APPENDIX E

010708

RAW ANALYTICAL DATA

Beazer

BEAZER EAST, INC.
SOUTH CAVALCADE
SUPERFUND SITE
HOUSTON, TEXAS

VOLUME II OF IV

OCTOBER 1993

137005

Dames & Moore

137005

010708

010709

TABLE OF CONTENTS

CHESTER LABNET
RAW ANALYTICAL DATA

Volume II

		Delivery Groups
		H93-06.253
		H93-03.101
Reference Project:	Soil Washing Pilot Study Report South Calvacade Superfund Site	Appendix E

010710

Report
Prepared
for

D a m e s a n d M o o r e

4321 Directors Row
Suite 200
Houston, TX 77092

Attention : BRUCE HICKMAN

by

Chester LabNet - Houston
8300 Westpark Drive
Houston, Texas 77063
(713) 266-6800

CERTIFIED BY : Bobby Barrientos

Bobby Barrientos
Project Manager

PROJECT ID : S. Cavalcade
P.O. NUMBER :

WORK ORDER : H93-06.253
DATE RECEIVED : 25-JUN-1993

SAMPLE & ANALYSIS SUMMARY

Chester LabNet Sample ID	Client's Sample Name	Date Collected	Sample Matrix
H93-06.253-001	LAB BLANK	23-JUN-1993	SOIL
H93-06.253-002	+1F&G 2.0 FLOAT	23-JUN-1993	SOIL
H93-06.253-003	-1"+10m F&G 2.0 FLOAT	23-JUN-1993	SOIL
H93-06.253-004	+10m SDF&G HEAD	23-JUN-1993	SOIL
H93-06.253-005	-10m+80m SDF&G	23-JUN-1993	SOIL
H93-06.253-006	-80m+200m SDF&G	23-JUN-1993	SOIL
H93-06.253-007	-200m SDF&G	23-JUN-1993	SOIL
H93-06.253-008	-10m+80m F&G MIX	23-JUN-1993	SOIL
H93-06.253-009	+80m SCRUB F&G MIX	23-JUN-1993	SOIL
H93-06.253-010	-80m SCRUB F&G MIX	23-JUN-1993	SOIL
H93-06.253-011	F&G MIX HEAD	23-JUN-1993	SOIL
H93-06.253-012	F/G MIX-FT6-0:5min	23-JUN-1993	SOIL
H93-06.253-013	F/G MIX-FT6-5:15min	23-JUN-1993	SOIL
H93-06.253-014	F/G MIX-FT6-15:25min	23-JUN-1993	SOIL
H93-06.253-015	F/G MIX-FT6-TAILS	23-JUN-1993	SOIL
H93-06.253-016	F/G MIX-FT7-0:5min	23-JUN-1993	SOIL
H93-06.253-017	F/G MIX-FT7-5:15	23-JUN-1993	SOIL
H93-06.253-018	F/G MIX-FT7-15:25min	23-JUN-1993	SOIL
H93-06.253-019	F/G MIX-FT7 TAILS	23-JUN-1993	SOIL
H93-06.253-020	F/G MIX-FT8-0:5min	23-JUN-1993	SOIL
H93-06.253-021	F/G MIX-FT8-5:15min	23-JUN-1993	SOIL
H93-06.253-022	F/G MIX-FT8-15:25	23-JUN-1993	SOIL
H93-06.253-023	F/G MIX-FT8-TAILS	23-JUN-1993	SOIL
H93-06.253-024	F/G MIX-FT9-0:5min	23-JUN-1993	SOIL
H93-06.253-025	F/G MIX-FT9-5:15min	23-JUN-1993	SOIL
H93-06.253-026	F/G MIX-FT9-15:25min	23-JUN-1993	SOIL
H93-06.253-027	F/G MIX-FT9-TAILS	23-JUN-1993	SOIL
H93-06.253-028	F/G MIX-FT10-0:5min	23-JUN-1993	SOIL
H93-06.253-029	F/G MIX-FT10-5:15min	23-JUN-1993	SOIL
H93-06.253-030	F/G MIX-FT10-15:25	23-JUN-1993	SOIL
H93-06.253-031	F/G MIX-FT10-TAILS	23-JUN-1993	SOIL
H93-06.253-032	F/G MIX-FT11-0:5min	23-JUN-1993	SOIL
H93-06.253-033	F/G MIX-FT11-5:15	23-JUN-1993	SOIL
H93-06.253-034	F/G MIX-FT11-15:25	23-JUN-1993	SOIL
H93-06.253-035	F/G MIX-FT11-TAILS	23-JUN-1993	SOIL

Analysis ID	Parameter Description
DRY_WT	Dry Weight Factor
EXT_8270SX	(Soil) Extraction by EPA 8270
SV_TCL_SX	Semivolatiles (Target Compound List)-Soil

C A S E N A R R A T I V E

CONTRACTOR: CHESTER LABNET SITE: SOUTH CAVALCADE

PROJ.NO. LAB NO.:H93-06.253

I. RECEIPT

A. DATE: June 25, 1993

B. NO. OF SAMPLES: (34) SOILS.

C. CLIENT SAMPLE ID's: #3R; #6R; #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.

D. SAMPLE TYPE: SOILS - Pilot Soil Washing Test

E. ANALYSIS REQUESTED: cPAH (Method 8270) per soil fraction. ID designated for each Station location from Chain of Custody.

F. SHIPPING PROBLEMS: Samples arrived from Hazen Research and immediately were transfer same day by FedEX to our Monroeville Laboratory location.

G. DOCUMENTATION: Data Quality Objective (DQO) level III Soil samples provided from Hazen Research,Inc. Data Package will appear slighty different from previous submitted Work Orders.
All analytical work was conducted at our Monroeville location due to heavy backlog in GCMS department at the Houston Lab.

H. QC DISTRIBUTION: (MS/DUP AND MSD/SPIKE)

CLIENT ID	MATRIX	All Parameters
#50(+10m SDF&G Head)	Soil	cPAH

II. PREPARATION

A. MS/MSD PROBLEMS: MS/MSD Compounds diluted out due to matrices high contamination upon analyzing.
No MS/MSD Summary report provided.

B. EXTRACTION PROBLEMS: None

III. ANALYSIS

A. ANALYSIS: Several blank spike compounds are outside the required limits due to higher QC recoveries.

B. SURROGATE PROBLEMS: According to Soil Surrogate summary all samples for cPAH analyses have surrogates diluted out due to matrices hazardous condition.

IV. COMMENTS

Per request of Dames & Moore (Bruce Hickman), the Full PAH listing (Form I's) with quanitation is provided. According to stated Pilot Soil Washing Sampling and Analysis Plan, the carcinogenic PAHs are included.

All analyses were performed as specified according to the Quality Assurance Project Plan (QAPP) for South Cavalcade Site as part of the Remedial Design Work Plan for Beazer.

Robert R. Barrientos

Robert R. Barrientos - Project Manager

July 20, 1993

Date

SAMPLE AND ANALYSIS SUMMARY

SAMPLE ID	CLIENT ID	DATE COLLECTED	SAMPLE MATRIX
M93-06-118-001	LAB BLANK		SOIL
M93-06-118-002	LAB CONTROL SAMPLE		SOIL
M93-06-118-003	#3R	6/23/93	SOIL
M93-06-118-004	#6R	6/23/93	SOIL
M93-06-118-005	#50	6/23/93	SOIL
M93-06-118-006	#50 DUP		SOIL
M93-06-118-007	#50 MS		SOIL
M93-06-118-008	#50 MSD		SOIL
M93-06-118-009	#51	6/23/93	SOIL
M93-06-118-010	#52	6/23/93	SOIL
M93-06-118-011	#53	6/23/93	SOIL
M93-06-118-012	#54	6/23/93	SOIL
M93-06-118-013	#55	6/23/93	SOIL
M93-06-118-014	#56	6/23/93	SOIL
M93-06-118-015	#57	6/23/93	SOIL
M93-06-118-016	#58	6/23/93	SOIL
M93-06-118-017	#59	6/23/93	SOIL
M93-06-118-018	#60	6/23/93	SOIL
M93-06-118-019	#61	6/23/93	SOIL
M93-06-118-020	#62	6/23/93	SOIL
M93-06-118-021	#63	6/23/93	SOIL
M93-06-118-022	#64	6/23/93	SOIL
M93-06-118-023	#65	6/23/93	SOIL
M93-06-118-024	#66	6/23/93	SOIL
M93-06-118-025	#67	6/23/93	SOIL
M93-06-118-026	#68	6/23/93	SOIL
M93-06-118-027	#69	6/23/93	SOIL
M93-06-118-028	#70	6/23/93	SOIL
M93-06-118-029	#71	6/23/93	SOIL
M93-06-118-030	#72	6/23/93	SOIL
M93-06-118-031	#73	6/23/93	SOIL
M93-06-118-032	#74	6/23/93	SOIL
M93-06-118-033	#75	6/23/93	SOIL
M93-06-118-034	#76	6/23/93	SOIL
M93-06-118-035	#77	6/23/93	SOIL
M93-06-118-036	#78	6/23/93	SOIL
M93-06-118-037	#79	6/23/93	SOIL
M93-06-118-038	#80	6/23/93	SOIL
M93-06-118-039	#81	6/23/93	SOIL

ANALYSIS ID	PARAMETER DESCRIPTION
8270X	(Soil) Semi-Volatiles
SOL	%Solids at 103 C

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CHESTER LABNET

	CLIENT SAMPLE NO.	LAB SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (PHL) #	S4 (2FP) #	S5 (TBP) #	TOT OUT
01	#71	M93-6-118-029	D	D	D	D	D	0
02	#72	M93-6-118-030	D	D	D	D	D	0
03	#73	M93-6-118-031	D	D	D	D	D	0
04	#74	M93-6-118-032	D	D	D	D	D	0
05	#75	M93-6-118-033	D	D	D	D	D	0
06	#76	M93-6-118-034	D	D	D	D	D	0
07	#77	M93-6-118-035	D	D	D	D	D	0
08	#78	M93-6-118-036	D	D	D	D	D	0
09	#79	M93-6-118-037	D	D	D	D	D	0
10	#80	M93-6-118-038	D	D	D	D	D	0
11	#81	M93-6-118-039	D	D	D	D	D	0
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(23-120)
S2 (FBP) = 2-Fluorobiphenyl	(30-115)
S3 (PHL) = Phenol-d5	(24-113)
S4 (2FP) = 2-Fluorophenol	(25-121)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)

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

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: CHESTER LABNET

	CLIENT SAMPLE NO.	LAB SAMPLE NO.	S1 (NBZ) #	S2 (FBP) #	S3 (PHL) #	S4 (2FP) #	S5 (TBP) #	TOT OUT
01	BLANK 1	M93-6-118-001	90.7	72.0	118 *	159 *	90.0	2
02	LCS 1	M93-6-118-002	76.6	65.4	102	141 *	58.6	1
03	BLANK 2	M93-6-118-001	41.2	51.1	41.0	42.6	46.3	0
04	LCS 2	M93-6-118-002	72.5	83.9	93.3	96.9	17.0 *	1
05	#3R	M93-6-118-003	D	D	D	D	D	0
06	#6R	M93-6-118-004	D	D	D	D	D	0
07	#50	M93-6-118-005	D	D	D	D	D	0
08	#50 MS	M93-6-118-007	D	D	D	D	D	0
09	#50 MSD	M93-6-118-008	D	D	D	D	D	0
10	#51	M93-6-118-009	D	D	D	D	D	0
11	#52	M93-6-118-010	D	D	D	D	D	0
12	#53	M93-6-118-011	D	D	D	D	D	0
13	#54	M93-6-118-012	D	D	D	D	D	0
14	#55	M93-6-118-013	D	D	D	D	D	0
15	#56	M93-6-118-014	D	D	D	D	D	0
16	#57	M93-6-118-015	D	D	D	D	D	0
17	#58	M93-6-118-016	D	D	D	D	D	0
18	#59	M93-6-118-017	D	D	D	D	D	0
19	#60	M93-6-118-018	D	D	D	D	D	0
20	#61	M93-6-118-019	D	D	D	D	D	0
21	#62	M93-6-118-020	D	D	D	D	D	0
22	#63	M93-6-118-021	D	D	D	D	D	0
23	#64	M93-6-118-022	D	D	D	D	D	0
24	#65	M93-6-118-023	D	D	D	D	D	0
25	#66	M93-6-118-024	D	D	D	D	D	0
26	#67	M93-6-118-025	D	D	D	D	D	0
27	#68	M93-6-118-026	D	D	D	D	D	0
28	#69	M93-6-118-027	D	D	D	D	D	0
29	#70	M93-6-118-028	D	D	D	D	D	0
30								

	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	(23-120)
S2 (FBP) = 2-Fluorobiphenyl	(30-115)
S3 (PHL) = Phenol-d5	(24-113)
S4 (2FP) = 2-Fluorophenol	(25-121)
S5 (TBP) = 2,4,6-Tribromophenol	(19-122)

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

SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: CHESTER LABNET

Client Sample No. : BLANK 1

Lab Sample ID: M93-6-118-001Y
2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC #	QC LIMITS REC.
Phenol	100	0.00	77.4	77.4	26-90
2-Chlorophenol	100	0.00	138.0	138.0 *	25-102
1,4-Dichlorobenzene	100	0.00	62.0	62.0	28-104
N-Nitroso-di-n-prop.(1)	100	0.00	109.0	109.0	41-126
1,2,4-Trichlorobenzene	100	0.00	114.0	114.0 *	38-107
4-Chloro-3-methylphenol	100	0.00	100.0	100.0	26-103
Acenaphthene	100	0.00	72.8	72.8	31-137
4-Nitrophenol	100	0.00	91.5	91.5	11-114
2,4-Dinitrotoluene	100	0.00	84.6	84.6	28-89
Pentachlorophenol	100	0.00	99.0	99.0	17-109
Pyrene	100	0.00	155.0	155.0 *	35-142

SOIL SEMIVOLATILE BLANK SPIKE RECOVERY

Lab Name: CHESTER LABNET

Client Sample No. : BLANK 2

Lab Sample ID: M93-6-118-00~~1~~ 2

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	BS CONCENTRATION (ug/kg)	BS % REC #	QC LIMITS REC.
Phenol	100	0.00	80.9	80.9	26-90
2-Chlorophenol	100	0.00	134.0	134.0 *	25-102
1,4-Dichlorobenzene	100	0.00	63.4	63.4	28-104
N-Nitroso-di-n-prop.(1)	100	0.00	112.0	112.0	41-126
1,2,4-Trichlorobenzene	100	0.00	147.0	147.0 *	38-107
4-Chloro-3-methylphenol	100	0.00	108.0	108.0 *	26-103
Acenaphthene	100	0.00	90.4	90.4	31-137
4-Nitrophenol	100	0.00	81.8	81.8	11-114
2,4-Dinitrotoluene	100	0.00	89.1	89.1 *	28-89
Pentachlorophenol	100	0.00	100.0	100.0	17-109
Pyrene	100	0.00	149.0	149.0 *	35-142

010719

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#3R

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-003

Sample wt/vol 10.0 (g/mL) G

Lab File ID: S707S01

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 96.6

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	3360	
218-01-9	Chrysene	2960	
205-99-2	Benzo(b)fluoranthene	2390	
207-08-9	Benzo(k)fluoranthene	970	J
50-32-8	Benzo(a)pyrene	1860	
193-39-5	Indeno(1,2,3-cd)pyrene	970	J
53-70-3	Dibenz(a,h)anthracene	155	J

010720

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#3R

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-003

Sample wt/vol 10.0 (g/mL) G

Lab File ID: S707S01

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 96.6

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

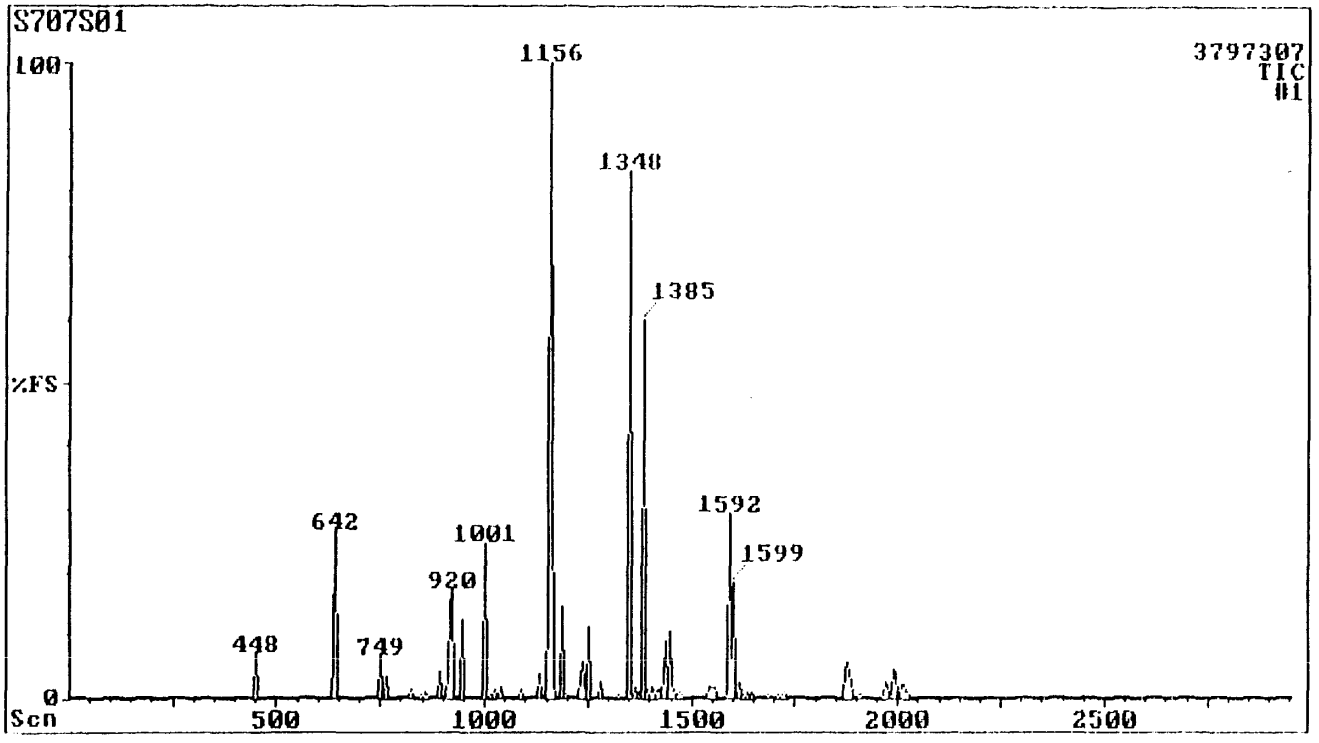
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	3570	
208-96-8	Acenaphthylene	419	J
83-32-9	Acenaphthene	1740	
86-73-7	Fluorene	2350	
85-01-8	Phenanthrene	10100	
120-12-7	Anthracene	3300	
206-44-0	Fluoranthene	9030	
129-00-0	Pyrene	7170	
56-55-3	Benzo(a)anthracene	3360	
218-01-9	Chrysene	2960	
205-99-2	Benzo(b)fluoranthene	2390	
207-08-9	Benzo(k)fluoranthene	970	J
50-32-8	Benzo(a)pyrene	1860	
193-39-5	Indeno(1,2,3-cd)pyrene	970	J
53-70-3	Dibenz(a,h)anthracene	155	J
191-24-2	Benzo(g,h,i)perylene	1020	J

INJ DATE:07/08/93 FILE:S707S01 total

INJ TIME:0101 SAMPLE:M93-6.118-003 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Quantitation Results

==========

Date : 07/08/93

Time : 0101

Datafile : S707S01

010722

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.230
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	34.438
4-CHLOROANILINE	13.390
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	7.853
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.043
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	4.069
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	16.796
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	12.953
2,4-DINITROTOLUENE	0.075
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	22.678
4-NITROANILINE	0.964
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.146

000011

010722

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	98.099
ANTHRACENE	31.780
CARBAZOLE	15.874
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	87.424
CHRYSENE-D12	20.000
PYRENE	69.330
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	32.585
CHRYSENE	28.646
BIS(2-ETHYLHEXYL)PHTHALATE	0.217
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	23.129
BENZO(K)FLUORANTHENE	9.421
BENZO(A)PYRENE	17.993
INDENO(1,2,3-CD)PYRENE	9.417
DIBENZ(A,H)ANTHRACENE	1.505
BENZO(G,H,I)PERYLENE	9.943

010723

010724

Datafile : S707S01

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	87368	145344
NAPHTHALENE-D8	180926	436772	723704
ACENAPHTHENE-D10	103502	270032	414008
PHENANTHRENE-D10	150776	440824	603104
CHRYSENE-D12	190726	467584	762904
PERYLENE-D12	70996	221568	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.76
NAPHTHALENE-D8	13.96	13.98
ACENAPHTHENE-D10	18.59	18.61
PHENANTHRENE-D10	22.61	22.61
CHRYSENE-D12	30.02	30.06
PERYLENE-D12	37.07	37.11

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	744
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBS 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000013

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010725

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#6R

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-004

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.2

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	2270	
218-01-9	Chrysene	2100	
205-99-2	Benzo(b)fluoranthene	1910	
207-08-9	Benzo(k)fluoranthene	716	
50-32-8	Benzo(a)pyrene	1430	
193-39-5	Indeno(1,2,3-cd)pyrene	826	
53-70-3	Dibenz(a,h)anthracene	218	J

010726

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#6R

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-004

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.2

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

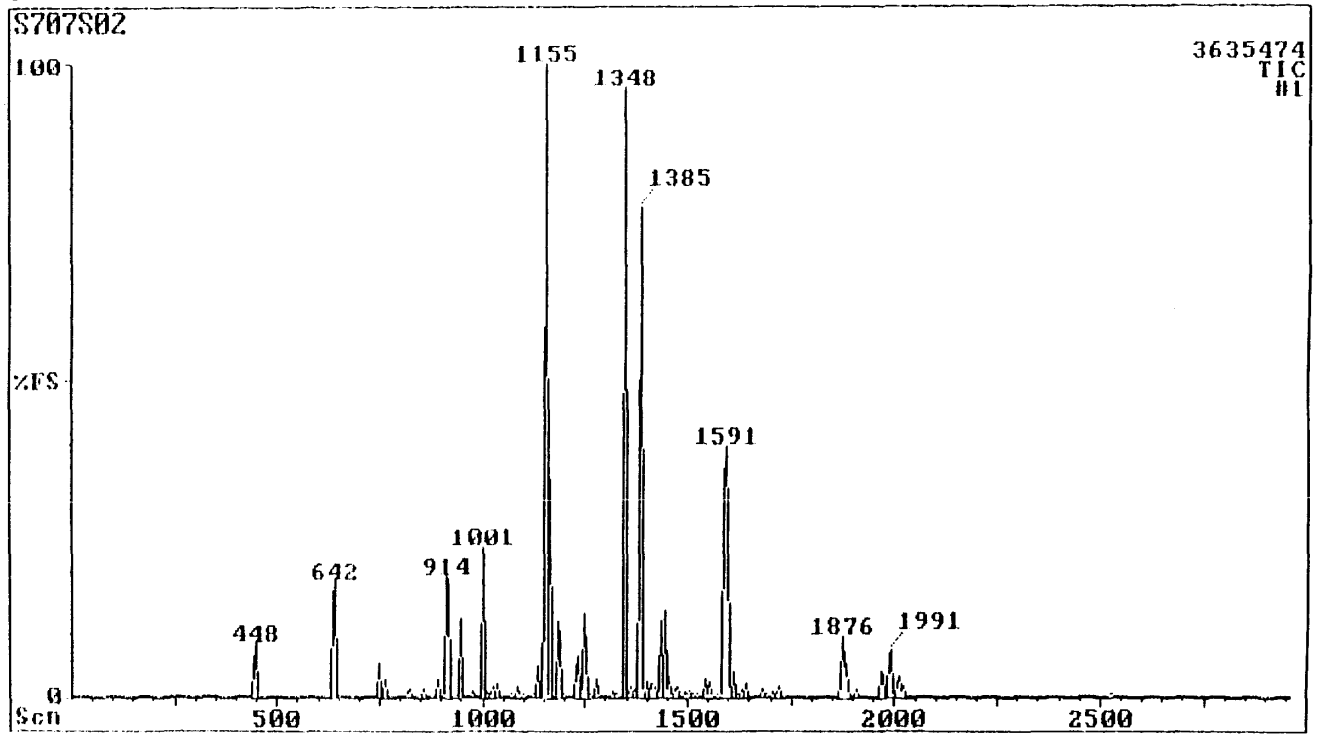
GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	1290	
208-96-8	Acenaphthylene	188	J
83-32-9	Acenaphthene	915	
86-73-7	Fluorene	1340	
85-01-8	Phenanthrene	6320	
120-12-7	Anthracene	1720	
206-44-0	Fluoranthene	6090	
129-00-0	Pyrene	4280	
56-55-3	Benzo(a)anthracene	2270	
218-01-9	Chrysene	2100	
205-99-2	Benzo(b)fluoranthene	1910	
207-08-9	Benzo(k)fluoranthene	716	
50-32-8	Benzo(a)pyrene	1430	
193-39-5	Indeno(1,2,3-cd)pyrene	826	
53-70-3	Dibenz(a,h)anthracene	218	J
191-24-2	Benzo(g,h,i)perylene	560	J

INJ DATE:07/08/93 FILE:S707S02

INJ TIME:0201 SAMPLE:M93-6.118-004 F.V=20ML (total X2000) DI SV-GCMS#1-TRIO-2



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010727

Quantitation Results

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Date : 07/08/93

Time : 0201

Datafile : S707S02

010728

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	19.098
4-CHLOROANILINE	6.788
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	5.524
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.000
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	2.797
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	13.496
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	11.201
2,4-DINITROTOLUENE	0.151
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	19.721
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.220

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010728

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	93.287
ANTHRACENE	25.378
CARBAZOLE	12.233
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	89.831
CHRYSENE-D12	20.000
PYRENE	63.184
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	33.545
CHRYSENE	30.966
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	28.129
BENZO(K)FLUORANTHENE	10.559
BENZO(A)PYRENE	21.153
INDENO(1,2,3-CD)PYRENE	12.177
DIBENZ(A,H)ANTHRACENE	3.242
BENZO(G,H,I)PERYLENE	8.330

010729

Datafile : S707S02

010730

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	95528	145344
NAPHTHALENE-D8	180926	525924	723704
ACENAPHTHENE-D10	103502	314736	414008
PHENANTHRENE-D10	150776	482960	603104
CHRYSENE-D12	190726	606520	762904
PERYLENE-D12	70996	281574	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.95
ACENAPHTHENE-D10	18.39	18.58
PHENANTHRENE-D10	22.61	22.57
CHRYSENE-D12	30.02	29.99
PERYLENE-D12	37.07	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)		0
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

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010731

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#50

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-005

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 91.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 500

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	422	
218-01-9	Chrysene	389	
205-99-2	Benzo(b)fluoranthene	360	
207-08-9	Benzo(k)fluoranthene	114	J
50-32-8	Benzo(a)pyrene	279	
193-39-5	Indeno(1,2,3-cd)pyrene	39.0	J
53-70-3	Dibenz(a,h)anthracene	181	U

010732

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#50

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-005

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 91.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

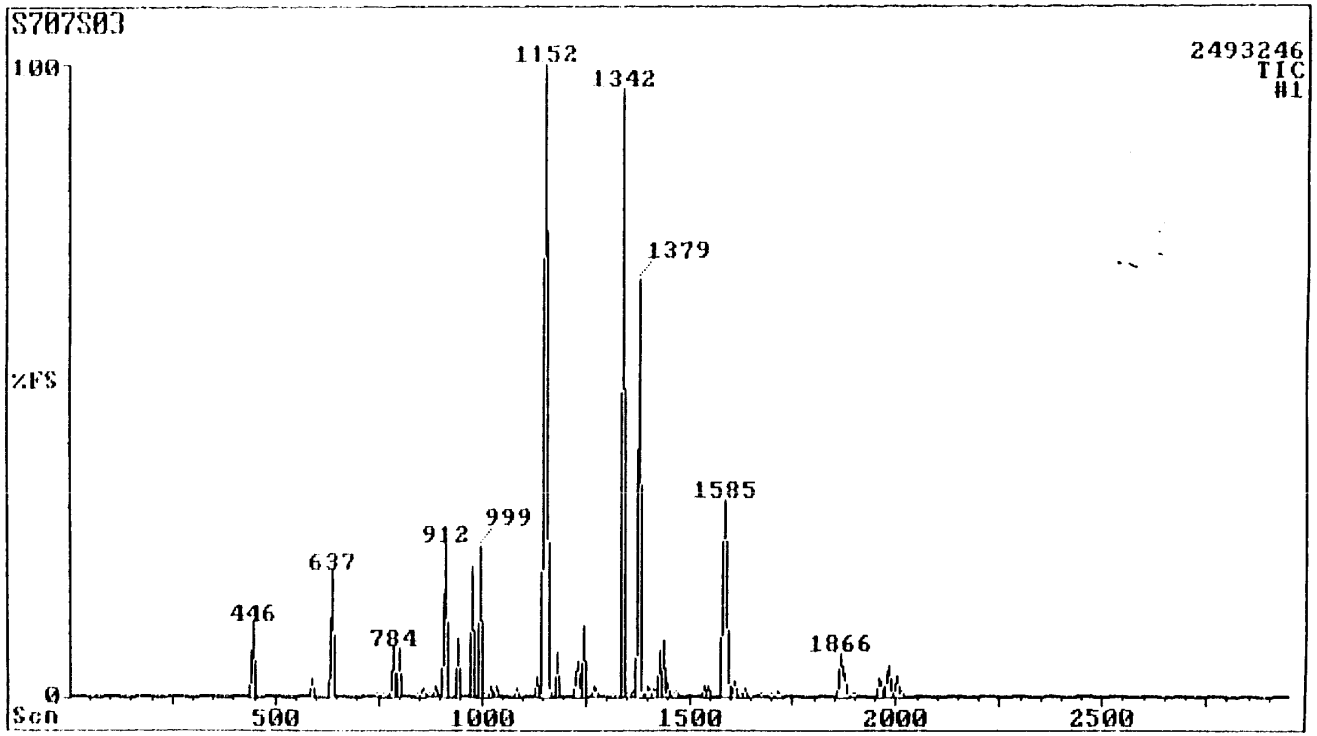
Dilution Factor: 500

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	32.0	J
208-96-8	Acenaphthylene	25.5	J
83-32-9	Acenaphthene	221	
86-73-7	Fluorene	280	
85-01-8	Phenanthrene	1190	
120-12-7	Anthracene	520	
206-44-0	Fluoranthene	1120	
129-00-0	Pyrene	891	
56-55-3	Benzo(a)anthracene	422	
218-01-9	Chrysene	389	
205-99-2	Benzo(b)fluoranthene	360	
207-08-9	Benzo(k)fluoranthene	114	J
50-32-8	Benzo(a)pyrene	279	
193-39-5	Indeno(1,2,3-cd)pyrene	39.0	J
53-70-3	Dibenz(a,h)anthracene	181	U
191-24-2	Benzo(g,h,i)perylene	83.2	J

010732

INJ DATE:07/08/93 FILE:S707S03

INJ TIME:0302 SAMPLE:M93-6.118-005 F.V=5ML X500 DILN SV-GCMS#1-TRIO-2



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010733

Quantitation Results

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Date : 07/08/93

Time : 0302

Datafile : S707S03

010734

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.766
4-CHLOROANILINE	0.649
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.724
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.103
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	1.409
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	11.986
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	7.546
2,4-DINITROTOLUENE	0.093
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	15.140
4-NITROANILINE	0.637
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.112

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HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	64.404
ANTHRACENE	28.081
CARBAZOLE	5.762
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	60.384
CHRYSENE-D12	20.000
PYRENE	48.121
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	22.813
CHRYSENE	21.010
BIS(2-ETHYLHEXYL)PHTHALATE	0.156
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	19.430
BENZO(K)FLUORANTHENE	6.326
BENZO(A)PYRENE	15.085
INDENO(1,2,3-CD)PYRENE	2.152
DIBENZ(A,H)ANTHRACENE	0.549
BENZO(G,H,I)PERYLENE	4.596

010735

Datafile : S707S03

010736

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	82896	145344
NAPHTHALENE-D8	180926	448604	723704
ACENAPHTHENE-D10	103502	256256	414008
PHENANTHRENE-D10	150776	422204	603104
CHRYSENE-D12	190726	430340	762904
PERYLENE-D12	70996	211340	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.97
ACENAPHTHENE-D10	18.59	18.62
PHENANTHRENE-D10	22.61	22.61
CHRYSENE-D12	30.02	30.02
PERYLENE-D12	37.07	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	1668
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

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010736

010737

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#51

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-009

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	401	
218-01-9	Chrysene	328	J
205-99-2	Benzo(b)fluoranthene	259	J
207-08-9	Benzo(k)fluoranthene	106	J
50-32-8	Benzo(a)pyrene	203	J
193-39-5	Indeno(1,2,3-cd)pyrene	144	J
53-70-3	Dibenz(a,h)anthracene	332	U

010737

010738

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#51

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-009

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

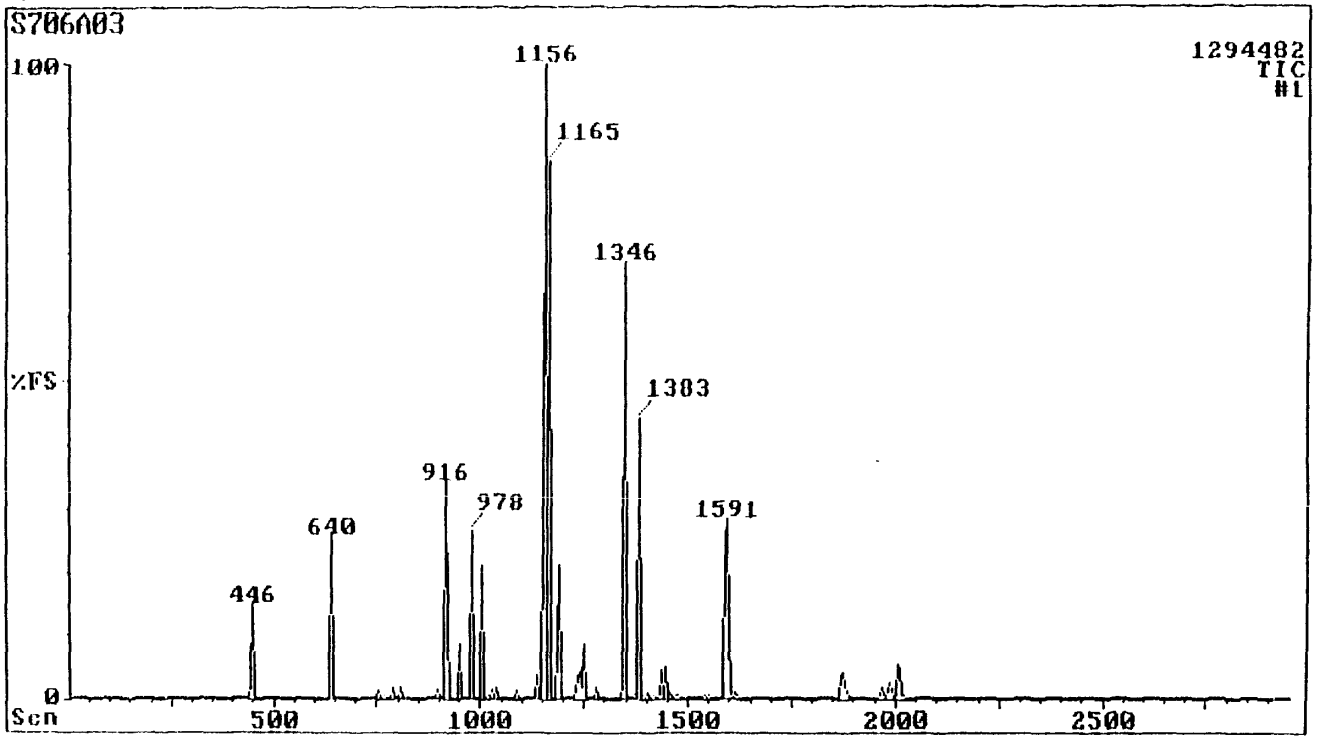
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	54.5	J
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	160	J
86-73-7	Fluorene	323	J
85-01-8	Phenanthrene	1770	
120-12-7	Anthracene	1210	
206-44-0	Fluoranthene	1090	
129-00-0	Pyrene	942	
56-55-3	Benzo(a)anthracene	401	
218-01-9	Chrysene	328	J
205-99-2	Benzo(b)fluoranthene	259	J
207-08-9	Benzo(k)fluoranthene	106	J
50-32-8	Benzo(a)pyrene	203	J
193-39-5	Indeno(1,2,3-cd)pyrene	144	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	123	J

INJ DATE:07/07/93 FILE:S706A03

INJ TIME:0225 SAMPLE:M93-6.118-009 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010739

010739

Quantitation Results

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Date : 07/07/93

Time : 0225

Datafile : S706A03

010740

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.642
4-CHLOROANILINE	0.465
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	1.027
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.000
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.712
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	4.813
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	4.233
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	9.731
4-NITROANILINE	0.334
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.046
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	0.000
PHENANTHRENE	52.734
ANTHRACENE	36.048
CARBAZOLE	12.048
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	32.393
CHRYSENE-D12	20.000
PYRENE	28.080
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	11.969
CHRYSENE	9.870
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	7.791
BENZO(K)FLUORANTHENE	3.190
BENZO(A)PYRENE	6.117
INDENO(1,2,3-CD)PYRENE	4.334
DIBENZ(A,H)ANTHRACENE	0.384
BENZO(G,H,I)PERYLENE	3.711

010741

Datafile : S706A03

010742

Internal Standard Area Summary

OMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	60916	127376
NAPHTHALENE-D8	175112	329092	700448
ACENAPHTHENE-D10	99342	193040	397368
PHENANTHRENE-D10	177170	308836	708680
CHRYSENE-D12	220796	291276	883184
PERYLENE-D12	94146	192584	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.73
NAPHTHALENE-D8	13.98	14.01
ACENAPHTHENE-D10	18.65	18.67
PHENANTHRENE-D10	22.63	22.65
CHRYSENE-D12	30.06	30.07
PERYLENE-D12	37.06	37.09

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)		0
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000031

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#52

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-010

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	258	J
218-01-9---------	Chrysene	205	J
205-99-2---------	Benzo(b)fluoranthene	149	J
207-08-9---------	Benzo(k)fluoranthene	65.4	J
50-32-8----------	Benzo(a)pyrene	108	J
193-39-5---------	Indeno(1,2,3-cd)pyrene	43.6	J
53-70-3----------	Dibenz(a,h)anthracene	332	U

010743.001

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#52

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-010

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

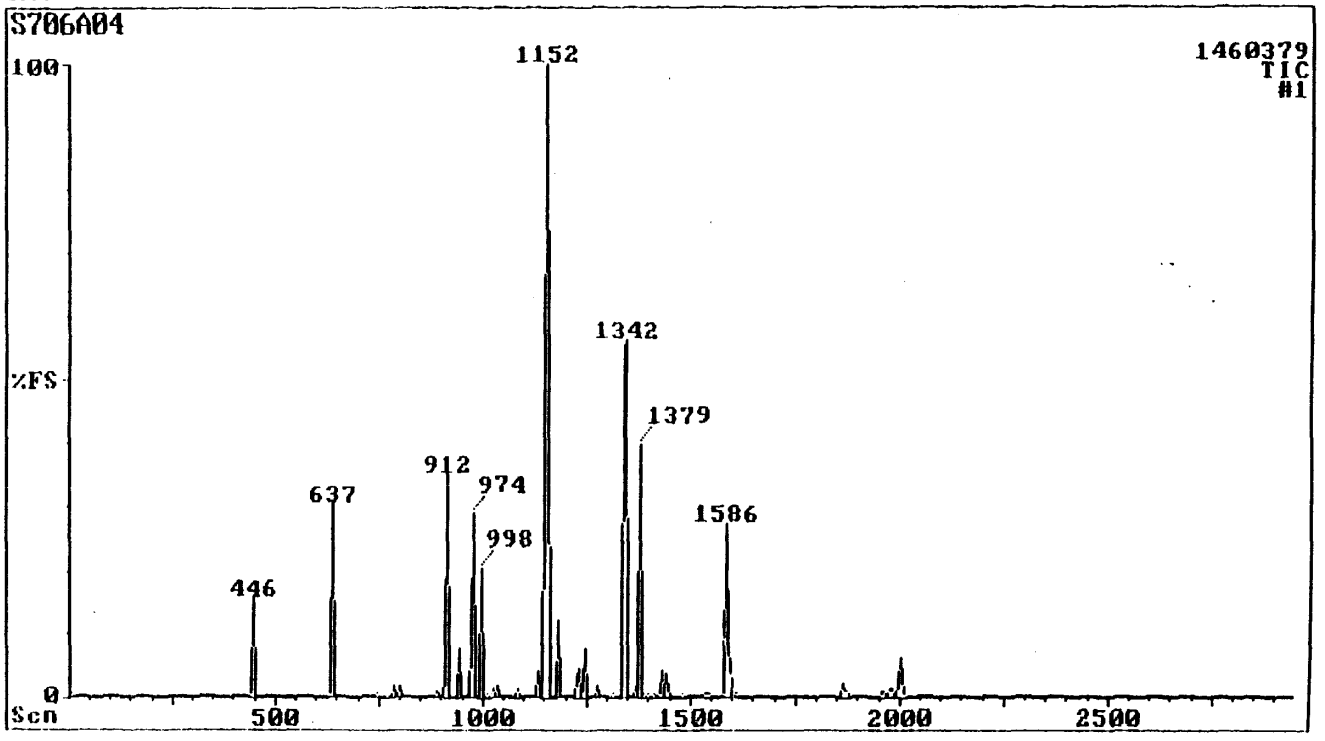
Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	130	J
86-73-7	Fluorene	270	J
85-01-8	Phenanthrene	1390	
120-12-7	Anthracene	654	
206-44-0	Fluoranthene	842	
129-00-0	Pyrene	745	
56-55-3	Benzo(a)anthracene	258	J
218-01-9	Chrysene	205	J
205-99-2	Benzo(b)fluoranthene	149	J
207-08-9	Benzo(k)fluoranthene	65.4	J
50-32-8	Benzo(a)pyrene	108	J
193-39-5	Indeno(1,2,3-cd)pyrene	43.6	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	68.2	J

010743.001

INJ DATE:07/07/93 FILE:S706A04

INJ TIME:0325 SAMPLE:M93-6.118-010 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Quantitation Results

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Date : 07/07/93

Time : 0325

Datafile : S706A04

010745

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.649
4-CHLOROANILINE	0.134
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.554
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.022
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.717
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	3.929
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	3.932
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	8.119
4-NITROANILINE	0.269
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.038
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

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PENTACHLOROPHENOL	0.200
PHENANTHRENE	41.445
ANTHRACENE	19.453
CARBAZOLE	5.961
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	25.135
CHRYSENE-D12	20.000
PYRENE	22.173
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	7.784
CHRYSENE	6.187
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	4.478
BENZO(K)FLUORANTHENE	1.969
BENZO(A)PYRENE	3.241
INDENO(1,2,3-CD)PYRENE	1.313
DIBENZ(A,H)ANTHRACENE	0.041
BENZO(G,H,I)PERYLENE	2.054

010746

Datafile : S706A04

010747

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	72664	127376
NAPHTHALENE-D8	175112	397808	700448
ACENAPHTHENE-D10	99342	221324	397368
PHENANTHRENE-D10	177170	392520	708680
CHRYSENE-D12	220796	340088	883184
PERYLENE-D12	94146	217224	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.75
NAPHTHALENE-D8	13.98	13.98
ACENAPHTHENE-D10	18.65	18.64
PHENANTHRENE-D10	22.63	22.63
CHRYSENE-D12	30.06	30.04
PERYLENE-D12	37.06	37.07

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	356
2,4,6-TRIBROMOPHENOL	0	0.0	(19-123)		0

Diluted 500
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010748

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#53

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-011

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	253	J
218-01-9	Chrysene	210	J
205-99-2	Benzo(b)fluoranthene	138	J
207-08-9	Benzo(k)fluoranthene	55.6	J
50-32-8	Benzo(a)pyrene	98.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	59.1	J
53-70-3	Dibenz(a,h)anthracene	333	U

010749

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#53

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-011

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

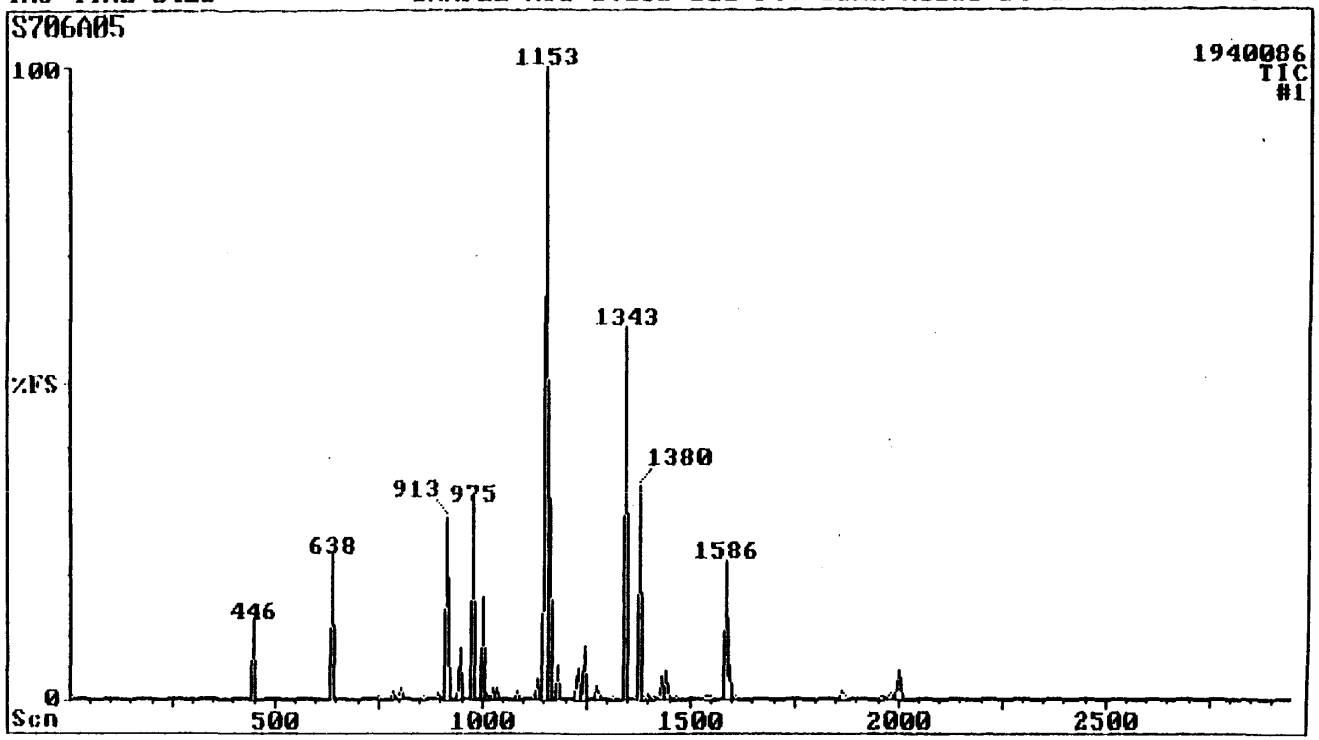
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	333	U
208-96-8	Acenaphthylene	333	U
83-32-9	Acenaphthene	172	J
86-73-7	Fluorene	268	J
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	483	
206-44-0	Fluoranthene	994	
129-00-0	Pyrene	883	
56-55-3	Benzo(a)anthracene	253	J
218-01-9	Chrysene	210	J
205-99-2	Benzo(b)fluoranthene	138	J
207-08-9	Benzo(k)fluoranthene	55.6	J
50-32-8	Benzo(a)pyrene	98.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	59.1	J
53-70-3	Dibenz(a,h)anthracene	333	U
191-24-2	Benzo(g,h,i)perylene	333	U

INJ DATE:07/07/93 FILE:S706A05

INJ TIME:0425 SAMPLE:M93-6.118-011 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010750

Quantitation Results

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Date : 07/07/93

Time : 0425

Datafile : S706A05

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.663
4-CHLOROANILINE	0.168
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.541
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.021
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.619
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	5.182
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	4.833
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	8.065
4-NITROANILINE	0.290
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.066
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

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PENTACHLOROPHENOL	0.000
PHENANTHRENE	50.555
ANTHRACENE	14.340
CARBAZOLE	3.334
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	29.509
CHRYSENE-D12	20.000
PYRENE	26.220
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	7.588
CHRYSENE	6.299
BIS(2-ETHYLHEXYL)PHTHALATE	0.041
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	4.159
BENZO(K)FLUORANTHENE	1.669
BENZO(A)PYRENE	2.952
INDENO(1,2,3-CD)PYRENE	1.774
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.842

010752

Datafile : S706A05

010753

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	75212	127376
NAPHTHALENE-D8	175112	401144	700448
ACENAPHTHENE-D10	99342	241728	397368
PHENANTHRENE-D10	177170	412048	708680
CHRYSENE-D12	220796	367000	883184
PERYLENE-D12	94146	226852	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.75
NAPHTHALENE-D8	13.98	14.00
ACENAPHTHENE-D10	18.65	18.65
PHENANTHRENE-D10	22.63	22.65
CHRYSENE-D12	30.06	30.04
PERYLENE-D12	37.06	37.07

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	372
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010754

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#54

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-012

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	78.8	J
218-01-9	Chrysene	70.3	J
205-99-2	Benzo(b)fluoranthene	48.5	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	34.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	332	U
53-70-3	Dibenz(a,h)anthracene	332	U

000044

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#54

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-012

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

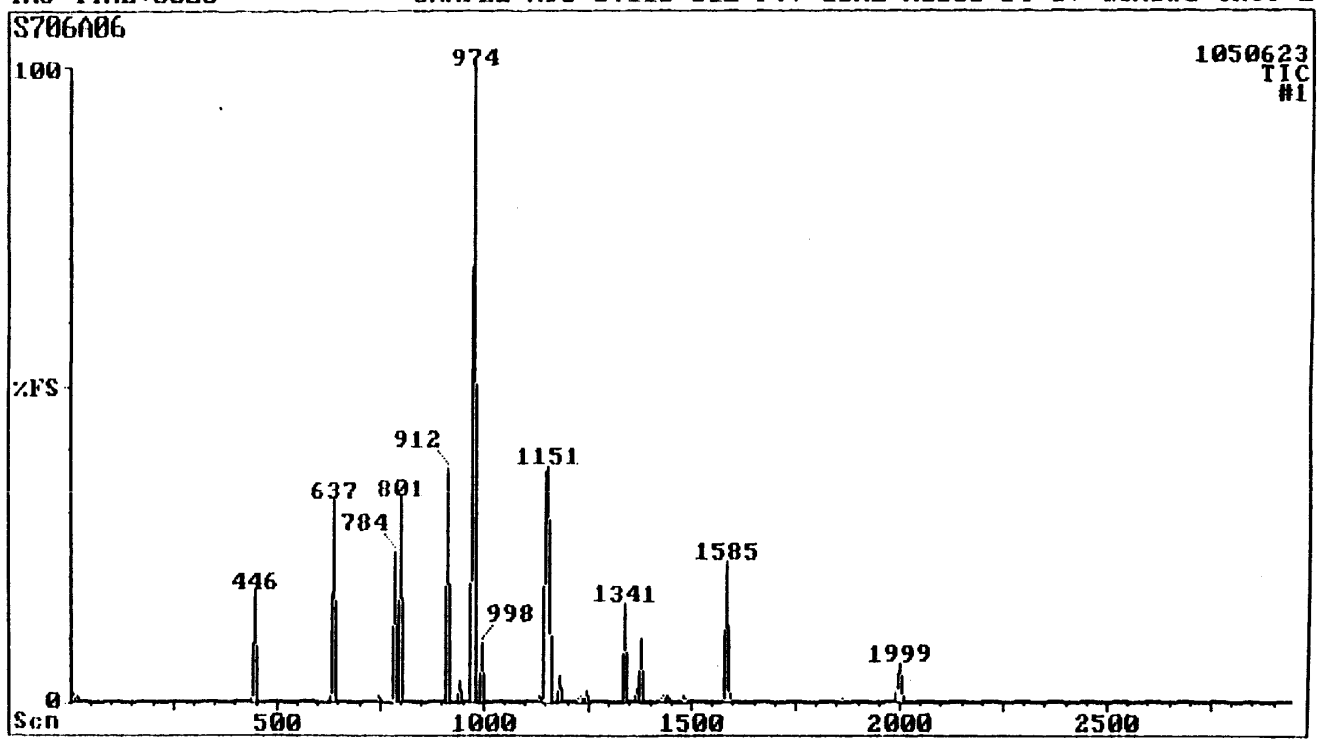
Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	67.8	J
86-73-7	Fluorene	102	J
85-01-8	Phenanthrene	434	
120-12-7	Anthracene	248	J
206-44-0	Fluoranthene	198	J
129-00-0	Pyrene	206	J
56-55-3	Benzo(a)anthracene	78.8	J
218-01-9	Chrysene	70.3	J
205-99-2	Benzo(b)fluoranthene	48.5	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	34.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	332	U
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/07/93 FILE:S706A06
INJ TIME:0525 SAMPLE:M93-6.118-012 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Quantitation Results

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Date : 07/07/93

Time : 0525

Datafile : S706A06

010757

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.726
4-CHLOROANILINE	0.210
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.553
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.028
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.187
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	2.041
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	1.807
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	3.088
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000047

PENTACHLOROPHENOL	0.000
PHENANTHRENE	12.937
ANTHRACENE	7.462
CARBAZOLE	2.129
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	5.971
CHRYSENE-D12	20.000
PYRENE	6.222
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.372
CHRYSENE	2.118
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.461
BENZO(K)FLUORANTHENE	0.526
BENZO(A)PYRENE	1.024
INDENO(1,2,3-CD)PYRENE	0.194
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.105

010758

Datafile : S706A06

010759

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	67172	127376
NAPHTHALENE-D8	175112	332268	700448
ACENAPHTHENE-D10	99342	193700	397368
PHENANTHRENE-D10	177170	310008	708680
CHRYSENE-D12	220796	239280	883184
PERYLENE-D12	94146	172948	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.75
NAPHTHALENE-D8	13.98	13.99
ACENAPHTHENE-D10	18.65	18.63
PHENANTHRENE-D10	22.63	22.62
CHRYSENE-D12	30.06	30.02
PERYLENE-D12	37.06	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	~~0.0~~	~~(25-121)~~		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	~~(23-120)~~		0
2-FLUOROBIPHENYL	0	0.0	~~(30-115)~~	bb	388
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
F30 7/7/99

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000049

010760

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#55

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-013

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	88.9	J
218-01-9	Chrysene	89.9	J
205-99-2	Benzo(b)fluoranthene	54.3	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	40.1	J
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

000050

010761

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#55

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-013

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

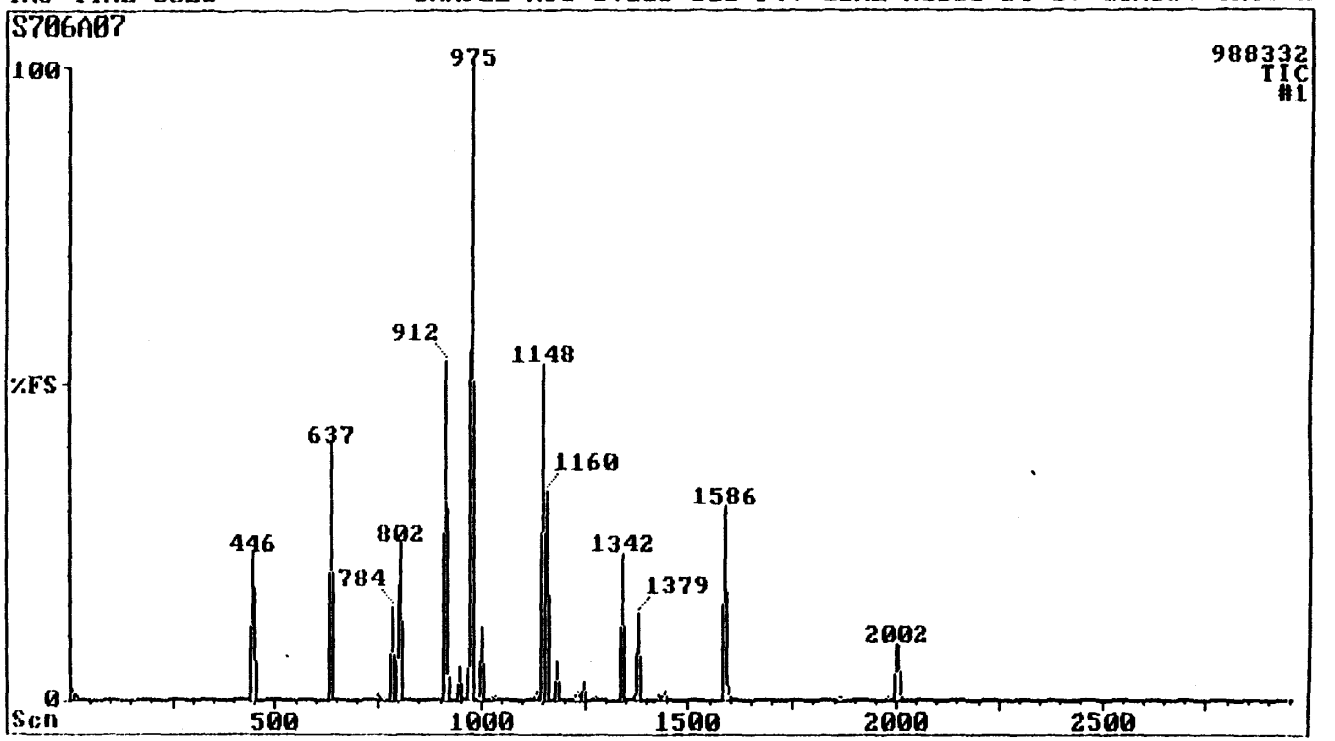
Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	69.5	J
86-73-7	Fluorene	106	J
85-01-8	Phenanthrene	487	
120-12-7	Anthracene	285	J
206-44-0	Fluoranthene	231	J
129-00-0	Pyrene	214	J
56-55-3	Benzo(a)anthracene	88.9	J
218-01-9	Chrysene	89.9	J
205-99-2	Benzo(b)fluoranthene	54.3	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	40.1	J
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/07/93 FILE:S706A07
INJ TIME:0626 SAMPLE:M93-6.118-013 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010762

010762

Quantitation Results

Date : 07/07/93

Time : 0626

Datafile : S706A07

010763

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.690
4-CHLOROANILINE	0.173
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.534
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.023
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.176
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	2.099
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	1.823
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	3.191
4-NITROANILINE	0.113
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	0.000
PHENANTHRENE	14.561
ANTHRACENE	8.622
CARBAZOLE	2.591
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	6.991
CHRYSENE-D12	20.000
PYRENE	6.477
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.685
CHRYSENE	2.717
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.641
BENZO(K)FLUORANTHENE	0.627
BENZO(A)PYRENE	1.217
INDENO(1,2,3-CD)PYRENE	0.686
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.289

010764

Datafile : S706A07

010765

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	70420	127376
NAPHTHALENE-D8	175112	362464	700448
ACENAPHTHENE-D10	99342	244144	397368
PHENANTHRENE-D10	177170	372596	708680
CHRYSENE-D12	220796	310372	883184
PERYLENE-D12	94146	220380	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.72
NAPHTHALENE-D8	13.98	13.94
ACENAPHTHENE-D10	18.65	18.57
PHENANTHRENE-D10	22.63	22.55
CHRYSENE-D12	30.06	29.93
PERYLENE-D12	37.06	36.94

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	412
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010766

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#56

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-014

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	159	J
205-99-2	Benzo(b)fluoranthene	109	J
207-08-9	Benzo(k)fluoranthene	41.6	J
50-32-8	Benzo(a)pyrene	56.1	J
193-39-5	Indeno(1,2,3-cd)pyrene	58.9	J
53-70-3	Dibenz(a,h)anthracene	332	U

010766

010767

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#56

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-014

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

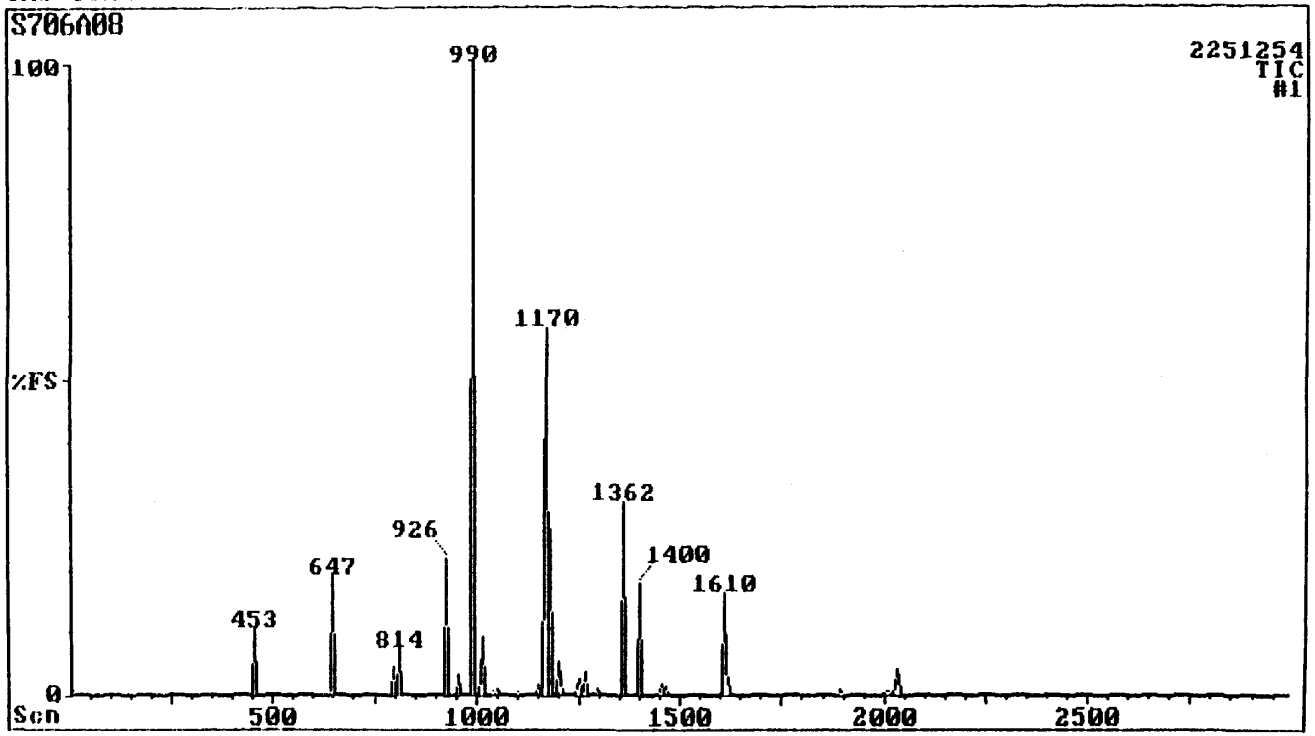
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	82.9	J
86-73-7	Fluorene	174	J
85-01-8	Phenanthrene	1060	
120-12-7	Anthracene	505	
206-44-0	Fluoranthene	579	
129-00-0	Pyrene	528	
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	159	J
205-99-2	Benzo(b)fluoranthene	109	J
207-08-9	Benzo(k)fluoranthene	41.6	J
50-32-8	Benzo(a)pyrene	56.1	J
193-39-5	Indeno(1,2,3-cd)pyrene	58.9	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/07/93 FILE:S706A08

