.099	1.099	1.00
73	31:08	1.00	0.975	1.00	80.00	80.00	0.985	0.985	1.00
74	31:53	1.00	0.996	1.00	80.00	80.00	0.922	0.922	1.00
75	35:34	1.00	1.080	1.03	80.00	80.00	0.552	0.552	1.00
76	35:43	1.00	1.083	1.03	80.00	80.00	0.574	0.574	1.00
77	36:38	1.00	1.102	1.04	80.00	80.00	0.588	0.588	1.00
78	13:24		1.000						

RIC
 12/08/93 15:07:00
 SAMPLE: 120MG SU STD MIX
 CONDS.:
 RANGE: G 1.7982 LABEL: H 0.4.0 QUANT: A 0.1.0.J 0 BASE: U 20, 3
 DATA: 12089305 #1
 CALL: 12089305 #3
 00813-37-120A
 SCANS 620 TO 7000

637952.



48 553

001775

Quantitation Report File: 12089305

Data: 12089305.T1

12/08/93 15:07:00

Sample: 1208 SV STD MIX 00B13-37-120A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-D8 **IS2**
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-D5 **SU2**
9	C520 4165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	C530 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSD-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-39-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLORO-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORDNAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001776

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/r	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	152	1825	10:24	1	1.000	A BB	171472.	40.000 NG/UL	0.46
2	136	2369	13:30	2	1.000	A BB	616416.	40.000 NG/UL	0.46
3	164	3145	17:56	3	1.000	A BB	329320.	40.000 NG/UL	0.46
4	188	3807	21:42	4	1.000	A BB	384932.	40.000 NG/UL	0.46
5	240	4996	28:29	5	1.000	A BB	149956.	40.000 NG/UL	0.46
6	264	5624	32:03	6	1.000	A BB	88324.	40.000 UG/ML	0.46
7	112	1292	7:22	1	0.708	A BB	509714.	120.000 UG/ML	1.37
8	99	1701	9:42	1	0.932	A BB	773996.	120.000 UG/ML	1.37
9	82	2066	11:47	2	0.872	A BB	813216.	120.000 UG/ML	1.37
10	172	2860	16:18	3	0.909	A BB	1215660.	120.000 UG/ML	1.37
11	330	3499	19:57	4	0.919	A BB	175784.	120.000 UG/ML	1.37
12	244	4540	25:53	5	0.909	A BB	771060.	120.000 UG/ML	1.37
13	94	1708	9:44	1	0.936	A BB	776952.	120.000 UG/ML	1.37
14	93	1736	9:54	1	0.951	A BB	669396.	120.000 UG/ML	1.37
15	128	1737	9:54	1	0.952	A BB	564556.	120.000 UG/ML	1.37
16	146	1799	10:15	1	0.986	A BB	665364.	120.000 UG/ML	1.37
17	146	1833	10:27	1	1.004	A BB	665676.	120.000 UG/ML	1.37
18	146	1892	10:47	1	1.037	A BB	646560.	120.000 UG/ML	1.37
19	108	1901	10:50	1	1.042	A BB	425512.	120.000 UG/ML	1.37
20	108	1954	11:08	1	1.071	A BB	636412.	120.000 UG/ML	1.37
21	108	2025	11:33	1	1.110	A BB	607932.	120.000 UG/ML	1.37
22	49	1962	11:11	1	1.075	A BV	775340.	120.000 UG/ML	1.37
23	70	2021	11:31	1	1.107	M XX	545714.	120.000 UG/ML	1.37
24	117	2033	11:35	1	1.114	A BB	296004.	120.000 UG/ML	1.37
25	77	2075	11:50	2	0.876	A BB	745964.	120.000 UG/ML	1.37
26	82	2188	12:28	2	0.924	A BB	1359580.	120.000 UG/ML	1.37
27	139	2210	12:36	2	0.933	A BB	372921.	120.000 UG/ML	1.37
28	107	2250	12:49	2	0.950	A BB	636752.	120.000 UG/ML	1.37
29	122	2340	13:20	2	0.988	M XX	239680.	120.000 UG/ML	1.37
30	93	2293	13:04	2	0.966	A BB	953688.	120.000 UG/ML	1.37
31	180	2348	13:23	2	0.991	A BB	592576.	120.000 UG/ML	1.37
32	162	2317	13:12	2	0.978	A BB	571272.	120.000 UG/ML	1.37
33	128	2379	13:34	2	1.004	A BB	1733590.	120.000 UG/ML	1.37
34	127	2414	13:46	2	1.019	A BB	872752.	120.000 UG/ML	1.37
35	225	2442	13:55	2	1.031	A BB	320292.	120.000 UG/ML	1.37
36	107	2638	15:02	2	1.114	A BB	590404.	120.000 UG/ML	1.37
37	142	2687	15:19	2	1.134	A BB	1207270.	120.000 UG/ML	1.37
38	237	2758	15:43	3	0.877	A BB	371992.	120.000 UG/ML	1.37
39	196	2817	16:03	3	0.896	A BV	364068.	120.000 UG/ML	1.37
40	196	2829	16:08	3	0.900	A VB	359476.	120.000 UG/ML	1.37
41	162	2900	16:32	3	0.922	A BB	1094630.	120.000 UG/ML	1.37
42	65	2956	16:51	3	0.940	A BB	414904.	120.000 UG/ML	1.37
43	163	3055	17:25	3	0.971	A BB	1129050.	120.000 UG/ML	1.37
44	152	3082	17:34	3	0.980	A BB	1629240.	120.000 UG/ML	1.37
45	165	3075	17:32	3	0.978	A BB	286104.	120.000 UG/ML	1.37
46	138	2956	16:51	3	0.940	A BB	386980.	120.000 UG/ML	1.37
47	153	3162	18:01	3	1.005	A BB	951508.	120.000 UG/ML	1.37
48	184	3188	18:10	3	1.014	A BB	161008.	120.000 UG/ML	1.37
49	109	3229	18:24	3	1.027	A BV	103728.	120.000 UG/ML	1.37
50	168	3240	18:28	3	1.030	A BB	1439640.	120.000 UG/ML	1.37

001777

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:03	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:20	1.00	0.654	1.08	120.00	120.00	0.991	0.991	1.00
8	9:39	1.00	0.946	0.99	120.00	120.00	1.505	1.505	1.00
9	11:45	1.00	0.864	1.01	120.00	120.00	0.440	0.440	1.00
10	16:17	1.00	0.907	1.00	120.00	120.00	1.230	1.230	1.00
11	19:56	1.00	0.917	1.00	120.00	120.00	0.152	0.152	1.00
12	25:52	1.00	0.906	1.00	120.00	120.00	1.714	1.714	1.00
13	9:41	1.01	0.950	0.98	120.00	120.00	1.510	1.510	1.00
14	9:52	1.00	0.957	0.99	120.00	120.00	1.301	1.301	1.00
15	9:53	1.00	0.948	1.00	120.00	120.00	1.097	1.097	1.00
16	10:15	1.00	0.983	1.00	120.00	120.00	1.293	1.293	1.00
17	10:26	1.00	1.006	1.00	120.00	120.00	1.294	1.294	1.00
18	10:46	1.00	1.043	0.99	120.00	120.00	1.257	1.257	1.00
19	10:48	1.00	1.069	0.97	120.00	120.00	0.827	0.827	1.00
20	11:07	1.00	1.102	0.97	120.00	120.00	1.237	1.237	1.00
21	11:30	1.00	1.154	0.96	120.00	120.00	1.182	1.182	1.00
22	11:10	1.00	1.096	0.98	120.00	120.00	1.507	1.507	1.00
23	11:29	1.00	1.158	0.96	120.00	120.00	1.061	1.061	1.00
24	11:35	1.00	1.129	0.99	120.00	120.00	0.575	0.575	1.00
25	11:48	1.00	0.869	1.01	120.00	120.00	0.403	0.403	1.00
26	12:25	1.00	0.927	1.00	120.00	120.00	0.735	0.735	1.00
27	12:34	1.00	0.929	1.00	120.00	120.00	0.202	0.202	1.00
28	12:47	1.00	0.961	0.99	120.00	120.00	0.344	0.344	1.00
29	13:10	1.01	1.032	0.96	120.00	120.00	0.130	0.130	1.00
30	13:02	1.00	0.977	0.99	120.00	120.00	0.516	0.516	1.00
31	13:22	1.00	0.992	1.00	120.00	120.00	0.320	0.320	1.00
32	13:11	1.00	0.986	0.99	120.00	120.00	0.309	0.309	1.00
33	13:32	1.00	1.006	1.00	120.00	120.00	0.937	0.937	1.00
34	13:44	1.00	1.025	0.99	120.00	120.00	0.472	0.472	1.00
35	13:54	1.00	1.036	0.99	120.00	120.00	0.173	0.173	1.00
36	15:01	1.00	1.141	0.98	120.00	120.00	0.319	0.319	1.00
37	15:18	1.00	1.150	0.99	120.00	120.00	0.653	0.653	1.00
38	15:43	1.00	0.868	1.01	120.00	120.00	0.376	0.376	1.00
39	16:02	1.00	0.893	1.00	120.00	120.00	0.369	0.369	1.00
40	16:06	1.00	0.898	1.00	120.00	120.00	0.364	0.364	1.00
41	16:30	1.00	0.918	1.00	120.00	120.00	1.108	1.108	1.00
42	16:49	1.00	0.943	1.00	120.00	120.00	0.420	0.420	1.00
43	17:23	1.00	0.980	0.99	120.00	120.00	1.143	1.143	1.00
44	17:33	1.00	0.978	1.00	120.00	120.00	1.649	1.649	1.00
45	17:30	1.00	0.986	0.99	120.00	120.00	0.290	0.290	1.00
46	16:49	1.00	0.943	1.00	120.00	120.00	0.392	0.392	1.00
47	18:00	1.00	1.007	1.00	120.00	120.00	0.963	0.963	1.00
48	18:09	1.00	1.024	0.99	120.00	120.00	0.163	0.163	1.00
49	18:22	1.00	1.045	0.98	120.00	120.00	0.105	0.105	1.00
50	18:27	1.00	1.035	1.00	120.00	120.00	1.457	1.457	1.00

Data: 12089305.TI

12/06/93 15:07:00

Sample: 120NG SV STD MIX 00613-37-120A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: G642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532027-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3249	18:31	3	1.033	A BB	308196.	120.000 UG/ML	1.37
52	149	3374	19:14	3	1.073	A BB	1088820.	120.000 UG/ML	1.37
53	204	3405	19:25	3	1.083	A BB	596656.	120.000 UG/ML	1.37
54	166	3393	19:20	3	1.079	A BB	1057820.	120.000 UG/ML	1.37
55	138	3415	19:28	3	1.086	A BB	115830.	120.000 UG/ML	1.37
56	169	3462	19:44	3	1.101	A BB	800076.	120.000 UG/ML	1.37
57	198	3430	19:33	4	0.901	A BB	184656.	120.000 UG/ML	1.37
58	248	3622	20:39	4	0.951	A BB	327476.	120.000 UG/ML	1.37
59	284	3635	20:43	4	0.955	A BB	328932.	120.000 UG/ML	1.37
60	266	3726	21:14	4	0.979	A BB	192876.	120.000 UG/ML	1.37
61	178	3820	21:46	4	1.003	A BB	1237810.	120.000 UG/ML	1.37
62	178	3843	21:54	4	1.009	A BV	1344430.	120.000 UG/ML	1.37
63	149	4108	23:25	4	1.079	A BB	1463660.	120.000 UG/ML	1.37
64	202	4351	24:48	4	1.143	A BB	1051780.	120.000 UG/ML	1.37
65	202	4450	25:22	5	0.891	A BB	1019370.	120.000 UG/ML	1.37

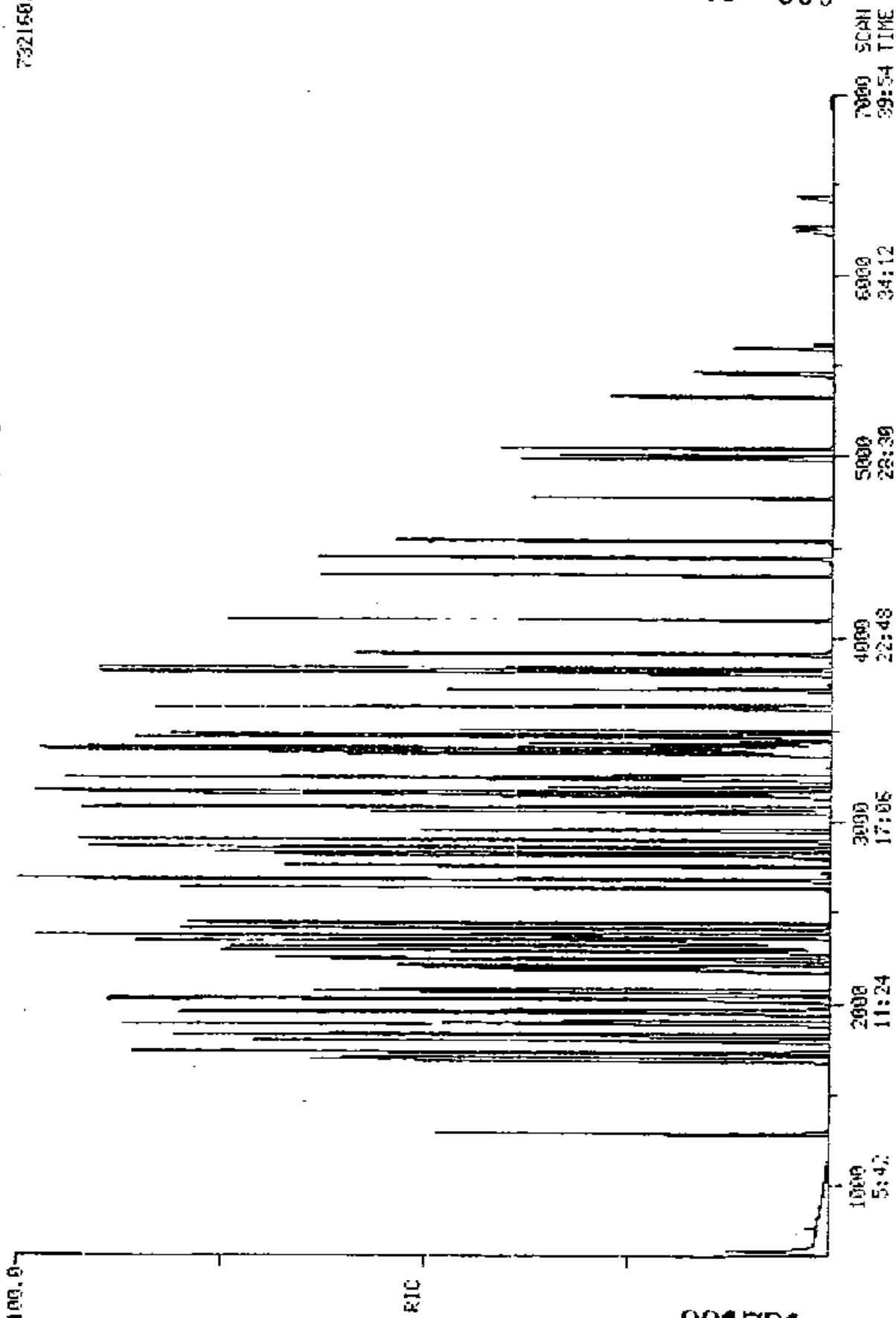
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	149	4777	27:14	5	0.956	A BB	341412.	120.000 UG/ML	1.37
67	252	4992	28:27	5	0.999	A BB	67948.	120.000 UG/ML	1.37
68	228	4992	28:27	5	0.999	A BB	501378.	120.000 UG/ML	1.37
69	149	5049	28:47	5	1.011	A BB	390048.	120.000 UG/ML	1.37
70	228	5008	28:33	5	1.002	A BB	438996.	120.000 UG/ML	1.37
71	149	5331	30:23	6	0.948	A BB	468584.	120.000 UG/ML	1.37
72	252	5452	31:05	6	0.969	A BV	300856.	120.000 UG/ML	1.37
73	252	5464	31:09	6	0.972	A VB	273412.	120.000 UG/ML	1.37
74	252	5598	31:55	6	0.995	A BB	270024.	120.000 UG/ML	1.37
75	276	6247	35:36	6	1.111	A BB	135370.	120.000 UG/ML	1.37
76	278	6271	35:45	6	1.115	A BB	155156.	120.000 UG/ML	1.37
77	276	6433	36:40	6	1.144	A BB	138313.	120.000 UG/ML	1.37
78	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:29	1.00	1.046	0.99	120.00	120.00	0.312	0.312	1.00
52	19:12	1.00	1.090	0.98	120.00	120.00	1.102	1.102	1.00
53	19:24	1.00	1.094	0.99	120.00	120.00	0.604	0.604	1.00
54	19:19	1.00	1.086	0.99	120.00	120.00	1.071	1.071	1.00
55	19:25	1.00	1.107	0.98	120.00	120.00	0.117	0.117	1.00
56	19:42	1.00	1.116	0.99	120.00	120.00	0.810	0.810	1.00
57	19:31	1.00	0.904	1.00	120.00	120.00	0.160	0.160	1.00
58	20:38	1.00	0.952	1.00	120.00	120.00	0.284	0.284	1.00
59	20:42	1.00	0.991	1.00	120.00	120.00	0.285	0.285	1.00
60	21:13	1.00	0.981	1.00	120.00	120.00	0.167	0.167	1.00
61	21:45	1.00	1.005	1.00	120.00	120.00	1.158	1.158	1.00
62	21:53	1.00	1.011	1.00	120.00	120.00	1.164	1.164	1.00
63	23:24	1.00	1.092	0.99	120.00	120.00	1.268	1.268	1.00
64	24:47	1.00	1.152	0.99	120.00	120.00	0.911	0.911	1.00
65	25:21	1.00	0.884	1.01	120.00	120.00	2.266	2.266	1.00
66	27:13	1.00	0.960	1.00	120.00	120.00	0.759	0.759	1.00
67	28:27	1.00	1.002	1.00	120.00	120.00	0.150	0.150	1.00
68	28:27	1.00	0.997	1.00	120.00	120.00	1.115	1.115	1.00
69	28:46	1.00	1.019	0.99	120.00	120.00	0.867	0.867	1.00
70	28:32	1.00	1.003	1.00	120.00	120.00	0.976	0.976	1.00
71	30:23	1.00	0.959	0.99	120.00	120.00	1.768	1.768	1.00
72	31:04	1.00	0.973	1.00	120.00	120.00	1.135	1.135	1.00
73	31:08	1.00	0.975	1.00	120.00	120.00	1.032	1.032	1.00
74	31:53	1.00	0.996	1.00	120.00	120.00	1.019	1.019	1.00
75	35:34	1.00	1.080	1.03	120.00	120.00	0.511	0.511	1.00
76	35:43	1.00	1.083	1.03	120.00	120.00	0.586	0.586	1.00
77	36:38	1.00	1.102	1.04	120.00	120.00	0.522	0.522	1.00
78	13:24		1.000						

001780

RIC
 12/08/93 16:04:00
 SAMPLE: 160HG SU STD MIX
 COND.:
 RANGE: C 1.7982 LABEL: N 0.4.0 WIAH: A 0.1.0 J 0 BASE: U 20. 3
 DATA: 12089305 #1
 CALI: 12089305 #3
 SCANS 620 TO 7000

732150.



001781

Quantitation Report File: 12089306

Data: 12089306.T1

12/08/93 16:04:00

Sample: 160NG SV STD MIX Q0813-37-160A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: Q642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-D8 **IS2**
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL **SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-D1-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLORO-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 98-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
1	152	1826	10:24	1	1.000	A BB	166656.	40.000 NG/UL	0.34
2	136	2270	13:31	2	1.000	A BB	609276.	40.000 NG/UL	0.34
3	164	3145	17:56	3	1.000	A BB	332388.	40.000 NG/UL	0.34
4	188	3807	21:42	4	1.000	A BB	364528.	40.000 NG/UL	0.34
5	240	4996	28:29	5	1.000	A BB	126268.	40.000 NG/UL	0.34
6	264	5623	32:03	6	1.000	A BB	74276.	40.000 UG/ML	0.34
7	112	1294	7:23	1	0.709	A BB	675523.	160.000 UG/ML	1.38
8	99	1705	9:43	1	0.934	A BB	984864.	160.000 UG/ML	1.38
9	82	2068	11:47	2	0.873	A BB	1057050.	160.000 UG/ML	1.38
10	172	2861	16:18	3	0.910	A BB	1360050.	160.000 UG/ML	1.38
11	330	3501	19:57	4	0.920	A BB	224180.	160.000 UG/ML	1.38
12	244	4540	25:53	5	0.909	A BB	857720.	160.000 UG/ML	1.38
13	94	1711	9:45	1	0.937	A BB	947180.	160.000 UG/ML	1.38
14	93	1739	9:55	1	0.952	A BB	843260.	160.000 UG/ML	1.38
15	128	1738	9:54	1	0.952	A BB	747284.	160.000 UG/ML	1.38
16	146	1800	10:16	1	0.986	A BB	863188.	160.000 UG/ML	1.38
17	146	1834	10:27	1	1.004	A BB	845608.	160.000 UG/ML	1.38
18	146	1894	10:48	1	1.037	A BB	828416.	160.000 UG/ML	1.38
19	108	1905	10:52	1	1.043	A BB	529584.	160.000 UG/ML	1.38
20	108	1956	11:09	1	1.071	A BB	811604.	160.000 UG/ML	1.38
21	108	2027	11:33	1	1.110	A VB	779412.	160.000 UG/ML	1.38
22	45	1964	11:12	1	1.076	A BV	1004540.	160.000 UG/ML	1.38
23	70	2023	11:32	1	1.108	M XX	697008.	160.000 UG/ML	1.38
24	117	2034	11:36	1	1.114	A BB	366952.	160.000 UG/ML	1.38
25	77	2078	11:51	2	0.877	A BB	975490.	160.000 UG/ML	1.38
26	82	2180	12:26	2	0.920	A BV	145536.	160.000 UG/ML	1.38
27	139	2212	12:37	2	0.933	A BB	501861.	160.000 UG/ML	1.38
28	107	2251	12:50	2	0.950	A BB	844708.	160.000 UG/ML	1.38
29	122	2347	13:23	2	0.990	A BB	251555.	160.000 UG/ML	1.38
30	93	2295	13:09	2	0.968	A VB	1113970.	160.000 UG/ML	1.38
31	180	2350	13:24	2	0.992	A BB	754096.	160.000 UG/ML	1.38
32	162	2320	13:13	2	0.979	A BB	762232.	160.000 UG/ML	1.38
33	128	2381	13:34	2	1.005	A BB	2166190.	160.000 UG/ML	1.38
34	127	2416	13:46	2	1.019	A BB	1142530.	160.000 UG/ML	1.38
35	225	2443	13:56	2	1.031	A BB	411740.	160.000 UG/ML	1.38
36	107	2640	15:03	2	1.114	A BB	787833.	160.000 UG/ML	1.38
37	142	2688	15:19	2	1.134	A BB	1544780.	160.000 UG/ML	1.38
38	237	2759	15:44	3	0.877	A BB	487484.	160.000 UG/ML	1.38
39	196	2818	16:04	3	0.896	A BV	520589.	160.000 UG/ML	1.38
40	196	2830	16:08	3	0.900	A VB	442620.	160.000 UG/ML	1.38
41	162	2901	16:32	3	0.922	A BB	1397240.	160.000 UG/ML	1.38
42	65	2958	16:52	3	0.941	A BB	565857.	160.000 UG/ML	1.38
43	163	3057	17:25	3	0.972	A BB	1505440.	160.000 UG/ML	1.38
44	152	3083	17:34	3	0.980	A BB	2116870.	160.000 UG/ML	1.38
45	165	3077	17:32	3	0.978	A BB	386774.	160.000 UG/ML	1.38
46	138	2958	16:52	3	0.941	A BB	526366.	160.000 UG/ML	1.38
47	153	3164	18:02	3	1.006	A BB	1179680.	160.000 UG/ML	1.38
48	184	3190	18:11	3	1.014	A BB	222524.	160.000 UG/ML	1.38
49	109	3232	18:25	3	1.028	A BV	142800.	160.000 UG/ML	1.38
50	168	3241	18:28	3	1.031	A BB	1897280.	160.000 UG/ML	1.38

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:29	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:55	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	26:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:03	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:20	1.00	0.654	1.02	160.00	160.00	1.013	1.013	1.00
8	9:39	1.01	0.946	0.99	160.00	160.00	1.477	1.477	1.00
9	11:45	1.00	0.864	1.01	160.00	160.00	0.434	0.434	1.00
10	16:17	1.00	0.907	1.00	160.00	160.00	1.173	1.173	1.00
11	19:56	1.00	0.917	1.00	160.00	160.00	0.154	0.154	1.00
12	25:52	1.00	0.906	1.00	160.00	160.00	1.698	1.698	1.00
13	9:41	1.01	0.950	0.99	160.00	160.00	1.421	1.421	1.00
14	9:52	1.00	0.957	0.99	160.00	160.00	1.265	1.265	1.00
15	9:53	1.00	0.948	1.00	160.00	160.00	1.121	1.121	1.00
16	10:15	1.00	0.983	1.00	160.00	160.00	1.295	1.295	1.00
17	10:26	1.00	1.006	1.00	160.00	160.00	1.268	1.268	1.00
18	10:46	1.00	1.043	0.99	160.00	160.00	1.243	1.243	1.00
19	10:48	1.01	1.069	0.98	160.00	160.00	0.794	0.794	1.00
20	11:07	1.00	1.102	0.97	160.00	160.00	1.217	1.217	1.00
21	11:30	1.00	1.154	0.96	160.00	160.00	1.169	1.169	1.00
22	11:10	1.00	1.096	0.98	160.00	160.00	1.507	1.507	1.00
23	11:29	1.00	1.158	0.96	160.00	160.00	1.046	1.046	1.00
24	11:35	1.00	1.129	0.99	160.00	160.00	0.550	0.550	1.00
25	11:48	1.00	0.869	1.01	160.00	160.00	0.400	0.400	1.00
26	12:25	1.00	0.927	0.99	160.00	160.00	0.060	0.060	1.00
27	12:34	1.00	0.929	1.00	160.00	160.00	0.206	0.206	1.00
28	12:47	1.00	0.961	0.99	160.00	160.00	0.347	0.347	1.00
29	13:10	1.02	1.032	0.96	160.00	160.00	0.103	0.103	1.00
30	13:02	1.00	0.977	0.99	160.00	160.00	0.457	0.457	1.00
31	13:22	1.00	0.992	1.00	160.00	160.00	0.309	0.309	1.00
32	13:11	1.00	0.986	0.99	160.00	160.00	0.313	0.313	1.00
33	13:32	1.00	1.006	1.00	160.00	160.00	0.889	0.889	1.00
34	13:44	1.00	1.025	0.99	160.00	160.00	0.469	0.469	1.00
35	13:54	1.00	1.036	0.99	160.00	160.00	0.169	0.169	1.00
36	15:01	1.00	1.141	0.98	160.00	160.00	0.323	0.323	1.00
37	15:18	1.00	1.150	0.99	160.00	160.00	0.634	0.634	1.00
38	15:43	1.00	0.868	1.01	160.00	160.00	0.367	0.367	1.00
39	16:02	1.00	0.893	1.00	160.00	160.00	0.392	0.392	1.00
40	16:06	1.00	0.898	1.00	160.00	160.00	0.333	0.333	1.00
41	16:30	1.00	0.918	1.01	160.00	160.00	1.051	1.051	1.00
42	16:49	1.00	0.943	1.00	160.00	160.00	0.426	0.426	1.00
43	17:23	1.00	0.980	0.99	160.00	160.00	1.132	1.132	1.00
44	17:33	1.00	0.978	1.00	160.00	160.00	1.592	1.592	1.00
45	17:30	1.00	0.986	0.99	160.00	160.00	0.291	0.291	1.00
46	18:49	1.00	0.943	1.00	160.00	160.00	0.396	0.396	1.00
47	18:00	1.00	1.007	1.00	160.00	160.00	0.887	0.887	1.00
48	18:09	1.00	1.024	0.99	160.00	160.00	0.167	0.167	1.00
49	18:22	1.00	1.045	0.98	160.00	160.00	0.107	0.107	1.00
50	18:27	1.00	1.035	1.00	160.00	160.00	1.427	1.427	1.00

Quantitation Report File: 12089306

Data: 12089306.TI

12/08/93 16:04:00

Sample: 160NG SV STD MIX 00813-37-160A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUDRENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 89-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUDRANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUDRANTHENE
73	C770 207-08-9 BENZO(K)FLUDRANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532027-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3252	18:32	3	1.034	A BB	401600.	160.000 UG/ML	1.38
52	149	3376	19:15	3	1.073	A BB	1397120.	160.000 UG/ML	1.38
53	204	3407	19:25	3	1.083	A BB	766960.	160.000 UG/ML	1.38
54	166	3395	19:21	3	1.079	A BB	1368760.	160.000 UG/ML	1.38
55	138	3420	19:30	3	1.087	A BB	178463.	160.000 UG/ML	1.38
56	169	3465	19:45	3	1.102	A BB	993722.	160.000 UG/ML	1.38
57	198	3433	19:34	4	0.902	A VB	223040.	160.000 UG/ML	1.38
58	248	3623	20:39	4	0.952	A BV	421904.	160.000 UG/ML	1.38
59	284	3636	20:44	4	0.955	A BB	418466.	160.000 UG/ML	1.38
60	266	3727	21:15	4	0.979	A BB	250128.	160.000 UG/ML	1.38
61	176	3821	21:47	4	1.004	A BB	1640830.	160.000 UG/ML	1.38
62	178	3844	21:55	4	1.010	A BB	1631500.	160.000 UG/ML	1.38
63	149	4109	23:25	4	1.079	A BB	1703090.	160.000 UG/ML	1.38
64	202	4352	24:46	4	1.143	A BB	1225520.	160.000 UG/ML	1.38
65	202	4451	25:22	5	0.291	A BB	1200250.	160.000 UG/ML	1.38

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No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
66	149	4777	27:14	5	0.956	A BB	366640.	160.000 UG/ML	1.38
67	252	4993	28:28	5	0.999	A BB	78808.	160.000 UG/ML	1.38
68	228	4992	28:27	5	0.999	A BV	550391.	160.000 UG/ML	1.38
69	149	5049	28:47	5	1.011	A BB	427520.	160.000 UG/ML	1.38
70	228	5008	28:33	5	1.002	A BB	463192.	160.000 UG/ML	1.38
71	149	5331	30:23	6	0.948	A BB	553936.	160.000 UG/ML	1.38
72	252	5452	31:05	6	0.970	A BV	393314.	160.000 UG/ML	1.38
73	252	5465	31:09	6	0.972	A VB	287144.	160.000 UG/ML	1.38
74	252	5598	31:55	6	0.996	A BB	310768.	160.000 UG/ML	1.38
75	276	6247	35:36	6	1.111	A BB	139232.	160.000 UG/ML	1.38
76	278	6271	35:45	6	1.115	A BB	166297.	160.000 UG/ML	1.38
77	276	6435	36:41	6	1.144	A BB	141736.	160.000 UG/ML	1.38
78	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	18:29	1.00	1.046	0.99	160.00	160.00	0.302	0.302	1.00
52	19:12	1.00	1.090	0.98	160.00	160.00	1.051	1.051	1.00
53	19:24	1.00	1.094	0.99	160.00	160.00	0.577	0.577	1.00
54	19:19	1.00	1.086	0.99	160.00	160.00	1.030	1.030	1.00
55	19:25	1.00	1.107	0.98	160.00	160.00	0.134	0.134	1.00
56	19:42	1.00	1.116	0.99	160.00	160.00	0.747	0.747	1.00
57	19:31	1.00	0.904	1.00	160.00	160.00	0.153	0.153	1.00
58	20:38	1.00	0.952	1.00	160.00	160.00	0.289	0.289	1.00
59	20:42	1.00	0.951	1.00	160.00	160.00	0.287	0.287	1.00
60	21:13	1.00	0.981	1.00	160.00	160.00	0.172	0.172	1.00
61	21:45	1.00	1.005	1.00	160.00	160.00	1.125	1.125	1.00
62	21:53	1.00	1.011	1.00	160.00	160.00	1.119	1.119	1.00
63	23:24	1.00	1.092	0.99	160.00	160.00	1.168	1.168	1.00
64	24:47	1.00	1.152	0.99	160.00	160.00	0.840	0.840	1.00
65	25:21	1.00	0.884	1.01	160.00	160.00	2.378	2.378	1.00
66	27:13	1.00	0.960	1.00	160.00	160.00	0.726	0.726	1.00
67	26:27	1.00	1.002	1.00	160.00	160.00	0.155	0.155	1.00
68	28:27	1.00	0.999	1.00	160.00	160.00	1.090	1.090	1.00
69	28:46	1.00	1.019	0.99	160.00	160.00	0.846	0.846	1.00
70	28:32	1.00	1.003	1.00	160.00	160.00	0.917	0.917	1.00
71	30:23	1.00	0.959	0.99	160.00	160.00	1.864	1.864	1.00
72	31:04	1.00	0.973	1.00	160.00	160.00	1.324	1.324	1.00
73	31:08	1.00	0.975	1.00	160.00	160.00	0.966	0.966	1.00
74	31:53	1.00	0.996	1.00	160.00	160.00	1.046	1.046	1.00
75	35:34	1.00	1.080	1.03	160.00	160.00	0.469	0.469	1.00
76	35:43	1.00	1.083	1.03	160.00	160.00	0.560	0.560	1.00
77	36:38	1.00	1.102	1.04	160.00	160.00	0.477	0.477	1.00
78	13:24		1.000						

C555	51-28-5	2,4-DINITROPHEN	0.077	0.147	0.153	0.163	0.168	0.142	26.066
C560	100-02-7	4-NITROPHENOL	0.068	0.101	0.100	0.105	0.108	0.096	16.634
C565	132-64-9	DIBENZOFURAN	1.113	1.559	1.531	1.458	1.428	1.418	12.572
C570	121-14-2	2,4-DINITROTOL	0.229	0.315	0.313	0.312	0.303	0.294	12.603
C580	64-66-2	DIETHYLPHTHALAT	0.843	1.111	1.129	1.103	1.051	1.047	11.247
C585	7005-72-3	4-CHLOROPHENY	0.439	0.607	0.616	0.604	0.577	0.569	12.976
C590	86-73-7	FLUORENE	0.863	1.174	1.133	1.071	1.030	1.054	11.414
C595	100-01-6	4-NITROANILINE	0.088	0.095	0.126	0.118	0.135	0.112	17.813
C615	86-30-6	N-NITROSODIPHEN	0.578	0.813	0.791	0.810	0.748	0.748	13.202
C610	534-52-1	4,6-DINITRO-2-	0.092	0.143	0.146	0.160	0.153	0.139	19.377
C625	101-55-3	4-BROMOPHENYL-	0.192	0.252	0.266	0.284	0.290	0.257	15.348
C630	118-74-1	HEXACHLOROBENZ	0.217	0.275	0.278	0.285	0.288	0.269	10.835
C635	87-86-5	PENTACHLOROPHEN	0.094	0.145	0.153	0.168	0.172	0.146	21.417
C640	85-01-8	PHENANTHRENE	0.863	1.146	1.116	1.159	1.126	1.082	11.430
C645	120-12-7	ANTHRACENE	0.853	1.129	1.156	1.165	1.119	1.084	12.067
C650	84-74-2	DI-N-BUTYLPHTHA	0.931	1.248	1.271	1.268	1.169	1.177	12.219
C655	206-44-0	FLUORANTHENE	0.667	0.931	0.922	0.911	0.841	0.854	12.954
C715	129-00-0	PYRENE	1.518	1.991	2.241	2.266	2.378	2.079	16.549
C720	85-68-7	BUTYLBENZYLPHTH	0.523	0.691	0.712	0.759	0.726	0.683	13.529
C725	91-94-1	3,3'-DICHLOROB	0.157	0.115	0.146	0.150	0.156	0.145	11.875
C730	56-55-3	BENZO(A)ANTHRAC	0.863	1.077	1.158	1.115	1.090	1.061	10.813
C745	117-81-7	BIS(2-ETHYLHEX	0.592	0.784	0.809	0.868	0.847	0.780	14.110
C740	218-01-9	CHRYSENE	0.720	0.931	0.990	0.976	0.918	0.907	12.001
C760	117-84-0	DI-N-OCTYLPHTH	1.130	1.544	1.616	1.769	1.865	1.585	17.896
C765	205-99-2	BENZO(B)FLUORA	0.702	0.981	1.099	1.136	1.324	1.048	21.915
C770	207-08-9	BENZO(K)FLUORD	0.733	1.000	0.986	1.032	0.967	0.944	12.728
C775	50-32-8	BENZO(A)PYRENE	0.626	0.825	0.923	1.020	1.046	0.888	19.221
C780	193-39-5	INDENO(1,2,3-C	0.393	0.468	0.553	0.511	0.469	0.479	12.384
C785	53-70-3	DIBENZO(A,H)ANT	0.372	0.506	0.575	0.526	0.560	0.520	16.984
C790	191-24-2	BENZO(G,H,I)PE	0.412	0.539	0.588	0.522	0.478	0.508	13.144

✓ 2008/09/13

Initial Calibration Data

Instrument Identifier: FINN

Calibration Date: 12/08/93

C = CALIBRATION CHECK COMPOUND, <C = SYSTEM PERFORM

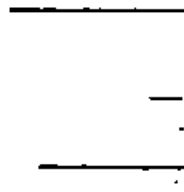
Compound	RF 20	RF 50	RF 80	RF 120	RF 160	Mean RF	ZRSD
CI30 3855-82-1 1,4-DICHLOROB	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CI40 1146-69-2 NAPHTHALENE-DB	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CI50 15067-26-2 ACENAPHTHENE	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CI60 1917-22-2 PHENANTHRENE-	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CI70 1719-03-5 CHRYSENE-D10	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CI75 1520-96-3 PERYLENE-D12	1.000	1.000	1.000	1.000	1.000	1.000	0.000
CS50 367-12-4 2-FLUOROPHENOL	0.922	1.068	1.003	0.991	1.014	1.000	5.236
CS49 4165-62-2 PHENOL-D5 **	1.370	1.613	1.524	1.505	1.478	1.498	5.842
CS20 4165-60-0 NITROBENZENE-	0.377	0.446	0.435	0.440	0.434	0.426	6.613
CS29 321-60-8 2-FLUOROBIPHEN	1.023	1.352	1.393	1.231	1.174	1.226	11.241
CS59 118-79-6 2,4,6-TRIBROMO	0.109	0.142	0.144	0.153	0.154	0.140	12.918
CS30 1718-51-0 TERPHENYL-D14	1.090	1.559	1.690	1.714	1.699	1.550	17.078
CS15 108-95-2 PHENOL	1.531	1.784	1.585	1.511	1.421	1.567	8.635<
CS25 111-44-4 BIS(2-CHLOROET	1.235	1.456	1.350	1.302	1.265	1.322	6.533
CS30 95-57-8 2-CHLOROPHENOL	1.019	1.249	1.143	1.098	1.121	1.126	7.387
CS35 541-73-1 1,3-DICHLOROB	1.104	1.391	1.292	1.254	1.295	1.275	8.199
CS40 106-46-7 1,4-DICHLOROB	1.100	1.386	1.335	1.295	1.269	1.277	8.474
CS50 95-50-1 1,2-DICHLOROBEN	1.054	1.324	1.301	1.257	1.243	1.236	8.649<
CS45 100-51-6 BENZYL ALCOHOL	0.660	0.855	0.839	0.828	0.795	0.795	9.912
CS55 95-48-7 2-METHYLPHENOL	0.955	1.225	1.221	1.236	1.218	1.172	10.337
CS65 106-44-5 4-METHYLPHENOL	0.989	1.270	1.246	1.182	1.170	1.171	9.440
CS60 39638-32-9 BIS(C-CHLORO	1.332	1.549	1.550	1.508	1.507	1.489	6.063
CS70 621-64-7 N-NITROSD-DI-P	0.906	1.091	1.105	1.061	1.046	1.042<	7.635
CS75 67-72-1 HEXACHLOROETHAN	0.492	0.628	0.623	0.576	0.591	0.574	9.746
CS10 98-95-3 NITROBENZENE	0.363	0.421	0.406	0.404	0.401	0.399	5.468
CS15 78-59-1 ISOPHORONE	0.668	0.769	0.772	0.736	0.660	0.601	50.778
CS20 88-75-5 2-NITROPHENOL	0.154	0.193	0.192	0.202	0.206	0.191	11.198<
CS25 105-67-9 2,4-DIMETHYLPH	0.269	0.340	0.339	0.345	0.347	0.328	10.066
CS30 65-85-0 BENZOIC ACID	0.133	0.146	0.104	0.130	0.104	0.124	15.332
CS35 111-91-1 BIS(2-CHLOROET	0.417	0.508	0.515	0.516	0.456	0.483	9.155
CS45 120-82-1 1,2,4-TRICHLOR	0.245	0.315	0.315	0.321	0.310	0.301	10.496
CS40 120-83-2 2,4-DICHLOROPH	0.228	0.288	0.306	0.309	0.313	0.289	12.319<
CS50 91-20-3 NAPHTHALENE	0.786	0.992	0.978	0.938	0.889	0.917	8.981
CS55 106-47-8 4-CHLOROANILIN	0.331	0.416	0.493	0.472	0.469	0.428	13.766
CS60 87-68-3 HEXACHLOROBUTAD	0.147	0.185	0.173	0.174	0.169	0.169	8.223<
CS65 99-50-7 4-CHLORO-3-METH	0.221	0.294	0.306	0.320	0.324	0.293	14.422<
CS70 91-57-6 2-METHYLNAPHTHAL	0.452	0.561	0.681	0.653	0.634	0.624	12.112
CS10 77-47-4 HEXACHLOROCYCLO	0.282	0.392	0.392	0.377	0.367	0.362<	12.757
CS15 88-06-2 2,4,6-TRICHLORO	0.270	0.370	0.371	0.369	0.392	0.354	13.536<
CS20 95-95-4 2,4,5-TRICHLORO	0.289	0.397	0.389	0.364	0.332	0.354	12.510
CS25 91-58-7 2-CHLORONAPHTHAL	0.820	1.136	1.172	1.108	1.051	1.058	13.226
CS30 88-74-4 2-NITROANILINE	0.321	0.423	0.436	0.420	0.426	0.409	11.762
CS35 131-11-3 DIMETHYLPHTHAL	0.931	1.191	1.213	1.142	1.133	1.122	9.977
CS40 208-96-8 ACENAPHTHYLENE	1.307	1.759	1.777	1.650	1.593	1.617	11.715
CS45 606-20-2 2,6-DINITROTOL	0.188	0.270	0.251	0.250	0.291	0.264	16.449
CS49 99-09-2 3-NITROANILINE	0.266	0.378	0.394	0.392	0.396	0.366	15.353
CS50 83-32-9 ACENAPHTHENE	0.754	1.021	1.016	0.954	0.886	0.927	11.884<

001788

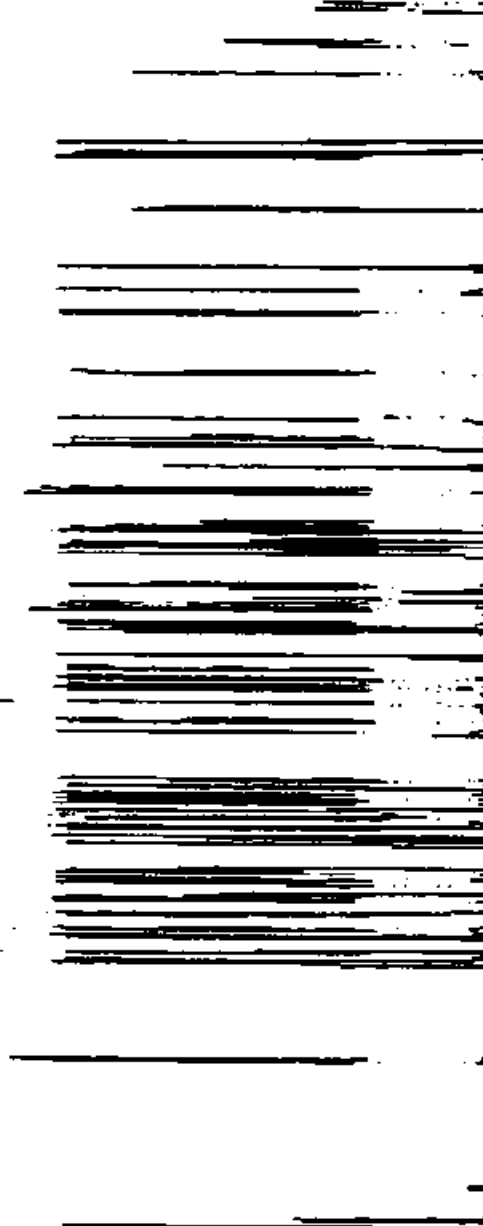
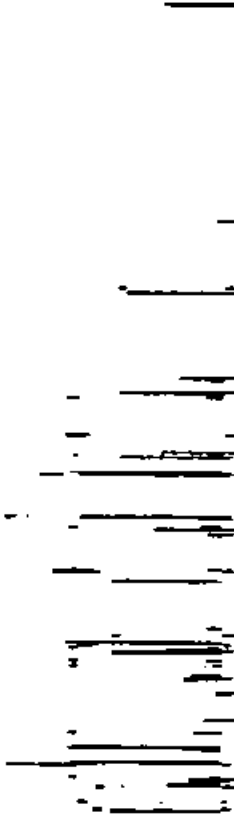
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 12/15/93 14:11:00 DATA: 1215982 #1 SCANS 600 TO 7000
 SAMPLE: 50MG SU STD MIX 00013-37-50A CALL: FC43120893 #3
 CONDS.: RANGE: G 1.7982 LABEL: N 0. 4.0 CURN: A 0. 1.0 J 0 BASE: U 20. 3

432128.

100.0



RIC



1000 5:42

2000 11:24

3000 17:06

4000 22:48

5000 28:30

6000 34:12

7000 39:54

SCAN

TIME

001789

Quantitation Report File: 12159302

Data: 12159302.TI

12/15/93 14:11:00

Sample: 50NG SV STD MIX 00813-37-90A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-DB **IS2**
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-D5 **SU2**
9	C520 4165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL **SU5**
12	C530 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001790

No Name
 48 C555 51-26-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1814	10:20	1	1.000	A BB	214008.	40.000 NG/UL	1.02
2	136	2357	13:26	2	1.000	A BB	709680.	40.000 NG/UL	1.02
3	164	3133	17:51	3	1.000	A BB	352620.	40.000 NG/UL	1.02
4	188	3794	21:38	4	1.000	A BB	433864.	40.000 NG/UL	1.02
5	240	4983	28:24	5	1.000	A BB	283692.	40.000 NG/UL	1.02
6	264	5610	31:59	6	1.000	A BB	226020.	40.000 UG/ML	1.02
7	112	1280	7:18	1	0.706	A BB	326131.	50.000 UG/ML	1.27
8	99	1686	9:37	1	0.929	A BB	443392.	50.000 UG/ML	1.27
9	82	2052	11:42	2	0.871	A BB	395268.	50.000 UG/ML	1.27
10	172	2847	16:14	3	0.909	A BB	593060.	50.000 UG/ML	1.27
11	330	3485	19:52	4	0.919	A BB	78164.	50.000 UG/ML	1.27
12	244	4527	25:48	5	0.908	A BB	424632.	50.000 UG/ML	1.27
13	94	1692	9:39	1	0.933	A VB	461626.	50.000 UG/ML	1.27
14	93	1723	9:49	1	0.950	A BB	406596.	50.000 UG/ML	1.27
15	128	1724	9:50	1	0.950	A BB	354616.	50.000 UG/ML	1.27
16	146	1788	10:11	1	0.986	A BB	372564.	50.000 UG/ML	1.27
17	146	1822	10:23	1	1.004	A BB	381848.	50.000 UG/ML	1.27
18	146	1881	10:43	1	1.037	A BB	356604.	50.000 UG/ML	1.27
19	108	1886	10:45	1	1.040	A BB	232236.	50.000 UG/ML	1.27
20	108	1941	11:04	1	1.070	A BB	311780.	50.000 UG/ML	1.27
21	108	2010	11:27	1	1.108	A BB	336876.	50.000 UG/ML	1.27
22	45	1951	11:07	1	1.076	A BV	386394.	50.000 UG/ML	1.27
23	70	2006	11:26	1	1.106	A BB	305360.	50.000 UG/ML	1.27
24	117	2023	11:32	1	1.115	A BB	164980.	50.000 UG/ML	1.27
25	77	2060	11:45	2	0.874	A BB	382824.	50.000 UG/ML	1.27
26	82	2171	12:22	2	0.921	A BB	696388.	50.000 UG/ML	1.27
27	139	2197	12:31	2	0.932	A BB	181732.	50.000 UG/ML	1.27
28	107	2235	12:44	2	0.948	A BB	280060.	50.000 UG/ML	1.27
29	122	2302	13:07	2	0.977	A BB	127928.	50.000 UG/ML	1.27
30	93	2279	12:59	2	0.967	A BB	461356.	50.000 UG/ML	1.27
31	180	2337	13:19	2	0.992	A BB	284616.	50.000 UG/ML	1.27
32	162	2303	13:08	2	0.977	A BB	272612.	50.000 UG/ML	1.27
33	128	2366	13:29	2	1.004	A BB	874076.	50.000 UG/ML	1.27
34	127	2401	13:41	2	1.019	A BB	391360.	50.000 UG/ML	1.27
35	225	2431	13:51	2	1.031	A BB	171036.	50.000 UG/ML	1.27
36	107	2627	14:58	2	1.115	A BB	272024.	50.000 UG/ML	1.27
37	142	2674	15:15	2	1.134	A BB	576756.	50.000 UG/ML	1.27
38	237	2747	15:39	3	0.877	A BB	178188.	50.000 UG/ML	1.27
39	196	2805	15:59	3	0.895	A BV	173344.	50.000 UG/ML	1.27
40	196	2816	16:03	3	0.899	A VB	184152.	50.000 UG/ML	1.27
41	162	2887	16:27	3	0.921	A BB	496572.	50.000 UG/ML	1.27
42	65	2942	16:46	3	0.939	A BB	195260.	50.000 UG/ML	1.27
43	163	3040	17:20	3	0.970	A BB	535376.	50.000 UG/ML	1.27
44	152	3068	17:29	3	0.979	A BB	741976.	50.000 UG/ML	1.27
45	165	3059	17:26	3	0.976	A BB	124992.	50.000 UG/ML	1.27
46	138	2942	16:46	3	0.939	A BB	179408.	50.000 UG/ML	1.27
47	153	3148	17:57	3	1.005	A BB	425432.	50.000 UG/ML	1.27
48	184	3173	18:05	3	1.013	A BB	72440.	50.000 UG/ML	1.27
49	109	3214	18:19	3	1.026	A BB	50296.	50.000 UG/ML	1.27
50	168	3227	18:24	3	1.030	A BB	658260.	50.000 UG/ML	1.27

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	32:02	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:20	0.99	0.707	1.00	50.00	50.00	1.219	1.219	1.00
8	9:39	1.00	0.929	1.00	50.00	50.00	1.657	1.657	1.00
9	11:44	1.00	0.871	1.00	50.00	50.00	0.446	0.446	1.00
10	14:16	1.00	0.909	1.00	50.00	50.00	1.345	1.345	1.00
11	19:54	1.00	0.919	1.00	50.00	50.00	0.144	0.144	1.00
12	25:51	1.00	0.908	1.00	50.00	50.00	1.197	1.197	1.00
13	9:41	1.00	0.932	1.00	50.00	50.00	1.726	1.726	1.00
14	9:51	1.00	0.949	1.00	50.00	50.00	1.520	1.520	1.00
15	9:52	1.00	0.951	1.00	50.00	50.00	1.326	1.326	1.00
16	10:14	1.00	0.985	1.00	50.00	50.00	1.393	1.393	1.00
17	10:25	1.00	1.004	1.00	50.00	50.00	1.427	1.427	1.00
18	10:45	1.00	1.036	1.00	50.00	50.00	1.333	1.333	1.00
19	10:47	1.00	1.039	1.00	50.00	50.00	0.868	0.868	1.00
20	11:06	1.00	1.069	1.00	50.00	50.00	1.165	1.165	1.00
21	11:29	1.00	1.107	1.00	50.00	50.00	1.259	1.259	1.00
22	11:09	1.00	1.075	1.00	50.00	50.00	1.444	1.444	1.00
23	11:28	1.00	1.105	1.00	50.00	50.00	1.141	1.141	1.00
24	11:34	1.00	1.114	1.00	50.00	50.00	0.617	0.617	1.00
25	11:47	1.00	0.875	1.00	50.00	50.00	0.432	0.432	1.00
26	12:25	1.00	0.921	1.00	50.00	50.00	0.785	0.785	1.00
27	12:33	1.00	0.932	1.00	50.00	50.00	0.205	0.205	1.00
28	12:47	1.00	0.949	1.00	50.00	50.00	0.316	0.316	1.00
29	13:09	1.00	0.976	1.00	50.00	50.00	0.144	0.144	1.00
30	13:01	1.00	0.967	1.00	50.00	50.00	0.520	0.520	1.00
31	13:21	1.00	0.992	1.00	50.00	50.00	0.321	0.321	1.00
32	13:10	1.00	0.977	1.00	50.00	50.00	0.307	0.307	1.00
33	13:31	1.00	1.004	1.00	50.00	50.00	0.985	0.985	1.00
34	13:43	1.00	1.019	1.00	50.00	50.00	0.441	0.441	1.00
35	13:53	1.00	1.031	1.00	50.00	50.00	0.193	0.193	1.00
36	15:00	1.00	1.114	1.00	50.00	50.00	0.307	0.307	1.00
37	15:17	1.00	1.135	1.00	50.00	50.00	0.650	0.650	1.00
38	15:42	1.00	0.877	1.00	50.00	50.00	0.404	0.404	1.00
39	16:01	1.00	0.896	1.00	50.00	50.00	0.393	0.393	1.00
40	16:05	1.00	0.899	1.00	50.00	50.00	0.418	0.418	1.00
41	16:30	1.00	0.922	1.00	50.00	50.00	1.127	1.127	1.00
42	16:48	1.00	0.939	1.00	50.00	50.00	0.443	0.443	1.00
43	17:22	1.00	0.971	1.00	50.00	50.00	1.215	1.215	1.00
44	17:32	1.00	0.980	1.00	50.00	50.00	1.683	1.683	1.00
45	17:28	1.00	0.976	1.00	50.00	50.00	0.284	0.284	1.00
46	16:48	1.00	0.939	1.00	50.00	50.00	0.407	0.407	1.00
47	17:59	1.00	1.005	1.00	50.00	50.00	0.965	0.965	1.00
48	18:07	1.00	1.013	1.00	50.00	50.00	0.164	0.164	1.00
49	18:21	1.00	1.025	1.00	50.00	50.00	0.114	0.114	1.00
50	18:26	1.00	1.030	1.00	50.00	50.00	1.493	1.493	1.00

Quantitation Report File: 12159302

Data: 12159302.TI

12/15/93 14:11:00

Sample: 50NG SV STD MIX 00813-37-50A

Conds.:

Formula: FJNDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITRO10LUFNE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 532-27-4 2-CHLORACE10PHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	zTot
51	165	3235	18:26	3	1.033	A BB	137676.	50.000 UG/ML	1.27
52	149	3361	19:09	3	1.073	A BB	470940.	50.000 UG/ML	1.27
53	204	3392	19:20	3	1.083	A BB	263644.	50.000 UG/ML	1.27
54	166	3379	19:16	3	1.079	A BB	483988.	50.000 UG/ML	1.27
55	138	3399	19:22	3	1.085	A BB	93480.	50.000 UG/ML	1.27
56	169	3448	19:39	3	1.101	A BB	358012.	50.000 UG/ML	1.27
57	198	3413	19:27	4	0.900	A BB	81124.	50.000 UG/ML	1.27
58	248	3608	20:34	4	0.951	A BB	145748.	50.000 UG/ML	1.27
59	284	3621	20:38	4	0.954	A BB	151296.	50.000 UG/ML	1.27
60	266	3714	21:10	4	0.979	A BB	87744.	50.000 UG/ML	1.27
61	178	3805	21:41	4	1.003	A BB	606868.	50.000 UG/ML	1.27
62	178	3828	21:49	4	1.009	A BB	609420.	50.000 UG/ML	1.27

001793

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ΣTot
63	149	4096	23:21	4	1.080	A BB	663176.	50.000 UG/ML	1.27
64	202	4337	24:43	4	1.143	A BB	510220.	50.000 UG/ML	1.27
65	202	4435	25:17	5	0.890	A BB	516788.	50.000 UG/ML	1.27
66	149	4765	27:10	5	0.956	A BB	188768.	50.000 UG/ML	1.27
67	252	4981	28:24	5	1.000	A BB	92352.	50.000 UG/ML	1.27
68	228	4979	28:23	5	0.999	A BB	378303.	50.000 UG/ML	1.27
69	149	5037	28:43	5	1.011	A BB	244024.	50.000 UG/ML	1.27
70	228	4995	28:28	5	1.002	A BB	332466.	50.000 UG/ML	1.27
71	149	5319	30:19	6	0.948	A BB	370056.	50.000 UG/ML	1.27
72	252	5438	31:00	6	0.969	A BV	272222.	50.000 UG/ML	1.27
73	252	5450	31:04	6	0.971	A VB	264402.	50.000 UG/ML	1.27
74	252	5582	31:49	6	0.995	A BB	233360.	50.000 UG/ML	1.27
75	276	6220	35:27	6	1.109	A BB	146177.	50.000 UG/ML	1.27
76	278	6244	35:35	6	1.113	A BB	169456.	50.000 UG/ML	1.27
77	276	6405	36:31	6	1.142	A BB	151379.	50.000 UG/ML	1.27
78	42	631	3:36	1	0.348	A BB	167699.	50.000 UG/ML	1.27
79	77	3463	19:44	3	1.105	A BB	538644.	50.000 UG/L	1.27
80	184	3745	21:21	5	0.752	A BB	4808.	50.000 UG/L	1.27
81	NOT FOUND								

No	Rat(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:28	1.00	1.032	1.00	50.00	50.00	0.312	0.312	1.00
52	19:11	1.00	1.072	1.00	50.00	50.00	1.068	1.068	1.00
53	19:22	1.00	1.083	1.00	50.00	50.00	0.598	0.598	1.00
54	19:18	1.00	1.079	1.00	50.00	50.00	1.098	1.098	1.00
55	19:24	1.00	1.084	1.00	50.00	50.00	0.212	0.212	1.00
56	19:41	1.00	1.100	1.00	50.00	50.00	0.812	0.812	1.00
57	19:29	1.00	0.900	1.00	50.00	50.00	0.150	0.150	1.00
58	20:36	1.00	0.951	1.00	50.00	50.00	0.269	0.269	1.00
59	20:40	1.00	0.954	1.00	50.00	50.00	0.279	0.279	1.00
60	21:12	1.00	0.979	1.00	50.00	50.00	0.162	0.162	1.00
61	21:44	1.00	1.003	1.00	50.00	50.00	1.119	1.119	1.00
62	21:51	1.00	1.009	1.00	50.00	50.00	1.124	1.124	1.00
63	23:23	1.00	1.079	1.00	50.00	50.00	1.223	1.223	1.00
64	24:46	1.00	1.143	1.00	50.00	50.00	0.941	0.941	1.00
65	25:20	1.00	0.890	1.00	50.00	50.00	1.457	1.457	1.00
66	27:12	1.00	0.956	1.00	50.00	50.00	0.532	0.532	1.00
67	28:26	1.00	0.999	1.00	50.00	50.00	0.260	0.260	1.00
68	28:26	1.00	0.999	1.00	50.00	50.00	1.067	1.067	1.00
69	28:45	1.00	1.011	1.00	50.00	50.00	0.688	0.688	1.00
70	28:31	1.00	1.002	1.00	50.00	50.00	0.938	0.938	1.00
71	30:21	1.00	0.948	1.00	50.00	50.00	1.310	1.310	1.00
72	31:02	1.00	0.969	1.00	50.00	50.00	0.964	0.964	1.00
73	31:06	1.00	0.971	1.00	50.00	50.00	0.936	0.936	1.00
74	31:52	1.00	0.995	1.00	50.00	50.00	0.826	0.826	1.00
75	35:32	1.00	1.110	1.00	50.00	50.00	0.517	0.517	1.00
76	35:41	1.00	1.114	1.00	50.00	50.00	0.600	0.600	1.00
77	36:35	1.00	1.142	1.00	50.00	50.00	0.536	0.536	1.00
78	3:40	0.98	0.353	0.99	50.00	50.00	0.627	0.627	1.00
79	19:46	1.00	1.105	1.00	50.00	50.00	1.222	1.222	1.00
80	21:24	1.00	0.752	1.00	50.00	50.00	0.014	0.014	1.00
81	15:03		1.116						

Calibration Check

Instrument Identifier: FINN

Calibration Date: 12/08/93

Standard File: 12159302

Date: 12/15/93 Time: 14:11:00

C = CALIBRATION CHECK COMPOUND, << = SYSTEM PERFOR

Compound	Mean RF(I)	RF(O)	% D
C130 3833-82-1 1,4-DICHLOROB	1.000	1.000	0.000
C140 1146-65-2 NAPHTHALENE-DB	1.000	1.000	0.000
C150 15067-26-2 ACENAPHTHENE	1.000	1.000	0.000
C160 1517-22-2 PHENANTHRENE-	1.000	1.000	0.000
C170 1719-03-5 CHRYSENE-D10	1.000	1.000	0.000
C175 1520-96-3 PERYLENE-D12	1.000	1.000	0.000
C550 367-12-4 2-FLUOROPHENOL	1.000	1.220	22.002
C845 4163-62-2 PHENOL-D5 **	1.498	1.658	10.676
C820 4163-60-0 NITROBENZENE-	0.426	0.446	4.615
C825 321-60-8 2-FLUOROBIPHEN	1.226	1.346	9.753
C555 118-79-6 2,4,6-TRIBROMO	0.140	0.145	2.962
C530 1718-51-0 TERPHENYL-D14	1.550	1.198	22.728
C315 108-95-2 PHENOL	1.567	1.726	10.187✓
C325 111-44-4 BIS(2-CHLOROET	1.322	1.520	15.046
C330 95-97-8 2-CHLOROPHENOL	1.126	1.326	17.758
C335 541-73-1 1,3-DICHLOROB	1.275	1.393	9.250
C340 106-46-7 1,4-DICHLOROB	1.277	1.428	11.820✓
C350 95-50-1 1,2-DICHLOROB	1.236	1.334	7.908
C345 100-51-6 BENZYL ALCOHOL	0.795	0.869	9.235
C355 95-48-7 2-METHYLPHENOL	1.172	1.166	0.472
C365 106-44-5 4-METHYLPHENOL	1.171	1.260	7.541
C360 39638-32-9 BIS(C-CHLORO	1.489	1.445	2.978
C370 621-64-7 N-NITROSO-DI-P	1.042	1.142	9.618
C375 67-72-1 HEXACHLOROETHAN	0.574	0.617	7.539
C410 98-95-3 NITROBENZENE	0.399	0.432	8.149
C415 78-59-1 ISOPHORONE	0.601	0.786	30.690
C420 88-75-5 2-NITROPHENOL	0.191	0.205	7.721✓
C425 105-67-9 2,4-DIMETHYLPH	0.328	0.316	3.619
C430 65-85-0 BENZOIC ACID	0.124	0.145	17.014
C435 111-91-1 BIS(2-CHLOROET	0.483	0.521	7.856
C445 120-82-1 1,2,4-TRICHLOR	0.301	0.321	6.618
C440 120-83-2 2,4-DICHLOROPH	0.289	0.308	6.529✓
C450 91-20-3 NAPHTHALENE	0.917	0.986	7.497
C455 106-47-8 4-CHLOROANILIN	0.428	0.442	3.109
C460 87-68-3 HEXACHLOROBUTAD	0.167	0.193	14.051✓
C465 59-50-7 4-CHLOROR-3-MTEH	0.293	0.307	4.747✓
C470 91-57-6 2-METHYLNAPHTHAL	0.624	0.651	4.216
C510 77-47-4 HEXACHLOROCYCLO	0.362	0.405✓	11.852
C515 88-06-2 2,4,6-TRICHLORO	0.354	0.394	11.101✓
C520 93-95-4 2,4,5-TRICHLORO	0.354	0.418	17.997
C525 91-58-7 2-CHLORONAPHTHAL	1.053	1.127	6.557
C530 88-74-4 2-NITROANILINE	0.405	0.443	9.449
C535 131-11-3 DIMETHYLPHTHAL	1.122	1.215	8.281
C540 208-96-8 ACENAPHTHYLENE	1.617	1.684	4.134
C543 606-20-2 2,6-DINITROTOL	0.264	0.284	7.502
C545 99-09-2 3-NITROANILINE	0.366	0.408	11.385
C550 83-32-9 ACENAPHTHENE	0.927	0.966	4.165✓

001795

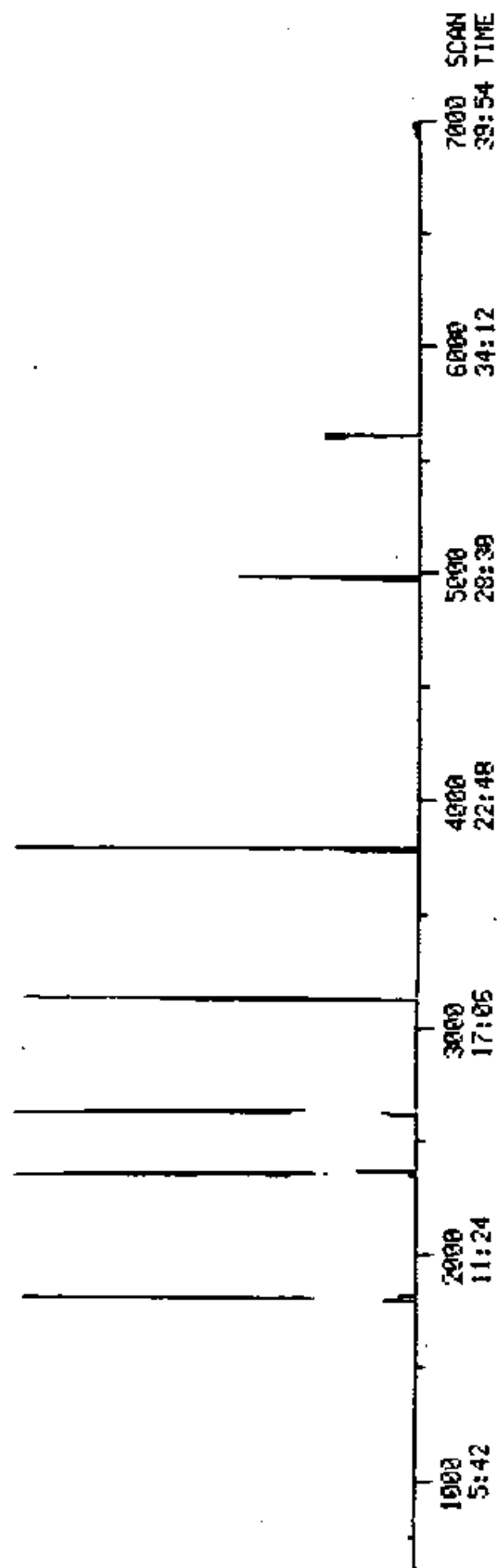
C555	51-28-5	2,4-DINITROPHEN	0.142	0.165✓	16.275
C560	100-02-7	4-NITROPHENOL	0.096	0.115✓	18.782
C563	132-64-9	DIBENZOFURAN	1.418	1.494	5.382
C570	121-14-2	2,4-DINITROTOL	0.294	0.313	6.250
C580	84-66-2	DIETHYLPHTHALAT	1.047	1.069	2.035
C585	7005-72-3	4-CHLOROPHENY	0.569	0.599	5.247
C590	86-73-7	FLUORENE	1.054	1.099	4.186
C593	100-01-6	4-NITROANILINE	0.112	0.213	89.240
C615	86-30-6	N-NITROSODIPHEN	0.748	0.813	8.662✓
C610	534-52-1	4,6-DINITRO-2-	0.139	0.150	8.003
C625	101-55-3	4-BROMOPHENYL-	0.257	0.269	4.860
C630	118-74-1	HEXACHLOROBENZ	0.269	0.279	3.999
C635	87-86-5	PENTACHLOROPHEN	0.146	0.162	10.969✓
C640	85-01-8	PHENANTHRENE	1.082	1.120	3.481
C645	120-12-7	ANTHRACENE	1.084	1.124	3.668
C650	84-74-2	DI-N-BUTYLPHTHA	1.177	1.223	3.924
C655	206-44-0	FLUORANTHENE	0.854	0.941	10.183✓
C719	129-00-0	PYRENE	2.079	1.458	29.877
C720	85-68-7	BUTYLBENZYLPHTH	0.683	0.533	21.938
C725	91-94-1	3,3'-DICHLOROB	0.145	0.261	79.912
C730	56-55-3	BENZO(A)ANTHRAC	1.061	1.067	0.628
C745	117-81-7	BIS(2-ETHYLHEX	0.780	0.689	11.703
C740	218-01-9	CHRYSENE	0.907	0.938	3.421
C760	117-84-0	DI-N-OCTYLPHTH	1.585	1.310	17.314✓
C765	205-99-2	BENZO(B)FLUORA	1.048	0.964	8.050
C770	207-08-9	BENZO(K)FLUORO	0.944	0.936	0.781
C775	50-32-8	BENZO(A)PYRENE	0.888	0.826	6.911✓
C780	193-39-3	INDENO(1,2,3-C	0.479	0.518	8.149
C785	53-70-3	DIBENZO(A,H)ANT	0.520	0.600	15.471
C790	191-24-2	BENZO(G,H,I)PE	0.503	0.536	5.628

RIC
 12/15/93 15:05:00
 SAMPLE: 87MG 2-CHLOROACETOPHENONE
 COND5.1
 RANGE: G 1.7982 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
 DATA: 12159303 #1
 CALL: 12159303 #3
 SCANS 600 TO 7000

370176.

100.0

RIC



001797

Date: 12159303.TI

12/15/93 15:05:00

Sample: B7N9 2-CHLOROACETOPHENONE

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
 2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
 6 CI75 1520-96-3 PERYLENE-D12 **IS6**
 7 CXXX 532-27-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ITot
1	192	1814	10:20	1	1.000	A BB	174864.	40.000 NG/UL	12.23
2	136	2356	13:26	2	1.000	A BB	530132.	40.000 NG/UL	12.23
3	164	3132	17:51	3	1.000	A BB	247924.	40.000 NG/UL	12.23
4	188	3793	21:37	4	1.000	A BB	300256.	40.000 NG/UL	12.23
5	240	4982	28:24	5	1.000	A BB	150468.	40.000 NG/UL	12.23
6	264	5608	31:58	6	1.000	A BB	123248.	40.000 UG/ML	12.23
7	105	2629	14:59	2	1.116	A BB	739452.	87.000 UG/L	26.61

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	19:03	1.00	1.116	1.00	87.00	87.00	0.641	0.641	1.00

RIC
 12/16/93 1:47:00
 SAMPLE: 58NC 5U STD MIX
 COND.:
 RANGE: G 1.7582 LABEL: H 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
 313344.

100.0-

RIC

001799

SCAN
TIME7000
39:546000
34:125000
28:304000
22:483000
17:062000
11:241000
5:42

Quantitation Report File: 12159315

Data: 12159315.TI

12/16/93 1:47:00

Sample: 50NG SV STD MIX

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPTHALENE-DB **IS2**
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C850 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 9165-62-2 PHENOL-D5 **SU2**
9	C520 4165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	C530 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001800

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1813	10:20	1	1.000	A BB	158544.	40.000 NG/UL	1.02
2	136	2355	13:25	2	1.000	A BB	524524.	40.000 NG/UL	1.02
3	164	3132	17:51	3	1.000	A BB	247228.	40.000 NG/UL	1.02
4	188	3792	21:37	4	1.000	A BB	294248.	40.000 NG/UL	1.02
5	240	4980	28:23	5	1.000	A BB	154208.	40.000 NG/UL	1.02
6	264	5606	31:57	6	1.000	A BB	113236.	40.000 UG/ML	1.02
7	112	1277	7:17	1	0.704	A BB	224037.	50.000 UG/ML	1.27
8	99	1684	9:36	1	0.929	A BB	336048.	50.000 UG/ML	1.27
9	82	2051	11:41	2	0.871	A BB	299140.	50.000 UG/ML	1.27
10	172	2845	16:13	3	0.908	A BB	417104.	50.000 UG/ML	1.27
11	330	3483	19:51	4	0.919	A BB	53116.	50.000 UG/ML	1.27
12	244	4525	25:48	5	0.909	A BB	261452.	50.000 UG/ML	1.27
13	94	1691	9:38	1	0.933	A BB	364300.	50.000 UG/ML	1.27
14	93	1722	9:49	1	0.950	A BB	299324.	50.000 UG/ML	1.27
15	128	1723	9:49	1	0.950	A BB	253156.	50.000 UG/ML	1.27
16	146	1786	10:11	1	0.985	A BB	276896.	50.000 UG/ML	1.27
17	146	1820	10:22	1	1.004	A BB	280764.	50.000 UG/ML	1.27
18	146	1879	10:43	1	1.036	A BB	272288.	50.000 UG/ML	1.27
19	108	1885	10:45	1	1.040	A BB	172488.	50.000 UG/ML	1.27
20	108	1940	11:03	1	1.070	A BB	230300.	50.000 UG/ML	1.27
21	108	2008	11:27	1	1.108	A BB	255044.	50.000 UG/ML	1.27
22	45	1950	11:07	1	1.076	A BV	321537.	50.000 UG/ML	1.27
23	70	2004	11:25	1	1.105	A BB	228012.	50.000 UG/ML	1.27
24	117	2021	11:31	1	1.115	A BB	126024.	50.000 UG/ML	1.27
25	77	2059	11:44	2	0.874	A BB	283864.	50.000 UG/ML	1.27
26	82	2169	12:22	2	0.921	A BB	519448.	50.000 UG/ML	1.27
27	139	2195	12:31	2	0.932	A BB	124876.	50.000 UG/ML	1.27
28	107	2234	12:44	2	0.945	A BB	205248.	50.000 UG/ML	1.27
29	122	2302	13:07	2	0.977	M XX	90325.	50.000 UG/ML	1.27
30	93	2278	12:59	2	0.967	A BB	340268.	50.000 UG/ML	1.27
31	180	2335	13:19	2	0.992	A BB	208728.	50.000 UG/ML	1.27
32	162	2301	13:07	2	0.977	A BB	198252.	50.000 UG/ML	1.27
33	128	2365	13:29	2	1.004	A BB	648760.	50.000 UG/ML	1.27
34	127	2400	13:41	2	1.019	A BB	247186.	50.000 UG/ML	1.27
35	225	2429	13:51	2	1.031	A BB	125492.	50.000 UG/ML	1.27
36	107	2625	14:58	2	1.115	A BB	188720.	50.000 UG/ML	1.27
37	142	2672	15:14	2	1.135	A BB	406896.	50.000 UG/ML	1.27
38	237	2745	15:39	3	0.876	A BB	123324.	50.000 UG/ML	1.27
39	196	2803	15:59	3	0.895	A BV	116216.	50.000 UG/ML	1.27
40	196	2815	16:03	3	0.899	A VB	121812.	50.000 UG/ML	1.27
41	162	2885	16:27	3	0.921	A BB	349752.	50.000 UG/ML	1.27
42	65	2941	16:46	3	0.939	A BB	130356.	50.000 UG/ML	1.27
43	163	3039	17:19	3	0.970	A BB	356800.	50.000 UG/ML	1.27
44	152	3067	17:29	3	0.979	A BB	506252.	50.000 UG/ML	1.27
45	165	3058	17:26	3	0.976	A BB	80252.	50.000 UG/ML	1.27
46	138	2940	16:45	3	0.939	A BB	110408.	50.000 UG/ML	1.27
47	153	3146	17:56	3	1.004	A BB	304324.	50.000 UG/ML	1.27
48	184	3172	18:05	3	1.013	A BB	44332.	50.000 UG/ML	1.27
49	109	3212	18:19	3	1.026	A BB	31596.	50.000 UG/ML	1.27
50	168	3225	18:23	3	1.030	A BB	443736.	50.000 UG/ML	1.27

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:17	1.00	0.704	1.00	50.00	50.00	1.130	1.130	1.00
8	9:36	1.00	0.929	1.00	50.00	50.00	1.696	1.696	1.00
9	11:41	1.00	0.871	1.00	50.00	50.00	0.456	0.456	1.00
10	16:13	1.00	0.908	1.00	50.00	50.00	1.350	1.350	1.00
11	19:51	1.00	0.919	1.00	50.00	50.00	0.144	0.144	1.00
12	25:48	1.00	0.909	1.00	50.00	50.00	1.356	1.356	1.00
13	9:38	1.00	0.933	1.00	50.00	50.00	1.838	1.838	1.00
14	9:49	1.00	0.950	1.00	50.00	50.00	1.510	1.510	1.00
15	9:49	1.00	0.950	1.00	50.00	50.00	1.277	1.277	1.00
16	10:11	1.00	0.985	1.00	50.00	50.00	1.397	1.397	1.00
17	10:22	1.00	1.004	1.00	50.00	50.00	1.417	1.417	1.00
18	10:43	1.00	1.036	1.00	50.00	50.00	1.374	1.374	1.00
19	10:45	1.00	1.040	1.00	50.00	50.00	0.870	0.870	1.00
20	11:03	1.00	1.070	1.00	50.00	50.00	1.162	1.162	1.00
21	11:27	1.00	1.108	1.00	50.00	50.00	1.287	1.287	1.00
22	11:07	1.00	1.076	1.00	50.00	50.00	1.622	1.622	1.00
23	11:25	1.00	1.103	1.00	50.00	50.00	1.151	1.151	1.00
24	11:31	1.00	1.115	1.00	50.00	50.00	0.636	0.636	1.00
25	11:44	1.00	0.874	1.00	50.00	50.00	0.433	0.433	1.00
26	12:22	1.00	0.921	1.00	50.00	50.00	0.792	0.792	1.00
27	12:31	1.00	0.932	1.00	50.00	50.00	0.190	0.190	1.00
28	12:44	1.00	0.949	1.00	50.00	50.00	0.313	0.313	1.00
29	13:07	1.00	0.977	1.00	50.00	50.00	0.138	0.138	1.00
30	12:59	1.00	0.967	1.00	50.00	50.00	0.519	0.519	1.00
31	13:19	1.00	0.992	1.00	50.00	50.00	0.318	0.318	1.00
32	13:07	1.00	0.977	1.00	50.00	50.00	0.302	0.302	1.00
33	13:29	1.00	1.004	1.00	50.00	50.00	0.989	0.989	1.00
34	13:41	1.00	1.019	1.00	50.00	50.00	0.377	0.377	1.00
35	13:51	1.00	1.031	1.00	50.00	50.00	0.191	0.191	1.00
36	14:58	1.00	1.115	1.00	50.00	50.00	0.288	0.288	1.00
37	15:14	1.00	1.135	1.00	50.00	50.00	0.621	0.621	1.00
38	15:39	1.00	0.876	1.00	50.00	50.00	0.399	0.399	1.00
39	15:59	1.00	0.895	1.00	50.00	50.00	0.376	0.376	1.00
40	16:03	1.00	0.899	1.00	50.00	50.00	0.394	0.394	1.00
41	16:27	1.00	0.921	1.00	50.00	50.00	1.132	1.132	1.00
42	16:46	1.00	0.939	1.00	50.00	50.00	0.422	0.422	1.00
43	17:19	1.00	0.970	1.00	50.00	50.00	1.155	1.155	1.00
44	17:29	1.00	0.979	1.00	50.00	50.00	1.638	1.638	1.00
45	17:26	1.00	0.976	1.00	50.00	50.00	0.260	0.260	1.00
46	18:45	1.00	0.939	1.00	50.00	50.00	0.357	0.357	1.00
47	17:56	1.00	1.004	1.00	50.00	50.00	0.985	0.985	1.00
48	18:05	1.00	1.013	1.00	50.00	50.00	0.143	0.143	1.00
49	18:19	1.00	1.026	1.00	50.00	50.00	0.102	0.102	1.00
50	18:23	1.00	1.030	1.00	50.00	50.00	1.436	1.436	1.00