INJ TIME:0726 SAMPLE:M93-6.118-014 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010768

010768

Quantitation Results

Date : 07/07/93

Time : 0726

Datafile : S706A08

010769

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.433
4-CHLOROANILINE	0.102
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.326
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.045
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.375
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	2.498
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	2.507
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	5.255
4-NITROANILINE	0.194
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.025
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	0.000
PHENANTHRENE	31.439
ANTHRACENE	15.060
CARBAZOLE	3.664
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	17.253
CHRYSENE-D12	20.000
PYRENE	15.722
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	5.732
CHRYSENE	4.787
BIS(2-ETHYLHEXYL)PHTHALATE	0.048
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	3.287
BENZO(K)FLUORANTHENE	1.252
BENZO(A)PYRENE	1.690
INDENO(1,2,3-CD)PYRENE	1.774
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.859

010770

Datafile : S706A08

010771

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	75232	127376
NAPHTHALENE-D8	175112	394792	700448
ACENAPHTHENE-D10	99342	237976	397368
PHENANTHRENE-D10	177170	407740	708680
CHRYSENE-D12	220796	330692	883184
PERYLENE-D12	94146	234344	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.75
NAPHTHALENE-D8	13.98	13.99
ACENAPHTHENE-D10	18.65	18.64
PHENANTHRENE-D10	22.63	22.64
CHRYSENE-D12	30.06	30.04
PERYLENE-D12	37.06	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	772
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000061

010772

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#57

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-015

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	97.4	J
218-01-9---------	Chrysene	74.4	J
205-99-2---------	Benzo(b)fluoranthene	47.1	J
207-08-9---------	Benzo(k)fluoranthene	332	U
50-32-8----------	Benzo(a)pyrene	37.5	J
193-39-5---------	Indeno(1,2,3-cd)pyrene	332	U
53-70-3----------	Dibenz(a,h)anthracene	332	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#57

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-015

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

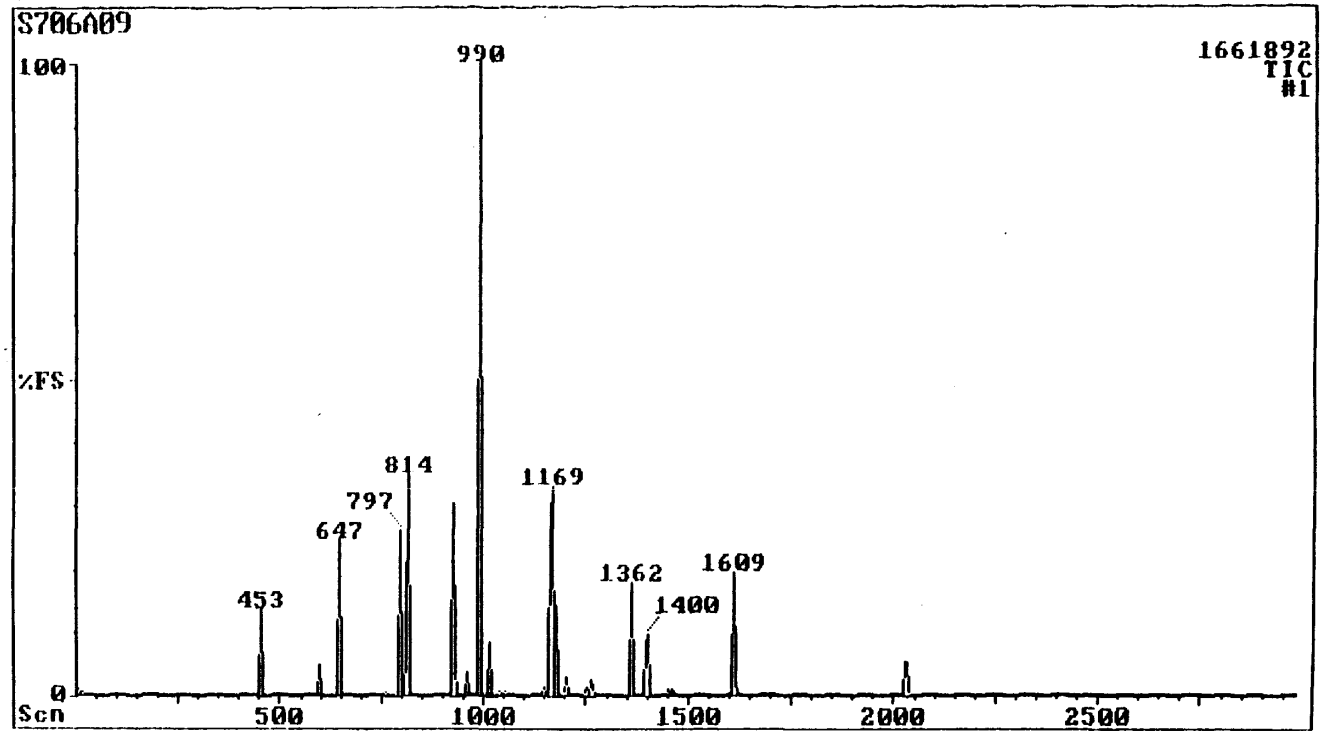
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	72.6	J
86-73-7	Fluorene	119	J
85-01-8	Phenanthrene	534	
120-12-7	Anthracene	216	J
206-44-0	Fluoranthene	259	J
129-00-0	Pyrene	240	J
56-55-3	Benzo(a)anthracene	97.4	J
218-01-9	Chrysene	74.4	J
205-99-2	Benzo(b)fluoranthene	47.1	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	37.5	J
193-39-5	Indeno(1,2,3-cd)pyrene	332	U
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/07/93 FILE:S706A09

INJ TIME:0826 SAMPLE:M93-6.118-015 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010774

Quantitation Results

Date : 07/07/93

Time : 0826

Datafile : S706A09

010775

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.595
4-CHLOROANILINE	0.162
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.530
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.049
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.237
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	2.187
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	1.911
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	3.586
4-NITROANILINE	0.151
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.027
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	0.000
PHENANTHRENE	15.918
ANTHRACENE	6.508
CARBAZOLE	2.001
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	7.798
CHRYSENE-D12	20.000
PYRENE	7.234
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.936
CHRYSENE	2.242
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.420
BENZO(K)FLUORANTHENE	0.598
BENZO(A)PYRENE	1.130
INDENO(1,2,3-CD)PYRENE	0.755
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.602

010776

Datafile : S706A09

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Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	71720	127376
NAPHTHALENE-D8	175112	358124	700448
ACENAPHTHENE-D10	99342	241120	397368
PHENANTHRENE-D10	177170	403844	708680
CHRYSENE-D12	220796	319192	883184
PERYLENE-D12	94146	226048	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.77
NAPHTHALENE-D8	13.98	14.01
ACENAPHTHENE-D10	18.65	18.67
PHENANTHRENE-D10	22.63	22.66
CHRYSENE-D12	30.06	30.08
PERYLENE-D12	37.06	37.11

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	852
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010778

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#58

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-016

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A10

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.8

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	292	J
218-01-9	Chrysene	243	J
205-99-2	Benzo(b)fluoranthene	159	J
207-08-9	Benzo(k)fluoranthene	70.5	J
50-32-8	Benzo(a)pyrene	122	J
193-39-5	Indeno(1,2,3-cd)pyrene	95.6	J
53-70-3	Dibenz(a,h)anthracene	334	U

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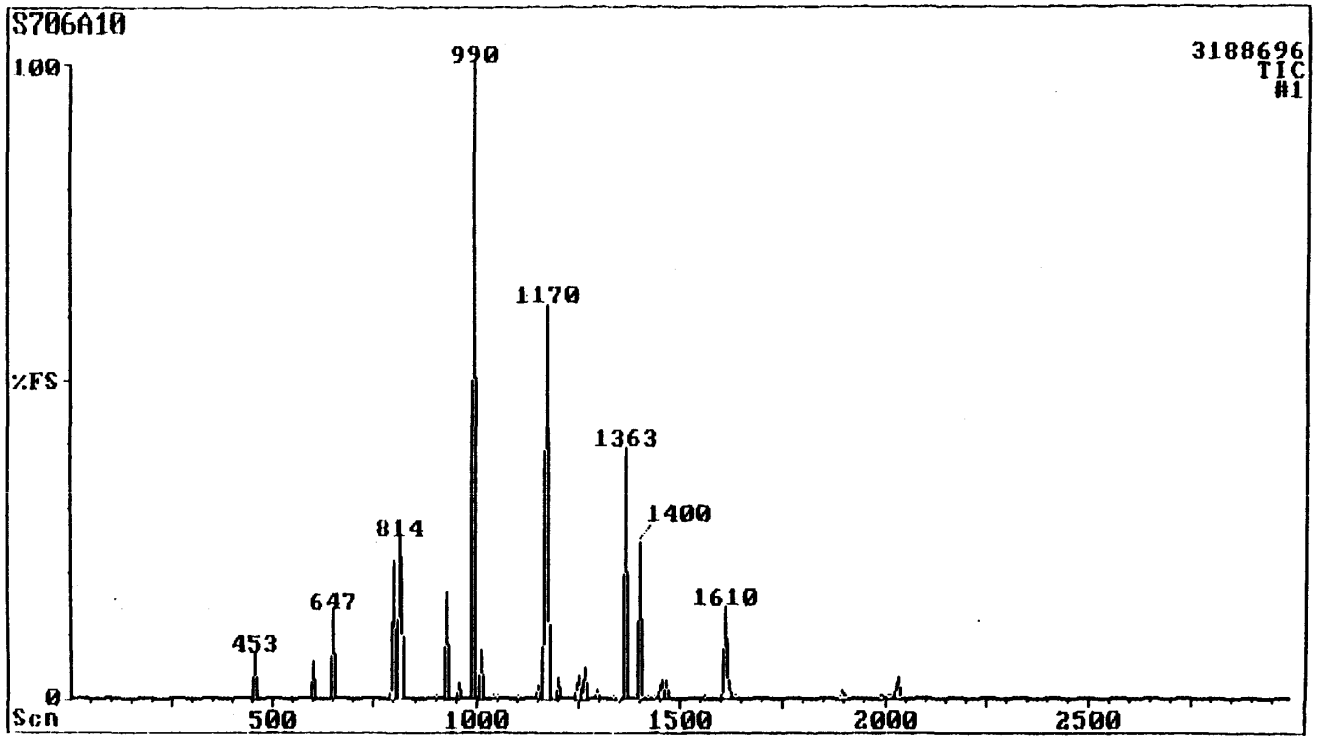
INJ DATE:07/07/93 FILE:S706A10

INJ TIME:0927 SAMPLE:M93-6.118-016 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Quantitation Results

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Date : 07/07/93

Time : 0927

Datafile : S706A10

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Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.075
4-CHLOROANILINE	0.323
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.673
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.024
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.736
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	3.074
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	2.823
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	5.763
4-NITROANILINE	0.257
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.072
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

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PENTACHLOROPHENOL	0.000
PHENANTHRENE	52.478
ANTHRACENE	17.452
CARBAZOLE	3.411
DI-N-BUTYLPHTHALATE	0.009
FLUORANTHENE	34.993
CHRYSENE-D12	20.000
PYRENE	26.885
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	8.756
CHRYSENE	7.266
BIS(2-ETHYLHEXYL)PHTHALATE	0.105
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	4.763
BENZO(K)FLUORANTHENE	2.112
BENZO(A)PYRENE	3.661
INDENO(1,2,3-CD)PYRENE	2.863
DIBENZ(A,H)ANTHRACENE	0.198
BENZO(G,H,I)PERYLENE	1.312

010781

Datafile : S706A10

010782

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	73936	127376
NAPHTHALENE-D8	175112	378772	700448
ACENAPHTHENE-D10	99342	247968	397368
PHENANTHRENE-D10	177170	411484	708680
CHRYSENE-D12	220796	398164	883184
PERYLENE-D12	94146	256352	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.75
NAPHTHALENE-D8	13.98	13.98
ACENAPHTHENE-D10	18.65	18.63
PHENANTHRENE-D10	22.63	22.64
CHRYSENE-D12	30.06	30.04
PERYLENE-D12	37.06	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	424
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#59

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-017

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	242	J
218-01-9	Chrysene	194	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	58.6	J
50-32-8	Benzo(a)pyrene	109	J
193-39-5	Indeno(1,2,3-cd)pyrene	87.0	J
53-70-3	Dibenz(a,h)anthracene	332	U

010784

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#59

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-017

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706A11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

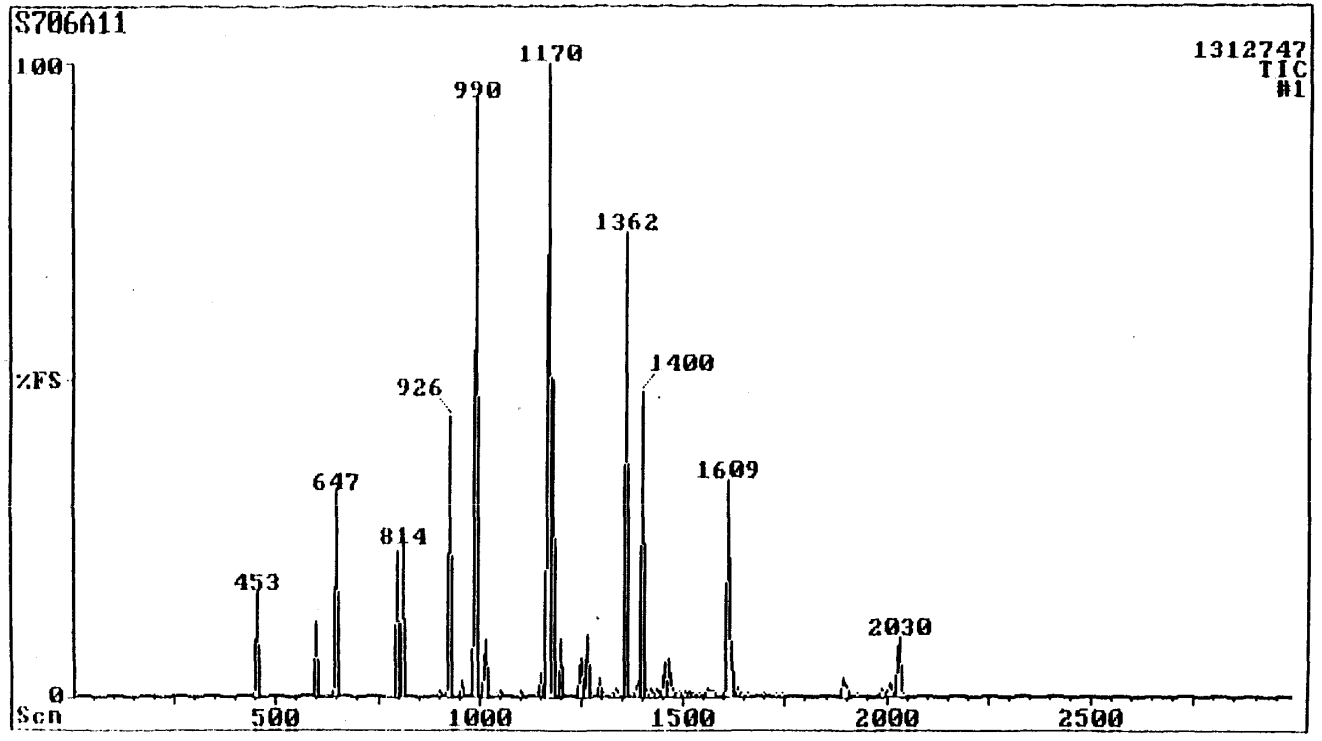
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	332	U
86-73-7	Fluorene	96.1	J
85-01-8	Phenanthrene	1170	
120-12-7	Anthracene	552	
206-44-0	Fluoranthene	851	
129-00-0	Pyrene	670	
56-55-3	Benzo(a)anthracene	242	J
218-01-9	Chrysene	194	J
205-99-2	Benzo(b)fluoranthene	160	J
207-08-9	Benzo(k)fluoranthene	58.6	J
50-32-8	Benzo(a)pyrene	109	J
193-39-5	Indeno(1,2,3-cd)pyrene	87.0	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/07/93 FILE:S706A11

INJ TIME:1027 SAMPLE:M93-6.118-017 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Quantitation Results

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Date : 07/07/93

Time : 1027

Datafile : S706A11

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Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.596
4-CHLOROANILINE	0.205
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.318
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.030
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.601
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.967
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	1.256
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	2.895
4-NITROANILINE	0.062
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	0.000
PHENANTHRENE	34.878
ANTHRACENE	16.444
CARBAZOLE	4.097
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	25.368
CHRYSENE-D12	20.000
PYRENE	19.975
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	7.305
CHRYSENE	5.854
BIS(2-ETHYLHEXYL)PHTHALATE	0.079
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	4.812
BENZO(K)FLUORANTHENE	1.764
BENZO(A)PYRENE	3.290
INDENO(1,2,3-CD)PYRENE	2.622
DIBENZ(A,H)ANTHRACENE	0.375
BENZO(G,H,I)PERYLENE	0.536

010787

Datafile : S706A11

010788

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	74980	127376
NAPHTHALENE-D8	175112	394840	700448
ACENAPHTHENE-D10	99342	249024	397368
PHENANTHRENE-D10	177170	411840	708680
CHRYSENE-D12	220796	418156	883184
PERYLENE-D12	94146	255928	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.73
NAPHTHALENE-D8	13.98	13.98
ACENAPHTHENE-D10	18.65	18.63
PHENANTHRENE-D10	22.63	22.64
CHRYSENE-D12	30.06	30.04
PERYLENE-D12	37.06	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	536
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTION OCD
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010789

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#60

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-018

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B01

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	174	J
218-01-9	Chrysene	144	J
205-99-2	Benzo(b)fluoranthene	64.9	J
207-08-9	Benzo(k)fluoranthene	33.6	J
50-32-8	Benzo(a)pyrene	55.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	43.9	J
53-70-3	Dibenz(a,h)anthracene	332	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#60

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-018

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B01

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.3

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

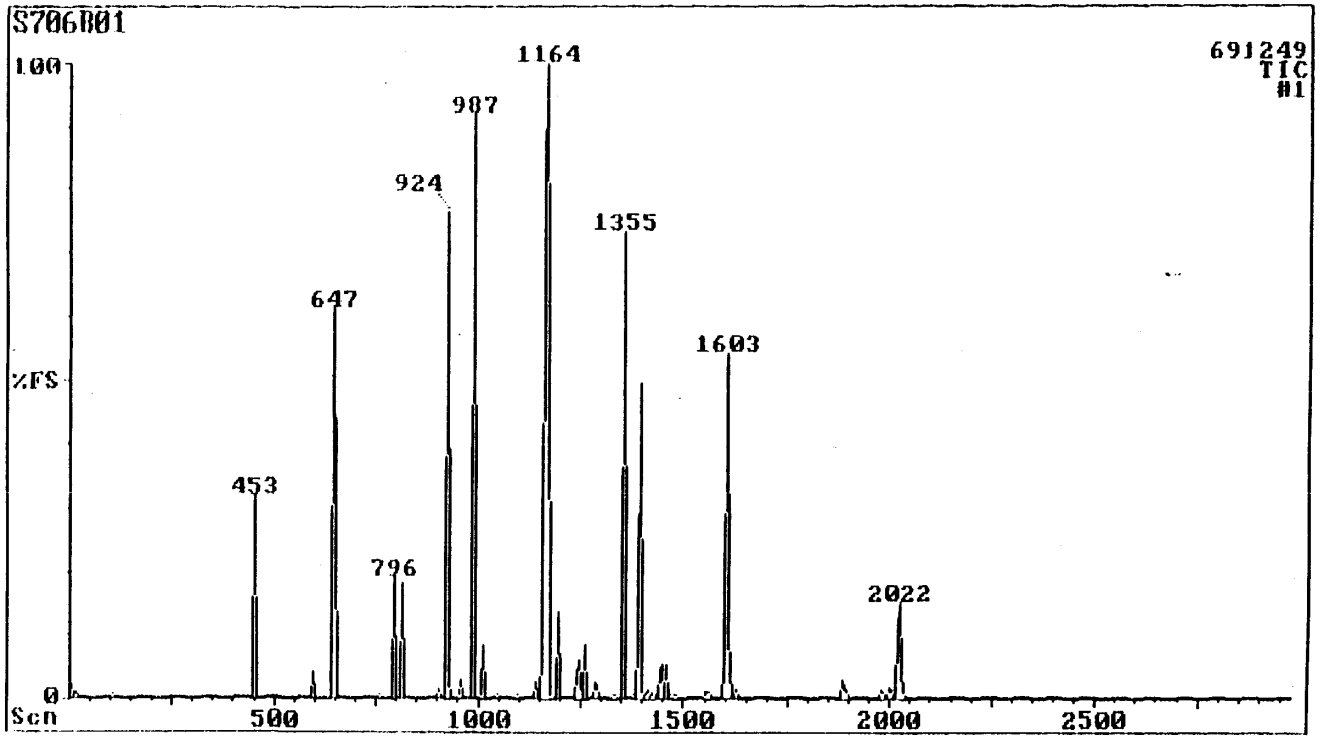
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	332	U
86-73-7	Fluorene	70.7	J
85-01-8	Phenanthrene	670	
120-12-7	Anthracene	423	
206-44-0	Fluoranthene	513	
129-00-0	Pyrene	471	
56-55-3	Benzo(a)anthracene	174	J
218-01-9	Chrysene	144	J
205-99-2	Benzo(b)fluoranthene	64.9	J
207-08-9	Benzo(k)fluoranthene	33.6	J
50-32-8	Benzo(a)pyrene	55.3	J
193-39-5	Indeno(1,2,3-cd)pyrene	43.9	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	39.7	J

INJ DATE:07/07/93 FILE:S706B01

INJ TIME:1241 SAMPLE:M93-6.118-018 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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Datafile : S706B01

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	71720	151520
NAPHTHALENE-D8	202960	385892	811840
ACENAPHTHENE-D10	125016	233856	500064
PHENANTHRENE-D10	200256	408196	801024
CHRYSENE-D12	269936	368212	1079744
PERYLENE-D12	99438	271008	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.78
NAPHTHALENE-D8	13.98	14.03
ACENAPHTHENE-D10	18.65	18.66
PHENANTHRENE-D10	22.64	22.61
CHRYSENE-D12	30.05	30.03
PERYLENE-D12	37.04	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	492
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000083

Quantitation Results

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Date : 07/07/93

Time : 1241

Datafile : S706B01

010793

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.465
4-CHLOROANILINE	0.125
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.242
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.035
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.419
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.754
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.947
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	2.130
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000084

PENTACHLOROPHENOL	0.000
PHENANTHRENE	19.958
ANTHRACENE	12.591
CARBAZOLE	3.350
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	15.296
CHRYSENE-D12	20.000
PYRENE	14.023
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	5.249
CHRYSENE	4.350
BIS(2-ETHYLHEXYL)PHTHALATE	0.022
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.955
BENZO(K)FLUORANTHENE	1.013
BENZO(A)PYRENE	1.667
INDENO(1,2,3-CD)PYRENE	1.323
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	1.196

010794

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#61

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-019

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	62.8	J
218-01-9	Chrysene	48.5	J
205-99-2	Benzo(b)fluoranthene	40.1	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

010796

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#61

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-019

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

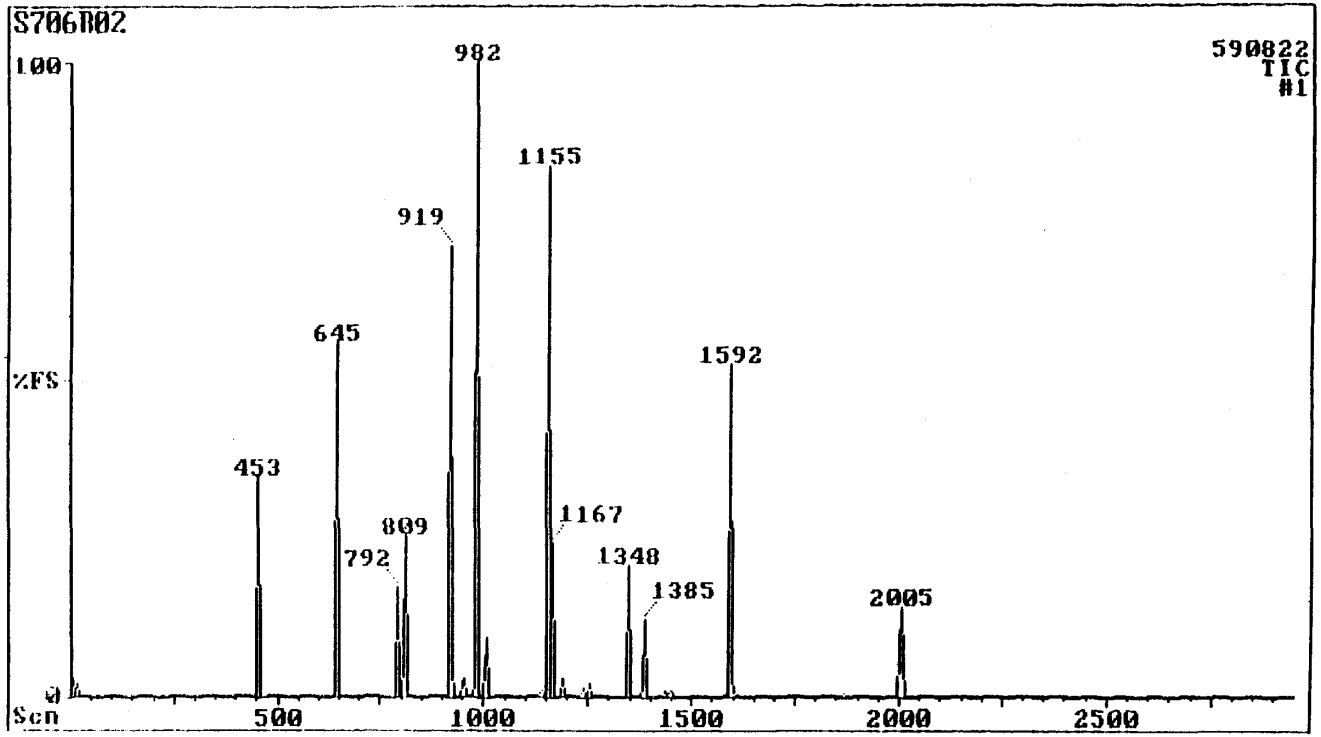
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	37.6	J
86-73-7	Fluorene	63.0	J
85-01-8	Phenanthrene	268	J
120-12-7	Anthracene	142	J
206-44-0	Fluoranthene	133	J
129-00-0	Pyrene	134	J
56-55-3	Benzo(a)anthracene	62.8	J
218-01-9	Chrysene	48.5	J
205-99-2	Benzo(b)fluoranthene	40.1	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/07/93 FILE:S706B02

INJ TIME:1342 SAMPLE:M93-6.118-019 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010797

010797

Quantitation Results

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Date : 07/07/93

Time : 1342

Datafile : S706B02

010798

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.245
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.206
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.040
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.109
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	1.136
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	1.019
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	1.902
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000089

PENTACHLOROPHENOL	0.000
PHENANTHRENE	8.109
ANTHRACENE	4.293
CARBAZOLE	1.078
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	4.034
CHRYSENE-D12	20.000
PYRENE	4.061
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	1.896
CHRYSENE	1.465
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.211
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.532
INDENO(1,2,3-CD)PYRENE	0.144
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010799

Datafile : S706B02

010800

Internal Standard Area Summary

OMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	65744	151520
NAPHTHALENE-D8	202960	332496	811840
ACENAPHTHENE-D10	125016	224800	500064
PHENANTHRENE-D10	200256	375188	801024
CHRYSENE-D12	269936	326072	1079744
PERYLENE-D12	99438	216576	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.85
NAPHTHALENE-D8	13.98	14.10
ACENAPHTHENE-D10	18.65	18.72
PHENANTHRENE-D10	22.64	22.71
CHRYSENE-D12	30.05	30.09
PERYLENE-D12	37.04	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	540
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000091

010801

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#62

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-020

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.8

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	368	
218-01-9	Chrysene	304	J
205-99-2	Benzo(b)fluoranthene	208	J
207-08-9	Benzo(k)fluoranthene	75.2	J
50-32-8	Benzo(a)pyrene	146	J
193-39-5	Indeno(1,2,3-cd)pyrene	112	J
53-70-3	Dibenz(a,h)anthracene	334	U

010802

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#62

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-020

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B03

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.8

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

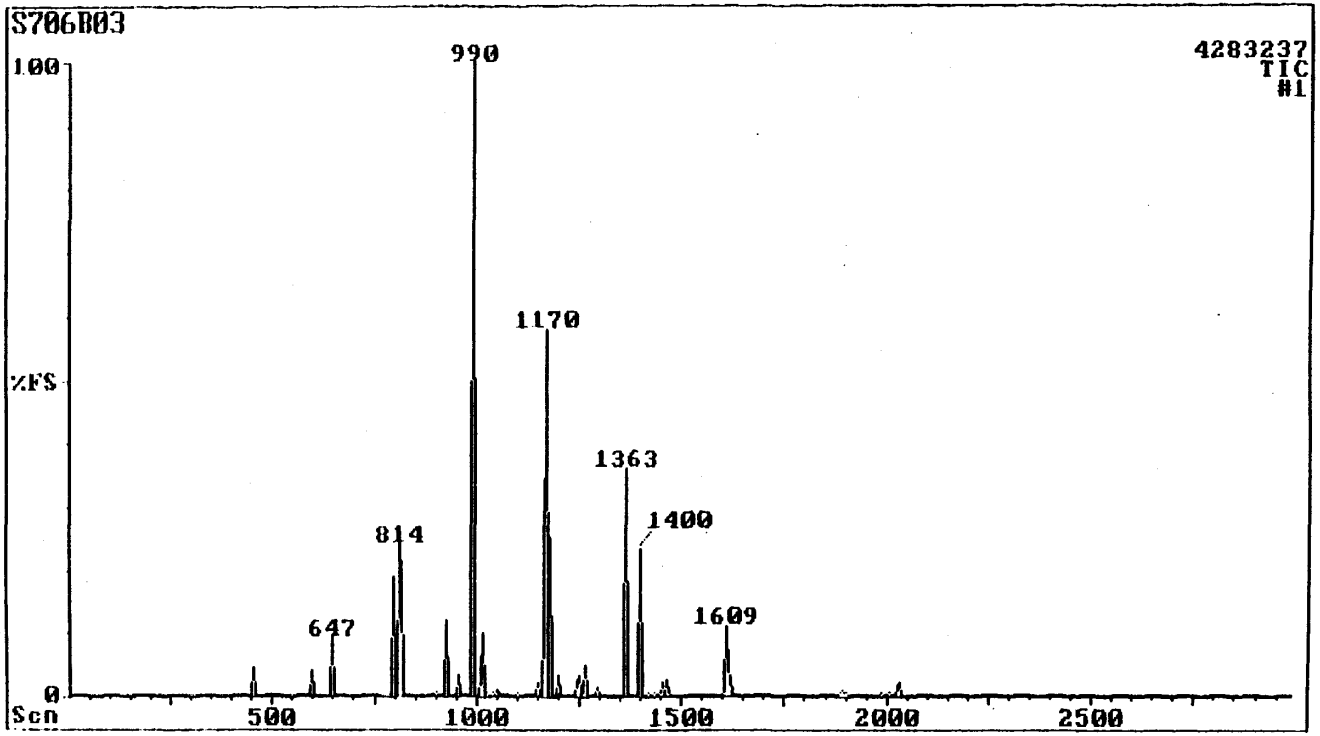
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	50.0	J
208-96-8	Acenaphthylene	38.6	J
83-32-9	Acenaphthene	198	J
86-73-7	Fluorene	415	
85-01-8	Phenanthrene	2710	
120-12-7	Anthracene	1130	
206-44-0	Fluoranthene	1620	
129-00-0	Pyrene	1230	
56-55-3	Benzo(a)anthracene	368	
218-01-9	Chrysene	304	J
205-99-2	Benzo(b)fluoranthene	208	J
207-08-9	Benzo(k)fluoranthene	75.2	J
50-32-8	Benzo(a)pyrene	146	J
193-39-5	Indeno(1,2,3-cd)pyrene	112	J
53-70-3	Dibenz(a,h)anthracene	334	U
191-24-2	Benzo(g,h,i)perylene	104	J

INJ DATE:07/07/93 FILE:S706B03

INJ TIME:1443 SAMPLE:M93-6.118-020 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010803

Quantitation Results

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Date : 07/07/93

Time : 1443

Datafile : S706B03

010804

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.496
4-CHLOROANILINE	0.465
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	1.062
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.027
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	1.156
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	5.923
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	5.614
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	12.290
4-NITROANILINE	0.473
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.119
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

PENTACHLOROPHENOL	5.000
PHENANTHRENE	80.339
ANTHRACENE	33.509
CARBAZOLE	5.291
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	47.910
CHRYSENE-D12	20.000
PYRENE	36.371
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	10.901
CHRYSENE	9.101
BIS(2-ETHYLHEXYL)PHTHALATE	0.095
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	6.235
BENZO(K)FLUORANTHENE	2.252
BENZO(A)PYRENE	4.389
INDENO(1,2,3-CD)PYRENE	3.362
DIBENZ(A,H)ANTHRACENE	0.323
BENZO(G,H,I)PERYLENE	3.110

010805

Datafile : S706B03

010806

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	66280	151520
NAPHTHALENE-D8	202960	360804	811840
ACENAPHTHENE-D10	125016	246720	500064
PHENANTHRENE-D10	200256	389888	801024
CHRYSENE-D12	269936	427108	1079744
PERYLENE-D12	99438	254468	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.75
NAPHTHALENE-D8	13.98	13.99
ACENAPHTHENE-D10	18.65	18.64
PHENANTHRENE-D10	22.64	22.64
CHRYSENE-D12	30.05	30.04
PERYLENE-D12	37.04	37.02

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	408
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBR 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000097

010807

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#63

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-021

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.5

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	134	J
218-01-9	Chrysene	120	J
205-99-2	Benzo(b)fluoranthene	49.6	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	39.5	J
193-39-5	Indeno(1,2,3-cd)pyrene	332	U
53-70-3	Dibenz(a,h)anthracene	332	U

010808

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#63

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-021

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.5

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

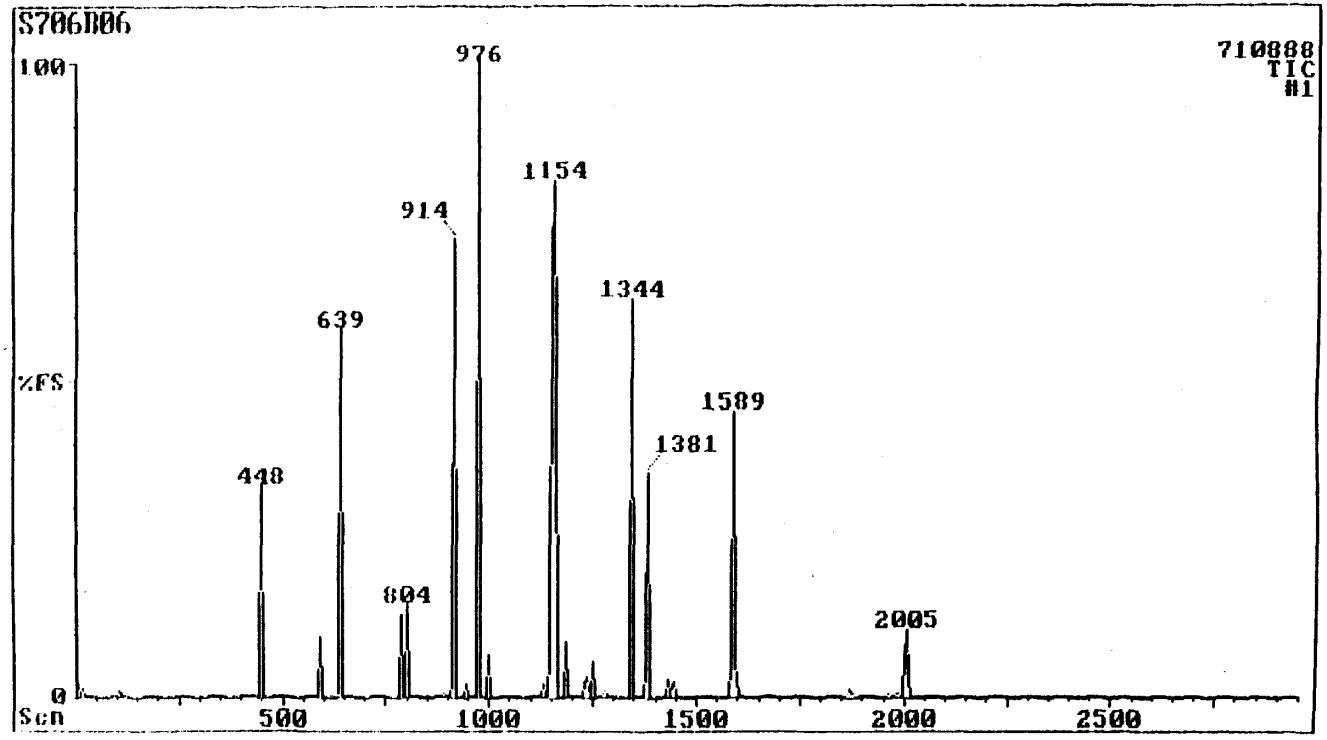
Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	332	U
86-73-7	Fluorene	66.6	J
85-01-8	Phenanthrene	675	
120-12-7	Anthracene	394	
206-44-0	Fluoranthene	450	
129-00-0	Pyrene	408	
56-55-3	Benzo(a)anthracene	134	J
218-01-9	Chrysene	120	J
205-99-2	Benzo(b)fluoranthene	49.6	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	39.5	J
193-39-5	Indeno(1,2,3-cd)pyrene	332	U
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/07/93 FILE:S706B06
INJ TIME:1746 SAMPLE:M93-6.118-021 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010809

Quantitation Results

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Date : 07/07/93

Time : 1746

Datafile : S706B06

010810

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.402
4-CHLOROANILINE	0.058
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.174
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.030
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.260
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.590
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.765
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	2.006
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000

000101

010810

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	20.178
ANTHRACENE	11.777
CARBAZOLE	2.725
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	13.446
CHRYSENE-D12	20.000
PYRENE	12.193
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	4.046
CHRYSENE	3.603
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.495
BENZO(K)FLUORANTHENE	0.838
BENZO(A)PYRENE	1.189
INDENO(1,2,3-CD)PYRENE	0.215
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.413

010811

Datafile : S706B06

010812

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	67288	151520
NAPHTHALENE-D8	202960	371584	811840
ACENAPHTHENE-D10	125016	226960	500064
PHENANTHRENE-D10	200256	354980	801024
CHRYSENE-D12	269936	318316	1079744
PERYLENE-D12	99438	222892	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.76
NAPHTHALENE-D8	13.98	13.98
ACENAPHTHENE-D10	18.65	18.63
PHENANTHRENE-D10	22.64	22.61
CHRYSENE-D12	30.05	30.02
PERYLENE-D12	37.04	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	420
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000103

010812

010813

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#64

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-022

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	96.8	J
218-01-9	Chrysene	78.2	J
205-99-2	Benzo(b)fluoranthene	48.2	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

010814

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#64

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-022

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

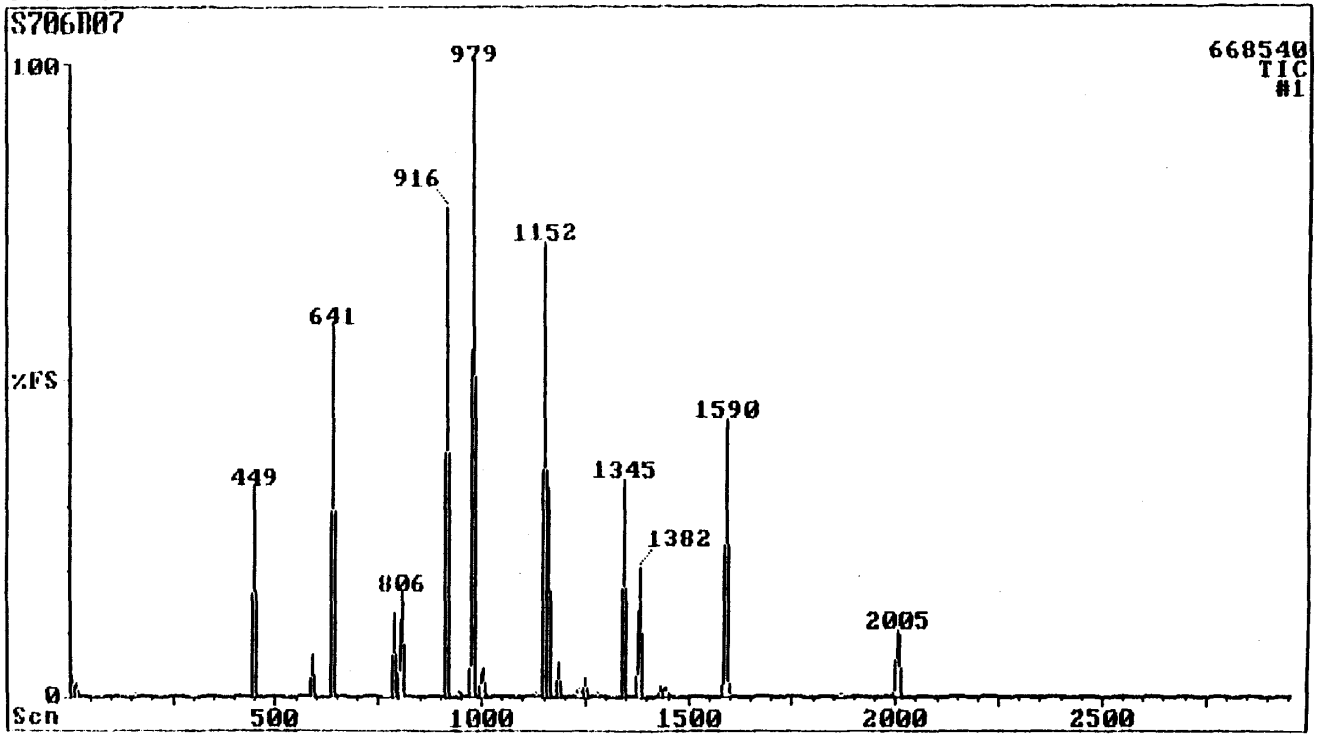
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	40.8	J
85-01-8	Phenanthrene	350	
120-12-7	Anthracene	241	J
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	230	J
56-55-3	Benzo(a)anthracene	96.8	J
218-01-9	Chrysene	78.2	J
205-99-2	Benzo(b)fluoranthene	48.2	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/07/93 FILE:S706B07

INJ TIME:1846 SAMPLE:M93-6.118-022 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000106

010815

010815

Quantitation Results

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Date : 07/07/93

Time : 1846

Datafile : S706B07

010816

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.309
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.115
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.030
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.190
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.365
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.520
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	1.234
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000107

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	10.478
ANTHRACENE	7.287
CARBAZOLE	1.819
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	7.259
CHRYSENE-D12	20.000
PYRENE	6.964
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.924
CHRYSENE	2.363
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.458
BENZO(K)FLUORANTHENE	0.586
BENZO(A)PYRENE	0.893
INDENO(1,2,3-CD)PYRENE	0.048
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.093

010817

000108

Datafile : S706B07

010818

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	72100	151520
NAPHTHALENE-D8	202960	363400	811840
ACENAPHTHENE-D10	125016	220784	500064
PHENANTHRENE-D10	200256	345220	801024
CHRYSENE-D12	269936	313072	1079744
PERYLENE-D12	99438	189976	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.77
NAPHTHALENE-D8	13.98	14.01
ACENAPHTHENE-D10	18.65	18.65
PHENANTHRENE-D10	22.64	22.63
CHRYSENE-D12	30.05	30.02
PERYLENE-D12	37.04	37.01

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	404
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000109

010819

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#65

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-023

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	53.8	J
218-01-9----------	Chrysene	43.9	J
205-99-2----------	Benzo(b)fluoranthene	331	U
207-08-9----------	Benzo(k)fluoranthene	331	U
50-32-8----------	Benzo(a)pyrene	331	U
193-39-5----------	Indeno(1,2,3-cd)pyrene	331	U
53-70-3----------	Dibenz(a,h)anthracene	331	U

010820

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#65

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-023

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

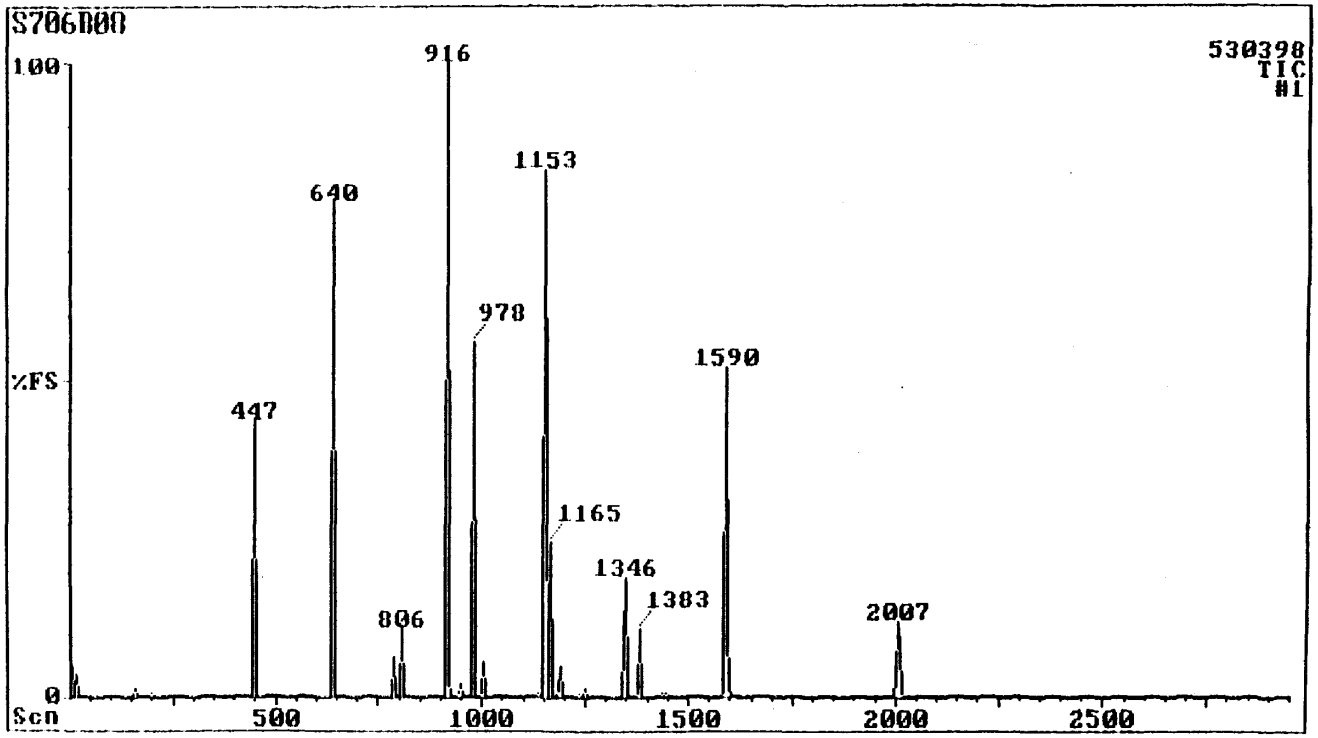
Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	48.6	J
85-01-8	Phenanthrene	219	J
120-12-7	Anthracene	157	J
206-44-0	Fluoranthene	109	J
129-00-0	Pyrene	116	J
56-55-3	Benzo(a)anthracene	53.8	J
218-01-9	Chrysene	43.9	J
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/07/93 FILE:S706B08
INJ TIME:1947 SAMPLE:M93-6.118-023 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000112

010821

010821

Quantitation Results

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Date : 07/07/93

Time : 1947

Datafile : S706B08

010822

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.250
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.128
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.033
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.055
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.615
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.675
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	1.467
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000113

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	6.620
ANTHRACENE	4.745
CARBAZOLE	1.321
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	3.281
CHRYSENE-D12	20.000
PYRENE	3.502
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	1.624
CHRYSENE	1.327
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.727
BENZO(K)FLUORANTHENE	0.285
BENZO(A)PYRENE	0.460
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010823

010824

Datafile : S706B08

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	74932	151520
NAPHTHALENE-D8	202960	373580	811840
ACENAPHTHENE-D10	125016	213968	500064
PHENANTHRENE-D10	200256	354368	801024
CHRYSENE-D12	269936	291684	1079744
PERYLENE-D12	99438	172448	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.75
NAPHTHALENE-D8	13.98	14.00
ACENAPHTHENE-D10	18.65	18.66
PHENANTHRENE-D10	22.64	22.65
CHRYSENE-D12	30.05	30.04
PERYLENE-D12	37.04	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	428
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010825

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#66

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-024

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.0

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	311	J
218-01-9---------	Chrysene	283	J
205-99-2---------	Benzo(b)fluoranthene	156	J
207-08-9---------	Benzo(k)fluoranthene	58.1	J
50-32-8----------	Benzo(a)pyrene	333	U
193-39-5---------	Indeno(1,2,3-cd)pyrene	50.8	J
53-70-3----------	Dibenz(a,h)anthracene	333	U

010826

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#66

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-024

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.0

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

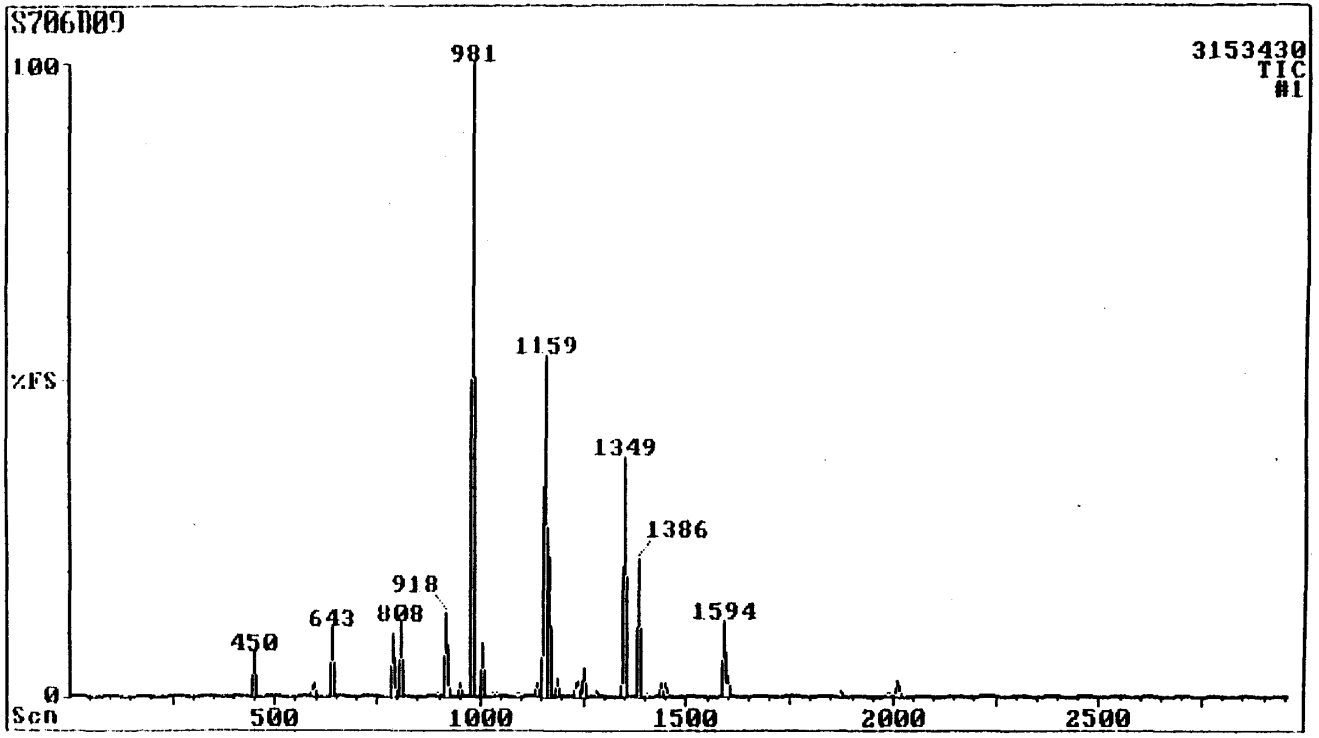
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	333	U
208-96-8	Acenaphthylene	333	U
83-32-9	Acenaphthene	123	J
86-73-7	Fluorene	291	J
85-01-8	Phenanthrene	2200	
120-12-7	Anthracene	933	
206-44-0	Fluoranthene	1230	
129-00-0	Pyrene	1080	
56-55-3	Benzo(a)anthracene	311	J
218-01-9	Chrysene	283	J
205-99-2	Benzo(b)fluoranthene	156	J
207-08-9	Benzo(k)fluoranthene	58.1	J
50-32-8	Benzo(a)pyrene	333	U
193-39-5	Indeno(1,2,3-cd)pyrene	50.8	J
53-70-3	Dibenz(a,h)anthracene	333	U
191-24-2	Benzo(g,h,i)perylene	45.3	J

INJ DATE:07/07/93 FILE:S706B09

INJ TIME:2047 SAMPLE:M93-6.118-024 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010827

000118

Quantitation Results

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Date : 07/07/93

Time : 2047

Datafile : S706B09

010828

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.811
4-CHLOROANILINE	0.217
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.481
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.033
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.890
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	3.706
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	3.690
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	8.749
4-NITROANILINE	0.397
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.053

000115

010828

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	65.441
ANTHRACENE	27.698
CARBAZOLE	4.258
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	36.533
CHRYSENE-D12	20.000
PYRENE	31.976
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	9.344
CHRYSENE	8.505
BIS(2-ETHYLHEXYL)PHTHALATE	0.052
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	4.686
BENZO(K)FLUORANTHENE	1.746
BENZO(A)PYRENE	3.394
INDENO(1,2,3-CD)PYRENE	1.527
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	1.360

010829

Datafile : S706B09

010830

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	68348	151520
NAPHTHALENE-D8	202960	338880	811840
ACENAPHTHENE-D10	125016	216500	500064
PHENANTHRENE-D10	200256	343816	801024
CHRYSENE-D12	269936	322432	1079744
PERYLENE-D12	99438	213840	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.78
NAPHTHALENE-D8	13.98	14.03
ACENAPHTHENE-D10	18.65	18.66
PHENANTHRENE-D10	22.64	22.64
CHRYSENE-D12	30.05	30.05
PERYLENE-D12	37.04	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	428
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED DW
FAD 7/9/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010831

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#67

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-025

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B10

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

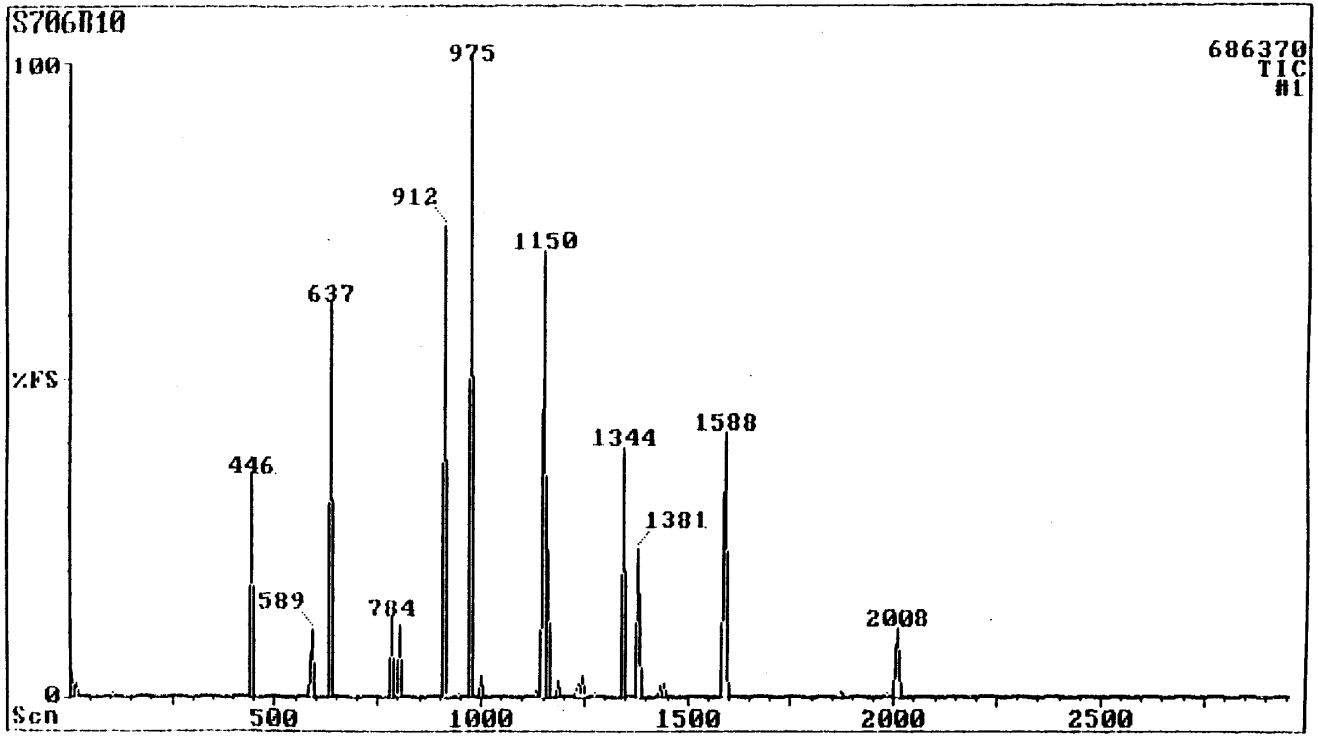
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	100	J
218-01-9	Chrysene	91.0	J
205-99-2	Benzo(b)fluoranthene	37.5	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

INJ DATE:07/07/93 FILE:S706B10

INJ TIME:2147 SAMPLE:M93-6.118-025 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010832

Quantitation Results

Date : 07/07/93

Time : 2147

Datafile : S706B10

010833

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.202
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.080
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.027
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.209
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.280
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.418
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.046
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.902
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	9.784
ANTHRACENE	4.859
CARBAZOLE	1.057
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	8.309
CHRYSENE-D12	20.000
PYRENE	8.057
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	3.029
CHRYSENE	2.748
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.134
BENZO(K)FLUORANTHENE	0.612
BENZO(A)PYRENE	0.906
INDENO(1,2,3-CD)PYRENE	0.247
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.176

010834

010835

Datafile : S706B10

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	75552	151520
NAPHTHALENE-D8	202960	384512	811840
ACENAPHTHENE-D10	125016	224304	500064
PHENANTHRENE-D10	200256	377188	801024
CHRYSENE-D12	269936	319100	1079744
PERYLENE-D12	99438	204228	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.72
NAPHTHALENE-D8	13.98	13.94
ACENAPHTHENE-D10	18.65	18.58
PHENANTHRENE-D10	22.64	22.59
CHRYSENE-D12	30.05	29.98
PERYLENE-D12	37.04	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	372
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010836

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#68

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-026

Sample wt/vol 10.0 (g/mL) G

Lab File ID: S706B11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.7

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	993	U
218-01-9	Chrysene	993	U
205-99-2	Benzo(b)fluoranthene	993	U
207-08-9	Benzo(k)fluoranthene	993	U
50-32-8	Benzo(a)pyrene	993	U
193-39-5	Indeno(1,2,3-cd)pyrene	993	U
53-70-3	Dibenz(a,h)anthracene	993	U

010837

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#68

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-026

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: S706B11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.7

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

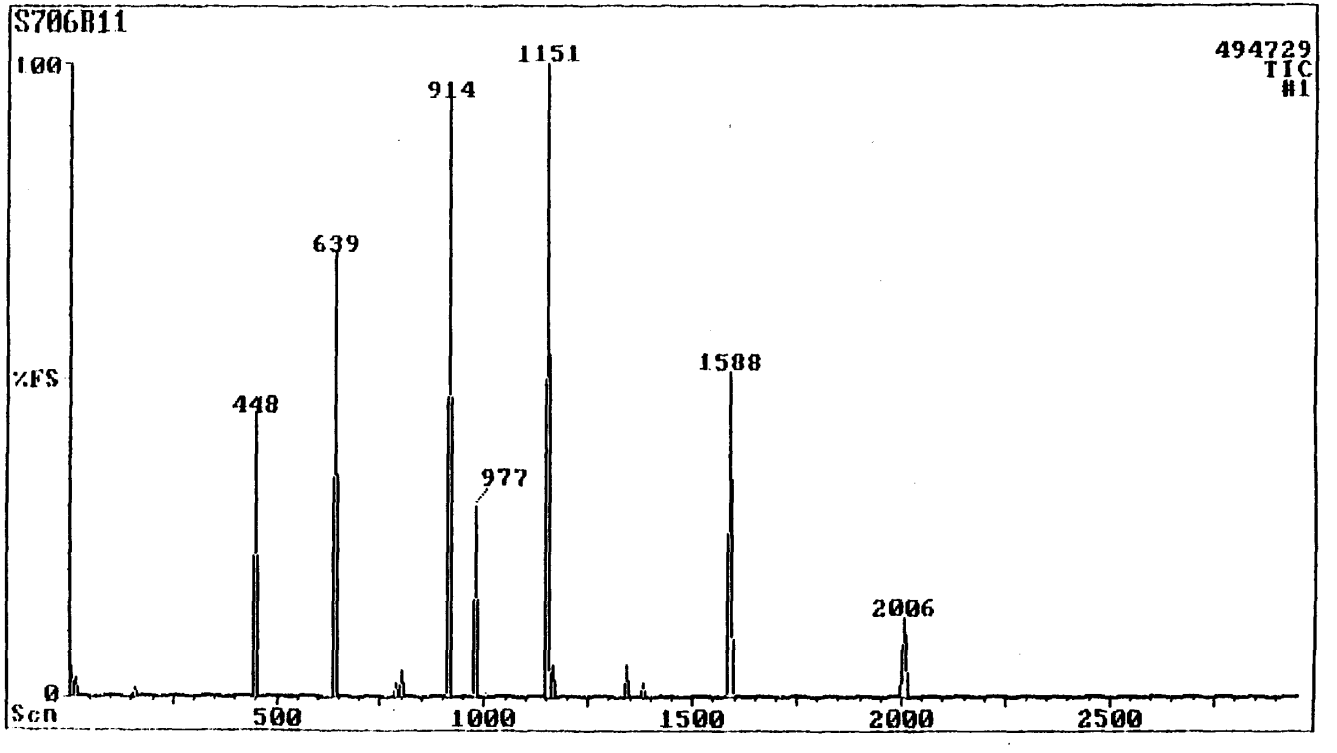
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	993	U
208-96-8	Acenaphthylene	993	U
83-32-9	Acenaphthene	993	U
86-73-7	Fluorene	993	U
85-01-8	Phenanthrene	144	J
120-12-7	Anthracene	105	J
206-44-0	Fluoranthene	993	U
129-00-0	Pyrene	993	U
56-55-3	Benzo(a)anthracene	993	U
218-01-9	Chrysene	993	U
205-99-2	Benzo(b)fluoranthene	993	U
207-08-9	Benzo(k)fluoranthene	993	U
50-32-8	Benzo(a)pyrene	993	U
193-39-5	Indeno(1,2,3-cd)pyrene	993	U
53-70-3	Dibenz(a,h)anthracene	993	U
191-24-2	Benzo(g,h,i)perylene	993	U