Quantitation Report File: 12159315

Data: 12159315.71

12/16/93 1:47:00

Sample: 50N0 SV STD MIX

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 532-27-4 2-CHLORACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	Xtot
51	165	3233	18:26	3	1.032	A BB	87656.	50.000 UG/ML	1.27
52	149	3358	19:08	3	1.072	A BB	314768.	50.000 UG/ML	1.27
53	204	3391	19:20	3	1.083	A BB	188664.	50.000 UG/ML	1.27
54	166	3377	19:15	3	1.078	A BB	334520.	50.000 UG/ML	1.27
55	138	3395	19:21	3	1.084	A BB	31884.	50.000 UG/ML	1.27
56	169	3446	19:39	3	1.100	A BB	237836.	50.000 UG/ML	1.27
57	198	3411	19:27	4	0.900	A BB	50248.	50.000 UG/ML	1.27
58	248	3607	20:34	4	0.951	A BB	97512.	50.000 UG/ML	1.27
59	284	3619	20:38	4	0.954	A BB	102860.	50.000 UG/ML	1.27
60	266	3711	21:09	4	0.979	A BB	56600.	50.000 UG/ML	1.27
61	178	3804	21:41	4	1.003	A BB	417848.	50.000 UG/ML	1.27
62	178	3826	21:48	4	1.009	A BB	406600.	50.000 UG/ML	1.27

001803

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
63	149	4095	23:20	4	1.080	A BB	420844.	50.000 UG/ML	1.27
64	202	4335	24:43	4	1.143	A BB	329772.	50.000 UG/ML	1.27
65	202	4433	25:16	5	0.890	A BB	324648.	50.000 UG/ML	1.27
66	149	4763	27:09	5	0.956	A BB	109604.	50.000 UG/ML	1.27
67	252	4980	28:23	5	1.000	A BB	14232.	50.000 UG/ML	1.27
68	228	4977	28:22	5	0.999	A BB	204216.	50.000 UG/ML	1.27
69	149	5034	28:42	5	1.011	A BB	138372.	50.000 UG/ML	1.27
70	228	4992	28:27	5	1.002	A BB	186288.	50.000 UG/ML	1.27
71	149	5316	30:18	6	0.948	A BB	183940.	50.000 UG/ML	1.27
72	252	5434	30:58	6	0.969	A BV	138475.	50.000 UG/ML	1.27
73	252	5446	31:03	6	0.971	A VB	139995.	50.000 UG/ML	1.27
74	252	5578	31:48	6	0.995	A BB	116816.	50.000 UG/ML	1.27
75	276	6214	35:25	6	1.108	A BB	70967.	50.000 UG/ML	1.27
76	278	6238	35:33	6	1.113	A BB	79276.	50.000 UG/ML	1.27
77	276	6397	36:28	6	1.141	A BB	82024.	50.000 UG/ML	1.27
78	42	630	3:35	1	0.347	A BB	123536.	50.000 UG/ML	1.27
79	77	3461	19:44	3	1.105	A VB	367110.	50.000 UG/L	1.27
80	184	3744	21:20	5	0.752	A BB	2456.	50.000 UG/L	1.27
81	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
51	18:26	1.00	1.032	1.00	50.00	50.00	0.284	0.284	1.00
52	19:08	1.00	1.072	1.00	50.00	50.00	1.017	1.017	1.00
53	19:20	1.00	1.083	1.00	50.00	50.00	0.610	0.610	1.00
54	19:15	1.00	1.078	1.00	50.00	50.00	1.082	1.082	1.00
55	19:21	1.00	1.084	1.00	50.00	50.00	0.103	0.103	1.00
56	19:39	1.00	1.100	1.00	50.00	50.00	0.770	0.770	1.00
57	19:27	1.00	0.900	1.00	50.00	50.00	0.137	0.137	1.00
58	20:34	1.00	0.951	1.00	50.00	50.00	0.265	0.265	1.00
59	20:38	1.00	0.954	1.00	50.00	50.00	0.280	0.280	1.00
60	21:09	1.00	0.979	1.00	50.00	50.00	0.154	0.154	1.00
61	21:41	1.00	1.003	1.00	50.00	50.00	1.136	1.136	1.00
62	21:48	1.00	1.009	1.00	50.00	50.00	1.105	1.105	1.00
63	23:20	1.00	1.080	1.00	50.00	50.00	1.144	1.144	1.00
64	24:43	1.00	1.143	1.00	50.00	50.00	0.897	0.897	1.00
65	25:16	1.00	0.890	1.00	50.00	50.00	1.684	1.684	1.00
66	27:09	1.00	0.956	1.00	50.00	50.00	0.569	0.569	1.00
67	28:23	1.00	1.000	1.00	50.00	50.00	0.076	0.076	1.00
68	28:22	1.00	0.999	1.00	50.00	50.00	1.059	1.059	1.00
69	28:42	1.00	1.011	1.00	50.00	50.00	0.718	0.718	1.00
70	28:27	1.00	1.002	1.00	50.00	50.00	0.966	0.966	1.00
71	30:18	1.00	0.948	1.00	50.00	50.00	1.300	1.300	1.00
72	30:58	1.00	0.969	1.00	50.00	50.00	0.978	0.978	1.00
73	31:03	1.00	0.971	1.00	50.00	50.00	0.989	0.989	1.00
74	31:48	1.00	0.995	1.00	50.00	50.00	0.825	0.825	1.00
75	35:25	1.00	1.108	1.00	50.00	50.00	0.501	0.501	1.00
76	35:33	1.00	1.113	1.00	50.00	50.00	0.560	0.560	1.00
77	36:28	1.00	1.141	1.00	50.00	50.00	0.579	0.579	1.00
78	3:35	1.00	0.347	1.00	50.00	50.00	0.623	0.623	1.00
79	19:44	1.00	1.105	1.00	50.00	50.00	1.188	1.188	1.00
80	21:20	1.00	0.752	1.00	50.00	50.00	0.013	0.013	1.00
81	15:03		1.116						

Calibration Check

48 583

Instrument Identifier:

Calibration Date: 12/02/93

Standard File: 12159315

Date: Time: 00:00:00

< = CALIBRATION CHECK COMPOUND, << = SYSTEM PERFOR

Compound	Mean RF(I)	RF(O)	X D
CS50 367-12-4 2-FLUOROPHENOL	1.000	1.131	13.133
CS45 4165-62-2 PHENOL-D5 **	1.498	1.696	13.225
CS20 4165-60-0 NITROBENZENE-	0.426	0.457	7.118
CS25 321-60-8 2-FLUOROBIPHEN	1.226	1.350	10.096
CS55 118-79-6 2,4,6-TRIBROMO	0.140	0.145	3.165
CS30 1718-51-0 TERPHENYL-D14	1.550	1.357	12.477
CS19 108-95-2 PHENOL	1.567	1.839	17.374 <
CS25 111-44-4 BIS(2-CHLOROET	1.322	1.511	14.322
CS30 95-57-8 2-CHLOROPHENOL	1.126	1.278	13.477
CS35 541-73-1 1,3-DICHLOROBEN	1.275	1.398	9.602
CS40 106-46-7 1,4-DICHLOROBEN	1.277	1.417	10.982 <
CS50 95-50-1 1,2-DICHLOROBEN	1.236	1.374	11.217
CS45 100-51-6 BENZYL ALCOHOL	0.795	0.871	9.514
CS55 95-48-7 2-METHYLPHENOL	1.172	1.163	0.763
CS65 106-44-5 4-METHYLPHENOL	1.171	1.287	9.899
CS60 39638-32-9 BIS(C-CHLORO	1.489	1.623	8.977
CS70 621-64-7 N-NITROSO-DI-P	1.042	1.151	10.486 <<
CS75 67-72-1 HEXACHLOROETHAN	0.574	0.636	10.881
CS10 98-95-3 NITROBENZENE	0.399	0.433	8.500
CS15 78-59-1 ISOPHORONE	0.601	0.793	31.895
CS20 88-75-5 2-NITROPHENOL	0.191	0.191	0.167 <
CS25 105-67-9 2,4-DIMETHYLPH	0.328	0.314	4.430
CS30 65-85-0 BENZOIC ACID	0.124	0.138	11.802
CS35 111-91-1 BIS(2-CHLOROET	0.483	0.519	7.628
CS45 120-82-1 1,2,4-TRICHLOR	0.301	0.319	5.793
CS40 120-83-2 2,4-DICHLOROPH	0.289	0.303	4.821 <
CS50 91-20-3 NAPHTHALENE	0.917	0.990	7.952
CS55 106-47-8 4-CHLOROANILIN	0.428	0.378	11.870
CS60 87-68-3 HEXACHLOROBUTAD	0.167	0.192	13.223 <
CS65 59-50-7 4-CHLOR-3-METH	0.293	0.288	1.668 <
CS70 91-57-6 2-METHYLNAPHTH	0.624	0.621	0.519
CS10 77-47-4 HEXACHLOROCYCLO	0.362	0.400	10.416 <<
CS15 88-06-2 2,4,6-TRICHLORO	0.354	0.377	6.245 <
CS20 95-95-4 2,4,5-TRICHLORO	0.354	0.395	11.334
CS25 91-58-7 2-CHLORONAPHTH	1.058	1.132	7.045
CS30 88-74-4 2-NITROANILINE	0.405	0.422	4.223
CS35 131-11-3 DIMETHYLPHTHAL	1.122	1.155	2.929
CS40 208-96-8 ACENAPHTHYLENE	1.617	1.639	1.340
CS43 606-20-2 2,6-DINITROTOL	0.264	0.260	1.538
CS45 99-09-2 3-NITROANILINE	0.366	0.358	2.215
CS50 83-32-9 ACENAPHTHENE	0.927	0.985	6.275 <
CS55 51-28-5 2,4-DINITROPHEN	0.142	0.144	1.537 <<
CS60 100-02-7 4-NITROPHENOL	0.096	0.103	6.483 <<
CS65 132-64-9 DIBENZOFURAN	1.418	1.436	1.323
CS70 121-14-2 2,4-DINITROTOL	0.294	0.284	3.499
CS80 84-66-2 DIETHYLPHTHALAT	1.047	1.017	2.862
CS85 7005-72-3 4-CHLOROPHENY	0.569	0.611	7.419

001805

C590	86-73-7	FLUORENE	1.054	1.083	2.709	
C595	100-01-6	4-NITROANILINE	0.112	0.104	7.710	
C619	86-30-6	N-NITROSODIPHEN	0.743	0.770	2.963	<
C610	534-52-1	4,6-DINITRO-2-	0.137	0.137	1.330	
C625	101-55-3	4-BROMOPHENYL-	0.257	0.266	3.446	
C630	118-74-1	HEXACHLOROBENZ	0.267	0.280	4.253	
C635	87-86-5	PENTACHLOROPHEN	0.146	0.154	5.562	<
C640	85-01-8	PHENANTHRENE	1.082	1.137	5.057	
C645	120-12-7	ANTHRACENE	1.084	1.106	1.985	
C650	84-74-2	DI-N-BUTYLPHTHA	1.177	1.145	2.757	
C655	206-44-0	FLUORANTHENE	0.854	0.897	5.008	<
C715	129-00-0	PYRENE	2.079	1.685	18.964	
C720	85-68-7	BUTYLBENZYLPHTH	0.683	0.569	16.622	
C725	91-94-1	3,3'-DICHLOROB	0.145	0.076	47.316	
C730	56-55-3	BENZO(A)ANTHRAC	1.061	1.060	0.067	
C745	117-81-7	BIS(2-ETHYLHEX	0.780	0.718	7.894	
C740	218-01-9	CHRYSENE	0.907	0.967	6.606	
C760	117-84-0	DI-N-OCTYLPHTH	1.385	1.300	17.965	<
C765	205-97-2	BENZO(B)FLUORA	1.048	0.979	6.640	
C770	207-08-9	BENZO(K)FLUORO	0.944	0.990	4.855	
C775	50-32-8	BENZO(A)PYRENE	0.883	0.826	6.989	<
C780	193-39-5	INDENO(1,2,3-C	0.479	0.502	4.804	
C785	53-70-3	DIBENZO(A,H)ANT	0.520	0.561	7.832	
C790	191-24-2	BENZO(G,H,I)PE	0.508	0.580	14.232	

RIC
 12/16/93 2:43:00
 SAMPLE: 87HG 2-CHLOROACETOPHENONE
 CONDS.1
 RANGE: G 1.7982 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3
 DATA: 12159316 #1
 CALI: 12159316 #3
 SCANS 600 TO 7000

385048.

100.0

RIC

SCAN	TIME
1000	5:42
2000	11:24
3000	17:06
4000	22:48
5000	28:30
6000	34:12
7000	39:54

001807

Data: 12159316.T1

12/16/93 2:43:00

Sample: B7NG 2-CHLORDACETOPHENONE

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 C130 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
 2 C140 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 C170 1719-03-5 CHRYSENE-D10 **IS5**
 6 C175 1520-96-3 PERYLENE-D12 **IS6**
 7 CXXX 532-27-4 2-CHLORACETOPHENONE

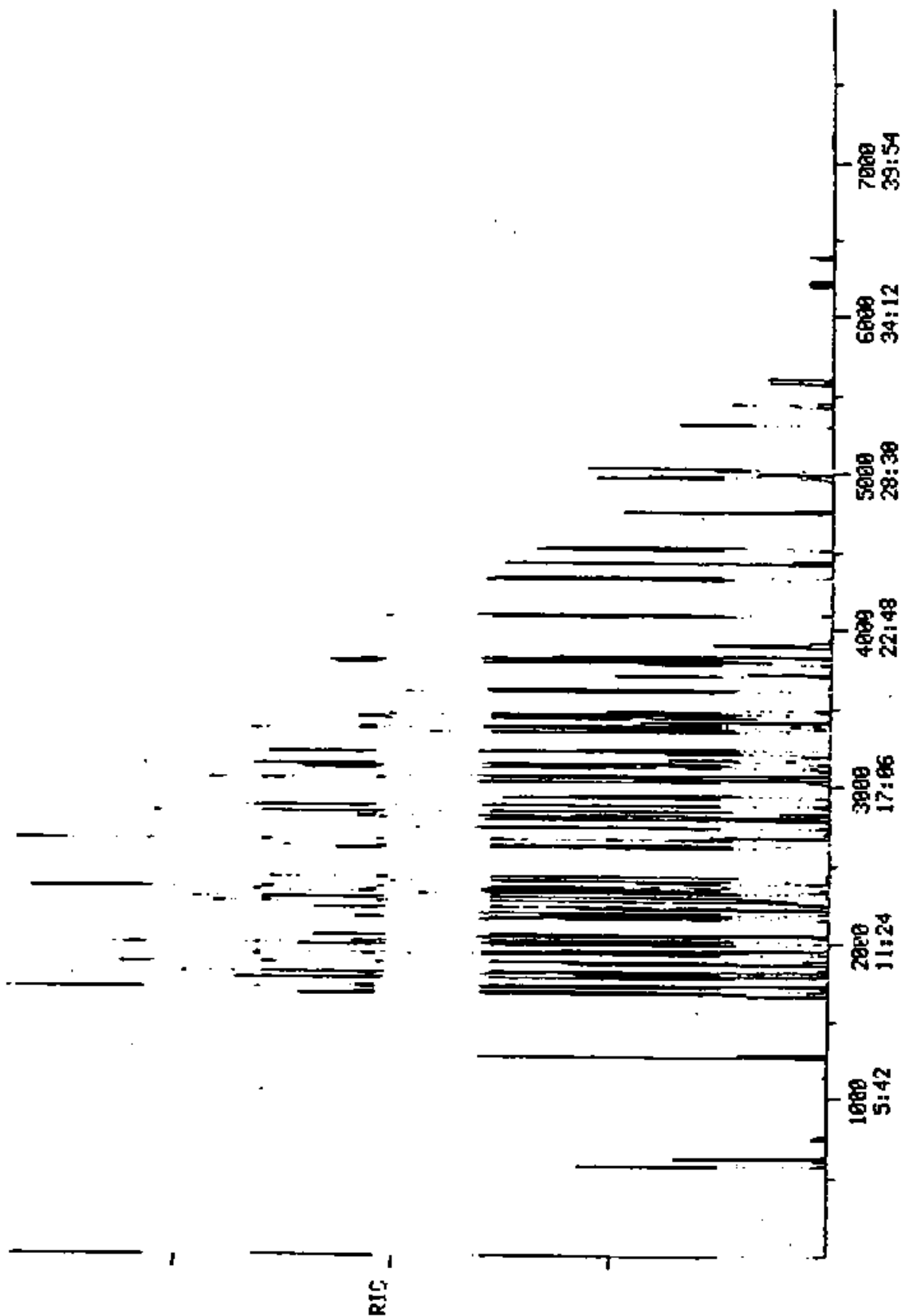
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	1812	10:20	1	1.000	A BB	192436.	40.000	NG/UL	12.23
2	136	2354	13:25	2	1.000	A BB	572020.	40.000	NG/UL	12.23
3	164	3131	17:51	3	1.000	A BB	267948.	40.000	NG/UL	12.23
4	168	3792	21:37	4	1.000	A BB	313676.	40.000	NG/UL	12.23
5	240	4979	28:23	5	1.000	A BB	107688.	40.000	NG/UL	12.23
6	264	5605	31:57	6	1.000	A BB	80292.	40.000	UG/ML	12.23
7	105	2628	14:59	2	1.116	A BB	794600.	87.000	UG/L	26.61

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:20	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	15:03	1.00	1.116	1.00	87.00	87.00	0.639	0.639	1.00

RIC
 12/16/93 14:23:00
 SAMPLE: 50NG SU STD MIX
 COND5.:
 RANGE: G 1.7982 LABEL: N 0.4.0 QUANT: A 0.1.0 J 0 BASE: U 20. 3
 DATA: 12169382 #1
 CALI: 12169382 #3
 00813-37-50A
 SCANS 1 TO 7982

314880.

100.0~



001809

48 587

Data: 12169302.T1

12/16/93 14:25:00

Sample: SONG 5V STD MIX 00813-37-50A

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	CI30 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-91-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYL ISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-93-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLFNE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001810

No Name
 48 C555 51-28-5 2,4-DINITROPHENDOL
 49 C560 100-02-7 4-NITROPHENDOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1811	10:19	1	1.000	A BB	155760.	40.000 NG/UL	1.01
2	136	2354	13:25	2	1.000	A BB	527860.	40.000 NG/UL	1.01
3	164	3131	17:51	3	1.000	A BB	249140.	40.000 NG/UL	1.01
4	188	3791	21:37	4	1.000	A BB	286068.	40.000 NG/UL	1.01
5	240	4978	28:22	5	1.000	A BB	125032.	40.000 NG/UL	1.01
6	264	5603	31:56	6	1.000	A BB	84668.	40.000 UG/ML	1.01
7	112	1277	7:17	1	0.705	A BB	239216.	50.000 UG/ML	1.27
8	99	1684	9:36	1	0.930	A BB	326988.	50.000 UG/ML	1.27
9	82	2050	11:41	2	0.871	A BB	304452.	50.000 UG/ML	1.27
10	172	2844	16:13	3	0.908	A BB	431636.	50.000 UG/ML	1.27
11	330	3482	19:51	4	0.918	A BB	52356.	50.000 UG/ML	1.27
12	244	4523	25:47	5	0.909	A BB	232404.	50.000 UG/ML	1.27
13	94	1690	9:38	1	0.933	A VB	333998.	50.000 UG/ML	1.27
14	93	1721	9:49	1	0.950	A BB	302680.	50.000 UG/ML	1.27
15	128	1722	9:49	1	0.951	A BB	256608.	50.000 UG/ML	1.27
16	146	1789	10:10	1	0.986	A BB	272496.	50.000 UG/ML	1.27
17	146	1819	10:22	1	1.004	A BB	275980.	50.000 UG/ML	1.27
18	146	1878	10:42	1	1.037	A BB	268656.	50.000 UG/ML	1.27
19	108	1884	10:44	1	1.040	A BB	170632.	50.000 UG/ML	1.27
20	108	1939	11:03	1	1.071	A BB	233136.	50.000 UG/ML	1.27
21	108	2007	11:26	1	1.108	A BB	255656.	50.000 UG/ML	1.27
22	45	1948	11:06	1	1.076	A BV	325894.	50.000 UG/ML	1.27
23	70	2003	11:25	1	1.106	A BB	232516.	50.000 UG/ML	1.27
24	117	2020	11:31	1	1.115	A BB	128344.	50.000 UG/ML	1.27
25	77	2058	11:44	2	0.874	A BB	292288.	50.000 UG/ML	1.27
26	82	2169	12:22	2	0.921	A BB	522716.	50.000 UG/ML	1.27
27	139	2194	12:30	2	0.932	A BB	128216.	50.000 UG/ML	1.27
28	107	2233	12:44	2	0.949	A BB	207124.	50.000 UG/ML	1.27
29	122	2300	13:07	2	0.977	M XX	99481.	50.000 UG/ML	1.27
30	93	2276	12:58	2	0.967	A BB	341140.	50.000 UG/ML	1.27
31	180	2334	13:18	2	0.992	A BB	207832.	50.000 UG/ML	1.27
32	162	2301	13:07	2	0.977	A BB	201948.	50.000 UG/ML	1.27
33	128	2363	13:28	2	1.004	A BB	670540.	50.000 UG/ML	1.27
34	127	2398	13:40	2	1.019	A BB	233529.	50.000 UG/ML	1.27
35	225	2428	13:50	2	1.031	A BB	127684.	50.000 UG/ML	1.27
36	107	2624	14:57	2	1.115	A BB	191656.	50.000 UG/ML	1.27
37	142	2671	15:13	2	1.135	A BB	432912.	50.000 UG/ML	1.27
38	237	2744	15:38	3	0.876	A BB	127124.	50.000 UG/ML	1.27
39	196	2802	15:58	3	0.895	A BV	115824.	50.000 UG/ML	1.27
40	196	2814	16:02	3	0.899	A VB	124386.	50.000 UG/ML	1.27
41	162	2884	16:26	3	0.921	A BB	358396.	50.000 UG/ML	1.27
42	65	2939	16:45	3	0.939	A BB	136764.	50.000 UG/ML	1.27
43	163	3038	17:19	3	0.970	A BB	354992.	50.000 UG/ML	1.27
44	152	3065	17:28	3	0.979	A BB	535172.	50.000 UG/ML	1.27
45	165	3057	17:25	3	0.976	A BB	80164.	50.000 UG/ML	1.27
46	138	2939	16:45	3	0.939	A BB	112856.	50.000 UG/ML	1.27
47	153	3145	17:56	3	1.004	A BB	314412.	50.000 UG/ML	1.27
48	184	3171	18:04	3	1.013	A BB	40776.	50.000 UG/ML	1.27
49	109	3211	18:18	3	1.026	A BB	30192.	50.000 UG/ML	1.27
50	168	3223	18:22	3	1.029	A BB	455132.	50.000 UG/ML	1.27

001811

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	10:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:56	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	7:17	1.00	0.705	1.00	50.00	50.00	1.229	1.229	1.00
8	9:36	1.00	0.930	1.00	50.00	50.00	1.679	1.679	1.00
9	11:41	1.00	0.871	1.00	50.00	50.00	0.461	0.461	1.00
10	16:13	1.00	0.908	1.00	50.00	50.00	1.386	1.386	1.00
11	19:51	1.00	0.918	1.00	50.00	50.00	0.146	0.146	1.00
12	23:47	1.00	0.909	1.00	50.00	50.00	1.487	1.487	1.00
13	9:38	1.00	0.933	1.00	50.00	50.00	1.715	1.715	1.00
14	9:49	1.00	0.950	1.00	50.00	50.00	1.555	1.555	1.00
15	9:49	1.00	0.951	1.00	50.00	50.00	1.318	1.318	1.00
16	10:10	1.00	0.986	1.00	50.00	50.00	1.400	1.400	1.00
17	10:22	1.00	1.004	1.00	50.00	50.00	1.417	1.417	1.00
18	10:42	1.00	1.037	1.00	50.00	50.00	1.380	1.380	1.00
19	10:44	1.00	1.040	1.00	50.00	50.00	0.876	0.876	1.00
20	11:03	1.00	1.071	1.00	50.00	50.00	1.197	1.197	1.00
21	11:26	1.00	1.108	1.00	50.00	50.00	1.313	1.313	1.00
22	11:06	1.00	1.076	1.00	50.00	50.00	1.674	1.674	1.00
23	11:23	1.00	1.106	1.00	50.00	50.00	1.194	1.194	1.00
24	11:31	1.00	1.115	1.00	50.00	50.00	0.659	0.659	1.00
25	11:44	1.00	0.874	1.00	50.00	50.00	0.443	0.443	1.00
26	12:22	1.00	0.921	1.00	50.00	50.00	0.792	0.792	1.00
27	12:30	1.00	0.932	1.00	50.00	50.00	0.194	0.194	1.00
28	12:44	1.00	0.949	1.00	50.00	50.00	0.314	0.314	1.00
29	13:07	1.00	0.977	1.00	50.00	50.00	0.151	0.151	1.00
30	12:58	1.00	0.967	1.00	50.00	50.00	0.517	0.517	1.00
31	13:18	1.00	0.992	1.00	50.00	50.00	0.315	0.315	1.00
32	13:07	1.00	0.977	1.00	50.00	50.00	0.306	0.306	1.00
33	13:28	1.00	1.004	1.00	50.00	50.00	1.016	1.016	1.00
34	13:40	1.00	1.019	1.00	50.00	50.00	0.354	0.354	1.00
35	13:50	1.00	1.031	1.00	50.00	50.00	0.194	0.194	1.00
36	14:57	1.00	1.115	1.00	50.00	50.00	0.290	0.290	1.00
37	15:13	1.00	1.135	1.00	50.00	50.00	0.656	0.656	1.00
38	15:38	1.00	0.876	1.00	50.00	50.00	0.408	0.408	1.00
39	15:58	1.00	0.895	1.00	50.00	50.00	0.372	0.372	1.00
40	16:02	1.00	0.899	1.00	50.00	50.00	0.399	0.399	1.00
41	16:26	1.00	0.921	1.00	50.00	50.00	1.151	1.151	1.00
42	16:45	1.00	0.939	1.00	50.00	50.00	0.439	0.439	1.00
43	17:19	1.00	0.970	1.00	50.00	50.00	1.140	1.140	1.00
44	17:29	1.00	0.979	1.00	50.00	50.00	1.718	1.718	1.00
45	17:25	1.00	0.976	1.00	50.00	50.00	0.257	0.257	1.00
46	16:45	1.00	0.939	1.00	50.00	50.00	0.362	0.362	1.00
47	17:56	1.00	1.004	1.00	50.00	50.00	1.010	1.010	1.00
48	18:04	1.00	1.013	1.00	50.00	50.00	0.131	0.131	1.00
49	18:18	1.00	1.026	1.00	50.00	50.00	0.097	0.097	1.00
50	18:22	1.00	1.029	1.00	50.00	50.00	1.461	1.461	1.00

Quantitation Report File: 12169302

Data: 12169302.TI

12/16/93 14:25:00

Sample: SONG SV STD MIX 00813-37-30A

Cands.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

51 C570 121-14-2 2,4-DINITROTOLUENE
 52 C580 84-66-2 DIETHYLPHTHALATE
 53 C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
 54 C590 86-73-7 FLUORENE
 55 C595 100-01-6 4-NITROANILINE
 56 C615 86-30-6 N-NITROBODIPHENYLAMINE
 57 C610 534-52-1 4,6-DINITRO-2-METHYLPHENDOL
 58 C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
 59 C630 118-74-1 HEXACHLOROBENZENE
 60 C635 87-86-5 PENTACHLOROPHENOL
 61 C640 85-01-8 PHENANTHRENE
 62 C645 120-12-7 ANTHRACENE
 63 C650 84-74-2 DI-N-BUTYLPHTHALATE
 64 C655 206-44-0 FLUORANTHENE
 65 C715 129-00-0 PYRENE
 66 C720 85-68-7 BUTYLBENZYLPHTHALATE
 67 C725 91-94-1 3,3'-DICHLOROBENZIDINE
 68 C730 56-55-3 BENZO(A)ANTHRACENE
 69 C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
 70 C740 218-01-9 CHRYSENE
 71 C760 117-84-0 DI-N-OCTYLPHTHALATE
 72 C765 205-99-2 BENZO(B)FLUORANTHENE
 73 C770 207-08-9 BENZO(K)FLUOROANTHENE
 74 C775 50-32-8 BENZO(A)PYRENE
 75 C780 193-39-5 INDENO(1,2,3-CD)PYRENE
 76 C785 53-70-3 DIBENZO(A,H)ANTHRACENE
 77 C790 191-24-2 BENZO(G,H,I)PERYLENE
 78 CXXX 62-75-9 N-NITROSODIMETHYLAMINE
 79 CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
 80 CXXX 92-87-5 BENZIDINE
 81 CXXX 932-27-4 2-CHLORACETOPHENONE

No	n/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	145	3232	18:25	3	1.032	A BB	88228.	50.000 UG/ML	1.27
52	149	3357	19:08	3	1.072	A BB	320960.	50.000 UG/ML	1.27
53	204	3389	19:19	3	1.082	A BB	184692.	50.000 UG/ML	1.27
54	166	3376	19:15	3	1.078	A BB	341472.	50.000 UG/ML	1.27
55	138	3394	19:21	3	1.084	A BB	25896.	50.000 UG/ML	1.27
56	169	3445	19:38	3	1.100	A BB	232044.	50.000 UG/ML	1.27
57	198	3409	19:26	4	0.899	A BB	47252.	50.000 UG/ML	1.27
58	248	3605	20:33	4	0.951	A BB	97268.	50.000 UG/ML	1.27
59	284	3617	20:37	4	0.954	A BB	102060.	50.000 UG/ML	1.27
60	266	3710	21:09	4	0.979	A BB	53044.	50.000 UG/ML	1.27
61	178	3801	21:40	4	1.003	A BB	404472.	50.000 UG/ML	1.27
62	178	3825	21:48	4	1.009	A BB	397592.	50.000 UG/ML	1.27

001813

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
63	149	4093	23:20	4	1.080	A BB	433752.	50.000 UG/ML	1.27
64	202	4333	24:42	4	1.143	A BB	307724.	50.000 UG/ML	1.27
65	202	4432	25:16	5	0.890	A BB	294660.	50.000 UG/ML	1.27
66	149	4761	27:08	5	0.956	A BB	101820.	50.000 UG/ML	1.27
67	252	4979	28:23	5	1.000	A BB	9068.	50.000 UG/ML	1.27
68	228	4979	28:21	5	0.999	A BB	166985.	50.000 UG/ML	1.27
69	149	5033	28:41	5	1.011	A BB	126268.	50.000 UG/ML	1.27
70	228	4990	28:27	5	1.002	A BB	152590.	50.000 UG/ML	1.27
71	149	5315	30:18	6	0.949	A BB	151592.	50.000 UG/ML	1.27
72	252	5432	30:58	6	0.969	A BV	103280.	50.000 UG/ML	1.27
73	252	5445	31:02	6	0.972	A VB	104447.	50.000 UG/ML	1.27
74	252	5575	31:47	6	0.995	A BB	84028.	50.000 UG/ML	1.27
75	276	6209	35:23	6	1.108	A BB	50868.	50.000 UG/ML	1.27
76	278	6234	35:32	6	1.113	A BB	55748.	50.000 UG/ML	1.27
77	276	6390	36:25	6	1.140	A BB	57944.	50.000 UG/ML	1.27
78	42	629	3:35	1	0.347	A BB	130888.	53.922 UG/ML	1.36
79	77	3459	19:43	3	1.105	A VB	377612.	51.036 UG/L	1.29
80	184	3743	21:20	5	0.752	A BB	2232.	56.043 UG/L	1.42
81	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
91	18:29	1.00	1.032	1.00	50.00	50.00	0.283	0.283	1.00
92	19:08	1.00	1.072	1.00	50.00	50.00	1.031	1.031	1.00
93	19:19	1.00	1.082	1.00	50.00	50.00	0.593	0.593	1.00
94	19:15	1.00	1.078	1.00	50.00	50.00	1.096	1.096	1.00
95	19:21	1.00	1.084	1.00	50.00	50.00	0.083	0.083	1.00
96	19:38	1.00	1.100	1.00	50.00	50.00	0.745	0.745	1.00
97	19:26	1.00	0.899	1.00	50.00	50.00	0.132	0.132	1.00
98	20:33	1.00	0.951	1.00	50.00	50.00	0.272	0.272	1.00
99	20:37	1.00	0.954	1.00	50.00	50.00	0.285	0.285	1.00
60	21:09	1.00	0.979	1.00	50.00	50.00	0.148	0.148	1.00
61	21:40	1.00	1.003	1.00	50.00	50.00	1.131	1.131	1.00
62	21:48	1.00	1.009	1.00	50.00	50.00	1.112	1.112	1.00
63	23:20	1.00	1.080	1.00	50.00	50.00	1.213	1.213	1.00
64	24:42	1.00	1.143	1.00	50.00	50.00	0.861	0.861	1.00
65	25:16	1.00	0.890	1.00	50.00	50.00	1.885	1.885	1.00
66	27:08	1.00	0.956	1.00	50.00	50.00	0.651	0.651	1.00
67	28:23	1.00	1.000	1.00	50.00	50.00	0.058	0.058	1.00
68	28:21	1.00	0.999	1.00	50.00	50.00	1.068	1.068	1.00
69	28:41	1.00	1.011	1.00	50.00	50.00	0.808	0.808	1.00
70	28:27	1.00	1.002	1.00	50.00	50.00	0.976	0.976	1.00
71	30:18	1.00	0.949	1.00	50.00	50.00	1.432	1.432	1.00
72	30:58	1.00	0.969	1.00	50.00	50.00	0.976	0.976	1.00
73	31:02	1.00	0.972	1.00	50.00	50.00	0.987	0.987	1.00
74	31:47	1.00	0.995	1.00	50.00	50.00	0.794	0.794	1.00
75	35:23	1.00	1.108	1.00	50.00	50.00	0.481	0.481	1.00
76	35:32	1.00	1.113	1.00	50.00	50.00	0.527	0.527	1.00
77	36:25	1.00	1.140	1.00	50.00	50.00	0.547	0.547	1.00
78	3:35	1.00	0.347	1.00	53.92	50.00	0.672	0.623	1.08
79	19:44	1.00	1.105	1.00	51.04	50.00	1.213	1.188	1.02
80	21:20	1.00	0.752	1.00	56.04	50.00	0.014	0.013	1.12
81	15:03		1.116						

Calibration Check

Instrument Identifier: FINN

Calibration Date: 12/02/93

Standard File: 12169302

Date: 12/16/93 Time: 14:25:00

< = CALIBRATION CHECK COMPOUND, << = SYSTEM PERFOR

Compound	Mean RF(I)	RF(O)	% D	
CS50 367-12-4 2-FLUOROPHENOL	1.000	1.229	22.953	
CS45 4165-62-2 PHENOL-D5 **	1.498	1.680	12.142	
CS20 4165-60-0 NITROBENZENE-	0.426	0.462	8.329	
CS25 321-60-8 2-FLUOROBIPHEN	1.226	1.387	13.057	
CS55 118-79-6 2,4,6-TRIBROMO	0.140	0.147	4.592	
CS30 1718-51-0 TERPHENYL-D14	1.550	1.488	4.050	
C315 108-95-2 PHENOL	1.567	1.716	9.537	<
C325 111-44-4 BIS(2-CHLOROET	1.322	1.555	17.669	
C330 95-57-8 2-CHLOROPHENOL	1.126	1.318	17.079	
C335 541-73-1 1,3-DICHLOROB	1.275	1.400	9.788	
C340 106-46-7 1,4-DICHLOROB	1.277	1.418	11.041	<
C350 95-50-1 1,2-DICHLOROBEN	1.236	1.380	11.695	
C345 100-51-6 BENZYL ALCOHOL	0.795	0.877	10.272	
C355 95-48-7 2-METHYLPHENOL	1.172	1.198	2.253	
C365 106-44-5 4-METHYLPHENOL	1.171	1.314	12.131	
C360 39638-32-9 BIS(C-CHLORO	1.489	1.674	12.426	
C370 621-64-7 N-NITROSO-DI-P	1.042	1.195	14.680	<<
C375 67-72-1 HEXACHLOROETHAN	0.574	0.660	14.937	
C410 98-95-3 NITROBENZENE	0.399	0.443	11.011	
C415 78-59-1 ISOPHORONE	0.601	0.793	31.886	
C420 88-75-5 2-NITROPHENOL	0.191	0.195	2.191	<
C425 105-67-9 2,4-DIMETHYLPH	0.328	0.314	4.166	
C430 65-85-0 BENZOIC ACID	0.124	0.151	22.318	
C435 111-91-1 BIS(2-CHLORDET	0.483	0.518	7.222	
C445 120-82-1 1,2,4-TRICHLOR	0.301	0.315	4.675	
C440 120-83-2 2,4-DICHLOROPH	0.289	0.307	6.099	<
C450 91-20-3 NAPHTHALENE	0.917	1.017	10.869	
C455 106-47-8 4-CHLOROANILIN	0.428	0.354	17.258	
C460 87-68-3 HEXACHLOROBUTAD	0.169	0.194	14.469	<
C465 59-50-7 4-CHLOR-3-MTEH	0.293	0.291	0.771	<
C470 91-57-6 2-METHYLNAPHTHAL	0.624	0.657	5.168	
C510 77-47-4 HEXACHLOROCYCLO	0.362	0.409	12.941	<<
C515 88-06-2 2,4,6-TRICHLORO	0.354	0.372	5.076	<
C520 95-95-4 2,4,5-TRICHLORO	0.354	0.400	12.812	
C525 91-58-7 2-CHLORONAPHTHAL	1.058	1.151	8.848	
C530 88-74-4 2-NITROANILINE	0.405	0.440	8.502	
C535 131-11-3 DIMETHYLPHTHAL	1.122	1.140	1.622	
C540 208-96-8 ACENAPHTHYLENE	1.617	1.719	6.306	
C543 606-20-2 2,6-DINITROTOL	0.264	0.258	2.399	
C545 99-09-2 3-NITROANILINE	0.366	0.363	0.816	
C550 83-32-9 ACENAPHTHENE	0.927	1.010	8.954	<
C555 51-28-5 2,4-DINITROPHEN	0.142	0.131	7.293	<<
C560 100-02-7 4-NITROPHENOL	0.096	0.097	0.997	<<
C565 132-64-9 DIBENZOFURAN	1.418	1.462	3.127	
C570 121-14-2 2,4-DINITROTOL	0.294	0.284	3.615	
C580 84-66-2 DIETHYLPHTHALAT	1.047	1.031	1.556	
C585 7005-72-3 4-CHLOROPHENY	0.569	0.594	4.353	

001815

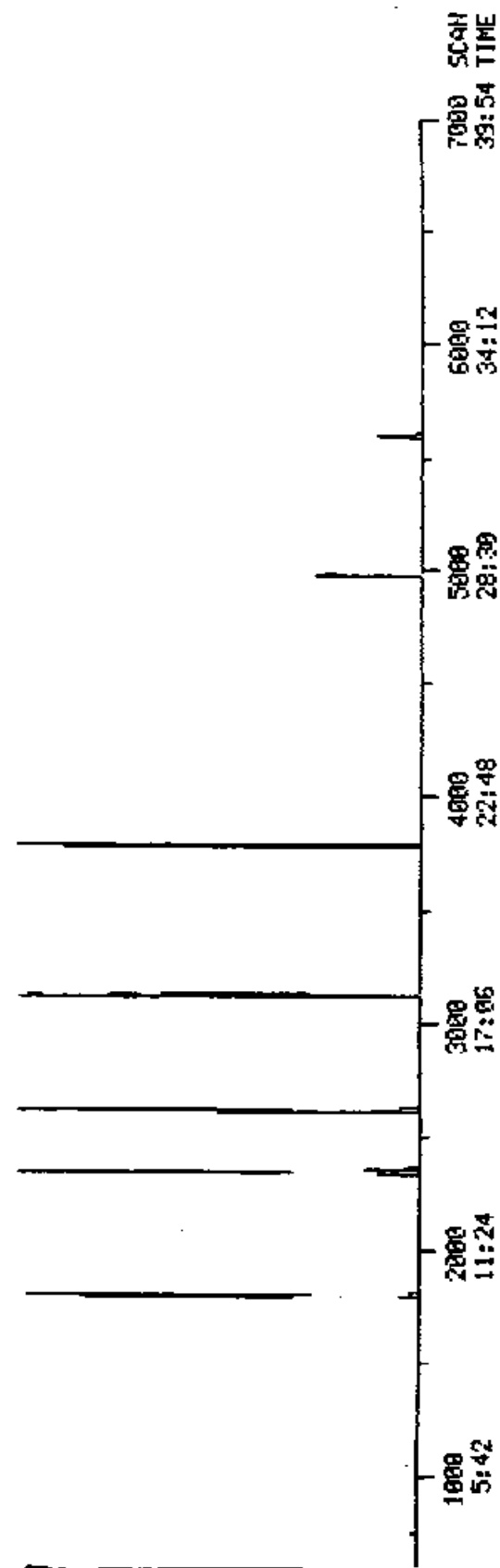
C590	86-73-7	FLUORENE	1.054	1.097	4.038	
C595	100-01-6	4-NITROANILINE	0.112	0.084	25.532	
C615	86-30-6	N-NITROSODIPHEN	0.748	0.746	0.314	<
C610	534-52-1	4,6-DINITRO-2-	0.139	0.133	4.548	
C625	101-55-3	4-BROMOPHENYL-	0.257	0.273	6.133	
C630	118-74-1	HEXACHLOROBENZ	0.269	0.286	6.396	
C635	87-86-5	PENTACHLOROPHEN	0.146	0.149	1.771	<
C640	85-01-8	PHENANTHRENE	1.082	1.132	4.602	
C645	120-12-7	ANTHRACENE	1.084	1.112	2.577	
C650	84-74-2	DI-N-BUTYLPHTHA	1.177	1.214	3.089	
C655	206-44-0	FLUORANTHENE	0.854	0.861	0.791	<
C715	129-00-0	PYRENE	2.079	1.886	9.289	
C720	85-68-7	BUTYLBENZYLPHTH	0.683	0.652	4.480	
C725	91-94-1	3,3'-DICHLOROBE	0.145	0.059	59.650	
C730	56-55-3	BENZO(A)ANTHRAC	1.061	1.069	0.782	
C745	117-81-7	BIS(2-ETHYLHEX	0.780	0.808	3.654	
C740	218-01-9	CHRYSENE	0.907	0.977	7.698	
C760	117-84-0	DI-N-OCTYLPHTH	1.585	1.433	9.583	<
C765	209-99-2	BENZO(B)FLUORA	1.048	0.976	6.874	
C770	207-08-9	BENZO(K)FLUORO	0.944	0.987	4.626	
C775	50-32-8	BENZO(A)PYRENE	0.888	0.794	10.519	<
C780	193-39-5	INDENO(1,2,3-C	0.479	0.481	0.473	
C785	53-70-3	DIBENZO(A,H)ANT	0.520	0.527	1.420	
C790	191-24-2	BENZO(G,H,I)PE	0.508	0.548	7.930	

RIC
 12/16/93 15:22:00
 SAMPLE: 87NG 2-CHLOROACETOPHENONE
 COND5.1
 RANGE: G 1.7382 LABEL: N 0.4.0 QUAN: A 0.1.0 J 0 BASE: U 20. 3
 DATA: 12163303 #1
 CALI: FC43128893 #3
 SCANS 600 TO 7000

385048.

100.0

eIC



001817

Data: 12169303.T1

12/16/93 15:22:00

Sample: B7N9 2-CHLOROACETOPHENONE

Conds.:

Formula: FJNDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
6 CI75 1520-96-3 PERYLENE-D12 **IS6**
7 CXXX 532-27-4 2-CHLOROACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1811	10:19	1	1.000	A BB	208952.	40.000 NG/UL	12.23
2	136	2353	13:25	2	1.000	A BB	627792.	40.000 NG/UL	12.23
3	164	3130	17:30	3	1.000	A BB	306072.	40.000 NG/UL	12.23
4	188	3791	21:37	4	1.000	A BB	341148.	40.000 NG/UL	12.23
5	240	4978	28:22	5	1.000	A BB	93424.	40.000 NG/UL	12.23
6	264	5604	31:37	6	1.000	A BB	66756.	40.000 UG/ML	12.23
7	105	2628	14:59	2	1.117	A BB	823010.	87.000 UG/L	26.61

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	10:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	13:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	28:22	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	31:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	15:03	1.00	1.116	1.00	87.00	87.00	0.603	0.603	1.00



Environmental
Science &
Engineering, Inc.

GC/MS INSTRUMENT LOGSHEET

INSTRUMENT ID James 50 (H)DATE 12/15/93 PROJECT NAME _____OPERATOR DR. R. TORMASS RANGE 35-300 amuTHRESHOLD 10% 100% 100%SCAN DELAY 0.50 0.50 0.50PURGE DELAY 1.0 min.INJ VOL 1.0 µlGC PROG 35°C 1 min; 10°C/min 300°C 15 min.AD 128410⁻⁷E. M. 996V

Surr. _____

INT STD _____

SPK CONC _____

CAL FILE _____

METH FILE _____

ID FILE _____

DATE UPLOADED _____

UPLOAD NAME _____

DATE SIGN _____

COL 2m 25.575 0.32 min

FRN	SAMPLE ID	EXT DATE	WT/ VOL	DL FACT	COMMENTS	TAPE DATE
2:12159301	50N6 DETPP					
2:12159302	↓ SV 300 min				00913-87-50 P	
2:12159303	87N6 2-QUANTITATIVE					
2:12159304	SP111821	11-15-93	100%	1	FS. R. R. R. S.	
2:12159305	SP111821					
2:12159306	CDDETWA 1					
2:12159307	↓ 2					
2:12159308	↓ 2					
2:12159309	SP111821	11-15-93	100%	1		
2:12159310	SP111821					
2:12159311	CDDETWA 9					
2:12159312	↓ 2					
2:12159313	↓ 2					
2:12159314	50N6 DETPP					
2:12159315	↓ SV 300 min				00913-87-50 P	
2:12159316	87N6 2-QUANTITATIVE					
2:12159317	CDDETWA 11	11-15-93	100%	1		
2:12159318	SP111821					
2:12159319	SP111821					
2:12159320	SP111821	11-15-93	100%	1		
2:12159321	SP111821					
2:12159322	CDDETWA 4					
2:12159323	↓ 7					
2:12159324	↓ 13					
2:12159325	↓ 23					
2:12159326	SP111821					
2:12159327	SP111821					

Read and Understood by

DR. R. TOR
SIGNED

12/16/93
DATE

mark p
SIGNED

12/23/93
DATE

PAGE 1 OF 1

1 column; 5000, 5000

000050

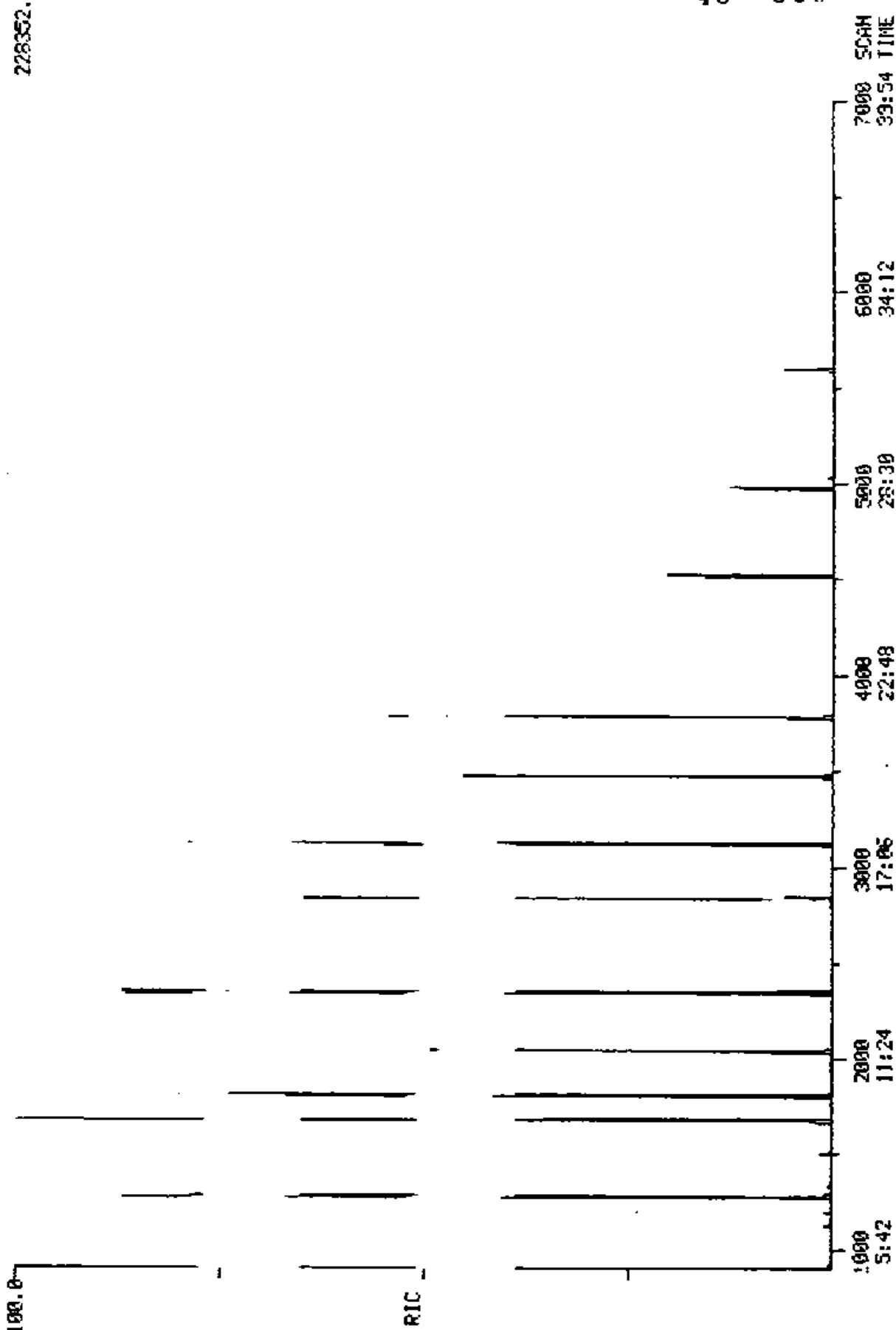
001819

RIC
 12/16/93 16:19:00
 SAMPLE: MBX111811 SURF50X100
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
 DATA: 12169304 #1
 CALL: 12169304 #3
 SCANS 500 TO 7000

100.0

RIC

228352.



Quantitation Report File: 12169304

Data: 12169304.T1

12/16/93 16:19:00

Sample: MB*1118*1 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 C130 3955-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2 C140 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5 C170 1719-03-5 CHRYSENE-D10 **IS5**
6 C175 1520-96-3 PERYLENE-D12 **IS6**
7 C550 367-12-4 2-FLUOROPHENOL **SU1**
8 C545 4165-62-2 PHENOL-D5 **SU2**
9 C520 4165-60-0 NITROBENZENE-D5 **SU3**
10 C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11 C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12 C530 1718-51-0 TERPHENYL-D14 **SU6**
13 C315 108-95-2 PHENOL
14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15 C330 95-57-8 2-CHLOROPHENOL
16 C335 541-73-1 1,3-DICHLOROBENZENE
17 C340 106-46-7 1,4-DICHLOROBENZENE
18 C350 95-50-1 1,2-DICHLOROBENZENE
19 C345 100-51-6 BENZYL ALCOHOL
20 C355 95-48-7 2-METHYLPHENOL
21 C365 106-44-5 4-METHYLPHENOL
22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24 C375 67-72-1 HEXACHLOROETHANE
25 C410 98-95-3 NITROBENZENE
26 C415 78-59-1 ISOPHORONE
27 C420 88-75-5 2-NITROPHENOL
28 C425 105-67-9 2,4-DIMETHYLPHENOL
29 C430 65-85-0 BENZOIC ACID
30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31 C445 120-82-1 1,2,4-TRICHLOROBENZENE
32 C440 120-83-2 2,4-DICHLOROPHENOL
33 C450 91-20-3 NAPHTHALENE
34 C455 106-47-8 4-CHLOROANILINE
35 C460 87-68-3 HEXACHLOROBUTADIENE
36 C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37 C470 91-57-6 2-METHYLNAPHTHALENE
38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
41 C525 91-58-7 2-CHLORONAPHTHALENE
42 C530 88-74-4 2-NITROANILINE
43 C535 131-11-3 DIMETHYLPHTHALATE
44 C540 208-96-8 ACENAPHTHYLENE
45 C543 606-20-2 2,6-DINITROTOLUENE
46 C545 99-09-2 3-NITROANILINE
47 C550 83-32-9 ACENAPHTHENE

001822

No Name
 48 C555 51-26-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	UTot
1	152	1810	10:19	1	1.000	A BB	149824.	40.000 NG/UL	7.23
2	136	2352	13:24	2	1.000	A BB	450740.	40.000 NG/UL	7.23
3	164	3129	17:50	3	1.000	A BB	214868.	40.000 NG/UL	7.23
4	188	3790	21:36	4	1.000	A BB	247052.	40.000 NG/UL	7.23
5	240	4977	28:22	5	1.000	A BB	72476.	40.000 NG/UL	7.23
6	264	5603	31:56	6	1.000	A BB	56528.	40.000 UG/ML	7.23
7	112	1277	7:17	1	0.706	A BB	313433.	68.108 UG/ML	12.31
8	99	1682	9:35	1	0.929	A BB	424376.	67.463 UG/ML	12.19
9	82	2047	11:40	2	0.870	A BB	183240.	35.242 UG/ML	6.37
10	172	2843	16:12	3	0.909	A BB	239848.	32.215 UG/ML	5.82
11	330	3480	19:50	4	0.918	A BB	64804.	71.662 UG/ML	12.95
12	244	4523	25:47	5	0.909	A BB	104556.	38.806 UG/ML	7.01
13	NOT	FOUND							
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
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50	NOT	FOUND							

Quantitation Report File: 12169304

Data: 12169304.TI

12/16/93 16:19:00

Sample: MB*111B*1 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001824

48 603

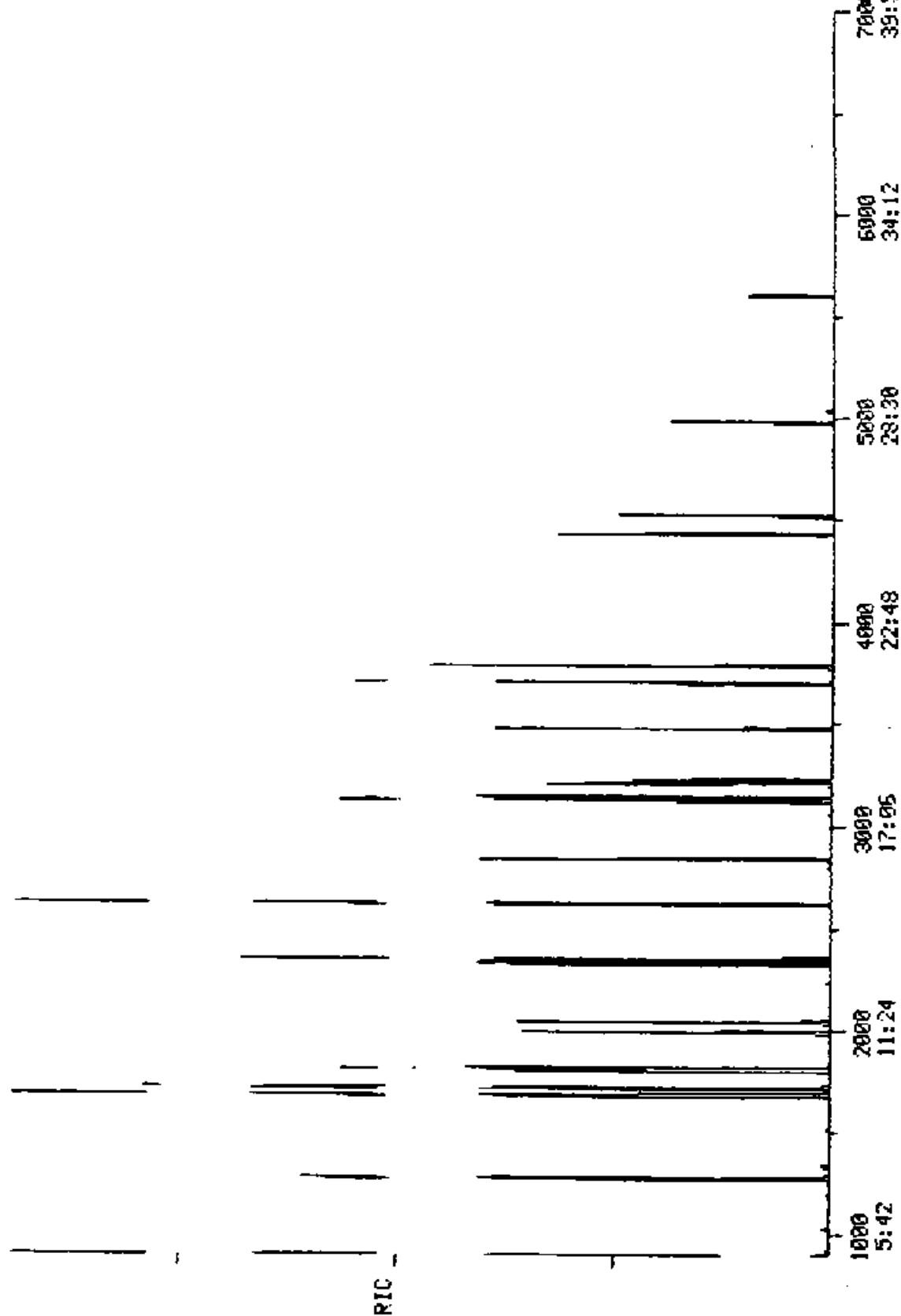
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001825

RIC
 12/15/93 21:45:00 DATA: 12159310 #1 SCANS 900 TO 7000
 SAMPLE: SP1X1118X1 SUR150X100 TAR150X100 CALL: 12159310 #3
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0, 4.0 GAIN: A 0, 1.0 J 0 BASE: U 20, 3

100.0-

353200.



001826

Quantitation Report File: 12159310

Data: 12159310.TI

12/15/93 21:45:00

Sample: SP1*1118*1 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 941-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSD-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLORDETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 103-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001827

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	%Tot
1	192	1813	10:20	1	1.000	A BB	181048.	40.000 NG/UL	3.35
2	136	2354	13:25	2	1.000	A BB	541808.	40.000 NG/UL	3.35
3	164	3131	17:51	3	1.000	A BB	264836.	40.000 NG/UL	3.35
4	188	3792	21:37	4	1.000	A BB	321640.	40.000 NG/UL	3.35
5	240	4980	28:23	5	1.000	A BB	149496.	40.000 NG/UL	3.35
6	264	5605	31:57	6	1.000	A BB	127148.	40.000 UG/ML	3.35
7	112	1278	7:17	1	0.705	A BB	330540.	63.526 UG/ML	5.32
8	99	1685	9:36	1	0.929	A BB	484116.	64.531 UG/ML	5.40
9	82	2049	11:41	2	0.870	A BB	219188.	36.317 UG/ML	3.04
10	172	2849	16:13	3	0.909	A BB	291424.	32.713 UG/ML	2.74
11	330	3482	19:51	4	0.918	A BB	90524.	78.111 UG/ML	6.54
12	244	4525	23:48	5	0.909	A BB	183836.	41.078 UG/ML	3.44
13	94	1692	9:39	1	0.933	A BB	617056.	79.003 UG/ML	6.61
14	NOT FOUND								
15	128	1724	9:50	1	0.951	A BB	456688.	76.115 UG/ML	6.37
16	NOT FOUND								
17	146	1819	10:22	1	1.003	A BB	199364.	30.858 UG/ML	2.58
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2001	11:24	1	1.104	A BB	142708.	27.621 UG/ML	2.31
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	143744.	33.536 UG/ML	2.81
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	351864.	84.714 UG/ML	7.09
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	153	3145	17:56	3	1.004	A BB	238288.	37.288 UG/ML	3.12
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	61940.	81.986 UG/ML	6.86
50	NOT FOUND								

Quantitation Report File: 12159310

Data: 12159310.TI

12/15/93 21:45:00

Sample: SP1*1118*1 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 532-27-4 2-CHLORACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	ZTot
51	165	3232	18:25	3	1.032	A BB	75044.	36.287 UG/ML	3.04
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3712	21:10	4	0.979	A BB	128984.	99.145 UG/ML	8.30
61	NOT FOUND								
62	NOT FOUND								

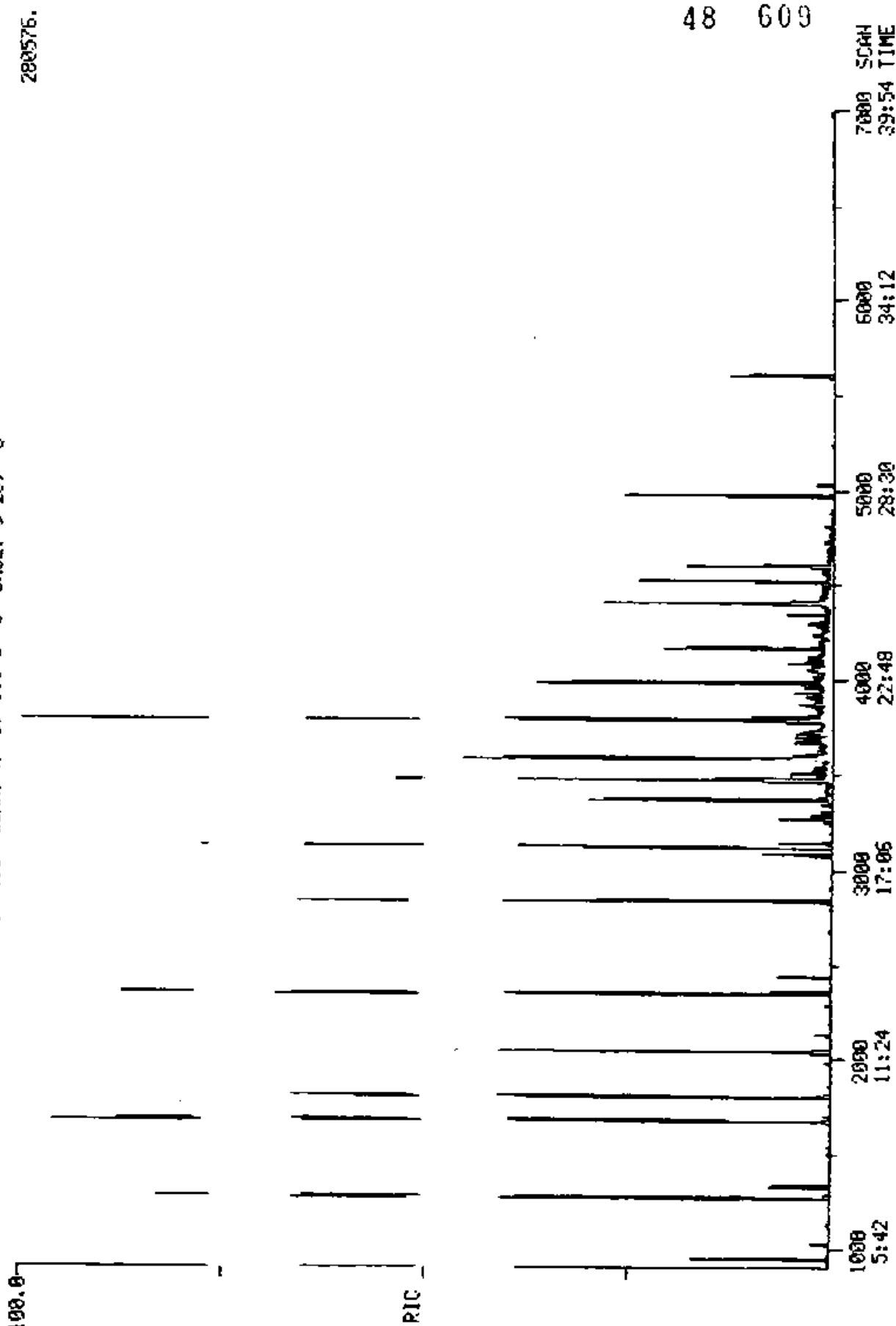
001829

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4433	25:16	S	0.890	A BB	269264.	49.437 UG/ML	4.14
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	S	1.011	A BB	5876.	2.285 UG/ML	0.19
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

RIC
 12/15/93 22:43:00
 SAMPLE: COUNTING SURF50X100
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0. 4.0 QUNN: A 0. 1.0 J 0 BASE: U 20. 3
 DATA: 12159311 #1
 CALL: 12159311 #3
 SCANS 900 TO 7000

100.0

200576.



001831

48 609

Quantitation Report File: 12159311

Data: 12159311.T1

12/15/93 22:43:00

Sample: CDDMTW*9 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 C130 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
 2 C140 1146-65-2 NAPHTHALENE-DB **IS2**
 3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 C170 1719-03-5 CHRYSENE-D10 **IS5**
 6 C175 1520-96-3 PERYLENE-D12 **IS6**
 7 C550 367-12-4 2-FLUOROPHENOL **SU1**
 8 C545 4165-62-2 PHENOL-D5 **SU2**
 9 C520 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C525 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
 12 C530 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 106-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLORO BENZENE
 17 C340 106-46-7 1,4-DICHLORO BENZENE
 18 C350 95-50-1 1,2-DICHLORO BENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSD-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLORO BENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLORO BUTADIENE
 36 C465 59-50-7 4-CHLORO-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 68-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001832

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1812	10:20	1	1.000	A BB	161604.	40.000 NG/UL	7.16
2	136	2354	13:25	2	1.000	A BB	563596.	40.000 NG/UL	7.16
3	164	3130	17:50	3	1.000	A BB	264132.	40.000 NG/UL	7.16
4	188	3792	21:37	4	1.000	A BB	376704.	40.000 NG/UL	7.16
5	240	4979	28:23	5	1.000	A BB	158848.	40.000 NG/UL	7.16
6	264	5605	31:57	6	1.000	A BB	133800.	40.000 UG/ML	7.16
7	112	1278	7:17	1	0.705	A BB	381039.	68.842 UG/ML	12.32
8	99	1684	9:36	1	0.929	A BB	535500.	71.162 UG/ML	12.73
9	82	2048	11:40	2	0.870	A BB	233052.	37.121 UG/ML	6.64
10	172	2845	16:13	3	0.909	A BB	320144.	33.497 UG/ML	5.99
11	330	3482	19:51	4	0.918	A BB	96416.	71.034 UG/ML	12.71
12	244	4524	25:47	5	0.909	A BB	153260.	32.229 UG/ML	5.77
13	94	1687	9:37	1	0.931	A BB	10864.	1.387 UG/ML	0.25
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12159311

Data: 12159311.TI

12/15/93 22:43:00

Sample: CDDMTW*9 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

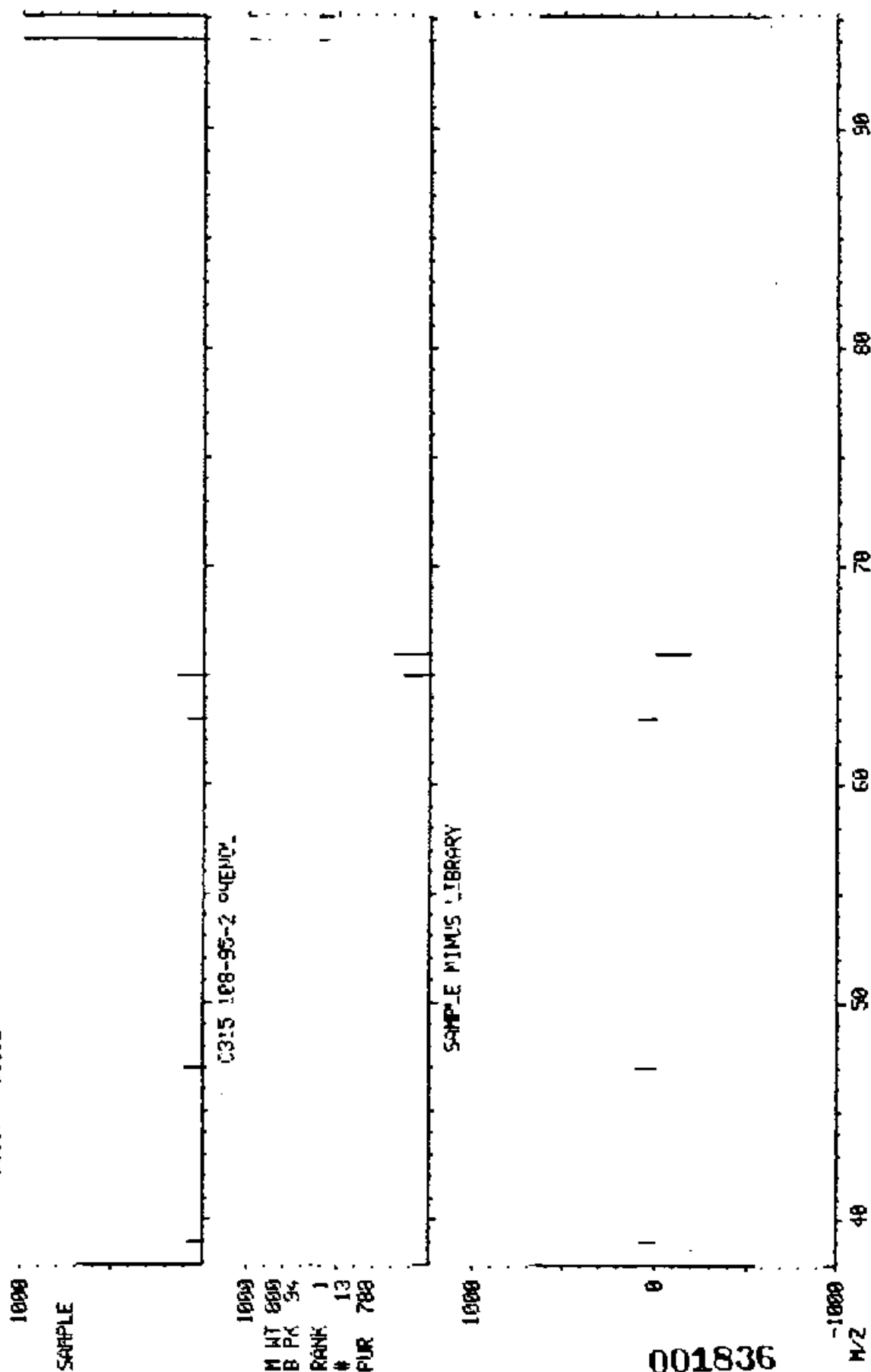
No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
63	149	4093	23:20	4	1.079	A BB	976.	0.085 UG/ML	0.02
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5033	28:41	5	1.011	A BB	9728.	3.560 UG/ML	0.64
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

MID LIBRARY SEARCH (LIBRARY51)
 12/15/93 22:43:00 + 9:37
 SAMPLE: C00MTW19 SURF50x100
 COND.:
 #1587 - #1582

DATA: 12159311 #1587
 CALI: 12159311 # 3
 BASE M/Z: 94
 RIC: 4524.

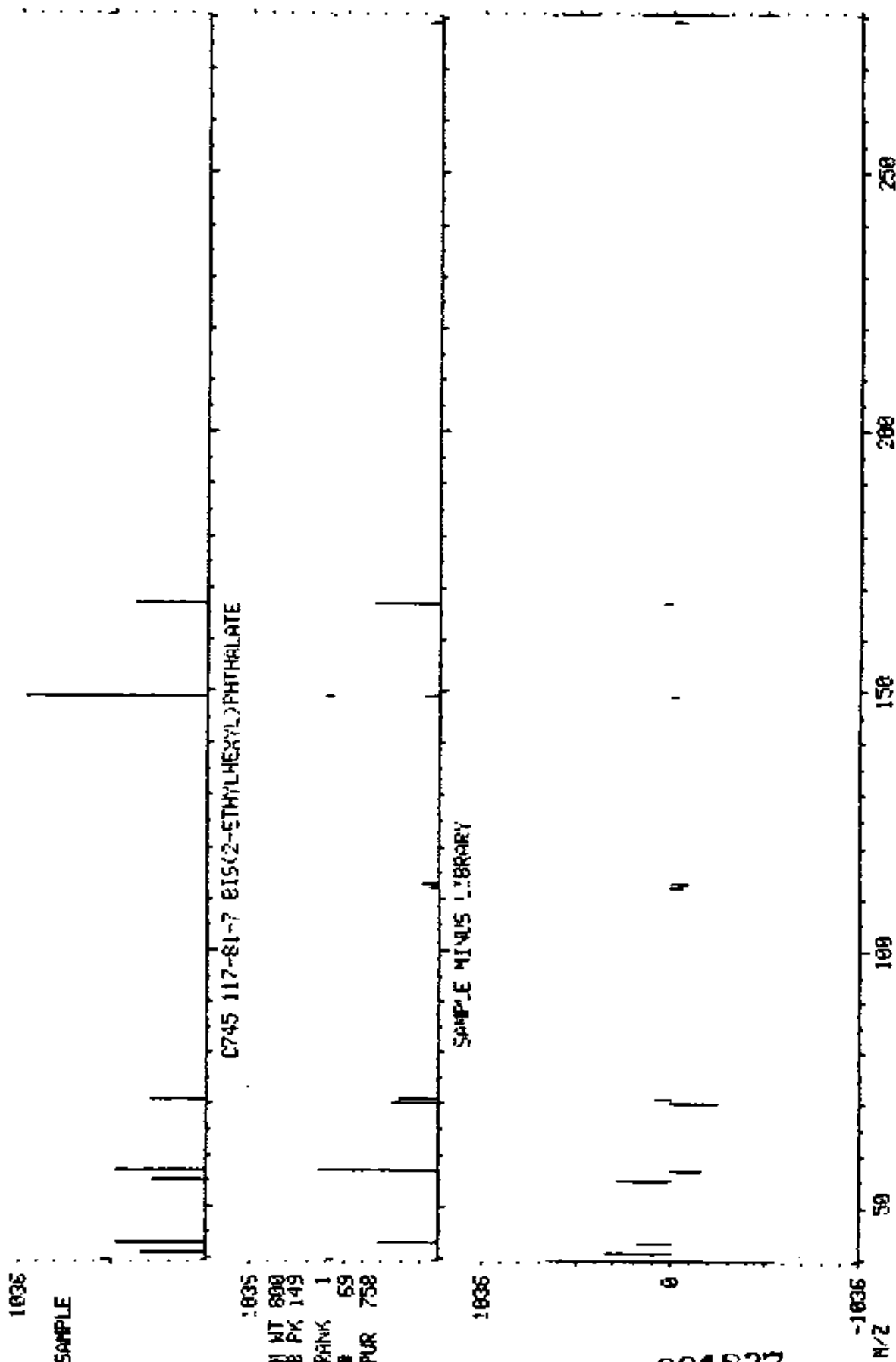


MID LIBRARY SEARCH (LIBRARY51)

12/15/93 22:43:00 + 28:41

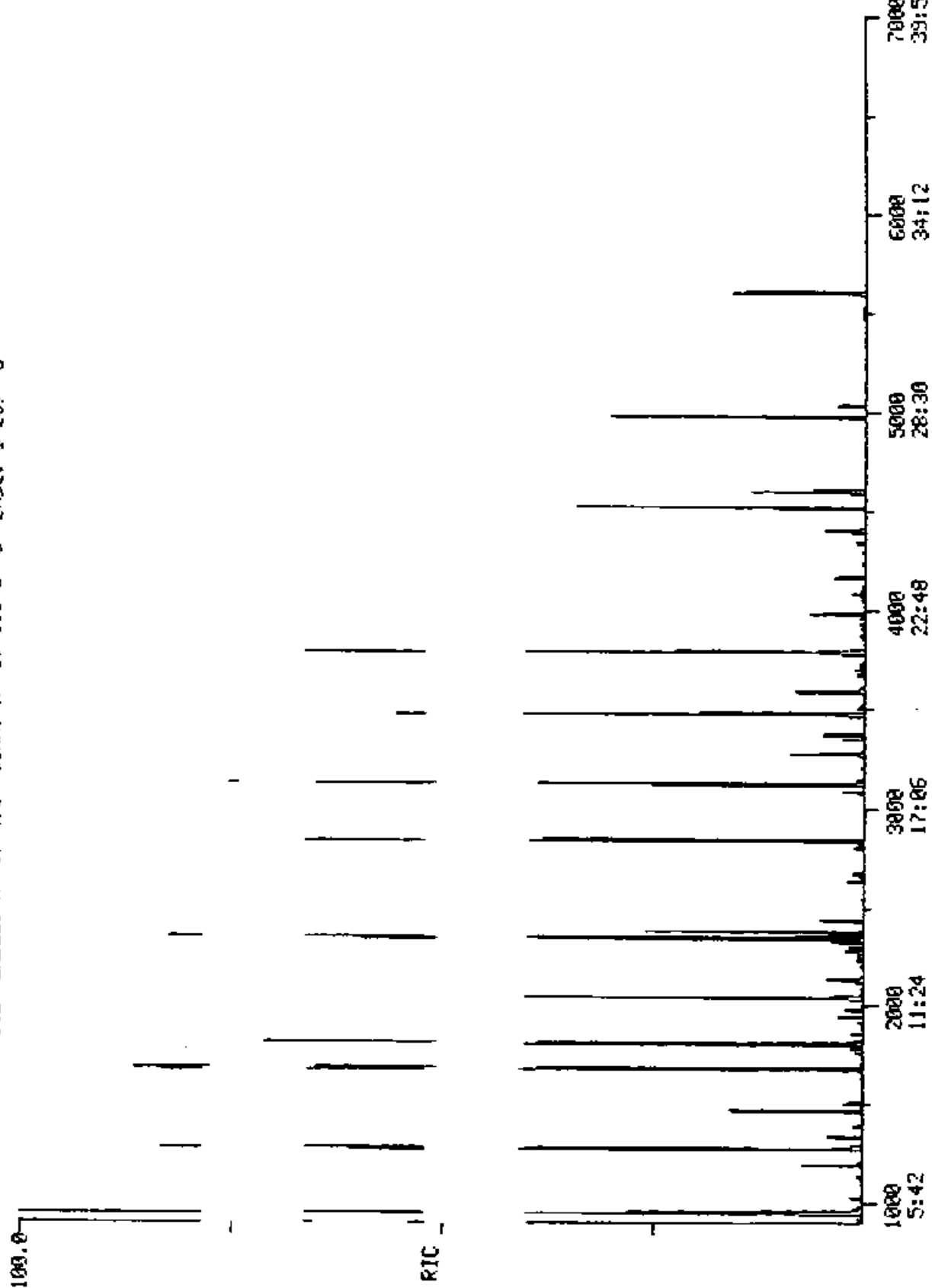
SAMPLE: COOINTH#9 SURF50X100

COND.S.:

DATA: 12159311 #5833
CALI: 12159311 # 3BASE M/Z: 149
PIC: 5688.