INJ DATE:07/07/93 FILE:S706B11

INJ TIME:2248 SAMPLE:M93-6.118-026 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010837.001

010837.001

Quantitation Results

Date : 07/07/93

Time : 2248

Datafile : S706B11

010838

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.047
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.030
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.026
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.063
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.187
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000130

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	1.448
ANTHRACENE	1.054
CARBAZOLE	0.237
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.919
CHRYSENE-D12	20.000
PYRENE	0.891
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.401
CHRYSENE	0.413
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.111
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010839

010840

Datafile : S706B11

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	73844	151520
NAPHTHALENE-D8	202960	352304	811840
ACENAPHTHENE-D10	125016	221456	500064
PHENANTHRENE-D10	200256	352176	801024
CHRYSENE-D12	269936	280692	1079744
PERYLENE-D12	99438	174940	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.77
NAPHTHALENE-D8	13.98	13.99
ACENAPHTHENE-D10	18.65	18.64
PHENANTHRENE-D10	22.64	22.64
CHRYSENE-D12	30.05	30.02
PERYLENE-D12	37.04	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	400
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000132

010841

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#69

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-027

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	55.5	J
218-01-9	Chrysene	49.4	J
205-99-2	Benzo(b)fluoranthene	33.5	J
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U

010842

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#69

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-027

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

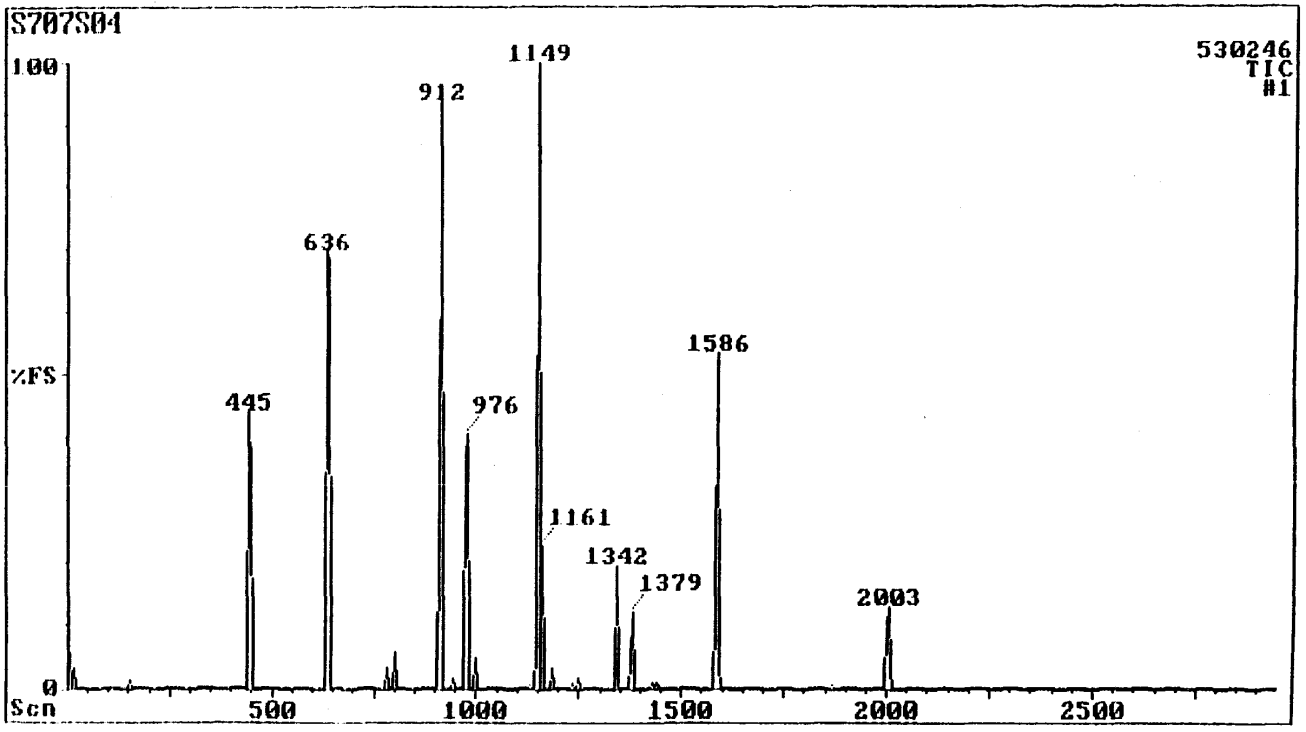
Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
85-01-8	Phenanthrene	159	J
120-12-7	Anthracene	111	J
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	108	J
56-55-3	Benzo(a)anthracene	55.5	J
218-01-9	Chrysene	49.4	J
205-99-2	Benzo(b)fluoranthene	33.5	J
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

INJ DATE:07/08/93 FILE:S707S04
INJ TIME:0402 SAMPLE:M93-6.118-027 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000135

010843

010843

Quantitation Results

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Date : 07/08/93

Time : 0402

Datafile : S707S04

010844

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.220
4-CHLOROANILINE	0.047
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.104
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.055
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.070
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.401
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.409
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.867
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	4.826
ANTHRACENE	3.374
CARBAZOLE	0.918
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	3.049
CHRYSENE-D12	20.000
PYRENE	3.263
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	1.681
CHRYSENE	1.498
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.016
BENZO(K)FLUORANTHENE	0.358
BENZO(A)PYRENE	0.809
INDENO(1,2,3-CD)PYRENE	0.056
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010845

010846

Datafile : S707S04

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	75796	145344
NAPHTHALENE-D8	180926	381568	723704
ACENAPHTHENE-D10	103502	240844	414008
PHENANTHRENE-D10	150776	364720	603104
CHRYSENE-D12	190726	282780	762904
PERYLENE-D12	70996	153960	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.72
NAPHTHALENE-D8	13.96	13.95
ACENAPHTHENE-D10	18.59	18.61
PHENANTHRENE-D10	22.61	22.61
CHRYSENE-D12	30.02	29.99
PERYLENE-D12	37.07	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	840
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000138

010846

010847

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#70

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-028

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	412	
218-01-9---------	Chrysene	345	
205-99-2---------	Benzo(b)fluoranthene	205	J
207-08-9---------	Benzo(k)fluoranthene	90.4	J
50-32-8----------	Benzo(a)pyrene	164	J
193-39-5---------	Indeno(1,2,3-cd)pyrene	108	J
53-70-3----------	Dibenz(a,h)anthracene	334	U

000139

010847

010848

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#70

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-028

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

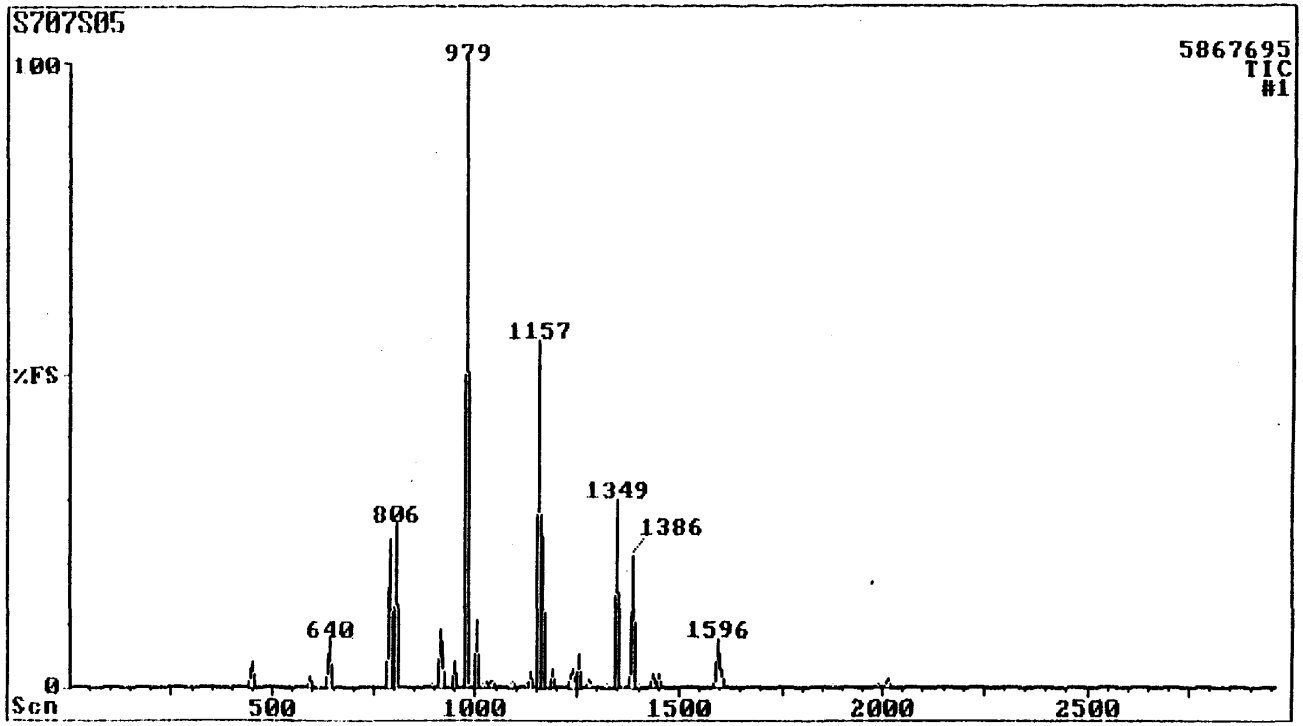
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	39.4	J
208-96-8	Acenaphthylene	37.7	J
83-32-9	Acenaphthene	278	J
86-73-7	Fluorene	579	
85-01-8	Phenanthrene	2930	
120-12-7	Anthracene	1140	
206-44-0	Fluoranthene	1760	
129-00-0	Pyrene	1360	
56-55-3	Benzo(a)anthracene	412	
218-01-9	Chrysene	345	
205-99-2	Benzo(b)fluoranthene	205	J
207-08-9	Benzo(k)fluoranthene	90.4	J
50-32-8	Benzo(a)pyrene	164	J
193-39-5	Indeno(1,2,3-cd)pyrene	108	J
53-70-3	Dibenz(a,h)anthracene	334	U
191-24-2	Benzo(g,h,i)perylene	106	J

INJ DATE:07/08/93 FILE:S707S05

INJ TIME:0502 SAMPLE:M93-6.118-028 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010849

010849

Quantitation Results

Date : 07/08/93

Time : 0502

Datafile : S707S05

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.180
4-CHLOROANILINE	0.473
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	1.014
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.059
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	1.130
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	8.334
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	7.861
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	17.146
4-NITROANILINE	0.755
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.411

010850

000142

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	88.011
ANTHRACENE	34.282
CARBAZOLE	5.855
DI-N-BUTYLPHTHALATE	0.019
FLUORANTHENE	52.906
CHRYSENE-D12	20.000
PYRENE	40.698
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	12.374
CHRYSENE	10.343
BIS(2-ETHYLHEXYL)PHTHALATE	0.166
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	6.151
BENZO(K)FLUORANTHENE	2.706
BENZO(A)PYRENE	4.926
INDENO(1,2,3-CD)PYRENE	3.233
DIBENZ(A,H)ANTHRACENE	0.078
BENZO(G,H,I)PERYLENE	3.175

010851

Datafile : S707S05

010852

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	73276	145344
NAPHTHALENE-D8	180926	397768	723704
ACENAPHTHENE-D10	103502	251776	414008
PHENANTHRENE-D10	150776	402936	603104
CHRYSENE-D12	190726	360856	762904
PERYLENE-D12	70996	216792	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.73
NAPHTHALENE-D8	13.96	13.96
ACENAPHTHENE-D10	18.59	18.60
PHENANTHRENE-D10	22.61	22.59
CHRYSENE-D12	30.02	30.04
PERYLENE-D12	37.07	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	936
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
EBB 7/8/95

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000144

010852

010853

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#71

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-029

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.2

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	259	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	128	J
207-08-9	Benzo(k)fluoranthene	66.4	J
50-32-8	Benzo(a)pyrene	96.2	J
193-39-5	Indeno(1,2,3-cd)pyrene	72.2	J
53-70-3	Dibenz(a,h)anthracene	333	U

010854

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#71

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-029

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.2

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

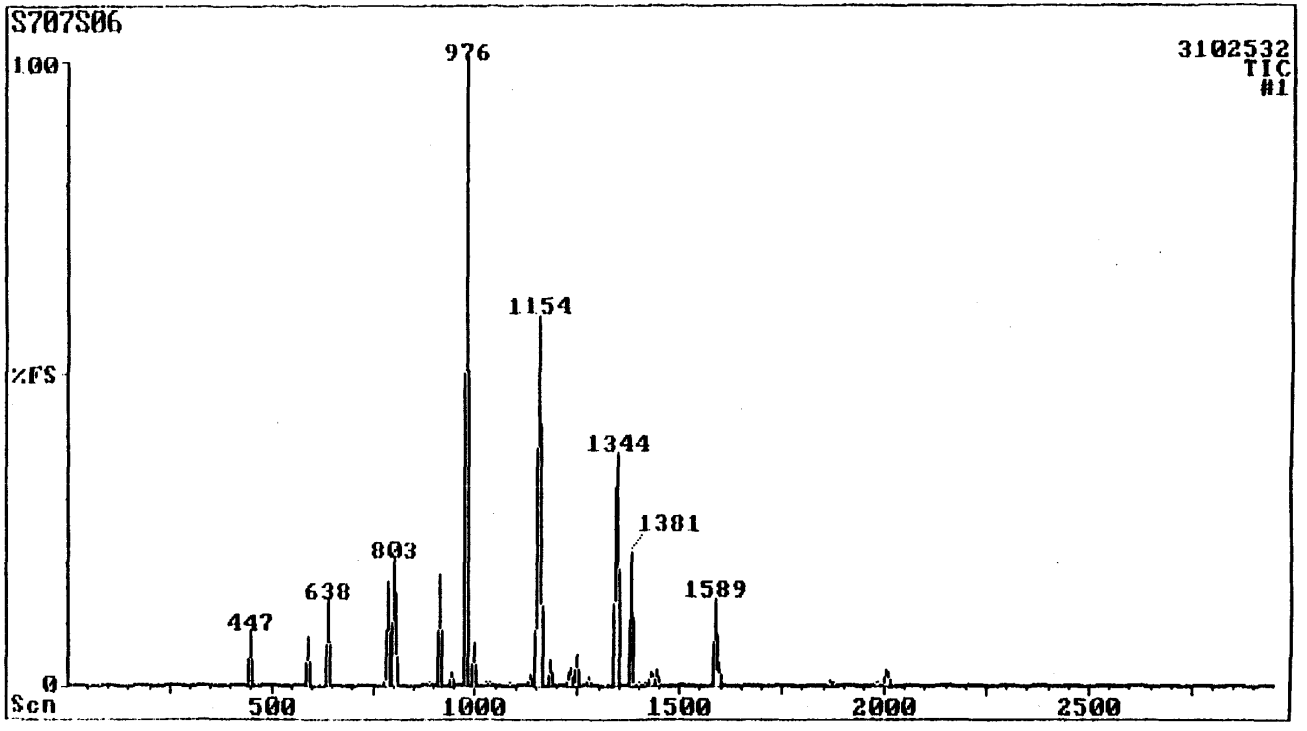
Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	333	U
208-96-8	Acenaphthylene	333	U
83-32-9	Acenaphthene	333	U
86-73-7	Fluorene	179	J
85-01-8	Phenanthrene	1440	
120-12-7	Anthracene	629	
206-44-0	Fluoranthene	931	
129-00-0	Pyrene	766	
56-55-3	Benzo(a)anthracene	259	J
218-01-9	Chrysene	240	J
205-99-2	Benzo(b)fluoranthene	128	J
207-08-9	Benzo(k)fluoranthene	66.4	J
50-32-8	Benzo(a)pyrene	96.2	J
193-39-5	Indeno(1,2,3-cd)pyrene	72.2	J
53-70-3	Dibenz(a,h)anthracene	333	U
191-24-2	Benzo(g,h,i)perylene	65.0	J

INJ DATE:07/08/93 FILE:S707S06
INJ TIME:0602 SAMPLE:M93-6.118-029 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000147

010855

010855

Quantitation Results

Date : 07/08/93

Time : 0602

Datafile : S707S06

010856

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.763
4-CHLOROANILINE	0.246
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.391
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.035
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.673
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	2.081
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	2.276
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	5.384
4-NITROANILINE	0.190
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.032

000148

010856

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	43.069
ANTHRACENE	18.867
CARBAZOLE	4.344
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	27.933
CHRYSENE-D12	20.000
PYRENE	22.812
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	7.771
CHRYSENE	7.211
BIS(2-ETHYLHEXYL)PHTHALATE	0.088
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	3.836
BENZO(K)FLUORANTHENE	1.994
BENZO(A)PYRENE	2.890
INDENO(1,2,3-CD)PYRENE	2.167
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	1.952

010857

Datafile : S707S06

010858

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	82928	145344
NAPHTHALENE-D8	180926	441680	723704
ACENAPHTHENE-D10	103502	263596	414008
PHENANTHRENE-D10	150776	416192	603104
CHRYSENE-D12	190726	364068	762904
PERYLENE-D12	70996	222392	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.75
NAPHTHALENE-D8	13.96	13.98
ACENAPHTHENE-D10	18.59	18.62
PHENANTHRENE-D10	22.61	22.63
CHRYSENE-D12	30.02	30.04
PERYLENE-D12	37.07	37.07

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	584
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010859

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#72

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-030

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	77.6	J
218-01-9	Chrysene	62.6	J
205-99-2	Benzo(b)fluoranthene	33.4	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

010860

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#72

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-030

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

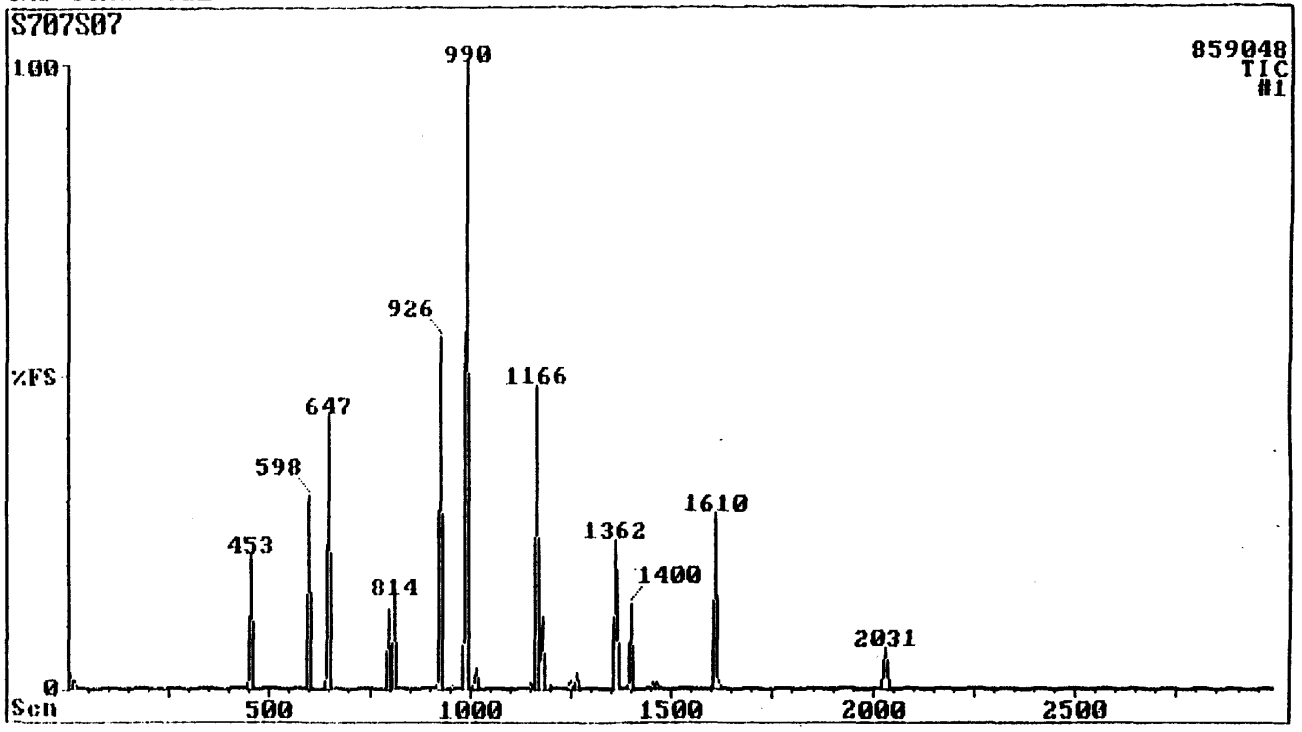
Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	331	U
85-01-8	Phenanthrene	310	J
120-12-7	Anthracene	106	J
206-44-0	Fluoranthene	205	J
129-00-0	Pyrene	228	J
56-55-3	Benzo(a)anthracene	77.6	J
218-01-9	Chrysene	62.6	J
205-99-2	Benzo(b)fluoranthene	33.4	J
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/08/93 FILE:S707S07
INJ TIME:0702 SAMPLE:M93-6.118-030 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000153

010861

010861

Quantitation Results

Date : 07/08/93

Time : 0702

Datafile : S707S07

010862

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.129
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.025
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.031
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.155
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.315
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.453
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.958
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000154

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	9.379
ANTHRACENE	3.200
CARBAZOLE	0.453
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	6.184
CHRYSENE-D12	20.000
PYRENE	6.875
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.346
CHRYSENE	1.893
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.008
BENZO(K)FLUORANTHENE	0.411
BENZO(A)PYRENE	0.647
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010863

Datafile : S707S07

010864

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	70636	145344
NAPHTHALENE-D8	180926	364808	723704
ACENAPHTHENE-D10	103502	211520	414008
PHENANTHRENE-D10	150776	333792	603104
CHRYSENE-D12	190726	249956	762904
PERYLENE-D12	70996	159700	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.99
ACENAPHTHENE-D10	18.59	18.64
PHENANTHRENE-D10	22.61	22.64
CHRYSENE-D12	30.02	30.04
PERYLENE-D12	37.07	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	416
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000156

010865

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#73

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-031

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U

010866

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#73

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-031

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S08

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

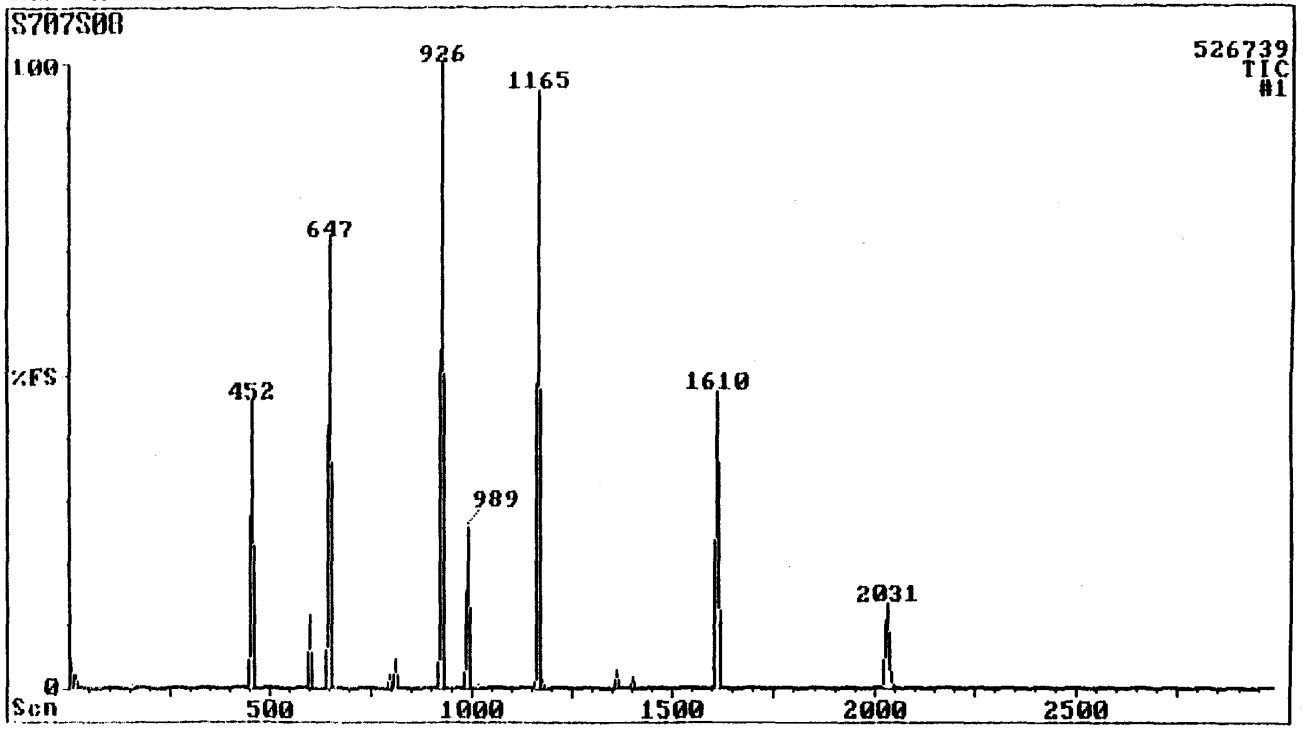
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
85-01-8	Phenanthrene	39.1	J
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

INJ DATE:07/08/93 FILE:S707S08

INJ TIME:0802 SAMPLE:M93-6.118-031 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010867

010867

Quantitation Results

Date : 07/08/93

Time : 0802

Datafile : S707S08

010868

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.036
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.141
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.134
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.195
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000160

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	1.186
ANTHRACENE	0.308
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.523
CHRYSENE-D12	20.000
PYRENE	0.546
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.296
CHRYSENE	0.198
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010869

Datafile : S707S08

010870

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	75996	145344
NAPHTHALENE-D8	180926	405040	723704
ACENAPHTHENE-D10	103502	218860	414008
PHENANTHRENE-D10	150776	382540	603104
CHRYSENE-D12	190726	290692	762904
PERYLENE-D12	70996	166928	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.97
ACENAPHTHENE-D10	18.59	18.64
PHENANTHRENE-D10	22.61	22.62
CHRYSENE-D12	30.02	30.02
PERYLENE-D12	37.07	37.04

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	496
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010871

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#74

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-032

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	417	J
218-01-9	Chrysene	390	J
205-99-2	Benzo(b)fluoranthene	184	J
207-08-9	Benzo(k)fluoranthene	74.6	J
50-32-8	Benzo(a)pyrene	147	J
193-39-5	Indeno(1,2,3-cd)pyrene	94.9	J
53-70-3	Dibenz(a,h)anthracene	667	U

010872

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#74

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-032

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S09

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

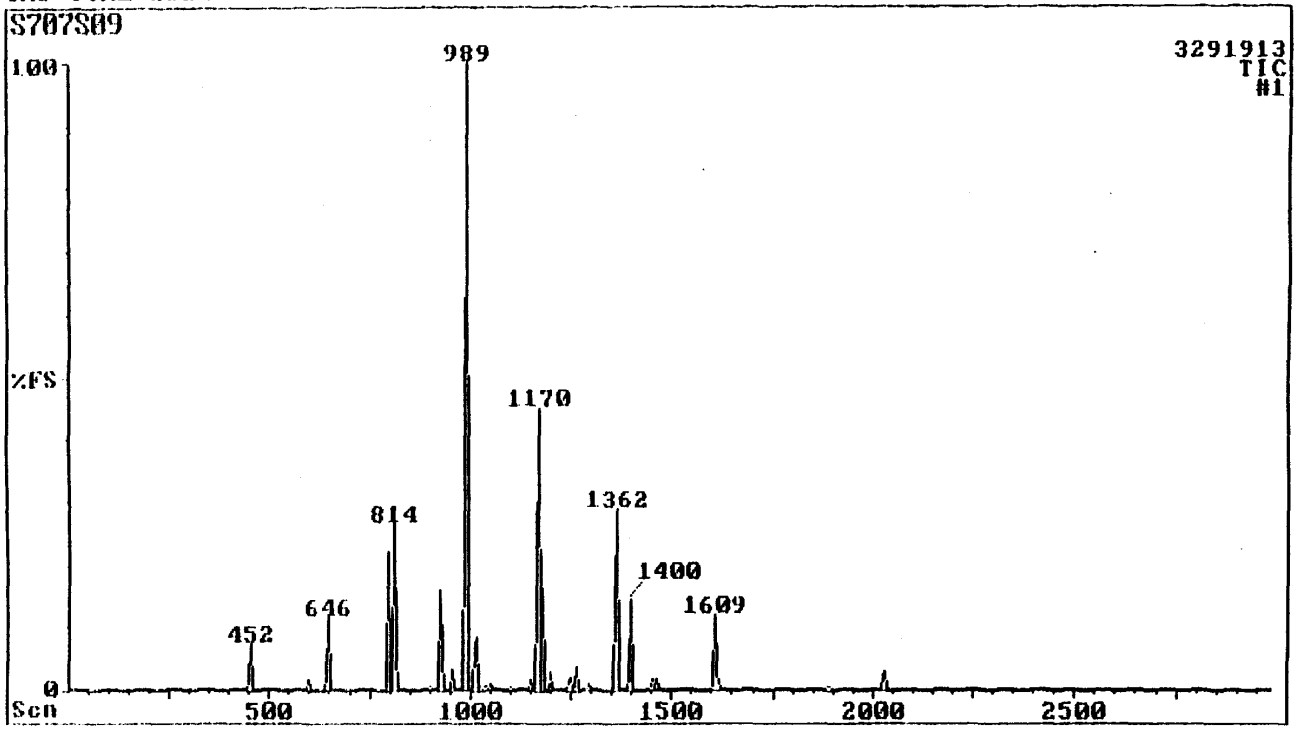
GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	667	U
208-96-8	Acenaphthylene	667	U
83-32-9	Acenaphthene	307	J
86-73-7	Fluorene	510	J
85-01-8	Phenanthrene	2770	
120-12-7	Anthracene	1030	
206-44-0	Fluoranthene	1540	
129-00-0	Pyrene	1370	
56-55-3	Benzo(a)anthracene	417	J
218-01-9	Chrysene	390	J
205-99-2	Benzo(b)fluoranthene	184	J
207-08-9	Benzo(k)fluoranthene	74.6	J
50-32-8	Benzo(a)pyrene	147	J
193-39-5	Indeno(1,2,3-cd)pyrene	94.9	J
53-70-3	Dibenz(a,h)anthracene	667	U
191-24-2	Benzo(g,h,i)perylene	667	U

INJ DATE:07/08/93 FILE:S707S09

INJ TIME:0903 SAMPLE:M93-6.118-032 F.V=20ML X2000 DI SV-GCMS#1-TRIO-2



010873

Quantitation Results

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Date : 07/08/93

Time : 0903

Datafile : S707S09

010874

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.999
4-CHLOROANILINE	0.312
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.687
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.000
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.666
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	4.606
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	3.721
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	7.642
4-NITROANILINE	0.333
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.096

000166

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	41.525
ANTHRACENE	15.405
CARBAZOLE	3.146
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	23.147
CHRYSENE-D12	20.000
PYRENE	20.564
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	6.258
CHRYSENE	5.841
BIS(2-ETHYLHEXYL)PHTHALATE	0.052
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	2.756
BENZO(K)FLUORANTHENE	1.118
BENZO(A)PYRENE	2.204
INDENO(1,2,3-CD)PYRENE	1.423
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.326

010875

010876

Datafile : S707S09

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	75300	145344
NAPHTHALENE-D8	180926	394720	723704
ACENAPHTHENE-D10	103502	247040	414008
PHENANTHRENE-D10	150776	405472	603104
CHRYSENE-D12	190726	336480	762904
PERYLENE-D12	70996	233244	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.97
ACENAPHTHENE-D10	18.59	18.64
PHENANTHRENE-D10	22.61	22.62
CHRYSENE-D12	30.02	30.03
RYLENE-D12	37.07	37.03

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)		0
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FSB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000168

010876

010877

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#75

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-033

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S10

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3----------	Benzo(a)anthracene	127	J
218-01-9---------	Chrysene	104	J
205-99-2---------	Benzo(b)fluoranthene	65.6	J
207-08-9---------	Benzo(k)fluoranthene	332	U
50-32-8----------	Benzo(a)pyrene	55.0	J
193-39-5---------	Indeno(1,2,3-cd)pyrene	38.2	J
53-70-3----------	Dibenz(a,h)anthracene	332	U

010878

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#75

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-033

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S10

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.4

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

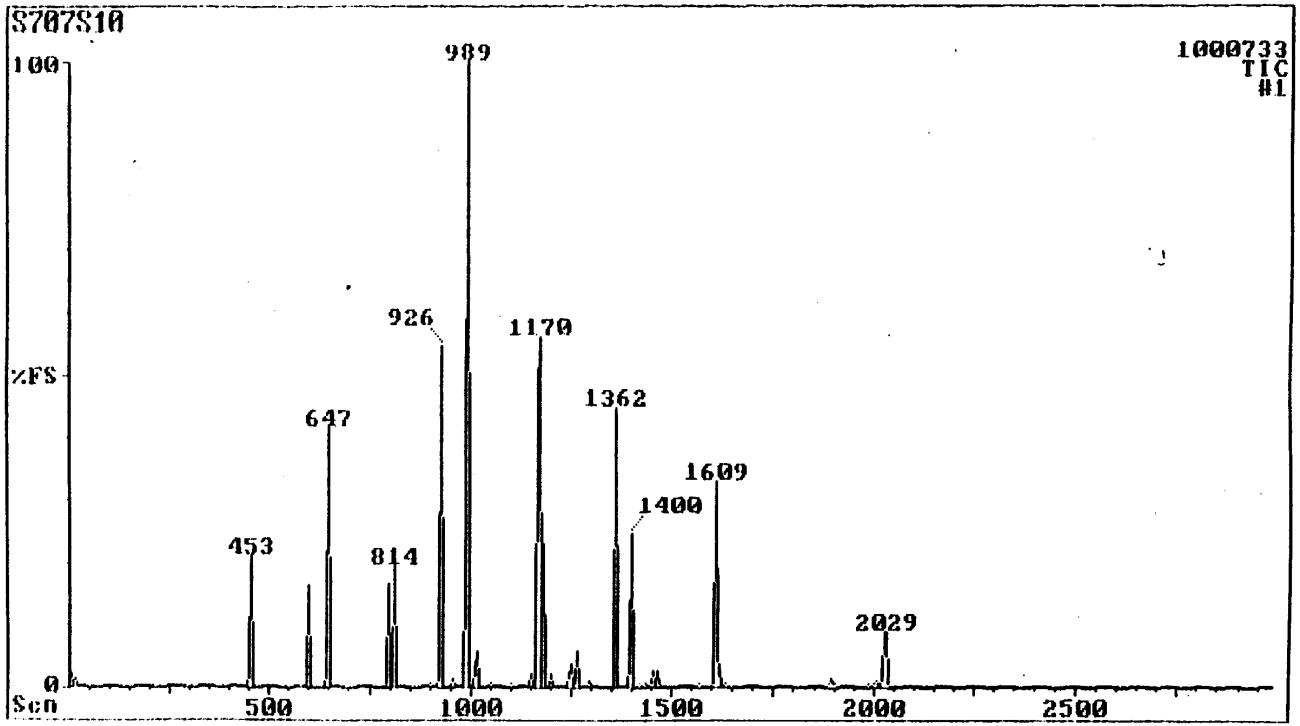
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	332	U
208-96-8	Acenaphthylene	332	U
83-32-9	Acenaphthene	332	U
86-73-7	Fluorene	51.8	J
85-01-8	Phenanthrene	527	
120-12-7	Anthracene	209	J
206-44-0	Fluoranthene	387	
129-00-0	Pyrene	340	
56-55-3	Benzo(a)anthracene	127	J
218-01-9	Chrysene	104	J
205-99-2	Benzo(b)fluoranthene	65.6	J
207-08-9	Benzo(k)fluoranthene	332	U
50-32-8	Benzo(a)pyrene	55.0	J
193-39-5	Indeno(1,2,3-cd)pyrene	38.2	J
53-70-3	Dibenz(a,h)anthracene	332	U
191-24-2	Benzo(g,h,i)perylene	332	U

INJ DATE:07/08/93 FILE:S707S10

INJ TIME:1003 SAMPLE:M93-6.118-033 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000171

010879

010879

Quantitation Results

Date : 07/08/93

Time : 1003

Datafile : S707S10

010880

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.252
4-CHLOROANILINE	0.051
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.103
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.035
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.310
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.517
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.670
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	1.562
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	15.609
ANTHRACENE	6.287
CARBAZOLE	0.955
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	11.617
CHRYSENE-D12	20.000
PYRENE	10.201
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	3.814
CHRYSENE	3.128
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	1.976
BENZO(K)FLUORANTHENE	0.835
BENZO(A)PYRENE	1.657
INDENO(1,2,3-CD)PYRENE	1.150
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.233

010881

Datafile : S707S10

010882

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	74796	145344
NAPHTHALENE-D8	180926	386656	723704
ACENAPHTHENE-D10	103502	242432	414008
PHENANTHRENE-D10	150776	390068	603104
CHRYSENE-D12	190726	322048	762904
PERYLENE-D12	70996	207964	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.74
NAPHTHALENE-D8	13.96	13.99
ACENAPHTHENE-D10	18.59	18.64
PHENANTHRENE-D10	22.61	22.62
CHRYSENE-D12	30.02	30.02
PERYLENE-D12	37.07	37.01

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	540
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Dilution out
FBB 7/8/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000174

010883

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#76

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-034

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S707S11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	38.1	J
218-01-9	Chrysene	331	U
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

010884

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#76

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-034

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S707S11

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

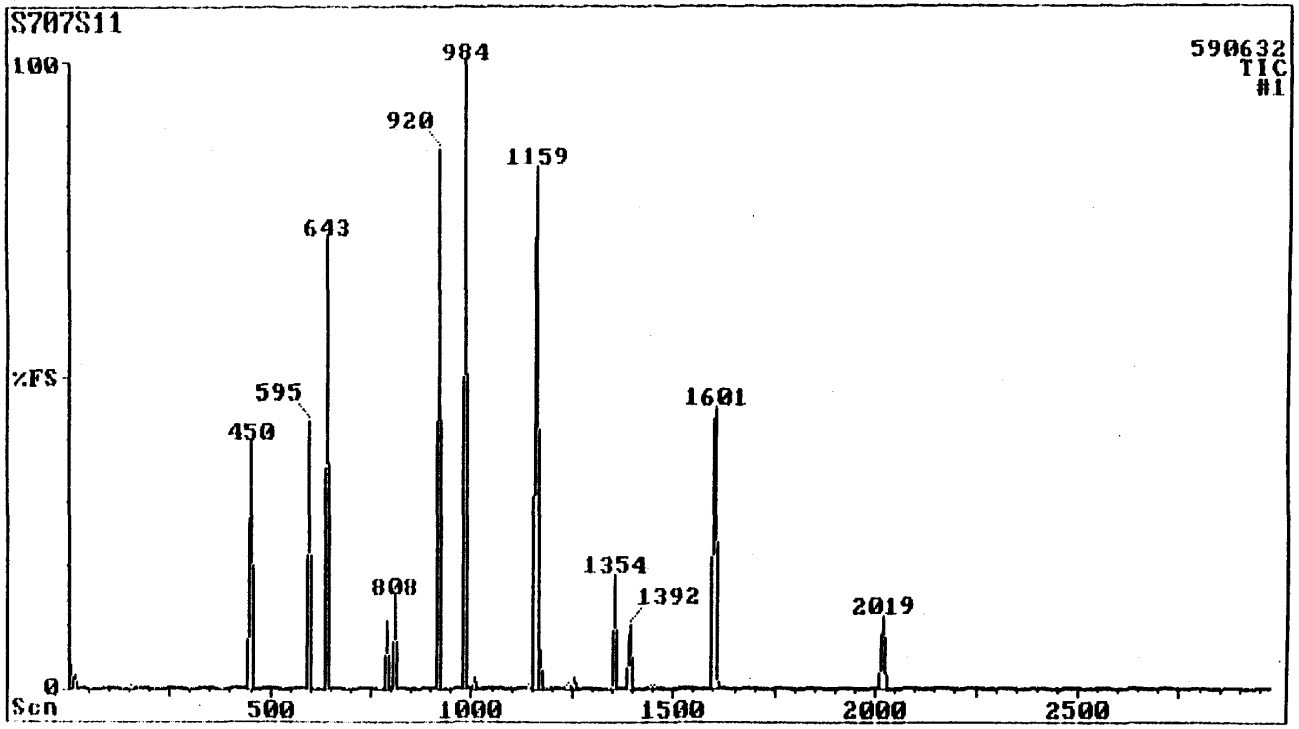
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	331	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	37.1	J
206-44-0	Fluoranthene	103	J
129-00-0	Pyrene	103	J
56-55-3	Benzo(a)anthracene	38.1	J
218-01-9	Chrysene	331	U
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/08/93 FILE:S707S11

INJ TIME:1104 SAMPLE:M93-6.118-034 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



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010885

Quantitation Results

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Date : 07/08/93

Time : 1104

Datafile : S707S11

010886

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.024
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.026
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.058
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.112
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.172
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.414
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000178

010886

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	4.521
ANTHRACENE	1.120
CARBAZOLE	0.018
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	3.105
CHRYSENE-D12	20.000
PYRENE	3.116
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	1.152
CHRYSENE	0.927
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.440
BENZO(K)FLUORANTHENE	0.120
BENZO(A)PYRENE	0.186
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010887

010888

Datafile : S707S11

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	36336	71880	145344
NAPHTHALENE-D8	180926	389812	723704
ACENAPHTHENE-D10	103502	229008	414008
PHENANTHRENE-D10	150776	386384	603104
CHRYSENE-D12	190726	300484	762904
PERYLENE-D12	70996	196916	283984

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.73	10.73
NAPHTHALENE-D8	13.96	13.96
ACENAPHTHENE-D10	18.59	18.59
PHENANTHRENE-D10	22.61	22.59
CHRYSENE-D12	30.02	29.97
PERYLENE-D12	37.07	36.98

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	376
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000180

010889

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#77

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-035

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S708S04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U

000181

010890

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#77

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-035

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S708S04

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

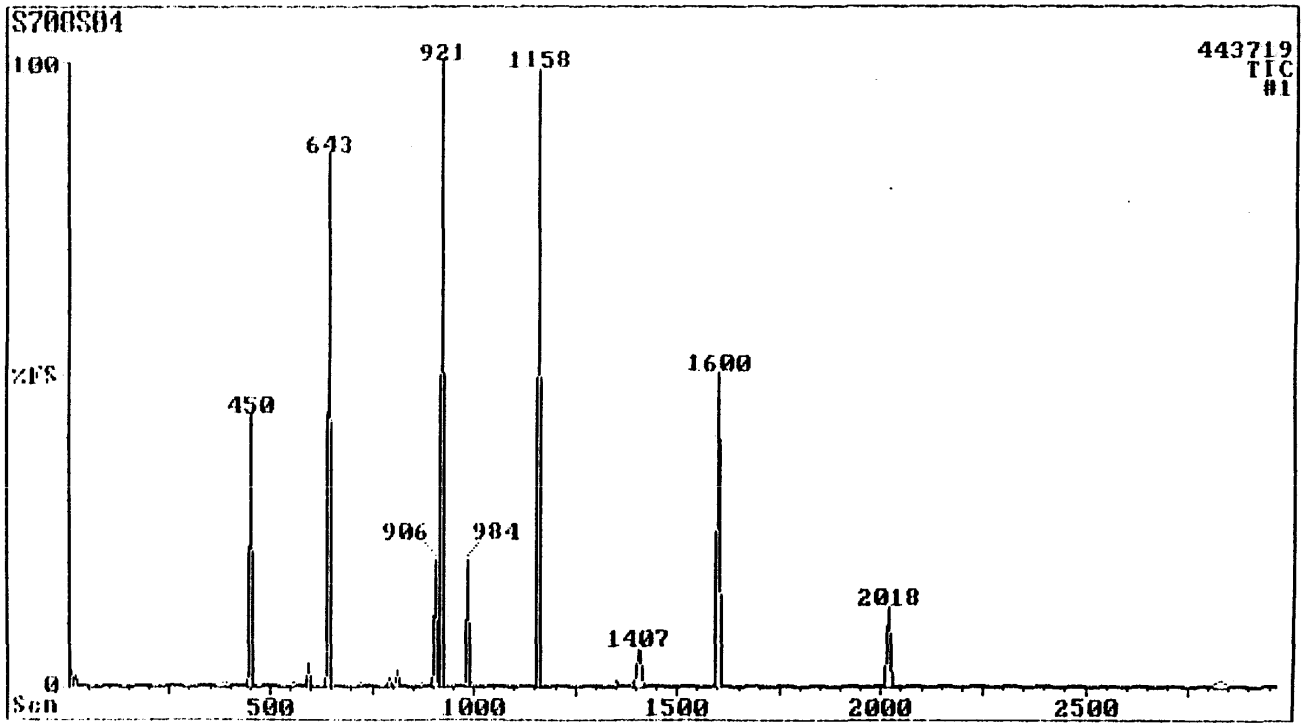
Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
85-01-8	Phenanthrene	330	U
120-12-7	Anthracene	330	U
206-44-0	Fluoranthene	330	U
129-00-0	Pyrene	330	U
56-55-3	Benzo(a)anthracene	330	U
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

INJ DATE:07/08/93 FILE:S708S04
INJ TIME:1710 SAMPLE:M93-6.118-035 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010891

000183

Quantitation Results

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Date : 07/08/93

Time : 1710

Datafile : S708S04

010892

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.028
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.000
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.052
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.078
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000184

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	0.755
ANTHRACENE	0.145
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.246
CHRYSENE-D12	20.000
PYRENE	0.286
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.098
CHRYSENE	0.024
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010893

Datafile : S708S04

010894

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	38836	62896	155344
NAPHTHALENE-D8	208080	341536	832320
ACENAPHTHENE-D10	117574	201200	470296
PHENANTHRENE-D10	202390	328372	809560
CHRYSENE-D12	247752	252740	991008
PERYLENE-D12	106610	163412	426440

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.72	10.75
NAPHTHALENE-D8	13.95	13.99
ACENAPHTHENE-D10	18.61	18.66
PHENANTHRENE-D10	22.60	22.64
CHRYSENE-D12	30.03	30.05
PERYLENE-D12	37.03	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)	bb	360
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000186

010894

010895

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#78

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-036

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S708S05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.7

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	324	J
218-01-9	Chrysene	300	J
205-99-2	Benzo(b)fluoranthene	159	J
207-08-9	Benzo(k)fluoranthene	669	U
50-32-8	Benzo(a)pyrene	127	J
193-39-5	Indeno(1,2,3-cd)pyrene	669	U
53-70-3	Dibenz(a,h)anthracene	669	U

010896

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#78

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-036

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S708S05

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 98.7

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

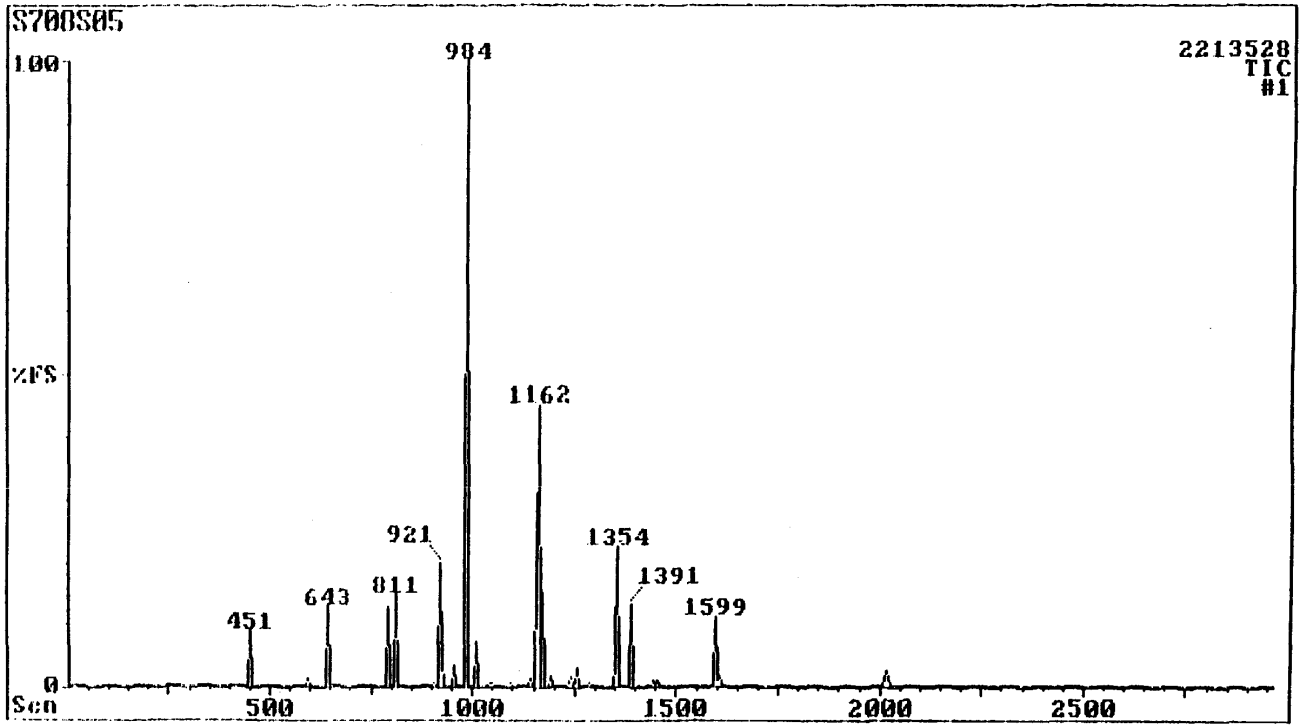
GPC Cleanup: (Y/N) N

Dilution Factor: 2,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	669	U
208-96-8	Acenaphthylene	669	U
83-32-9	Acenaphthene	236	J
86-73-7	Fluorene	439	J
85-01-8	Phenanthrene	2410	
120-12-7	Anthracene	811	
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	993	
56-55-3	Benzo(a)anthracene	324	J
218-01-9	Chrysene	300	J
205-99-2	Benzo(b)fluoranthene	159	J
207-08-9	Benzo(k)fluoranthene	669	U
50-32-8	Benzo(a)pyrene	127	J
193-39-5	Indeno(1,2,3-cd)pyrene	669	U
53-70-3	Dibenz(a,h)anthracene	669	U
191-24-2	Benzo(g,h,i)perylene	669	U

INJ DATE:07/08/93 FILE:S708S05

INJ TIME:1811 SAMPLE:M93-6.118-036 F.V=20ML X2000 DI SV-GCMS#1-TRIO-2



010897

000189

Quantitation Results

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Date : 07/08/93

Time : 1811

Datafile : S708S05

010898

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.710
4-CHLOROANILINE	0.178
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.426
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.000
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.474
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	3.534
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	3.360
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	6.566
4-NITROANILINE	0.228
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	35.738
ANTHRACENE	12.032
CARBAZOLE	1.991
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	17.738
CHRYSENE-D12	20.000
PYRENE	14.664
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	4.851
CHRYSENE	4.493
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	2.378
BENZO(K)FLUORANTHENE	0.763
BENZO(A)PYRENE	1.898
INDENO(1,2,3-CD)PYRENE	0.739
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.278

010899

010900

Datafile : S70SS05

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	38836	62560	155344
NAPHTHALENE-D8	208080	323000	832320
ACENAPHTHENE-D10	117574	188512	470296
PHENANTHRENE-D10	202390	312776	809560
CHRYSENE-D12	247752	255648	991008
PERYLENE-D12	106610	170744	426440

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.72	10.77
NAPHTHALENE-D8	13.95	14.00
ACENAPHTHENE-D10	18.61	18.67
PHENANTHRENE-D10	22.60	22.64
CHRYSENE-D12	30.03	30.05
PERYLENE-D12	37.03	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)		0
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
KBB 7/9/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010901

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#79

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-037

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S708S06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	71.7	J
218-01-9	Chrysene	50.7	J
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

010902

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#79

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-037

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S708S06

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.6

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

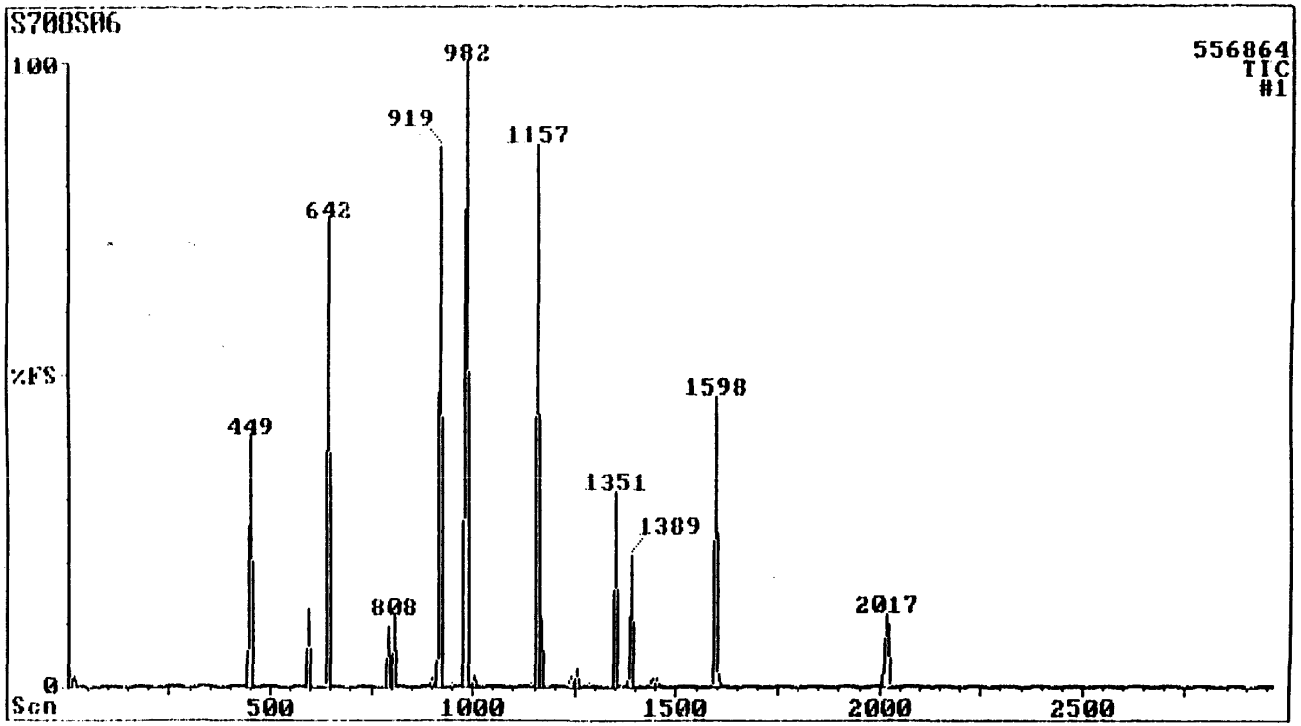
Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	331	U
85-01-8	Phenanthrene	213	J
120-12-7	Anthracene	66.8	J
206-44-0	Fluoranthene	196	J
129-00-0	Pyrene	179	J
56-55-3	Benzo(a)anthracene	71.7	J
218-01-9	Chrysene	50.7	J
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/08/93 FILE:S708S06
INJ TIME:1911 SAMPLE:M93-6.118-037 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



000195

010903

010903

Quantitation Results

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Date : 07/08/93

Time : 1911

Datafile : S708S06

010904

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.084
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.051
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.103
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.116
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.203
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.390
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000196

010904

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	6.427
ANTHRACENE	2.019
CARBAZOLE	0.264
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	5.932
CHRYSENE-D12	20.000
PYRENE	5.419
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	2.166
CHRYSENE	1.531
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.991
BENZO(K)FLUORANTHENE	0.329
BENZO(A)PYRENE	0.557
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010905

010906

Datafile : S708S06

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	38836	70816	155344
NAPHTHALENE-D8	208080	375772	832320
ACENAPHTHENE-D10	117574	226240	470296
PHENANTHRENE-D10	202390	361676	809560
CHRYSENE-D12	247752	288724	991008
PERYLENE-D12	106610	168960	426440

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.72	10.74
NAPHTHALENE-D8	13.95	13.98
ACENAPHTHENE-D10	18.61	18.63
PHENANTHRENE-D10	22.60	22.63
CHRYSENE-D12	30.03	30.03
PERYLENE-D12	37.03	37.07

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	780
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBD 7/9/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000198

010906

010907

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#80

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-038

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S708S07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	40.2	J
218-01-9	Chrysene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U

010908

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#80

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-038

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S708S07

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.9

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/08/93

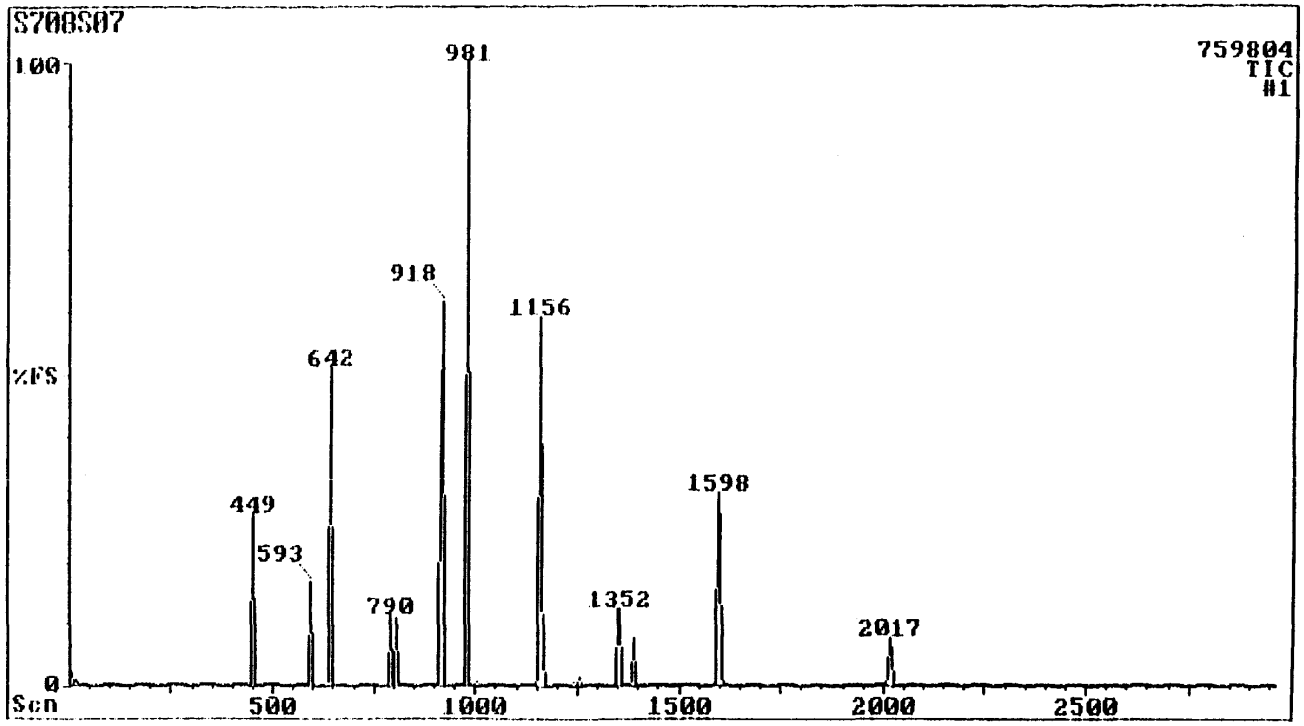
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	330	U
208-96-8	Acenaphthylene	330	U
83-32-9	Acenaphthene	330	U
86-73-7	Fluorene	330	U
85-01-8	Phenanthrene	158	J
120-12-7	Anthracene	42.1	J
206-44-0	Fluoranthene	132	J
129-00-0	Pyrene	108	J
56-55-3	Benzo(a)anthracene	40.2	J
218-01-9	Chrysene	330	J
205-99-2	Benzo(b)fluoranthene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
50-32-8	Benzo(a)pyrene	330	U
193-39-5	Indeno(1,2,3-cd)pyrene	330	U
53-70-3	Dibenz(a,h)anthracene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U

INJ DATE:07/08/93 FILE:S708S07

INJ TIME:2012 SAMPLE:M93-6.118-038 F.V=10ML X1000 DI SV-GCMS#1-TRIO-2



010201

010909

010909

Quantitation Results

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Date : 07/08/93

Time : 2012

Datafile : S708S07

010910

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.017
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.000
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.050
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.098
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.170
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.063
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.376
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000202

010910

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	4.799
ANTHRACENE	1.277
CARBAZOLE	0.022
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	3.995
CHRYSENE-D12	20.000
PYRENE	3.286
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	1.219
CHRYSENE	0.971
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.522
BENZO(K)FLUORANTHENE	0.182
BENZO(A)PYRENE	0.238
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010911

010912

Datafile : S708S07

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	38836	61588	155344
NAPHTHALENE-D8	208080	362432	832320
ACENAPHTHENE-D10	117574	212848	470296
PHENANTHRENE-D10	202390	320228	809560
CHRYSENE-D12	247752	257296	991008
PERYLENE-D12	106610	158044	426440

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.72	10.74
NAPHTHALENE-D8	13.95	13.98
ACENAPHTHENE-D10	18.61	18.62
PHENANTHRENE-D10	22.60	22.62
CHRYSENE-D12	30.03	30.04
PERYLENE-D12	37.03	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.0	(30-115)		0
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

Diluted out
FBB 7/1/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000204

010913

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#81

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-039

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S709S02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/09/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	121	J
218-01-9	Chrysene	331	U
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

#81

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-039

Sample wt/vol: 30.0 (g/mL) G

Lab File ID: S709S02

Level: (low/med) LOW

Date Received: 6/28/93

% Solid: not dec. 99.8

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/09/93

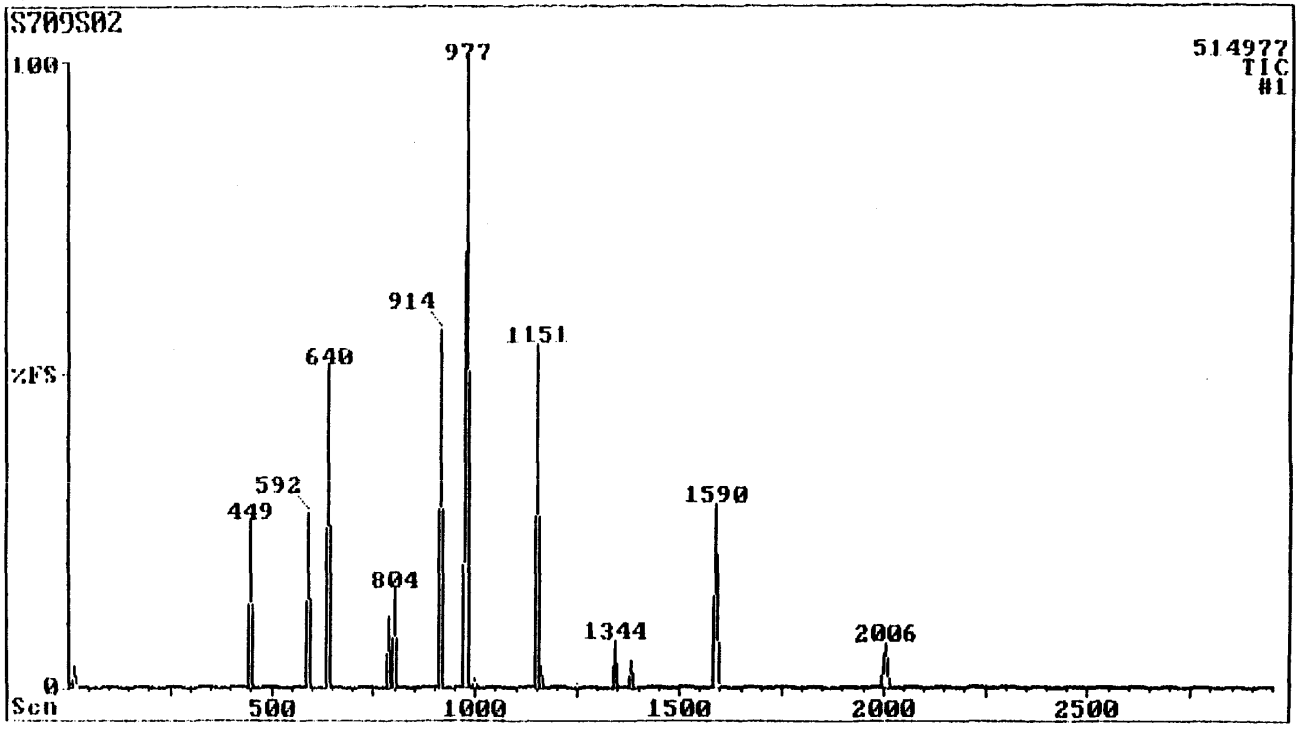
GPC Cleanup: (Y/N) N

Dilution Factor: 1,000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	331	U
208-96-8	Acenaphthylene	331	U
83-32-9	Acenaphthene	331	U
86-73-7	Fluorene	331	U
85-01-8	Phenanthrene	121	J
120-12-7	Anthracene	331	U
206-44-0	Fluoranthene	69.8	J
129-00-0	Pyrene	331	U
56-55-3	Benzo(a)anthracene	331	U
218-01-9	Chrysene	331	U
205-99-2	Benzo(b)fluoranthene	331	U
207-08-9	Benzo(k)fluoranthene	331	U
50-32-8	Benzo(a)pyrene	331	U
193-39-5	Indeno(1,2,3-cd)pyrene	331	U
53-70-3	Dibenz(a,h)anthracene	331	U
191-24-2	Benzo(g,h,i)perylene	331	U

INJ DATE:07/09/93 FILE:S709S02

INJ TIME:1300 SAMPLE:M93-6.118-039 F.V= 10ML X1000 D SV-GCMS#1-TRIO-2



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Quantitation Results

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Date : 07/09/93

Time : 1300

Datafile : S709S02

010916

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.074
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLORDISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.096
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.192
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.023
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.121
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.213
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.319
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000208

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	0.000
PHENANTHRENE	3.646
ANTHRACENE	0.914
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	2.108
CHRYSENE-D12	20.000
PYRENE	2.292
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.923
CHRYSENE	0.607
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.192
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010917

010918

Datafile : S709S02

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	22954	48596	91816
NAPHTHALENE-D8	128716	250592	514864
ACENAPHTHENE-D10	74166	148196	296664
PHENANTHRENE-D10	125068	228836	500272
CHRYSENE-D12	164562	169688	658248
PERYLENE-D12	58010	106184	232040

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.82	10.77
NAPHTHALENE-D8	14.04	14.01
ACENAPHTHENE-D10	18.68	18.63
PHENANTHRENE-D10	22.67	22.62
CHRYSENE-D12	30.12	30.05
PERYLENE-D12	37.11	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0	bb		412	
NITROBENZENE-D5	0	0.1	(23-120)	bb	520
2-FLUOROBIPHENYL	0	0.2	(30-115)	bb	2184
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/9/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000210

010918

010919

CALIBRATIONS

CHESTER LABNET-HOUSTON

000211

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

:b Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/06/93 Time:1049

Lab File ID: S706C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.709	-14.9*
BIS(2-CHLOROETHYL)ETHER		1.863	2.058	-10.5
2-CHLOROPHENOL		1.637	1.829	-11.8
1,3-DICHLOROBENZENE		1.515	1.597	-5.4
1,4-DICHLOROBENZENE	*	1.624	1.831	-12.7*
BENZYL ALCOHOL		1.301	1.448	-11.4
1,2-DICHLOROBENZENE		1.698	2.002	-17.9
2-METHYLPHENOL		1.734	2.052	-18.4
BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.059	-4.0
4-METHYLPHENOL		1.934	2.264	-17.1
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.756	-14.8#
HEXACHLOROETHANE		0.646	0.700	-8.4
NITROBENZENE		0.391	0.445	-13.8
ISOPHORONE		0.827	0.940	-13.7
2-NITROPHENOL	*	0.186	0.188	-1.0*
2,4-DIMETHYLPHENOL		0.350	0.409	-16.8
BENZOIC ACID		0.148	0.184	-23.8
BIS(2-CHLOROETHOXY)METHANE		0.524	0.589	-12.3
2,4-DICHLOROPHENOL	*	0.292	0.353	-21.0*
1,2,4-TRICHLOROBENZENE		0.280	0.340	-21.5
NAPHTHALENE		1.253	1.541	-23.0
4-CHLOROANILINE		0.475	0.532	-11.9
HEXACHLOROBUTADIENE	*	0.131	0.154	-17.4*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.449	-20.0*
2-METHYLNAPHTHALENE		0.913	1.257	-37.6
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.246	-25.2#
2,4,6-TRICHLOROPHENOL	*	0.343	0.389	-13.4*
2,4,5-TRICHLOROPHENOL		0.376	0.422	-12.3
2-CHLORONAPHTHALENE		1.160	1.373	-18.3
2-NITROANILINE		0.513	0.571	-11.4
DIMETHYLPHTHALATE		1.391	1.592	-14.4
ACENAPHTHYLENE		2.306	2.747	-19.1
2,6-DINITROTOLUENE		0.301	0.322	-7.0
3-NITROANILINE		0.375	0.391	-4.2
ACENAPHTHENE	*	1.399	1.637	-17.0*
2,4-DINITROPHENOL	#	0.122	0.143	-17.4#
4-NITROPHENOL	#	0.161	0.179	-11.5#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

b Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/06/93 Time:1049

Lab File ID: S706C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		$\overline{RRF}$	RRF80	%D
DIBENZOFURAN		1.847	2.184	-18.3
2,4-DINITROTOLUENE		0.397	0.417	-4.9
DIETHYLPHTHALATE		1.668	1.966	-17.9
4-CHLOROPHENYL-PHENYL ETHER		0.686	0.855	-24.7
FLUORENE		1.751	2.245	-28.3
4-NITROANILINE		0.494	0.578	-17.1
4,6-DINITRO-2-METHYLPHENOL		0.121	0.121	-0.4
N-NITROSODIPHENYLAMINE (1)	*	0.641	0.707	-10.2*
4-BROMOPHENYL-PHENYL ETHER		0.217	0.222	-2.5
HEXACHLOROBENZENE		0.210	0.227	-8.3
PENTACHLOROPHENOL	*	0.134	0.137	-1.8*
PHENANTHRENE		1.519	1.745	-14.8
ANTHRACENE		1.548	1.839	-18.8
CARBAZOLE		1.290	1.363	-5.6
DI-N-BUTYLPHTHALATE		1.921	2.208	-15.0
FLUORANTHENE	*	1.590	1.963	-23.5*
PYRENE		1.237	1.315	-6.4
BUTYLBENZYLPHTHALATE		0.638	0.654	-2.4
3,3'-DICHLOROBENZIDINE		0.315	0.319	-1.2
BENZO(A)ANTHRACENE		1.170	1.195	-2.2
CHRYSENE		1.111	1.148	-3.3
BIS(2-ETHYLHEXYL)PHTHALATE		0.890	0.982	-10.3
DI-N-OCTYLPHTHALATE	*	3.575	4.179	-16.9*
BENZO(B)FLUORANTHENE		2.120	2.354	-11.0
BENZO(K)FLUORANTHENE		2.618	2.913	-11.3
BENZO(A)PYRENE	*	1.863	2.045	-9.7*
INDENO(1,2,3-CD)PYRENE		0.929	0.906	2.5
DIBENZ(A,H)ANTHRACENE		1.026	1.117	-8.9
BENZO(G,H,I)PERYLENE		0.972	1.103	-13.4
2-FLUOROPHENOL		1.104	0.985	10.8
PHENOL-d6		1.981	2.144	-8.2
NITROBENZENE-D5		0.378	0.409	-8.0
2-FLUOROBIPHENYL		1.302	1.598	-22.8
2,4,6-TRIBROMOPHENOL		0.133	0.142	-6.9

(1) Cannot be separated from Diphenylamine

FORM VII SV-2 1/87 Rev.