RIC
 12/15/93 23:40:00 DATA: 12159312 #1 SCANS 900 TO 7000
 SAMPLE: CODMTW#10 SURTS0X100 CALL: 12159312 #3
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

100.0 335872.



001838

48 616

Quantitation Report File: 12159312

Data: 12159312.TI

12/19/93 23:40:00

Sample: CDDMTW*10 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
 2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
 6 CI75 1520-96-3 PERYLENE-D12 **IS6**
 7 CS50 367-12-4 2-FLUOROPHENOL **SU1**
 8 CS45 4165-62-2 PHENOL-D5 **SU2**
 9 CS20 4165-60-0 NITROBENZENE-D9 **SU3**
 10 CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
 12 CS30 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLOROBENZENE
 17 C340 106-46-7 1,4-DICHLOROBENZENE
 18 C350 95-50-1 1,2-DICHLOROBENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLOROBENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLOROBUTADIENE
 36 C465 59-50-7 4-CHLOR-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001839

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1812	10:20	1	1.000	A BB	202768.	40.000 NG/UL	6.77
2	136	2354	13:25	2	1.000	A BB	615800.	40.000 NG/UL	6.77
3	164	3131	17:51	3	1.000	A BB	322008.	40.000 NG/UL	6.77
4	188	3792	21:37	4	1.000	A BB	434064.	40.000 NG/UL	6.77
5	240	4980	28:23	5	1.000	A BB	215900.	40.000 NG/UL	6.77
6	264	5605	31:57	6	1.000	A BB	183268.	40.000 UG/ML	6.77
7	112	1280	7:18	1	0.706	A BB	472639.	76.478 UG/ML	12.95
8	99	1685	9:36	1	0.930	A BB	633456.	75.393 UG/ML	12.77
9	82	2049	11:41	2	0.870	A BB	279356.	40.725 UG/ML	6.90
10	172	2845	16:13	3	0.909	A BB	385272.	35.570 UG/ML	6.02
11	330	3483	19:51	4	0.919	A BB	117216.	74.946 UG/ML	12.69
12	244	4525	25:48	5	0.909	A BB	243432.	37.664 UG/ML	6.38
13	94	1688	9:37	1	0.932	A BB	37676.	4.307 UG/ML	0.73
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12159312

Data: 12159312.T1

12/15/93 23:40:00

Sample: CDDMTW*10 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHthalATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHthalATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHthalATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHthalATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHthalATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

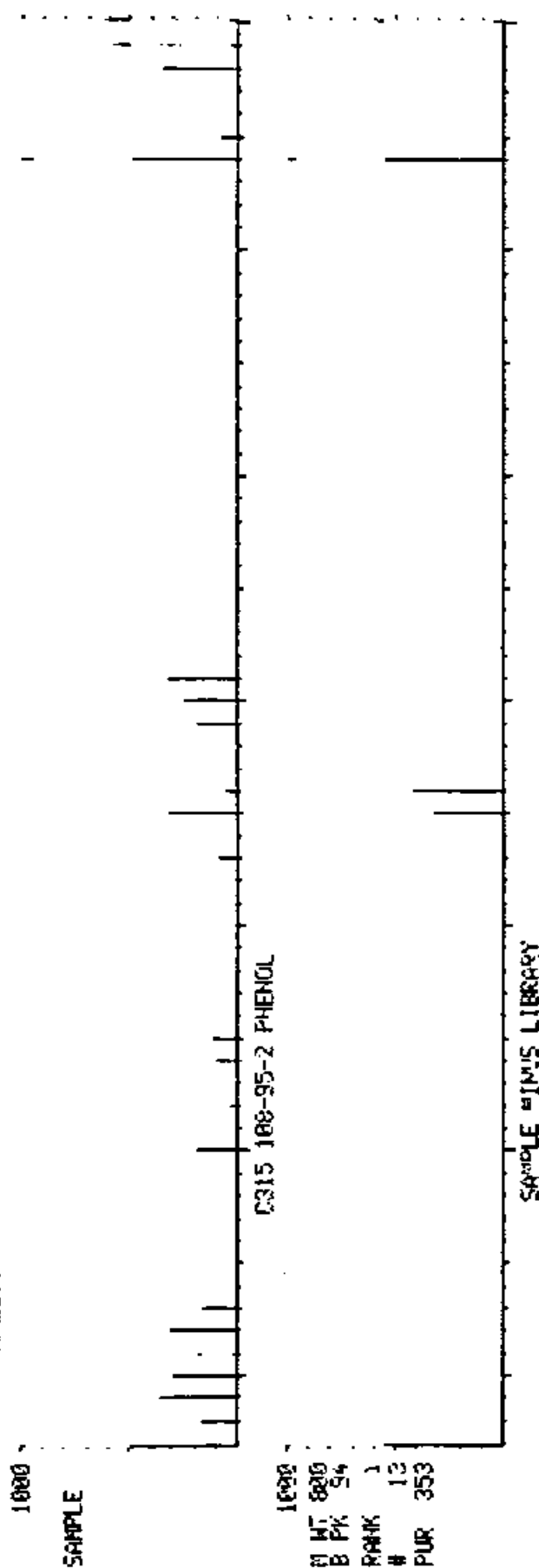
No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	ZTot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001841

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	%Tot
63	149	4093	23:20	4	1.079	A BB	5004.	0.377 UG/ML	0.06
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5034	28:42	5	1.011	A BB	19196.	5.168 UG/ML	0.88
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

MID LIBRARY SEARCH (LIBRARY1)
12/15/93 23:40:00 + 9:37
SAMPLE: C00071110 SURF58x180
CONDS.:

DATA: 12159312 #1688
CALL: 12159312 # 3
BASE M/Z: 94
R1C1 56000.



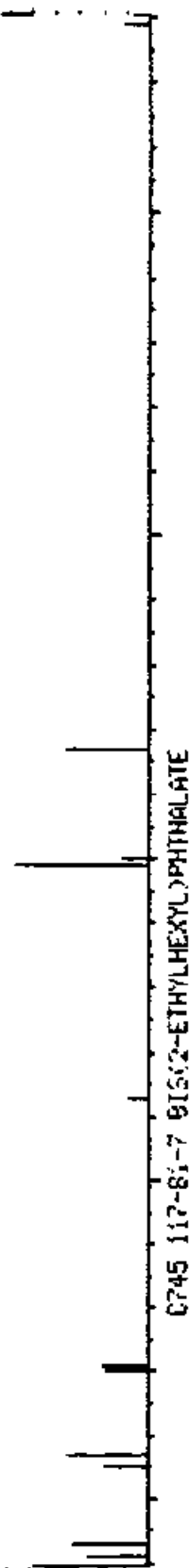
MW 82.09
BPK 54
RANK 1
12
PUR 353

NO LIBRARY SEARCH (LIBRARY51)
12/15/93 23:40:00 + 20:42
SAMPLE: CDDHTH10 SUR1504100
COND.::

DATA: 12159312 #5034
CALI: 12159312 # 3
BASE M/2: 149
R10: 10960.

1000

SAMPLE



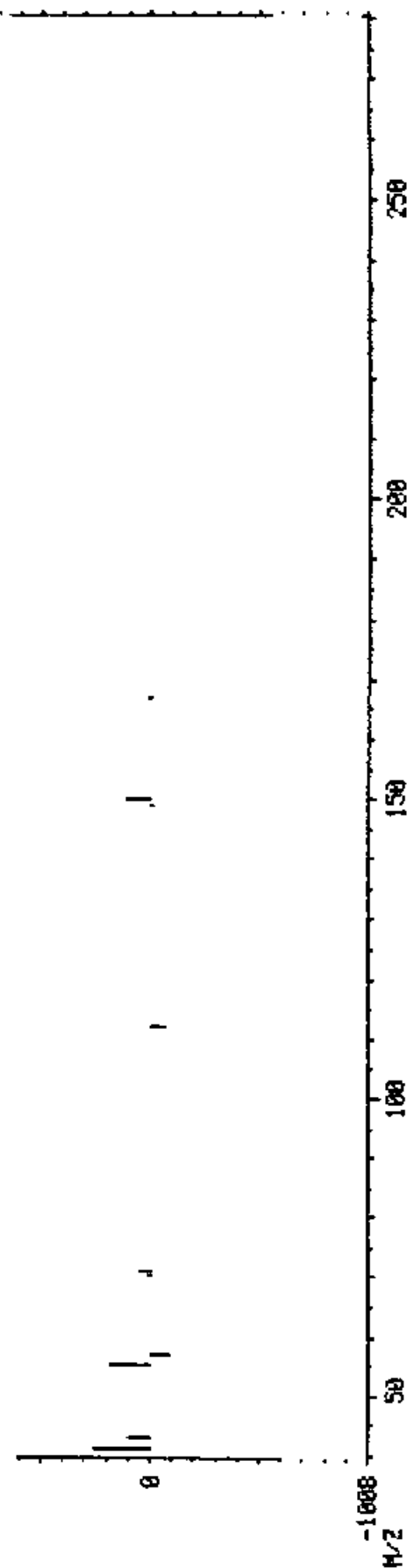
0745 117-81-7 BIS(2-ETHYLHEXYLOPHTHALATE

1000

M WT 800
6 PK 149
24WK 1
65
PUR 871

SAMPLE MINUS LIBRARY

1000



001844

RIC
 12/16/93 3:41:00 DATA: 12159317 #1 SCANS 900 TO 7000
 SAMPLE: C000TH11 SUR#50#100 CALI: 12159317 #3
 CONDS.:
 RANGE: C 1.7982 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

397824.

100.0

RIC

001845

48 623

1000 5:42
 2000 11:24
 3000 17:06
 4000 22:48
 5000 28:30
 6000 34:12
 7000 39:54
 SCAN TIME

Quantitation Report File: 12159317

Data: 12159317.TI

12/16/93 3:41:00

Sample: CDDMTW*11 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C550 367-12-4 2-FLUOROPHENOL **SU1**
8	C545 4165-62-2 PHENOL-D5 **SU2**
9	C520 4165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	C530 1718-91-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 341-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORODANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001846

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1812	10:20	1	1.000	A BB	194740.	40.000 NG/UL	8.20
2	136	2393	13:25	2	1.000	A BB	637560.	40.000 NG/UL	8.20
3	164	3131	17:51	3	1.000	A BB	319700.	40.000 NG/UL	8.20
4	188	3792	21:37	4	1.000	A BB	420068.	40.000 NG/UL	8.20
5	240	4979	28:23	5	1.000	A BB	191212.	40.000 NG/UL	8.20
6	264	5604	31:57	6	1.000	A BB	150640.	40.000 UG/ML	8.20
7	112	1278	7:17	1	0.705	A BB	288980.	52.506 UG/ML	10.77
8	99	1683	9:36	1	0.929	A BB	330104.	39.987 UG/ML	8.20
9	82	2048	11:40	2	0.870	A BB	250532.	34.451 UG/ML	7.06
10	172	2844	16:13	3	0.908	A BB	365880.	33.917 UG/ML	6.95
11	330	3482	19:51	4	0.918	A BB	97836.	64.511 UG/ML	13.23
12	244	4924	25:47	5	0.909	A BB	118280.	18.242 UG/ML	3.74
13	94	1686	9:37	1	0.930	A BB	5740.	0.641 UG/ML	0.13
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

001847

Quantitation Report File: 12159317

Data: 12159317.T1

12/16/93 3:41:00

Sample: CDDMTW*11 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

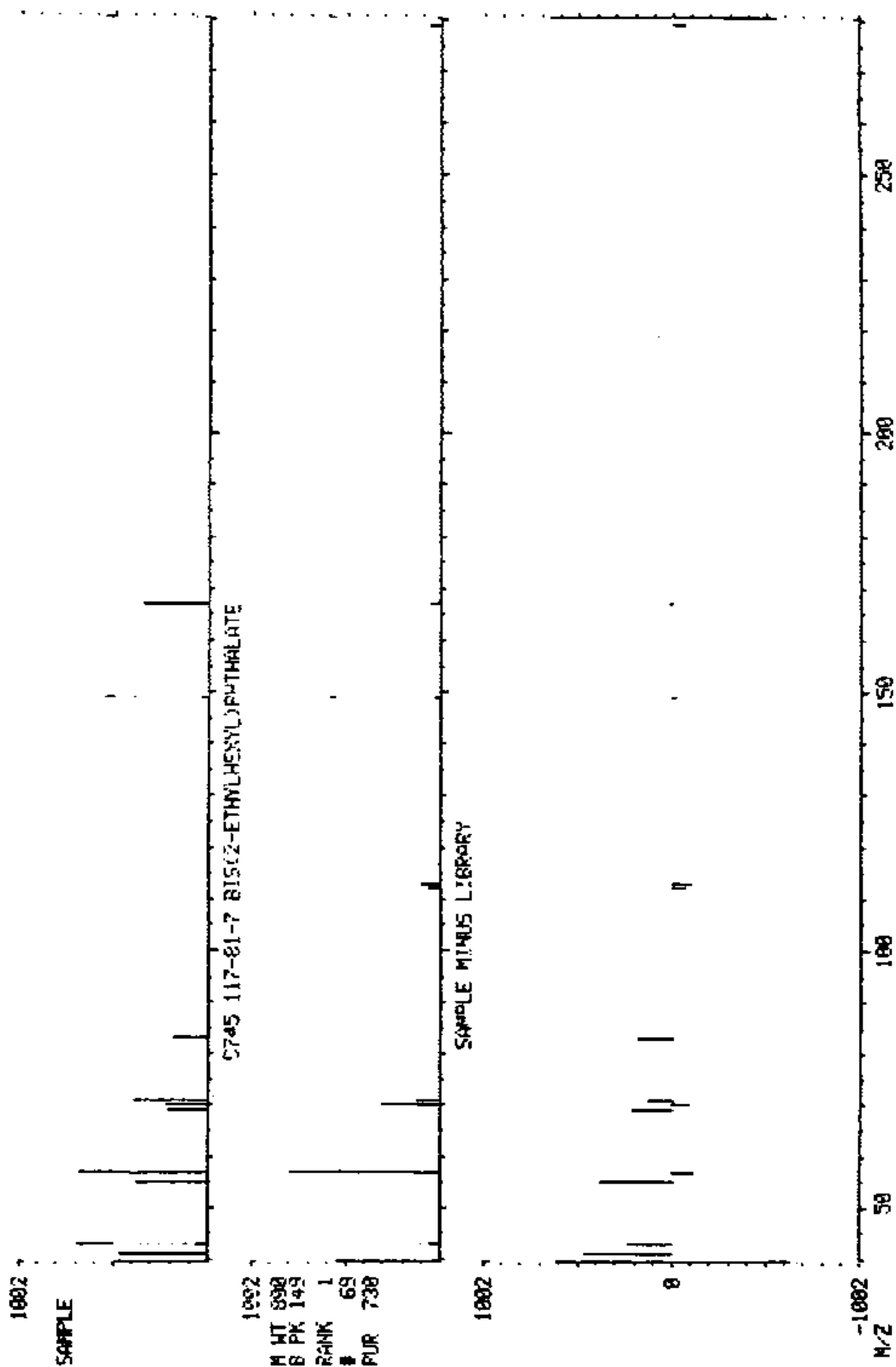
No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							

001848

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
63	149	4093	23:20	4	1.079	A BB	2244.	0.187 UG/ML	0.04
64	NOT FOUND								
65	NOT FOUND								
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5034	28:42	5	1.011	A BB	9696.	2.826 UG/ML	0.58
70	NOT FOUND								
71	149	5312	30:17	6	0.948	A VV	2176.	0.445 UG/ML	0.09
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

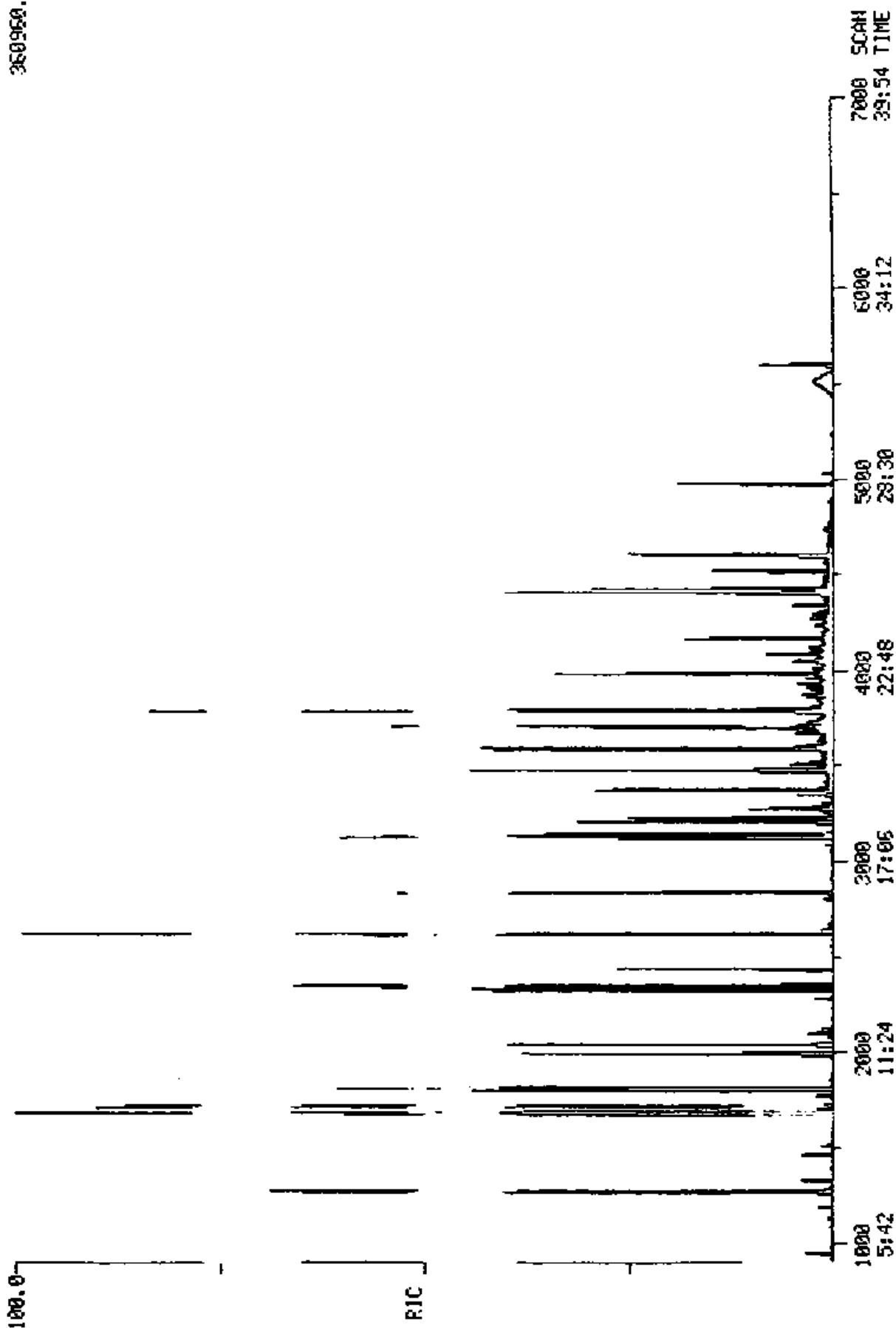
MID LIBRARY SEARCH (LIBRARYSL)
 12/16/93 3:41:00 + 28:42
 SAMPLE: C00NTIAX11 SURF50x100
 COND.:

DATA: 12159317 #5034
 CALL: 12159317 # 3
 BASE M/Z: 149
 RIC: 8320.



RIC
12/16/93 4:38:00 DATA: 12159318 #1 SCANS 900 TO 7000
CALL: 12159318 #3
SAMPLE: SPH11CDMTM#11 SUR#50#100 TAR#50#100
COND.:
RANGE: 6 1.7982 LABEL: N 8, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

360950.



001851

Quantitation Report File: 12159318

Data: 12159318.T1

12/16/93 4:38:00

Sample: SPM1*CDDMTW*11 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLORO BENZENE
17	C340 106-46-7 1,4-DICHLORO BENZENE
18	C350 95-50-1 1,2-DICHLORO BENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLORO BENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001852

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1812	10:20	1	1.000	A BB	194224.	40.000 NG/UL	3.28
2	136	2354	13:25	2	1.000	A BB	609496.	40.000 NG/UL	3.28
3	164	3131	17:51	3	1.000	A BB	286384.	40.000 NG/UL	3.28
4	188	3792	21:37	4	1.000	A BB	363608.	40.000 NG/UL	3.28
5	240	4979	28:23	5	1.000	A BB	142972.	40.000 NG/UL	3.28
6	264	5604	31:57	6	1.000	A BB	122088.	40.000 UG/ML	3.28
7	112	1278	7:17	1	0.705	A BB	413931.	75.409 UG/ML	6.18
8	99	1686	9:37	1	0.930	A BB	577516.	70.142 UG/ML	5.75
9	82	2049	11:41	2	0.870	A BB	254880.	36.663 UG/ML	3.01
10	172	2844	16:13	3	0.908	A BB	345180.	35.721 UG/ML	2.93
11	330	3482	19:51	4	0.918	A BB	101244.	77.125 UG/ML	6.32
12	244	4524	25:47	5	0.909	A BB	120228.	24.799 UG/ML	2.03
13	94	1693	9:39	1	0.934	A BB	723192.	81.024 UG/ML	6.64
14	NOT FOUND								
15	128	1723	9:49	1	0.951	A BB	521836.	84.132 UG/ML	6.90
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A BB	233528.	33.948 UG/ML	2.78
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2001	11:24	1	1.104	A VB	166960.	29.886 UG/ML	2.45
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	165404.	34.098 UG/ML	2.80
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	397776.	90.695 UG/ML	7.43
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	153	3145	17:56	3	1.004	A BB	257548.	36.529 UG/ML	2.99
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	63408.	86.623 UG/ML	7.10
50	NOT FOUND								

001853

Quantitation Report File: 12159318

Data: 12159318.T1

12/16/93 4:38:00

Sample: SPM1*CDDMTW*11 SUR*50*100 TAR*50*100

Cands.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 532-27-4 2-CHLORACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	165	3231	18:25	3	1.032	A 88	88180.	43.422 UG/ML	3.56
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3711	21:09	4	0.979	A 88	131132.	93.744 UG/ML	7.68
61	NOT FOUND								
62	NOT FOUND								

001854

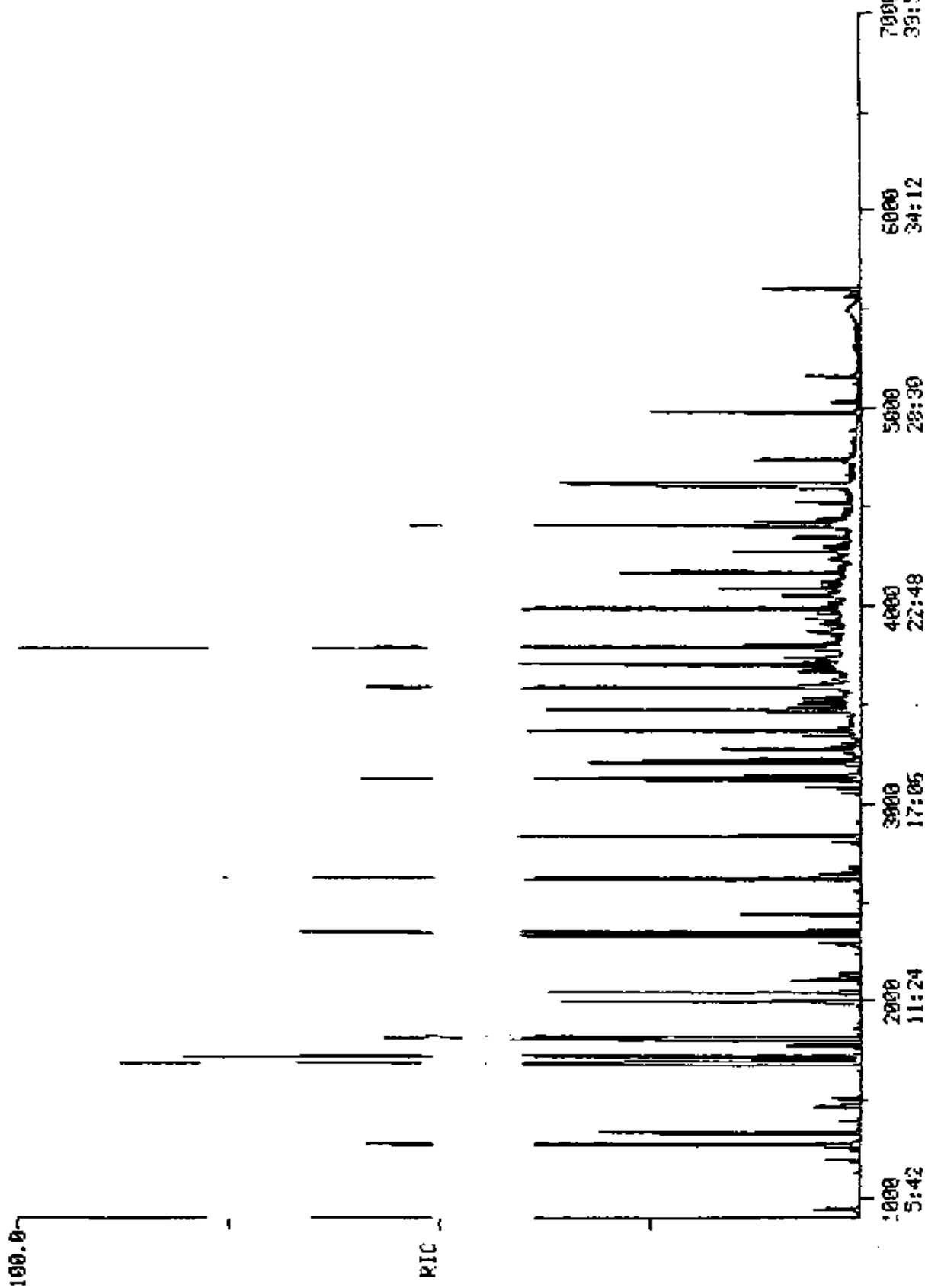
48 633

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4432	25:16	5	0.890	A BB	260544.	43.281 UG/ML	3.55
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5033	28:41	5	1.011	A BB	6868.	2.677 UG/ML	0.22
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001855

RIC
 12/16/93 5:34:00 DATA: 12159319 #1 SCANS 900 TO 7000
 SAMPLE: 5PM2XCD00MTW11 SUR150*100 TARI50*100 CALI: 12159319 #3
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0. 4.0 QUAN: A 0. 1.0 J 0 BASE: U 20. 3

100.0 402944.



001856

48 634
7000 SCAN
39:12 TIME

Quantitation Report File: 12159319

Data: 12159319.T1

12/16/93 5:34:00

Sample: SPM2*CDDMTW*11 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 C130 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
 2 C140 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 C170 1719-03-5 CHRYSENE-D10 **IS5**
 6 C175 1520-96-3 PERYLENE-D12 **IS6**
 7 C530 367-12-4 2-FLUOROPHENOL **SU1**
 8 C545 4165-62-2 PHENOL-D5 **SU2**
 9 C520 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C525 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
 12 C530 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLORO BENZENE
 17 C340 106-46-7 1,4-DICHLORO BENZENE
 18 C350 95-50-1 1,2-DICHLORO BENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLORO BENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLORO BUTADIENE
 36 C465 59-50-7 4-CHLORO-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001857

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1812	10:20	1	1.000	A BB	200824.	40.000 NG/UL	3.68
2	136	2354	13:25	2	1.000	A BB	626720.	40.000 NG/UL	3.68
3	164	3130	17:50	3	1.000	A BB	301328.	40.000 NG/UL	3.68
4	188	3791	21:37	4	1.000	A BB	411988.	40.000 NG/UL	3.68
5	240	4979	28:23	5	1.000	A BB	195600.	40.000 NG/UL	3.68
6	264	5604	31:57	6	1.000	A BB	164080.	40.000 UG/ML	3.68
7	112	1279	7:17	1	0.706	A BB	400811.	70.619 UG/ML	6.50
8	99	1686	9:37	1	0.930	A BB	542632.	63.740 UG/ML	5.87
9	82	2048	11:40	2	0.870	A BB	272652.	38.141 UG/ML	3.51
10	172	2844	16:13	3	0.909	A BB	316940.	31.172 UG/ML	2.87
11	330	3482	19:31	4	0.918	A BB	90480.	60.831 UG/ML	5.60
12	244	4523	25:47	5	0.908	A BB	66532.	10.031 UG/ML	0.92
13	94	1692	9:39	1	0.934	A BB	672624.	72.881 UG/ML	6.71
14	NOT FOUND								
15	128	1723	9:49	1	0.951	A BB	502456.	78.345 UG/ML	7.22
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A BB	245616.	34.532 UG/ML	3.18
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	70	2001	11:24	1	1.104	A VB	176212.	30.506 UG/ML	2.81
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	168300.	33.741 UG/ML	3.11
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	312540.	69.303 UG/ML	6.38
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	152	3064	17:28	3	0.979	A BB	26640.	2.159 UG/ML	0.20
45	NOT FOUND								
46	NOT FOUND								
47	153	3144	17:55	3	1.004	A BB	142212.	19.170 UG/ML	1.77
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	74068.	96.167 UG/ML	8.86
50	NOT FOUND								

001858

Quantitation Report File: 12159319

Data: 12159319.T1

12/16/93 5:34:00

Sample: SPM2*CDDMTW*11 SUR*50*100 (AR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7003-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
79	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 532-27-4 2-CHLORACETOPHENONE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3232	18:25	3	1.033	A BB	99620.	46.622 UG/ML	4.29
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3711	21:09	4	0.979	A BB	109412.	69.031 UG/ML	6.36
61	NOT FOUND								
62	NOT FOUND								

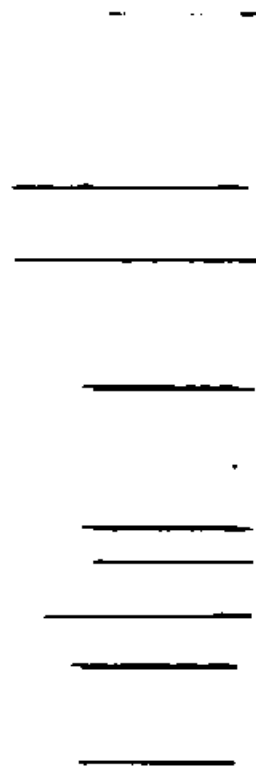
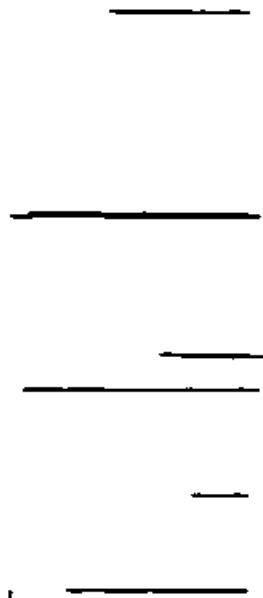
001859

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
63	NOT FOUND								
64	NOT FOUND								
65	202	4431	25:15	5	0.890	A 88	108860.	13.220 UG/ML	1.22
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5033	28:41	5	1.011	A 88	19516.	5.560 UG/ML	0.51
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

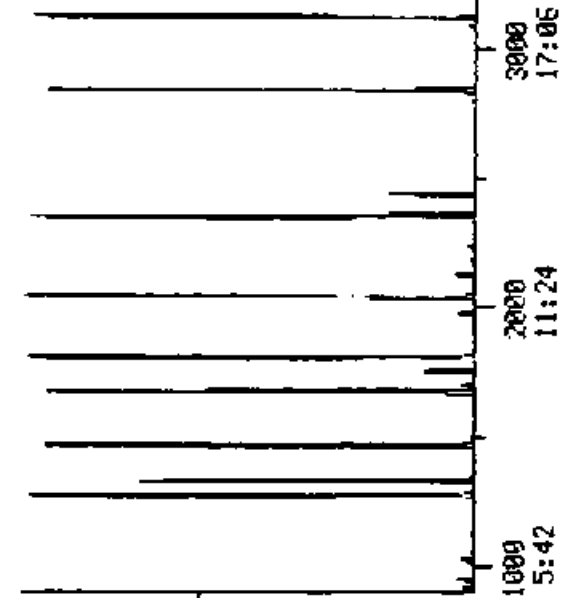
RIC
 12/16/93 17:17:00
 SAMPLE: C00NTH#12 SUR#50#100
 CONDS.:
 RANGE: G 1.7982 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
 DATA: 12163305 #1
 CALL: 12163305 #3
 SCANS 900 TO 7000

196095.

100.0-



RIC



001861

48 639

1000 5:42
 2000 11:24
 3000 17:06
 4000 22:48
 5000 28:30
 6000 34:12
 7000 39:54
 SCAN TIME

Quantitation Report File: 12169305

Data: 12169305.TI

12/16/93 17:17:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-91-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSDI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001862

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
1	152	1811	10:19	1	1.000	A BB	146076.	40.000 NG/UL	7.57
2	136	2352	13:24	2	1.000	A BB	444792.	40.000 NG/UL	7.57
3	164	3129	17:50	3	1.000	A BB	217332.	40.000 NG/UL	7.57
4	188	3790	21:36	4	1.000	A BB	246220.	40.000 NG/UL	7.57
5	240	4977	28:22	5	1.000	A BB	75084.	40.000 NG/UL	7.57
6	264	5602	31:56	6	1.000	A BB	58276.	40.000 UG/ML	7.57
7	112	1277	7:17	1	0.705	A BB	259602.	57.858 UG/ML	10.95
8	99	1682	9:35	1	0.929	A BB	353180.	57.585 UG/ML	10.89
9	82	2046	11:40	2	0.870	A BB	177124.	34.522 UG/ML	6.53
10	172	2842	16:12	3	0.908	A BB	239648.	31.823 UG/ML	6.02
11	330	3480	19:50	4	0.918	A BB	59940.	66.507 UG/ML	12.58
12	244	4523	25:47	5	0.909	A BB	110708.	39.662 UG/ML	7.50
13	94	1686	9:37	1	0.931	A BB	4312.	0.688 UG/ML	0.13
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12169305

Data: 12169305.T1

12/16/93 17:17:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							

001864

48 643

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001865

PROCEDURE: TCA
 DATA FILE: 12159309
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 10:10:22

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	116	12	12	1	105	MI/MS	
6	6	1	116	16	6	1	116	MI/M1	
6	6	1	116	16	6	1	116	MI/M2	
6	6	1	116	16	6	1	116	MI/M3	
6	6	1	116	16	6	1	116	MI/M4	
6	6	1	116	16	6	1	116	MI/M5	
6	6	1	116	25	6	1	116	MI/M6	

81 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND >			>< ----- SEARCH ----- ><					>< SAT ><		>< ----- CHRD ----- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1813	1812	-1	1	996	.	152	1812	.	1
2	S1	2	-2363	2354	2354	.	1	989	.	136	2354	.	1
3	S1	3	-3139	3130	3131	1	1	997	.	164	3130	-1	1
4	S1	4	-3801	3791	3792	1	1	993	.	188	3792	.	1
5	S1	5	-4991	4980	4980	.	1	994	.	240	4980	.	1
6	S1	6	-5619	5607	5606	-1	1	958	.	264	5606	.	1
7	S1	7	-1287	1279	1278	-1	1	998	.	112	1279	1	1
8	S1	8	-1692	1683	1683	.	1	997	.	99	1683	.	1
9	S1	9	-2058	2049	2048	-1	1	999	.	82	2048	.	1
10	S1	10	-2853	2844	2844	.	1	997	.	172	2844	.	1
11	S1	11	-3492	3482	3482	.	1	988	.	330	3482	.	1
12	S1	12	-4534	4524	4525	1	1	998	.	244	4525	.	1
13	S1	13	-1698	1690	.	.	.	.	.	94	.	.	.
14	S1	14	-1729	1721	.	.	.	.	.	93	.	.	.
15	S1	15	-1731	1723	.	.	.	.	.	128	.	.	.
16	S1	16	-1794	1786	.	.	.	.	.	146	.	.	.
17	S1	17	-1828	1820	.	.	.	.	.	146	.	.	.
18	S1	18	-1887	1879	.	.	.	.	.	146	.	.	.
19	S1	19	-1892	1884	.	.	.	.	.	108	.	.	.
20	S1	20	-1947	1939	.	.	.	.	.	108	.	.	.
21	S1	21	-2016	2008	.	.	.	.	.	108	.	.	.
22	S1	22	-1957	1949	.	.	.	.	.	45	.	.	.
23	S1	23	-2012	2004	.	.	.	.	.	70	.	.	.
24	S1	24	-2029	2021	.	.	.	.	.	117	.	.	.
25	S1	25	-2067	2059	.	.	.	.	.	77	.	.	.
26	S1	26	-2177	2169	.	.	.	.	.	82	.	.	.
27	S1	27	-2203	2195	.	.	.	.	.	139	.	.	.
28	S1	28	-2242	2234	.	.	.	.	.	107	.	.	.
29	S1	29	-2307	2299	.	.	.	.	.	122	.	.	.
30	S1	30	-2285	2277	.	.	.	.	.	93	.	.	.
31	S1	31	-2343	2334	.	.	.	.	.	180	.	.	.
32	S1	32	-2309	2301	.	.	.	.	.	162	.	.	.
33	S1	33	-2372	2363	.	.	.	.	.	128	.	.	.
34	S1	34	-2407	2398	.	.	.	.	.	127	.	.	.
35	S1	35	-2437	2428	.	.	.	.	.	225	.	.	.
36	S1	36	-2632	2623	.	.	.	.	.	107	.	.	.
37	S1	37	-2681	2672	.	.	.	.	.	142	.	.	.
38	S1	38	-2753	2744	.	.	.	.	.	237	.	.	.
39	S1	39	-2811	2802	.	.	.	.	.	196	.	.	.
40	S1	40	-2822	2813	.	.	.	.	.	196	.	.	.
41	S1	41	-2894	2885	.	.	.	.	.	162	.	.	.
42	S1	42	-2948	2939	.	.	.	.	.	65	.	.	.
43	S1	43	-3047	3038	.	.	.	.	.	163	.	.	.

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44	S1	44	-3075	3066
45	S1	45	-3065	3056
46	S1	46	-2948	2939
47	S1	47	-3155	3146
48	S1	48	-3179	3170
49	S1	49	-3219	3210
50	S1	50	-3233	3224
51	S1	51	-3241	3232
52	S1	52	-3366	3356
53	S1	53	-3399	3389
54	S1	54	-3386	3376
55	S1	55	-3404	3394
56	S1	56	-3494	3444
57	S1	57	-3419	3409
58	S1	58	-3615	3605
59	S1	59	-3627	3617
60	S1	60	-3720	3710
61	S1	61	-3812	3802
62	S1	62	-3834	3824
63	S1	63	-4102	4092
64	S1	64	-4344	4333
65	S1	65	-4443	4432
66	S1	66	-4772	4761
67	S1	67	-4988	4977
68	S1	68	-4987	4976
69	S1	69	-5044	5033
70	S1	70	-5002	4991
71	S1	71	-5326	5314
72	S1	72	-5445	5433
73	S1	73	-5457	5445
74	S1	74	-5591	5579
75	S1	75	-6235	6222
76	S1	76	-6260	6247
77	S1	77	-6418	6405
78	S1	178	-2639	2630
79	S1	78	-643	636
80	S1	107	-3753	3743
81	S1	97	-3469	3459

152
165
138
153
184
109
168
165
149
204
166
138
169
198
248
283
266
178
178
149
202
202
149
252
228
149
228
149
252
252
252
276
278
276
105
42
184
77

48 645

5034

1

Quantitation Report File: 12159309

Data: 12159309.TJ

12/15/93 20:47:00

Sample: MB*111B*1 BUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
 Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1917-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1717-03-5 CHRYSENE-D10 **IS5**
6	CI75 1920-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYL ISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-3 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001868

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C569 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	Unit	%Tot
1	152	1812	10:20	1	1.000	A BB	149276.	40.000	NG/UL	7.04
2	136	2354	13:25	2	1.000	A BB	419404.	40.000	NG/UL	7.04
3	164	3130	17:50	3	1.000	A BB	211228.	40.000	NG/UL	7.04
4	188	3792	21:37	4	1.000	A BB	278128.	40.000	NG/UL	7.04
5	240	4980	28:23	5	1.000	A BB	1312926.	40.000	NG/UL	7.04
6	264	5606	31:57	6	1.000	A BB	1169961.	40.000	UG/ML	7.04
7	112	1279	7:17	1	0.706	A BB	327156.	71.907	UG/ML	12.66
8	99	1683	9:36	1	0.929	A BB	427108.	69.049	UG/ML	12.15
9	82	2048	11:40	2	0.870	A BB	182976.	39.165	UG/ML	6.89
10	172	2844	16:13	3	0.909	A BB	245416.	34.541	UG/ML	6.08
11	330	3482	19:51	4	0.918	A BB	72000.	71.846	UG/ML	12.65
12	244	4525	25:48	5	0.909	A BB	156664.	39.860	UG/ML	7.02
13	NOT FOUND									
14	NOT FOUND									
15	NOT FOUND									
16	NOT FOUND									
17	NOT FOUND									
18	NOT FOUND									
19	NOT FOUND									
20	NOT FOUND									
21	NOT FOUND									
22	NOT FOUND									
23	NOT FOUND									
24	NOT FOUND									
25	NOT FOUND									
26	NOT FOUND									
27	NOT FOUND									
28	NOT FOUND									
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	NOT FOUND									
33	NOT FOUND									
34	NOT FOUND									
35	NOT FOUND									
36	NOT FOUND									
37	NOT FOUND									
38	NOT FOUND									
39	NOT FOUND									
40	NOT FOUND									
41	NOT FOUND									
42	NOT FOUND									
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44	NOT FOUND									
45	NOT FOUND									
46	NOT FOUND									
47	NOT FOUND									
48	NOT FOUND									
49	NOT FOUND									
50	NOT FOUND									

001869

Quantitation Report File: 12159309

Data: 12159309.T1

12/15/93 20:47:00

Sample: MB*1118*1 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001870

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	48 649 %Tot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28.42	5	1.011	A BB	4048.	1.792 UG/ML	0.32
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001871

PROCEDURE: TCA
DATA FILE: 12159310
REFERENCE: TABSV
NAME LIST: SV
REPORT: MI

DIAGNOSTIC REPORT

48 650
12/16/93 10:21:07

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	152	12	12	1	135	MI/MS	
6	6	1	152	16	9	1	139	MI/M1	
6	6	1	152	16	7	1	142	MI/M2	
6	6	1	152	16	7	1	165	MI/M3	
6	6	1	152	16	9	1	192	MI/M4	
6	6	1	152	16	7	1	155	MI/M5	
6	6	1	152	25	8	1	154	MI/M6	

81 COMPOUNDS PROCESSED, 23 FOUND

< COMPOUND ><			>< SEARCH ><					>< SAT ><		>< CHRO ><			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1814	1813	-1	1	997		152	1813		1
2	S1	2	-2363	2355	2354	-1	1	990		136	2354		1
3	S1	3	-3139	3130	3131	1	1	995		164	3131		1
4	S1	4	-3801	3791	3793	2	1	982		188	3792	-1	1
5	S1	5	-4991	4979	4980	1	1	993		240	4980		1
6	S1	6	-5619	5607	5605	-2	1	968		264	5605		1
7	S1	7	-1287	1280	1278	-2	1	995		112	1278		1
8	S1	8	-1692	1684	1685	1	1	997		99	1685		1
9	S1	9	-2058	2050	2049	-1	1	996		82	2049		1
10	S1	10	-2853	2844	2845	1	1	997		172	2845		1
11	S1	11	-3492	3482	3482		1	980		330	3482		1
12	S1	12	-4534	4523	4525	2	1	999		244	4525		1
13	S1	13	-1698	1691	1692	1	1	1000		94	1692		1
14	S1	14	-1729	1722						93	1724		1
15	S1	15	-1731	1724	1724		1	1000		128	1724		1
16	S1	16	-1794	1787						146			
17	S1	17	-1828	1821	1819	-2	1	997		146	1819		1
18	S1	18	-1887	1880						146			
19	S1	19	-1892	1885						108			
20	S1	20	-1947	1940						108			
21	S1	21	-2016	2008						108			
22	S1	22	-1957	1949						45			
23	S1	23	-2012	2004						70			
24	S1	24	-2029	2021						117			
25	S1	25	-2067	2059						77			
26	S1	26	-2177	2169						82			
27	S1	27	-2203	2195						139			
28	S1	28	-2242	2234						107			
29	S1	29	-2307	2299						122			
30	S1	30	-2285	2277						93			
31	S1	31	-2343	2335	2334	-1	1	978		180	2334		1
32	S1	32	-2309	2301						162			
33	S1	33	-2372	2365						128			
34	S1	34	-2407	2399						127			
35	S1	35	-2437	2429						225			
36	S1	36	-2632	2624	2626	2	1	995		107	2626		1
37	S1	37	-2681	2673						142			
38	S1	38	-2753	2745						237			
39	S1	39	-2811	2803						196			
40	S1	40	-2822	2814						196			
41	S1	41	-2894	2886						162			
42	S1	42	-2948	2940						65			
43	S1	43	-3047	3039						163			

001872

44	S1	44	-3075	3066					152	3065	48	651	1
45	S1	45	-3065	3056					165				
46	S1	46	-2948	2940					138				
47	S1	47	-3155	3146	3145	-1	1	995	153	3145			1
48	S1	48	-3179	3170					184				
49	S1	49	-3219	3210	3214	4	1	988	109	3214			1
50	S1	50	-3233	3224					168				
51	S1	51	-3241	3232	3232		1	993	165	3232			1
52	S1	52	-3366	3357					149				
53	S1	53	-3399	3390					204				
54	S1	54	-3386	3377					166				
55	S1	55	-3404	3395					138				
56	S1	56	-3454	3445					169				
57	S1	57	-3419	3410					198				
58	S1	58	-3615	3606					248				
59	S1	59	-3627	3618					283				
60	S1	60	-3720	3710	3712	2	1	937	266	3712			1
61	S1	61	-3812	3802					178				
62	S1	62	-3834	3824					178				
63	S1	63	-4102	4092					149				
64	S1	64	-4344	4334					202				
65	S1	65	-4443	4433	4433		1	994	202	4433			1
66	S1	66	-4772	4761					149				
67	S1	67	-4988	4977					252				
68	S1	68	-4987	4976					228				
69	S1	69	-5044	5033	5035	2	1	801	149	5034	-1		1
70	S1	70	-5002	4991					228				
71	S1	71	-5326	5315					149				
72	S1	72	-5445	5434					252				
73	S1	73	-5457	5446					252				
74	S1	74	-5591	5580					252				
75	S1	75	-6235	6223					276				
76	S1	76	-6260	6248					278				
77	S1	77	-6418	6406					276				
78	S1	178	-2639	2631					105				
79	S1	78	-643	637					42				
80	S1	107	-3753	3744					184				
81	S1	97	-3469	3460					77				

001873

Quantitation Report File: 12159310

Data: 12159310.T1

12/15/93 21:45:00

Sample: SP1*1118*1 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1917-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1520-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYL ISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-99-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLORDANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHthalate
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

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No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	ZTot
1	152	1813	10:20	1	1.000	A BB	181048.	40.000 NG/UL	3.42
2	136	2354	13:25	2	1.000	A BB	541808.	40.000 NG/UL	3.42
3	164	3131	17:51	3	1.000	A BB	264836.	40.000 NG/UL	3.42
4	188	3792	21:37	4	1.000	A BB	321640.	40.000 NG/UL	3.42
5	240	4980	28:23	5	1.000	A BB	149496.	40.000 NG/UL	3.42
6	264	5605	31:57	6	1.000	A BB	127148.	40.000 UG/ML	3.42
7	112	1278	7:17	1	0.705	A BB	350540.	63.526 UG/ML	5.44
8	99	1685	9:36	1	0.929	A BB	484116.	64.531 UG/ML	5.52
9	82	2049	11:41	2	0.870	A BB	219188.	36.317 UG/ML	3.11
10	172	2843	16:13	3	0.909	A BB	291424.	32.713 UG/ML	2.80
11	330	3482	19:51	4	0.918	A BB	90524.	78.111 UG/ML	6.69
12	244	4325	25:48	5	0.909	A BB	183836.	41.078 UG/ML	3.52
13	94	1692	9:39	1	0.933	A BB	617056.	79.002 UG/ML	6.76
14	93	1724	9:50	1	0.951	A BB	7728.	~~1.122~~ UG/ML	0.10
15	128	1724	9:50	1	0.951	A BB	456688.	76.115 UG/ML	6.52
16	NOT FOUND								
17	146	1819	10:22	1	1.003	A BB	199364.	30.858 UG/ML	2.64
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	145744.	33.536 UG/ML	2.87
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	351864.	84.714 UG/ML	7.25
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	152	3065	17:28	3	0.979	A BB	2104.	~~0.189~~ UG/ML	0.02
45	NOT FOUND								
46	NOT FOUND								
47	153	3145	17:56	3	1.004	A BB	238788.	37.288 UG/ML	3.19
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	61940.	81.986 UG/ML	7.02
50	NOT FOUND								

Quantitation Report File: 12159310

Data: 12159310.T1

12/19/93 21:45:00

Sample: SP1*1118*1 SUR*50*100 1AR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 36-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	165	3232	18:25	3	1.032	A BB	75014.	36.287 UG/ML	3.11
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3712	21:10	4	0.979	A BB	128984.	99.145 UG/ML	8.49
61	NOT FOUND								
62	NOT FOUND								

001876

48 655

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
63	NOT	FOUND							
64	NOT	FOUND							
65	202	4433	25:16	5	0.890	A BB	269264.	49.437 UG/ML	4.23
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	9034	28:42	5	1.011	A BB	5876.	2.289 UG/ML	0.20
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001877

PROCEDURE: TCA

DIAGNOSTIC REPORT

12/16/93 10:31:15

DATA FILE: 12159311

REFERENCE: TABSV

NAME LIST: SV INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

REPORT: MI

< ---- STANDARDS ---- >				< --- PLUS UNKNOWN --- >				< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	136	12	12	1	115	MI/MS	
6	6	1	136	16	7	1	174	MI/M1	
6	6	1	136	16	6	1	136	MI/M2	
6	6	1	136	16	6	1	136	MI/M3	
6	6	1	136	16	6	1	136	MI/M4	
6	6	1	136	16	6	1	136	MI/M5	
6	6	1	136	25	8	1	144	MI/M6	

61 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >				SEARCH				< SAT >		< CHRO >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1813	1812	-1	1	997		152	1812		1
2	S1	2	-2363	2355	2354	-1	1	991		136	2354		1
3	S1	3	-3139	3129	3131	2	1	995		164	3130	-1	1
4	S1	4	-3801	3791	3792	1	1	985		188	3792		1
5	S1	5	-4991	4979	4979		1	993		240	4979		1
6	S1	6	-5619	5606	5605	-1	1	963		264	5605		1
7	S1	7	-1287	1279	1278	-1	1	997		112	1278		1
8	S1	8	-1692	1684	1684		1	998		99	1684		1
9	S1	9	-2058	2049	2048	-1	1	996		82	2048		1
10	S1	10	-2853	2844	2844		1	1000		172	2845	1	1
11	S1	11	-3492	3482	3482		1	988		330	3482		1
12	S1	12	-4534	4523	4524	1	1	998		244	4524		1
13	S1	13	-1698	1689	1687	-2	1	995		94	1687		1
14	S1	14	-1729	1720						93			
15	S1	15	-1731	1722						128			
16	S1	16	-1794	1785						146			
17	S1	17	-1828	1819						146			
18	S1	18	-1887	1878						146			
19	S1	19	-1892	1883						108			
20	S1	20	-1947	1938						108			
21	S1	21	-2016	2007						108			
22	S1	22	-1957	1948						45			
23	S1	23	-2012	2004						70			
24	S1	24	-2029	2021						117			
25	S1	25	-2067	2059						77			
26	S1	26	-2177	2169						82			
27	S1	27	-2203	2195						139			
28	S1	28	-2242	2234						107			
29	S1	29	-2307	2299						122			
30	S1	30	-2285	2277						93			
31	S1	31	-2343	2335						180			
32	S1	32	-2309	2301						162			
33	S1	33	-2372	2363						128			
34	S1	34	-2407	2398						127			
35	S1	35	-2437	2428						225			
36	S1	36	-2632	2623						107			
37	S1	37	-2681	2672						142			
38	S1	38	-2753	2744						237			
39	S1	39	-2811	2802						196			
40	S1	40	-2822	2813						196			
41	S1	41	-2894	2885						162			
42	S1	42	-2948	2939						65			
43	S1	43	-3047	3038						163			

001878

44	S1	44	-3075	3066						152			
45	S1	45	-3065	3056						165			
46	S1	46	-2948	2939						138			
47	S1	47	-3155	3145						153			
48	S1	48	-3179	3169						184			
49	S1	49	-3219	3209						109			
50	S1	50	-3233	3223						168			
51	S1	51	-3241	3231						165			
52	S1	52	-3366	3356						149			
53	S1	53	-3399	3389						204			
54	S1	54	-3386	3376						166			
55	S1	55	-3404	3394						138			
56	S1	56	-3454	3444						169			
57	S1	57	-3419	3409						198			
58	S1	58	-3615	3605						248			
59	S1	59	-3627	3617						283			
60	S1	60	-3720	3710						266			
61	S1	61	-3812	3802						178			
62	S1	62	-3834	3824						178			
63	S1	63	-4102	4092	4093	1	1	997		149	4093		1
64	S1	64	-4344	4333						202			
65	S1	65	-4443	4432						202			
66	S1	66	-4772	4761						149			
67	S1	67	-4988	4977						252			
68	S1	68	-4987	4976						228			
69	S1	69	-5044	5033	5034	1	1	872		149	5033	-1	1
70	S1	70	-5002	4991						228			
71	S1	71	-5326	5314						149			
72	S1	72	-5445	5433						252			
73	S1	73	-5457	5445						252			
74	S1	74	-5591	5579						252			
75	S1	75	-6235	6222						276			
76	S1	76	-6260	6247						278			
77	S1	77	-6418	6405						276			
78	S1	178	-2639	2630						105			
79	S1	78	-643	637						42			
80	S1	107	-3753	3743						184			
81	S1	97	-3469	3459						77			

Quantitation Report File: 12159311

Data: 12159311.T1

12/15/93 22:43:00

Sample: CDDMTW*9 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-5 CHRYSENE-D10 **IS5**
6	CI75 1920-96-3 PERYLENE-D12 **IS6**
7	CS50 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SUS**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYL ISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001880

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	XTot
1	152	1812	10:20	1	1.000	A BB	181604.	40.000 NG/UL	7.16
2	136	2354	13:25	2	1.000	A BB	563596.	40.000 NG/UL	7.16
3	164	3130	17:50	3	1.000	A BB	294132.	40.000 NG/UL	7.16
4	188	3792	21:37	4	1.000	A BB	376704.	40.000 NG/UL	7.16
5	240	4979	28:23	5	1.000	A BB	198848.	40.000 NG/UL	7.16
6	264	5605	31:57	6	1.000	A BB	133800.	40.000 UG/ML	7.16
7	112	1278	7:17	1	0.705	A BB	381039.	68.842 UG/ML	12.32
8	99	1684	9:36	1	0.929	A BB	535500.	71.162 UG/ML	12.73
9	82	2048	11:40	2	0.870	A BB	233052.	37.121 UG/ML	6.64
10	172	2845	16:13	3	0.909	A BB	320144.	33.497 UG/ML	5.99
11	330	3482	19:51	4	0.918	A BB	96416.	71.034 UG/ML	12.71
12	244	4524	25:47	5	0.909	A BB	153260.	32.229 UG/ML	5.77
13	94	1687	9:37	1	0.931	A BB	10864.	1.387 UG/ML	0.25
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12159311

Data: 12159311.TI

12/15/93 22:43:00

Sample: CDDMTW*9 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITRODULUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUDRANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUDRANTHENE
73	C770 207-08-9 BENZO(K)FLUOROANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							

001882

48 661

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
63	149	4093	23:20	4	1.079	A BB	976.	~~0.085~~ UG/ML	0.02
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5033	28:41	5	1.011	A BB	9728.	3.560 UG/ML	0.64
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

001883

PROCEDURE: TCA
 DATA FILE: 12159312
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 10:41:59

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< --- STANDARDS --- >				>C --- PLUS UNKNOWN --- >				>C - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	2	142	12	12	1	118	MI/MS	
6	6	1	142	16	7	1	153	MI/M1	
6	6	1	142	16	6	1	142	MI/M2	
6	6	1	142	16	6	1	142	MI/M3	
6	6	1	142	16	6	1	142	MI/M4	
6	6	1	142	16	6	1	142	MI/M5	
6	6	1	142	25	8	1	140	MI/M6	

81 COMPOUNDS PROCESSED, 15 FOUND

< COMPOUND >			>C SEARCH >					>C SAT >		>C CHRO >			
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	F11	PEAKS	M/Z	TOP	DELTA	PEAKS	
1	S1	1	-1821	1813	1812	-1	1	1000	152	1812	.	1	
2	S1	2	-2363	2355	2354	-1	2	991	136	2354	.	1	
3	S1	3	-3139	3130	3131	1	1	995	164	3131	.	1	
4	S1	4	-3801	3791	3792	1	1	986	188	3792	.	1	
5	S1	5	-4991	4979	4980	1	1	992	240	4980	.	1	
6	S1	6	-5619	5607	5605	-2	1	973	264	5605	.	1	
7	S1	7	-1287	1280	1280	.	1	996	112	1280	.	1	
8	S1	8	-1692	1684	1685	1	1	995	99	1685	.	1	
9	S1	9	-2058	2050	2049	-1	1	998	82	2049	.	1	
10	S1	10	-2853	2844	2845	1	1	999	172	2845	.	1	
11	S1	11	-3492	3483	3483	.	1	972	330	3483	.	1	
12	S1	12	-4934	4923	4925	2	1	993	244	4925	.	1	
13	S1	13	-1698	1690	1688	-2	1	998	94	1688	.	1	
14	S1	14	-1729	1721	.	.	.	.	93	.	.	.	
15	S1	15	-1731	1723	.	.	.	.	128	.	.	.	
16	S1	16	-1794	1785	.	.	.	.	146	.	.	.	
17	S1	17	-1828	1819	.	.	.	.	146	.	.	.	
18	S1	18	-1887	1878	.	.	.	.	146	.	.	.	
19	S1	19	-1892	1883	.	.	.	.	108	.	.	.	
20	S1	20	-1947	1938	.	.	.	.	108	.	.	.	
21	S1	21	-2016	2007	.	.	.	.	108	.	.	.	
22	S1	22	-1957	1948	.	.	.	.	45	.	.	.	
23	S1	23	-2012	2004	.	.	.	.	70	.	.	.	
24	S1	24	-2029	2021	.	.	.	.	117	.	.	.	
25	S1	25	-2067	2059	.	.	.	.	77	.	.	.	
26	S1	26	-2177	2169	.	.	.	.	82	.	.	.	
27	S1	27	-2203	2195	.	.	.	.	139	.	.	.	
28	S1	28	-2242	2234	.	.	.	.	107	.	.	.	
29	S1	29	-2307	2299	.	.	.	.	122	.	.	.	
30	S1	30	-2289	2277	.	.	.	.	93	.	.	.	
31	S1	31	-2343	2335	.	.	.	.	180	.	.	.	
32	S1	32	-2309	2301	.	.	.	.	162	.	.	.	
33	S1	33	-2372	2364	.	.	.	.	128	.	.	.	
34	S1	34	-2407	2398	.	.	.	.	127	.	.	.	
35	S1	35	-2437	2428	.	.	.	.	225	.	.	.	
36	S1	36	-2632	2623	.	.	.	.	107	.	.	.	
37	S1	37	-2681	2672	.	.	.	.	142	.	.	.	
38	S1	38	-2753	2744	.	.	.	.	237	.	.	.	
39	S1	39	-2811	2802	.	.	.	.	196	.	.	.	
40	S1	40	-2822	2813	.	.	.	.	196	.	.	.	
41	S1	41	-2894	2885	.	.	.	.	162	.	.	.	
42	S1	42	-2948	2939	.	.	.	.	65	.	.	.	
43	S1	43	-3047	3038	.	.	.	.	163	.	.	.	

001884

44	S1	44	-3075	3066	.	.	.	.	.	152	.	.
45	S1	45	-3065	3056	.	.	.	.	.	165	.	.
46	S1	46	-2948	2939	.	.	.	.	.	138	.	.
47	S1	47	-3155	3146	.	.	.	.	.	193	.	.
48	S1	48	-3179	3170	.	.	.	.	.	184	.	.
49	S1	49	-3219	3209	.	.	.	.	.	109	.	.
50	S1	50	-3233	3223	.	.	.	.	.	168	.	.
51	S1	51	-3241	3231	.	.	.	.	.	165	.	.
52	S1	52	-3366	3356	.	.	.	.	.	149	.	.
53	S1	53	-3399	3389	.	.	.	.	.	204	.	.
54	S1	54	-3386	3376	.	.	.	.	.	166	.	.
55	S1	55	-3404	3394	.	.	.	.	.	138	.	.
56	S1	56	-3454	3444	.	.	.	.	.	169	.	.
57	S1	57	-3419	3409	.	.	.	.	.	198	.	.
58	S1	58	-3615	3605	.	.	.	.	.	248	.	.
59	S1	59	-3627	3617	.	.	.	.	.	283	.	.
60	S1	60	-3720	3710	.	.	.	.	.	266	.	.
61	S1	61	-3812	3802	.	.	.	.	.	178	.	.
62	S1	62	-3834	3824	.	.	.	.	.	178	.	.
63	S1	63	-4102	4092	4093	1	1	998	.	149	4093	1
64	S1	64	-4344	4334	.	.	.	.	.	202	.	.
65	S1	65	-4443	4433	.	.	.	.	.	202	.	.
66	S1	66	-4772	4761	.	.	.	.	.	149	.	.
67	S1	67	-4988	4977	.	.	.	.	.	252	.	.
68	S1	68	-4987	4976	.	.	.	.	.	228	.	.
69	S1	69	-5044	5033	5034	1	1	956	.	149	5034	1
70	S1	70	-5002	4991	.	.	.	.	.	228	.	.
71	S1	71	-5326	5315	.	.	.	.	.	149	.	.
72	S1	72	-5445	5434	.	.	.	.	.	252	.	.
73	S1	73	-5457	5445	.	.	.	.	.	252	.	.
74	S1	74	-5591	5579	.	.	.	.	.	252	.	.
75	S1	75	-6235	6223	.	.	.	.	.	276	.	.
76	S1	76	-6260	6248	.	.	.	.	.	278	.	.
77	S1	77	-6418	6406	.	.	.	.	.	276	.	.
78	S1	178	-2639	2630	.	.	.	.	.	105	.	.
79	S1	78	-643	636	.	.	.	.	.	42	.	.
80	S1	107	-3753	3743	.	.	.	.	.	184	.	.
81	S1	97	-3469	3460	.	.	.	.	.	77	.	.

Quantitation Report File: 12159312

Data: 12159312.T1

12/15/93 23:40:00

Sample: CDDMTW*10 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	C130 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	C140 1146-65-2 NAPHTHALENE-D8 **IS2**
3	C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	C160 1517-22-2 PHENANTHRENE-D10 **IS4**
5	C170 1719-03-5 CHRYSENE-D10 **IS5**
6	C175 1520-96-3 PERYLENE-D12 **IS6**
7	C850 367-12-4 2-FLUOROPHENOL **SU1**
8	C845 4165-62-2 PHENOL-D5 **SU2**
9	C520 9165-60-0 NITROBENZENE-D5 **SU3**
10	C525 321-60-8 2-FLUOROBIPHENYL **SU4**
11	C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	C530 1718-51-0 TERPHENYL-D14 **SU6**
13	C315 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 541-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 59-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

001886

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1812	10:20	1	1.000	A BB	202768.	40.000 NG/UL	6.77
2	136	2354	13:25	2	1.000	A BB	615800.	40.000 NG/UL	6.77
3	164	3131	17:51	3	1.000	A BB	322008.	40.000 NG/UL	6.77
4	188	3792	21:37	4	1.000	A BB	434064.	40.000 NG/UL	6.77
5	240	4980	28:23	5	1.000	A BB	215900. <i>spike</i>	40.000 NG/UL	6.77
6	264	5605	31:57	6	1.000	A BB	183268.	40.000 UG/ML	6.77
7	112	1280	7:18	1	0.706	A BB	472639.	76.478 UG/ML	12.95
8	99	1685	9:36	1	0.930	A BB	633456.	75.393 UG/ML	12.77
9	82	2049	11:41	2	0.870	A BB	279356.	40.725 UG/ML	6.90
10	172	2845	16:13	3	0.909	A BB	385272.	35.570 UG/ML	6.02
11	330	3483	19:51	4	0.919	A BB	117216.	74.946 UG/ML	12.69
12	244	4525	25:48	5	0.909	A BB	243432.	37.664 UG/ML	6.38
13	94	1688	9:37	1	0.932	A BB	37676.	4.307 UG/ML	0.73
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Date: 12159312.T1

12/15/93 23:40:00

Sample: CDDMTW*10 SUR*50*100

Cands.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 89-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 96-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	Zlot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001888

48 667

No	n/z	Scan	Time	Ref	RRT	Meth	Area (Hght)	Amount	Xlet
63	149	4093	23:20	4	1.079	A BB	5004.	~~8.377~~ UG/ML	0.06
64		NOT FOUND							
65		NOT FOUND							
66		NOT FOUND							
67		NOT FOUND							
68		NOT FOUND							
69	149	5034	28:42	5	1.011	A BB	19196.	5.168 UG/ML	0.88
70		NOT FOUND							
71		NOT FOUND							
72		NOT FOUND							
73		NOT FOUND							
74		NOT FOUND							
75		NOT FOUND							
76		NOT FOUND							
77		NOT FOUND							
78		NOT FOUND							
79		NOT FOUND							
80		NOT FOUND							
81		NOT FOUND							

001889

PROCEDURE: TCA
 DATA FILE: 12159313
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 10:53:03

< ---- STANDARDS ---- >				< --- PLUS UNKNOWN --- >				< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	136	12	12	1	115	MI/MS	
6	6	1	136	16	7	1	201	MI/M1	
6	6	1	136	16	6	1	136	MI/M2	
6	6	1	136	16	6	1	136	MI/M3	
6	6	1	136	16	6	1	136	MI/M4	
6	6	1	136	16	6	1	136	MI/M5	
6	6	1	136	25	6	1	136	MI/M6	

B1 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND >				< SEARCH >				< SAT >		< CHRD >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1813	1812	-1	1	998		152	1812		1
2	S1	2	-2363	2355	2354	-1	1	988		136	2354		1
3	S1	3	-3139	3129	3131	2	1	994		164	3130	-1	1
4	S1	4	-3801	3791	3792	1	1	985		188	3791	-1	1
5	S1	5	-4991	4979	4979		1	990		240	4979		1
6	S1	6	-5619	5606	5605	-1	1	962		264	5605		1
7	S1	7	-1287	1279	1278	-1	1	996		112	1278		1
8	S1	8	-1692	1683	1683		1	997		99	1683		1
9	S1	9	-2058	2049	2048	-1	1	999		82	2048		1
10	S1	10	-2853	2843	2844	1	1	995		172	2844		1
11	S1	11	-3492	3482	3482		1	981		330	3482		1
12	S1	12	-4534	4523	4524	1	1	1000		244	4524		1
13	S1	13	-1698	1689	1686	-3	1	985		94	1686		1
14	S1	14	-1729	1720						93			
15	S1	15	-1731	1722						128			
16	S1	16	-1794	1785						146			
17	S1	17	-1828	1819						146			
18	S1	18	-1887	1878						146			
19	S1	19	-1892	1883						108			
20	S1	20	-1947	1938						108			
21	S1	21	-2016	2007						108			
22	S1	22	-1957	1948						45			
23	S1	23	-2012	2004						70			
24	S1	24	-2029	2021						117			
25	S1	25	-2067	2059						77			
26	S1	26	-2177	2169						82			
27	S1	27	-2203	2195						139			
28	S1	28	-2242	2234						107			
29	S1	29	-2307	2299						122			
30	S1	30	-2285	2277						93			
31	S1	31	-2343	2335						180			
32	S1	32	-2309	2301						162			
33	S1	33	-2372	2363						128			
34	S1	34	-2407	2398						127			
35	S1	35	-2437	2428						225			
36	S1	36	-2632	2623						107			
37	S1	37	-2681	2672						142			
38	S1	38	-2753	2744						237			
39	S1	39	-2811	2802						196			
40	S1	40	-2822	2813						196			
41	S1	41	-2894	2885						162			
42	S1	42	-2948	2939						65			
43	S1	43	-3047	3038						163			

001890

44	S1	44	-3075	3066	152	48	669
45	S1	45	-3065	3056	165		
46	S1	46	-2948	2939	138		
47	S1	47	-3155	3145	153		
48	S1	48	-3179	3169	184		
49	S1	49	-3219	3209	109		
50	S1	50	-3233	3223	168		
51	S1	51	-3241	3231	165		
52	S1	52	-3366	3356	149		
53	S1	53	-3399	3389	204		
54	S1	54	-3386	3376	166		
55	S1	55	-3404	3394	138		
56	S1	56	-3454	3444	169		
57	S1	57	-3419	3409	198		
58	S1	58	-3615	3605	248		
59	S1	59	-3627	3617	283		
60	S1	60	-3720	3710	266		
61	S1	61	-3812	3802	178		
62	S1	62	-3834	3824	178		
63	S1	63	-4102	4091	149		
64	S1	64	-4344	4333	202		
65	S1	65	-4443	4432	202		
66	S1	66	-4772	4760	149		
67	S1	67	-4988	4976	252		
68	S1	68	-4987	4975	228		
69	S1	69	-5044	5032	149		
70	S1	70	-5002	4990	228		
71	S1	71	-5326	5314	149		
72	S1	72	-5445	5432	252		
73	S1	73	-5457	5444	252		
74	S1	74	-5591	5578	252		
75	S1	75	-6235	6221	276		
76	S1	76	-6260	6246	278		
77	S1	77	-6418	6404	276		
78	S1	178	-2639	2630	105		
79	S1	78	-643	637	42		
80	S1	107	-3753	3743	184		
81	S1	97	-3469	3459	77		

Quantitation Report File: 12159313

Data: 12159313.TJ

12/16/93 0:37:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
1	CI30 3853-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
2	CI40 1146-69-2 NAPHTHALENE-D8 ** IS2 **
3	CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
4	CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
5	CI70 1719-03-9 CHRYSENE-D10 **IS5**
6	CI75 1920-96-3 PERYLENE-D12 **IS6**
7	CS30 367-12-4 2-FLUOROPHENOL **SU1**
8	CS45 4165-62-2 PHENOL-D5 **SU2**
9	CS20 4165-60-0 NITROBENZENE-D5 **SU3**
10	CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
11	CS55 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
12	CS30 1718-51-0 TERPHENYL-D14 **SU6**
13	C313 108-95-2 PHENOL
14	C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
15	C330 95-57-8 2-CHLOROPHENOL
16	C335 941-73-1 1,3-DICHLOROBENZENE
17	C340 106-46-7 1,4-DICHLOROBENZENE
18	C350 95-50-1 1,2-DICHLOROBENZENE
19	C345 100-51-6 BENZYL ALCOHOL
20	C355 95-48-7 2-METHYLPHENOL
21	C365 106-44-5 4-METHYLPHENOL
22	C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
23	C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
24	C375 67-72-1 HEXACHLOROETHANE
25	C410 98-95-3 NITROBENZENE
26	C415 78-59-1 ISOPHORONE
27	C420 88-75-5 2-NITROPHENOL
28	C425 105-67-9 2,4-DIMETHYLPHENOL
29	C430 65-85-0 BENZOIC ACID
30	C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
31	C445 120-82-1 1,2,4-TRICHLOROBENZENE
32	C440 120-83-2 2,4-DICHLOROPHENOL
33	C450 91-20-3 NAPHTHALENE
34	C455 106-47-8 4-CHLOROANILINE
35	C460 87-68-3 HEXACHLOROBUTADIENE
36	C465 99-50-7 4-CHLOR-3-METHYLPHENOL
37	C470 91-57-6 2-METHYLNAPHTHALENE
38	C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
39	C515 88-06-2 2,4,6-TRICHLOROPHENOL
40	C520 95-95-4 2,4,5-TRICHLOROPHENOL
41	C525 91-58-7 2-CHLORONAPHTHALENE
42	C530 88-74-4 2-NITROANILINE
43	C535 131-11-3 DIMETHYLPHTHALATE
44	C540 208-96-8 ACENAPHTHYLENE
45	C543 606-20-2 2,6-DINITROTOLUENE
46	C545 99-09-2 3-NITROANILINE
47	C550 83-32-9 ACENAPHTHENE

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No Name
 48 C555 51-28-9 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	Xlot
1	152	1812	10:20	1	1.000	A BB	141944.	40.000 NG/UL	7.28
2	136	2354	13:25	2	1.000	A BB	415672.	40.000 NG/UL	7.28
3	164	3130	17:50	3	1.000	A BB	202652.	40.000 NG/UL	7.28
4	188	3791	21:37	4	1.000	A BB	247464.	40.000 NG/UL	7.28
5	240	4979	28:23	5	1.000	A BB	109440.	40.000 NG/UL	7.28
6	264	5605	31:57	6	1.000	A BB	94420.	40.000 UG/ML	7.28
7	112	1278	7:17	1	0.705	A BB	282571.	65.316 UG/ML	11.89
8	99	1683	9:36	1	0.929	A BB	369720.	62.859 UG/ML	11.44
9	82	2048	11:40	2	0.870	A BB	177044.	38.236 UG/ML	6.96
10	172	2844	16:13	3	0.909	A BB	226972.	33.297 UG/ML	6.06
11	330	3482	19:51	4	0.918	A BB	58388.	65.483 UG/ML	11.92
12	244	4524	25:47	5	0.909	A BB	142708.	43.559 UG/ML	7.93
13	94	1686	9:37	1	0.930	A BB	4540.	0.741 UG/ML	0.13
14	NOT	FOUND							
15	NOT	FOUND							
16	NOT	FOUND							
17	NOT	FOUND							
18	NOT	FOUND							
19	NOT	FOUND							
20	NOT	FOUND							
21	NOT	FOUND							
22	NOT	FOUND							
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	NOT	FOUND							
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30	NOT	FOUND							
31	NOT	FOUND							
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35	NOT	FOUND							
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37	NOT	FOUND							
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39	NOT	FOUND							
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41	NOT	FOUND							
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43	NOT	FOUND							
44	NOT	FOUND							
45	NOT	FOUND							
46	NOT	FOUND							
47	NOT	FOUND							
48	NOT	FOUND							
49	NOT	FOUND							
50	NOT	FOUND							

Quantitation Report File: 12159313

Data: 12159313.T1

12/16/93 0:37:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLORO BENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001894

No	m/z	Scan	Time	Ref	RR1	Math	Area(Hght)	Amount	Plot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

PROCEDURE: TCA
 DATA FILE: 12159317
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 11:23:49

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< ---- STANDARDS ---- >				< ---- PLUS UNKNOWNNS ---- >				< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	160	12	12	1	134	MI/MS	
6	6	1	160	12	7	1	220	MI/M1	
6	6	1	160	16	6	1	160	MI/M2	
6	6	1	160	16	6	1	160	MI/M3	
6	6	1	160	16	6	1	160	MI/M4	
6	6	1	160	16	6	1	160	MI/M5	
6	6	1	160	25	8	1	169	MI/M6	