%D

			MEAN	80	
4	PHENOL	C	2.357	2.709	-14.9
[illegible]	BIS(2-CHLOROETHYL)ETHER		1.863	2.058	-10.5
	2-CHLOROPHENOL		1.637	1.829	-11.8
7	1,3-DICHLOROBENZENE		1.515	1.597	-5.4
8	1,4-DICHLOROBENZENE	C	1.624	1.831	-12.7
9	BENZYL ALCOHOL		1.301	1.448	-11.4
10	1,2-DICHLOROBENZENE		1.698	2.002	-17.9
11	2-METHYLPHENOL		1.734	2.052	-18.4
12	BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.059	-4.0
13	4-METHYLPHENOL		1.934	2.264	-17.1
14	N-NITROSO-DI-N-PROPYLAMINE	P	1.529	1.756	-14.8
15	HEXACHLOROETHANE		0.646	0.700	-8.4
18	NITROBENZENE		0.391	0.445	-13.8
19	ISOPHORONE		0.827	0.940	-13.7
20	2-NITROPHENOL	C	0.186	0.188	-1.0
21	2,4-DIMETHYLPHENOL		0.350	0.409	-16.8
22	BENZOIC ACID		0.148	0.184	-23.8
23	BIS(2-CHLOROETHOXY)METHANE		0.524	0.589	-12.3
24	2,4-DICHLOROPHENOL	C	0.292	0.353	-21.0
25	1,2,4-TRICHLOROBENZENE		0.280	0.340	-21.5
26	NAPHTHALENE		1.253	1.541	-23.0
27	4-CHLOROANILINE		0.475	0.532	-11.9
28	HEXACHLOROBUTADIENE	C	0.131	0.154	-17.4
29	4-CHLORO-3-METHYLPHENOL	C	0.374	0.449	-20.0
30	2-METHYLNAPHTHALENE		0.913	1.257	-37.6
34	HEXACHLOROCYCLOPENTADIENE	P	0.196	0.246	-25.2
35	2,4,6-TRICHLOROPHENOL	C	0.343	0.389	-13.4
36	2,4,5-TRICHLOROPHENOL		0.376	0.422	-12.3
[illegible]	2-CHLORONAPHTHALENE		1.160	1.373	-18.3
[illegible]	2-NITROANILINE		0.513	0.571	-11.4
39	DIMETHYLPHTHALATE		1.391	1.592	-14.4
40	ACENAPHTHYLENE		2.306	2.747	-19.1
41	2,6-DINITROTOLUENE		0.301	0.322	-7.0
42	3-NITROANILINE		0.375	0.391	-4.2
43	ACENAPHTHENE	C	1.399	1.637	-17.0
44	2,4-DINITROPHENOL	P	0.122	0.143	-17.4
45	4-NITROPHENOL	P	0.161	0.179	-11.5
46	DIBENZOFURAN		1.847	2.184	-18.3
47	2,4-DINITROTOLUENE		0.397	0.417	-4.9
48	DIETHYLPHTHALATE		1.668	1.966	-17.9
49	4-CHLOROPHENYL-PHENYL ETHER		0.686	0.855	-24.7
50	FLUORENE		1.751	2.245	-28.3
51	4-NITROANILINE		0.494	0.578	-17.1
53	4,6-DINITRO-2-METHYLPHENOL		0.121	0.121	-0.4
54	N-NITROSODIPHENYLAMINE	C	0.641	0.707	-10.2
55	4-BROMOPHENYL-PHENYL ETHER		0.217	0.222	-2.5
56	HEXACHLOROBENZENE		0.210	0.227	-8.3
57	PENTACHLOROPHENOL	C	0.134	0.137	-1.8
58	PHENANTHRENE		1.519	1.745	-14.8
59	ANTHRACENE		1.548	1.839	-18.8
60	CARBAZOLE		1.290	1.363	-5.6
61	DI-N-BUTYLPHTHALATE		1.921	2.208	-15.0
62	FLUORANTHENE	C	1.590	1.963	-23.5
64	PYRENE		1.237	1.315	-6.4
[illegible]	BUTYLBENZYLPHTHALATE		0.638	0.654	-2.4
[illegible]	3,3'-DICHLOROBENZIDINE		0.315	0.319	-1.2
67	BENZO(A)ANTHRACENE		1.170	1.195	-2.2
68	CHRYSENE		1.111	1.148	-3.3
69	BIS(2-ETHYLHEXYL)PHTHALATE		0.890	0.982	-10.3
71	DI-N-OCTYLPHTHALATE	C	3.575	4.179	-16.9
72	BENZO(B)FLUORANTHENE		2.120	2.354	-11.0

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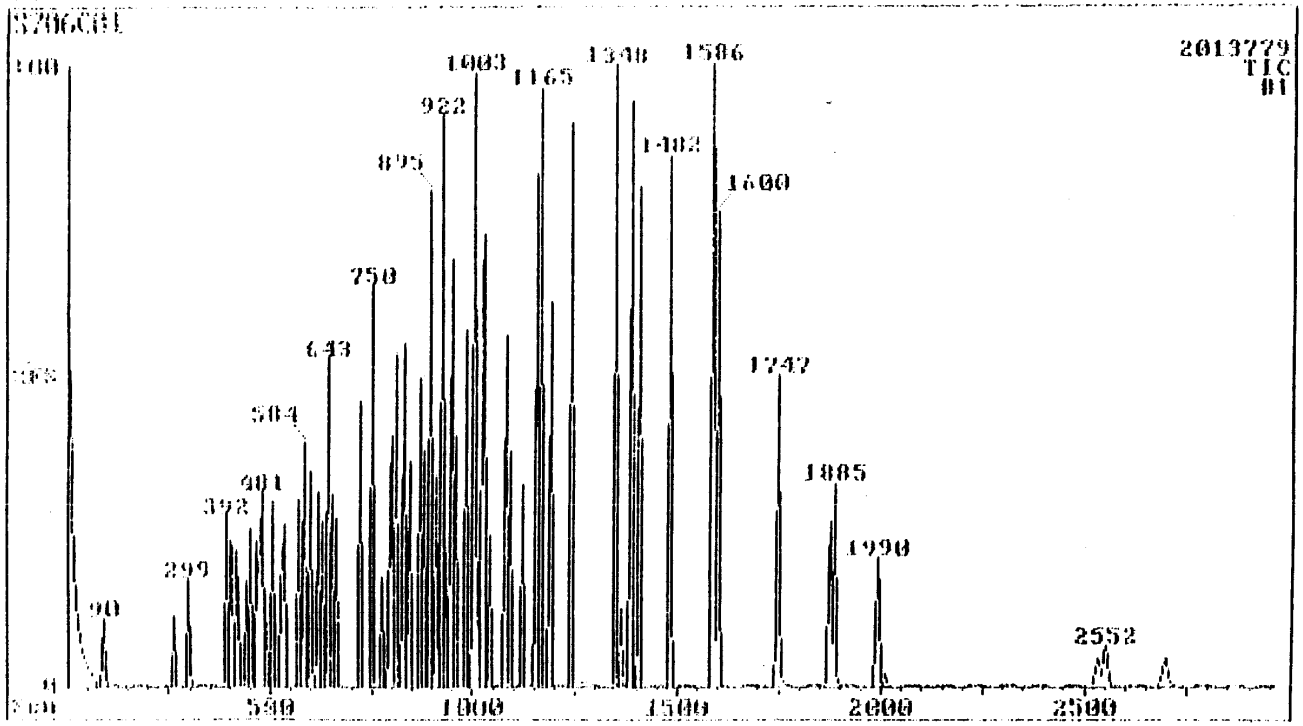
73	BENZO(K)FLUORANTHENE		2.618	2.913	-11.3
74	BENZO(A)PYRENE	C	1.863	2.045	-9.7
75	INDENO(1,2,3-CD)PYRENE		0.929	0.906	2.5
76	DIBENZ(A,H)ANTHRACENE		1.026	1.117	-8.9
77	BENZO(G,H,I)PERYLENE		0.972	1.103	-13.4
2	2-FLUOROPHENOL	S	1.104	0.985	10.8
3	PHENOL-d6	S	1.981	2.144	-8.2
17	NITROBENZENE-D5	S	0.378	0.409	-8.0
32	2-FLUOROBIPHENYL	S	1.302	1.598	-22.8
33	2,4,6-TRIBROMOPHENOL	S	0.133	0.142	-6.9

010923

000215

HLJ DATE:07/06/93 FILE:S706C01
HLJ TIME:1049 SAMPLE:00 NG SSTD 63-147-2 SO-GCMS01-TR10-2



GUAN DB : S706C01 LAB-BASE GUAN 07/07/93 0816

010925

No.	Name	R.	GM	Scan	RT	F.F	Area	Conc
1	1,4-DICHLOROBENZENE-D4	1	152	448	10.733	bb	29876	20.00000
2	2-FLUOROPHENOL	1	112	262	7.607	bv	117696	80.00000
3	PHENOL-d6	1	99	390	9.760	bb	256256	80.00000
4	PHENOL	1	94	392	9.793	bv	323680	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	408	10.063	vv	245936	80.00000
6	2-CHLOROPHENOL	1	128	417	10.214	bb	218632	80.00000
7	1,3-DICHLOROBENZENE	1	146	440	10.601	bb	190872	80.00000
8	1,4-DICHLOROBENZENE	1	146	451	10.786	bb	218800	80.00000
9	BENZYL ALCOHOL	1	108	466	11.032	bv	173090	80.00000
10	1,2-DICHLOROBENZENE	1	146	473	11.156	bb	239244	80.00000
11	2-METHYLPHENOL	1	108	481	11.290	bb	245276	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	490	11.442	vb	126544	80.00000
13	4-METHYLPHENOL	1	108	503	11.660	bb	270596	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	506	11.711	bb	209840	80.00000
15	HEXACHLOROETHANE	1	117	524	12.014	bb	83616	80.00000
16	NAPHTHALENE-D8	16	136	640	13.965	bb	169172	20.00000
17	NITROBENZENE-D5	16	82	530	12.115	vb	276508	80.00000
18	NITROBENZENE	16	77	533	12.165	bb	301276	80.00000
19	ISOPHORONE	16	82	568	12.754	bb	636232	80.00000
20	2-NITROPHENOL	16	139	580	12.956	bb	127116	80.00000
21	2,4-DIMETHYLPHENOL	16	107	594	13.023	bb	276709	80.00000
22	BENZOIC ACID	16	122	598	13.258	vb	124320	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	600	13.292	bb	398376	80.00000
24	2,4-DICHLOROPHENOL	16	162	616	13.561	bb	239136	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	630	13.797	bb	230251	80.00000
26	NAPHTHALENE	16	128	643	14.015	bb	1042469	80.00000
27	4-CHLOROANILINE	16	127	650	14.133	bb	359724	80.00000
28	HEXACHLOROBUTADIENE	16	225	661	14.319	bb	124196	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	722	15.344	bb	333748	80.00000
30	2-METHYLNAPHTHALENE	16	142	750	15.815	bb	850284	80.00000
31	ACENAPHTHENE-D10	31	164	916	18.607	bb	126076	20.00000
32	2-FLUOROBIPHENYL	31	172	807	16.774	bb	825744	80.00000
33	2,4,6-TRIBROMOPHENOL	31	330	1041	22.709	bb	71448	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	774	16.219	bb	123844	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	793	16.538	bv*	196204	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	799	16.639	vb	213200	80.00000
37	2-CHLORONAPHTHALENE	31	162	829	17.127	bb	692544	80.00000
38	2-NITROANILINE	31	65	843	17.379	bb	237932	80.00000
39	DIMETHYLPHTHALATE	31	163	871	17.850	bb	832332	80.00000
40	ACENAPHTHYLENE	31	152	895	18.254	bb	1365072	80.00000
41	2,6-DINITROTOLUENE	31	165	891	18.018	bb	162552	80.00000
42	3-NITROANILINE	31	138	908	18.472	bb	196944	80.00000
43	ACENAPHTHENE	31	153	922	18.709	bb	825780	80.00000
44	2,4-DINITROPHENOL	31	184	924	18.742	bv	71972	80.00000
45	4-NITROPHENOL	31	109	931	18.859	bb	90500	80.00000
46	DIBENZOFURAN	31	168	949	19.162	bb	1121552	80.00000
47	2,4-DINITROTOLUENE	31	165	945	19.095	bb	212225	80.00000
48	DIETHYLPHTHALATE	31	149	991	19.700	bb	991420	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1001	20.037	bb	471372	80.00000
50	FLUORENE	31	166	1003	20.070	bb	1172272	80.00000

000217

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No.	Name	R.	QM	Scan	RT	P.F	Area	Conc
1	4-NITROANILINE	31	138	1005	20.104	bv	291568	80.00000
52	PHENANTHRENE-D10	52	188	1152	22.576	bb	224420	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1009	20.171	bb	109020	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1020	20.356	bb	634624	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1079	21.349	bb	199328	80.00000
56	HEXACHLOROBENZENE	52	284	1090	21.534	bb	204144	80.00000
57	PENTACHLOROPHENOL	52	266	1120	22.038	bb	122964	60.00000
58	PHENANTHRENE	52	178	1156	22.644	bv	1566216	60.00000
59	ANTHRACENE	52	178	1165	22.795	vb	1651244	80.00000
60	CARBAZOLE	52	167	1168	23.182	bv	1223152	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1239	24.040	bb	1982504	80.00000
62	FLUORANTHENE	52	202	1348	25.873	bb	1762212	80.00000
63	CHRYSENE-D12	63	240	1594	30.011	bb	350440	20.00000
64	PYRENE	63	202	1386	26.512	bb	1247948	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1482	28.127	bv	916136	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1583	29.826	bv	447329	80.00000
67	BENZO(A)ANTHRACENE	63	228	1592	29.977	bv	1675434	80.00000
68	CHRYSENE	63	228	1600	30.112	vv	1608574	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1586	29.876	bv	1376592	60.00000
70	PERYLENE-D12	70	264	2008	36.974	bb	113768	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1747	32.584	bb	1901940	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1875	34.737	bv	1071031	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1885	34.905	vv	1225473	80.00000
74	BENZO(A)PYRENE	70	252	1990	36.671	bv	770439	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2533	45.905	bv	412225	80.00000
76	DIBENZ(A,H)ANTHRACENE	70	278	2552	46.124	bv	528166	80.00000
77	BENZO(G,H,I)PERYLENE	70	276	2496	48.580	bv	301810	80.00000

000218

010927

ew Datafile : S706C01 Quan DB : S706C01
d DB : 8270A Scan DB : S706C01

No.	MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Fred	QM	Compound Name
1	100	94	96	-4	29876	bb	448	452	152	1,4-DICHLOROBENZENE-D4
2	100	96	98	-1	117696	bv	262	263	112	2-FLUOROPHENOL
3	100	83	89	0	256256	bb	390	390	99	PHENOL-d6
4	100	94	99	0	323680	bv	392	392	94	PHENOL
5	73	65	66	-1	245936	vv	408	409	93	BIS(2-CHLOROETHYL)ETHER
6	96	75	78	0	218632	bb	417	417	128	2-CHLOROPHENOL
7	100	96	98	0	190872	bb	440	440	146	1,3-DICHLOROBENZENE
8	100	95	98	0	218800	bb	451	451	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	173080	bv	466	467	108	BENZYL ALCOHOL
10	100	91	98	-1	239244	bb	473	474	146	1,2-DICHLOROBENZENE
11	100	95	98	1	245276	bb	481	480	108	2-METHYLPHENOL
12	100	81	95	0	126544	vb	490	490	45	BIS(2-CHLOROISOPROPYL)ETHE
	91	95	97	-3	283680	bv	487			
13	96	76	78	0	270596	bb	503	503	108	4-METHYLPHENOL
14	100	95	99	-1	209940	bb	506	507	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	96	97	0	63616	bb	524	524	117	HEXACHLOROETHANE
16	100	91	95	-5	169172	bb	540	546	136	NAPHTHALENE-D8
17	57	49	50	1	276508	vb	530	529	82	NITROBENZENE-D5
18	100	96	98	0	301276	bb	533	533	77	NITROBENZENE
19	100	93	98	0	636232	bb	568	568	82	ISOPHORONE
20	100	97	99	0	127116	bb	580	580	109	2-NITROPHENOL
21	100	95	99	0	276709	bb	584	584	107	2,4-DIMETHYLPHENOL
22	93	80	83	-2	124380	vb	598	600	122	BENZOIC ACID
23	100	90	98	0	398376	bb	600	600	93	BIS(2-CHLOROETHOXY)METHANE
24	100	95	98	1	229136	bb	616	615	162	2,4-DICHLOROPHENOL
25	100	94	97	0	230252	bb	630	630	180	1,2,4-TRICHLOROBENZENE
26	100	95	99	0	1242468	bb	643	643	128	NAPHTHALENE
27	100	90	95	1	359724	bb	650	649	127	4-CHLOROANILINE
28	100	94	97	0	104196	bb	661	661	225	HEXACHLOROBUTADIENE
29	100	94	99	0	323748	bb	722	722	107	4-CHLORO-3-METHYLPHENOL
30	100	90	97	0	850284	bb	750	750	142	2-METHYLNAPHTHALENE
31	100	95	98	-8	126076	bb	916	924	164	ACENAPHTHENE-D10
32	100	91	99	0	905744	bb	807	807	172	2-FLUOROBIPHENYL
33	100	86	96	1	71448	bb	1041	1040	330	2,4,6-TRIBROMOPHENOL
34	100	80	94	0	123644	bb	774	774	237	HEXACHLOROCYCLOPENTADIENE
35	100	93	97	0	196204	bv*	793	793	196	2,4,6-TRICHLOROPHENOL
36	100	93	98	0	213000	vb	799	799	196	2,4,5-TRICHLOROPHENOL
37	100	94	99	1	692544	bb	828	827	162	2-CHLORONAPHTHALENE
38	100	97	99	1	287988	bb	847	842	65	2-NITROANILINE
39	100	91	98	1	502832	bb	871	870	163	DIMETHYLPHTHALATE
40	100	92	99	1	1128072	bb	875	874	152	ACENAPHTHYLENE
41	100	96	99	0	162552	bb	881	881	165	2,6-DINITROTOLUENE
42	100	95	99	1	196944	bb	908	907	138	3-NITROANILINE
43	100	93	96	1	825780	bb	922	921	153	ACENAPHTHENE
44	100	87	94	1	71972	bv	924	923	184	2,4-DINITROPHENOL
45	100	94	97	1	90520	bb	931	929	109	4-NITROPHENOL
46	100	83	96	0	1121532	bb	949	949	168	DIBENZOFURAN
47	100	95	98	1	212228	bb	945	944	165	2,4-DINITROTOLUENE
48	100	97	98	0	991408	bb	991	991	149	DIETHYLPHTHALATE
49	100	88	98	0	471772	bb	1001	1001	204	4-CHLOROPHENYL-PHENYL ETHE
50	100	77	96	0	1172272	bb	1003	1003	166	FLUORENE
51	100	74	97	0	291568	bv	1005	1005	138	4-NITROANILINE
52	97	91	97	-9	224428	bb	1152	1161	188	PHENANTHRENE-D10

000219

54	92	77	80	1	634624	bb	1020	1019	169	N-NITROSODIPHENYLAMINE
55	100	89	96	1	199328	bb	1079	1078	248	4-BROMOPHENYL-PHENYL ETHER
56	100	92	92	0	204144	bb	1090	1090	284	HEXACHLOROBENZENE
57	100	87	97	0	122864	bb	1120	1120	266	PENTACHLOROPHENOL
58	100	93	99	0	1586216	bv	1156	1156	178	PHENANTHRENE
59	100	91	98	0	1651244	vb	1165	1165	178	ANTHRACENE
60	100	84	90	1	1223150	bv	1188	1187	167	CARBAZOLE
61	100	91	99	1	1992504	bb	1239	1238	149	DI-N-BUTYLPHTHALATE
62	100	92	98	2	1762212	bb	1346	1346	202	FLUORANTHENE
63	72	62	81	-10	350440	bb	1594	1604	240	CHRYSENE-D12
64	100	91	98	1	1943948	bb	1386	1388	202	PYRENE
65	100	94	99	1	916136	bv	1482	1481	149	BUTYLBENZYLPHTHALATE
66	57	41	59	1	447328	bv	1583	1582	252	3,3'-DICHLOROBENZIDINE
67	100	82	98	0	1675434	bv	1592	1592	228	BENZO(A)ANTHRACENE
68	94	78	86	-1	1608574	vv	1600	1601	228	CHRYSENE
69	100	89	98	1	1376592	bv	1586	1585	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	70	88	91	-19	113768	bb	2008	2027	264	PERYLENE-D12
71	73	87	97	4	1901940	b?	1747	1748	149	DI-N-OCTYLPHTHALATE
72	89	89	98	3	1071031	bv	1875	1872	252	BENZO(B)FLUORANTHENE
73	98	89	98	2	1325473	vv	1885	1883	252	BENZO(K)FLUORANTHENE
74	100	90	98	1	930439	bv	1990	1989	252	BENZO(A)PYRENE
75	100	92	97	0	412205	bv	2533	2533	276	INDENO(1,2,3-CD)PYRENE
76	100	89	97	1	508166	bv	2552	2551	278	DIBENZ(A,H)ANTHRACENE
77	102	94	97	0	501810	bv	2699	2692	276	BENZO(G,H,I)PERYLENE

010928

010929

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Name:C:\LC\RESULT Contract:305692

.ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

nstrument ID: VG2000 Calibration Date:07/06/93 Time:2324

.ab File ID: S706C06 Init. Calib. Date(s): 07/06/93 07/06/93

!in RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.410	-2.3*
BIS(2-CHLOROETHYL)ETHER		1.863	1.898	-1.9
2-CHLOROPHENOL		1.637	1.710	-4.5
1,3-DICHLOROBENZENE		1.515	1.542	-1.8
1,4-DICHLOROBENZENE	*	1.624	1.683	-3.6*
BENZYL ALCOHOL		1.301	1.332	-2.4
1,2-DICHLOROBENZENE		1.698	1.707	-0.6
2-METHYLPHENOL		1.734	1.767	-1.9
BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.113	-9.3
4-METHYLPHENOL		1.934	1.898	1.9
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.691	-10.6#
HEXACHLOROETHANE		0.646	0.703	-8.8
NITROBENZENE		0.391	0.401	-2.6
ISOPHORONE		0.827	0.857	-3.7
2-NITROPHENOL	*	0.186	0.176	5.4*
2,4-DIMETHYLPHENOL		0.350	0.352	-0.6
BENZOIC ACID		0.148	0.185	-24.7
BIS(2-CHLOROETHOXY)METHANE		0.524	0.532	-1.4
2,4-DICHLOROPHENOL	*	0.292	0.288	1.5*
1,2,4-TRICHLOROBENZENE		0.280	0.266	5.1
NAPHTHALENE		1.253	1.210	3.4
4-CHLOROANILINE		0.475	0.476	-0.2
HEXACHLOROBUTADIENE	*	0.131	0.123	6.3*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.389	-4.1*
2-METHYLNAPHTHALENE		0.913	0.916	-0.3
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.209	-6.6#
2,4,6-TRICHLOROPHENOL	*	0.343	0.377	-10.0*
2,4,5-TRICHLOROPHENOL		0.376	0.415	-10.3
2-CHLORONAPHTHALENE		1.160	1.289	-11.1
2-NITROANILINE		0.513	0.582	-13.5
DIMETHYLPHTHALATE		1.391	1.581	-13.6
ACENAPHTHYLENE		2.306	2.581	-11.9
2,6-DINITROTOLUENE		0.301	0.316	-4.9
3-NITROANILINE		0.375	0.403	-7.7
ACENAPHTHENE	*	1.399	1.582	-13.1*
2,4-DINITROPHENOL	#	0.122	0.097	20.5#
4-NITROPHENOL	#	0.161	0.206	-27.8#

FORM VII SV-1 1/87 Rev.

000221

010929

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Name:C:\LC\RESULT Contract:305692

ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

nstrument ID: VG2000 Calibration Date:07/06/93 Time:2324

ab File ID: S706C06 Init. Calib. Date(s): 07/06/93 07/06/93

in RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF80	%D
DIBENZOFURAN	1.847	2.064	-11.7
2,4-DINITROTOLUENE	0.397	0.416	-4.8
DIETHYLPHTHALATE	1.668	1.783	-6.9
4-CHLOROPHENYL-PHENYL ETHER	0.686	0.740	-7.9
FLUORENE	1.751	1.941	-10.9
4-NITROANILINE	0.494	0.538	-9.1
4,6-DINITRO-2-METHYLPHENOL	0.121	0.103	14.8
N-NITROSODIPHENYLAMINE (1) *	0.641	0.666	-3.8*
4-BROMOPHENYL-PHENYL ETHER	0.217	0.190	12.3
HEXACHLOROBENZENE	0.210	0.220	-4.9
PENTACHLOROPHENOL *	0.134	0.129	3.8*
PHENANTHRENE	1.519	1.512	0.5
ANTHRACENE	1.548	1.612	-4.1
CARBAZOLE	1.290	1.272	1.4
DI-N-BUTYLPHTHALATE	1.921	2.026	-5.5
FLUORANTHENE *	1.590	1.627	-2.4*
PYRENE	1.237	1.369	-10.7
BUTYLBENZYLPHTHALATE	0.638	0.715	-12.1
3,3'-DICHLOROBENZIDINE	0.315	0.265	16.0
BENZO(A)ANTHRACENE	1.170	1.229	-5.0
CHRYSENE	1.111	1.189	-7.0
BIS(2-ETHYLHEXYL)PHTHALATE	0.890	1.073	-20.5
DI-N-OCTYLPHTHALATE *	3.575	3.321	7.1*
BENZO(B)FLUORANTHENE	2.120	1.884	11.1
BENZO(K)FLUORANTHENE	2.618	2.366	9.6
BENZO(A)PYRENE *	1.863	1.621	13.0*
INDENO(1,2,3-CD)PYRENE	0.929	0.737	20.7
DIBENZ(A,H)ANTHRACENE	1.026	0.788	23.2
BENZO(G,H,I)PERYLENE	0.972	0.791	18.7
2-FLUOROPHENOL	1.104	1.140	-3.2
PHENOL-d6	1.981	2.005	-1.2
NITROBENZENE-D5	0.378	0.398	-5.1
2-FLUOROBIPHENYL	1.302	1.447	-11.2
2,4,6-TRIBROMOPHENOL	0.133	0.069	47.9

(1) Cannot be separated from Diphenylamine

FORM VII SV-2 1/87 Rev.

DAILY CALIBRATION CHECK

DATE : 07/07/93

TIME : 0924

LAB FILE ID: S706C06

010931

	COMPOUND	FLAG	RF MEAN	RF 80	%D
4	PHENOL	C	2.357	2.410	-2.3
5	BIS(2-CHLOROETHYL)ETHER		1.863	1.898	-1.9
6	2-CHLOROPHENOL		1.637	1.710	-4.5
7	1,3-DICHLOROBENZENE		1.515	1.542	-1.8
8	1,4-DICHLOROBENZENE	C	1.624	1.683	-3.6
9	BENZYL ALCOHOL		1.301	1.332	-2.4
0	1,2-DICHLOROBENZENE		1.698	1.707	-0.6
1	2-METHYLPHENOL		1.734	1.767	-1.9
2	BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.113	-9.3
3	4-METHYLPHENOL		1.934	1.898	1.9
4	N-NITROSO-DI-N-PROPYLAMINE	P	1.529	1.691	-10.6
5	HEXACHLOROETHANE		0.646	0.703	-8.8
8	NITROBENZENE		0.391	0.401	-2.6
9	ISOPHORONE		0.827	0.857	-3.7
0	2-NITROPHENOL	C	0.186	0.176	5.4
1	2,4-DIMETHYLPHENOL		0.350	0.352	-0.6
2	BENZOIC ACID		0.148	0.185	-24.7
3	BIS(2-CHLOROETHOXY)METHANE		0.524	0.532	-1.4
	2,4-DICHLOROPHENOL	C	0.292	0.288	1.5
	1,2,4-TRICHLOROBENZENE		0.280	0.266	5.1
6	NAPHTHALENE		1.253	1.210	3.4
7	4-CHLOROANILINE		0.475	0.476	-0.2
8	HEXACHLOROBUTADIENE	C	0.131	0.123	6.3
9	4-CHLORO-3-METHYLPHENOL	C	0.374	0.389	-4.1
0	2-METHYLNAPHTHALENE		0.913	0.916	-0.3
4	HEXACHLOROCYCLOPENTADIENE	P	0.196	0.209	-6.6
5	2,4,6-TRICHLOROPHENOL	C	0.343	0.377	-10.0
6	2,4,5-TRICHLOROPHENOL		0.376	0.415	-10.3
7	2-CHLORONAPHTHALENE		1.160	1.289	-11.1
8	2-NITROANILINE		0.513	0.582	-13.5
9	DIMETHYLPHTHALATE		1.391	1.581	-13.6
0	ACENAPHTHYLENE		2.306	2.581	-11.9
1	2,6-DINITROTOLUENE		0.301	0.316	-4.9
2	3-NITROANILINE		0.375	0.403	-7.7
3	ACENAPHTHENE	C	1.399	1.582	-13.1
4	2,4-DINITROPHENOL	P	0.122	0.097	20.5
5	4-NITROPHENOL	P	0.161	0.206	-27.8
6	DIBENZOFURAN		1.847	2.064	-11.7
7	2,4-DINITROTOLUENE		0.397	0.416	-4.8
8	DIETHYLPHTHALATE		1.668	1.783	-6.9
9	4-CHLOROPHENYL-PHENYL ETHER		0.686	0.740	-7.9
0	FLUORENE		1.751	1.941	-10.9
1	4-NITROANILINE		0.494	0.538	-9.1
3	4,6-DINITRO-2-METHYLPHENOL		0.121	0.103	14.8
4	N-NITROSODIPHENYLAMINE	C	0.641	0.666	-3.8
	4-BROMOPHENYL-PHENYL ETHER		0.217	0.190	12.3
6	HEXACHLOROBENZENE		0.210	0.220	-4.9
7	PENTACHLOROPHENOL	C	0.134	0.129	3.8
8	PHENANTHRENE		1.519	1.512	0.5
9	ANTHRACENE		1.548	1.612	-4.1
0	CARBAZOLE		1.290	1.272	1.4

62	FLUORANTHENE	C	1.590	1.627	-2.4
64	PYRENE		1.237	1.369	-10.7
65	BUTYLBENZYLPHTHALATE		0.638	0.715	-12.1
66	3,3'-DICHLOROBENZIDINE		0.315	0.265	16.0
67	BENZO(A)ANTHRACENE		1.170	1.229	-5.0
[illegible]	CHRYSENE		1.111	1.189	-7.0
	BIS(2-ETHYLHEXYL)PHTHALATE		0.890	1.073	-20.5
71	DI-N-OCTYLPHTHALATE	C	3.575	3.321	7.1
72	BENZO(B)FLUORANTHENE		2.120	1.884	11.1
73	BENZO(K)FLUORANTHENE		2.618	2.366	9.6
74	BENZO(A)PYRENE	C	1.863	1.621	13.0
75	INDENO(1,2,3-CD)PYRENE		0.929	0.737	20.7
76	DIBENZ(A,H)ANTHRACENE		1.026	0.788	23.2
77	BENZO(G,H,I)PERYLENE		0.972	0.791	18.7
2	2-FLUOROPHENOL	S	1.104	1.140	-3.2
3	PHENOL-d6	S	1.981	2.005	-1.2
17	NITROBENZENE-D5	S	0.378	0.398	-5.1
32	2-FLUOROBIPHENYL	S	1.302	1.447	-11.2
33	2,4,6-TRIBROMOPHENOL	S	0.133	0.069	47.9

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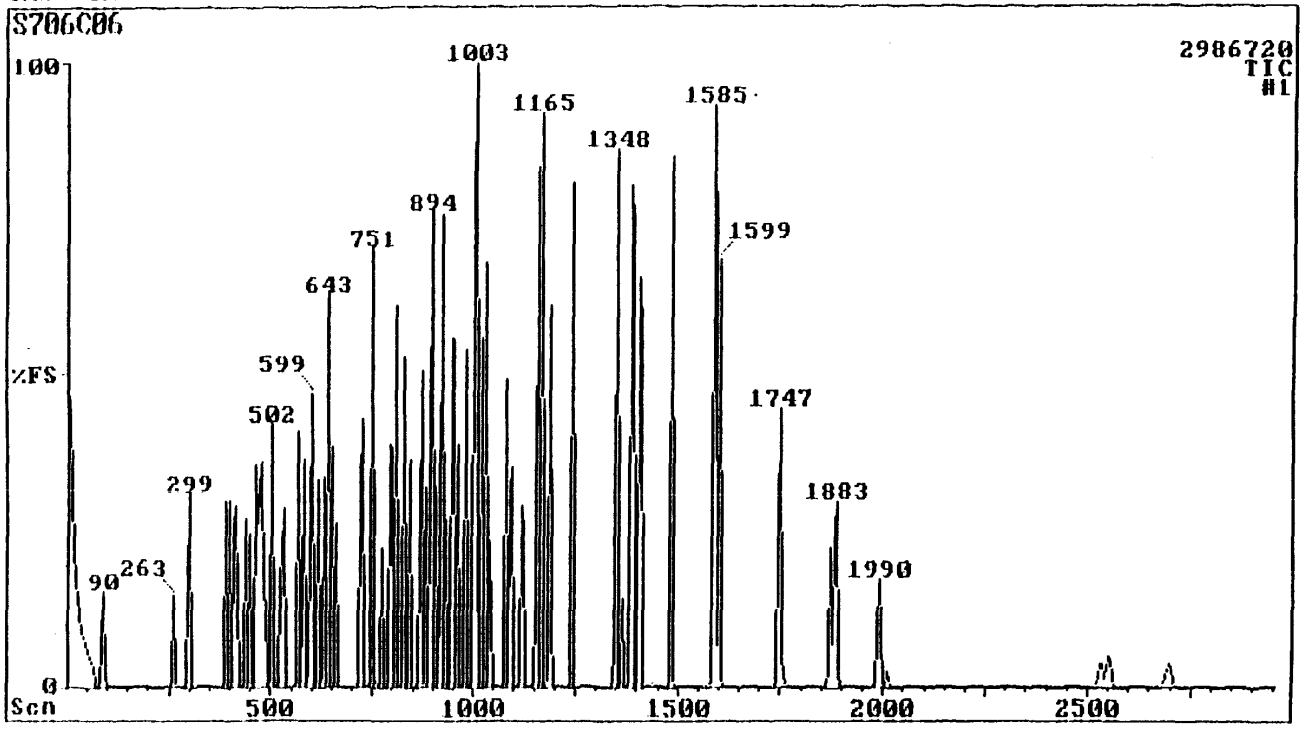
INJ DATE:07/06/93 FILE:S706C06

INJ TIME:2324 SAMPLE:80 NG SSTD 63-147-2 SV-GCMS#1-TRIO-2



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QUAN DB : S706C06 LAB-BASE QUAN 07/07/93 0926

No.	Name	R.	QM	Scan	RT	P.F	Area	Conc
1	1,4-DICHLOROBENZENE-D4	1	152	447	10.738	bb	63688	20.00000
2	2-FLUOROPHENOL	1	112	263	7.635	bv	290436	80.00000
3	PHENOL-d6	1	99	389	9.760	bb	510772	80.00000
4	PHENOL	1	94	391	9.794	bv	614048	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	407	10.064	vv	483520	80.00000
6	2-CHLOROPHENOL	1	128	416	10.215	bb	435700	80.00000
7	1,3-DICHLOROBENZENE	1	146	439	10.603	bv	392752	80.00000
8	1,4-DICHLOROBENZENE	1	146	449	10.772	vb	428624	80.00000
9	BENZYL ALCOHOL	1	108	465	11.042	bv	339280	80.00000
10	1,2-DICHLOROBENZENE	1	146	472	11.160	bb	434860	80.00000
11	2-METHYLPHENOL	1	108	479	11.278	bb	450024	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	489	11.447	vb	283648	80.00000
13	4-METHYLPHENOL	1	108	502	11.666	bb	483420	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	505	11.716	bb	430880	80.00000
15	HEXACHLOROETHANE	1	117	523	12.020	bb	179024	80.00000
16	NAPHTHALENE-D8	16	136	639	13.976	bb	350224	20.00000
17	NITROBENZENE-D5	16	82	529	12.121	vb	557420	80.00000
18	NITROBENZENE	16	77	532	12.172	bb	562344	80.00000
19	ISOPHORONE	16	82	568	12.779	bb	1200416	80.00000
20	2-NITROPHENOL	16	139	580	12.981	bb	246344	80.00000
21	2,4-DIMETHYLPHENOL	16	107	583	13.032	bb	493392	80.00000
22	BENZOIC ACID	16	122	597	13.268	vv	259336	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	599	13.302	bb	745172	80.00000
24	2,4-DICHLOROPHENOL	16	162	616	13.588	bb	402908	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	630	13.824	bb	372536	80.00000
26	NAPHTHALENE	16	128	643	14.044	bv	1695488	80.00000
27	4-CHLOROANILINE	16	127	649	14.145	vb	666828	80.00000
28	HEXACHLOROBUTADIENE	16	225	660	14.330	bb	172144	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	722	15.376	bb	545444	80.00000
30	2-METHYLNAPHTHALENE	16	142	751	15.865	bb	1282544	80.00000
31	ACENAPHTHENE-D10	31	164	916	18.647	bb	198684	20.00000
32	2-FLUOROBIPHENYL	31	172	808	16.826	bb	1150144	80.00000
33	2,4,6-TRIBROMOPHENOL	31	330	1040	20.738	bb	54844	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	775	16.270	bb	166204	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	794	16.590	bv*	299800	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	799	16.674	vb	329816	80.00000
37	2-CHLORONAPHTHALENE	31	162	828	17.163	bb	1024512	80.00000
38	2-NITROANILINE	31	65	843	17.416	bb	462180	80.00000
39	DIMETHYLPHTHALATE	31	163	870	17.872	bb	1256604	80.00000
40	ACENAPHTHYLENE	31	152	894	18.276	bb	2050960	80.00000
41	2,6-DINITROTOLUENE	31	165	880	18.040	bb	251024	80.00000
42	3-NITROANILINE	31	138	907	18.496	bb	320656	80.00000
43	ACENAPHTHENE	31	153	921	18.732	bb	1257412	80.00000
44	2,4-DINITROPHENOL	31	184	923	18.765	bv	76840	80.00000
45	4-NITROPHENOL	31	109	930	18.883	bv	163388	80.00000
46	DIBENZOFURAN	31	168	948	19.187	bb	1640024	80.00000
47	2,4-DINITROTOLUENE	31	165	944	19.120	bb	330944	80.00000
48	DIETHYLPHTHALATE	31	149	981	19.743	bb	1417156	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1001	20.081	bb	588076	80.00000
50	FLUORENE	31	166	1003	20.114	bv	1542216	80.00000

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o.	Name	R.	QM	Scan	RT	P.F	Area	Conc
	4-NITROANILINE	31	138	1004	20.131	bv	427900	80.00000
52	PHENANTHRENE-D10	52	188	1152	22.627	bb	354340	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1009	20.216	bb	145952	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1019	20.384	bv	943832	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1079	21.396	bb	269152	80.00000
56	HEXACHLOROBENZENE	52	284	1090	21.582	bb	312204	80.00000
57	PENTACHLOROPHENOL	52	266	1120	22.088	bb	183244	80.00000
58	PHENANTHRENE	52	178	1157	22.712	bv	2142548	80.00000
59	ANTHRACENE	52	178	1165	22.846	vb	2285204	80.00000
60	CARBAZOLE	52	167	1188	23.234	bv	1803267	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1239	24.094	bb	2871160	80.00000
62	FLUORANTHENE	52	202	1348	25.933	bb	2306548	80.00000
63	CHRYSENE-D12	63	240	1593	30.064	bv	441592	20.00000
64	PYRENE	63	202	1385	26.556	bb	2418224	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1481	28.175	bb	1263264	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1581	29.862	bv	468032	80.00000
67	BENZO(A)ANTHRACENE	63	228	1591	30.030	bv	2170115	80.00000
68	CHRYSENE	63	228	1599	30.165	v?	2100915	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1585	29.929	bv	1895372	80.00000
70	PERYLENE-D12	70	264	2008	37.063	bb	188292	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1747	32.661	b?	2500984	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1873	34.786	bv	1418942	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1883	34.955	vv	1781823	80.00000
74	BENZO(A)PYRENE	70	252	1989	36.742	bv	1220793	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2532	45.899	bv	554960	80.00000
76	DIBENZ(A,H)ANTHRACENE	70	278	2552	46.237	bv	593510	80.00000
	BENZO(G,H,I)PERYLENE	70	276	2698	48.699	bv	595623	80.00000

Interim Report LAB-BASE FIND 07/07/93 0923

Raw Datafile : S706C06 Quan DB : S706C06
d DB : 8270A Scan DB : S706C06

No.	MAT	Spectrum FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	97	90	94	-4	63688	bb	447	451	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	1	290436	bv	263	262	112	2-FLUOROPHENOL
3	100	80	85	0	510772	bb	389	389	99	PHENOL-d6
4	100	91	98	0	614048	bv	391	391	94	PHENOL
5	76	65	67	-1	483520	vv	407	408	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	80	0	435700	bb	416	416	128	2-CHLOROPHENOL
7	100	95	98	0	392752	bv	439	439	146	1,3-DICHLOROBENZENE
8	100	96	99	-1	428624	vb	449	450	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	339280	bv	465	466	108	BENZYL ALCOHOL
10	100	94	98	-1	434860	bb	472	473	146	1,2-DICHLOROBENZENE
11	100	95	98	0	450024	bb	479	479	108	2-METHYLPHENOL
12	100	80	95	0	283648	vb	489	489	45	BIS(2-CHLOROISOPROPYL)ETHE
	81	94	97	-4	544320	bv	485			
13	98	77	79	0	483420	bb	502	502	108	4-METHYLPHENOL
14	100	96	99	-1	430880	bb	505	506	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	95	97	0	179024	bb	523	523	117	HEXACHLOROETHANE
16	100	90	95	-5	350224	bb	639	644	136	NAPHTHALENE-D8
17	58	50	51	1	557420	vb	529	528	82	NITROBENZENE-D5
18	100	96	98	0	562344	bb	532	532	77	NITROBENZENE
19	100	93	98	1	1200416	bb	568	567	82	ISOPHORONE
20	100	96	99	1	246344	bb	580	579	139	2-NITROPHENOL
21	100	95	99	0	493392	bb	583	583	107	2,4-DIMETHYLPHENOL
22	99	84	88	-2	259336	vv	597	599	122	BENZOIC ACID
23	100	86	98	0	745172	bb	599	599	93	BIS(2-CHLOROETHOXY)METHANE
24	100	94	98	2	402908	bb	616	614	162	2,4-DICHLOROPHENOL
25	100	93	97	1	372536	bb	630	629	180	1,2,4-TRICHLOROBENZENE
26	100	94	99	1	1695488	bv	643	642	128	NAPHTHALENE
27	100	89	94	1	666828	vb	649	648	127	4-CHLOROANILINE
28	100	94	97	0	172144	bb	660	660	225	HEXACHLOROBUTADIENE
29	100	94	99	2	545444	bb	722	720	107	4-CHLORO-3-METHYLPHENOL
30	100	88	97	2	1282544	bb	751	749	142	2-METHYLNAPHTHALENE
31	100	94	98	-5	198684	bb	916	921	164	ACENAPHTHENE-D10
32	100	89	99	1	1150144	bb	808	807	172	2-FLUOROBIPHENYL
33	94	70	80	0	54844	bb	1040	1040	330	2,4,6-TRIBROMOPHENOL
34	96	80	87	1	166204	bb	775	774	237	HEXACHLOROCYCLOPENTADIENE
35	100	92	98	1	299800	bv*	794	793	196	2,4,6-TRICHLOROPHENOL
36	100	93	98	0	329816	vb	799	799	196	2,4,5-TRICHLOROPHENOL
	70	91	96	-5	299800	bv	794			
37	100	94	99	1	1024512	bb	828	827	162	2-CHLORONAPHTHALENE
38	100	96	99	1	462180	bb	843	842	65	2-NITROANILINE
39	100	91	98	0	1256604	bb	870	870	163	DIMETHYLPHTHALATE
40	100	93	99	0	2050960	bb	894	894	152	ACENAPHTHYLENE
41	100	96	99	-1	251024	bb	880	881	165	2,6-DINITROTOLUENE
42	100	95	99	0	320656	bb	907	907	138	3-NITROANILINE
43	100	93	96	0	1257412	bb	921	921	153	ACENAPHTHENE
44	98	69	88	0	76840	bv	923	923	184	2,4-DINITROPHENOL
45	100	95	98	1	163388	bv	930	929	109	4-NITROPHENOL
46	100	85	96	-1	1640024	bb	948	949	168	DIBENZOFURAN
47	100	95	99	0	330944	bb	944	944	165	2,4-DINITROTOLUENE
48	100	92	98	0	1417156	bb	981	981	149	DIETHYLPHTHALATE
49	100	82	97	0	588076	bb	1001	1001	204	4-CHLOROPHENYL-PHENYL ETHE
50	100	71	92	0	1542216	bv	1003	1003	166	FLUORENE
51	100	87	97	-1	427900	bv	1004	1005	138	4-NITROANILINE

53	100	92	97	1	145952	bb	1009	1008	198	4,6-DINITRO-2-METHYLPHENOL
54	97	73	82	0	943832	bv	1019	1019	169	N-NITROSODIPHENYLAMINE
55	100.	89	96	1	269152	bb	1079	1078	248	4-BROMOPHENYL-PHENYL ETHER
56	100	92	98	0	312204	bb	1090	1090	284	HEXACHLOROBENZENE
57	100	83	97	0	183244	bb	1120	1120	266	PENTACHLOROPHENOL
58	100	92	98	1	2142548	bv	1157	1156	178	PHENANTHRENE
59	100	91	98	0	2285204	vb	1165	1165	178	ANTHRACENE
60	100	84	90	1	1803267	bv	1188	1187	167	CARBAZOLE
61	100	91	98	1	2871160	bb	1239	1238	149	DI-N-BUTYLPHTHALATE
62	100	92	99	2	2306548	bb	1348	1346	202	FLUORANTHENE
63	80	64	85	-7	441592	bv	1593	1600	240	CHRYSENE-D12
64	100	92	99	1	2418224	bb	1385	1384	202	PYRENE
65	100	93	98	1	1263264	bb	1481	1480	149	BUTYLBENZYLPHTHALATE
66	66	46	59	0	468032	bv	1581	1581	252	3,3'-DICHLOROBENZIDINE
67	100	81	98	0	2170115	bv	1591	1591	228	BENZO(A)ANTHRACENE
68	94	78	86	-1	2100915	v?	1599	1600	228	CHRYSENE
69	100	90	98	1	1895372	bv	1585	1584	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	85	91	97	-14	188292	bb	2008	2022	264	PERYLENE-D12
71	71	85	96	4	2500984	b?	1747	1743	149	DI-N-OCTYLPHTHALATE
72	100	89	98	1	1418942	bv	1873	1872	252	BENZO(B)FLUORANTHENE
73	100	88	99	0	1781823	vv	1883	1883	252	BENZO(K)FLUORANTHENE
74	100	90	98	0	1220793	bv	1989	1989	252	BENZO(A)PYRENE
75	100	94	97	0	554960	bv	2532	2532	276	INDENO(1,2,3-CD)PYRENE
76	100	90	97	1	593510	bv	2552	2551	278	DIBENZ(A,H)ANTHRACENE
	75	72	72	17	24375	!v	2568			
77	100	95	97	0	595623	bv	2698	2698	276	BENZO(G,H,I)PERYLENE

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7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

) Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/07/93 Time:1141

Lab File ID: S706C07 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.085	11.5*
BIS(2-CHLOROETHYL)ETHER		1.863	1.791	3.9
2-CHLOROPHENOL		1.637	1.553	5.1
1,3-DICHLOROBENZENE		1.515	1.450	4.3
1,4-DICHLOROBENZENE	*	1.624	1.539	5.2*
BENZYL ALCOHOL		1.301	1.194	8.2
1,2-DICHLOROBENZENE		1.698	1.436	15.4
2-METHYLPHENOL		1.734	1.630	6.0
BIS(2-CHLOROISOPROPYL)ETHER		1.018	0.952	6.5
4-METHYLPHENOL		1.934	1.774	8.3
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.464	4.3#
HEXACHLOROETHANE		0.646	0.627	2.9
NITROBENZENE		0.391	0.366	6.5
ISOPHORONE		0.827	0.746	9.7
2-NITROPHENOL	*	0.186	0.160	13.8*
2,4-DIMETHYLPHENOL		0.350	0.309	11.6
BENZOIC ACID		0.148	0.170	-14.8
BIS(2-CHLOROETHOXY)METHANE		0.524	0.485	7.6
2,4-DICHLOROPHENOL	*	0.292	0.267	8.7*
1,2,4-TRICHLOROBENZENE		0.280	0.239	14.5
NAPHTHALENE		1.253	1.144	8.7
4-CHLOROANILINE		0.475	0.418	12.0
HEXACHLOROBUTADIENE	*	0.131	0.121	7.6*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.339	9.4*
2-METHYLNAPHTHALENE		0.913	0.797	12.7
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.156	20.4#
2,4,6-TRICHLOROPHENOL	*	0.343	0.311	9.2*
2,4,5-TRICHLOROPHENOL		0.376	0.326	13.4
2-CHLORONAPHTHALENE		1.160	1.104	4.8
2-NITROANILINE		0.513	0.491	4.2
DIMETHYLPHTHALATE		1.391	1.361	2.2
ACENAPHTHYLENE		2.306	2.133	7.5
2,6-DINITROTOLUENE		0.301	0.284	5.7
3-NITROANILINE		0.375	0.348	7.2
ACENAPHTHENE	*	1.399	1.319	5.8*
2,4-DINITROPHENOL	#	0.122	0.059	51.2#
4-NITROPHENOL	#	0.161	0.174	-7.9#

FORM VII SV-1 1/87 Rev.

000230

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7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

) Name:C:\LC\RESULT Contract:305692

.ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/06/93 Time:1141

.ab File ID: S706C07 Init. Calib. Date(s): 07/06/93 07/06/93

1in RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

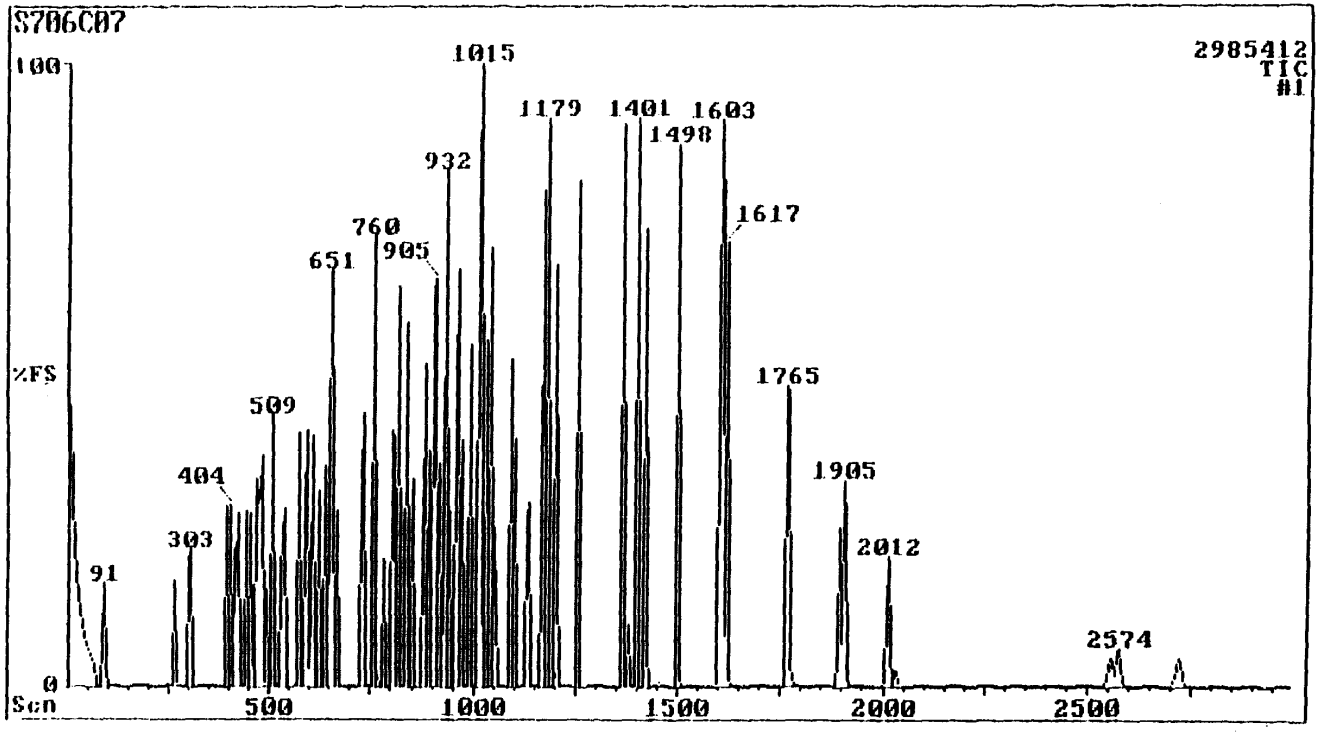
COMPOUND	RRF	RRF80	%D
DIBENZOFURAN	1.847	1.750	5.2
2,4-DINITROTOLUENE	0.397	0.353	11.2
DIETHYLPHTHALATE	1.668	1.547	7.2
4-CHLOROPHENYL-PHENYL ETHER	0.686	0.646	5.9
FLUORENE	1.751	1.605	8.3
4-NITROANILINE	0.494	0.431	12.6
4,6-DINITRO-2-METHYLPHENOL	0.121	0.075	38.2
N-NITROSODIPHENYLAMINE (1) *	0.641	0.605	5.7*
4-BROMOPHENYL-PHENYL ETHER	0.217	0.174	19.7
HEXACHLOROBENZENE	0.210	0.217	-3.4
PENTACHLOROPHENOL *	0.134	0.120	10.8*
PHENANTHRENE	1.519	1.430	5.9
ANTHRACENE	1.548	1.448	6.5
CARBAZOLE	1.290	1.175	8.9
DI-N-BUTYLPHTHALATE	1.921	1.921	0.0
FLUORANTHENE *	1.590	1.578	0.7*
PYRENE	1.237	1.221	1.3
BUTYLBENZYLPHTHALATE	0.638	0.611	4.2
3,3'-DICHLOROBENZIDINE	0.315	0.252	20.2
BENZO(A)ANTHRACENE	1.170	1.159	1.0
CHRYSENE	1.111	1.124	-1.2
BIS(2-ETHYLHEXYL)PHTHALATE	0.890	0.914	-2.6
DI-N-OCTYLPHTHALATE *	3.575	3.515	1.7*
BENZO(B)FLUORANTHENE	2.120	2.026	4.5
BENZO(K)FLUORANTHENE	2.618	2.491	4.9
BENZO(A)PYRENE *	1.863	1.808	2.9*
INDENO(1,2,3-CD)PYRENE	0.929	0.823	11.4
DIBENZ(A,H)ANTHRACENE	1.026	0.916	10.7
BENZO(G,H,I)PERYLENE	0.972	0.867	10.9
2-FLUOROPHENOL	1.104	1.151	-4.2
PHENOL-d6	1.981	1.946	1.7
NITROBENZENE-D5	0.378	0.372	1.7
2-FLUOROBIPHENYL	1.302	1.214	6.7
2,4,6-TRIBROMOPHENOL	0.133	0.139	-4.8

(1) Cannot be separated from Diphenylamine

FORM VII SV-2 1/87 Rev.

INJ DATE:07/07/93 FILE:S706C07

INJ TIME:1141 SAMPLE:80 NG SSTD 63-147-2 SV-GCMS#1-TRIO-2



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UAN DB : S706C07 LAB-BASE QUAN 07/07/93 1325

c.	Name	R.	QM	Scan	RT	P.F	Area	Conc
	1,4-DICHLOROBENZENE-D4	1	152	453	10.751	bb	75760	20.00000
2	2-FLUOROPHENOL	1	112	266	7.634	bb	348656	80.00000
3	PHENOL-d6	1	99	394	9.767	bb	589832	80.00000
4	PHENOL	1	94	396	9.801	bv	631856	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	412	10.067	vv	542608	80.00000
6	2-CHLOROPHENOL	1	128	422	10.234	bb	470600	80.00000
7	1,3-DICHLOROBENZENE	1	146	445	10.617	bv	439520	80.00000
8	1,4-DICHLOROBENZENE	1	146	456	10.801	vb	466500	80.00000
9	BENZYL ALCOHOL	1	108	471	11.051	bv	361920	80.00000
10	1,2-DICHLOROBENZENE	1	146	478	11.167	bb	435256	80.00000
11	2-METHYLPHENOL	1	108	486	11.301	bb	494064	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	495	11.451	vb	288500	80.00000
13	4-METHYLPHENOL	1	108	509	11.684	bb	537680	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	512	11.734	bb	443556	80.00000
15	HEXACHLOROETHANE	1	117	530	12.034	bb	190016	80.00000
16	NAPHTHALENE-D8	16	136	647	13.984	bb	405920	20.00000
17	NITROBENZENE-D5	16	82	536	12.134	vb	604260	80.00000
18	NITROBENZENE	16	77	539	12.184	bb	594156	80.00000
19	ISOPHORONE	16	82	575	12.784	bb	1211648	80.00000
20	2-NITROPHENOL	16	139	587	12.984	bb	260280	80.00000
21	2,4-DIMETHYLPHENOL	16	107	591	13.051	bb	502528	80.00000
22	BENZOIC ACID	16	122	605	13.284	vv	276820	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	607	13.317	bb	786904	80.00000
24	2,4-DICHLOROPHENOL	16	162	623	13.584	bb	433084	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	638	13.834	bb	388688	80.00000
26	NAPHTHALENE	16	128	651	14.051	bv	1857320	80.00000
	4-CHLOROANILINE	16	127	657	14.151	vb	678676	80.00000
	HEXACHLOROBUTADIENE	16	225	669	14.351	bb	196720	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	731	15.384	bb	550404	80.00000
30	2-METHYLNAPHTHALENE	16	142	760	15.868	bb	1294224	80.00000
31	ACENAPHTHENE-D10	31	164	927	18.651	bb	250032	20.00000
32	2-FLUOROBIPHENYL	31	172	817	16.818	bb	1214192	80.00000
33	2,4,6-TRIBROMOPHENOL	31	331	1053	20.751	A	138892	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	784	16.268	bb	156216	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	803	16.584	bv	311476	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	808	16.668	vv	325748	80.00000
37	2-CHLORONAPHTHALENE	31	162	838	17.168	bb	1104432	80.00000
38	2-NITROANILINE	31	65	853	17.418	bb	491324	80.00000
39	DIMETHYLPHTHALATE	31	163	880	17.868	bb	1361012	80.00000
40	ACENAPHTHYLENE	31	152	904	18.268	bb	2133596	80.00000
41	2,6-DINITROTOLUENE	31	165	891	18.051	bb	284036	80.00000
42	3-NITROANILINE	31	138	918	18.501	bb	347572	80.00000
43	ACENAPHTHENE	31	153	932	18.734	bb	1318768	80.00000
44	2,4-DINITROPHENOL	31	184	934	18.768	bv	59344	80.00000
45	4-NITROPHENOL	31	109	941	18.884	bv	173648	80.00000
46	DIBENZOFURAN	31	168	960	19.201	bb	1750684	80.00000
47	2,4-DINITROTOLUENE	31	165	955	19.118	bb	352940	80.00000
48	DIETHYLPHTHALATE	31	149	993	19.751	bb	1547104	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1013	20.085	bb	645840	80.00000
50	FLUORENE	31	166	1015	20.118	bv	1604792	80.00000

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No.	Name	R.	QM	Scan	RT	P.F	Area	Conc
	4-NITROANILINE	31	138	1016	20.135	bv	431412	80.00000
2	PHENANTHRENE-D10	52	188	1166	22.635	bb	400512	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1021	20.218	bb	119672	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1031	20.385	bv	969376	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1092	21.401	bb	278608	80.00000
56	HEXACHLOROBENZENE	52	284	1103	21.585	bb	347644	80.00000
57	PENTACHLOROPHENOL	52	266	1133	22.085	bb	192000	80.00000
58	PHENANTHRENE	52	178	1170	22.701	bv	2291200	80.00000
59	ANTHRACENE	52	178	1179	22.851	vb	2319412	80.00000
60	CARBAZOLE	52	167	1203	23.251	bb	1881904	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1254	24.101	bb	3076956	80.00000
62	FLUORANTHENE	52	202	1363	25.918	bb	2528596	80.00000
63	CHRYSENE-D12	63	240	1611	30.052	bb	539872	20.00000
64	PYRENE	63	202	1401	26.552	bb	2635736	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1498	28.168	bv	1319956	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1599	29.852	bv	543897	80.00000
67	BENZO(A)ANTHRACENE	63	228	1609	30.019	vv	2502447	80.00000
68	CHRYSENE	63	228	1617	30.152	vb	2427508	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1602	29.902	bv	1972953	80.00000
70	PERYLENE-D12	70	264	2030	37.036	bv	198876	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1765	32.619	b?	2796068	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1895	34.785	bv	1611541	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1905	34.952	v?	1981312	80.00000
74	BENZO(A)PYRENE	70	252	2012	36.736	bv	1438285	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2555	45.786	bv	654920	80.00000
76	DIBENZ(A,H)ANTHRACENE	70	278	2574	46.103	bv	729001	80.00000
77	BENZO(G,H,I)PERYLENE	70	276	2720	48.536	bb	689324	80.00000

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Raw Datafile : S706C07
Lib DB : 8270A

Quan DB : S706C07
Scan DB : S706C07

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	90	94	-3	75760	bb	453	456	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	0	348656	bb	266	266	112	2-FLUOROPHENOL
3	100	92	97	0	589832	bb	394	394	99	PHENOL-d6
4	100	88	97	0	631856	bv	396	396	94	PHENOL
5	76	65	67	-1	542608	vv	412	413	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	79	0	470600	bb	422	422	128	2-CHLOROPHENOL
7	100	95	98	0	439520	bv	445	445	146	1,3-DICHLOROBENZENE
8	100	95	98	0	466500	vb	456	456	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	361920	bv	471	472	108	BENZYL ALCOHOL
10	100	92	98	-1	435256	bb	478	479	146	1,2-DICHLOROBENZENE
11	100	95	98	0	494064	bb	486	486	108	2-METHYLPHENOL
12	100	80	95	-1	288500	vb	495	496	45	BIS(2-CHLOROISOPROPYL)ETHE
	81	94	97	-4	600896	bv	492			
13	98	77	79	0	537680	bb	509	509	108	4-METHYLPHENOL
14	100	95	99	-1	443556	bb	512	513	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	96	97	0	190016	bb	530	530	117	HEXACHLOROETHANE
16	100	90	95	-5	405920	bb	647	652	136	NAPHTHALENE-D8
17	58	50	51	1	604260	vb	536	535	82	NITROBENZENE-D5
18	100	96	98	0	594156	bb	539	539	77	NITROBENZENE
19	100	93	98	1	1211648	bb	575	574	82	ISOPHORONE
20	100	96	99	1	260280	bb	587	586	139	2-NITROPHENOL
21	100	95	99	1	502528	bb	591	590	107	2,4-DIMETHYLPHENOL
22	100	82	87	-1	276820	vv	605	606	122	BENZOIC ACID
23	100	90	98	1	786904	bb	607	606	93	BIS(2-CHLOROETHOXY)METHANE
24	100	95	98	1	433084	bb	623	622	162	2,4-DICHLOROPHENOL
25	100	94	97	1	388688	bb	638	637	180	1,2,4-TRICHLOROBENZENE
26	100	95	99	1	1857320	bv	651	650	128	NAPHTHALENE
27	100	90	95	1	678676	vb	657	656	127	4-CHLOROANILINE
28	100	94	97	1	196720	bb	669	668	225	HEXACHLOROBUTADIENE
29	100	94	99	2	550404	bb	731	729	107	4-CHLORO-3-METHYLPHENOL
30	100	88	97	2	1294224	bb	760	758	142	2-METHYLNAPHTHALENE
31	100	94	98	-5	250032	bb	927	932	164	ACENAPHTHENE-D10
32	100	89	99	1	1214192	bb	817	816	172	2-FLUOROBIPHENYL
33	68	59	71	2	976	bb	1054	1052	330	2,4,6-TRIBROMOPHENOL
	49	37	49	-1	1104	bb	1051			
	40	46	48	4	752	bb	1056			
34	100	79	86	0	156216	bb	784	784	237	HEXACHLOROCYCLOPENTADIENE
35	100	93	98	0	311476	bv	803	803	196	2,4,6-TRICHLOROPHENOL
	70	90	96	5	325748	vv	808			
36	100	92	98	0	325748	vv	808	808	196	2,4,5-TRICHLOROPHENOL
	71	91	97	-5	311476	bv	803			
37	100	94	99	1	1104432	bb	838	837	162	2-CHLORONAPHTHALENE
38	100	97	99	1	491324	bb	853	852	65	2-NITROANILINE
39	100	91	98	0	1361012	bb	880	880	163	DIMETHYLPHTHALATE
40	100	93	99	-1	2133596	bb	904	905	152	ACENAPHTHYLENE
41	100	96	99	0	284036	bb	891	891	165	2,6-DINITROTOLUENE
42	100	95	99	0	347572	bb	918	918	138	3-NITROANILINE
43	100	93	96	0	1318768	bb	932	932	153	ACENAPHTHENE
44	98	69	88	0	59344	bv	934	934	184	2,4-DINITROPHENOL
45	100	95	98	1	173648	bv	941	940	109	4-NITROPHENOL
46	100	84	96	0	1750684	bb	960	960	168	DIBENZOFURAN
47	100	95	99	0	352940	bb	955	955	165	2,4-DINITROTOLUENE
48	100	92	98	0	1547104	bb	983	983	149	DIETHYLPHTHALATE

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50	100	71	92	0	1604792	bv	1015	1015	166	FLUORENE
51	100	86	97	-1	431412	bv	1016	1017	138	4-NITROANILINE
52	100	89	97	-6	400512	bb	1166	1172	188	PHENANTHRENE-D10
53	100	92	97	0	119672	bb	1021	1021	198	4,6-DINITRO-2-METHYLPHENOL
54	89	73	82	-1	969376	bv	1031	1032	169	N-NITROSODIPHENYLAMINE
55	100	88	96	1	278608	bb	1092	1091	248	4-BROMOPHENYL-PHENYL ETHER
56	100	92	98	0	347644	bb	1103	1103	284	HEXACHLOROBENZENE
57	100	82	97	0	192000	bb	1133	1133	266	PENTACHLOROPHENOL
58	100	93	99	0	2291200	bv	1170	1170	178	PHENANTHRENE
59	100	92	99	0	2319412	vb	1179	1179	178	ANTHRACENE
60	99	83	90	1	1881904	bb	1203	1202	167	CARBAZOLE
61	100	91	99	1	3076956	bb	1254	1253	149	DI-N-BUTYLPHTHALATE
62	100	92	99	1	2528596	bb	1363	1362	202	FLUORANTHENE
63	77	64	82	-8	539872	bb	1611	1619	240	CHRYSENE-D12
64	100	92	98	1	2635736	bb	1401	1400	202	PYRENE
65	100	93	98	1	1319956	bv	1498	1497	149	BUTYLBENZYLPHTHALATE
66	65	45	59	0	543897	bv	1599	1599	252	3,3'-DICHLOROBENZIDINE
67	100	83	99	0	2502447	vv	1609	1609	228	BENZO(A)ANTHRACENE
68	94	78	86	-1	2427508	vb	1617	1618	228	CHRYSENE
69	100	87	99	0	1972953	bv	1602	1602	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	80	91	95	-16	198876	bv	2030	2046	264	PERYLENE-D12
71	83	87	97	3	2796068	b?	1765	1762	149	DI-N-OCTYLPHTHALATE
72	98	89	98	2	1611541	bv	1895	1893	252	BENZO(B)FLUORANTHENE
73	100	89	99	1	1981312	v?	1905	1904	252	BENZO(K)FLUORANTHENE
74	100	90	98	1	1438285	bv	2012	2011	252	BENZO(A)PYRENE
75	100	91	97	-5	654920	bv	2555	2560	276	INDENO(1,2,3-CD)PYRENE
76	100	89	97	-5	729001	bv	2574	2579	278	DIBENZ(A,H)ANTHRACENE
	77	73	73	17	5296	!!	2596			
77	100	94	97	-8	689324	bb	2720	2726	276	BENZO(G,H,I)PERYLENE

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7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/08/93 Time:0001

Lab File ID: S707C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.184	7.3*
BIS(2-CHLOROETHYL)ETHER		1.863	1.838	1.3
2-CHLOROPHENOL		1.637	1.564	4.5
1,3-DICHLOROBENZENE		1.515	1.429	5.7
1,4-DICHLOROBENZENE	*	1.624	1.527	6.0*
BENZYL ALCOHOL		1.301	1.131	13.1
1,2-DICHLOROBENZENE		1.698	1.602	5.6
2-METHYLPHENOL		1.734	1.585	8.6
BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.002	1.6
4-METHYLPHENOL		1.934	1.682	13.0
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.483	3.0#
HEXACHLOROETHANE		0.646	0.626	3.0
NITROBENZENE		0.391	0.387	1.2
ISOPHORONE		0.827	0.833	-0.8
2-NITROPHENOL	*	0.186	0.171	8.0*
2,4-DIMETHYLPHENOL		0.350	0.339	3.0
BENZOIC ACID		0.148	0.152	-2.4
BIS(2-CHLOROETHOXY)METHANE		0.524	0.510	2.7
2,4-DICHLOROPHENOL	*	0.292	0.270	7.6*
1,2,4-TRICHLOROBENZENE		0.280	0.269	4.1
NAPHTHALENE		1.253	1.233	1.5
4-CHLOROANILINE		0.475	0.396	16.5
HEXACHLOROBUTADIENE	*	0.131	0.128	2.3*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.337	9.9*
2-METHYLNAPHTHALENE		0.913	0.861	5.8
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.175	10.6#
2,4,6-TRICHLOROPHENOL	*	0.343	0.322	6.1*
2,4,5-TRICHLOROPHENOL		0.376	0.352	6.4
2-CHLORONAPHTHALENE		1.160	1.199	-3.3
2-NITROANILINE		0.513	0.546	-6.5
DIMETHYLPHTHALATE		1.391	1.343	3.5
ACENAPHTHYLENE		2.306	2.356	-2.2
2,6-DINITROTOLUENE		0.301	0.286	4.9
3-NITROANILINE		0.375	0.323	13.7
ACENAPHTHENE	*	1.399	1.445	-3.3*
2,4-DINITROPHENOL	#	0.122	0.059	51.3#
4-NITROPHENOL	#	0.161	0.172	-6.9#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/08/93 Time:0001

Lab File ID: S707C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF80	%D
DIBENZOFURAN	1.847	1.893	-2.5
2,4-DINITROTOLUENE	0.397	0.369	7.1
DIETHYLPHTHALATE	1.668	1.651	1.0
4-CHLOROPHENYL-PHENYL ETHER	0.686	0.661	3.6
FLUORENE	1.751	1.791	-2.3
4-NITROANILINE	0.494	0.467	5.3
4,6-DINITRO-2-METHYLPHENOL	0.121	0.082	32.1
N-NITROSODIPHENYLAMINE (1) *	0.641	0.668	-4.2*
4-BROMOPHENYL-PHENYL ETHER	0.217	0.201	7.3
HEXACHLOROBENZENE	0.210	0.234	-11.7
PENTACHLOROPHENOL *	0.134	0.127	5.3*
PHENANTHRENE	1.519	1.628	-7.2
ANTHRACENE	1.548	1.632	-5.4
CARBAZOLE	1.290	1.262	2.1
DI-N-BUTYLPHTHALATE	1.921	2.154	-12.2
FLUORANTHENE *	1.590	1.637	-3.0*
PYRENE	1.237	1.397	-13.0
BUTYLBENZYLPHTHALATE	0.638	0.739	-15.8
3,3'-DICHLOROBENZIDINE	0.315	0.243	22.8
BENZO(A)ANTHRACENE	1.170	1.244	-6.3
CHRYSENE	1.111	1.160	-4.4
BIS(2-ETHYLHEXYL)PHTHALATE	0.890	1.069	-20.1
DI-N-OCTYLPHTHALATE *	3.575	3.706	-3.6*
BENZO(B)FLUORANTHENE	2.120	2.150	-1.4
BENZO(K)FLUORANTHENE	2.618	2.582	1.3
BENZO(A)PYRENE *	1.863	1.780	4.4*
INDENO(1,2,3-CD)PYRENE	0.929	0.823	11.4
DIBENZ(A,H)ANTHRACENE	1.026	0.862	16.0
BENZO(G,H,I)PERYLENE	0.972	0.834	14.2
2-FLUOROPHENOL	1.104	1.106	-0.2
PHENOL-d6	1.981	1.901	4.1
NITROBENZENE-D5	0.378	0.386	-1.9
2-FLUOROBIPHENYL	1.302	1.269	2.5
2,4,6-TRIBROMOPHENOL	0.133	0.110	17.2

(1) Cannot be separated from Diphenylamine

DAILY CALIBRATION CHECK

DATE : 07/08/93

TIME : 0825

LAB FILE ID: S707C01

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	COMPOUND	FLAG	RF MEAN	RF 80	%D
4	PHENOL	C	2.357	2.184	7.3
5	BIS(2-CHLOROETHYL)ETHER		1.863	1.838	1.3
6	2-CHLOROPHENOL		1.637	1.564	4.5
7	1,3-DICHLOROBENZENE		1.515	1.429	5.7
8	1,4-DICHLOROBENZENE	C	1.624	1.527	6.0
9	BENZYL ALCOHOL		1.301	1.131	13.1
10	1,2-DICHLOROBENZENE		1.698	1.602	5.6
11	2-METHYLPHENOL		1.734	1.585	8.6
12	BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.002	1.6
13	4-METHYLPHENOL		1.934	1.682	13.0
14	N-NITROSO-DI-N-PROPYLAMINE	P	1.529	1.483	3.0
15	HEXACHLOROETHANE		0.646	0.626	3.0
18	NITROBENZENE		0.391	0.387	1.2
19	ISOPHORONE		0.827	0.833	-0.8
20	2-NITROPHENOL	C	0.186	0.171	8.0
21	2,4-DIMETHYLPHENOL		0.350	0.339	3.0
[illegible]	BENZOIC ACID		0.148	0.152	-2.4
	BIS(2-CHLOROETHOXY)METHANE		0.524	0.510	2.7
24	2,4-DICHLOROPHENOL	C	0.292	0.270	7.6
25	1,2,4-TRICHLOROBENZENE		0.280	0.269	4.1
26	NAPHTHALENE		1.253	1.233	1.5
27	4-CHLOROANILINE		0.475	0.396	16.5
28	HEXACHLOROBUTADIENE	C	0.131	0.128	2.3
29	4-CHLORO-3-METHYLPHENOL	C	0.374	0.337	9.9
30	2-METHYLNAPHTHALENE		0.913	0.861	5.8
34	HEXACHLOROCYCLOPENTADIENE	P	0.196	0.175	10.6
35	2,4,6-TRICHLOROPHENOL	C	0.343	0.322	6.1
36	2,4,5-TRICHLOROPHENOL		0.376	0.352	6.4
37	2-CHLORONAPHTHALENE		1.160	1.199	-3.3
38	2-NITROANILINE		0.513	0.546	-6.5
39	DIMETHYLPHTHALATE		1.391	1.343	3.5
40	ACENAPHTHYLENE		2.306	2.356	-2.2
41	2,6-DINITROTOLUENE		0.301	0.286	4.9
42	3-NITROANILINE		0.375	0.323	13.7
43	ACENAPHTHENE	C	1.399	1.445	-3.3
44	2,4-DINITROPHENOL	P	0.122	0.059	51.3
45	4-NITROPHENOL	P	0.161	0.172	-6.9
46	DIBENZOFURAN		1.847	1.893	-2.5
47	2,4-DINITROTOLUENE		0.397	0.369	7.1
48	DIETHYLPHTHALATE		1.668	1.651	1.0
49	4-CHLOROPHENYL-PHENYL ETHER		0.686	0.661	3.6
50	FLUORENE		1.751	1.791	-2.3
51	4-NITROANILINE		0.494	0.467	5.3
[illegible]	4,6-DINITRO-2-METHYLPHENOL		0.121	0.082	32.1
[illegible]	N-NITROSODIPHENYLAMINE	C	0.641	0.668	-4.2
55	4-BROMOPHENYL-PHENYL ETHER		0.217	0.201	7.3
56	HEXACHLOROBENZENE		0.210	0.234	-11.7
57	PENTACHLOROPHENOL	C	0.134	0.127	5.3
58	PHENANTHRENE		1.519	1.628	-7.2
[illegible]	[illegible]		[illegible]	[illegible]	[illegible]

60	CARBAZOLE		1.290	1.262	2.1
61	DI-N-BUTYLPHTHALATE		1.921	2.154	-12.2
62	FLUORANTHENE	C	1.590	1.637	-3.0
64	PYRENE		1.237	1.397	-13.0
65	BUTYLBENZYLPHTHALATE		0.638	0.739	-15.8
66	3,3'-DICHLOROBENZIDINE		0.315	0.243	22.8
	BENZO(A)ANTHRACENE		1.170	1.244	-6.3
	CHRYSENE		1.111	1.160	-4.4
69	BIS(2-ETHYLHEXYL)PHTHALATE		0.890	1.069	-20.1
71	DI-N-OCTYLPHTHALATE	C	3.575	3.706	-3.6
72	BENZO(B)FLUORANTHENE		2.120	2.150	-1.4
73	BENZO(K)FLUORANTHENE		2.618	2.582	1.3
74	BENZO(A)PYRENE	C	1.863	1.780	4.4
75	INDENO(1,2,3-CD)PYRENE		0.929	0.823	11.4
76	DIBENZ(A,H)ANTHRACENE		1.026	0.862	16.0
77	BENZO(G,H,I)PERYLENE		0.972	0.834	14.2
2	2-FLUOROPHENOL	S	1.104	1.106	-0.2
3	PHENOL-d6	S	1.981	1.901	4.1
17	NITROBENZENE-D5	S	0.378	0.386	-1.9
32	2-FLUOROBIPHENYL	S	1.302	1.269	2.5
33	2,4,6-TRIBROMOPHENOL	S	0.133	0.110	17.2

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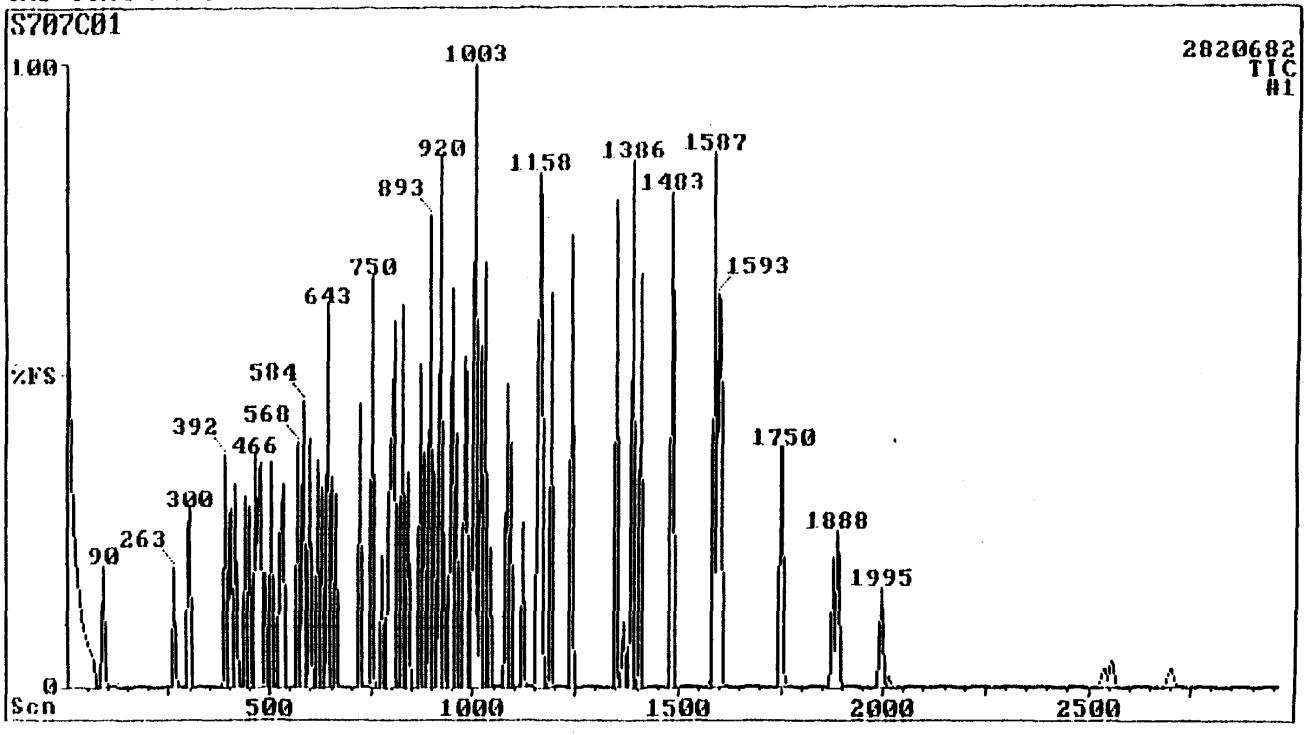
INJ DATE:07/08/93 FILE:S707C01

INJ TIME:0001 SAMPLE:80 NG SSTD 63-147-2 SV-GCMS#1-TRIO-2



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QUAN DB : S707C01 LAB-BASE QUAN 07/08/93 0836

	Name	R.	QM	Scan	RT	P.F	Area	Conc
1	1,4-DICHLOROBENZENE-D4	1	152	448	10.734	bb	72672	20.00000
2	2-FLUOROPHENOL	1	112	263	7.623	bv	321556	80.00000
3	PHENOL-d6	1	99	390	9.758	bb	552532	80.00000
4	PHENOL	1	94	392	9.792	bv	634924	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	408	10.061	vv	534416	80.00000
6	2-CHLOROPHENOL	1	128	417	10.212	bb	454592	80.00000
7	1,3-DICHLOROBENZENE	1	146	440	10.599	bv	415456	80.00000
8	1,4-DICHLOROBENZENE	1	146	450	10.767	vb	444004	80.00000
9	BENZYL ALCOHOL	1	108	466	11.036	bv	328688	80.00000
10	1,2-DICHLOROBENZENE	1	146	473	11.154	bb	465676	80.00000
11	2-METHYLPHENOL	1	108	481	11.289	bb	460664	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	490	11.440	vb	291128	80.00000
13	4-METHYLPHENOL	1	108	503	11.659	bb	488992	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	506	11.709	bb	431228	80.00000
15	HEXACHLOROETHANE	1	117	524	12.012	bb	182028	80.00000
16	NAPHTHALENE-D8	16	136	640	13.962	bb	361852	20.00000
17	NITROBENZENE-D5	16	82	530	12.113	vb	558168	80.00000
18	NITROBENZENE	16	77	533	12.163	bb	559872	80.00000
19	ISOPHORONE	16	82	568	12.752	bb	1206320	80.00000
20	2-NITROPHENOL	16	139	580	12.953	bb	247540	80.00000
21	2,4-DIMETHYLPHENOL	16	107	584	13.021	bb	491356	80.00000
22	BENZOIC ACID	16	122	598	13.256	vv	219980	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	600	13.290	bb	738144	80.00000
24	2,4-DICHLOROPHENOL	16	162	616	13.559	bb	390472	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	630	13.794	bb	388980	80.00000
6	NAPHTHALENE	16	128	643	14.013	bv	1785068	80.00000
27	4-CHLOROANILINE	16	127	649	14.114	vb	573892	80.00000
28	HEXACHLOROBUTADIENE	16	225	661	14.316	bb	185472	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	722	15.341	bb	487880	80.00000
30	2-METHYLNAPHTHALENE	16	142	750	15.812	bb	1245776	80.00000
31	ACENAPHTHENE-D10	31	164	915	18.587	bb	207004	20.00000
32	2-FLUOROBIPHENYL	31	172	807	16.771	bb	1050480	80.00000
33	2,4,6-TRIBROMOPHENOL	31	330	1040	20.689	bb	90836	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	774	16.216	bb	145152	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	793	16.535	bv*	266784	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	798	16.619	vb	291644	80.00000
37	2-CHLORONAPHTHALENE	31	162	827	17.107	bb	992868	80.00000
38	2-NITROANILINE	31	65	842	17.359	bb	451928	80.00000
39	DIMETHYLPHTHALATE	31	163	869	17.813	bb	1111904	80.00000
40	ACENAPHTHYLENE	31	152	893	18.217	bb	1950960	80.00000
41	2,6-DINITROTOLUENE	31	165	879	17.982	bb	237152	80.00000
42	3-NITROANILINE	31	138	906	18.436	bb	267664	80.00000
43	ACENAPHTHENE	31	153	920	18.671	bb	1196316	80.00000
44	2,4-DINITROPHENOL	31	184	922	18.705	bb	49044	80.00000
45	4-NITROPHENOL	31	109	929	18.822	bb	142348	80.00000
46	DIBENZOFURAN	31	168	948	19.142	bb	1567292	80.00000
47	2,4-DINITROTOLUENE	31	165	943	19.058	bb	305840	80.00000
48	DIETHYLPHTHALATE	31	149	980	19.680	bb	1366824	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1001	20.033	bb	547456	80.00000
50	FLUORENE	31	166	1003	20.067	bv	1483220	80.00000

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	Name	R.	QM	Scan	RT	P.F	Area	Conc
51	4-NITROANILINE	31	138	1004	20.084	bv	386944	80.00000
52	PHENANTHRENE-D10	52	188	1154	22.606	bb	301552	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1009	20.168	bb	99000	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1019	20.336	bv	806340	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1079	21.345	bb	242212	80.00000
56	HEXACHLOROBENZENE	52	284	1091	21.547	bb	282804	80.00000
57	PENTACHLOROPHENOL	52	266	1121	22.051	bv	153432	80.00000
58	PHENANTHRENE	52	178	1158	22.673	bv	1963592	80.00000
59	ANTHRACENE	52	178	1166	22.808	vb	1967992	80.00000
60	CARBAZOLE	52	167	1190	23.211	bb	1522652	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1240	24.052	bb	2598624	80.00000
62	FLUORANTHENE	52	202	1349	25.885	bb	1974844	80.00000
63	CHRYSENE-D12	63	240	1595	30.022	bb	381452	20.00000
64	PYRENE	63	202	1386	26.507	bb	2131856	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1483	28.139	bb	1127540	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1583	29.820	bv	371385	80.00000
67	BENZO(A)ANTHRACENE	63	228	1593	29.988	bv	1898411	80.00000
68	CHRYSENE	63	228	1601	30.123	vv	1769369	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1587	29.887	bv	1630852	80.00000
70	PERYLENE-D12	70	264	2014	37.068	bb	141992	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1749	32.612	b?	2104656	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1878	34.781	bv	1221401	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1887	34.932	vv	1466763	80.00000
74	BENZO(A)PYRENE	70	252	1995	36.748	bv	1011032	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2538	45.880	bv	467533	80.00000
76	DIBENZ(A,H)ANTHRACENE	70	278	2557	46.199	bv	489415	80.00000
77	BENZO(G,H,I)PERYLENE	70	276	2702	48.638	bv	473595	80.00000

010952

Interim Report LAB-BASE FIND 07/08/93 0823

Datafile : S707C01 Quan DB : S707C01
Find DB : 8270A Scan DB : S707C01

No.	MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	98	91	94	-4	72672	bb	448	452	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	0	321556	bv	263	263	112	2-FLUOROPHENOL
3	100	84	89	0	552532	bb	390	390	99	PHENOL-d6
4	100	95	99	0	634924	bv	392	392	94	PHENOL
5	77	66	68	-1	534416	vv	408	409	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	79	0	454592	bb	417	417	128	2-CHLOROPHENOL
7	100	95	98	0	415456	bv	440	440	146	1,3-DICHLOROBENZENE
8	100	95	99	-1	444004	vb	450	451	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	328688	bv	466	467	108	BENZYL ALCOHOL
10	100	93	98	-1	465676	bb	473	474	146	1,2-DICHLOROBENZENE
11	100	95	98	1	460664	bb	481	480	108	2-METHYLPHENOL
12	100	80	96	0	291128	vb	490	490	45	BIS(2-CHLOROISOPROPYL)ETHE
	91	94	97	-3	634908	bv	487			
13	96	76	78	0	488992	bb	503	503	108	4-METHYLPHENOL
14	100	95	99	-1	431228	bb	506	507	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	95	97	0	182028	bb	524	524	117	HEXACHLOROETHANE
16	100	90	96	-6	361852	bb	640	646	136	NAPHTHALENE-D8
17	58	50	51	1	558168	vb	530	529	82	NITROBENZENE-D5
18	100	96	98	0	559872	bb	533	533	77	NITROBENZENE
19	100	93	98	0	1206320	bb	568	568	82	ISOPHORONE
20	100	96	99	0	247540	bb	580	580	139	2-NITROPHENOL
21	100	95	99	0	491356	bb	584	584	107	2,4-DIMETHYLPHENOL
22	97	82	87	-2	219980	vv	598	600	122	BENZOIC ACID
23	100	92	98	0	738144	bb	600	600	93	BIS(2-CHLOROETHOXY)METHANE
24	100	94	98	1	390472	bb	616	615	162	2,4-DICHLOROPHENOL
25	100	94	97	0	388980	bb	630	630	180	1,2,4-TRICHLOROBENZENE
26	100	95	99	0	1785068	bv	643	643	128	NAPHTHALENE
27	100	90	95	0	573892	vb	649	649	127	4-CHLOROANILINE
28	100	94	97	0	185472	bb	661	661	225	HEXACHLOROBUTADIENE
29	100	94	99	0	487880	bb	722	722	107	4-CHLORO-3-METHYLPHENOL
30	100	88	96	0	1245776	bb	750	750	142	2-METHYLNAPHTHALENE
31	98	93	98	-9	207004	bb	915	924	164	ACENAPHTHENE-D10
32	100	88	98	1	1050480	bb	807	806	172	2-FLUOROBIPHENYL
33	65	67	87	-4	90836	bb	1040	1044	330	2,4,6-TRIBROMOPHENOL
34	97	81	88	1	145152	bb	774	773	237	HEXACHLOROCYCLOPENTADIENE
35	100	93	98	1	266784	bv*	793	792	196	2,4,6-TRICHLOROPHENOL
36	100	93	98	0	291644	vb	798	798	196	2,4,5-TRICHLOROPHENOL
	71	91	97	-5	266784	bv	793			
37	100	94	99	1	992868	bb	827	826	162	2-CHLORONAPHTHALENE
38	100	97	99	1	451928	bb	842	841	65	2-NITROANILINE
39	100	91	98	0	1111904	bb	869	869	163	DIMETHYLPHTHALATE
40	100	93	99	0	1950960	bb	893	893	152	ACENAPHTHYLENE
41	100	96	99	-1	237152	bb	879	880	165	2,6-DINITROTOLUENE
42	100	95	98	0	267664	bb	906	906	138	3-NITROANILINE
43	100	93	96	0	1196316	bb	920	920	153	ACENAPHTHENE
44	100	74	90	0	49044	bb	922	922	184	2,4-DINITROPHENOL
45	100	95	98	1	142348	bb	929	928	109	4-NITROPHENOL
46	100	84	96	1	1567292	bb	948	947	168	DIBENZOFURAN
47	100	95	99	0	305840	bb	943	943	165	2,4-DINITROTOLUENE
48	100	93	98	0	1366824	bb	980	980	149	DIETHYLPHTHALATE
49	100	78	97	1	547456	bb	1001	1000	204	4-CHLOROPHENYL-PHENYL ETHE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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51	93	53	96	0	386944	bv	1004	1004	138	4-NITROANILINE
52	98	89	97	-8	301552	bb	1154	1162	188	PHENANTHRENE-D10
53	100	92	96	-1	99000	bb	1009	1010	198	4,6-DINITRO-2-METHYLPHENOL
54	82	74	83	-2	806340	bv	1019	1021	169	N-NITROSODIPHENYLAMINE
	67	67	74	3	3264	!b	1024			
55	100	89	96	-1	242212	bb	1079	1080	248	4-BROMOPHENYL-PHENYL ETHER
56	100	92	98	-1	282804	bb	1091	1092	284	HEXACHLOROBENZENE
57	100	82	97	0	153432	bv	1121	1121	266	PENTACHLOROPHENOL
58	100	92	98	0	1963592	bv	1158	1158	178	PHENANTHRENE
59	100	91	98	-1	1967992	vb	1166	1167	178	ANTHRACENE
60	99	83	90	1	1522652	bb	1190	1189	167	CARBAZOLE
61	100	92	99	0	2598624	bb	1240	1240	149	DI-N-BUTYLPHTHALATE
62	100	91	98	1	1974844	bb	1349	1348	202	FLUORANTHENE
63	73	62	83	-10	381452	bb	1595	1605	240	CHRYSENE-D12
64	100	91	98	0	2131856	bb	1386	1386	202	PYRENE
65	100	93	98	1	1127540	bb	1483	1482	149	BUTYLBENZYLPHTHALATE
66	66	46	59	0	371325	bv	1583	1583	252	3,3'-DICHLOROBENZIDINE
67	100	81	98	0	1898411	bv	1593	1593	228	BENZO(A)ANTHRACENE
68	93	77	85	-1	1769369	vv	1601	1602	228	CHRYSENE
69	100	90	98	1	1630852	bv	1587	1586	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	86	95	95	-14	141992	bb	2014	2028	264	PERYLENE-D12
71	100	86	96	1	2104656	b?	1749	1748	149	DI-N-OCTYLPHTHALATE
72	100	89	98	0	1221401	bv	1878	1878	252	BENZO(B)FLUORANTHENE
73	99	89	99	-2	1466763	vv	1887	1889	252	BENZO(K)FLUORANTHENE
74	100	90	98	0	1011032	bv	1995	1995	252	BENZO(A)PYRENE
75	100	95	97	-2	467533	bv	2538	2540	276	INDENO(1,2,3-CD)PYRENE
76	100	92	97	-2	489415	bv	2557	2559	278	DIBENZ(A,H)ANTHRACENE
77	100	96	97	-4	473595	bv	2702	2706	276	BENZO(G,H,I)PERYLENE

010953

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010954

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

ab Name:C:\LC\RESULT Contract:305692

ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

nstrument ID: VG2000 Calibration Date:07/08/93 Time:1308

ab File ID: S708C01 Init. Calib. Date(s): 07/06/93 07/06/93

in RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.331	1.1*
BIS(2-CHLOROETHYL)ETHER		1.863	1.955	-4.9
2-CHLOROPHENOL		1.637	1.649	-0.8
1,3-DICHLOROBENZENE		1.515	1.457	3.8
1,4-DICHLOROBENZENE	*	1.624	1.647	-1.4*
BENZYL ALCOHOL		1.301	1.229	5.5
1,2-DICHLOROBENZENE		1.698	1.585	6.7
2-METHYLPHENOL		1.734	1.664	4.0
BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.025	-0.7
4-METHYLPHENOL		1.934	1.950	-0.8
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.487	2.8#
HEXACHLOROETHANE		0.646	0.672	-4.0
NITROBENZENE		0.391	0.390	0.3
ISOPHORONE		0.827	0.818	1.1
2-NITROPHENOL	*	0.186	0.178	4.5*
2,4-DIMETHYLPHENOL		0.350	0.346	1.2
BENZOIC ACID		0.148	0.196	-31.9
BIS(2-CHLOROETHOXY)METHANE		0.524	0.537	-2.5
2,4-DICHLOROPHENOL	*	0.292	0.295	-1.0*
1,2,4-TRICHLOROBENZENE		0.280	0.261	6.7
NAPHTHALENE		1.253	1.211	3.3
4-CHLOROANILINE		0.475	0.439	7.6
HEXACHLOROBUTADIENE	*	0.131	0.129	1.5*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.376	-0.5*
2-METHYLNAPHTHALENE		0.913	0.881	3.5
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.231	-17.8#
2,4,6-TRICHLOROPHENOL	*	0.343	0.380	-10.7*
2,4,5-TRICHLOROPHENOL		0.376	0.418	-11.1
2-CHLORONAPHTHALENE		1.160	1.194	-2.9
2-NITROANILINE		0.513	0.562	-9.6
DIMETHYLPHTHALATE		1.391	1.530	-10.0
ACENAPHTHYLENE		2.306	2.462	-6.8
2,6-DINITROTOLUENE		0.301	0.323	-7.3
3-NITROANILINE		0.375	0.385	-2.9
ACENAPHTHENE	*	1.399	1.452	-3.8*
2,4-DINITROPHENOL	#	0.122	0.115	5.3#
4-NITROPHENOL	#	0.161	0.187	-16.4#

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

ab Name:C:\LC\RESULT Contract:305692

ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

nstrument ID: VG2000 Calibration Date:07/08/93 Time:1308

ab File ID: S708C01 Init. Calib. Date(s): 07/06/93 07/06/93

in RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
DIBENZOFURAN		1.847	1.936	-4.8
2,4-DINITROTOLUENE		0.397	0.412	-3.6
DIETHYLPHTHALATE		1.668	1.745	-4.7
4-CHLOROPHENYL-PHENYL ETHER		0.686	0.724	-5.5
FLUORENE		1.751	1.828	-4.4
4-NITROANILINE		0.494	0.462	6.4
4,6-DINITRO-2-METHYLPHENOL		0.121	0.113	6.4
N-NITROSODIPHENYLAMINE (1)	*	0.641	0.639	0.3*
4-BROMOPHENYL-PHENYL ETHER		0.217	0.229	-5.7
HEXACHLOROBENZENE		0.210	0.230	-9.6
PENTACHLOROPHENOL	*	0.134	0.129	3.7*
PHENANTHRENE		1.519	1.548	-1.9
ANTHRACENE		1.546	1.588	-2.6
CARBAZOLE		1.290	1.261	2.3
DI-N-BUTYLPHTHALATE		1.921	1.919	0.1
FLUORANTHENE	*	1.590	1.574	1.0*
PYRENE		1.237	1.465	-18.5
BUTYLBENZYLPHTHALATE		0.638	0.712	-11.6
3,3'-DICHLOROBENZIDINE		0.315	0.334	-5.8
BENZO(A)ANTHRACENE		1.170	1.224	-4.6
CHRYSENE		1.111	1.216	-9.4
BIS(2-ETHYLHEXYL)PHTHALATE		0.890	1.017	-14.2
DI-N-OCTYLPHTHALATE	*	3.575	3.379	5.5*
BENZO(B)FLUORANTHENE		2.120	1.869	11.9
BENZO(K)FLUORANTHENE		2.618	2.336	10.8
BENZO(A)PYRENE	*	1.863	1.616	13.3*
INDENO(1,2,3-CD)PYRENE		0.929	0.714	23.1
DIBENZ(A,H)ANTHRACENE		1.026	0.817	20.4
BENZO(G,H,I)PERYLENE		0.972	0.797	18.1
2-FLUOROPHENOL		1.104	1.193	-8.0
PHENOL-d6		1.981	2.061	-4.1
NITROBENZENE-D5		0.378	0.386	-1.9
2-FLUOROBIPHENYL		1.302	1.360	-4.5
2,4,6-TRIBROMOPHENOL		0.133	0.151	-14.1

(1) Cannot be separated from Diphenylamine

DAILY CALIBRATION CHECK

DATE : 07/08/93

TIME : 1406

LAB FILE ID: S708C01

010956

	COMPOUND	FLAG	RF MEAN	RF 80	%D
4	PHENOL	C	2.357	2.331	1.1
5	BIS(2-CHLOROETHYL)ETHER		1.863	1.955	-4.9
6	2-CHLOROPHENOL		1.637	1.649	-0.8
7	1,3-DICHLOROBENZENE		1.515	1.457	3.8
8	1,4-DICHLOROBENZENE	C	1.624	1.647	-1.4
9	BENZYL ALCOHOL		1.301	1.229	5.5
.0	1,2-DICHLOROBENZENE		1.698	1.585	6.7
.1	2-METHYLPHENOL		1.734	1.664	4.0
.2	BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.025	-0.7
.3	4-METHYLPHENOL		1.934	1.950	-0.8
.4	N-NITROSO-DI-N-PROPYLAMINE	P	1.529	1.487	2.8
.5	HEXACHLOROETHANE		0.646	0.672	-4.0
.8	NITROBENZENE		0.391	0.390	0.3
.9	ISOPHORONE		0.827	0.818	1.1
0	2-NITROPHENOL	C	0.186	0.178	4.5
1	2,4-DIMETHYLPHENOL		0.350	0.346	1.2
	BENZOIC ACID		0.148	0.196	-31.9
	BIS(2-CHLOROETHOXY)METHANE		0.524	0.537	-2.5
4	2,4-DICHLOROPHENOL	C	0.292	0.295	-1.0
5	1,2,4-TRICHLOROBENZENE		0.260	0.261	6.7
6	NAPHTHALENE		1.253	1.211	3.3
7	4-CHLOROANILINE		0.475	0.439	7.6
8	HEXACHLOROBUTADIENE	C	0.131	0.129	1.5
9	4-CHLORO-3-METHYLPHENOL	C	0.374	0.376	-0.5
0	2-METHYLNAPHTHALENE		0.913	0.881	3.5
4	HEXACHLOROCYCLOPENTADIENE	P	0.196	0.231	-17.8
5	2,4,6-TRICHLOROPHENOL	C	0.343	0.380	-10.7
6	2,4,5-TRICHLOROPHENOL		0.376	0.418	-11.1
7	2-CHLORONAPHTHALENE		1.160	1.194	-2.9
8	2-NITROANILINE		0.513	0.562	-9.6
9	DIMETHYLPHTHALATE		1.391	1.530	-10.0
0	ACENAPHTHYLENE		2.306	2.462	-6.8
1	2,6-DINITROTOLUENE		0.301	0.323	-7.3
2	3-NITROANILINE		0.375	0.385	-2.8
3	ACENAPHTHENE	C	1.399	1.452	-3.8
4	2,4-DINITROPHENOL	P	0.122	0.115	5.3
5	4-NITROPHENOL	P	0.161	0.187	-16.4
6	DIBENZOFURAN		1.847	1.936	-4.8
7	2,4-DINITROTOLUENE		0.397	0.412	-3.6
8	DIETHYLPHTHALATE		1.668	1.745	-4.7
9	4-CHLOROPHENYL-PHENYL ETHER		0.686	0.724	-5.5
0	FLUORENE		1.751	1.828	-4.4
51	4-NITROANILINE		0.494	0.462	6.4
	4,6-DINITRO-2-METHYLPHENOL		0.121	0.113	6.4
	N-NITROSODIPHENYLAMINE	C	0.641	0.639	0.3
55	4-BROMOPHENYL-PHENYL ETHER		0.217	0.229	-5.7
56	HEXACHLOROBENZENE		0.210	0.230	-9.6
57	PENTACHLOROPHENOL	C	0.134	0.129	3.7
58	PHENANTHRENE		1.519	1.548	-1.9
	ANTHRACENE		[illegible]	[illegible]	[illegible]

000248

010956

0	CARBAZOLE		1.290	1.261	2.3
1	DI-N-BUTYLPHTHALATE		1.921	1.919	0.1
2	FLUORANTHENE	C	1.590	1.574	1.0
4	PYRENE		1.237	1.465	-18.5
5	BUTYLBENZYLPHTHALATE		0.638	0.712	-11.6
6	3,3'-DICHLOROBENZIDINE		0.315	0.334	-5.9
	BENZO(A)ANTHRACENE		1.170	1.224	-4.6
	CHRYSENE		1.111	1.216	-9.4
9	BIS(2-ETHYLHEXYL)PHTHALATE		0.890	1.017	-14.2
1	DI-N-OCTYLPHTHALATE	C	3.575	3.379	5.5
2	BENZO(B)FLUORANTHENE		2.120	1.869	11.9
3	BENZO(K)FLUORANTHENE		2.618	2.336	10.9
4	BENZO(A)PYRENE	C	1.863	1.616	13.3
5	INDENO(1,2,3-CD)PYRENE		0.929	0.714	23.1
6	DIBENZ(A,H)ANTHRACENE		1.026	0.817	20.4
7	BENZO(G,H,I)PERYLENE		0.972	0.797	19.1
2	2-FLUOROPHENOL	S	1.104	1.193	-8.0
3	PHENOL-d6	S	1.981	2.061	-4.1
7	NITROBENZENE-D5	S	0.378	0.386	-1.9
2	2-FLUOROBIPHENYL	S	1.302	1.360	-4.5
3	2,4,6-TRIBROMOPHENOL	S	0.133	0.151	-14.1

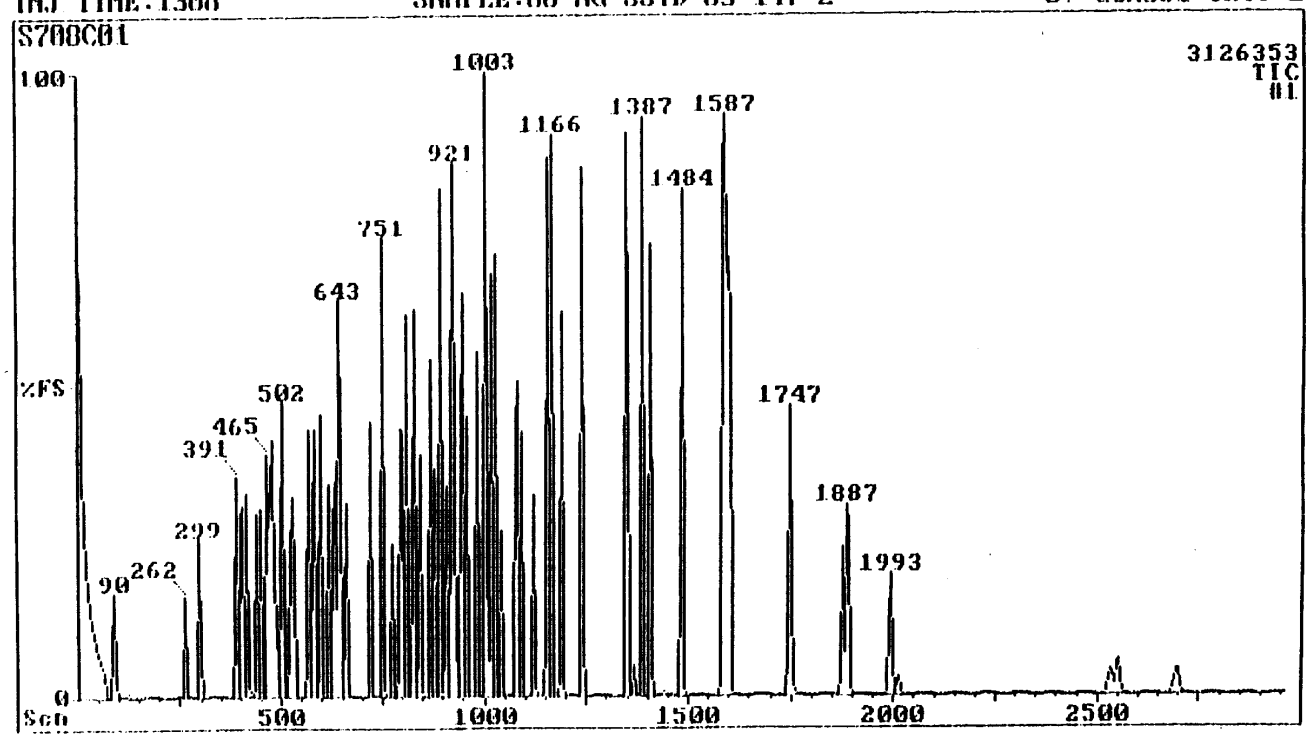
010957

000249

INJ DATE:07/00/93
INJ TIME:1300

FILE:S708C01
SAMPLE:00 NG SSTD 63-147-2

SV-GCMS01-TRIO-2



000250

010958

010958

UAN DB : S706C01 LAB-BASE QUAN 07/08/93 1407

010959

	Name	R.	QM	Scan	RT	P.F	Area	Conc
1	1,4-DICHLOROBENZENE-D4	1	152	447	10.720	bb	77672	20.00000
2	2-FLUOROPHENOL	1	112	261	7.592	bb	370580	80.00000
3	PHENOL-d6	1	99	389	9.745	bb	640472	80.00000
4	PHENOL	1	94	391	9.779	bv	724304	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	407	10.048	vv	607472	80.00000
6	2-CHLOROPHENOL	1	128	416	10.199	bb	512476	80.00000
7	1,3-DICHLOROBENZENE	1	146	439	10.586	bv	452784	80.00000
8	1,4-DICHLOROBENZENE	1	146	449	10.754	vb	511792	80.00000
9	BENZYL ALCOHOL	1	108	465	11.023	bv	381812	80.00000
10	1,2-DICHLOROBENZENE	1	146	472	11.141	bb	492336	80.00000
11	2-METHYLPHENOL	1	108	479	11.259	bb	516908	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	488	11.410	vb	318592	80.00000
13	4-METHYLPHENOL	1	108	502	11.646	bb	605864	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	505	11.696	bb	461968	80.00000
15	HEXACHLOROETHANE	1	117	522	11.982	bb	208700	80.00000
16	NAPHTHALENE-D8	16	136	639	13.950	bb	416160	20.00000
17	NITROBENZENE-D5	16	82	528	12.083	vb	641808	80.00000
18	NITROBENZENE	16	77	531	12.133	bb	649252	80.00000
19	ISOPHORONE	16	82	567	12.739	bb	1360984	80.00000
20	2-NITROPHENOL	16	139	579	12.941	bb	295500	80.00000
21	2,4-DIMETHYLPHENOL	16	107	583	13.008	bb	575736	80.00000
22	BENZOIC ACID	16	122	597	13.244	vv	325936	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	599	13.277	bb	894336	80.00000
24	2,4-DICHLOROPHENOL	16	162	615	13.546	bb	491208	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	630	13.799	bb	434960	80.00000
	NAPHTHALENE	16	128	643	14.017	bv	2016264	80.00000
27	4-CHLOROANILINE	16	127	649	14.118	vv	730484	80.00000
28	HEXACHLOROBUTADIENE	16	225	660	14.303	bb	214976	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	722	15.346	bb	625796	80.00000
30	2-METHYLNAPHTHALENE	16	142	751	15.834	bb	1466608	80.00000
31	ACENAPHTHENE-D10	31	164	916	18.609	bb	235148	20.00000
32	2-FLUOROBIPHENYL	31	172	808	16.793	bb	1279280	80.00000
33	2,4,6-TRIBROMOPHENOL	31	331	1040	20.693	A	142192	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	775	16.238	bb	217312	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	794	16.557	bv*	357144	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	799	16.641	vv	393096	80.00000
37	2-CHLORONAPHTHALENE	31	162	828	17.129	bb	1123132	80.00000
38	2-NITROANILINE	31	65	843	17.382	bb	528440	80.00000
39	DIMETHYLPHTHALATE	31	163	870	17.836	bb	1439016	80.00000
40	ACENAPHTHYLENE	31	152	894	18.239	bb	2315808	80.00000
41	2,6-DINITROTOLUENE	31	165	880	18.004	bb	304128	80.00000
42	3-NITROANILINE	31	138	907	18.458	bv	362076	80.00000
43	ACENAPHTHENE	31	153	921	18.694	bb	1366180	80.00000
44	2,4-DINITROPHENOL	31	184	923	18.727	bv	108296	80.00000
45	4-NITROPHENOL	31	109	930	18.845	bb	176216	80.00000
46	DIBENZOFURAN	31	168	948	19.148	bb	1821200	80.00000
47	2,4-DINITROTOLUENE	31	165	944	19.080	bb	387472	80.00000
48	DIETHYLPHTHALATE	31	149	980	19.686	bb	1641524	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1000	20.022	bb	680576	80.00000
50	FLUORENE	31	166	1003	20.073	bv	1719352	80.00000

000251

010959

010960

	Name	R.	QM	Scan	RT	P.F	Area	Conc
51	4-NITROANILINE	31	138	1004	20.090	bb	434740	80.00000
52	PHENANTHRENE-D10	52	188	1153	22.596	bb	404760	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1008	20.157	bb	183216	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1019	20.342	bv	1035408	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1078	21.334	bb	370620	80.00000
56	HEXACHLOROBENZENE	52	284	1090	21.536	bb	372468	80.00000
57	PENTACHLOROPHENOL	52	266	1120	22.041	bb	209608	80.00000
58	PHENANTHRENE	52	178	1157	22.663	bv	2506688	80.00000
59	ANTHRACENE	52	178	1166	22.815	vb	2571152	80.00000
60	CARBAZOLE	52	167	1189	23.202	bv	2041008	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1240	24.059	bb	3107160	80.00000
62	FLUORANTHENE	52	202	1349	25.893	bb	2548148	80.00000
63	CHRYSENE-D12	63	240	1595	30.031	bv	495504	20.00000
64	PYRENE	63	202	1387	26.532	bb	2904276	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1484	29.164	bv	1411936	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1584	29.846	bv	661578	80.00000
67	BENZO(A)ANTHRACENE	63	228	1593	29.997	vv	2426596	80.00000
68	CHRYSENE	63	228	1601	30.132	vv	2410292	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1587	29.896	bv	2015202	80.00000
70	PERYLENE-D12	70	264	2011	37.028	bb	213220	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1747	32.588	b?	2882180	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1877	34.774	bv	1593657	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1887	34.943	vv	1992462	80.00000
74	BENZO(A)PYRENE	70	252	1993	36.726	bv	1378345	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2532	45.792	bv	609063	80.00000
76	DIBENZ(A,H)ANTHRACENE	70	278	2550	46.095	bv	696660	80.00000
77	BENZO(G,H,I)PERYLENE	70	276	2697	48.567	bv	679393	80.00000

000252

010961

. Datafile : S708C01 Quan DB : S708C01
'ind DB : 8270A Scan DB : S708C01

No.	Spectrum MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	94	91	95	-5	77672	bb	447	452	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	-1	370580	bb	261	262	112	2-FLUOROPHENOL
3	100	82	87	0	640472	bb	389	389	99	PHENOL-d6
4	100	91	98	0	724304	bv	391	391	94	PHENOL
5	76	65	67	-1	607472	vv	407	408	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	80	0	512476	bb	416	416	128	2-CHLOROPHENOL
7	100	95	98	0	452784	bv	439	439	146	1,3-DICHLOROBENZENE
8	100	96	99	-1	511792	vb	449	450	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	381812	bv	465	466	108	BENZYL ALCOHOL
10	100	94	98	-1	492336	bb	472	473	146	1,2-DICHLOROBENZENE
11	100	95	98	0	516908	bb	479	479	108	2-METHYLPHENOL
12	100	79	95	-1	318592	vb	488	489	45	BIS(2-CHLOROISOPROPYL)ETHE
	81	94	97	-4	643808	bv	485			
13	97	76	79	0	605864	bb	502	502	108	4-METHYLPHENOL
14	100	95	99	-1	461968	bb	505	506	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	95	97	-1	208700	bb	522	523	117	HEXACHLOROETHANE
16	100	90	96	-7	416160	bb	639	646	136	NAPHTHALENE-D8
17	62	49	50	0	641808	vb	528	528	82	NITROBENZENE-D5
18	100	95	98	-1	649252	bb	531	532	77	NITROBENZENE
19	100	93	98	0	1360984	bb	567	567	82	ISOPHORONE
20	100	96	99	0	295500	bb	579	579	139	2-NITROPHENOL
21	100	95	99	0	575736	bb	583	583	107	2,4-DIMETHYLPHENOL
22	96	80	87	-2	325936	vv	597	599	122	BENZOIC ACID
23	100	80	98	0	894336	bb	599	599	93	BIS(2-CHLOROETHOXY)METHANE
24	100	94	96	1	491208	bb	615	614	162	2,4-DICHLOROPHENOL
25	100	93	97	1	434960	bb	630	629	180	1,2,4-TRICHLOROBENZENE
26	100	94	98	1	2016264	bv	643	642	128	NAPHTHALENE
27	100	89	94	1	730484	vv	649	648	127	4-CHLOROANILINE
28	100	93	97	0	214976	bb	660	660	225	HEXACHLOROBUTADIENE
29	100	94	99	1	625796	bb	722	721	107	4-CHLORO-3-METHYLPHENOL
30	100	87	96	2	1466608	bb	751	749	142	2-METHYLNAPHTHALENE
31	100	92	98	-7	235148	bb	916	923	164	ACENAPHTHENE-D10
32	100	88	99	1	1279280	bb	808	807	172	2-FLUOROBIPHENYL
33	64	65	86	-4	57224	bb	1039	1043	330	2,4,6-TRIBROMOPHENOL
	41	29	42	1	360	bb	1044			
34	94	79	85	1	217312	bb	775	774	237	HEXACHLOROCYCLOPENTADIENE
35	100	92	98	1	357144	bv*	794	793	196	2,4,6-TRICHLOROPHENOL
36	100	93	98	0	393096	vv	799	799	196	2,4,5-TRICHLOROPHENOL
	70	91	96	-5	357144	bv	794			
37	100	94	99	1	1123132	bb	828	827	162	2-CHLORONAPHTHALENE
38	100	97	99	1	528440	bb	843	842	65	2-NITROANILINE
39	100	91	98	0	1439016	bb	870	870	163	DIMETHYLPHTHALATE
40	100	93	99	0	2315808	bb	894	894	152	ACENAPHTHYLENE
41	100	96	99	-1	304128	bb	880	881	165	2,6-DINITROTOLUENE
42	100	94	99	0	362076	bv	907	907	138	3-NITROANILINE
43	100	93	96	0	1366160	bb	921	921	153	ACENAPHTHENE
44	100	75	91	0	108296	bv	923	923	184	2,4-DINITROPHENOL
45	100	94	98	1	176216	bb	930	929	109	4-NITROPHENOL
46	100	85	96	-1	1821200	bb	948	949	168	DIBENZOFURAN
47	100	94	99	0	387472	bb	944	944	165	2,4-DINITROTOLUENE
48	100	92	98	-1	1641524	bb	980	981	149	DIETHYLPHTHALATE
49	100	88	98	-1	[illegible]	bb	[illegible]	[illegible]	[illegible]	4-CHLOROPHENYL-PHENYL ETHE