81 COMPOUNDS PROCESSED. 13 FOUND

< COMPOUND >		< SEARCH - >					< SAT >		< CHRO - >			
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/2	TOP	DELTA	PEAKS
1	S1	1	-1621	1813	1812	-1	1	997	152	1812		1
2	S1	2	-2363	2355	2354	-1	1	989	136	2353	-1	1
3	S1	3	-3139	3129	3131	2	1	996	164	3131		1
4	S1	4	-3801	3790	3792	2	1	986	188	3792		1
5	S1	5	-4991	4979	4979		1	995	240	4979		1
6	S1	6	-5619	5606	5604	-2	1	971	264	5604		1
7	S1	7	-1287	1279	1278	-1	1	999	112	1278		1
8	S1	8	-1692	1684	1683	-1	1	996	99	1683		1
9	S1	9	-2058	2049	2048	-1	1	993	82	2048		1
10	S1	10	-2853	2843	2844	1	1	997	172	2844		1
11	S1	11	-3492	3482	3482		1	992	330	3482		1
12	S1	12	-4534	4523	4524	1	1	994	244	4524		1
13	S1	13	-1698	1689	1686	-3	1	983	94	1686		1
14	S1	14	-1729	1720					93			
15	S1	15	-1731	1722					128			
16	S1	16	-1794	1785					146			
17	S1	17	-1828	1819					146			
18	S1	18	-1887	1878					146			
19	S1	19	-1892	1883					108			
20	S1	20	-1947	1938					108			
21	S1	21	-2016	2007					108			
22	S1	22	-1957	1948					45			
23	S1	23	-2012	2004					70			
24	S1	24	-2029	2021					117			
25	S1	25	-2067	2059					77			
26	S1	26	-2177	2169					82			
27	S1	27	-2203	2195					139			
28	S1	28	-2242	2234					107			
29	S1	29	-2307	2299					122			
30	S1	30	-2285	2277					93			
31	S1	31	-2343	2335					180			
32	S1	32	-2309	2301					162			
33	S1	33	-2372	2364					128			
34	S1	34	-2407	2399					127			
35	S1	35	-2437	2428					225			
36	S1	36	-2632	2623					107			
37	S1	37	-2681	2672					142			
38	S1	38	-2753	2744					237			
39	S1	39	-2811	2802					196			
40	S1	40	-2822	2813					196			
41	S1	41	-2894	2885					162			
42	S1	42	-2948	2939					65			
43	S1	43	-3047	3038					163			

001896

44	S1	44	-3075	3065						152		
45	S1	45	-3065	3056						165		
46	S1	46	-2948	2939						138		
47	S1	47	-3155	3145						153		
48	S1	48	-3179	3169						184		
49	S1	49	-3219	3209						109		
50	S1	50	-3233	3223						168		
51	S1	51	-3241	3231						165		
52	S1	52	-3366	3356						149		
53	S1	53	-3399	3389						204		
54	S1	54	-3386	3376						166		
55	S1	55	-3404	3394						138		
56	S1	56	-3454	3444						169		
57	S1	57	-3419	3409						198		
58	S1	58	-3615	3605						248		
59	S1	59	-3627	3617						283		
60	S1	60	-3720	3710						266		
61	S1	61	-3812	3801						178		
62	S1	62	-3834	3823						178		
63	S1	63	-4102	4092	4093	1	1	1000		149	4093	1
64	S1	64	-4344	4333						202		
65	S1	65	-4443	4432						202		
66	S1	66	-4772	4761						149		
67	S1	67	-4988	4976						252		
68	S1	68	-4987	4975						228		
69	S1	69	-5044	5032	5034	2	1	850		149	5034	1
70	S1	70	-5002	4990						228		
71	S1	71	-5326	5314						149	5312	1
72	S1	72	-5445	5433						252		
73	S1	73	-5457	5445						252		
74	S1	74	-5591	5579						252		
75	S1	75	-6235	6222						276		
76	S1	76	-6260	6247						278		
77	S1	77	-6418	6405						276		
78	S1	178	-2639	2630						105		
79	S1	78	-643	637						42		
80	S1	107	-3753	3743						184		
81	S1	97	-3469	3459						77		

Quantitation Report File: 12159317

Data: 12159317.TI

12/16/93 3:41:00

Sample: CDDMTW*11 SUR*50*100

Conds.:

Formula: FINDL4 FINSSH4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
 Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
 2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
 6 CI75 1520-96-3 PERYLENE-D12 **IS6**
 7 C850 367-12-4 2-FLUOROPHENOL **SU1**
 8 C845 4165-62-2 PHENOL-D5 **SU2**
 9 C820 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C825 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C855 118-79-6 2,4,6-TRIBROMOPHENOL *SUS**
 12 C830 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLOROBENZENE
 17 C340 106-46-7 1,4-DICHLOROBENZENE
 18 C350 95-50-1 1,2-DICHLOROBENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLOROBENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLOROBUTADIENE
 36 C465 59-50-7 4-CHLOR-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHthalate
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITRODOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001898

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
1	152	1812	10:20	1	1.000	A BB	194740.	40.000 NG/UL	B.20
2	136	2353	13:25	2	1.000	A BB	637560.	40.000 NG/UL	B.20
3	164	3131	17:51	3	1.000	A BB	319700.	40.000 NG/UL	B.20
4	188	3792	21:37	4	1.000	A BB	420068.	40.000 NG/UL	B.20
5	240	4979	28:23	5	1.000	A BB	191212.	40.000 NG/UL	B.20
6	264	5604	31:57	6	1.000	A BB	150640.	40.000 UG/ML	B.20
7	112	1278	7:17	1	0.705	A BB	288980.	52.506 UG/ML	10.77
8	99	1683	9:36	1	0.929	A BB	330104.	39.987 UG/ML	B.20
9	82	2048	11:40	2	0.670	A BB	250532.	34.451 UG/ML	7.06
10	172	2844	16:13	3	0.908	A BB	365880.	33.917 UG/ML	6.95
11	330	3482	19:51	4	0.918	A BB	97036.	64.511 UG/ML	13.23
12	244	4524	25:47	5	0.909	A BB	118280.	18.242 UG/ML	3.74
13	94	1686	9:37	1	0.930	A BB	5740.	0.641 UG/ML	0.13
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12159317

Data: 12159317.T1

12/16/93 3:41:00

Sample: CDDMTW*11 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C719 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 932-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
51	NOT FOUND								
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	NOT FOUND								
61	NOT FOUND								
62	NOT FOUND								

001900

No	m/z	Scan	Time	Ref	RRT	Math	Area(Hght)	Amount	XTot
63	149	4093	23:20	4	1.079	A BB	2244.	0.187 UG/ML	0.04
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	149	5034	28:42	5	1.011	A BB	9696.	2.826 UG/ML	0.58
70	NOT	FOUND							
71	149	5312	30:17	6	0.948	A VV	2176.	0.445 UG/ML	0.09
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

PROCEDURE: TCA
 DATA FILE: 12159318
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 11:32:58

< ---- STANDARDS ----- >< --- PLUS UNKNOWN --- >< - LIST NAMES - >
 PROC USED POSS RMS PROC USED POSS RMS STANDARD/UNKNOWN
 6 6 1 160 12 12 1 140 MI/MS
 6 6 1 160 16 9 1 161 MI/M1
 6 6 1 160 16 7 1 145 MI/M2
 6 6 1 160 16 7 1 183 MI/M3
 6 6 1 160 16 9 1 181 MI/M4
 6 6 1 160 16 7 1 156 MI/M5
 6 6 1 160 25 9 1 145 MI/M6

81 COMPOUNDS PROCESSED, 24 FOUND

< COMPOUND >< ----- SEARCH ----- >< SAT >< ----- CHRO ----- >
 NO LIB ENTRY REF PRED SEL DELTA PEAKS FIT PEAKS M/Z TOP DELTA PEAKS
 1 S1 1 -1821 1813 1812 -1 1 995 152 1812 1
 2 S1 2 -2363 2355 2354 -1 1 989 136 2354 1
 3 S1 3 -3139 3129 3131 2 1 997 164 3131 1
 4 S1 4 -3801 3790 3792 2 1 985 188 3792 1
 5 S1 5 -4991 4979 4979 1 993 240 4979 1
 6 S1 6 -5619 5606 5604 -2 1 959 264 5604 1
 7 S1 7 -1287 1280 1278 -2 1 996 112 1278 1
 8 S1 8 -1692 1684 1686 2 1 996 99 1686 1
 9 S1 9 -2058 2050 2049 -1 1 998 82 2049 1
 10 S1 10 -2853 2844 2844 1 999 172 2844 1
 11 S1 11 -3492 3482 3482 1 979 330 3482 1
 12 S1 12 -4534 4523 4524 1 998 244 4524 1
 13 S1 13 -1698 1691 1693 2 1 1000 94 1693 1
 14 S1 14 -1729 1722 1723 -1 1 1000 93 1723 1
 15 S1 15 -1731 1724 1723 -1 1 1000 128 1723 1
 16 S1 16 -1794 1787 1819 -1 1 997 146 1819 1
 17 S1 17 -1828 1820 1819 -1 1 997 146 1819 1
 18 S1 18 -1887 1879 1879 108
 19 S1 19 -1892 1884 1884 108
 20 S1 20 -1947 1939 1939 108
 21 S1 21 -2016 2008 2008 108
 22 S1 22 -1957 1949 1949 45
 23 S1 23 -2012 2004 2004 70
 24 S1 24 -2029 2021 2021 117
 25 S1 25 -2067 2059 2059 77
 26 S1 26 -2177 2169 2169 82
 27 S1 27 -2203 2195 2195 139
 28 S1 28 -2242 2234 2234 107
 29 S1 29 -2307 2299 2299 122
 30 S1 30 -2285 2277 2277 93
 31 S1 31 -2343 2334 2334 1 978 180 2334 1
 32 S1 32 -2309 2301 2301 162
 33 S1 33 -2372 2364 2364 128
 34 S1 34 -2407 2399 2399 127
 35 S1 35 -2437 2429 2429 225
 36 S1 36 -2632 2624 2626 2 1 994 107 2626 1
 37 S1 37 -2681 2673 2673 142
 38 S1 38 -2753 2745 2745 237
 39 S1 39 -2811 2802 2802 196
 40 S1 40 -2822 2813 2813 196
 41 S1 41 -2894 2885 2885 162
 42 S1 42 -2948 2939 2939 65
 43 S1 43 -3047 3038 3038 163

001902

44	S1	44	-3073	3066	.	.	.	.	152	3064	.	1
45	S1	45	-3065	3056	.	.	.	.	165	.	.	.
46	S1	46	-2948	2939	.	.	.	.	138	.	.	.
47	S1	47	-3155	3146	3145	-1	1	997	153	3145	.	1
48	S1	48	-3179	3170	.	.	.	.	184	.	.	.
49	S1	49	-3219	3210	3213	3	1	985	109	3214	1	1
50	S1	50	-3233	3224	.	.	.	.	168	.	.	.
51	S1	51	-3241	3232	3232	.	1	994	165	3231	-1	1
52	S1	52	-3366	3357	.	.	.	.	149	.	.	.
53	S1	53	-3399	3389	.	.	.	.	204	.	.	.
54	S1	54	-3386	3376	.	.	.	.	166	.	.	.
55	S1	55	-3404	3394	.	.	.	.	138	.	.	.
56	S1	56	-3454	3444	.	.	.	.	169	.	.	.
57	S1	57	-3419	3409	.	.	.	.	198	.	.	.
58	S1	58	-3615	3605	.	.	.	.	248	.	.	.
59	S1	59	-3627	3617	.	.	.	.	283	.	.	.
60	S1	60	-3720	3710	3711	1	1	942	266	3711	.	1
61	S1	61	-3812	3802	.	.	.	.	178	.	.	.
62	S1	62	-3834	3824	.	.	.	.	178	.	.	.
63	S1	63	-4102	4091	4093	2	1	1000	149	4093	.	1
64	S1	64	-4344	4333	.	.	.	.	202	.	.	.
65	S1	65	-4443	4432	4432	.	1	997	202	4432	.	1
66	S1	66	-4772	4761	.	.	.	.	149	.	.	.
67	S1	67	-4988	4976	.	.	.	.	252	.	.	.
68	S1	68	-4987	4975	.	.	.	.	228	.	.	.
69	S1	69	-5044	5032	5033	1	1	807	149	5033	.	1
70	S1	70	-5002	4990	.	.	.	.	228	.	.	.
71	S1	71	-5326	5314	.	.	.	.	149	.	.	.
72	S1	72	-5445	5433	.	.	.	.	252	.	.	.
73	S1	73	-5457	5445	.	.	.	.	252	.	.	.
74	S1	74	-5591	5578	.	.	.	.	252	.	.	.
75	S1	75	-6235	6222	.	.	.	.	276	.	.	.
76	S1	76	-6260	6247	.	.	.	.	278	.	.	.
77	S1	77	-6418	6404	.	.	.	.	276	.	.	.
78	S1	178	-2639	2630	.	.	.	.	105	.	.	.
79	S1	78	-643	637	.	.	.	.	42	.	.	.
80	S1	107	-3753	3743	.	.	.	.	184	.	.	.
81	S1	97	-3469	3459	.	.	.	.	77	.	.	.

Quantitation Report File: 12159318

Data: 12159318.T1

12/16/93 4:38:00

Sample: SPM1*CDDMTW=11 SUR=50*100 TAR=50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
 2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
 6 CI75 1520-96-3 PERYLENE-D12 **IS6**
 7 C850 367-12-4 2-FLUOROPHENOL **SU1**
 8 C845 4165-62-2 PHENOL-D5 **SU2**
 9 C820 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C825 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C855 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
 12 C830 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLOROBENZENE
 17 C340 106-46-7 1,4-DICHLOROBENZENE
 18 C350 95-50-1 1,2-DICHLOROBENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLOROBENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLOROBUTADIENE
 36 C465 59-50-7 4-CHLOR-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001904

No Name
 48 C355 31-28-5 2,4-DINITROPHENOL
 49 C360 100-02-7 4-NITROPHENOL
 50 C365 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1812	10:20	1	1.000	A BB	194224.	40.000 NG/UL	3.36
2	136	2354	13:25	2	1.000	A BB	609496.	40.000 NG/UL	3.36
3	164	3131	17:51	3	1.000	A BB	286384.	40.000 NG/UL	3.36
4	188	3792	21:37	4	1.000	A BB	363608.	40.000 NG/UL	3.36
5	240	4979	28:23	5	1.000	A BB	142972.	40.000 NG/UL	3.36
6	264	5604	31:57	6	1.000	A BB	127088.	40.000 UG/ML	3.36
7	112	1278	7:17	1	0.705	A BB	413931.	75.409 UG/ML	6.33
8	99	1686	9:37	1	0.930	A BB	577516.	70.142 UG/ML	5.89
9	82	2049	11:41	2	0.870	A BB	254880.	36.663 UG/ML	3.08
10	172	2844	16:13	3	0.908	A BB	345180.	35.721 UG/ML	3.00
11	330	3482	19:51	4	0.918	A BB	101244.	77.125 UG/ML	6.47
12	244	4524	23:47	5	0.909	A BB	120228.	24.799 UG/ML	2.08
13	94	1693	9:39	1	0.934	A BB	723192.	81.024 UG/ML	6.80
14	93	1723	9:49	1	0.951	A BB	8852.	~~1.287~~ UG/ML	0.10
15	128	1723	9:49	1	0.951	A BB	521836.	84.132 UG/ML	7.06
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A BB	233528.	33.948 UG/ML	2.85
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	165404.	34.098 UG/ML	2.86
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	397776.	90.695 UG/ML	7.61
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	152	3064	17:28	3	0.979	A BB	3256.	~~0.278~~ UG/ML	0.02
45	NOT FOUND								
46	NOT FOUND								
47	153	3145	17:56	3	1.004	A BB	257548.	36.529 UG/ML	3.07
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	63408.	86.623 UG/ML	7.27
50	NOT FOUND								

Data: 12159318.TI

12/16/93 4:38:00

Sample: SPM1*CDDMTW*11 SUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITRODLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUDRENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-23-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	3231	18:25	3	1.032	A BB	88180.	43.422 UG/ML	3.64
52	NOT FOUND								
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3711	21:09	4	0.979	A BB	131132.	93.744 UG/ML	7.87
61	NOT FOUND								
62	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
63	149	4093	23:20	4	1.079	A BB	1472.	~~0.142~~ UG/ML	0.01
64	NOT FOUND								
65	202	4432	25:16	5	0.890	A BB	260544.	43.281 UG/ML	3.63
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5033	28:41	5	1.011	A BB	6868.	2.677 UG/ML	0.22
70	NOT FOUND								
71	NOT FOUND								
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

PROCEDURE: TCA
 DATA FILE: 12159319
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/16/93 11:44:25

INITIALIZATION OPTION: 2 PROCESSING OPTION: 3

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	160	12	12	1	134	MI/MS	
6	6	1	160	16	9	1	144	MI/M1	
6	6	1	160	16	7	1	145	MI/M2	
6	6	1	160	16	7	1	183	MI/M3	
6	6	1	160	16	10	1	241	MI/M4	
6	6	1	160	16	7	1	156	MI/M5	
6	6	1	160	25	9	1	137	MI/M6	

81 COMPOUNDS PROCESSED, 25 FOUND

< COMPOUND >		>< ----- SEARCH ----- ><						>< SAT ><		>< ----- CHRO ----- >			
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS	
1	S1	1	-1821	1813	1812	-1	1	997	152	1812		1	
2	S1	2	-2363	2355	2354	-1	1	991	136	2354		1	
3	S1	3	-3139	3129	3131	2	1	995	164	3130	-1	1	
4	S1	4	-3801	3790	3792	2	1	983	188	3791	-1	1	
5	S1	5	-4991	4979	4979		1	994	240	4979		1	
6	S1	6	-5619	5606	5604	-2	1	973	264	5604		1	
7	S1	7	-1287	1280	1278	-2	1	997	112	1279	1	1	
8	S1	8	-1692	1684	1686	2	1	999	99	1686		1	
9	S1	9	-2058	2050	2049	-1	1	998	82	2048	-1	1	
10	S1	10	-2853	2844	2844		1	996	172	2844		1	
11	S1	11	-3492	3482	3482		1	981	330	3482		1	
12	S1	12	-4534	4522	4523	1	1	996	244	4523		1	
13	S1	13	-1698	1690	1692	2	1	999	94	1692		1	
14	S1	14	-1729	1721					93	1723		1	
15	S1	15	-1731	1723	1723		1	1000	128	1723		1	
16	S1	16	-1794	1786					146				
17	S1	17	-1828	1820	1819	-1	1	998	146	1819		1	
18	S1	18	-1887	1879					146				
19	S1	19	-1892	1884					108				
20	S1	20	-1947	1939					108				
21	S1	21	-2016	2008					108				
22	S1	22	-1957	1949					45				
23	S1	23	-2012	2004					70				
24	S1	24	-2029	2021					117				
25	S1	25	-2067	2059					77				
26	S1	26	-2177	2169					82				
27	S1	27	-2203	2195					139				
28	S1	28	-2242	2234					107				
29	S1	29	-2307	2299					122				
30	S1	30	-2285	2277					93				
31	S1	31	-2343	2334	2334		1	979	180	2334		1	
32	S1	32	-2309	2301					162				
33	S1	33	-2372	2364					128				
34	S1	34	-2407	2399					127				
35	S1	35	-2437	2429					225				
36	S1	36	-2632	2624	2626	2	1	996	107	2626		1	
37	S1	37	-2681	2673					142				
38	S1	38	-2753	2745					237				
39	S1	39	-2811	2802					196				
40	S1	40	-2822	2813					196				
41	S1	41	-2894	2885					162				
42	S1	42	-2948	2939					65				
43	S1	43	-3047	3038					163				

001908

44	S1	44	-3075	3066	3064	-2	1	988	152	3064	1
45	S1	45	-3063	3056	.	.	.	.	165	.	.
46	S1	46	-2948	2939	.	.	.	.	138	.	.
47	S1	47	-3155	3146	3144	-2	1	996	153	3144	1
48	S1	48	-3179	3170	.	.	.	.	184	.	.
49	S1	49	-3219	3210	3215	5	1	985	109	3214	-1
50	S1	50	-3233	3224	.	.	.	.	168	.	1
51	S1	51	-3241	3232	3232	.	1	992	165	3232	1
52	S1	52	-3366	3356	.	.	.	.	149	3355	1
53	S1	53	-3399	3389	.	.	.	.	204	.	.
54	S1	54	-3386	3376	.	.	.	.	166	.	.
55	S1	55	-3404	3394	.	.	.	.	138	.	.
56	S1	56	-3454	3444	.	.	.	.	169	.	.
57	S1	57	-3419	3409	.	.	.	.	198	.	.
58	S1	58	-3615	3605	.	.	.	.	248	.	.
59	S1	59	-3627	3617	.	.	.	.	283	.	.
60	S1	60	-3720	3710	3711	1	1	942	266	3711	1
61	S1	61	-3812	3802	.	.	.	.	178	.	.
62	S1	62	-3834	3824	.	.	.	.	178	.	.
63	S1	63	-4102	4091	4092	1	1	994	149	4092	1
64	S1	64	-4344	4333	.	.	.	.	202	.	.
65	S1	65	-4443	4432	4431	-1	1	987	202	4431	1
66	S1	66	-4772	4760	.	.	.	.	149	.	.
67	S1	67	-4988	4976	.	.	.	.	252	.	.
68	S1	68	-4987	4975	.	.	.	.	228	.	.
69	S1	69	-5044	5032	5033	1	1	930	149	5033	1
70	S1	70	-5002	4990	.	.	.	.	228	.	.
71	S1	71	-5326	5314	.	.	.	.	149	5315	1
72	S1	72	-5445	5432	.	.	.	.	252	.	.
73	S1	73	-5457	5444	.	.	.	.	252	.	.
74	S1	74	-5591	5578	.	.	.	.	252	.	.
75	S1	75	-6235	6221	.	.	.	.	276	.	.
76	S1	76	-6260	6246	.	.	.	.	278	.	.
77	S1	77	-6418	6404	.	.	.	.	276	.	.
78	S1	178	-2639	2630	.	.	.	.	103	.	.
79	S1	78	-643	637	.	.	.	.	42	.	.
80	S1	107	-3753	3743	.	.	.	.	184	.	.
81	S1	97	-3469	3459	.	.	.	.	77	.	.

Quantitation Report File: 12159319

Data: 12159319.TI

12/16/93 5:34:00

Sample: SPM2*CDDMTW*11 BUR*50*100 TAR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 C130 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
 2 C140 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 C170 1719-03-5 CHRYSENE-D10 **IS5**
 6 C175 1520-96-3 PERYLENE-D12 **IS6**
 7 C950 367-12-4 2-FLUOROPHENOL **SU1**
 8 C545 4165-62-2 PHENOL-D5 **SU2**
 9 C520 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C525 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C555 118-79-6 2,4,6-TRIBROMOPHENOL **SU5**
 12 C530 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLORO BENZENE
 17 C340 106-46-7 1,4-DICHLORO BENZENE
 18 C350 95-50-1 1,2-DICHLORO BENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-D1-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORONE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLOROETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLORO BENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLOROBUTADIENE
 36 C465 59-50-7 4-CHLORO-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 88-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001910

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hight)	Amount	ZTot
1	152	1812	10:20	1	1.000	A BB	200824.	40.000 NG/UL	3.78
2	136	2354	13:25	2	1.000	A BB	626720.	40.000 NG/UL	3.78
3	164	3130	17:50	3	1.000	A BB	301328.	40.000 NG/UL	3.78
4	188	3791	21:37	4	1.000	A BB	411988.	40.000 NG/UL	3.78
5	240	4979	28:23	5	1.000	A BB	195600.	40.000 NG/UL	3.78
6	264	5604	31:57	6	1.000	A BB	164080.	40.000 UG/ML	3.78
7	112	1279	7:17	1	0.706	A BB	400811.	70.619 UG/ML	6.68
8	99	1686	9:37	1	0.930	A BB	542632.	63.740 UG/ML	6.03
9	82	2048	11:40	2	0.870	A BB	272652.	38.141 UG/ML	3.61
10	172	2844	16:13	3	0.909	A BB	316940.	31.172 UG/ML	2.95
11	330	3482	19:51	4	0.918	A BB	90480.	60.831 UG/ML	5.75
12	244	4523	25:47	5	0.908	A BB	66532.	10.031 UG/ML	0.95
13	94	1692	9:39	1	0.934	A BB	672624.	72.881 UG/ML	6.89
14	93	1723	9:49	1	0.951	A BB	8464.	1.116 UG/ML	0.11
15	128	1723	9:49	1	0.951	A BB	502456.	78.345 UG/ML	7.41
16	NOT FOUND								
17	146	1819	10:22	1	1.004	A BB	245616.	34.532 UG/ML	3.27
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	NOT FOUND								
29	NOT FOUND								
30	NOT FOUND								
31	180	2334	13:18	2	0.992	A BB	168300.	33.741 UG/ML	3.19
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	107	2626	14:58	2	1.116	A BB	312540.	69.303 UG/ML	6.56
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	152	3064	17:28	3	0.979	A BB	26640.	2.159 UG/ML	0.20
45	NOT FOUND								
46	NOT FOUND								
47	153	3144	17:55	3	1.004	A BB	142212.	19.170 UG/ML	1.81
48	NOT FOUND								
49	109	3214	18:19	3	1.027	A BB	74068.	96.167 UG/ML	9.10
50	NOT FOUND								

001911

Data: 12159319.TI

12/16/93 5:34:00

Sample: SPM2*CDDMTW*11 SUR*50*100 (AR*50*100

Conds.:

Formula: F1NDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 84-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-92-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACE1OPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 A70BENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
51	165	3232	18:25	3	1.033	A 88	99620.	46.622 UG/ML	4.41
52	149	3355	19:07	3	1.072	A 88	1116.	0.146 UG/ML	0.01
53	NOT FOUND								
54	NOT FOUND								
55	NOT FOUND								
56	NOT FOUND								
57	NOT FOUND								
58	NOT FOUND								
59	NOT FOUND								
60	266	3711	21:09	4	0.979	A 88	109412.	69.031 UG/ML	6.53
61	NOT FOUND								
62	NOT FOUND								

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	XTot
63	149	4092	23:19	4	1.079	A BB	1596.	~~0.135~~ UG/ML	0.01
64	NOT FOUND								
65	202	4431	25:15	5	0.890	A BB	108480.	13.220 UG/ML	1.25
66	NOT FOUND								
67	NOT FOUND								
68	NOT FOUND								
69	149	5033	28:41	5	1.011	A BB	19516.	5.560 UG/ML	0.53
70	NOT FOUND								
71	149	5315	30:18	6	0.948	A VB	2544.	~~0.477~~ UG/ML	0.05
72	NOT FOUND								
73	NOT FOUND								
74	NOT FOUND								
75	NOT FOUND								
76	NOT FOUND								
77	NOT FOUND								
78	NOT FOUND								
79	NOT FOUND								
80	NOT FOUND								
81	NOT FOUND								

PROCEDURE: TCA
 DATA FILE: 12169304
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/17/93 7:57:48

< ---- STANDARDS ---- >				>< --- PLUS UNKNOWN --- ><				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	136	12	12	1	122	MI/MS	
6	6	1	136	16	6	1	136	MI/M1	
6	6	1	136	16	6	1	136	MI/M2	
6	6	1	136	16	6	1	136	MI/M3	
6	6	1	136	16	6	1	136	MI/M4	
6	6	1	136	16	6	1	136	MI/M5	
6	6	1	136	25	6	1	136	MI/M6	

81 COMPOUNDS PROCESSED. 12 FOUND

< COMPOUND >		>< ----- SEARCH ----- ><						>< SAT ><		>< ----- CHRO ----- >		
NO	LIB ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1811	1810	-1	1	996	152	1810		1
2	S1	2	-2363	2353	2352	-1	1	986	136	2352		1
3	S1	3	-3139	3127	3129	2	1	994	164	3129		1
4	S1	4	-3801	3789	3790	1	1	986	188	3790		1
5	S1	5	-4991	4977	4977		1	995	240	4977		1
6	S1	6	-5619	5604	5603	-1	1	963	264	5603		1
7	S1	7	-1287	1278	1277	-1	1	996	112	1277		1
8	S1	8	-1692	1682	1682		1	999	99	1682		1
9	S1	9	-2058	2048	2047	-1	1	995	82	2047		1
10	S1	10	-2853	2842	2843	1	1	996	172	2843		1
11	S1	11	-3492	3480	3481	1	1	972	330	3480	-1	1
12	S1	12	-4534	4521	4523	2	1	998	244	4523		1
13	S1	13	-1698	1688					94			
14	S1	14	-1729	1719					93			
15	S1	15	-1731	1721					128			
16	S1	16	-1794	1784					146			
17	S1	17	-1828	1818					146			
18	S1	18	-1887	1877					146			
19	S1	19	-1892	1882					108			
20	S1	20	-1947	1937					108			
21	S1	21	-2016	2006					108			
22	S1	22	-1997	1947					45			
23	S1	23	-2012	2002					70			
24	S1	24	-2029	2019					117			
25	S1	25	-2067	2057					77			
26	S1	26	-2177	2167					82			
27	S1	27	-2203	2193					139			
28	S1	28	-2242	2232					107			
29	S1	29	-2307	2297					122			
30	S1	30	-2285	2275					93			
31	S1	31	-2343	2333					180			
32	S1	32	-2309	2299					162			
33	S1	33	-2372	2361					128			
34	S1	34	-2407	2396					127			
35	S1	35	-2437	2426					225			
36	S1	36	-2632	2621					107			
37	S1	37	-2681	2670					142			
38	S1	38	-2753	2742					237			
39	S1	39	-2811	2800					196			
40	S1	40	-2822	2811					196			
41	S1	41	-2894	2883					162			
42	S1	42	-2948	2937					65			
43	S1	43	-3047	3036					163			

001914

44	S1	44	-3075	3064	152
45	S1	45	-3069	3054	165
46	S1	46	-2948	2937	138
47	S1	47	-3155	3143	153
48	S1	48	-3179	3167	184
49	S1	49	-3219	3207	109
50	S1	50	-3233	3221	168
51	S1	51	-3241	3229	165
52	S1	52	-3366	3354	149
53	S1	53	-3399	3387	204
54	S1	54	-3386	3374	166
55	S1	55	-3404	3392	138
56	S1	56	-3454	3442	169
57	S1	57	-3419	3407	198
58	S1	58	-3619	3603	248
59	S1	59	-3627	3615	283
60	S1	60	-3720	3708	266
61	S1	61	-3812	3800	178
62	S1	62	-3834	3822	178
63	S1	63	-4102	4089	149
64	S1	64	-4344	4331	202
65	S1	65	-4443	4430	202
66	S1	66	-4772	4758	149
67	S1	67	-4988	4974	252
68	S1	68	-4987	4973	228
69	S1	69	-5044	5030	149
70	S1	70	-5002	4988	228
71	S1	71	-5326	5312	149
72	S1	72	-5445	5430	252
73	S1	73	-5457	5442	252
74	S1	74	-5591	5576	252
75	S1	75	-6235	6219	276
76	S1	76	-6260	6244	278
77	S1	77	-6418	6402	276
78	S1	178	-2639	2628	105
79	S1	78	-643	635	42
80	S1	107	-3753	3741	184
81	S1	97	-3469	3457	77

Quantitation Report File: 12169304

Data: 12169304.T1

12/16/93 16:19:00

Sample: MB*1118*1 SUR*50*100

Conds.:

Formula: FINDL4 FINSSH4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
 Resp. fac. from Library Entry

No Name

1 C130 3855-82-1 1,4-DICHLORO BENZENE-D4 **IS1**
 2 C140 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 C150 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 C160 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 C170 1719-03-5 CHRYSENE-D10 **IS5**
 6 C175 1520-96-3 PERYLENE-D12 **IS6**
 7 C550 367-12-4 2-FLUOROPHENOL **SU1**
 8 C545 4165-62-2 PHENOL-D5 **SU2**
 9 C520 4165-60-0 NITROBENZENE-D5 **SU3**
 10 C525 321-60-8 2-FLUOROBIPHENYL **SU4**
 11 C555 118-79-6 2,4,6-TRIBROMOPHENOL *SU5**
 12 C530 1718-51-0 TERPHENYL-D14 **SU6**
 13 C315 108-95-2 PHENOL
 14 C325 111-44-4 BIS(2-CHLOROETHYL)ETHER
 15 C330 95-57-8 2-CHLOROPHENOL
 16 C335 541-73-1 1,3-DICHLORO BENZENE
 17 C340 106-46-7 1,4-DICHLORO BENZENE
 18 C350 95-50-1 1,2-DICHLORO BENZENE
 19 C345 100-51-6 BENZYL ALCOHOL
 20 C355 95-48-7 2-METHYLPHENOL
 21 C365 106-44-5 4-METHYLPHENOL
 22 C360 39638-32-9 BIS(C-CHLOROETHYLISOPROPYL)ETHER
 23 C370 621-64-7 N-NITROSO-DI-PROPYLAMINE
 24 C375 67-72-1 HEXACHLOROETHANE
 25 C410 98-95-3 NITROBENZENE
 26 C415 78-59-1 ISOPHORDNE
 27 C420 88-75-5 2-NITROPHENOL
 28 C425 105-67-9 2,4-DIMETHYLPHENOL
 29 C430 65-85-0 BENZOIC ACID
 30 C435 111-91-1 BIS(2-CHLORODETHOXY)METHANE
 31 C445 120-82-1 1,2,4-TRICHLORO BENZENE
 32 C440 120-83-2 2,4-DICHLOROPHENOL
 33 C450 91-20-3 NAPHTHALENE
 34 C455 106-47-8 4-CHLOROANILINE
 35 C460 87-68-3 HEXACHLOROBUTADIENE
 36 C465 59-50-7 4-CHLOR-3-METHYLPHENOL
 37 C470 91-57-6 2-METHYLNAPHTHALENE
 38 C510 77-47-4 HEXACHLOROCYCLOPENTADIENE
 39 C515 88-06-2 2,4,6-TRICHLOROPHENOL
 40 C520 95-95-4 2,4,5-TRICHLOROPHENOL
 41 C525 91-58-7 2-CHLORONAPHTHALENE
 42 C530 68-74-4 2-NITROANILINE
 43 C535 131-11-3 DIMETHYLPHTHALATE
 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROTOLUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001916

No Name
 48 C555 51-28-5 2,4-DINITROPHENOL
 49 C560 100-02-7 4-NITROPHENOL
 50 C565 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	1810	10:19	1	1.000	A BB	149824.	40.000 NG/UL	7.23
2	136	2352	13:24	2	1.000	A BB	450740.	40.000 NG/UL	7.23
3	164	3129	17:50	3	1.000	A BB	214868.	40.000 NG/UL	7.23
4	188	3790	21:36	4	1.000	A BB	247052.	40.000 NG/UL	7.23
5	240	4977	28:22	5	1.000	A BB	72476.	40.000 NG/UL	7.23
6	264	5603	31:56	6	1.000	A BB	56528.	40.000 UG/ML	7.23
7	112	1277	7:17	1	0.706	A BB	313433.	68.108 UG/ML	12.31
8	99	1682	9:35	1	0.929	A BB	424376.	67.463 UG/ML	12.19
9	82	2047	11:40	2	0.870	A BB	183240.	35.242 UG/ML	6.37
10	172	2843	16:12	3	0.909	A BB	239848.	32.215 UG/ML	5.82
11	330	3480	19:50	4	0.918	A BB	64804.	71.662 UG/ML	12.95
12	244	4523	25:47	5	0.909	A BB	104556.	38.806 UG/ML	7.01
13	NOT FOUND								
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
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35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	NOT FOUND								
40	NOT FOUND								
41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Quantitation Report File: 12169304

Data: 12169304.T1

12/16/93 16:19:00

Sample: MB*1118*1 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

No	Name
51	C570 121-14-2 2,4-DINITROTOLUENE
52	C580 84-66-2 DIETHYLPHTHALATE
53	C585 7005-72-3 4-CHLOROPHENYL-PHENYL ETHER
54	C590 86-73-7 FLUORENE
55	C595 100-01-6 4-NITROANILINE
56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							

001918

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	ZTot
63	NOT	FOUND							
64	NOT	FOUND							
65	NOT	FOUND							
66	NOT	FOUND							
67	NOT	FOUND							
68	NOT	FOUND							
69	NOT	FOUND							
70	NOT	FOUND							
71	NOT	FOUND							
72	NOT	FOUND							
73	NOT	FOUND							
74	NOT	FOUND							
75	NOT	FOUND							
76	NOT	FOUND							
77	NOT	FOUND							
78	NOT	FOUND							
79	NOT	FOUND							
80	NOT	FOUND							
81	NOT	FOUND							

PROCEDURE: TCA
 DATA FILE: 12169305
 REFERENCE: TABSV
 NAME LIST: SV
 REPORT: MI

DIAGNOSTIC REPORT

12/17/93 8:06:08

< ---- STANDARDS ----- >				>< --- PLUS UNKNOWN --- >				>< - LIST NAMES - >	
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN	
6	6	1	142	12	12	1	124	MI/MS	
6	6	1	142	16	7	1	224	MI/M1	
6	6	1	142	16	6	1	142	MI/M2	
6	6	1	142	16	6	1	142	MI/M3	
6	6	1	142	16	6	1	142	MI/M4	
6	6	1	142	16	6	1	142	MI/M5	
6	6	1	142	25	6	1	142	MI/M6	

81 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND >			>< SEARCH ----- >					>< SAT >		>< CHRD ----- >			
NO	LIB	ENTRY	REF	PRED	SFL	DELTA	PEAKS	F11	PEAKS	M/Z	TOP	DELTA	PEAKS
1	S1	1	-1821	1812	1811	-1	1	998	.	152	1811	.	1
2	S1	2	-2363	2353	2352	-1	1	987	.	136	2352	.	1
3	S1	3	-3139	3128	3129	1	1	998	.	164	3129	.	1
4	S1	4	-3801	3789	3790	1	1	988	.	188	3790	.	1
5	S1	5	-4991	4977	4977	.	1	999	.	240	4977	.	1
6	S1	6	-5619	5603	5602	-1	1	959	.	264	5602	.	1
7	S1	7	-1287	1278	1277	-1	1	997	.	112	1277	.	1
8	S1	8	-1692	1682	1682	.	1	997	.	99	1682	.	1
9	S1	9	-2058	2048	2046	-2	1	997	.	82	2046	.	1
10	S1	10	-2853	2842	2842	.	1	998	.	172	2842	.	1
11	S1	11	-3492	3480	3480	.	1	980	.	330	3480	.	1
12	S1	12	-4534	4521	4522	1	1	995	.	244	4523	1	1
13	S1	13	-1698	1687	1684	-3	1	886	.	94	1686	2	1
14	S1	14	-1729	1718	.	.	.	.	.	93	.	.	.
15	S1	15	-1731	1720	.	.	.	.	.	128	.	.	.
16	S1	16	-1794	1783	.	.	.	.	.	146	.	.	.
17	S1	17	-1828	1817	.	.	.	.	.	146	.	.	.
18	S1	18	-1887	1876	.	.	.	.	.	146	.	.	.
19	S1	19	-1892	1881	.	.	.	.	.	108	.	.	.
20	S1	20	-1947	1936	.	.	.	.	.	108	.	.	.
21	S1	21	-2016	2005	.	.	.	.	.	108	.	.	.
22	S1	22	-1957	1946	.	.	.	.	.	45	.	.	.
23	S1	23	-2012	2003	.	.	.	.	.	70	.	.	.
24	S1	24	-2029	2020	.	.	.	.	.	117	.	.	.
25	S1	25	-2067	2057	.	.	.	.	.	77	.	.	.
26	S1	26	-2177	2167	.	.	.	.	.	82	.	.	.
27	S1	27	-2203	2193	.	.	.	.	.	139	.	.	.
28	S1	28	-2242	2232	.	.	.	.	.	107	.	.	.
29	S1	29	-2307	2297	.	.	.	.	.	122	.	.	.
30	S1	30	-2285	2275	.	.	.	.	.	93	.	.	.
31	S1	31	-2343	2333	.	.	.	.	.	180	.	.	.
32	S1	32	-2309	2299	.	.	.	.	.	162	.	.	.
33	S1	33	-2372	2362	.	.	.	.	.	128	.	.	.
34	S1	34	-2407	2397	.	.	.	.	.	127	.	.	.
35	S1	35	-2437	2427	.	.	.	.	.	225	.	.	.
36	S1	36	-2632	2621	.	.	.	.	.	107	.	.	.
37	S1	37	-2681	2670	.	.	.	.	.	142	.	.	.
38	S1	38	-2753	2742	.	.	.	.	.	237	.	.	.
39	S1	39	-2811	2800	.	.	.	.	.	196	.	.	.
40	S1	40	-2822	2811	.	.	.	.	.	196	.	.	.
41	S1	41	-2894	2883	.	.	.	.	.	162	.	.	.
42	S1	42	-2948	2937	.	.	.	.	.	65	.	.	.
43	S1	43	-3047	3036	.	.	.	.	.	163	.	.	.