000253

50	100	71	90	0	1714[illegible]	bv	1003	1003	166	FLUORENE
51	90	61	96	-1	434740	bb	1004	1005	138	4-NITROANILINE
52	97	88	97	-8	404780	bb	1153	1161	188	PHENANTHRENE-D10
53	100	92	98	-1	183216	bb	1008	1009	198	4,6-DINITRO-2-METHYLPHENOL
54	89	72	82	-1	1035408	bv	1019	1020	169	N-NITROSODIPHENYLAMINE
	61	69	74	4	5140	!b	1024			
55	100	89	96	-1	370620	bb	1078	1079	248	4-BROMOPHENYL-PHENYL ETHER
6	100	92	98	-1	372468	bb	1090	1091	284	HEXACHLOROBENZENE
57	100	83	97	0	209608	bb	1120	1120	266	PENTACHLOROPHENOL
58	100	92	98	0	2506688	bv	1157	1157	178	PHENANTHRENE
59	100	91	98	0	2571152	vb	1166	1166	178	ANTHRACENE
60	100	84	90	1	2041008	bv	1189	1188	167	CARBAZOLE
61	100	91	99	1	3107160	bb	1240	1239	149	DI-N-BUTYLPHTHALATE
62	100	92	99	2	2548148	bb	1349	1347	202	FLUORANTHENE
63	69	58	76	-9	495504	bv	1595	1604	240	CHRYSENE-D12
64	100	92	98	1	2904276	bb	1387	1386	202	PYRENE
65	100	93	98	2	1411936	bv	1484	1482	149	BUTYLBENZYLPHTHALATE
66	57	40	60	1	661578	bv	1584	1583	252	3,3'-DICHLOROBENZIDINE
67	100	84	99	0	2426596	vv	1593	1593	228	BENZO(A)ANTHRACENE
68	94	78	86	-1	2410292	vv	1601	1602	228	CHRYSENE
69	100	90	98	1	2015202	bv	1587	1586	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	80	90	96	-16	213220	bb	2011	2027	264	PERYLENE-D12
71	100	87	97	1	2882180	b?	1747	1746	149	DI-N-OCTYLPHTHALATE
72	99	90	99	2	1593657	bv	1877	1875	252	BENZO(B)FLUORANTHENE
73	100	89	99	1	1992462	vv	1887	1886	252	BENZO(K)FLUORANTHENE
74	100	90	99	1	1378345	bv	1993	1992	252	BENZO(A)PYRENE
75	100	92	97	-4	609063	bv	2532	2536	276	INDENO(1,2,3-CD)PYRENE
76	100	89	97	-5	696660	bv	2550	2555	278	DIBENZ(A,H)ANTHRACENE
77	100	94	97	-5	679393	bv	2697	2702	276	BENZO(G,H,I)PERYLENE

010962

SEMIVOLATILE CONTINUING CALIBRATION CHECK

010963

Lab Name:C:\LC\RESULT Contract:305692

Lab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/09/93 Time:1057

Lab File ID: S709C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND		RRF	RRF80	%D
PHENOL	*	2.357	2.456	-4.2*
BIS(2-CHLOROETHYL)ETHER		1.863	2.071	-11.2
2-CHLOROPHENOL		1.637	1.866	-14.0
1,3-DICHLOROBENZENE		1.515	1.776	-17.2
1,4-DICHLOROBENZENE	*	1.624	1.862	-14.6*
BENZYL ALCOHOL		1.301	1.476	-13.5
1,2-DICHLOROBENZENE		1.698	1.906	-12.3
2-METHYLPHENOL		1.734	2.024	-16.8
BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.186	-16.5
4-METHYLPHENOL		1.934	2.303	-19.1
N-NITROSO-DI-N-PROPYLAMINE	#	1.529	1.785	-16.8#
HEXACHLOROETHANE		0.646	0.806	-24.9
NITROBENZENE		0.391	0.462	-18.0
ISOPHORONE		0.827	0.967	-17.0
2-NITROPHENOL	*	0.186	0.181	2.5*
2,4-DIMETHYLPHENOL		0.350	0.393	-12.3
BENZOIC ACID		0.148	0.161	-8.4
BIS(2-CHLOROETHOXY)METHANE		0.524	0.602	-14.8
2,4-DICHLOROPHENOL	*	0.292	0.311	-6.6*
1,2,4-TRICHLOROBENZENE		0.280	0.278	0.7
NAPHTHALENE		1.253	1.407	-12.3
4-CHLOROANILINE		0.475	0.428	9.8
HEXACHLOROBUTADIENE	*	0.131	0.130	0.6*
4-CHLORO-3-METHYLPHENOL	*	0.374	0.427	-14.1*
2-METHYLNAPHTHALENE		0.913	1.007	-10.2
HEXACHLOROCYCLOPENTADIENE	#	0.196	0.184	6.0#
2,4,6-TRICHLOROPHENOL	*	0.343	0.378	-10.2*
2,4,5-TRICHLOROPHENOL		0.376	0.402	-6.9
2-CHLORONAPHTHALENE		1.160	1.322	-13.9
2-NITROANILINE		0.513	0.612	-19.5
DIMETHYLPHTHALATE		1.391	1.623	-16.7
ACENAPHTHYLENE		2.306	2.723	-18.1
2,6-DINITROTOLUENE		0.301	0.301	0.0
3-NITROANILINE		0.375	0.337	10.1
ACENAPHTHENE	*	1.399	1.667	-19.1*
2,4-DINITROPHENOL	#	0.122	0.070	42.5#
4-NITROPHENOL	#	0.161	0.211	-31.3#

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

010964

.ab Name:C:\LC\RESULT Contract:305692

.ab Code: ITPA Case No.: HK951 SAS No.: SDG No.: GENER

Instrument ID: VG2000 Calibration Date:07/09/93 Time:1057

.ab File ID: S709C01 Init. Calib. Date(s): 07/06/93 07/06/93

Min RRF50 for SPCC(#) = 0.050 Max %D for CCC(*) = 25.0%

COMPOUND	RRF	RRF80	%D
DIBENZOFURAN	1.847	2.100	-13.7
2,4-DINITROTOLUENE	0.397	0.413	-4.0
DIETHYLPHTHALATE	1.668	1.918	-15.0
4-CHLOROPHENYL-PHENYL ETHER	0.686	0.763	-11.3
FLUORENE	1.751	2.150	-22.8
4-NITROANILINE	0.494	0.506	-2.4
4,6-DINITRO-2-METHYLPHENOL	0.121	0.070	41.9
N-NITROSODIPHENYLAMINE (1) *	0.641	0.686	-6.9*
4-BROMOPHENYL-PHENYL ETHER	0.217	0.230	-6.4
HEXACHLOROBENZENE	0.210	0.221	-5.4
PENTACHLOROPHENOL *	0.134	0.122	9.2*
PHENANTHRENE	1.519	1.728	-13.7
ANTHRACENE	1.546	1.779	-14.9
CARBAZOLE	1.290	1.309	-1.5
DI-N-BUTYLPHTHALATE	1.921	2.163	-12.6
FLUORANTHENE *	1.590	1.756	-10.5*
PYRENE	1.237	1.463	-18.3
BUTYLBENZYLPHTHALATE	0.638	0.720	-12.8
3,3'-DICHLOROBENZIDINE	0.315	0.217	31.1
BENZO(A)ANTHRACENE	1.170	1.265	-8.2
CHRYSENE	1.111	1.243	-11.9
BIS(2-ETHYLHEXYL)PHTHALATE	0.890	1.045	-17.4
DI-N-OCTYLPHTHALATE *	3.575	3.490	2.4*
BENZO(B)FLUORANTHENE	2.120	1.915	9.7
BENZO(K)FLUORANTHENE	2.618	2.549	2.6
BENZO(A)PYRENE *	1.863	1.673	10.2*
INDENO(1,2,3-CD)PYRENE	0.929	0.672	27.7
DIBENZ(A,H)ANTHRACENE	1.026	0.822	19.9
BENZO(G,H,I)PERYLENE	0.972	0.798	17.9
2-FLUOROPHENOL	1.104	1.292	-17.0
PHENOL-d6	1.981	2.283	-15.2
NITROBENZENE-D5	0.378	0.431	-13.9
2-FLUOROBIPHENYL	1.302	1.538	-18.1
2,4,6-TRIBROMOPHENOL	0.133	0.132	0.5

(1) Cannot be separated from Diphenylamine

DAILY CALIBRATION CHECK

DATE : 07/09/93

TIME : 1153

LAB FILE ID: S709C01

010965

	COMPOUND	FLAG	RF MEAN	RF 80	%D
4	PHENOL	C	2.357	2.456	-4.2
5	BIS(2-CHLOROETHYL)ETHER		1.863	2.071	-11.2
6	2-CHLOROPHENOL		1.637	1.866	-14.0
7	1,3-DICHLOROBENZENE		1.515	1.776	-17.2
8	1,4-DICHLOROBENZENE	C	1.624	1.862	-14.6
9	BENZYL ALCOHOL		1.301	1.476	-13.5
.0	1,2-DICHLOROBENZENE		1.698	1.906	-12.3
.1	2-METHYLPHENOL		1.734	2.024	-16.8
.2	BIS(2-CHLOROISOPROPYL)ETHER		1.018	1.186	-16.5
.3	4-METHYLPHENOL		1.934	2.303	-19.1
.4	N-NITROSO-DI-N-PROPYLAMINE	P	1.529	1.785	-16.8
.5	HEXACHLOROETHANE		0.646	0.806	-24.9
.8	NITROBENZENE		0.391	0.462	-18.0
.9	ISOPHORONE		0.827	0.967	-17.0
0	2-NITROPHENOL	C	0.186	0.181	2.5
1	2,4-DIMETHYLPHENOL		0.350	0.393	-12.3
2	BENZOIC ACID		0.148	0.161	-8.4
	BIS(2-CHLOROETHOXY)METHANE		0.524	0.602	-14.8
	2,4-DICHLOROPHENOL	C	0.292	0.311	-6.6
5	1,2,4-TRICHLOROBENZENE		0.280	0.278	0.7
6	NAPHTHALENE		1.253	1.407	-12.3
7	4-CHLOROANILINE		0.475	0.428	9.8
8	HEXACHLOROBUTADIENE	C	0.131	0.130	0.6
9	4-CHLORO-3-METHYLPHENOL	C	0.374	0.427	-14.1
0	2-METHYLNAPHTHALENE		0.913	1.007	-10.2
4	HEXACHLOROCYCLOPENTADIENE	P	0.196	0.184	6.0
5	2,4,6-TRICHLOROPHENOL	C	0.343	0.378	-10.2
6	2,4,5-TRICHLOROPHENOL		0.376	0.402	-6.9
7	2-CHLORONAPHTHALENE		1.160	1.322	-13.9
8	2-NITROANILINE		0.513	0.612	-19.5
9	DIMETHYLPHTHALATE		1.391	1.623	-16.7
0	ACENAPHTHYLENE		2.306	2.723	-18.1
1	2,6-DINITROTOLUENE		0.301	0.301	0.0
2	3-NITROANILINE		0.375	0.337	10.1
3	ACENAPHTHENE	C	1.399	1.667	-19.1
4	2,4-DINITROPHENOL	P	0.122	0.070	42.5
5	4-NITROPHENOL	P	0.161	0.211	-31.3
6	DIBENZOFURAN		1.847	2.100	-13.7
7	2,4-DINITROTOLUENE		0.397	0.413	-4.0
8	DIETHYLPHTHALATE		1.668	1.918	-15.0
9	4-CHLOROPHENYL-PHENYL ETHER		0.686	0.763	-11.3
0	FLUORENE		1.751	2.150	-22.8
1	4-NITROANILINE		0.494	0.506	-2.4
3	4,6-DINITRO-2-METHYLPHENOL		0.121	0.070	41.9
	N-NITROSODIPHENYLAMINE	C	0.641	0.686	-6.9
	4-BROMOPHENYL-PHENYL ETHER		0.217	0.230	-6.4
6	HEXACHLOROBENZENE		0.210	0.221	-5.4
	PENTACHLOROPHENOL	C	0.134	0.122	9.2
8	PHENANTHRENE		1.519	1.728	-13.7
9	ANTHRACENE		1.548	1.779	-14.9

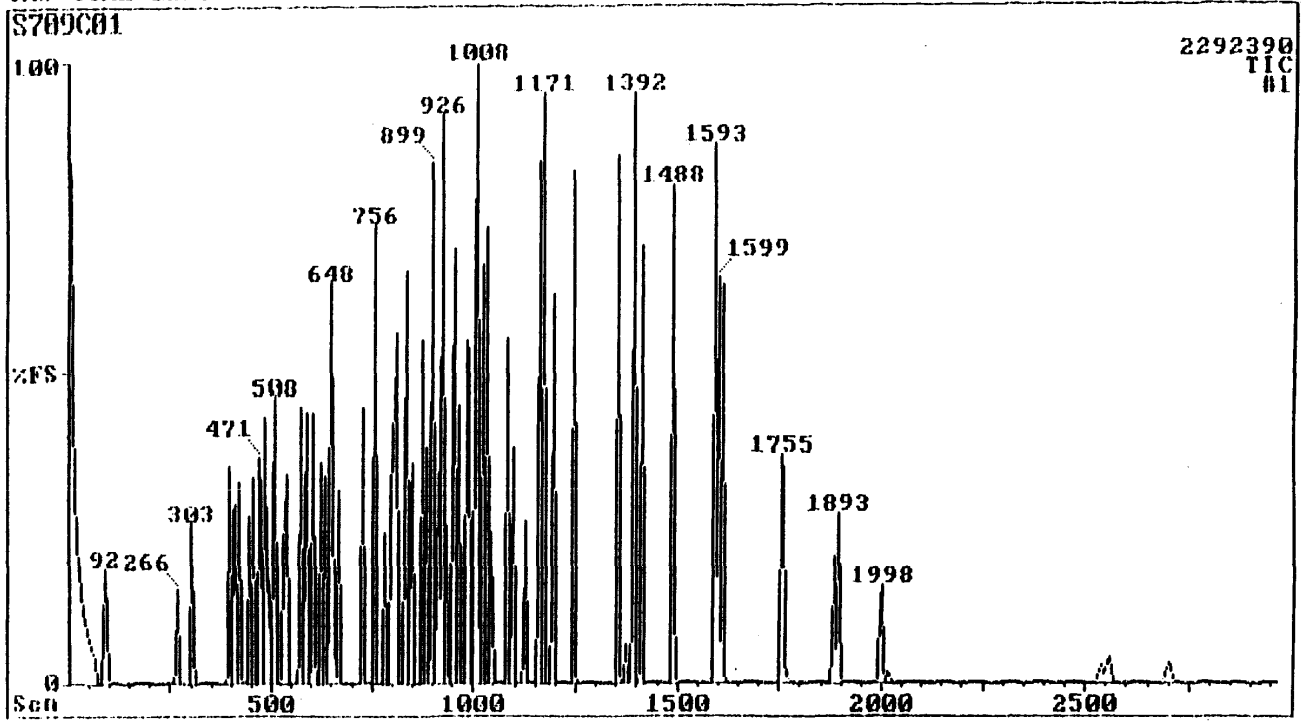
[illegible]		[illegible]	[illegible]	[illegible]
51 DI-N-BUTYLPHTHALATE		1.921	2.163	-12.6
52 FLUORANTHENE	C	1.590	1.756	-10.5
54 PYRENE		1.237	1.463	-16.3
55 BUTYLBENZYLPHTHALATE		0.638	0.720	-12.8
56 3,3'-DICHLOROBENZIDINE		0.315	0.217	31.1
57 BENZO(A)ANTHRACENE		1.170	1.265	-8.2
CHRYSENE		1.111	1.243	-11.9
77 BIS(2-ETHYLHEXYL)PHTHALATE		0.890	1.045	-17.4
71 DI-N-OCTYLPHTHALATE	C	3.575	3.490	2.4
72 BENZO(B)FLUORANTHENE		2.120	1.915	9.7
73 BENZO(K)FLUORANTHENE		2.618	2.549	2.6
74 BENZO(A)PYRENE	C	1.863	1.673	10.2
75 INDENO(1,2,3-CD)PYRENE		0.929	0.672	27.7
76 DIBENZ(A,H)ANTHRACENE		1.026	0.822	19.9
77 BENZO(G,H,I)PERYLENE		0.972	0.798	17.9
2 2-FLUOROPHENOL	S	1.104	1.292	-17.0
3 PHENOL-d6	S	1.981	2.283	-15.2
7 NITROBENZENE-D5	S	0.378	0.431	-13.9
32 2-FLUOROBIPHENYL	S	1.302	1.538	-18.1
33 2,4,6-TRIBROMOPHENOL	S	0.133	0.132	0.5

010966

000258

INJ DATE:07/09/93 FILE:S709C01

INJ TIME:1057 SAMPLE:80 NG SSTD 63-147-2 SV-GCMS#1-TRIO-2



000259

010967

010967

UAN DB : S709C01 LAB-BASE QUAN 07/09/93 1156

010968

No.	Name	R.	QM	Scan	RT	P.F	Area	Conc
1	1,4-DICHLOROBENZENE-D4	1	152	453	10.816	bb	45908	20.00000
2	2-FLUOROPHENOL	1	112	266	7.673	bv	237164	80.00000
3	PHENOL-d6	1	99	395	9.841	bb	419192	80.00000
4	PHENOL	1	94	397	9.875	bv	451044	80.00000
5	BIS(2-CHLOROETHYL)ETHER	1	93	413	10.144	vv	380320	80.00000
6	2-CHLOROPHENOL	1	128	422	10.295	bb	342712	80.00000
7	1,3-DICHLOROBENZENE	1	146	445	10.682	bv	326144	80.00000
8	1,4-DICHLOROBENZENE	1	146	455	10.850	vb	341840	80.00000
9	BENZYL ALCOHOL	1	108	471	11.119	bv	271016	80.00000
10	1,2-DICHLOROBENZENE	1	146	477	11.220	bb	350072	80.00000
11	2-METHYLPHENOL	1	108	485	11.354	bb	371760	80.00000
12	BIS(2-CHLOROISOPROPYL)ETH	1	45	494	11.505	vb	217808	80.00000
13	4-METHYLPHENOL	1	108	508	11.741	bb	422980	80.00000
14	N-NITROSO-DI-N-PROPYLAMIN	1	70	511	11.791	bb	327868	80.00000
15	HEXACHLOROETHANE	1	117	528	12.077	bb	148028	80.00000
16	NAPHTHALENE-D8	16	136	645	14.044	bb	257432	20.00000
17	NITROBENZENE-D5	16	82	534	12.178	vb	443804	80.00000
18	NITROBENZENE	16	77	537	12.228	bb	475604	80.00000
19	ISOPHORONE	16	82	573	12.833	bb	995920	80.00000
20	2-NITROPHENOL	16	139	585	13.035	bb	156756	80.00000
21	2,4-DIMETHYLPHENOL	16	107	589	13.102	bb	404856	80.00000
22	BENZOIC ACID	16	122	603	13.338	vv	165716	80.00000
23	BIS(2-CHLOROETHOXY)METHAN	16	93	605	13.371	bb	619656	80.00000
24	2,4-DICHLOROPHENOL	16	162	621	13.640	bb	320644	80.00000
25	1,2,4-TRICHLOROBENZENE	16	180	635	13.876	bb	286476	80.00000
26	NAPHTHALENE	16	128	648	14.094	bb	1448976	80.00000
	4-CHLOROANILINE	16	127	654	14.195	bb	440876	80.00000
28	HEXACHLOROBUTADIENE	16	225	666	14.397	bb	134264	80.00000
29	4-CHLORO-3-METHYLPHENOL	16	107	728	15.439	bb	439572	80.00000
30	2-METHYLNAPHTHALENE	16	142	756	15.910	bb	1036660	80.00000
31	ACENAPHTHENE-D10	31	164	921	18.684	bb	148332	20.00000
32	2-FLUOROBIPHENYL	31	172	812	16.851	bb	912320	80.00000
33	2,4,6-TRIBROMOPHENOL	31	330	1045	20.768	bb	78272	80.00000
34	HEXACHLOROCYCLOPENTADIENE	31	237	780	16.313	bb	109412	80.00000
35	2,4,6-TRICHLOROPHENOL	31	196	799	16.633	bv*	224332	80.00000
36	2,4,5-TRICHLOROPHENOL	31	196	804	16.717	vb	238708	80.00000
37	2-CHLORONAPHTHALENE	31	162	833	17.204	bb	784160	80.00000
38	2-NITROANILINE	31	65	848	17.456	bb	363328	80.00000
39	DIMETHYLPHTHALATE	31	163	875	17.910	bb	963260	80.00000
40	ACENAPHTHYLENE	31	152	899	18.314	bb	1615468	80.00000
41	2,6-DINITROTOLUENE	31	165	885	18.078	bb	178752	80.00000
42	3-NITROANILINE	31	138	912	18.532	bb	199792	80.00000
43	ACENAPHTHENE	31	153	926	18.768	bb	989036	80.00000
44	2,4-DINITROPHENOL	31	184	928	18.801	bb	41452	80.00000
45	4-NITROPHENOL	31	109	935	18.919	bb	125300	80.00000
46	DIBENZOFURAN	31	168	953	19.221	bb	1246156	80.00000
47	2,4-DINITROTOLUENE	31	165	949	19.154	bb	245300	80.00000
48	DIETHYLPHTHALATE	31	149	985	19.759	bb	1138200	80.00000
49	4-CHLOROPHENYL-PHENYL ETH	31	204	1005	20.096	bb	452896	80.00000
50	FLUORENE	31	166	1008	20.146	bv	1275628	80.00000

n.	Name	R.	GM	Scan	RT	P.F	Area	Conc
51	4-NITROANILINE	31	138	1009	20.163	bb	299980	80.00000
52	PHENANTHRENE-D10	52	188	1158	22.668	bb	250136	20.00000
53	4,6-DINITRO-2-METHYLPHENO	52	198	1013	20.230	bb	70340	80.00000
54	N-NITROSODIPHENYLAMINE	52	169	1024	20.415	bv	686256	80.00000
55	4-BROMOPHENYL-PHENYL ETHE	52	248	1084	21.424	bb	230620	80.00000
56	HEXACHLOROBENZENE	52	284	1095	21.609	bb	221260	80.00000
57	PENTACHLOROPHENOL	52	266	1125	22.113	bb	122072	80.00000
58	PHENANTHRENE	52	178	1162	22.735	bv	1728640	80.00000
59	ANTHRACENE	52	178	1171	22.886	vb	1780316	80.00000
60	CARBAZOLE	52	167	1195	23.290	bb	1309668	80.00000
61	DI-N-BUTYLPHTHALATE	52	149	1246	24.147	bb	2163912	80.00000
62	FLUORANTHENE	52	202	1355	25.979	bb	1757224	80.00000
63	CHRYSENE-D12	63	240	1601	30.115	bb	329124	20.00000
64	PYRENE	63	202	1392	26.601	bb	1926432	80.00000
65	BUTYLBENZYLPHTHALATE	63	149	1488	28.215	bv	947976	80.00000
66	3,3'-DICHLOROBENZIDINE	63	252	1590	29.930	bv	286208	80.00000
67	BENZO(A)ANTHRACENE	63	228	1599	30.081	bv	1665945	80.00000
68	CHRYSENE	63	228	1607	30.216	vv	1636657	80.00000
69	BIS(2-ETHYLHEXYL)PHTHALAT	63	149	1593	29.980	bv	1375487	80.00000
70	PERYLENE-D12	70	264	2017	37.108	bb	116020	20.00000
71	DI-N-OCTYLPHTHALATE	70	149	1755	32.703	b?	1619484	80.00000
72	BENZO(B)FLUORANTHENE	70	252	1883	34.855	bv	888704	80.00000
73	BENZO(K)FLUORANTHENE	70	252	1893	35.023	vv	1183060	80.00000
74	BENZO(A)PYRENE	70	252	1998	36.788	bv	776633	80.00000
75	INDENO(1,2,3-CD)PYRENE	70	276	2538	45.866	bv	311723	80.00000
[illegible]	DIBENZ(A,H)ANTHRACENE	70	278	2556	46.169	bv	381294	80.00000
	BENZO(G,H,I)PERYLENE	70	276	2701	48.606	bv	370561	80.00000

010969

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010970

Datafile : S709C01 Quan DB : S709C01
Lnd DB : 8270A Scan DB : S709C01

No.	MAT	Spectrum FOR	Spectrum REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	92	97	1	45908	bb	453	452	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	0	237164	bv	266	266	112	2-FLUOROPHENOL
3	99	84	89	1	419192	bb	395	394	99	PHENOL-d6
4	100	93	99	1	451044	bv	397	396	94	PHENOL
5	83	65	67	0	380320	vv	413	413	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	79	0	342712	bb	422	422	128	2-CHLOROPHENOL
7	100	94	97	0	326144	bv	445	445	146	1,3-DICHLOROBENZENE
8	100	95	99	-1	341840	vb	455	456	146	1,4-DICHLOROBENZENE
9	100	96	98	-1	271016	bv	471	472	108	BENZYL ALCOHOL
10	98	89	98	-2	350072	bb	477	479	146	1,2-DICHLOROBENZENE
11	100	95	98	-1	371760	bb	485	486	108	2-METHYLPHENOL
12	92	80	95	-2	217808	vb	494	496	45	BIS(2-CHLOROISOPROPYL)ETHE
	72	94	97	-5	436880	bv	491			
13	90	77	79	-1	422980	bb	508	509	108	4-METHYLPHENOL
14	100	95	99	-2	327868	bb	511	513	70	N-NITROSO-DI-N-PROPYLAMINE
15	100	95	97	-1	148028	bb	528	529	117	HEXACHLOROETHANE
16	100	89	95	-1	257432	bb	645	646	136	NAPHTHALENE-D8
17	57	49	51	1	443804	vb	534	533	82	NITROBENZENE-D5
18	100	96	98	0	475604	bb	537	537	77	NITROBENZENE
19	100	93	98	0	995920	bb	573	573	82	ISOPHORONE
20	100	96	99	0	186756	bb	585	585	139	2-NITROPHENOL
21	100	95	99	0	404856	bb	589	589	107	2,4-DIMETHYLPHENOL
22	99	80	87	-1	165716	vv	603	604	122	BENZOIC ACID
23	100	83	98	1	619656	bb	605	604	93	BIS(2-CHLOROETHOXY)METHANE
24	100	94	98	1	320644	bb	621	620	162	2,4-DICHLOROPHENOL
25	100	94	97	0	286476	bb	635	635	180	1,2,4-TRICHLOROBENZENE
26	100	95	99	0	1448976	bb	648	648	128	NAPHTHALENE
27	100	89	95	0	440876	bb	654	654	127	4-CHLOROANILINE
28	100	93	97	0	134264	bb	666	666	225	HEXACHLOROBUTADIENE
29	100	94	98	1	439572	bb	728	727	107	4-CHLORO-3-METHYLPHENOL
30	100	90	97	0	1036660	bb	756	756	142	2-METHYLNAPHTHALENE
31	100	93	98	-3	148332	bb	921	924	164	ACENAPHTHENE-D10
32	100	89	99	1	912320	bb	812	811	172	2-FLUOROBIPHENYL
33	84	63	83	1	78272	bb	1045	1044	330	2,4,6-TRIBROMOPHENOL
34	96	80	87	1	109412	bb	780	779	237	HEXACHLOROCYCLOPENTADIENE
35	99	92	97	2	224332	bv*	799	797	196	2,4,6-TRICHLOROPHENOL
36	100	92	98	1	238708	vb	804	803	196	2,4,5-TRICHLOROPHENOL
	79	90	96	-4	224332	bv	799			
37	100	94	99	1	784160	bb	833	832	162	2-CHLORONAPHTHALENE
38	100	96	98	1	363328	bb	848	847	65	2-NITROANILINE
39	100	91	98	0	963260	bb	875	875	163	DIMETHYLPHTHALATE
40	100	92	99	0	1615468	bb	899	899	152	ACENAPHTHYLENE
41	100	96	99	0	178752	bb	885	885	165	2,6-DINITROTOLUENE
42	100	95	98	0	199792	bb	912	912	138	3-NITROANILINE
43	100	93	96	0	989036	bb	926	926	153	ACENAPHTHENE
44	100	81	93	0	41452	bb	928	928	184	2,4-DINITROPHENOL
45	100	94	97	1	125300	bb	935	934	109	4-NITROPHENOL
46	100	87	98	-1	1246156	bb	953	954	168	DIBENZOFURAN
47	100	94	98	0	245300	bb	949	949	165	2,4-DINITROTOLUENE
48	100	92	98	-1	1138200	bb	985	986	149	DIETHYLPHTHALATE
49	100	89	98	-1	452896	bb	1005	1006	204	4-CHLOROPHENYL-PHENYL ETHE
50	100	77	97	0	1275428	bv	1008	1008	166	FLUORENE

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4-NITROANILINE
52	100	89	97	-4	250136	bb	1158	1162	188	PHENANTHRENE-D10
53	100	91	97	-1	70340	bb	1013	1014	198	4,6-DINITRO-2-METHYLPHENOL
54	90	73	83	-1	686256	bv	1024	1025	169	N-NITROSODIPHENYLAMINE
55	100	87	95	0	230620	bb	1084	1084	248	4-BROMOPHENYL-PHENYL ETHER
56	100	92	97	-1	221260	bb	1095	1096	284	HEXACHLOROBENZENE
57	100	82	96	0	122072	bb	1125	1125	266	PENTACHLOROPHENOL
8	100	92	99	0	1728640	bv	1162	1162	178	PHENANTHRENE
59	100	91	99	0	1780316	vb	1171	1171	178	ANTHRACENE
60	99	83	90	1	1309668	bb	1195	1194	167	CARBAZOLE
61	99	90	98	2	2163912	bb	1246	1244	149	DI-N-BUTYLPHTHALATE
62	99	91	98	2	1757224	bb	1355	1353	202	FLUORANTHENE
63	74	54	74	-4	329124	bb	1601	1605	240	CHRYSENE-D12
64	100	91	98	1	1926432	bb	1392	1391	202	PYRENE
65	100	93	98	1	947976	bv	1488	1487	149	BUTYLBENZYLPHTHALATE
66	65	45	59	1	286208	bv	1590	1589	252	3,3'-DICHLOROBENZIDINE
67	100	80	99	0	1665945	bv	1599	1599	228	BENZO(A)ANTHRACENE
68	94	77	87	-1	1636657	vv	1607	1608	228	CHRYSENE
69	100	89	97	1	1375487	bv	1593	1592	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	85	68	91	-12	116020	bb	2017	2029	264	PERYLENE-D12
71	71	85	96	4	1619484	b?	1755	1751	149	DI-N-OCTYLPHTHALATE
72	98	88	98	2	888704	bv	1883	1881	252	BENZO(B)FLUORANTHENE
73	100	88	98	1	1183060	vv	1893	1892	252	BENZO(K)FLUORANTHENE
74	100	89	98	0	776633	bv	1998	1998	252	BENZO(A)PYRENE
75	100	93	96	-6	311723	bv	2538	2544	276	INDENO(1,2,3-CD)PYRENE
76	100	91	97	-6	381294	bv	2556	2562	278	DIBENZ(A,H)ANTHRACENE
77	99	96	97	-9	370561	bv	2701	2710	276	BENZO(G,H,I)PERYLENE

010971

010972

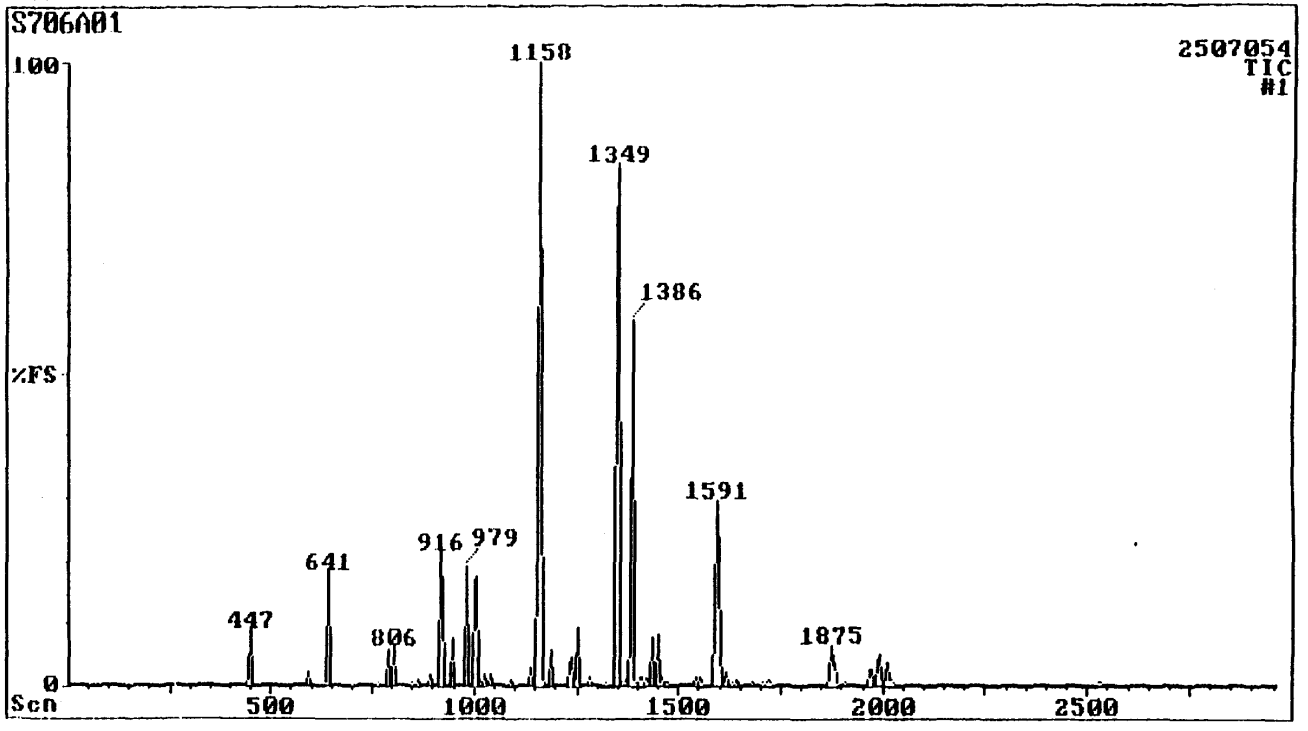
THE FOLLOWING DATA IS

FOR QA/QC

000264

INJ DATE:07/07/93 FILE:S706A01 MS

INJ TIME:0024 SAMPLE:M93-6.118-007 F.V=5ML X500 DILN SV-GCMS#1-TRIO-2



000265

010973

010973

Quantitation Results

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Date : 07/07/9

Time : 0024

010974

Datafile : S706A01

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.738
4-CHLOROANILINE	0.461
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.632
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.077
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	1.235
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	10.115
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	5.621
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	12.199
4-NITROANILINE	0.420
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.125
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000266

[illegible]	[illegible]
PHENANTHRENE	62.804
ANTHRACENE	22.317
CARBAZOLE	4.286
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	54.162
CHRYSENE-D12	20.000
PYRENE	43.711
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	22.245
CHRYSENE	17.551
BIS(2-ETHYLHEXYL)PHTHALATE	0.142
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	19.953
BENZO(K)FLUORANTHENE	6.243
BENZO(A)PYRENE	14.393
INDENO(1,2,3-CD)PYRENE	9.959
DIBENZ(A,H)ANTHRACENE	0.650
BENZO(G,H,I)PERYLENE	8.251

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000267

Datafile : S706A01

010976

Internal Standard Area Summary

OMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	76352	127376
NAPHTHALENE-D8	175112	405024	700448
ACENAPHTHENE-D10	99342	249028	397368
PHENANTHRENE-D10	177170	431836	708680
CHRYSENE-D12	220796	463624	883184
PERYLENE-D12	94146	238188	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.73
NAPHTHALENE-D8	13.98	13.99
ACENAPHTHENE-D10	18.65	18.63
PHENANTHRENE-D10	22.63	22.63
CHRYSENE-D12	30.06	30.03
PERYLENE-D12	37.06	37.06

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	1388
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010977

Raw Datafile : S706A01
Find DB : 8270A

Quan DB : S706A01
Scan DB : S706A01

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	92	86	89	-4	76352	bb	447	451	152	1,4-DICHLOROBENZENE-D4
2	*** No Trace Found ***							262	112	2-FLUOROPHENOL
3	*** No Trace Found ***							389	99	PHENOL-d6
4	*** No Trace Found ***							391	94	PHENOL
5	*** No Trace Found ***							408	93	BIS(2-CHLOROETHYL)ETHER
6	*** No Trace Found ***							416	128	2-CHLOROPHENOL
7	*** No Trace Found ***							439	146	1,3-DICHLOROBENZENE
8	*** No Trace Found ***							450	146	1,4-DICHLOROBENZENE
9	*** No Trace Found ***							466	108	BENZYL ALCOHOL
10	*** No Trace Found ***							473	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							479	108	2-METHYLPHENOL
12	*** No Trace Found ***							489	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							502	108	4-METHYLPHENOL
14	*** No Trace Found ***							506	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***							523	117	HEXACHLOROETHANE
16	100	90	95	-4	405024	bb	641	645	136	NAPHTHALENE-D8
17	*** No Trace Found ***					*		530	82	NITROBENZENE-D5
18	*** No Trace Found ***							534	77	NITROBENZENE
19	*** No Trace Found ***							569	82	ISOPHORONE
20	*** No Trace Found ***							581	139	2-NITROPHENOL
21	*** No Trace Found ***							585	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							601	122	BENZOIC ACID
23	*** No Trace Found ***							601	93	BIS(2-CHLOROETHOXY)METHANE
24	*** No Trace Found ***							616	162	2,4-DICHLOROPHENOL
25	*** No Trace Found ***							631	180	1,2,4-TRICHLOROBENZENE
26	100	97	97	0	42592	bb	644	644	128	NAPHTHALENE
27	20	29	31	-6	4448	bb	644	650	127	4-CHLOROANILINE
28	*** No Trace Found ***							662	225	HEXACHLOROBUTADIENE
29	*** No Trace Found ***							723	107	4-CHLORO-3-METHYLPHENOL
30	96	78	78	1	11716	bb	752	751	142	2-METHYLNAPHTHALENE
	66	76	77	16	11312	bb	767			
31	100	94	98	-6	249028	bb	916	922	164	ACENAPHTHENE-D10
32	29	11	39	1	1388	bb	808	807	172	2-FLUOROBIPHENYL
33	*** No Trace Found ***							1040	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							774	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							793	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							799	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							827	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							842	65	2-NITROANILINE
39	*** No Trace Found ***							870	163	DIMETHYLPHTHALATE
40	100	91	96	0	39688	bb	894	894	152	ACENAPHTHYLENE
41	*** No Trace Found ***					*		881	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							907	138	3-NITROANILINE
43	100	92	95	0	199268	bb	921	921	153	ACENAPHTHENE
44	*** No Trace Found ***					*		923	184	2,4-DINITROPHENOL
45	*** No Trace Found ***							929	109	4-NITROPHENOL
46	100	84	95	0	144432	bb	949	949	168	DIBENZOFURAN
47	*** No Trace Found ***							944	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***							981	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1001	204	4-CHLOROPHENYL-PHENYL ETHE
50	100	82	93	0	294752	bb	1003	1003	166	FLUORENE
51	22	4	34	-1	2816	bb	1004	1005	138	4-NITROANILINE
52	100	89	97	-6	431836	bb	1154	1160	198	PHENANTHRENE-D10
53	*** No Trace Found ***					*		1010	198	4,6-DINITRO-2-METHYLPHENOL

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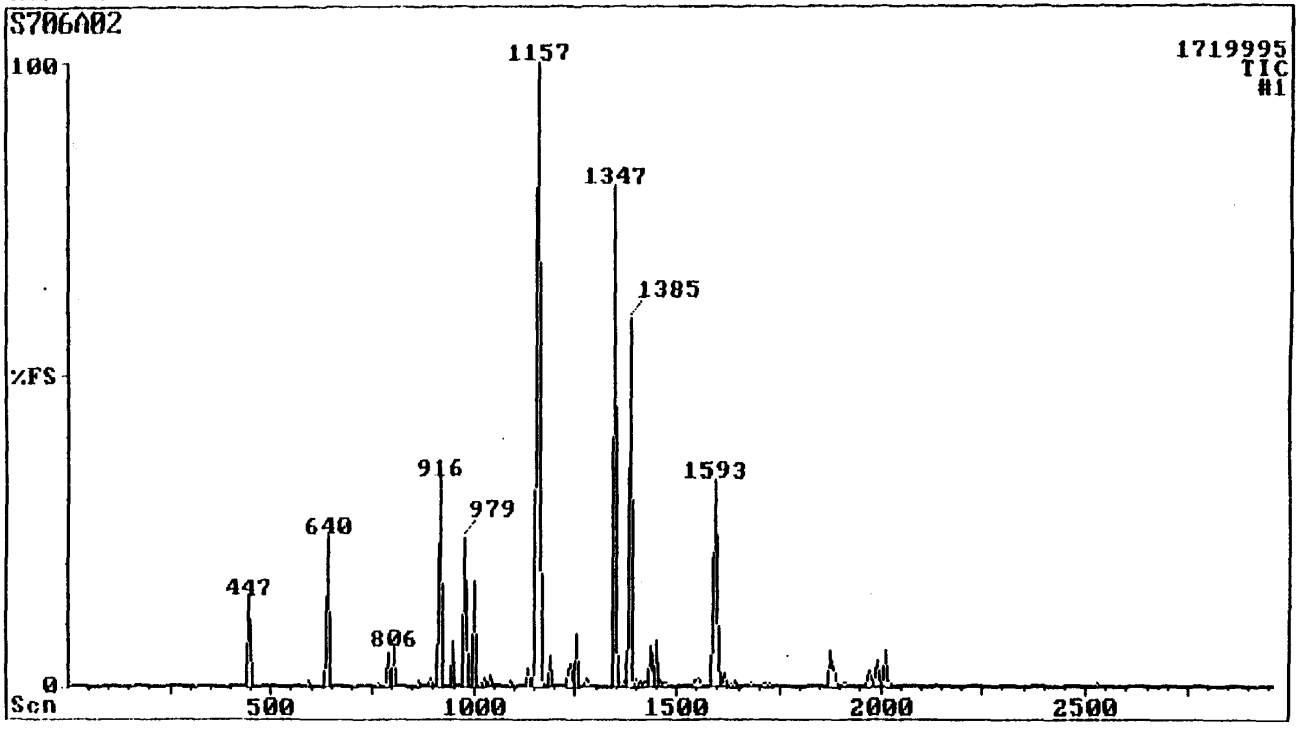
											[illegible]
	26	27	34	4	724	bb	1025				
	13	22	27	-7	508	bb	1014				
55	*** No Trace Found ***							1080	248	4-BROMOPHENYL-PHENYL ETHER	
56	*** No Trace Found ***							1092	284	HEXACHLOROBENZENE	
57	*** No Trace Found ***							1121	266	PENTACHLOROPHENOL	
58	100	92	98	0	2049868	bv	1158	1158	178	PHENANTHRENE	
59	100	91	99	-1	776912	vv	1166	1167	178	ANTHRACENE	
60	100	85	89	0	117748	bb	1189	1189	167	CARBAZOLE	
61	*** No Trace Found ***							1240	149	DI-N-BUTYLPHTHALATE	
62	100	91	98	1	1903124	bv	1349	1348	202	FLUORANTHENE	
63	86	73	95	-9	463624	bb	1593	1602	240	CHRYSENE-D12	
64	99	90	98	2	1387212	bv	1386	1384	202	PYRENE	
65	*** No Trace Found ***					*		1480	149	BUTYLBENZYLPHTHALATE	
66	*** No Trace Found ***							1581	252	3,3'-DICHLOROBENZIDINE	
67	100	76	99	0	633538	vv	1591	1591	228	BENZO(A)ANTHRACENE	
68	82	73	84	-2	483907	vv	1598	1600	228	CHRYSENE	
69	6	2	19	7	3528	bb	1591	1584	149	BIS(2-ETHYLHEXYL)PHTHALATE	
70	82	88	94	-14	238188	bv	2011	2025	264	PERYLENE-D12	
71	*** No Trace Found ***							1746	149	DI-N-OCTYLPHTHALATE	
72	100	89	98	-1	447689	b!	1874	1875	252	BENZO(B)FLUORANTHENE	
73	71	91	98	-5	175890	!v	1881	1886	252	BENZO(K)FLUORANTHENE	
74	100	92	98	-2	277840	bb	1990	1992	252	BENZO(A)PYRENE	
75	100	89	89	-8	87396	bv	2528	2536	276	INDENO(1,2,3-CD)PYRENE	
76	57	50	50	-9	6096	!!	2546	2555	278	DIBENZ(A,H)ANTHRACENE	
	57	51	51	-11	6112	!!	2544				
	44	47	47	-25	352	bb	2530				
77	82	86	86	-11	77712	bv	2691	2702	276	BENZO(G,H,I)PERYLENE	

010978

INJ DATE:07/07/93 FILE:S706A02 MSD

INJ TIME:0125 SAMPLE:M93-6.118-008 F.V=5ML X500 DILN SV-GCMS#1-TRIO-2



010979

0002711

Quantitation Results

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Date : 07/07/93

Time : 0125

Datafile : S706A02

010980

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	0.000
PHENOL-d6	0.000
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.000
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	0.000
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	1.073
4-CHLOROANILINE	0.304
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.396
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	0.076
2,4,6-TRIBROMOPHENOL	0.000
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.812
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	6.596
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	3.807
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	7.910
4-NITROANILINE	0.273
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.067
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000272

PHENANTHRENE	44.139
ANTHRACENE	15.398
CARBAZOLE	2.892
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	36.980
CHRYSENE-D12	20.000
PYRENE	31.939
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	14.984
CHRYSENE	12.990
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	12.065
BENZO(K)FLUORANTHENE	4.443
BENZO(A)PYRENE	8.206
INDENO(1,2,3-CD)PYRENE	6.685
DIBENZ(A,H)ANTHRACENE	0.328
BENZO(G,H,I)PERYLENE	1.254

010981

Datafile : S706A02

010982

Internal Standard Area Summary

OMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	31844	78000	127376
NAPHTHALENE-D8	175112	414096	700448
ACENAPHTHENE-D10	99342	252288	397368
PHENANTHRENE-D10	177170	398772	708680
CHRYSENE-D12	220796	411704	883184
PERYLENE-D12	94146	246488	376584

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.73
NAPHTHALENE-D8	13.98	13.97
ACENAPHTHENE-D10	18.65	18.62
PHENANTHRENE-D10	22.63	22.61
CHRYSENE-D12	30.06	30.02
PERYLENE-D12	37.06	37.09

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	0	0.0	(25-121)		0
PHENOL-d6	0			0	
NITROBENZENE-D5	0	0.0	(23-120)		0
2-FLUOROBIPHENYL	0	0.1	(30-115)	bb	1388
2,4,6-TRIBROMOPHENOL	0	0.0	(19-122)		0

DILUTED OUT
FBB 7/7/93

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

000274

Interim Report LAB-BASE FIND 07/07/93 0941

Raw Datafile : S706A02 Quan DB : S706A02
Find DB : 8270A Scan DB : S706A02

010983

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	88	85	89	-5	78000	bb	447	452	152	1,4-DICHLOROBENZENE-D4
2	*** No Trace Found ***							262	112	2-FLUOROPHENOL
3	*** No Trace Found ***							389	99	PHENOL-d6
4	*** No Trace Found ***							391	94	PHENOL
5	*** No Trace Found ***							408	93	BIS(2-CHLOROETHYL)ETHER
6	*** No Trace Found ***							416	128	2-CHLOROPHENOL
7	*** No Trace Found ***							439	146	1,3-DICHLOROBENZENE
8	*** No Trace Found ***							450	146	1,4-DICHLOROBENZENE
9	*** No Trace Found ***							466	108	BENZYL ALCOHOL
10	*** No Trace Found ***							473	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							479	108	2-METHYLPHENOL
12	*** No Trace Found ***							489	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							502	108	4-METHYLPHENOL
14	*** No Trace Found ***							506	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***							523	117	HEXACHLOROETHANE
16	100	90	95	-6	414096	bb	640	646	136	NAPHTHALENE-D8
17	*** No Trace Found ***					*		529	82	NITROBENZENE-D5
18	*** No Trace Found ***							533	77	NITROBENZENE
19	*** No Trace Found ***							568	82	ISOPHORONE
20	*** No Trace Found ***							580	139	2-NITROPHENOL
21	*** No Trace Found ***							584	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							600	122	BENZOIC ACID
23	*** No Trace Found ***							600	93	BIS(2-CHLOROETHOXY)METHANE
24	*** No Trace Found ***							615	162	2,4-DICHLOROPHENOL
25	*** No Trace Found ***							630	180	1,2,4-TRICHLOROBENZENE
26	100	95	95	1	26880	bb	644	643	128	NAPHTHALENE
27	21	27	29	-5	2996	bb	644	649	127	4-CHLOROANILINE
28	*** No Trace Found ***							661	225	HEXACHLOROBUTADIENE
29	*** No Trace Found ***							722	107	4-CHLORO-3-METHYLPHENOL
30	89	74	74	2	7508	bb	752	750	142	2-METHYLNAPHTHALENE
	65	78	78	17	8544	bb	767			
31	100	94	98	-7	252288	bb	916	923	164	ACENAPHTHENE-D10
32	33	19	39	1	1388	bb	808	807	172	2-FLUOROBIPHENYL
33	*** No Trace Found ***							1040	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							774	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							793	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							799	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							827	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							842	65	2-NITROANILINE
39	*** No Trace Found ***							870	163	DIMETHYLPHTHALATE
40	100	91	94	0	26448	bb	894	894	152	ACENAPHTHYLENE
41	*** No Trace Found ***					*		881	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							907	138	3-NITROANILINE
43	100	92	95	0	131648	bb	921	921	153	ACENAPHTHENE
44	*** No Trace Found ***					*		923	184	2,4-DINITROPHENOL
45	*** No Trace Found ***							929	109	4-NITROPHENOL
46	100	87	97	-1	99104	bb	948	949	168	DIBENZOFURAN
47	*** No Trace Found ***							944	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***							981	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1001	204	4-CHLOROPHENYL-PHENYL ETHE
50	100	88	97	0	193636	bb	1003	1003	166	FLUORENE
51	19	4	33	-2	1852	bb	1003	1005	138	4-NITROANILINE
52	100	88	97	-7	398772	bb	1153	1160	198	PHENANTHRENE-D10
53	*** No Trace Found ***					*		1009	198	4,6-DINITRO-2-METHYLPHENOL

000275

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	N-NITROSODIPHENYLAMINE
[illegible]	22	26	32	5		452	bb	1025			
55	*** No Trace Found ***								1079	248	4-BROMOPHENYL-PHENYL ETHER
56	*** No Trace Found ***								1091	284	HEXACHLOROBENZENE
57	*** No Trace Found ***								1120	266	PENTACHLOROPHENOL
58	100	92	99	0		1330344	bv	1157	1157	178	PHENANTHRENE
59	100	90	98	-1		495008	vv	1165	1166	178	ANTHRACENE
60	100	82	87	0		73352	bb	1188	1188	167	CARBAZOLE
61	*** No Trace Found ***								1239	149	DI-N-BUTYLPHTHALATE
62	100	91	99	0		1199884	bv	1347	1347	202	FLUORANTHENE
63	89	77	96	-10		411704	bb	1593	1603	240	CHRYSENE-D12
64	100	90	98	1		900096	bb	1385	1384	202	PYRENE
65	*** No Trace Found ***				*				1480	149	BUTYLBENZYLPHTHALATE
66	*** No Trace Found ***								1581	252	3,3'-DICHLOROBENZIDINE
67	100	74	99	0		378949	bv	1591	1591	228	BENZO(A)ANTHRACENE
68	89	72	82	-1		318044	vv	1599	1600	228	CHRYSENE
69	*** No Trace Found ***								1584	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	84	87	93	-13		246488	bv	2013	2026	264	PERYLENE-D12
71	*** No Trace Found ***								1747	149	DI-N-OCTYLPHTHALATE
72	100	92	98	-1		280126	b!	1876	1877	252	BENZO(B)FLUORANTHENE
73	71	92	98	-5		129545	!b	1883	1888	252	BENZO(K)FLUORANTHENE
74	91	93	98	-3		163920	bb	1991	1994	252	BENZO(A)PYRENE
75	92	80	80	-9		60708	bv	2530	2539	276	INDENO(1,2,3-CD)PYRENE
76	36	31	31	-7		3188	!b	2550	2557	278	DIBENZ(A,H)ANTHRACENE
	36	32	32	-10		7716	b!	2547			
	12	19	19	51		3544	b!	2608			
77	80	82	82	-11		12224	!!	2694	2705	276	BENZO(G,H,I)PERYLENE

010984

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010985

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LAB BLANK 1

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-001

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706S03

Level: (low/med) LOW

Date Received:

% Solid: not dec. 100.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/06/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	0.330	U
218-01-9	Chrysene	0.330	U
205-99-2	Benzo(b)fluoranthene	0.330	U
207-08-9	Benzo(k)fluoranthene	0.330	U
50-32-8	Benzo(a)pyrene	0.330	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U
53-70-3	Dibenz(a,h)anthracene	0.330	U

010986

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LAB BLANK 1

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-001

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706S03

Level: (low/med) LOW

Date Received:

% Solid: not dec. 100.0

Date Extracted: 6/29/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/06/93

GPC Cleanup: (Y/N) N

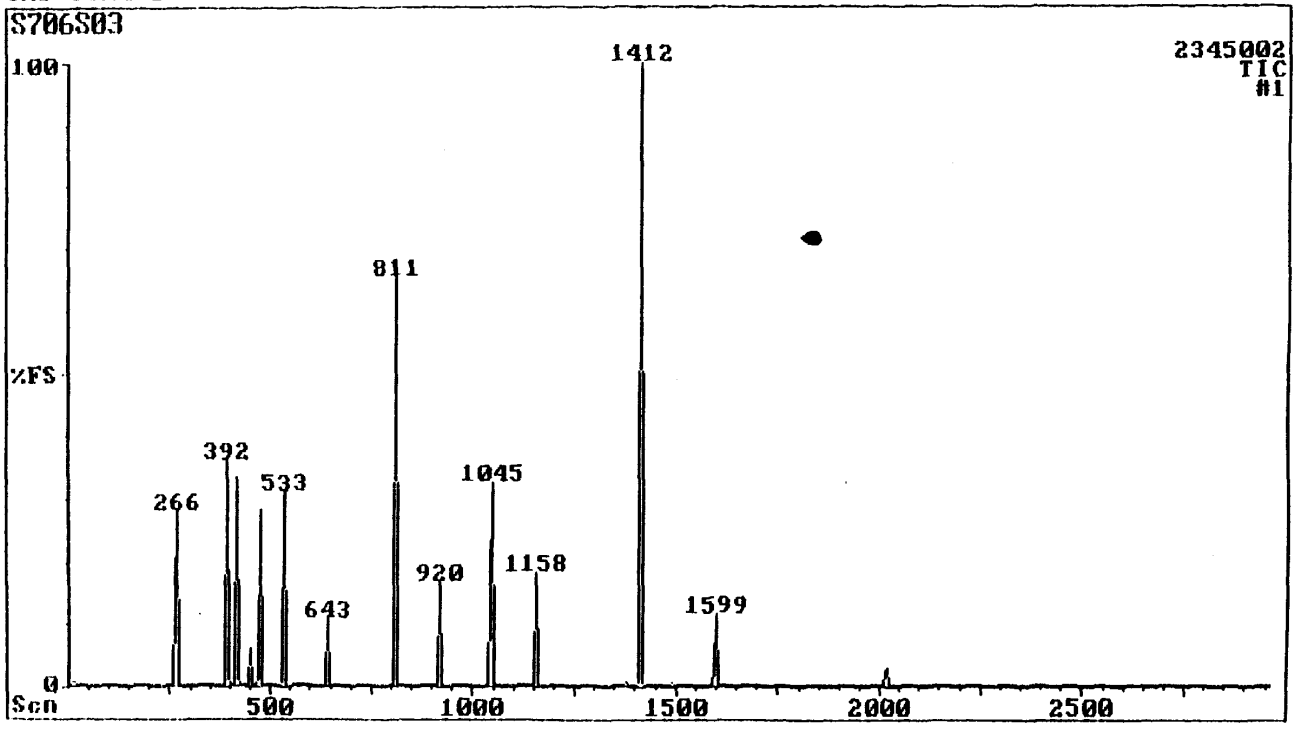
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	0.330	U
208-96-8	Acenaphthylene	0.330	U
83-32-9	Acenaphthene	0.330	U
86-73-7	Fluorene	0.330	U
85-01-8	Phenanthrene	0.330	U
120-12-7	Anthracene	0.330	U
206-44-0	Fluoranthene	0.330	U
129-00-0	Pyrene	0.330	U
56-55-3	Benzo(a)anthracene	0.330	U
218-01-9	Chrysene	0.330	U
205-99-2	Benzo(b)fluoranthene	0.330	U
207-08-9	Benzo(k)fluoranthene	0.330	U
50-32-8	Benzo(a)pyrene	0.330	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U
53-70-3	Dibenz(a,h)anthracene	0.330	U
191-24-2	Benzo(g,h,i)perylene	0.330	U

LAB BLANK 1

INJ DATE:07/06/93 FILE:S706S03

INJ TIME:1809 SAMPLE:M93-6.118-BLK (1-20) SV-GCMS#1-TRIO-2



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010987

Quantitation Results

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Date : 07/06/93

Time : 1809

Datafile : S706S03

010988

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	158.716
PHENOL-d6	118.190
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.152
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.359
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	90.733
NITROBENZENE	0.102
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	71.970
2,4,6-TRIBROMOPHENOL	89.961
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.000
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.000
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.000
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000280

[illegible]	0.000
PHENANTHRENE	0.000
ANTHRACENE	0.000
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.000
CHRYSENE-D12	20.000
PYRENE	0.000
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.000
CHRYSENE	0.000
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010989

000281

Datafile : S706S03

010990

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	14938	48216	59752
NAPHTHALENE-D8	84586	265832	338344
ACENAPHTHENE-D10	63038	190720	252152
PHENANTHRENE-D10	112210	324500	448840
CHRYSENE-D12	175220	308796	700880
PERYLENE-D12	56884	198368	227536

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.78
NAPHTHALENE-D8	13.97	14.01
ACENAPHTHENE-D10	18.61	18.67
PHENANTHRENE-D10	22.58	22.67
CHRYSENE-D12	30.01	30.08
PERYLENE-D12	36.97	37.11

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	159	158.7	(25-121)	bb	376844
PHENOL-d6	118	bb	610988		
NITROBENZENE-D5	91	90.7	(23-120)	bb	492792
2-FLUOROBIPHENYL	72	72.0	(30-115)	bb	1096540
2,4,6-TRIBROMOPHENOL	90	90.0	(19-122)	bb	121540

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

010991

Raw Datafile : S706S03
Find DB : 8270A

Quan DB : S706S03
Scan DB : S706S03

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	85	88	-1	48216	bb	451	452	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	1	376844	bb	266	265	112	2-FLUOROPHENOL
3	86	73	76	-1	610988	bb	392	393	99	PHENOL-d6
4	*** No Trace Found ***							395	94	PHENOL
5	*** No Trace Found ***							411	93	BIS(2-CHLOROETHYL)ETHER
6	16	9	19	-1	672	bb	419	420	128	2-CHLOROPHENOL
7	*** No Trace Found ***							443	146	1,3-DICHLOROBENZENE
8	*** No Trace Found ***							454	146	1,4-DICHLOROBENZENE
9	17	9	31	4	1252	bb	474	470	108	BENZYL ALCOHOL
10	*** No Trace Found ***							477	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							484	108	2-METHYLPHENOL
12	*** No Trace Found ***							494	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							506	108	4-METHYLPHENOL
14	*** No Trace Found ***							510	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***							527	117	HEXACHLOROETHANE
16	100	91	95	-4	265832	bb	643	647	136	NAPHTHALENE-D8
17	51	48	49	2	492792	bb	533	531	82	NITROBENZENE-D5
18	8	2	14	-2	604	bb	533	535	77	NITROBENZENE
19	*** No Trace Found ***							571	82	ISOPHORONE
20	*** No Trace Found ***							583	139	2-NITROPHENOL
21	*** No Trace Found ***							587	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							602	122	BENZOIC ACID
23	*** No Trace Found ***							602	93	BIS(2-CHLOROETHOXY)METHANE
24	*** No Trace Found ***							618	162	2,4-DICHLOROPHENOL
25	*** No Trace Found ***							633	180	1,2,4-TRICHLOROBENZENE
26	*** No Trace Found ***							646	128	NAPHTHALENE
27	*** No Trace Found ***							652	127	4-CHLOROANILINE
28	*** No Trace Found ***							664	225	HEXACHLOROBUTADIENE
29	*** No Trace Found ***							725	107	4-CHLORO-3-METHYLPHENOL
30	*** No Trace Found ***							754	142	2-METHYLNAPHTHALENE
31	100	95	98	-4	190720	bb	920	924	164	ACENAPHTHENE-D10
32	100	91	99	1	1096540	bb	811	810	172	2-FLUOROBIPHENYL
33	100	83	92	1	121540	bb	1045	1044	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							778	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							797	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							802	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							831	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							846	65	2-NITROANILINE
39	*** No Trace Found ***							874	163	DIMETHYLPHTHALATE
40	*** No Trace Found ***							898	152	ACENAPHTHYLENE
41	*** No Trace Found ***							884	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							911	138	3-NITROANILINE
43	*** No Trace Found ***							925	153	ACENAPHTHENE
44	*** No Trace Found ***							927	184	2,4-DINITROPHENOL
45	*** No Trace Found ***							933	109	4-NITROPHENOL
46	*** No Trace Found ***							953	168	DIBENZOFURAN
47	*** No Trace Found ***							948	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***							985	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1005	204	4-CHLOROPHENYL-PHENYL ETHE
50	*** No Trace Found ***							1007	166	FLUORENE
51	*** No Trace Found ***							1009	138	4-NITROANILINE
52	100	89	97	-4	324500	bb	1158	1162	188	PHENANTHRENE-D10
53	*** No Trace Found ***					*		1014	198	4,6-DINITRO-2-METHYLPHENOL
54	*** No Trace Found ***							1025	169	N-NITROSODIPHENYLAMINE

[illegible]	*** No Trace Found ***								1084	248	4-BROMOPHENYL-PHENYL ETHER
56	*** No Trace Found ***								1096	284	HEXACHLOROBENZENE
57	*** No Trace Found ***								1125	266	PENTACHLOROPHENOL
58	*** No Trace Found ***								1162	178	PHENANTHRENE
59	*** No Trace Found ***								1171	178	ANTHRACENE
60	*** No Trace Found ***								1194	167	CARBAZOLE
61	*** No Trace Found ***								1244	149	DI-N-BUTYLPHTHALATE
62	*** No Trace Found ***								1353	202	FLUORANTHENE
63	89	76	86	-6	308796	bb	1599		1605	240	CHRYSENE-D12
64	*** No Trace Found ***								1390	202	PYRENE
65	*** No Trace Found ***								1485	149	BUTYLBENZYLPHTHALATE
66	*** No Trace Found ***								1587	252	3,3'-DICHLOROBENZIDINE
67	*** No Trace Found ***								1597	228	BENZO(A)ANTHRACENE
68	*** No Trace Found ***								1606	228	CHRYSENE
69	*** No Trace Found ***								1590	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	83	86	87	-12	198368	bb	2017		2029	264	PERYLENE-D12
71	*** No Trace Found ***								1751	149	DI-N-OCTYLPHTHALATE
72	*** No Trace Found ***								1881	252	BENZO(B)FLUORANTHENE
73	*** No Trace Found ***								1892	252	BENZO(K)FLUORANTHENE
74	*** No Trace Found ***								1998	252	BENZO(A)PYRENE
75	*** No Trace Found ***								2544	276	INDENO(1,2,3-CD)PYRENE
76	*** No Trace Found ***								2562	278	DIBENZ(A,H)ANTHRACENE
77	*** No Trace Found ***								2710	276	BENZO(G,H,I)PERYLENE

010992

010993

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LAB BLANK 2

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-001

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B04

Level: (low/med) LOW

Date Received:

% Solid: not dec. 100.0

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
56-55-3	Benzo(a)anthracene	0.330	U
218-01-9	Chrysene	0.330	U
205-99-2	Benzo(b)fluoranthene	0.330	U
207-08-9	Benzo(k)fluoranthene	0.330	U
50-32-8	Benzo(a)pyrene	0.330	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U
53-70-3	Dibenz(a,h)anthracene	0.330	U

010994

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

LAB BLANK 2

Lab Name: CHESTER LABNET

Matrix: (soil/water) SOIL

Lab Sample ID: M93-06-118-001

Sample wt/vol 30.0 (g/mL) G

Lab File ID: S706B04

Level: (low/med) LOW

Date Received:

% Solid: not dec. 100.0

Date Extracted: 6/30/93

Extraction: (SepF/Cont/Sonc) SONC

Date Analyzed: 7/07/93

GPC Cleanup: (Y/N) N

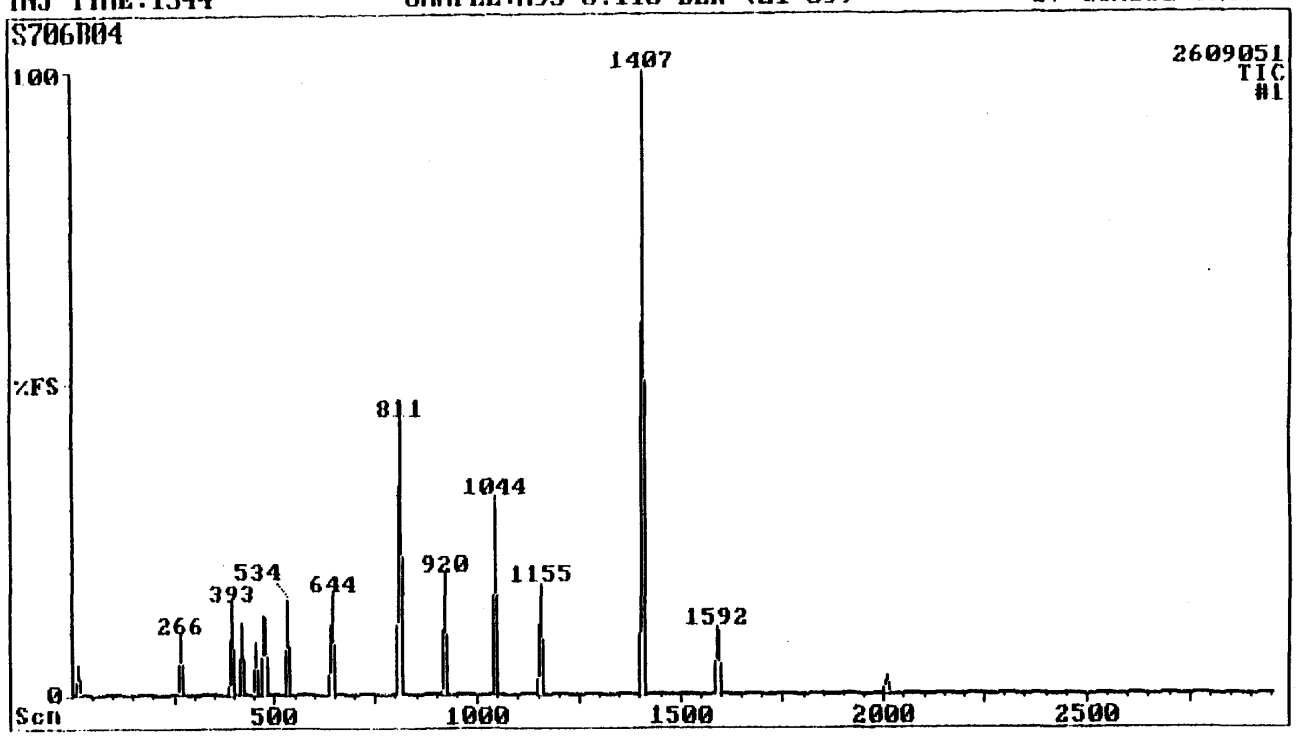
Dilution Factor: 1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (mg/L or mg/Kg) MG/KG	Q
91-20-3	Naphthalene	0.330	U
208-96-8	Acenaphthylene	0.330	U
83-32-9	Acenaphthene	0.330	U
86-73-7	Fluorene	0.330	U
85-01-8	Phenanthrene	0.330	U
120-12-7	Anthracene	0.330	U
206-44-0	Fluoranthene	0.330	U
129-00-0	Pyrene	0.330	U
56-55-3	Benzo(a)anthracene	0.330	U
218-01-9	Chrysene	0.330	U
205-99-2	Benzo(b)fluoranthene	0.330	U
207-08-9	Benzo(k)fluoranthene	0.330	U
50-32-8	Benzo(a)pyrene	0.330	U
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U
53-70-3	Dibenz(a,h)anthracene	0.330	U
191-24-2	Benzo(g,h,i)perylene	0.330	U

LAB BLANK 2

INJ DATE:07/07/93 FILE:S706B04

INJ TIME:1544 SAMPLE:M93-6.118-BLK (21-39) SV-GCMS#1-TRIO-2



000287

010995

010995

Quantitation Results

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Date : 07/07/93

Time : 1544

Datafile : S706B04

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	42.603
PHENOL-d6	40.503
PHENOL	0.000
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	0.000
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	0.000
BENZYL ALCOHOL	0.204
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	0.000
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	41.220
NITROBENZENE	0.000
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.000
1,2,4-TRICHLOROBENZENE	0.000
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	0.000
2-METHYLNAPHTHALENE	0.000
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	51.062
2,4,6-TRIBROMOPHENOL	46.311
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	0.000
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	0.000
DIBENZOFURAN	0.000
2,4-DINITROTOLUENE	0.000
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.000
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

010996

[illegible]	[illegible]
PHENANTHRENE	0.000
ANTHRACENE	0.000
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.000
CHRYSENE-D12	20.000
PYRENE	0.000
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.021
CHRYSENE	0.021
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

010997

Datafile : S706B04

010998

Internal Standard Area Summary

OMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	70404	151520
NAPHTHALENE-D8	202960	381944	811840
ACENAPHTHENE-D10	125016	232844	500064
PHENANTHRENE-D10	200256	348964	801024
CHRYSENE-D12	269936	318268	1079744
PERYLENE-D12	99438	209404	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.84
NAPHTHALENE-D8	13.98	14.06
ACENAPHTHENE-D10	18.65	18.72
PHENANTHRENE-D10	22.64	22.68
CHRYSENE-D12	30.05	30.05
PERYLENE-D12	37.04	37.05

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	43	42.6	(25-121)	bb	172544
PHENOL-d6	41	bb	277512		
NITROBENZENE-D5	41	41.2	(23-120)	bb	292956
2-FLUOROBIPHENYL	51	51.1	(30-115)	bb	721720
2,4,6-TRIBROMOPHENOL	46	46.3	(19-122)	bb	74876

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

Raw Datafile : S706B04 Quan DB : S706B04
Find DB : 8270A Scan DB : S706B04

010999

No.	Spectrum MAT	Scan FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	85	89	2	70404	bb	453	451	152	1,4-DICHLOROBENZENE-D4
2	100	96	98	0	172544	bb	266	266	112	2-FLUOROPHENOL
3	86	73	76	-1	277512	bb	393	394	99	PHENOL-d6
4	*** No Trace Found ***							396	94	PHENOL
5	*** No Trace Found ***							413	93	BIS(2-CHLOROETHYL)ETHER
6	*** No Trace Found ***							422	128	2-CHLOROPHENOL
7	*** No Trace Found ***							445	146	1,3-DICHLOROBENZENE
8	*** No Trace Found ***							456	146	1,4-DICHLOROBENZENE
9	17	10	31	3	856	bb	475	472	108	BENZYL ALCOHOL
10	*** No Trace Found ***							479	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							486	108	2-METHYLPHENOL
12	*** No Trace Found ***							496	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							509	108	4-METHYLPHENOL
14	*** No Trace Found ***							513	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***							529	117	HEXACHLOROETHANE
16	100	90	95	0	381944	bb	644	644	136	NAPHTHALENE-D8
17	50	47	48	2	292956	bb	534	532	82	NITROBENZENE-D5
18	*** No Trace Found ***							536	77	NITROBENZENE
19	*** No Trace Found ***							572	82	ISOPHORONE
20	*** No Trace Found ***							584	139	2-NITROPHENOL
21	*** No Trace Found ***							588	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							603	122	BENZOIC ACID
23	*** No Trace Found ***							603	93	BIS(2-CHLOROETHOXY)METHANE
24	*** No Trace Found ***							619	162	2,4-DICHLOROPHENOL
25	*** No Trace Found ***							634	180	1,2,4-TRICHLOROBENZENE
26	*** No Trace Found ***							647	128	NAPHTHALENE
27	*** No Trace Found ***							653	127	4-CHLOROANILINE
28	*** No Trace Found ***							665	225	HEXACHLOROBUTADIENE
29	*** No Trace Found ***							726	107	4-CHLORO-3-METHYLPHENOL
30	*** No Trace Found ***							755	142	2-METHYLNAPHTHALENE
31	100	94	98	-1	232844	bb	920	921	164	ACENAPHTHENE-D10
32	100	89	99	1	721720	bb	811	810	172	2-FLUOROBIPHENYL
33	81	77	94	3	74876	bb	1044	1041	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							778	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							797	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							802	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							831	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							846	65	2-NITROANILINE
39	*** No Trace Found ***							874	163	DIMETHYLPHTHALATE
40	*** No Trace Found ***							898	152	ACENAPHTHYLENE
41	*** No Trace Found ***							884	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							911	138	3-NITROANILINE
43	*** No Trace Found ***							925	153	ACENAPHTHENE
44	*** No Trace Found ***							927	184	2,4-DINITROPHENOL
45	*** No Trace Found ***							933	109	4-NITROPHENOL
46	*** No Trace Found ***							953	168	DIBENZOFURAN
47	*** No Trace Found ***							948	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***							985	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1005	204	4-CHLOROPHENYL-PHENYL ETHE
50	*** No Trace Found ***							1007	166	FLUORENE
51	*** No Trace Found ***							1009	138	4-NITROANILINE
52	100	89	97	-3	348964	bb	1155	1158	188	PHENANTHRENE-D10
53	*** No Trace Found ***					*		1011	198	4,6-DINITRO-2-METHYLPHENOL
54	*** No Trace Found ***							1022	169	N-NITROSODIPHENYLAMINE

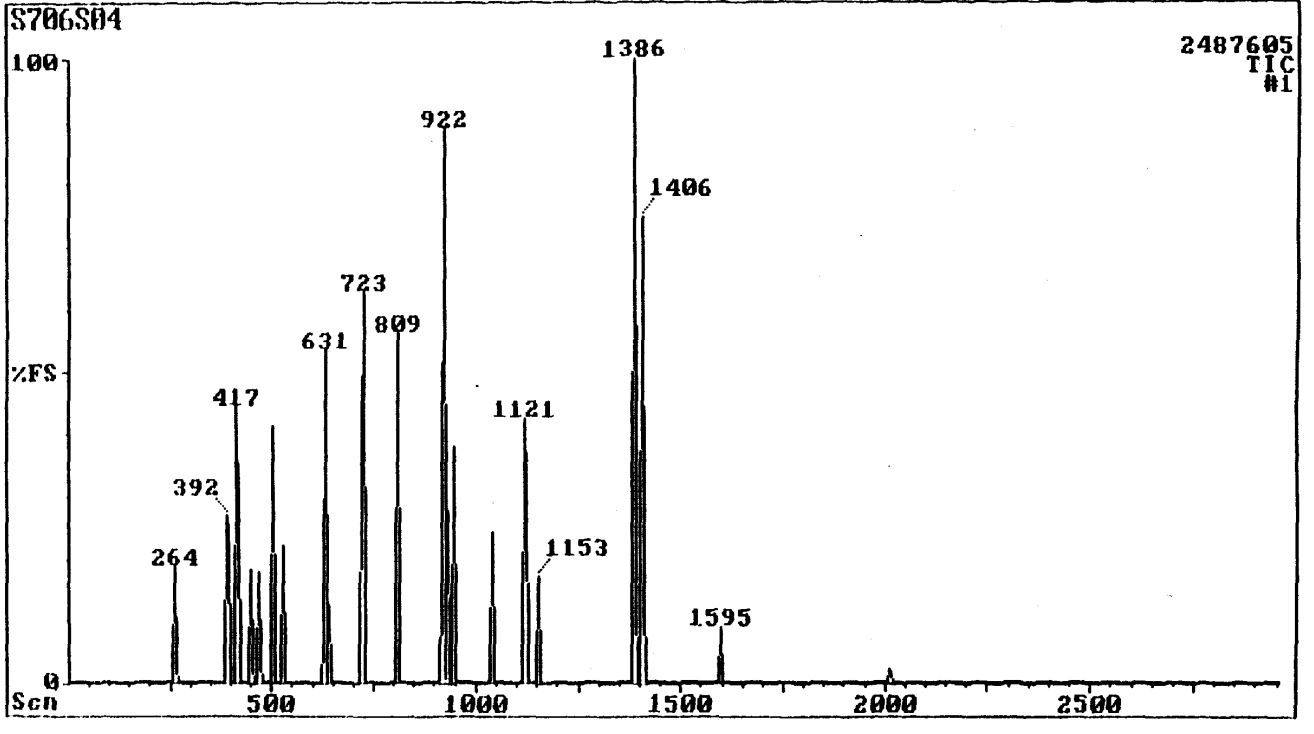
000291

56	*** No Trace Found ***								1093	284	HEXACHLOROBENZENE
57	*** No Trace Found ***								1122	266	PENTACHLOROPHENOL
58	*** No Trace Found ***								1159	178	PHENANTHRENE
59	*** No Trace Found ***								1168	178	ANTHRACENE
60	*** No Trace Found ***								1191	167	CARBAZOLE
61	*** No Trace Found ***								1241	149	DI-N-BUTYLPHTHALATE
62	*** No Trace Found ***								1349	202	FLUORANTHENE
63	86	76	88	-8	318268	bb	1592		1600	240	CHRYSENE-D12
64	*** No Trace Found ***								1384	202	PYRENE
65	*** No Trace Found ***								1479	149	BUTYLBENZYLPHTHALATE
66	*** No Trace Found ***								1580	252	3,3'-DICHLOROBENZIDINE
67	14	1	25	2	380	bb	1592		1590	228	BENZO(A)ANTHRACENE
68	2	2	4	-7	380	bb	1592		1599	228	CHRYSENE
69	*** No Trace Found ***								1583	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	75	83	88	-15	209404	bv	2007		2022	264	PERYLENE-D12
71	*** No Trace Found ***								1742	149	DI-N-OCTYLPHTHALATE
72	*** No Trace Found ***								1871	252	BENZO(B)FLUORANTHENE
73	*** No Trace Found ***								1882	252	BENZO(K)FLUORANTHENE
74	*** No Trace Found ***								1988	252	BENZO(A)PYRENE
75	*** No Trace Found ***								2531	276	INDENO(1,2,3-CD)PYRENE
76	*** No Trace Found ***								2550	278	DIBENZ(A,H)ANTHRACENE
77	*** No Trace Found ***								2697	276	BENZO(G,H,I)PERYLENE

011000

INJ DATE:07/06/93 FILE:S706S04

INJ TIME:1909 SAMPLE:M93-6.118-LCS (1-20) #/ SV-GCMS#1-TRIO-2



000293

011001

011001

Quantitation Results

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Date : 07/06/93

Time : 1909

Datafile : S706S04

011002

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	140.632
PHENOL-d6	101.855
PHENOL	77.392
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	138.518
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	62.019
BENZYL ALCOHOL	0.290
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	108.798
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	76.606
NITROBENZENE	0.126
ISOPHORONE	0.000
2-NITROPHENOL	0.000
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.116
1,2,4-TRICHLOROBENZENE	113.593
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	100.491
2-METHYLNAPHTHALENE	~~28.867~~ NS FBB 7/7/93
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	65.389
2,4,6-TRIBROMOPHENOL	58.591
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.000
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	72.803
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	91.476
DIBENZOFURAN	0.000
2,4-DINITROTOLUENE	84.557
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.000
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000
4-BROMOPHENYL-PHENYL ETHER	0.000
HEXACHLOROBENZENE	0.000

000294

PENTACHLOROPHENOL	98.975
PHENANTHRENE	0.000
ANTHRACENE	0.000
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.000
CHRYSENE-D12	20.000
PYRENE	155.249
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.000
CHRYSENE	0.000
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

011003

Datafile : S706S04

011004

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	14938	46228	59752
NAPHTHALENE-D8	84586	280240	338344
ACENAPHTHENE-D10	63038	188740	252152
PHENANTHRENE-D10	112210	325704	448840
CHRYSENE-D12	175220	242460	700880
PERYLENE-D12	56884	147512	227536

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.74	10.74
NAPHTHALENE-D8	13.97	13.98
ACENAPHTHENE-D10	18.61	18.64
PHENANTHRENE-D10	22.58	22.61
CHRYSENE-D12	30.01	30.06
PERYLENE-D12	36.97	37.08

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	141	140.6	(25-121)	bb	320140
PHENOL-d6	102	bb	504836		
NITROBENZENE-D5	77	76.6	(23-120)	bb	438612
2-FLUOROBIPHENYL	65	65.4	(30-115)	bb	985920
2,4,6-TRIBROMOPHENOL	59	58.6	(19-122)	bb	78336

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

Interim Report LAB-BASE FIND 07/07/93 0901

Raw Datafile : S706S04 Quan DB : S706S04
Find DB : 8270A Scan DB : S706S04

011005

No.	Spectrum MAT	Scan FOR	Scan REV	Scan Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	100	91	93	-3	46228	bb	448	451	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	0	320140	bb	263	263	112	2-FLUOROPHENOL
3	100	89	94	0	504836	bb	390	390	99	PHENOL-d6
4	100	95	99	0	484512	bb	392	392	94	PHENOL
5	*** No Trace Found ***					*		409	93	BIS(2-CHLOROETHYL)ETHER
6	98	77	79	0	585752	bb	417	417	128	2-CHLOROPHENOL
7	*** No Trace Found ***							440	146	1,3-DICHLOROBENZENE
8	100	96	98	-1	262460	bb	450	451	146	1,4-DICHLOROBENZENE
9	17	10	31	4	972	bb	471	467	108	BENZYL ALCOHOL
10	*** No Trace Found ***							474	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							480	108	2-METHYLPHENOL
12	*** No Trace Found ***							490	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							503	108	4-METHYLPHENOL
14	100	96	99	-2	441572	bb	505	507	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***					*		524	117	HEXACHLOROETHANE
16	100	91	95	-5	280240	bb	640	645	136	NAPHTHALENE-D8
17	60	48	48	0	438612	bb	529	529	82	NITROBENZENE-D5
18	8	2	14	-4	784	bb	529	533	77	NITROBENZENE
19	*** No Trace Found ***							568	82	ISOPHORONE
20	*** No Trace Found ***							580	139	2-NITROPHENOL
21	*** No Trace Found ***							584	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							600	122	BENZOIC ACID
23	*** No Trace Found ***							600	93	BIS(2-CHLOROETHOXY)METHANE
24	25	22	22	1	572	bb	616	615	162	2,4-DICHLOROPHENOL
25	100	93	96	1	541584	bb	631	630	180	1,2,4-TRICHLOROBENZENE
26	*** No Trace Found ***					*		643	128	NAPHTHALENE
27	*** No Trace Found ***							649	127	4-CHLOROANILINE
28	*** No Trace Found ***							661	225	HEXACHLOROBUTADIENE
29	100	95	99	1	632052	bb	723	722	107	4-CHLORO-3-METHYLPHENOL
30	25	37	47	-27	508252	bb	723	750	142	2-METHYLNAPHTHALENE
31	100	95	98	-6	188740	bb	917	923	164	ACENAPHTHENE-D10
32	100	89	99	1	985920	bb	809	808	172	2-FLUOROBIPHENYL
33	100	79	90	0	78336	bb	1041	1041	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							775	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							794	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							800	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							828	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							843	65	2-NITROANILINE
39	*** No Trace Found ***							871	163	DIMETHYLPHTHALATE
40	*** No Trace Found ***							895	152	ACENAPHTHYLENE
41	*** No Trace Found ***							882	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							908	138	3-NITROANILINE
43	100	92	96	0	1125012	bb	922	922	153	ACENAPHTHENE
44	*** No Trace Found ***					*		924	184	2,4-DINITROPHENOL
45	100	95	98	1	154916	bb	931	930	109	4-NITROPHENOL
46	*** No Trace Found ***					*		950	168	DIBENZOFURAN
47	100	95	99	-1	332644	bb	944	945	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***					*		982	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1002	204	4-CHLOROPHENYL-PHENYL ETHE
50	*** No Trace Found ***							1004	166	FLUORENE
51	*** No Trace Found ***							1006	138	4-NITROANILINE
52	100	90	97	-7	325704	bb	1153	1160	188	PHENANTHRENE-D10
53	*** No Trace Found ***					*		1009	198	4,6-DINITRO-2-METHYLPHENOL
54	*** No Trace Found ***							1020	169	N-NITROSODIPHENYLAMINE

000297

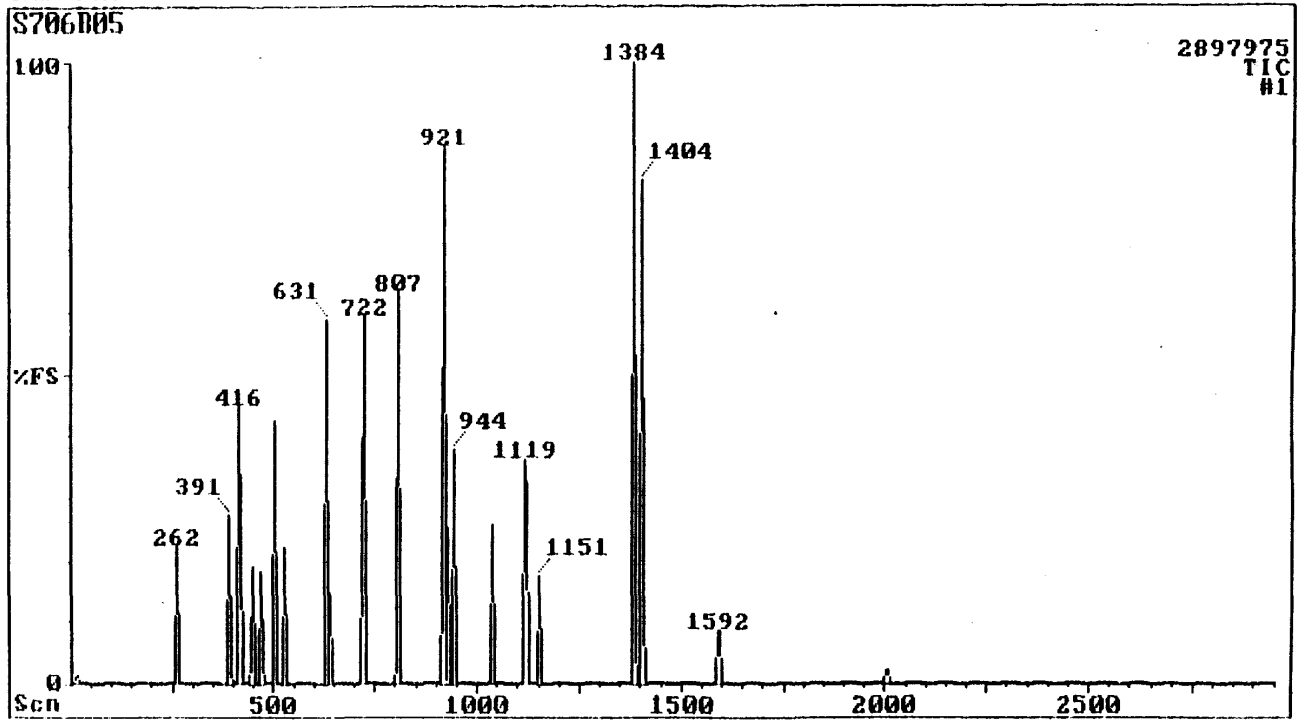
011005

55	*** No Trace Found ***								1079	248	4-BROMOPHENYL-PHENYL ETHER
56	*** No Trace Found ***								1091	284	HEXACHLOROBENZENE
57	100	84	97	1	220608	bb	1121		1120	266	PENTACHLOROPHENOL
58	*** No Trace Found ***								1157	178	PHENANTHRENE
59	*** No Trace Found ***								1166	178	ANTHRACENE
60	*** No Trace Found ***								1188	167	CARBAZOLE
61	*** No Trace Found ***								1239	149	DI-N-BUTYLPHTHALATE
62	*** No Trace Found ***								1347	202	FLUORANTHENE
63	85	76	86	-8	242460	bb	1595		1603	240	CHRYSENE-D12
64	100	92	98	0	2475788	bb	1386		1386	202	PYRENE
65	*** No Trace Found ***							*	1482	149	BUTYLBENZYLPHTHALATE
66	*** No Trace Found ***								1583	252	3,3'-DICHLOROBENZIDINE
67	*** No Trace Found ***								1593	228	BENZO(A)ANTHRACENE
68	*** No Trace Found ***								1602	228	CHRYSENE
69	*** No Trace Found ***								1586	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	79	85	85	-13	147512	bb	2012		2025	264	PERYLENE-D12
71	*** No Trace Found ***								1746	149	DI-N-OCTYLPHTHALATE
72	*** No Trace Found ***								1876	252	BENZO(B)FLUORANTHENE
73	*** No Trace Found ***								1887	252	BENZO(K)FLUORANTHENE
74	*** No Trace Found ***								1993	252	BENZO(A)PYRENE
75	*** No Trace Found ***								2537	276	INDENO(1,2,3-CD)PYRENE
76	*** No Trace Found ***								2556	278	DIBENZ(A,H)ANTHRACENE
77	*** No Trace Found ***								2704	276	BENZO(G,H,I)PERYLENE

011006

INJ DATE:07/07/93 FILE:S706B05

INJ TIME:1645 SAMPLE:M93-6.118-LCS (21-39) #2 SV-GCMS#1-TRIO-2



000299

011007

Quantitation Results

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Date : 07/07/93

Time : 1645

011008

Datafile : S706B05

Compound	Conc
1,4-DICHLOROBENZENE-D4	20.000
2-FLUOROPHENOL	96.898
PHENOL-d6	93.316
PHENOL	80.875
BIS(2-CHLOROETHYL)ETHER	0.000
2-CHLOROPHENOL	133.919
1,3-DICHLOROBENZENE	0.000
1,4-DICHLOROBENZENE	63.433
BENZYL ALCOHOL	0.306
1,2-DICHLOROBENZENE	0.000
2-METHYLPHENOL	0.000
BIS(2-CHLOROISOPROPYL)ETHER	0.000
4-METHYLPHENOL	0.000
N-NITROSO-DI-N-PROPYLAMINE	111.614
HEXACHLOROETHANE	0.000
NAPHTHALENE-D8	20.000
NITROBENZENE-D5	72.521
NITROBENZENE	0.165
ISOPHORONE	0.000
2-NITROPHENOL	0.158
2,4-DIMETHYLPHENOL	0.000
BENZOIC ACID	0.000
BIS(2-CHLOROETHOXY)METHANE	0.000
2,4-DICHLOROPHENOL	0.149
1,2,4-TRICHLOROBENZENE	147.373
NAPHTHALENE	0.000
4-CHLOROANILINE	0.000
HEXACHLOROBUTADIENE	0.000
4-CHLORO-3-METHYLPHENOL	108.247
2-METHYLNAPHTHALENE	~~27.454~~ ND F88 7/8/93
ACENAPHTHENE-D10	20.000
2-FLUOROBIPHENYL	83.934
2,4,6-TRIBROMOPHENOL	17.025
HEXACHLOROCYCLOPENTADIENE	0.000
2,4,6-TRICHLOROPHENOL	0.000
2,4,5-TRICHLOROPHENOL	0.000
2-CHLORONAPHTHALENE	0.000
2-NITROANILINE	0.000
DIMETHYLPHTHALATE	0.000
ACENAPHTHYLENE	0.021
2,6-DINITROTOLUENE	0.000
3-NITROANILINE	0.000
ACENAPHTHENE	90.420
2,4-DINITROPHENOL	0.000
4-NITROPHENOL	81.831
DIBENZOFURAN	0.000
2,4-DINITROTOLUENE	89.095
DIETHYLPHTHALATE	0.000
4-CHLOROPHENYL-PHENYL ETHER	0.000
FLUORENE	0.000
4-NITROANILINE	0.000
PHENANTHRENE-D10	20.000
4,6-DINITRO-2-METHYLPHENOL	0.000
N-NITROSODIPHENYLAMINE	0.000

000300

HEXACHLOROBENZENE	0.000
PENTACHLOROPHENOL	100.373
PHENANTHRENE	0.000
ANTHRACENE	0.000
CARBAZOLE	0.000
DI-N-BUTYLPHTHALATE	0.000
FLUORANTHENE	0.000
CHRYSENE-D12	20.000
PYRENE	149.305
BUTYLBENZYLPHTHALATE	0.000
3,3'-DICHLOROBENZIDINE	0.000
BENZO(A)ANTHRACENE	0.000
CHRYSENE	0.000
BIS(2-ETHYLHEXYL)PHTHALATE	0.000
PERYLENE-D12	20.000
DI-N-OCTYLPHTHALATE	0.000
BENZO(B)FLUORANTHENE	0.000
BENZO(K)FLUORANTHENE	0.000
BENZO(A)PYRENE	0.000
INDENO(1,2,3-CD)PYRENE	0.000
DIBENZ(A,H)ANTHRACENE	0.000
BENZO(G,H,I)PERYLENE	0.000

011009

Datafile : S706B05

011010

Internal Standard Area Summary

COMPOUND	CCAL MIN AREA	IS AREA	CCAL MAX AREA
1,4-DICHLOROBENZENE-D4	37880	66152	151520
NAPHTHALENE-D8	202960	379392	811840
ACENAPHTHENE-D10	125016	232320	500064
PHENANTHRENE-D10	200256	399696	801024
CHRYSENE-D12	269936	307828	1079744
PERYLENE-D12	99438	184492	397752

Internal Standard Retention Time Summary

COMPOUND	CCAL RT	IS RT
1,4-DICHLOROBENZENE-D4	10.75	10.74
NAPHTHALENE-D8	13.98	14.00
ACENAPHTHENE-D10	18.65	18.65
PHENANTHRENE-D10	22.64	22.61
CHRYSENE-D12	30.05	30.05
PERYLENE-D12	37.04	37.03

Surrogate Recoveries

COMPOUND	CONC	% REC	LIMITS	FLAGS	AREA
2-FLUOROPHENOL	97	96.9	(25-121)	bb	368744
PHENOL-d6	93	bb	600752		
NITROBENZENE-D5	73	72.5	(23-120)	bb	511968
2-FLUOROBIPHENYL	84	83.9	(30-115)	bb	1183664
2,4,6-TRIBROMOPHENOL	17	17.0	(19-122)	bb	27464

Acid Surrogate Added 100

Base Neutral Surrogate Added 100

011011

ıw Datafile : S706B05 Quan DB : S706B05
nd DB : 8270A Scan DB : S706B05

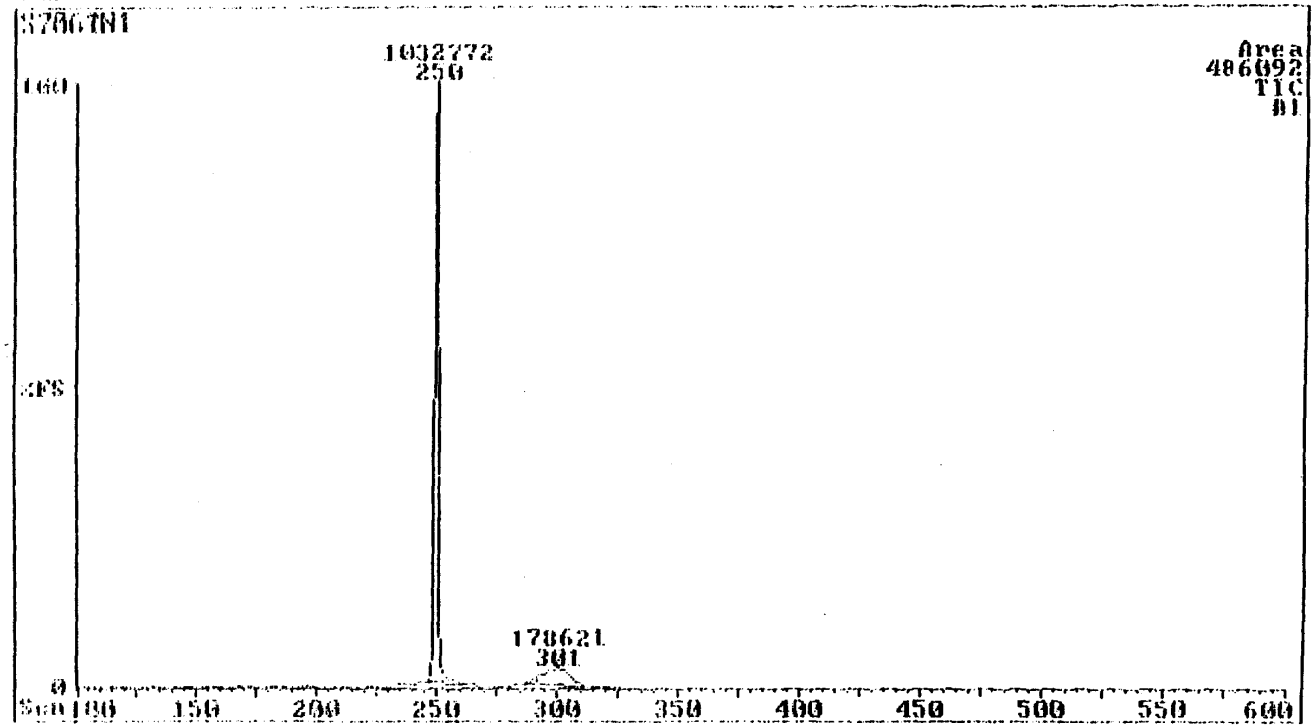
No.	MAT	Spectrum FOR	Scan REV	Diff	Peak Area	Flgs	Scan Found	Pred	QM	Compound Name
1	97	90	93	-4	66152	bb	447	451	152	1,4-DICHLOROBENZENE-D4
2	100	95	98	0	368744	bb	262	262	112	2-FLUOROPHENOL
3	100	92	97	0	600752	bb	389	389	99	PHENOL-d6
4	100	89	97	0	557760	bb	391	391	94	PHENOL
5	*** No Trace Found ***					*		408	93	BIS(2-CHLOROETHYL)ETHER
6	90	77	79	-1	687872	bb	416	417	128	2-CHLOROPHENOL
7	*** No Trace Found ***							439	146	1,3-DICHLOROBENZENE
8	100	96	99	-1	322984	bb	449	450	146	1,4-DICHLOROBENZENE
9	17	9	31	4	1208	bb	470	466	108	BENZYL ALCOHOL
10	*** No Trace Found ***							473	146	1,2-DICHLOROBENZENE
11	*** No Trace Found ***							479	108	2-METHYLPHENOL
12	*** No Trace Found ***							489	45	BIS(2-CHLOROISOPROPYL)ETHE
13	*** No Trace Found ***							502	108	4-METHYLPHENOL
14	100	96	99	-2	540356	bb	504	506	70	N-NITROSO-DI-N-PROPYLAMINE
15	*** No Trace Found ***					*		523	117	HEXACHLOROETHANE
16	100	90	95	-4	379392	bb	640	644	136	NAPHTHALENE-D8
17	56	48	49	-1	511968	bb	528	529	82	NITROBENZENE-D5
18	8	2	17	-4	1148	bb	529	533	77	NITROBENZENE
19	*** No Trace Found ***							568	82	ISOPHORONE
20	26	21	21	0	480	bb	580	580	139	2-NITROPHENOL
21	*** No Trace Found ***							584	107	2,4-DIMETHYLPHENOL
22	*** No Trace Found ***							600	122	BENZOIC ACID
23	*** No Trace Found ***							600	93	BIS(2-CHLOROETHOXY)METHANE
24	56	49	49	1	752	bb	616	615	162	2,4-DICHLOROPHENOL
25	100	93	96	1	669232	bb	631	630	180	1,2,4-TRICHLOROBENZENE
26	*** No Trace Found ***					*		643	128	NAPHTHALENE
27	*** No Trace Found ***							649	127	4-CHLOROANILINE
28	*** No Trace Found ***							661	225	HEXACHLOROBUTADIENE
29	100	95	99	0	696076	bb	722	722	107	4-CHLORO-3-METHYLPHENOL
30	24	38	48	-28	566328	bb	722	750	142	2-METHYLNAPHTHALENE
31	100	95	98	-5	232320	bb	916	921	164	ACENAPHTHENE-D10
32	100	90	99	0	1183664	bb	807	807	172	2-FLUOROBIPHENYL
33	72	68	84	-3	27464	bb	1038	1041	330	2,4,6-TRIBROMOPHENOL
34	*** No Trace Found ***							774	237	HEXACHLOROCYCLOPENTADIENE
35	*** No Trace Found ***							793	196	2,4,6-TRICHLOROPHENOL
36	*** No Trace Found ***							799	196	2,4,5-TRICHLOROPHENOL
37	*** No Trace Found ***							827	162	2-CHLORONAPHTHALENE
38	*** No Trace Found ***							842	65	2-NITROANILINE
39	*** No Trace Found ***							870	163	DIMETHYLPHTHALATE
40	61	53	53	-1	532	bb	893	894	152	ACENAPHTHYLENE
41	*** No Trace Found ***							881	165	2,6-DINITROTOLUENE
42	*** No Trace Found ***							907	138	3-NITROANILINE
43	100	93	96	0	1384952	bb	921	921	153	ACENAPHTHENE
44	*** No Trace Found ***					*		923	184	2,4-DINITROPHENOL
45	100	95	98	1	165040	bv	930	929	109	4-NITROPHENOL
46	*** No Trace Found ***					*		949	168	DIBENZOFURAN
47	100	95	99	0	365220	bb	944	944	165	2,4-DINITROTOLUENE
48	*** No Trace Found ***					*		981	149	DIETHYLPHTHALATE
49	*** No Trace Found ***							1001	204	4-CHLOROPHENYL-PHENYL ETHE
50	*** No Trace Found ***							1003	166	FLUORENE
51	*** No Trace Found ***							1005	138	4-NITROANILINE
52	100	90	97	-7	399696	bb	1151	1158	188	PHENANTHRENE-D10

54	*** No Trace Found ***								1018	169	N-NITROSODIPHENYLAMINE
55	*** No Trace Found ***								1077	248	4-BROMOPHENYL-PHENYL ETHE
56	*** No Trace Found ***								1089	284	HEXACHLOROBENZENE
57	100	84	97	0	240404	bb	1119		1119	266	PENTACHLOROPHENOL
58	*** No Trace Found ***								1155	178	PHENANTHRENE
59	*** No Trace Found ***								1164	178	ANTHRACENE
60	*** No Trace Found ***								1186	167	CARBAZOLE
61	*** No Trace Found ***								1237	149	DI-N-BUTYLPHTHALATE
62	*** No Trace Found ***								1345	202	FLUORANTHENE
63	86	77	86	-8	307828	bb	1592		1600	240	CHRYSENE-D12
64	100	92	99	0	2804820	bb	1384		1384	202	PYRENE
65	*** No Trace Found ***							*	1479	149	BUTYLBENZYLPHTHALATE
66	*** No Trace Found ***								1580	252	3,3'-DICHLOROBENZIDINE
67	*** No Trace Found ***								1590	228	BENZO(A)ANTHRACENE
68	*** No Trace Found ***								1599	228	CHRYSENE
69	*** No Trace Found ***								1583	149	BIS(2-ETHYLHEXYL)PHTHALATE
70	75	87	88	-16	184492	bv	2006		2022	264	PERYLENE-D12
71	*** No Trace Found ***								1741	149	DI-N-OCTYLPHTHALATE
72	*** No Trace Found ***								1871	252	BENZO(B)FLUORANTHENE
73	*** No Trace Found ***								1882	252	BENZO(K)FLUORANTHENE
74	*** No Trace Found ***								1987	252	BENZO(A)PYRENE
75	*** No Trace Found ***								2530	276	INDENO(1,2,3-CD)PYRENE
76	*** No Trace Found ***								2549	278	DIBENZ(A,H)ANTHRACENE
77	*** No Trace Found ***								2696	276	BENZO(G,H,I)PERYLENE

011012

INJ DATE:07/06/93 FILE:S7061N1

INJ TIME:1032 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



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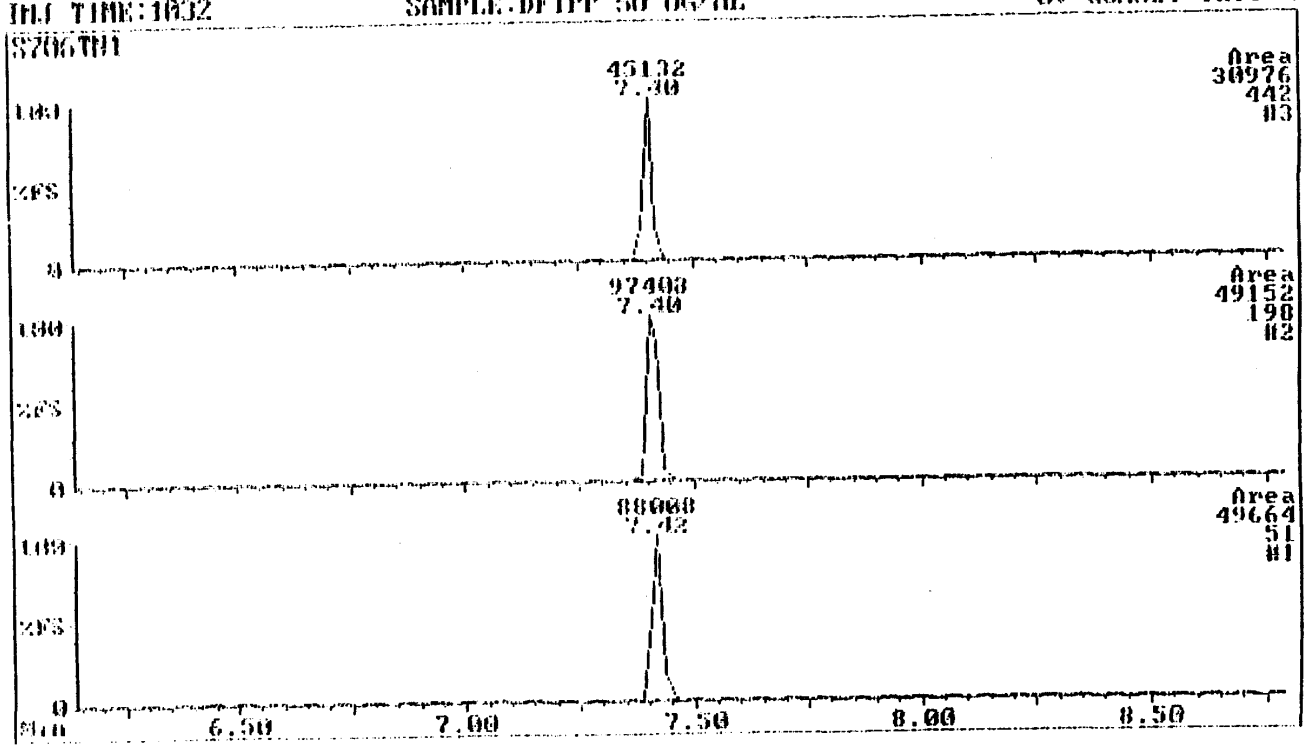
011013

011013

INJ DATE:07/06/93
INJ TIME:1032

FILE:S706TM1
SAMPLE:DFTPP 50 UG/ML

SV-GCMS#1-TRIO-2



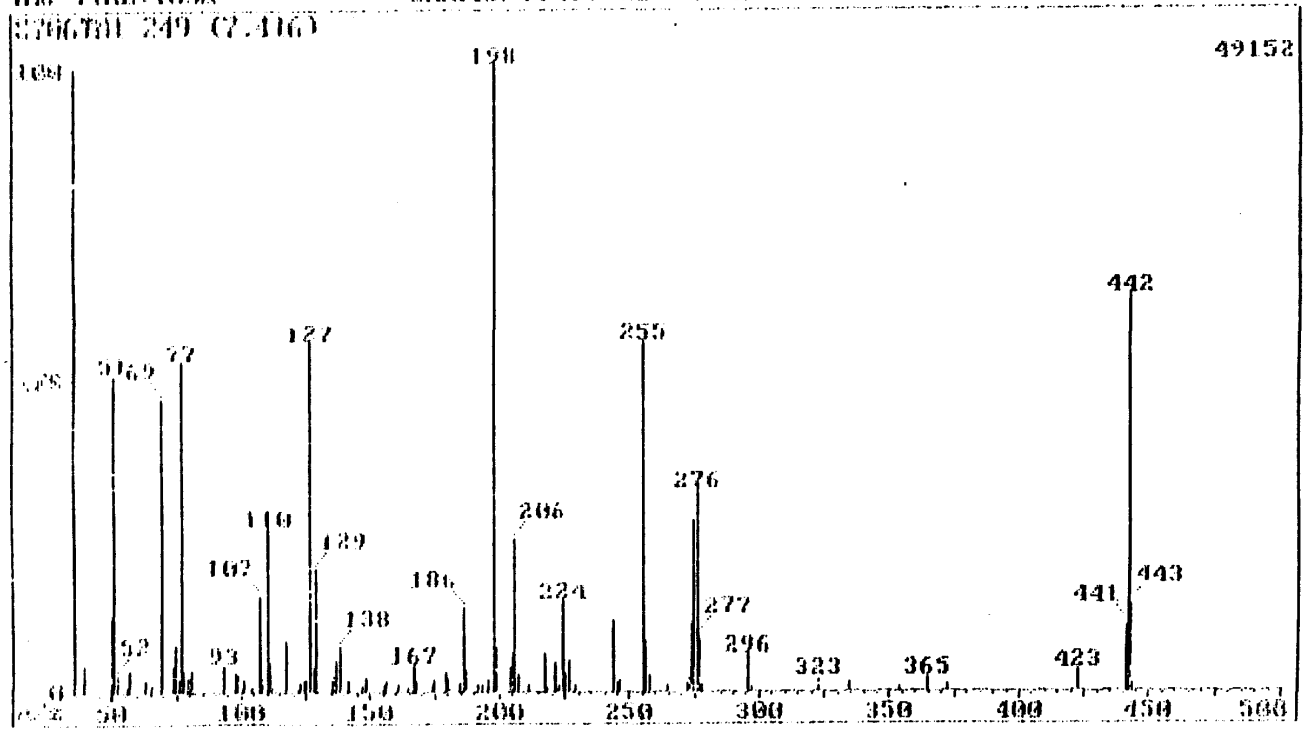
DFTPP TUNE CHECK REPORT

M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	50.53	PASS
68	Less than 2.0% of mass 69	0.00(0.0)1	PASS
69	Mass 69 relative abundance	46.88	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	55.73	PASS
197	Less than 1% of mass 198	0.20	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	7.33	PASS
275	10 - 30% of mass 198	27.09	PASS
365	greater than 1% of mass 198	2.25	PASS
441	Present, but less then mass 443	10.53	PASS
442	Greater than 40% of mass 198	63.02	PASS
443	17 - 23% of mass 442	13.54(21.5)2	PASS

011015

000307

INJ DATE:07/06/93 FILE:S706TM1
INJ TIME:1032 SAMPLE:DFTPP 50 NG/ML SV-GCMS#1-TRIO-2
S706TM1 249 (7.416)



011016

011017

8706TN1 249 (7.416) 49152

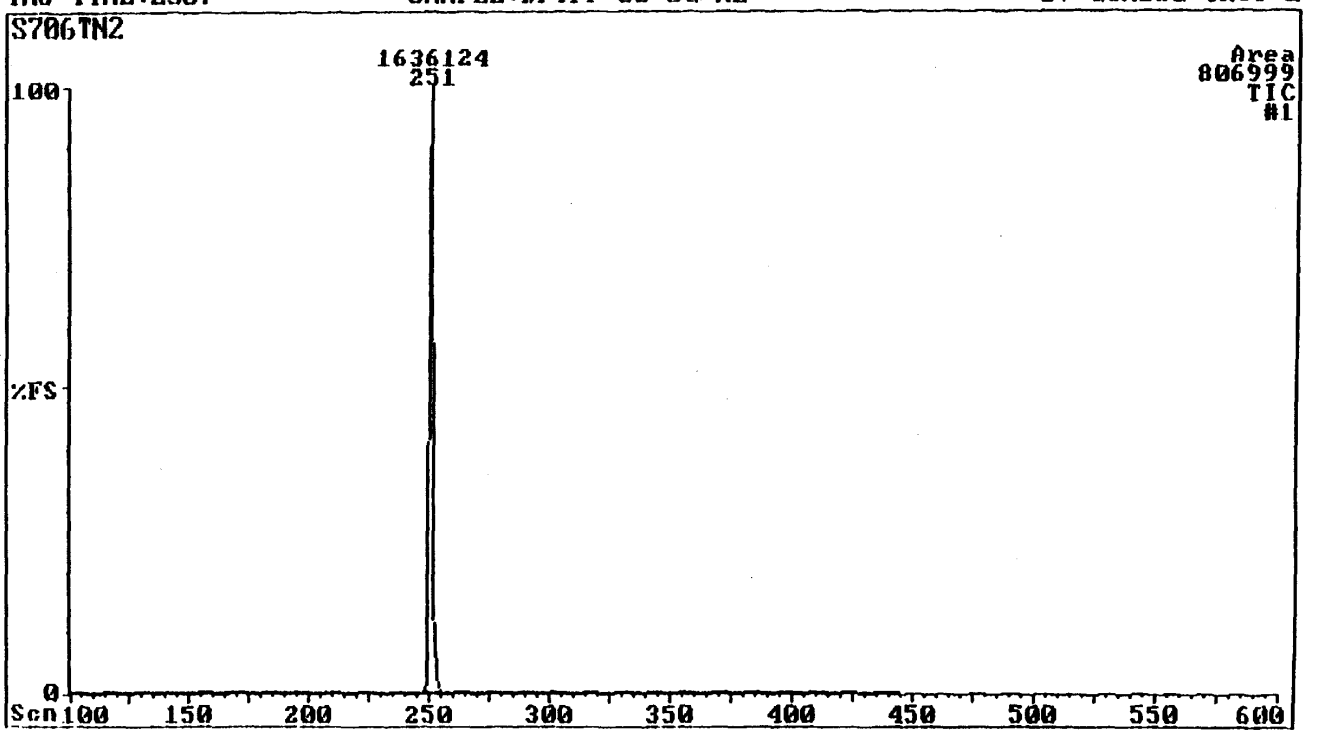
Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
	39	2240	4.56	22	101	936	1.98	43	141	944	1.92	64	198	49152	100.00	85	258	1312	2.67
2	50	6020	12.37	23	104	424	0.86	44	142	420	0.81	65	199	3712	7.55	86	265	484	0.98
3	51	24832	50.52	24	105	468	0.95	45	147	556	1.13	66	204	1824	3.71	87	272	844	1.72
4	52	1280	2.60	25	107	7424	15.10	46	148	1088	2.21	67	205	2992	6.09	88	273	1408	2.86
5	56	600	1.22	26	108	1152	2.34	47	155	624	1.27	68	206	11840	24.09	89	274	5376	10.94
6	57	1712	3.48	27	110	12864	26.17	48	156	880	1.79	69	207	1696	3.45	90	275	13312	27.08
7	63	1008	2.05	28	111	2272	4.62	49	161	508	1.03	70	211	504	1.03	91	276	15872	32.29
8	65	480	0.98	29	112	496	1.01	50	165	372	0.76	71	217	3120	6.35	92	277	4416	8.98
9	69	23040	46.88	30	117	3952	8.04	51	167	2016	4.10	72	218	440	0.90	93	278	496	1.01
10	74	2176	4.43	31	122	388	0.79	52	168	1040	2.12	73	221	2256	4.59	94	296	2816	5.73
11	75	3616	7.36	32	123	1000	2.03	53	174	512	1.04	74	222	380	0.77	95	297	412	0.84
12	76	1232	2.51	33	124	1168	2.38	54	175	884	1.80	75	223	852	1.73	96	323	1152	2.34
13	77	25856	52.60	34	125	1040	2.12	55	179	1600	3.26	76	224	7168	14.58	97	324	732	1.49
14	78	1984	4.04	35	127	27392	55.73	56	180	1104	2.25	77	225	1696	3.45	98	354	404	0.82
15	79	1072	2.18	36	128	2160	4.39	57	181	516	1.05	78	227	2496	5.08	99	365	1104	2.25
16	80	1088	2.21	37	129	9536	19.40	58	185	804	1.64	79	229	564	1.15	100	372	552	1.12
17	81	1728	3.52	38	130	860	1.75	59	186	6464	13.15	80	244	5568	11.33	101	423	1712	3.48
18	82	428	0.87	39	135	996	2.03	60	187	1920	3.91	81	245	836	1.70	102	441	5184	10.55
19	93	2016	4.10	40	136	1472	2.99	61	192	520	1.06	82	246	1024	2.08	103	442	30976	63.02
20	98	1472	2.99	41	137	2576	5.24	62	193	552	1.12	83	255	27392	55.73	104	443	6656	13.54
21	99	1440	2.93	42	138	3504	7.13	63	196	1000	2.03	84	256	4096	8.33	105	444	616	1.25

000309

011017

INJ DATE:07/06/93 FILE:S706TN2

INJ TIME:2307 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



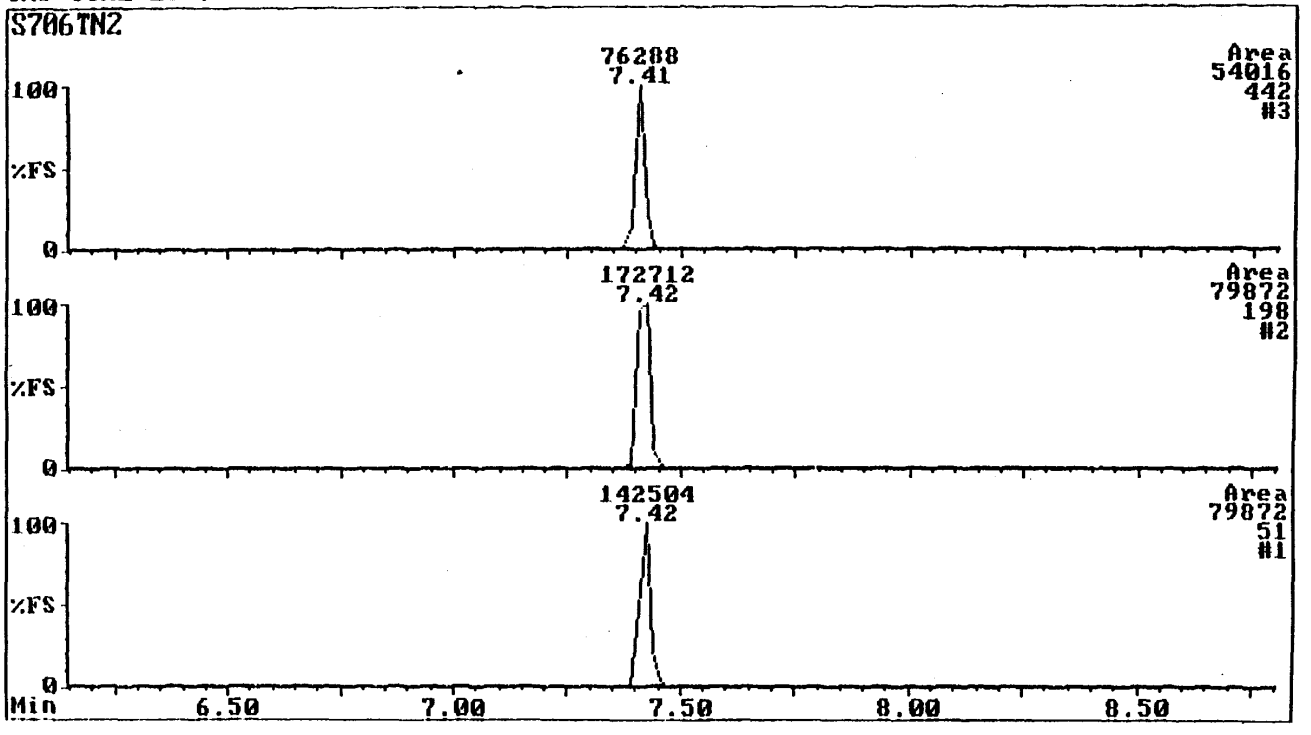
000310

011018

011018

INJ DATE:07/06/93 FILE:S706TN2

INJ TIME:2307 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



000311

011019

011019

DFTPP TUNE CHECK REPORT

011020

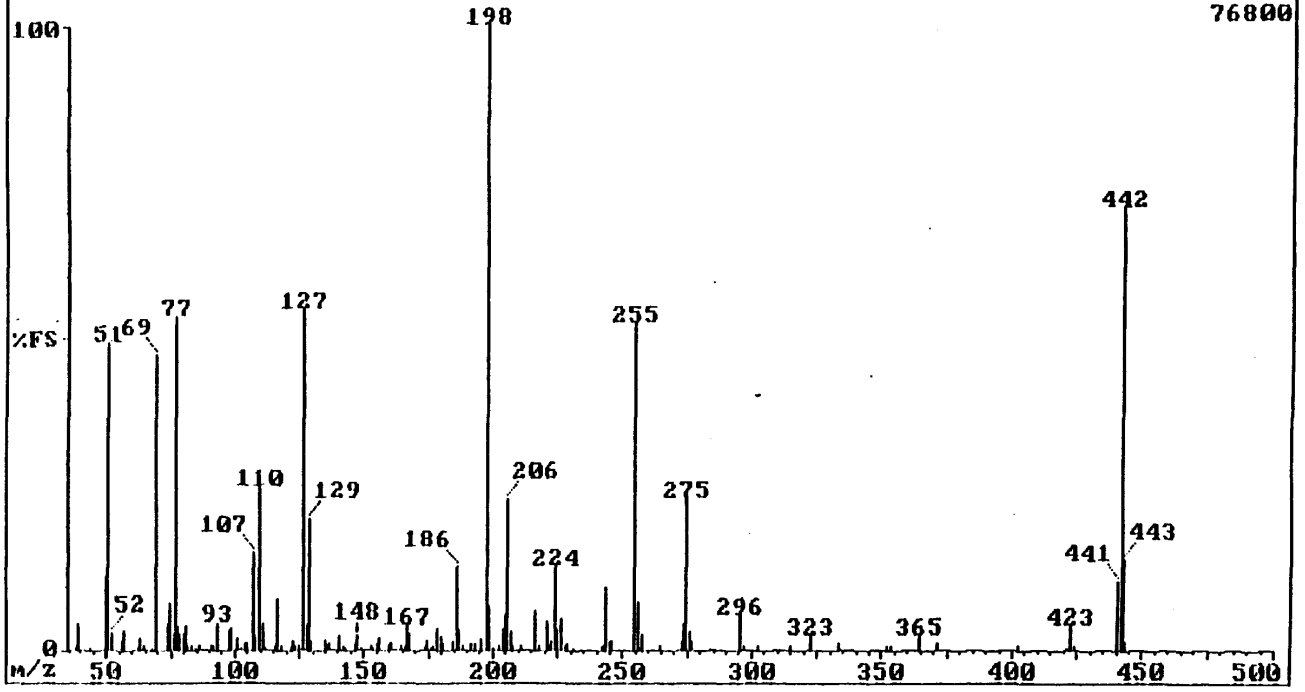
M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
1	30.0 - 60.0% of mass 198	49.00	PASS
68	Less than 2.0% of mass 69	0.55(1.2)1	PASS
69	Mass 69 relative abundance	47.00	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	54.67	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	6.83	PASS
275	10 - 30% of mass 198	24.00	PASS
365	greater than 1% of mass 198	2.35	PASS
441	Present, but less then mass 443	10.75	PASS
442	Greater than 40% of mass 198	70.33	PASS
443	17 - 23% of mass 442	14.42(20.5)2	PASS

000312

INJ DATE:07/06/93 FILE:S706TN2

INJ TIME:2307 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2

S706TN2 250 (7.406)