001920

44	S1	44	-3075	3064	152
45	S1	45	-3065	3054	165
46	S1	46	-2948	2937	138
47	S1	47	-3155	3144	153
48	S1	48	-3179	3168	184
49	S1	49	-3219	3208	109
50	S1	50	-3233	3221	168
51	S1	51	-3241	3229	165
52	S1	52	-3366	3354	149
53	S1	53	-3399	3387	204
54	S1	54	-3386	3374	166
55	S1	55	-3404	3392	138
56	S1	56	-3454	3442	169
57	S1	57	-3419	3407	198
58	S1	58	-3615	3603	248
59	S1	59	-3627	3615	283
60	S1	60	-3720	3708	266
61	S1	61	-3812	3800	178
62	S1	62	-3834	3821	178
63	S1	63	-4102	4089	149
64	S1	64	-4344	4331	202
65	S1	65	-4443	4429	202
66	S1	66	-4772	4758	149
67	S1	67	-4988	4974	252
68	S1	68	-4987	4973	228
69	S1	69	-5044	5029	149
70	S1	70	-5002	4988	228
71	S1	71	-5326	5311	149
72	S1	72	-5445	5430	252
73	S1	73	-5457	5442	252
74	S1	74	-5591	5576	252
75	S1	75	-6235	6218	276
76	S1	76	-6260	6243	278
77	S1	77	-6418	6401	276
78	S1	178	-2639	2628	105
79	S1	78	-643	636	42
80	S1	107	-3753	3741	184
81	S1	97	-3469	3457	77

Quantitation Report File: 12169305

Data: 12169305.TI

12/16/93 17:17:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: D642

Acct. No.:

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

Resp. fac. from Library Entry

No Name

1 CI30 3855-82-1 1,4-DICHLOROBENZENE-D4 **IS1**
 2 CI40 1146-65-2 NAPHTHALENE-D8 **IS2**
 3 CI50 15067-26-2 ACENAPHTHENE-D10 **IS3**
 4 CI60 1517-22-2 PHENANTHRENE-D10 **IS4**
 5 CI70 1719-03-5 CHRYSENE-D10 **IS5**
 6 CI75 1520-96-3 PERYLENE-D12 **IS6**
 7 CS90 367-12-4 2-FLUOROPHENOL **SU1**
 8 CS45 4165-62-2 PHENOL-D5 **SU2**
 9 CS20 4165-60-0 NITROBENZENE-D5 **SU3**
 10 CS25 321-60-8 2-FLUOROBIPHENYL **SU4**
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 37 C470 91-57-6 2-METHYLNAPHTHALENE
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 44 C540 208-96-8 ACENAPHTHYLENE
 45 C543 606-20-2 2,6-DINITROQUENE
 46 C545 99-09-2 3-NITROANILINE
 47 C550 83-32-9 ACENAPHTHENE

001922

No Name
 48 C535 31-28-3 2,4-DINITROPHENOL
 49 C360 100-02-7 4-NITROPHENOL
 50 C365 132-64-9 DIBENZOFURAN

No	m/z	Scan	Time	Ref	RR1	Meth	Area(Hght)	Amount	X10t
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2	136	2352	13:24	2	1.000	A BB	444792.	40.000 NG/UL	7.57
3	164	3129	17:50	3	1.000	A BB	217332.	40.000 NG/UL	7.57
4	188	3790	21:36	4	1.000	A BB	246220.	40.000 NG/UL	7.57
5	240	4977	28:22	5	1.000	A BB	75084.	40.000 NG/UL	7.57
6	264	5602	31:56	6	1.000	A BB	58276.	40.000 UG/ML	7.57
7	112	1277	7:17	1	0.705	A BB	259602.	57.858 UG/ML	10.95
8	99	1682	9:35	1	0.929	A BB	353180.	97.585 UG/ML	10.89
9	82	2046	11:40	2	0.870	A BB	177124.	34.521 UG/ML	6.53
10	172	2842	16:12	3	0.908	A BB	239648.	31.823 UG/ML	6.02
11	330	3480	19:50	4	0.918	A BB	59940.	66.507 UG/ML	12.58
12	244	4523	25:47	5	0.909	A BB	110708.	39.662 UG/ML	7.50
13	94	1686	9:37	1	0.931	A BB	4312.	0.688 UG/ML	0.13
14	NOT FOUND								
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	NOT FOUND								
20	NOT FOUND								
21	NOT FOUND								
22	NOT FOUND								
23	NOT FOUND								
24	NOT FOUND								
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
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35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
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41	NOT FOUND								
42	NOT FOUND								
43	NOT FOUND								
44	NOT FOUND								
45	NOT FOUND								
46	NOT FOUND								
47	NOT FOUND								
48	NOT FOUND								
49	NOT FOUND								
50	NOT FOUND								

Data: 12169305.T1

12/16/93 17:17:00

Sample: CDDMTW*12 SUR*50*100

Conds.:

Formula: FINDL4 FINSSM4

Instrument: FINN

Weight: 0.000

Submitted by: DMRITTER

Analyst: 0642

Acct. No.:

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

Resp. fac. from Library Entry

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56	C615 86-30-6 N-NITROSODIPHENYLAMINE
57	C610 534-52-1 4,6-DINITRO-2-METHYLPHENOL
58	C625 101-55-3 4-BROMOPHENYL-PHENYLETHER
59	C630 118-74-1 HEXACHLOROBENZENE
60	C635 87-86-5 PENTACHLOROPHENOL
61	C640 85-01-8 PHENANTHRENE
62	C645 120-12-7 ANTHRACENE
63	C650 84-74-2 DI-N-BUTYLPHTHALATE
64	C655 206-44-0 FLUORANTHENE
65	C715 129-00-0 PYRENE
66	C720 85-68-7 BUTYLBENZYLPHTHALATE
67	C725 91-94-1 3,3'-DICHLOROBENZIDINE
68	C730 56-55-3 BENZO(A)ANTHRACENE
69	C745 117-81-7 BIS(2-ETHYLHEXYL)PHTHALATE
70	C740 218-01-9 CHRYSENE
71	C760 117-84-0 DI-N-OCTYLPHTHALATE
72	C765 205-99-2 BENZO(B)FLUORANTHENE
73	C770 207-08-9 BENZO(K)FLUORANTHENE
74	C775 50-32-8 BENZO(A)PYRENE
75	C780 193-39-5 INDENO(1,2,3-CD)PYRENE
76	C785 53-70-3 DIBENZO(A,H)ANTHRACENE
77	C790 191-24-2 BENZO(G,H,I)PERYLENE
78	CXXX 532-27-4 2-CHLORACETOPHENONE
79	CXXX 62-75-9 N-NITROSODIMETHYLAMINE
80	CXXX 92-87-5 BENZIDINE
81	CXXX 122-66-7 DIPHENYLHYDRAZINE/ 103-33-3 AZOBENZENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	NOT	FOUND							
52	NOT	FOUND							
53	NOT	FOUND							
54	NOT	FOUND							
55	NOT	FOUND							
56	NOT	FOUND							
57	NOT	FOUND							
58	NOT	FOUND							
59	NOT	FOUND							
60	NOT	FOUND							
61	NOT	FOUND							
62	NOT	FOUND							

48 703

Xlot

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount
63	NOT	FOUND						
64	NOT	FOUND						
65	NOT	FOUND						
66	NOT	FOUND						
67	NOT	FOUND						
68	NOT	FOUND						
69	NOT	FOUND						
70	NOT	FOUND						
71	NOT	FOUND						
72	NOT	FOUND						
73	NOT	FOUND						
74	NOT	FOUND						
75	NOT	FOUND						
76	NOT	FOUND						
77	NOT	FOUND						
78	NOT	FOUND						
79	NOT	FOUND						
80	NOT	FOUND						
81	NOT	FOUND						

001925

SIL STD MIX		
ANALYST	CALIBRATION	CONCENTRATION
1	4-8980	2000 $\mu\text{g}/\text{L}$
2	4-8980	
3	4-8981	
4	4-8985	
5	4-8986	
6	4-8987	
7	4-8988	
8	4-8985	
9	4-8985	1000
10	4-8986	1000

PREPARE STOCK STANDARD SOLUTION (00813-37) 200 $\mu\text{g}/\text{L}$ OF CONCENTRATION 1.0 mL
 FROM EACH OF 10 ANALYSTS
 THEN PREPARE WORKING STANDARDS AS FOLLOWS:

ALYST	ANALYST	VOLUME	CONCENTRATION
0.10	0.90	1.0 mL	20 $\mu\text{g}/\text{L}$
0.25	0.75	1.0 mL	50 $\mu\text{g}/\text{L}$
0.40	0.60	1.0 mL	80 $\mu\text{g}/\text{L}$
0.60	0.40	1.0 mL	120 $\mu\text{g}/\text{L}$
0.80	0.20	1.0 mL	160 $\mu\text{g}/\text{L}$

PREPARE ADDITIONAL WORKING STANDARDS AS NEEDED FROM STOCK STANDARD SOLUTION.

Continued on Page 38

Read and Understood By

DMR
 Signed

12/8/43
 Date

monter
 Signed

12/8/92
 Date

001926

98
PROJECT

Huntsville Coe DDMT

WIFE 11/18/93
Notebook No. 8931
Continued From Page

CDDMTW 9-14-93

fraction: MS
at 70 H₂O

poured up 1000 ml samples

checked pH = 7 acidified, checked pH = 2
then spilled

run started at 3:30 pm 11/18/93

1) Run off at 9:30 AM 11-19-93 CAC

1) Poured (acid phase) into KOs/receivers then MeCl₂ cleaned glassware and Na₂SO₄

2) Cook to ~ 10 ml

3) Placed in Fridge 20. CAC 11-19-93

~~1) Changed out tubing & flask
2) Checked and calibrated to 12
3) Checked out tubing & flask~~

Base Run on 3:30 pm 11-19-93

1) Run off (base phase) at 10:00 AM 11-20-93 CAC

~~2) Back wash & clean up at 11:00 AM 11-20-93
3) Poured (base phase) into KOs/receivers then MeCl₂ cleaned glassware and Na₂SO₄~~3) Poured (base phase) into KOs/receivers then MeCl₂ cleaned glassware and Na₂SO₄

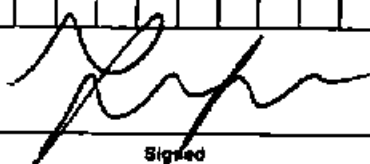
4) Cook to ~ 10 ml

5) Placed in Fridge 20. CAC 11-20-93

1) Combined acid and base phase, conc to 4 ml, ground. Teflon
sample to acid sample vials, topped to 1.0 ml to be analyzed.

11/24/93

Continued on Page



Signed

11/18/93

Date

Read and Understood By



Signed

001930

11/29/93

Date

SAMPLES: CDDM.TW 9-17-96

SAMPLE FRACTION: MS

EXTRACTION SOLVENT: Methylene Chloride

BNA H2O BY CONT. EXT.

1. Set up cont. ext. with 400ml MeCl₂
2. Pour up 1L of sample into the mixing cylinder
Use HPLC H2O for QC
3. Check PH, adjust to 2 with 1:2 H₂SO₄ PH= 2
4. Pour the sample into the cont. ext.
5. Spike the samples
6. Extract (acid phase) for 18 hours time on 3:30 pm time off 9:30 am CAC 11-19-93
7. Check Ph of the sample after extracting PH= 2 ✓
8. Pour 400ml of MeCl₂ into a clean boiling flask,
attach it to the cont. ext. ✓
9. Adjust PH of sample to 11 with 10N NaOH 11-19-93 ✓
10. Extract (base phase) for 18 hours time on 2:30 pm time off 10:00 11-20-93
Check PH of the sample after extracting PH= 11 ✓
11. Pour extracts into KDS through funnels packed with
MeCl cleaned glasswool and baked sodium sulfate
Base phase CAC 11-20-93
Acid phase CAC 11-19-93
12. Combine acid phase and base phase concentrate to 0.5ml
at 65 degrees C 11/24/93
13. Bring to 1.0ml MeCl₂ in clean autosampler vials
14. Check NON-THAMA lot folder off of clipboard,
turn in to GCMS
15. Put samples into GCMS freezer

QC REQUIRED

BLK
SPK
MS
MSD

YES	NO
<u>X</u>	<u> </u>
<u>X</u>	<u> </u>
<u>X</u>	<u> </u>

HPLC H2O

LOT#

BG153

MeCl₂

LOT#

BG153

Chain of Custody	To hands <u>D</u> <u>11/19/93</u>	To Fridge <u>26 CAC 11-19-93</u>	To Fridge <u>26</u> <u>CAC 11-20-93</u>
To GCMS <u>11/24/93</u>			

001931

Environmental Science and Engineering 11/15/93 STATUS:

P# 1 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 6 OF 6

PROJECT NUMBER 7934082B 0201
FIELD GROUP CDDMTWPROJECT NAME HUNTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBERCOLLECTION DATES: A-11/13/93
RECEIPT DATES : A-11/15/93
LAB DUE DATES : A-12/12/93
TURNAROUND :
QC :
COMMENTS/QC FR:MATRIX : M DET. LIMIT SPEC'D : NONE SPECIFIED
SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP,COLLECTION DATE CODES: AAA
RECEIPT DATE CODES: AAA
LAB DUE DATE CODES: AAA

SAMPLE SEQ #

			EXTRACT	DET. LMT.	125
			GROUP	CRITERIA	156
001	ACENAPHTHENE	,UG/L	36205*8270/3520-G	NVO	00N
002	ACENAPHTHYLENE	,UG/L	36200*8270/3520-G	NVO	00N
003	* ANTHRACENE	,UG/L	36220*8270/3520-G	NVO	00N
004	BENZO (A) ANTHRACENE	,UG/L	36526*8270/3520-G	NVO	00N
005	* BENZO (B) FLUORANTHENE	,UG/L	36230*8270/3520-G	NVO	00N
006	* BENZO (K) FLUORANTHENE	,UG/L	36242*8270/3520-G	NVO	00N
007	* BENZO (A) PYRENE	,UG/L	36247*8270/3520-G	NVO	00N
008	* BENZO (GHI) PERYLENE	,UG/L	36521*8270/3520-G	NVO	00N
009	* BUTYLBENZYLPHthalate	,UG/L	36292*8270/3520-G	NVO	00N
010	* BIS (2-CHLOROETHYL) ETHER	,UG/L	36273*8270/3520-G	NVO	00N
011	* BIS (2-CHLOROETHOXY) METHAN	,UG/L	36278*8270/3520-G	NVO	00N
012	* BIS (2-ETHYLHEXYL) PHTHALA	,UG/L	39100*8270/3520-G	NVO	00N
013	* BIS (2-CHL' ISOPROPYL) ETHER	,UG/L	36283*8270/3520-G	NVO	00N
014	* 4-BROMOPHENYLPHENYL ETHER	,UG/L	36636*8270/3520-G	NVO	00N
015	* 2-CHLORONAPHTHALENE	,UG/L	36581*8270/3520-G	NVO	00N
016	* 2-CHLOROPHENOL	,UG/L	36586*8270/3520-G	NVO	00N
017	* 4-CHLORO-3-METHYL PHENOL	,UG/L	36652*8270/3520-G	NVO	00N
018	* 4-CHLOROPHENYLPHENYL ETHER	,UG/L	36641*8270/3520-G	NVO	00N
019	* CHRYSENE	,UG/L	36320*8270/3520-G	NVO	00N
020	* DIBEN' (A,H) ANTH' CENE	,UG/L	36556*8270/3520-G	NVO	00N
021	* DI-N-BUTYLPHthalate	,UG/L	39110*8270/3520-G	NVO	00N
022	* 1,3-DICHLOROBENZENE	,UG/L	36566*8270/3520-G	NVO	00N
023	* 1,2-DICHLOROBENZENE	,UG/L	36536*8270/3520-G	NVO	00N
024	* 1,4-DICHLOROBENZENE	,UG/L	36571*8270/3520-G	NVO	00N
025	* 3,3'-DICHL' BENZIDINE	,UG/L	36631*8270/3520-G	NVO	00N
026	* 2,4-DICHLOROPHENOL	,UG/L	36601*8270/3520-G	NVO	00N
027	* DIETHYLPHthalate	,UG/L	36336*8270/3520-G	NVO	00N
028	* 2,4-DIMETHYLPHENOL	,UG/L	36606*8270/3520-G	NVO	00N
029	* DIMETHYLPHthalate	,UG/L	36341*8270/3520-G	NVO	00N
030	* 2,4-DINITROPHENOL	,UG/L	36616*8270/3520-G	NVO	00N
031	* 2,4-DINITROTOLUENE	,UG/L	36611*8270/3520-G	NVO	00N
032	* 2,6-DINITROTOLUENE	,UG/L	36626*8270/3520-G	NVO	00N
033	* DI-N-OCTYLPHthalate	,UG/L	36596*8270/3520-G	NVO	00N
034	* FLUORANTHENE	,UG/L	36376*8270/3520-G	NVO	00N
035	* FLUORENE	,UG/L	36381*8270/3520-G	NVO	00N
036	* HEXACHLOROBENZENE	,UG/L	39700*8270/3520-G	NVO	00N
037	* HEXACHLOROBUTADIENE	,UG/L	36391*8270/3520-G	NVO	00N
038	* HEXACHLOROXYCLOPENTADIENE	,UG/L	36386*8270/3520-G	NVO	00N
039	* HEXACHLOROTHANE	,UG/L	36396*8270/3520-G	NVO	00N
040	* INDENO (1,2,3-CD) PYRENE	,UG/L	36403*8270/3520-G	NVO	00N

O-OPEN L-1N LAB E-EXTRACTED N=NOT REQUESTED D-DONE S-SCHEDULED

* "STORET" = NOT ON DEPT AVAIL NUMS

001932

Environmental Science and Engineering 11/15/93 STATUS:

P# 2 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 6 OF 6

PROJECT NUMBER 79340820 0201
FIELD GROUP CDDMTNPROJECT NAME HUNTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBERCOLLECTION DATES: A=11/13/93
RECEIPT DATES : A=11/15/93
LAB DUE DATES : A=12/12/93
TURNAROUND :
OC :
COMMENTS/OC FR:MATRIX : W DET. LIMIT SPEC'D : NONE SPECIFIED
SAMPLE FRACTIONS C. C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP, VP.COLLECTION DATE CODES: AAA
RECEIPT DATE CODES: AAA
LAB DUE DATE CODES: AAA

SAMPLE SEQ #

			EXTRACT GROUP	DET.LMT. 125 CRITERIA 156
041 * ISOPHORONE	,UG/L	34408*8270/3520-G	NVO	CON
042 * 2-METHYL-4,6-DINITROPHENOL	,UG/L	34657*8270/3520-G	NVD	CON
043 * 2-METHYL PHENOL	,UG/L	99073*8270/3520-G		CON
044 * 4-METHYL PHENOL	,UG/L	99074*8270/3520-G		CON
045 * NAPHTHALENE	,UG/L	34696*8270/3520-G	NVD	CON
046 NITROBENZENE	,UG/L	34447*8270/3520-G	NVO	CON
047 * 2-NITROPHENOL	,UG/L	34591*8270/3520-G	NVO	CON
048 * 4-NITROPHENOL	,UG/L	34646*8270/3520-G	NVO	CON
049 * N-NITROSDI-N-PROPYLAMINE	,UG/L	34428*8270/3520-G	NVO	CON
050 * N-NITROSDIPHE'AMINE	,UG/L	34433*8270/3520-G	NVO	CON
051 * PENTACHLOROPHENOL	,UG/L	39032*8270/3520-G	NVO	CON
052 * PHENANTHRENE	,UG/L	34461*8270/3520-G	NVO	CON
053 PHENOL	,UG/L	34694*8270/3520-G	NVO	CON
054 * PYRENE	,UG/L	34469*8270/3520-G	NVO	CON
055 * 1,2,4-TRICH' BENZENE	,UG/L	34551*8270/3520-G	NVO	CON
1 2,4,6-TRICHL'PHENOL	,UG/L	34621*8270/3520-G	NVO	CON
1 BENZYL ALCOHOL	,UG/L	77147*8270/3520-G	NVO	CON
058 * BENZOIC ACID	,UG/L	77247*8270/3520-G		CON
059 * 4-CHLOROANILINE	,UG/L	99075*8270/3520-G	NVO	CON
060 * 2-NITROANILINE	,UG/L	99077*8270/3520-G	NVO	CON
061 * 3-NITROANILINE	,UG/L	99078*8270/3520-G	NVO	CON
062 * 4-NITROANILINE	,UG/L	99079*8270/3520-G	NVO	CON
063 * 2-METHYLNAPHTHALENE	,UG/L	77416*8270/3520-G		CON
064 * 2,4,6-TRICHL'PHENOL	,UG/L	77687*8270/3520-G	NVO	CON
065 * DIBENZOFURAN	,UG/L	81302*8270/3520-G		CON

O-OPEN L-IN LAB E-EXTRACTED M-NOT REQUESTED D-DONE S-SCHEDULED
* "STORET" - NOT ON DEPT AVAIL NUMS

001933

Environmental Science and Engineering 11/16/93 STATUS:

P# 1 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 6 OF 6

PROJECT NUMBER 7934082G 0201 PROJECT NAME MUMTSVILLE COE - DDMT
 FIELD GROUP CDDMTM PROJECT MANAGER P.C. WILBER
 LAB COORDINATOR PATRICK WILBER

COLLECTION DATES: A=11/14/93 B=11/15/93

RECEIPT DATES : A=11/16/93

LAB DUE DATES : A=12/14/93

TURNAROUND :

QC :

COMMENTS/QC FR:

MATRIX : W

DET. LIMIT SPEC'D : NONE SPECIFIED

SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP.

SAMPLE SEQ #
 COLLECTION DATE CODES: EBBBBAABBBBA
 RECEIPT DATE CODES: AAAAAAAAAA
 LAB DUE DATE CODES: AAAAAAAAAA

			EXTRACT	DET.LMT.	12233355
			GROUP	CRITERIA	47233458925
001	ACENAPHTHENE	,UG/L	34205*8270/3520-G	NVO	000000000NN
002	ACENAPHTHYLENE	,UG/L	34200*8270/3520-G	NVO	000000000NN
003	ANTHRACENE	,UG/L	34220*8270/3520-G	NVO	000000000NN
004	BENZO(A)ANTHRACENE	,UG/L	34526*8270/3520-G	NVO	000000000NN
005	BENZO(B)FLUORANTHENE	,UG/L	34230*8270/3520-G	NVO	000000000NN
006	BENZO(K)FLUORANTHENE	,UG/L	34242*8270/3520-G	NVO	000000000NN
007	BENZO(A)PYRENE	,UG/L	34247*8270/3520-G	NVO	000000000NN
008	BENZO(GH)PERYLENE	,UG/L	34521*8270/3520-G	NVO	000000000NN
009	BUTYLBENZYLPHthalate	,UG/L	34292*8270/3520-G	NVO	000000000NN
010	BIS(2-CHLOROETHYL) ETHER	,UG/L	34273*8270/3520-G	NVO	000000000NN
011	BIS(2-CHLOROETHOXY) METHAN	,UG/L	34278*8270/3520-G	NVO	000000000NN
012	BIS(2-ETHYLEXYL) PHTHALA	,UG/L	39100*8270/3520-G	NVO	000000000NN
013	BIS(2-CHL'ISOPROPYL) ETHER	,UG/L	34283*8270/3520-G	NVO	000000000NN
014	4-BROMOPHENYLPHENYL	,UG/L	34636*8270/3520-G	NVO	000000000NN
015	2-CHLORONAPHTHALENE	,UG/L	34581*8270/3520-G	NVO	000000000NN
016	2-CHLOROPHENOL	,UG/L	34586*8270/3520-G	NVO	000000000NN
017	4-CHLORO-3-METHYL PHENOL	,UG/L	34452*8270/3520-G	NVO	000000000NN
018	4-CHLOROPHENYLPHENYL ETHER	,UG/L	34641*8270/3520-G	NVO	000000000NN
019	CHRYSENE	,UG/L	34320*8270/3520-G	NVO	000000000NN
020	DIBEN' (A,H)ANTH' CENE	,UG/L	34556*8270/3520-G	NVO	000000000NN
021	DI-N-BUTYLPHthalate	,UG/L	39110*8270/3520-G	NVO	000000000NN
022	1,3-DICHLOROBENZENE	,UG/L	34566*8270/3520-G	NVO	000000000NN
023	1,2-DICHLOROBENZENE	,UG/L	34536*8270/3520-G	NVO	000000000NN
024	1,4-DICHLOROBENZENE	,UG/L	34571*8270/3520-G	NVO	000000000NN
025	1,3'-DICHL' BENZIDINE	,UG/L	34631*8270/3520-G	NVO	000000000NN
026	2,4-DICHLOROPHENOL	,UG/L	34601*8270/3520-G	NVO	000000000NN
027	DIETHYLPHthalate	,UG/L	34336*8270/3520-G	NVO	000000000NN
028	2,4-DIMETHYLPHENOL	,UG/L	34606*8270/3520-G	NVO	000000000NN
029	DIMETHYLPHthalate	,UG/L	34341*8270/3520-G	NVO	000000000NN
030	2,4-DINITROPHENOL	,UG/L	34616*8270/3520-G	NVO	000000000NN
031	2,4-DINITROTOLUENE	,UG/L	34611*8270/3520-G	NVO	000000000NN
032	2,6-DINITROTOLUENE	,UG/L	34626*8270/3520-G	NVO	000000000NN
033	DI-N-OCTYLPHthalate	,UG/L	34596*8270/3520-G	NVO	000000000NN
034	FLUORANTHENE	,UG/L	34376*8270/3520-G	NVO	000000000NN
035	FLUORENE	,UG/L	34381*8270/3520-G	NVO	000000000NN
036	HEXACHLOROBENZENE	,UG/L	39700*8270/3520-G	NVO	000000000NN
037	HEXACHLOROCYCLOPENTADIENE	,UG/L	34391*8270/3520-G	NVO	000000000NN
038	HEXACHLOROCYCLOPENTADIENE	,UG/L	34386*8270/3520-G	NVO	000000000NN
039	HEXACHLOROETHANE	,UG/L	34396*8270/3520-G	NVO	000000000NN
040	INDENO(1,2,3-CD) PYRENE	,UG/L	34403*8270/3520-G	NVO	000000000NN

O=OPEN L=IN LAB E=EXTRACTED N=NOT REQUESTED D=DONE S=SCHEDULED
 * *STREET* = NOT ON DEPT AVAIL NUMS

001934

Environmental Science and Engineering 11/16/93 STATUS:

P# 2 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 6 OF 6

PROJECT NUMBER 7934082G 0201
FIELD GROUP CDDMTWPROJECT NAME HUNTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBER

COLLECTION DATES: A-11/14/93 B-11/15/93

RECEIPT DATES : A-11/16/93

LAB DUE DATES : A-12/14/93

TURNAROUND :

QC :

COMMENTS/QC FR:

MATRIX : W

DET. LIMIT SPEC'D : NONE SPECIFIED

SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NF, NP, NP, VP, VP, VP, VP, VP,

COLLECTION DATE CODES: BBBBBAABBA
 RECEIPT DATE CODES: AAAAAAAAAA
 LAB DUE DATE CODES: AAAAAAAAAA

	EXTRACT	DET. LMT.	12231355
	GROUP	CRITERIA	47913458725
041 * ISOPHORONE	UG/L	34408*8270/3520-G	NVO
042 * 7-METHYL-4,6-DINITROPHENOL	UG/L	34657*8270/3520-G	NVO
043 * 2-METHYL PHENOL	UG/L	99073*8270/3520-G	
044 * 4-METHYL PHENOL	UG/L	99074*8270/3520-G	
045 * NAPHTHALENE	UG/L	34696*8270/3520-G	NVO
046 * NITROBENZENE	UG/L	34447*8270/3520-G	NVO
047 * 2-NITROPHENOL	UG/L	34591*8270/3520-G	NVO
048 * 4-NITROPHENOL	UG/L	34646*8270/3520-G	NVO
049 * N-NITROSODI-N-PROPYLAMINE	UG/L	34428*8270/3520-G	NVO
050 * N-NITROSODIPHE'AMINE	UG/L	34433*8270/3520-G	NVO
051 * PENTACHLOROPHENOL	UG/L	39032*8270/3520-G	NVO
052 * PHENANTHRENE	UG/L	34461*8270/3520-G	NVO
053 * PHENOL	UG/L	34694*8270/3520-G	NVO
054 * PYRENE	UG/L	34469*8270/3520-G	NVO
055 * 1,2,4-TRICH' BENZENE	UG/L	34551*8270/3520-G	NVO
056 * 2,4,6-TRICH' PHENOL	UG/L	34621*8270/3520-G	NVO
057 * BENZYL ALCOHOL	UG/L	77147*8270/3520-G	NVO
058 * BENZOIC ACID	UG/L	77247*8270/3520-G	
059 * 4-CHLORANILINE	UG/L	99075*8270/3520-G	NVO
060 * 2-NITROANILINE	UG/L	99077*8270/3520-G	NVO
061 * 3-NITROANILINE	UG/L	99078*8270/3520-G	NVO
062 * 4-NITROANILINE	UG/L	99079*8270/3520-G	NVO
063 * 2-METHYLNAPHTHALENE	UG/L	77416*8270/3520-G	
064 * 2,4,5-TRICH' PHENOL	UG/L	77687*8270/3520-G	NVO
065 * DIBENZOPURAN	UG/L	81302*8270/3520-G	

O-OPEN L-IN LAB E-EXTRACTED N-NOT REQUESTED D-DONE S-SCHEDULED
 * "STORET" * NOT ON DEPT AVAIL NUMS

Environmental Science and Engineering 11/12/93 STATUS:

P# 1 OF 2

* SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 1 OF 1

PROJECT NUMBER 7934082G 0201
FIELD GROUP CDM/TWPROJECT NAME HUNTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBERCOLLECTION DATES: A-11/11/93
RECEIPT DATES: A-11/12/93
LAB DUE DATES: A-12/10/93
TURNAROUND:
QC:
COMMENTS/QC FR:MATRIX: W DET. LIMIT SPEC'D: NONE SPECIFIED
SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NF, NP, NP, VP, VP, VP, VP, VP.SAMPLE SEQ #
COLLECTION DATE CODES: AAAAA
RECEIPT DATE CODES: AAAAA
LAB DUE DATE CODES: AAAAA

			EXTRACT	DET. LMT.	11445
			GROUP	CRITERIA	02123
001	ACENAPHTHENE	,UG/L	34205*8270/3520-G	NVO	0000N
002	ACENAPHTHYLENE	,UG/L	34200*8270/3520-G	NVO	0000N
003	ANTHRACENE	,UG/L	34220*8270/3520-G	NVO	0000N
004	BENZO(A)ANTHRACENE	,UG/L	34526*8270/3520-G	NVO	0000N
005	BENZO(B)FLUORANTHENE	,UG/L	34230*8270/3520-G	NVO	0000N
006	BENZO(K)FLUORANTHENE	,UG/L	34242*8270/3520-G	NVO	0000N
007	BENZO(A)PYRENE	,UG/L	34247*8270/3520-G	NVO	0000N
008	BENZO(GH)PERYLENE	,UG/L	34521*8270/3520-G	NVO	0000N
009	BUTYLBENZYLPHthalate	,UG/L	34292*8270/3520-G	NVO	0000N
010	BIS(2-CHLOROETHYL) ETHER	,UG/L	34273*8270/3520-G	NVO	0000N
011	BIS(2-CHLOROETHOXY) METHAN	,UG/L	34278*8270/3520-G	NVO	0000N
012	BIS(2-ETHYLHEXYL) PHTHALA	,UG/L	39100*8270/3520-G	NVO	0000N
013	BIS(2-CHL-ISOPOPYL) ETHER	,UG/L	34283*8270/3520-G	NVO	0000N
014	4-BROMOPHENYLPHENYL ETHER	,UG/L	34636*8270/3520-G	NVO	0000N
015	2-CHLORONAPHTHALENE	,UG/L	34501*8270/3520-G	NVO	0000N
016	2-CHLOROPHENOL	,UG/L	34585*8270/3520-G	NVO	0000N
017	4-CHLORO-3-METHYL PHENOL	,UG/L	34452*8270/3520-G	NVO	0000N
018	4-CHLOROPHENYLPHENYL ETHER	,UG/L	34641*8270/3520-G	NVO	0000N
019	CHRYSENE	,UG/L	34320*8270/3520-G	NVO	0000N
020	DIBEN(A,H)ANTH'CENE	,UG/L	34556*8270/3520-G	NVO	0000N
021	DI-N-BUTYLPHthalate	,UG/L	39110*8270/3520-G	NVO	0000N
022	1,3-DICHLOROBENZENE	,UG/L	34566*8270/3520-G	NVO	0000N
023	1,2-DICHLOROBENZENE	,UG/L	34536*8270/3520-G	NVO	0000N
024	1,4-DICHLOROBENZENE	,UG/L	34571*8270/3520-G	NVO	0000N
025	1,1'-DICHL'BENZIDINE	,UG/L	34631*8270/3520-G	NVO	0000N
026	2,4-DICHLOROPHENOL	,UG/L	34601*8270/3520-G	NVO	0000N
027	DIETHYLPHthalate	,UG/L	34336*8270/3520-G	NVO	0000N
028	2,4-DIMETHYLPHENOL	,UG/L	34606*8270/3520-G	NVO	0000N
029	DIMETHYLPHthalate	,UG/L	34341*8270/3520-G	NVO	0000N
030	2,4-DINITROPHENOL	,UG/L	34616*8270/3520-G	NVO	0000N
031	2,4-DINITROTOLUENE	,UG/L	34611*8270/3520-G	NVO	0000N
032	2,6-DINITROTOLUENE	,UG/L	34625*8270/3520-G	NVO	0000N
033	DI-N-OCTYLPHthalate	,UG/L	34596*8270/3520-G	NVO	0000N
034	FLUORANTHENE	,UG/L	34376*8270/3520-G	NVO	0000N
035	FLUORENE	,UG/L	34381*8270/3520-G	NVO	0000N
036	HEXACHLOROBENZENE	,UG/L	39700*8270/3520-G	NVO	0000N
037	HEXACHLOROBUTADIENE	,UG/L	34391*8270/3520-G	NVO	0000N
038	HEXACHLOROCYCLOPENTADIENE	,UG/L	34386*8270/3520-G	NVO	0000N
039	HEXACHLOROETHANE	,UG/L	34396*8270/3520-G	NVO	0000N
040	INDENO(1,2,3-CD) PYRENE	,UG/L	34493*8270/3520-G	NVO	0000N

O-OPEN L-IN LAB E-EXTRACTED N-NOT REQUESTED D-DONE S-SCHEDULED
* "STORET" - NOT ON DEPT AVAIL NUMS

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Environmental Science and Engineering 11/12/93 STATUS:

P# 2 OF 2

*** SAMPLE ARRIVAL NOTICE FOR DEPARTMENT 1241 ***

C# 1 OF 1

PROJECT NUMBER 7934082G 0201
FIELD GROUP CDDMTNPROJECT NAME MINTSVILLE COE - DDMT
PROJECT MANAGER P.C. WILBER
LAB COORDINATOR PATRICK WILBERCOLLECTION DATES: A=11/11/93
RECEIPT DATES : A=11/12/93
LAB DUE DATES : A=12/10/93

TURNAROUND :

QC :

COMMENTS/QC FR:

MATRIX : W

DET. LIMIT SPEC'D : NONE SPECIFIED

SAMPLE FRACTIONS C, C, EC, EC, EC, LC, LC, LC, LC, MS, MS, MS, N, NP, NP, NP, VP, VP, VP, VP, VP,

COLLECTION DATE CODES: AAAAA
RECEIPT DATE CODES: AAAAA
LAB DUE DATE CODES: AAAAA

SAMPLE SEQ #

			EXTRACT	DET. LMT.	SAMPLE SEQ #
			GROUP	CRITERIA	
041 * ISOPHORBONE	UG/L	34408*8270/3520-G	NVO	11445	0000N
042 * 2-METHYL-4,6-DINITROPHENOL	UG/L	34457*8270/3520-G	NVO	02123	0000N
043 * 2-METHYL PHENOL	UG/L	99073*8270/3520-G			0000N
044 * 4-METHYL PHENOL	UG/L	99074*8270/3520-G			0000N
045 * NAPHTHALENE	UG/L	34696*8270/3520-G	NVO		0000N
046 * NITROBENZENE	UG/L	34447*8270/3520-G	NVO		0000N
047 * 2-NITROPHENOL	UG/L	34591*8270/3520-G	NVO		0000N
048 * 4-NITROPHENOL	UG/L	34646*8270/3520-G	NVO		0000N
049 * N-NITROSODI-N-PROPYLAMINE	UG/L	34428*8270/3520-G	NVO		0000N
050 * N-NITROSODIPHE'AMINE	UG/L	34433*8270/3520-G	NVO		0000N
051 * PENTACHLOROPHENOL	UG/L	39032*8270/3520-G	NVO		0000N
052 * PHENANTHRENE	UG/L	34461*8270/3520-G	NVO		0000N
053 * PHENOL	UG/L	34594*8270/3520-G	NVO		0000N
054 * PYRENE	UG/L	34469*8270/3520-G	NVO		0000N
055 * 1,2,4-TRICH' BENZENE	UG/L	34551*8270/3520-G	NVO		0000N
056 * 2,4,6-TRICHL' PHENOL	UG/L	34521*8270/3520-G	NVO		0000N
057 * BENZYL ALCOHOL	UG/L	77147*8270/3520-G	NVO		0000N
058 * BENZOIC ACID	UG/L	77247*8270/3520-G			0000N
059 * 4-CHLORDANILINE	UG/L	99075*8270/3520-G	NVO		0000N
060 * 2-NITROANILINE	UG/L	99077*8270/3520-G	NVO		0000N
061 * 3-NITROANILINE	UG/L	99078*8270/3520-G	NVO		0000N
062 * 4-NITROANILINE	UG/L	99079*8270/3520-G	NVO		0000N
063 * 2-METHYLNAPHTHALENE	UG/L	77416*8270/3520-G			0000N
064 * 2,4,5-TRICHL' PHENOL	UG/L	77687*8270/3520-G	NVO		0000N
065 * DIBENZOFURAN	UG/L	81302*8270/3520-G			0000N

O=OPEN L=IN LAB E=EXTRACTED N=NOT REQUESTED D=DONE S=SCHEDULED
* *STORET* = NOT ON DEPT AVAIL NUMS

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