011021

S7B6TM2 2S8 (7.486) 76800

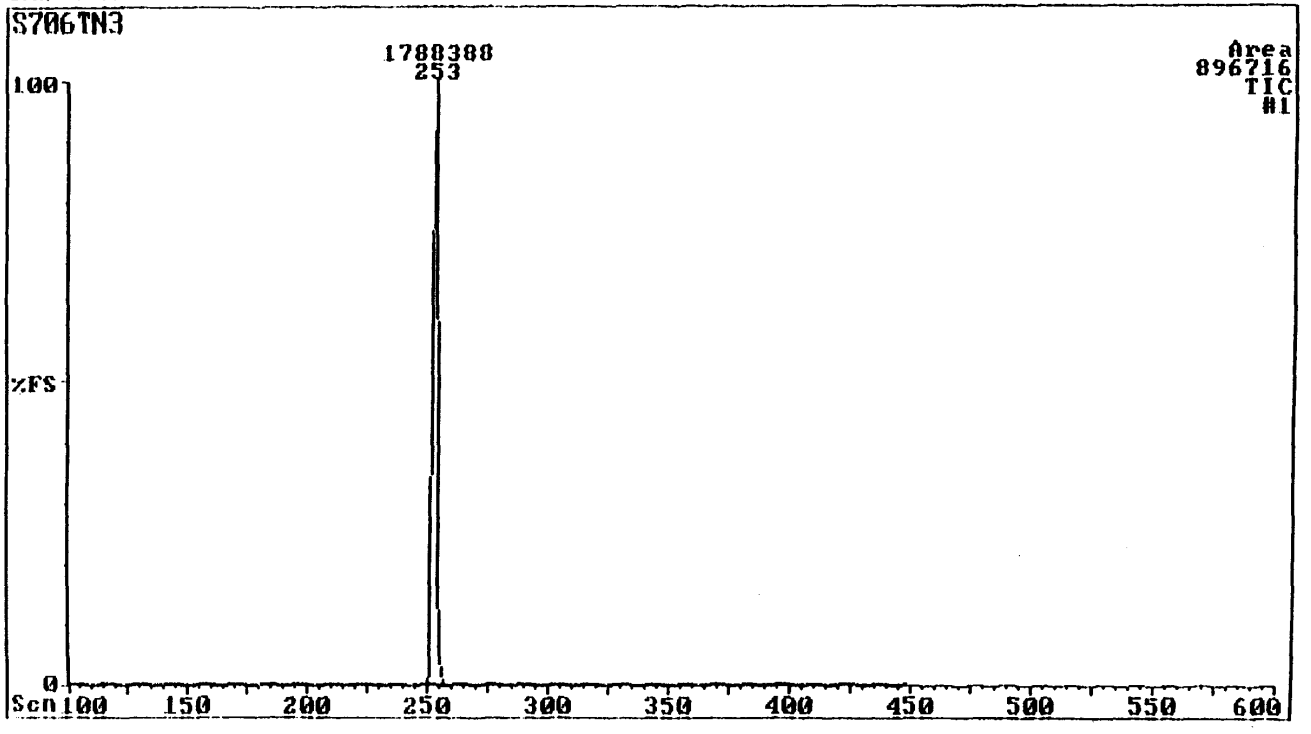
Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
	38	364	0.47	29	98	2256	2.94	57	147	836	1.09	85	199	5248	6.83	113	258	2016	2.63
2	39	3184	4.15	30	99	2800	3.65	58	148	1760	2.29	86	200	416	0.54	114	265	712	0.93
3	44	368	0.48	31	101	1584	2.06	59	149	416	0.54	87	203	468	0.61	115	273	1216	1.58
4	50	8960	11.67	32	103	356	0.46	60	153	456	0.59	88	204	2720	3.54	116	274	3360	4.38
5	51	37632	49.00	33	104	800	1.04	61	154	372	0.48	89	205	4480	5.83	117	275	18432	24.00
6	52	2144	2.79	34	105	800	1.04	62	155	1004	1.31	90	206	18432	24.00	118	276	2304	3.10
7	56	1088	1.42	35	107	12032	15.67	63	156	1504	1.96	91	207	2496	3.25	119	277	1232	1.60
8	57	2528	3.29	36	108	1936	2.52	64	160	464	0.60	92	208	544	0.71	120	296	4288	5.58
9	62	440	0.57	37	110	19968	26.00	65	161	784	1.02	93	211	716	0.93	121	297	596	0.78
10	63	1536	2.00	38	111	3376	4.40	66	165	500	0.65	94	217	4800	6.25	122	303	568	0.74
11	65	704	0.92	39	112	420	0.55	67	166	484	0.63	95	218	556	0.72	123	315	480	0.63
12	68	420	0.55	40	116	508	0.66	68	167	3008	3.92	96	221	3728	4.85	124	323	1680	2.19
13	69	36896	47.00	41	117	6336	8.25	69	168	2176	2.83	97	222	636	0.83	125	334	1024	1.33
14	74	3392	4.42	42	118	572	0.74	70	174	696	0.91	98	223	1072	1.40	126	352	480	0.63
15	75	5824	7.58	43	122	468	0.61	71	175	1296	1.69	99	224	10112	13.17	127	354	504	0.66
16	76	2112	2.75	44	123	1104	1.44	72	176	372	0.48	100	225	2624	3.42	128	365	1800	2.35
17	77	40960	53.33	45	124	484	0.63	73	177	540	0.70	101	227	3792	4.94	129	372	856	1.11
18	78	3072	4.00	46	125	500	0.65	74	179	2560	3.33	102	228	532	0.69	130	403	460	0.60
19	79	1968	2.56	47	127	41984	54.67	75	180	1872	2.44	103	229	836	1.09	131	421	380	0.49
20	80	1952	2.54	48	128	3424	4.46	76	181	932	1.21	104	231	436	0.57	132	422	352	0.46
21	81	2944	3.83	49	129	16192	21.08	77	185	1168	1.52	105	242	468	0.61	133	423	2992	3.90
22	82	716	0.93	50	130	1328	1.73	78	186	10048	13.08	106	243	512	0.67	134	424	612	0.80
23	83	708	0.92	51	135	1200	1.56	79	187	2704	3.52	107	244	7800	10.17	135	441	8256	10.75
24	85	372	0.48	52	136	456	0.59	80	189	452	0.59	108	245	1056	1.38	136	442	54016	70.33
25	86	596	0.78	53	137	748	0.97	81	192	800	1.04	109	246	1312	1.71	137	443	11072	14.42
26	91	496	0.65	54	141	1680	2.19	82	193	896	1.17	110	255	39936	52.00	138	444	1088	1.42
	92	612	0.80	55	142	548	0.71	83	196	1616	2.10	111	256	5952	7.75				
	93	3408	4.44	56	143	416	0.54	84	198	76800	100.00	112	257	416	0.54				

011022

000314

INJ DATE:07/07/93 FILE:S706TN3

INJ TIME:1123 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



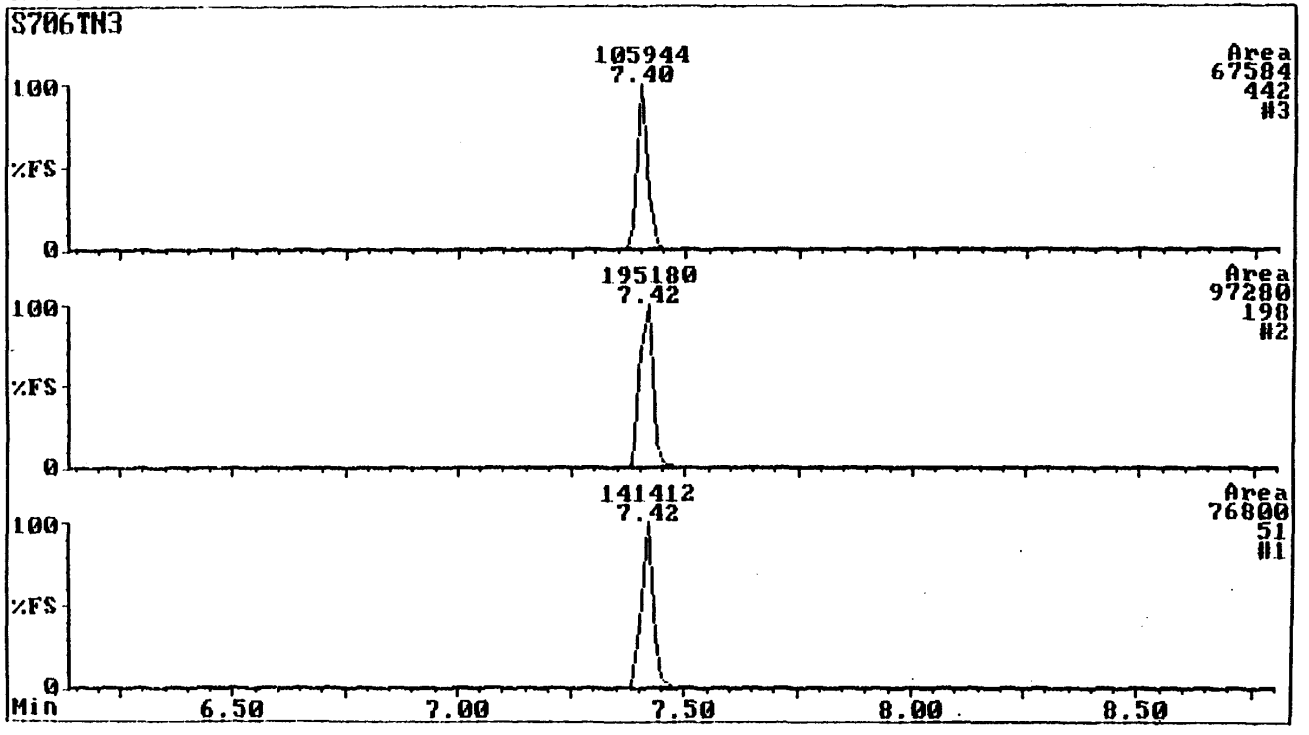
000315

011023

011023

INJ DATE:07/07/93 FILE:S706TN3

INJ TIME:1123 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



000316

011024

011024

DFTPP TUNE CHECK REPORT

011025

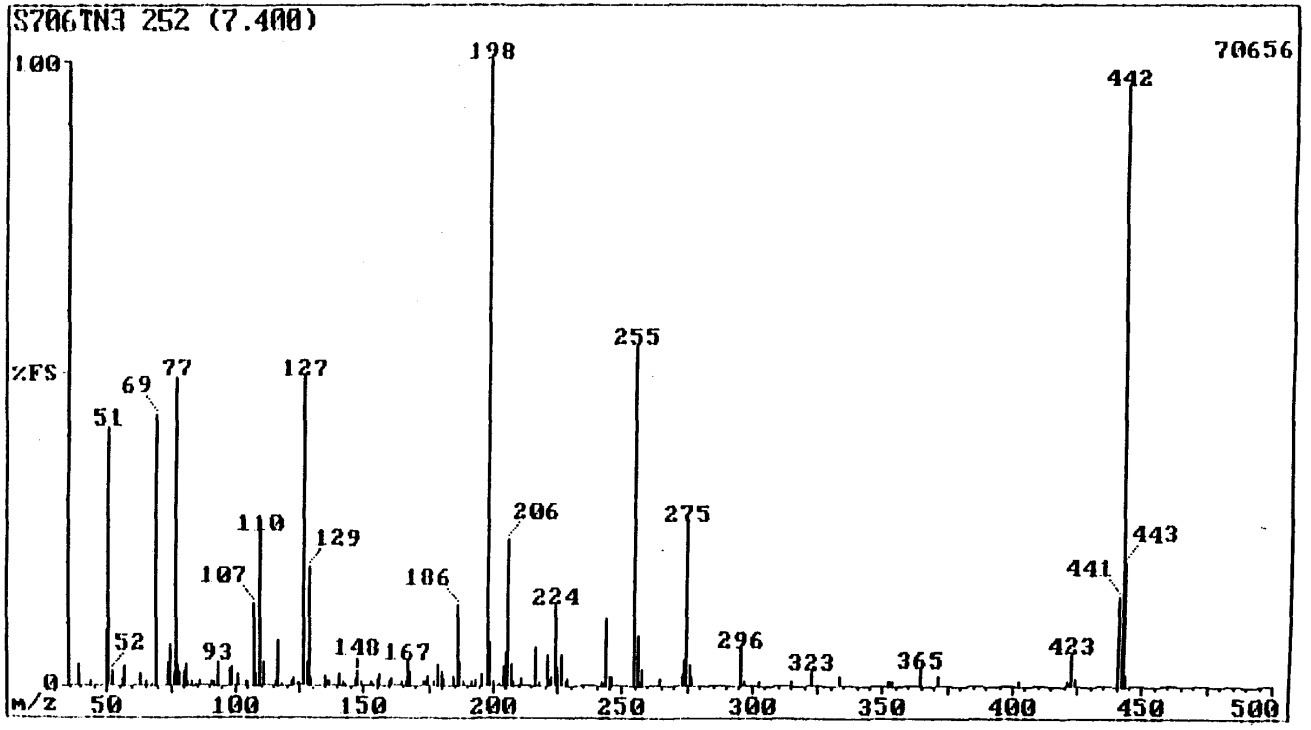
M/E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	41.30	PASS
68	Less than 2.0% of mass 69	0.58(1.3)1	PASS
69	Mass 69 relative abundance	43.12	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	48.91	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	7.07	PASS
275	10 - 30% of mass 198	26.09	PASS
365	greater than 1% of mass 198	2.79	PASS
441	Present, but less then mass 443	14.49	PASS
442	Greater than 40% of mass 198	95.65	PASS
443	17 - 23% of mass 442	19.75(20.6)2	PASS

011025

INJ DATE:07/07/93 FILE:S706TN3

INJ TIME:1123 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2

S706TN3 252 (7.400)



000318

011026

011026

S7B6TN3 252 (7.400) 78656

Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
	39	2464	3.49	28	99	2168	3.06	55	149	472	0.67	82	200	420	0.59	109	265	764	1.08
2	44	416	0.59	29	101	1328	1.88	56	153	512	0.72	83	203	384	0.54	110	273	1248	1.77
3	50	6336	8.97	30	104	680	0.96	57	154	368	0.52	84	204	2320	3.28	111	274	3120	4.42
4	51	29184	41.30	31	105	652	0.92	58	155	936	1.32	85	205	3952	5.59	112	275	18432	26.09
5	52	1696	2.40	32	107	9472	13.41	59	156	1376	1.95	86	206	16384	23.19	113	276	2480	3.51
6	56	872	1.23	33	108	1520	2.15	60	160	572	0.81	87	207	2400	3.40	114	277	1216	1.72
7	57	2240	3.17	34	110	17408	24.64	61	161	840	1.19	88	208	552	0.78	115	296	4224	5.98
8	63	1248	1.77	35	111	2624	3.71	62	165	560	0.79	89	211	712	1.01	116	297	640	0.91
9	65	584	0.83	36	116	424	0.60	63	166	448	0.63	90	217	4352	6.16	117	303	564	0.80
0	68	408	0.58	37	117	5184	7.34	64	167	2736	3.87	91	218	560	0.79	118	315	416	0.59
1	69	30464	43.12	38	118	396	0.56	65	168	1760	2.49	92	221	3536	5.00	119	323	1776	2.51
2	74	2656	3.76	39	122	444	0.63	66	173	460	0.65	93	222	520	0.74	120	334	1104	1.56
3	75	4672	6.61	40	123	844	1.19	67	174	652	0.92	94	223	1024	1.45	121	352	596	0.84
4	76	1712	2.42	41	124	412	0.58	68	175	1232	1.74	95	224	9152	12.95	122	353	416	0.59
5	77	34560	48.91	42	125	400	0.58	69	177	544	0.77	96	225	2336	3.31	123	354	616	0.87
6	78	2608	3.69	43	127	34560	48.91	70	179	2384	3.37	97	227	3552	5.03	124	365	1968	2.79
7	79	1632	2.31	44	128	2800	3.96	71	180	1616	2.29	98	228	524	0.74	125	372	992	1.40
8	80	1568	2.22	45	129	13440	19.02	72	181	892	1.26	99	229	768	1.09	126	403	548	0.78
9	81	2400	3.40	46	130	1152	1.63	73	185	1104	1.56	100	242	496	0.70	127	421	528	0.75
0	82	644	0.91	47	135	1136	1.61	74	186	8960	12.68	101	243	512	0.72	128	422	408	0.58
1	83	652	0.92	48	136	420	0.59	75	187	2640	3.74	102	244	7800	11.05	129	423	3552	5.03
2	85	376	0.53	49	137	652	0.92	76	189	400	0.68	103	245	1040	1.47	130	424	792	1.12
3	86	544	0.77	50	141	1424	2.02	77	192	668	0.95	104	246	1232	1.74	131	441	10240	14.49
4	91	492	0.70	51	142	552	0.78	78	193	836	1.18	105	255	38144	53.99	132	442	67584	95.65
5	92	504	0.71	52	143	412	0.58	79	196	1504	2.13	106	256	5900	8.35	133	443	13952	19.75
6	93	2768	3.92	53	147	792	1.12	80	198	78656	100.00	107	257	480	0.68	134	444	1264	1.79
	98	1792	2.54	54	148	1552	2.20	81	199	4992	7.07	108	258	2016	2.85				

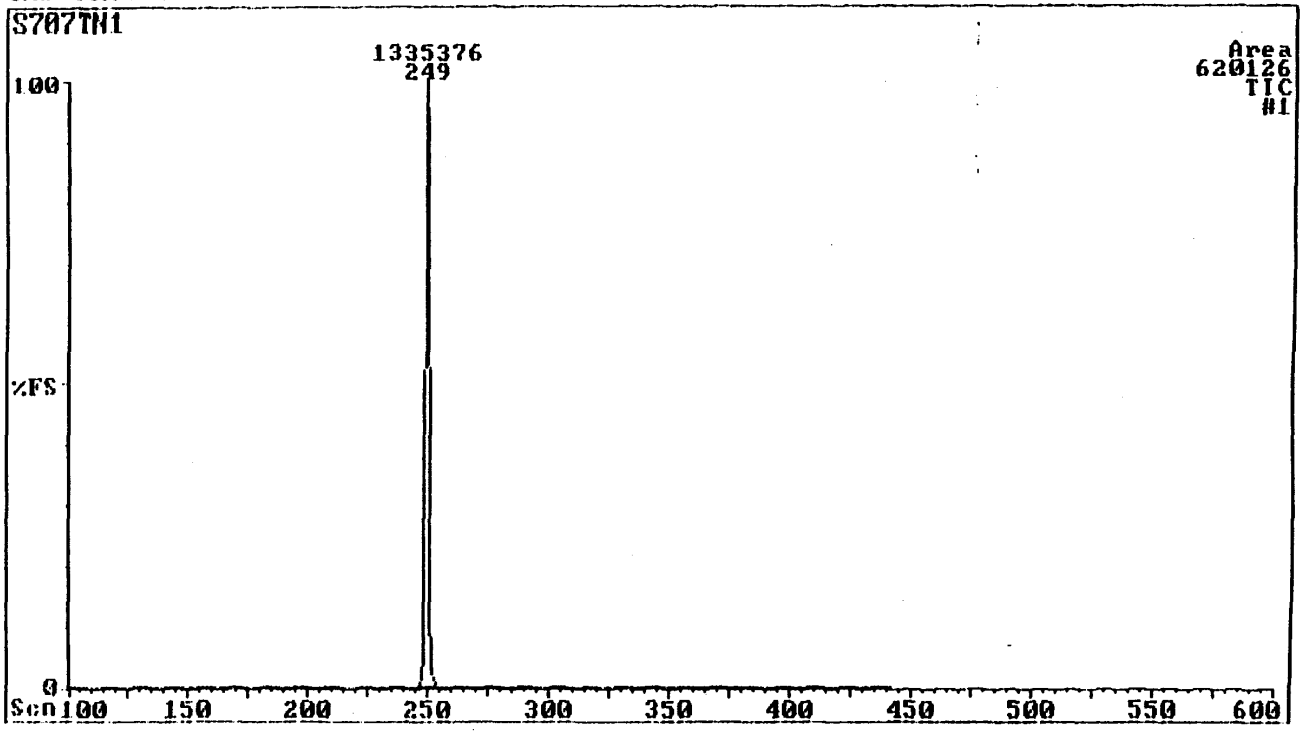
011027

000319

011027

INJ DATE:07/07/93 FILE:S707TN1

INJ TIME:2344 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



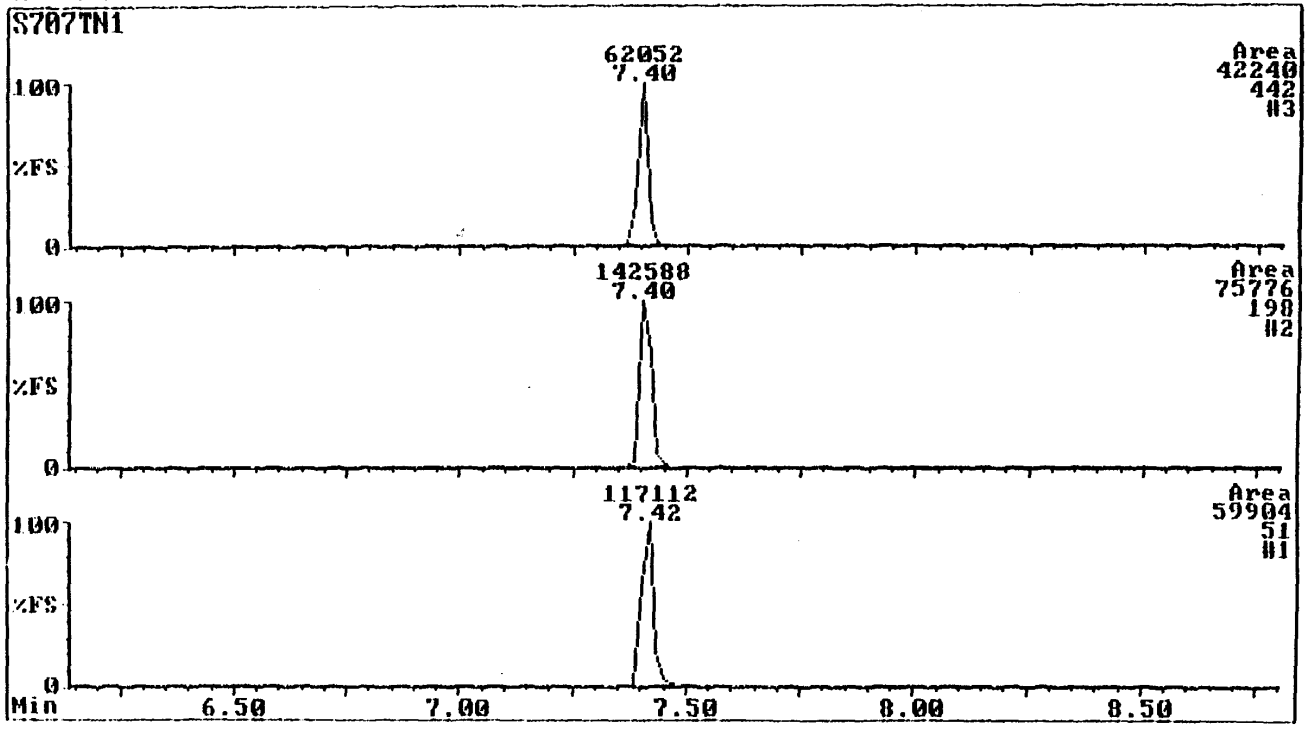
000320

011028

011028

INJ DATE:07/07/93 FILE:S707TN1

INJ TIME:2344 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



000321

011029

011029

011030

DFTPP TUNE CHECK REPORT

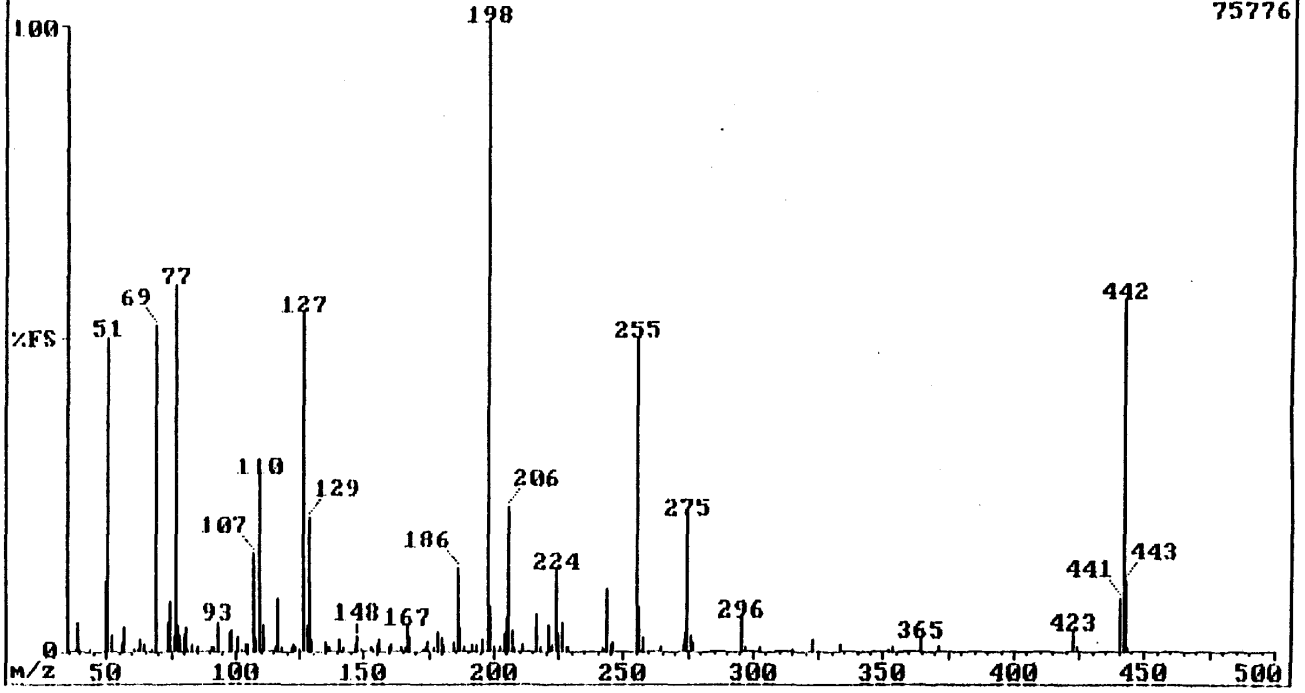
E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	50.00	PASS
68	Less than 2.0% of mass 69	0.55(1.1)1	PASS
69	Mass 69 relative abundance	51.69	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	53.72	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	7.01	PASS
275	10 - 30% of mass 198	21.11	PASS
365	greater than 1% of mass 198	2.07	PASS
441	Present, but less then mass 443	8.28	PASS
442	Greater than 40% of mass 198	55.74	PASS
443	17 - 23% of mass 442	10.73(19.2)2	PASS

000322

INJ DATE:07/07/93 FILE:S707TN1

INJ TIME:2344 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2

S707TN1 249 (7.405)



000323

011031

011031

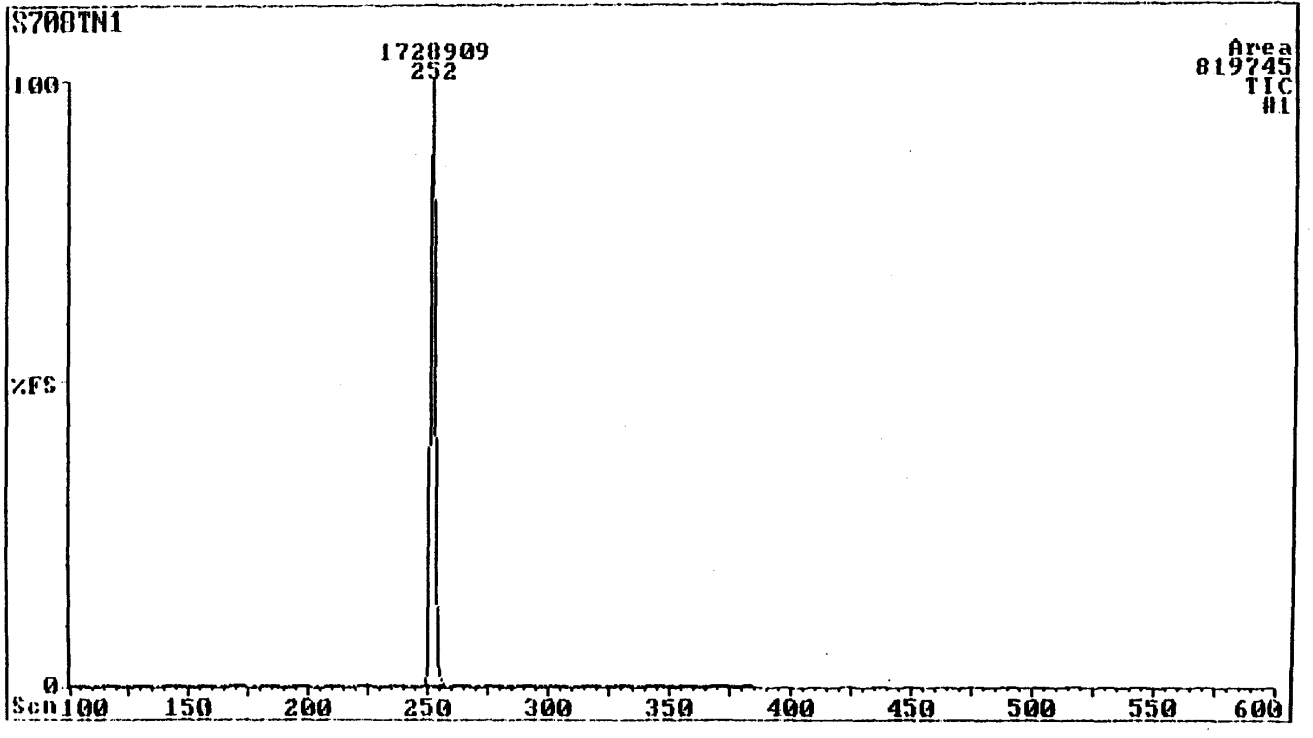
5787TN1 249 (7.485) 75776

	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
1	38	380	0.50	28	91	548	0.72	55	141	1556	2.03	82	193	664	1.14	109	255	37376	49.32
2	39	3488	4.60	29	92	644	0.85	56	142	532	0.70	83	196	1488	1.96	110	256	5440	7.18
3	40	416	0.55	30	93	3408	4.50	57	147	796	1.05	84	198	75776	100.00	111	257	396	0.52
4	44	392	0.52	31	98	2256	2.98	58	148	1648	2.17	85	199	5312	7.01	112	258	1760	2.32
5	50	8320	10.98	32	99	2752	3.63	59	149	400	0.53	86	200	484	0.64	113	265	656	0.87
6	51	37888	50.00	33	101	1680	2.22	60	153	500	0.66	87	203	468	0.62	114	273	1072	1.41
7	52	2160	2.85	34	103	400	0.53	61	154	408	0.54	88	204	2464	3.25	115	274	2224	2.93
8	56	1136	1.50	35	104	868	1.15	62	155	1000	1.32	89	205	4160	5.49	116	275	16000	21.11
9	57	2816	3.72	36	105	856	1.13	63	156	1456	1.92	90	206	17152	22.64	117	276	2144	2.83
10	61	412	0.54	37	107	11456	15.12	64	160	448	0.59	91	207	2528	3.34	118	277	1120	1.48
11	62	412	0.54	38	108	1840	2.43	65	161	864	1.14	92	208	512	0.68	119	296	3856	5.09
12	63	1568	2.07	39	110	20992	27.70	66	165	496	0.65	93	211	740	0.98	120	297	520	0.69
13	65	784	1.03	40	111	3216	4.24	67	166	488	0.63	94	217	4288	5.66	121	303	508	0.67
14	68	420	0.55	41	116	484	0.64	68	167	2860	3.80	95	218	556	0.73	122	315	408	0.54
15	69	39168	51.69	42	117	6272	8.28	69	168	1888	2.49	96	221	3296	4.35	123	323	1584	1.98
16	74	3424	4.52	43	118	584	0.67	70	173	368	0.49	97	222	688	0.91	124	334	892	1.18
17	75	5824	7.69	44	122	524	0.69	71	174	732	0.97	98	223	1016	1.34	125	352	400	0.53
18	76	2064	2.72	45	123	988	1.30	72	175	1312	1.73	99	224	9408	12.42	126	354	452	0.60
19	77	44288	58.45	46	124	464	0.61	73	177	528	0.70	100	225	2320	3.06	127	365	1568	2.07
20	78	3264	4.31	47	125	420	0.55	74	179	2416	3.19	101	227	3584	4.73	128	372	700	0.92
21	79	2046	2.70	48	127	40704	53.72	75	180	1680	2.22	102	228	468	0.61	129	423	2272	3.00
22	80	1968	2.60	49	128	3264	4.31	76	181	832	1.10	103	229	720	0.95	130	424	444	0.59
23	81	3056	4.03	50	129	15900	20.86	77	185	1152	1.52	104	242	496	0.65	131	441	6272	8.28
24	82	700	0.92	51	130	1376	1.82	78	186	9728	12.84	105	243	448	0.59	132	442	42240	55.74
	83	748	0.99	52	135	1184	1.56	79	187	2832	3.74	106	244	7424	9.80	133	443	8128	10.73
	85	416	0.55	53	136	464	0.61	80	189	488	0.64	107	245	944	1.25	134	444	684	0.90
27	86	600	0.79	54	137	584	0.77	81	192	772	1.02	108	246	1136	1.50				

000324

INJ DATE:07/08/93 FILE:S708TN1

INJ TIME:1250 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



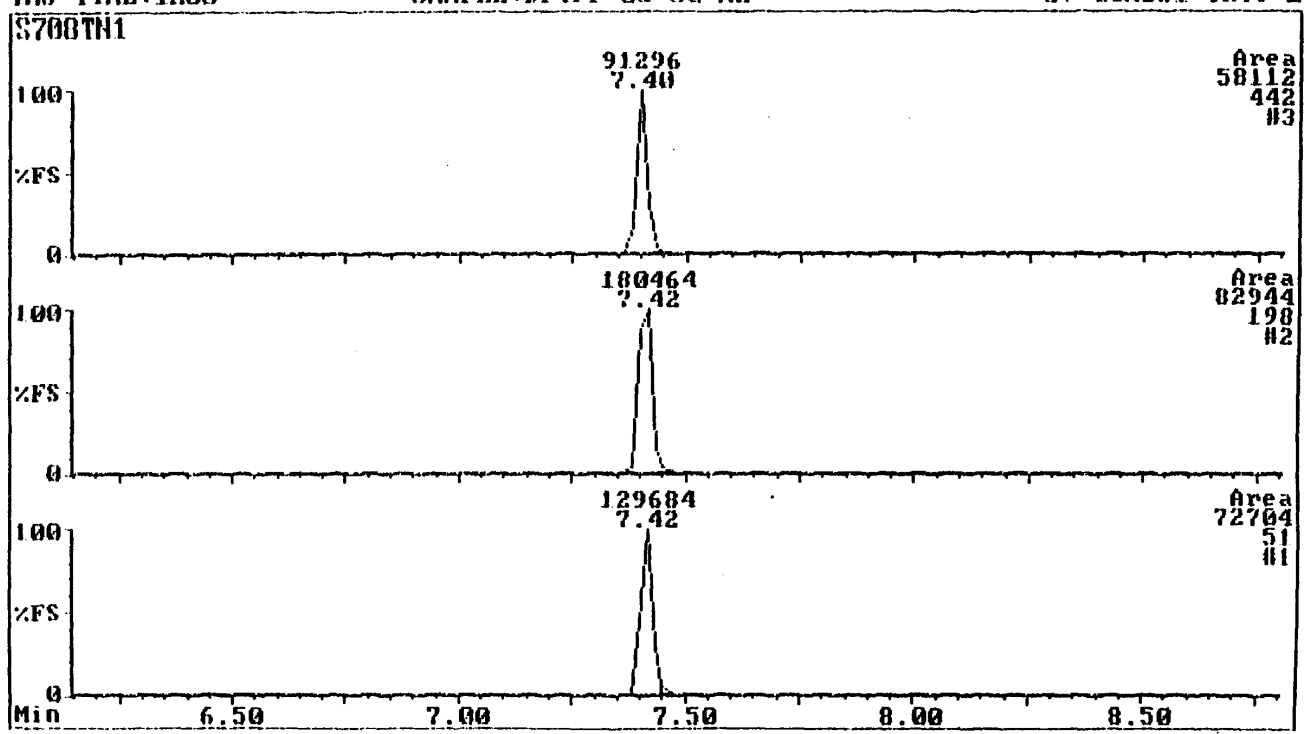
000325

011033

011033

INJ DATE:07/08/93 FILE:S708TN1

INJ TIME:1250 SAMPLE:DFTPP 50 UG/ML SV-GCMS01-TRIO-2



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011034

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011035

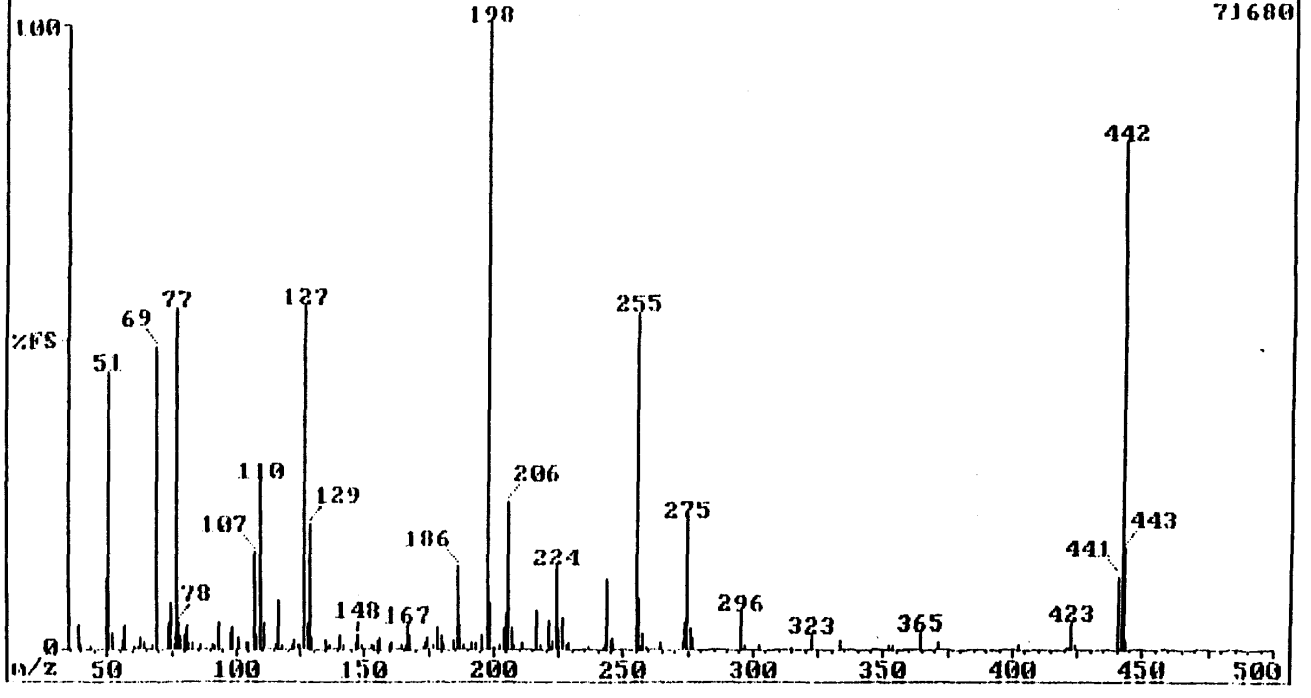
DFTPP TUNE CHECK REPORT

E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	44.64	PASS
68	Less than 2.0% of mass 69	0.66(1.4)1	PASS
69	Mass 69 relative abundance	48.57	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	55.36	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	7.50	PASS
275	10 - 30% of mass 198	21.16	PASS
365	greater than 1% of mass 198	2.59	PASS
441	Present, but less then mass 443	11.52	PASS
442	Greater than 40% of mass 198	81.07	PASS
443	17 - 23% of mass 442	16.43(20.3)2	PASS

INJ DATE:07/08/93 FILE:S708TN1

INJ TIME:1250 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2

S708TN1 251 (7.400)



000328

011036

011036

011037

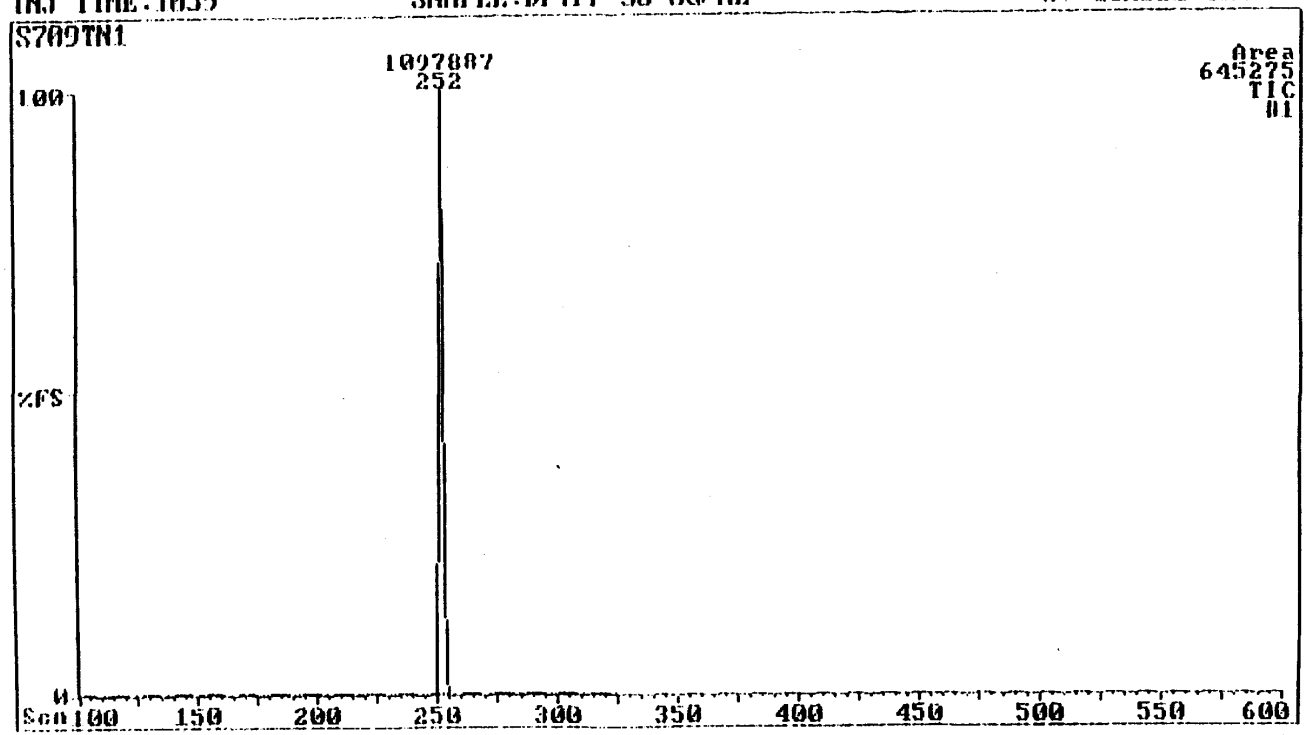
S708TN1 ZS1 (7.408) 71680

	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
1	39	2816	3.93	29	98	2080	2.90	57	153	556	0.78	85	224	2592	3.62	113	273	1248	1.74
2	40	428	0.59	30	99	2432	3.39	58	154	424	0.59	86	225	4096	5.71	114	274	3152	4.40
3	44	564	0.79	31	101	1504	2.10	59	155	996	1.39	87	236	16896	23.57	115	275	15168	21.16
4	50	8128	11.34	32	104	740	1.03	60	156	1372	1.94	88	237	2608	3.64	116	276	2432	3.39
5	51	32000	44.64	33	105	812	1.13	61	160	516	0.72	89	206	496	0.69	117	277	1328	1.85
6	52	1984	2.66	34	107	11072	15.45	62	161	808	1.13	90	211	756	1.05	118	296	4160	5.80
7	56	1056	1.47	35	108	1728	2.41	63	165	576	0.80	91	217	4480	6.25	119	297	640	0.89
8	57	2656	3.71	36	110	19456	27.14	64	166	512	0.71	92	218	576	0.80	120	303	572	0.80
9	61	400	0.56	37	111	3088	4.31	65	167	2928	4.08	93	221	3456	4.82	121	315	412	0.57
10	62	372	0.52	38	116	500	0.70	66	168	1776	2.48	94	222	640	0.90	122	323	1664	2.32
11	63	1408	1.96	39	117	5696	7.95	67	173	400	0.56	95	223	1024	1.43	123	334	1104	1.54
12	65	824	1.15	40	118	524	0.73	68	174	716	1.00	96	224	9536	13.30	124	352	488	0.68
13	68	472	0.66	41	122	500	0.70	69	175	1328	1.85	97	225	2416	3.37	125	354	500	0.71
14	69	34816	48.57	42	123	988	1.38	70	177	552	0.77	98	227	3552	4.96	126	365	1856	2.59
15	74	3040	4.24	43	124	444	0.62	71	179	2432	3.39	99	228	536	0.75	127	372	860	1.20
16	75	5312	7.41	44	125	448	0.63	72	180	1760	2.46	100	229	812	1.13	128	403	436	0.61
17	76	1896	2.65	45	127	39680	55.36	73	181	836	1.17	101	237	408	0.57	129	421	392	0.55
18	77	39424	55.00	46	129	3088	4.31	74	185	1184	1.65	102	242	496	0.69	130	422	412	0.57
19	78	3024	4.22	47	129	14464	20.18	75	186	9344	13.04	103	243	492	0.69	131	423	3200	4.46
20	79	1792	2.50	48	130	1344	1.88	76	187	2816	3.93	104	244	8064	11.25	132	424	572	0.80
21	80	1760	2.46	49	135	1072	1.50	77	189	460	0.64	105	245	1120	1.56	133	441	8256	11.52
22	81	2800	3.91	50	136	416	0.58	78	192	788	1.10	106	246	1264	1.76	134	442	58112	81.07
23	82	744	1.04	51	137	640	0.89	79	193	888	1.24	107	255	38656	53.93	135	443	11776	16.43
24	83	784	1.09	52	141	1536	2.14	80	196	1616	2.25	108	256	5952	8.30	136	444	1104	1.54
25	86	512	0.71	53	142	556	0.79	81	198	71680	100.00	109	257	496	0.68				
26	91	488	0.68	54	147	868	1.21	82	199	5376	7.50	110	258	1968	2.75				
27	92	528	0.73	55	148	1648	2.30	83	200	376	0.53	111	259	416	0.58				
28	93	3088	4.28	56	149	476	0.66	84	203	422	0.60	112	265	800	1.12				

000329

INJ DATE:07/09/93 FILE:S709TN1

INJ TIME:1039 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



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011038

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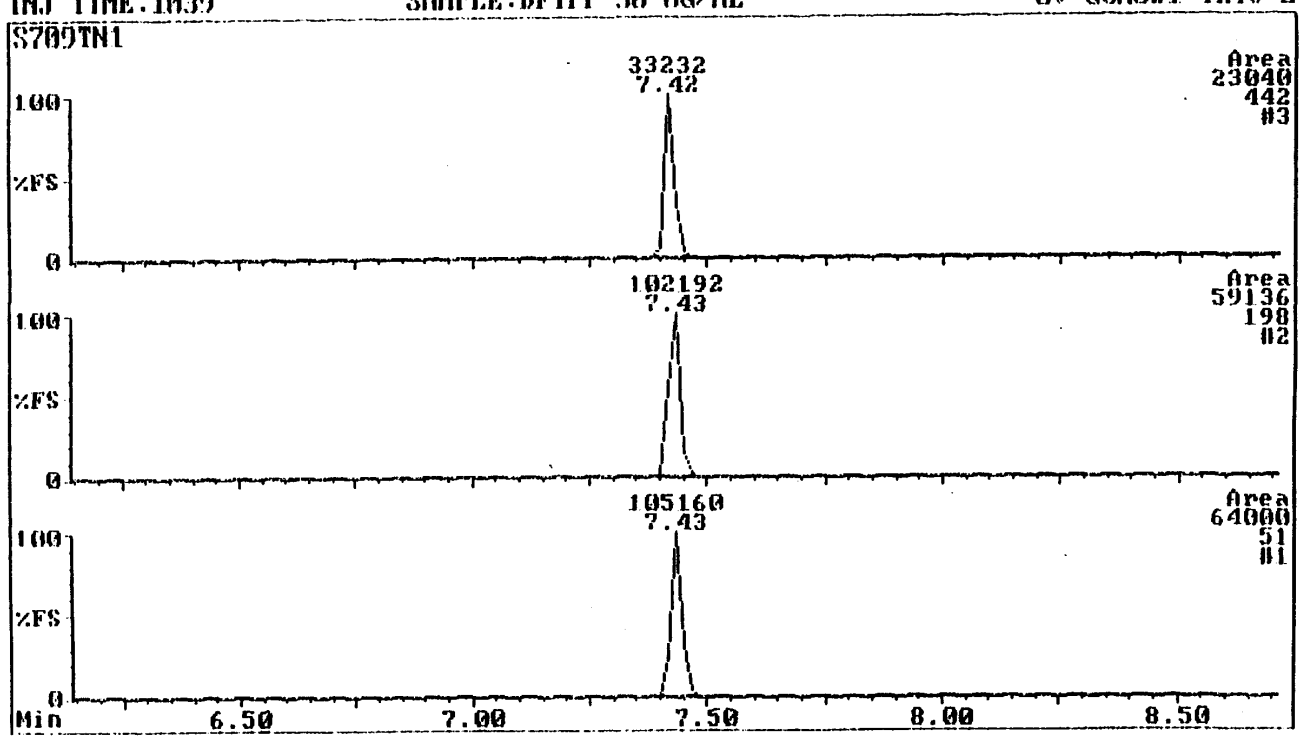
INJ DATE:07/09/93 FILE:S709TN1

INJ TIME:1039 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2



000331

011039

011039

011040

DFTPP TUNE CHECK REPORT

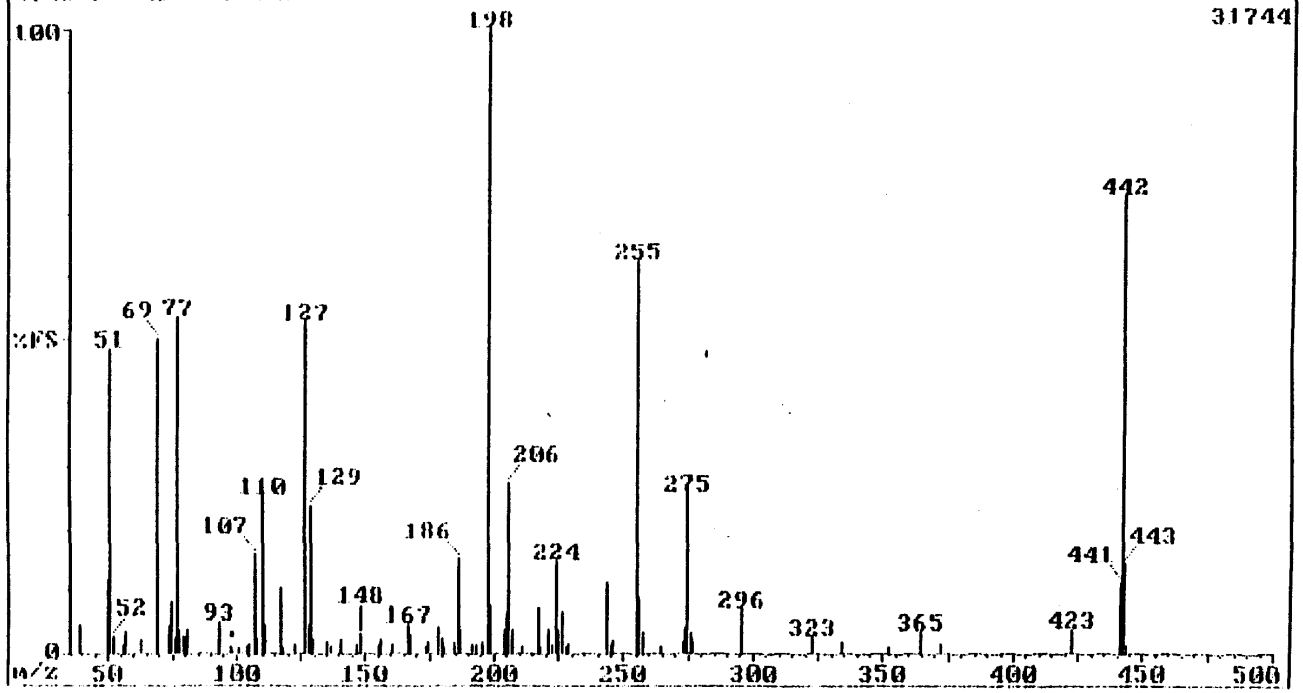
E	ION ABUNDANCE CRITERIA	ABUNDANCE	TUNE
51	30.0 - 60.0% of mass 198	48.39	PASS
68	Less than 2.0% of mass 69	0.00(0.0)1	PASS
69	Mass 69 relative abundance	50.00	PASS
70	Less then 2.0% of mass 69	0.00(0.0)1	PASS
127	40.0 - 60.0% of mass 198	52.42	PASS
197	Less than 1% of mass 198	0.00	PASS
198	Base peak, 100% relative abundance	100.00	PASS
199	5 - 9% of mass 198	7.71	PASS
275	10 - 30% of mass 198	25.81	PASS
365	greater than 1% of mass 198	3.38	PASS
441	Present, but less then mass 443	11.44	PASS
442	Greater than 40% of mass 198	72.58	PASS
443	17 - 23% of mass 442	14.52(20.0)2	PASS

011040

INJ DATE:07/09/93 FILE:S709TN1

INJ TIME:1039 SAMPLE:DFTPP 50 UG/ML SV-GCMS#1-TRIO-2

S709TN1 251 (7.425)



011042

5789TN1 251 (7.425) 31744

	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int	Pk#	Mass	Abs Int	Rel Int
1	39	1472	4.64	20	101	784	2.22	39	155	528	1.66	58	205	2144	6.75	77	255	432	1.36
2	50	3664	11.54	21	104	408	1.29	40	156	716	2.26	59	206	8640	27.22	78	273	604	1.90
3	51	15360	48.39	22	105	436	1.37	41	161	520	1.64	60	207	1264	3.98	79	274	1408	4.44
4	52	896	2.82	23	107	5056	15.93	42	167	1456	4.59	61	211	428	1.32	80	275	8192	25.81
5	56	532	1.68	24	108	920	2.90	43	168	1040	3.28	62	217	2368	7.46	81	276	1104	3.48
6	57	1088	3.43	25	110	8000	25.20	44	174	372	1.17	63	219	368	1.16	82	277	768	2.42
7	63	680	2.14	26	111	1472	4.64	45	175	664	2.09	64	221	1200	3.78	83	296	2256	7.11
8	69	15872	50.00	27	117	5920	18.48	46	179	1312	4.13	65	223	544	1.71	84	323	924	2.91
9	74	1504	4.74	28	118	348	1.10	47	180	868	2.73	66	224	4672	14.72	85	334	576	1.86
10	75	2608	8.22	29	123	532	1.68	48	181	492	1.55	67	225	1248	3.93	86	352	348	1.10
11	76	872	2.75	30	127	16640	52.42	49	185	652	2.05	68	227	2096	6.60	87	365	1072	3.38
12	77	16896	53.23	31	128	1504	4.74	50	186	4864	15.32	69	228	348	1.10	88	372	452	1.42
13	78	1248	3.93	32	129	7468	23.59	51	187	1408	4.44	70	229	460	1.45	89	423	1280	4.03
14	79	832	2.62	33	130	764	2.41	52	192	464	1.46	71	244	3600	11.34	90	441	3632	11.44
15	80	876	2.76	34	135	588	1.85	53	193	496	1.56	72	245	472	1.49	91	442	23040	72.58
16	81	1296	4.08	35	137	416	1.31	54	196	584	1.84	73	246	720	2.27	92	443	4608	14.52
17	93	1632	5.14	36	141	792	2.49	55	198	31744	100.00	74	255	19712	62.10	93	444	468	1.47
18	98	1120	3.53	37	147	496	1.56	56	199	2448	7.71	75	256	2880	9.07				
19	99	1120	3.53	38	148	948	2.99	57	204	1360	4.28	76	258	1184	3.42				

000334

pg 1 of 2

CHESTER LABNET-MONROEVILLE

BENCH SHEET FOR PERCENT SOLIDS

M93-06-118 - orig
M93-06-117

ANALYST C. Yurshinski
CBY 7-1-93

DATE / TIME 7-1-93 / 7:55AM

OVEN TIME/DATE IN In oven (105°C) 7-1-93 / 09:50AM CBY 7-1-93

BALANCE CHECK (100 gram MASS) 100.0009 g

OVEN TIME/DATE OUT out oven (105°C) 7-2-93 / 07:15AM

WORK ORDER #	SAMPLE #	SITE ID	WEIGHT OF WET SOIL + JAR grams	WEIGHT OF JAR grams	WEIGHT OF WET SOIL grams	WEIGHT OF DRY SOIL + JAR grams	WEIGHT OF JAR grams	WEIGHT OF DRY SOIL grams	PERCENT SOLID (%)
M93-06-118	003	#3R	58.3183	50.5037	7.8146	58.0519	50.5037	7.5482	96.6
	004	#6R	58.0971	50.5203	7.5768	57.9618	50.5203	7.4415	98.2
	005	#50	58.2442	50.8836	7.3606	57.5822	50.8836	6.6986	91.0
(005 Dup)	006	#50 61.9229	~~56.7486~~	50.8753	11.0476	60.9289	50.8753	10.0536	91.0
	009	#51	57.1382	50.8147	6.3235	57.1032	50.8147	6.2885	99.4
	010	#52	56.3583	50.8487	5.5096	56.3213	50.8487	5.4726	99.3
	011	#53	56.7880	50.7322	6.0558	56.7302	50.7322	5.9980	99.0
	012	#54	60.3553	50.6905	9.6648	60.3051	50.6905	9.6146	99.4
	013	#55	61.1174	51.0490	10.0684	61.0749	51.0490	10.0259	99.6
	014	#56	55.5951	50.8522	4.7429	55.5680	50.8522	4.7158	99.4
	015	#57	60.9169	50.8498	10.0671	60.8432	50.8498	9.9934	99.3
	016	#58	55.7803	50.9756	4.8047	55.7237	50.9756	4.7481	98.8
	017	#59	58.5353	50.8323	7.7030	58.4850	50.8323	7.6527	99.3
	018	#60	57.2833	50.8207	6.4626	57.2415	50.8207	6.4208	99.3
	019	#61	62.5468	51.0470	11.4998	62.5207	51.0470	11.4737	99.8
	020	#62	57.6096	50.7231	6.8865	57.5248	50.7231	6.8017	98.8
	021	#63	60.1034	50.7734	9.3300	60.0555	50.7734	9.2821	99.5
	022	#64	55.8072	50.5864	5.2208	55.7890	50.5864	5.2026	99.6
	023	#65	62.4548	50.7251	11.7297	62.4355	50.7251	11.7104	99.8
	024	#66	58.1002	50.7830	7.3172	58.0311	50.7830	7.2481	99.0
	025	#67	54.6683	50.9558	3.7065	54.6458	50.9558	3.6900	99.6
	026	#68	54.0669	50.7745	3.2924	54.0576	50.7745	3.2831	99.7
	027	#69	59.5708	50.8519	8.7189	59.5596	50.8519	8.7077	99.9
	028	#70	59.9445	50.8575	9.0870	59.8376	50.8575	8.9801	98.8
	029	#71	59.5306	50.8187	8.7019	59.4513	50.8187	8.6326	99.2
	030	#72	61.6762	50.7325	10.9437	61.6344	50.7325	10.9019	99.6

(Weight of dry soil / Weight of wet soil) x 100 = % Solids

C. Yurshinski 7-2-93
CBY

APPROVED BY Cheryl Marino
DATE 7/6/93

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011043

pg 2 of 2

CHESTER LABNET-MONROEVILLE

BENCH SHEET FOR PERCENT SOLIDS

ANALYST C. Yushinski

DATE / TIME 7-1-93 / 7:55 AM

BALANCE CHECK (100 gram MASS) 100.0009g

OVEN TIME/DATE IN In Oven (105°C) 7-1-93 / 09:50 AM

OVEN TIME/DATE OUT Out oven (105°C) 7-2-93 / 07:15 AM

WORK ORDER #	SAMPLE #	SITE ID	WEIGHT OF WET SOIL + JAR grams	WEIGHT OF JAR grams	WEIGHT OF WET SOIL grams	WEIGHT OF DRY SOIL + JAR grams	WEIGHT OF JAR grams	WEIGHT OF DRY SOIL grams	PERCENT SOLID (%)
M93-06-118	031	#73	66.5988	50.8028	15.7960	66.5857	50.8028	15.7829	99.9
(Lab Dup)	031	#73	66.0127	50.7685	15.2442	66.0012	50.7685	15.2327	99.9
	032	#74	64.7010	50.5725	14.1285	64.5410	50.5725	13.9685	98.9
	033	#75	62.0416	50.9647	11.0769	61.9735	50.9647	11.0088	99.4
	034	#76	63.3698	50.7803	12.5895	63.3257	50.7803	12.5454	99.6
	035	#77	70.1572	51.0878	19.0694	70.1398	51.0878	19.0520	99.9
	036	#78	60.5241	50.9106	9.6135	60.4022	50.9106	9.4916	98.7
	037	#79	59.6819	50.8191	8.8628	59.6446	50.8191	8.8255	99.6
	038	#80	64.2774	50.6470	13.6304	64.2645	50.6470	13.6175	99.9
	039	#81	56.0386	50.8684	5.1702	56.0309	50.8684	5.1625	99.8
M93-06-117	002	Sø-1	73.0293	50.6895	22.3398	CDY ~~70.9868~~ 78.9878	50.6895	20.2983	90.9
	003	Sø-2	64.8914	50.7514	14.1400	62.2216	50.7514	11.4702	81.1
	004	Sø-3	70.5182	50.9175	19.6007	65.7448	50.9175	14.8273	75.6
	005	Sø-4	72.7790	50.8866	21.8924	66.1756	50.8866	15.2890	69.8
	006	Sø-5	69.4588	50.8640	18.5948	64.9111	50.8640	14.0471	75.5
	007	Sø-6	64.8223	50.8441	13.9782	62.5661	50.8441	11.7220	83.8
	008	Sø-7	69.2363	50.8613	18.3750	64.2526	50.8613	13.3913	72.9
	009	Sø-8 61.5763	CDY 7-1-93 ~~60.1968~~	50.8432	10.7331	59.1344	50.8432	8.2912	77.2
	010	Sø-9	59.4527	50.8523	8.6004	58.9231	50.8523	8.0708	93.8
(010 Dup)	011	Sø-9 61.3222	CDY 7-1-93 ~~61.3216~~	50.8714	10.4508	60.6928	50.8714	9.8214	94.0
	014	Sø-10	59.9143	50.6574	9.2569	56.6800	50.6574	6.0226	65.1
	015	Sø-11	74.3212	50.7610	23.5602	68.4105	50.7610	17.6495	74.9

(Weight of dry soil / Weight of wet soil) x 100 = % Solids

C. Yushinski
7-2-93

APPROVED BY Cheryl Matias

DATE 7/11/93

011044

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011045

Chester Lab - Monroeville
Job Summary Sheet

Produced on 1-JUL-1993

CHES_HOUS
ChesterLab - Houston
8300 Westpark
Houston TX 77063

Work Order: M93-06-118
Date Received: 28-JUN-1993
Report Date: 6-JUL-1993
Project ID:
P.O. Number:

Attention:

Contact: Melinda Harty

Job Description: CHESTER LAB 6-28-1993 BY LEE
Number of samples: 39 Sampled by: CLIENT

Job Comments:
8270X PAH'S ONLY DUE 7-6-1993. DATA PACKAGE REQUIRED. SOL REPORT ON DRY WEIGHT

SAMPLE IDENTIFICATION

Lab ID	Numeric ID	Sample Source	Sampling Point	Sample Matrix	Date Sampled	Date Rec'd
118-001	71399	LAB BLANK	QA_QC	SOIL		
118-002	71400	LAB CONTROL SAMPLE	QA_QC	SOIL		
118-003	71401	#3R		SOIL	23-JUN	28-JUN
118-004	71402	#6R		SOIL	23-JUN	28-JUN
118-005	71403	#50		SOIL	23-JUN	28-JUN
118-006	71404	#50 DUP	QA_QC	SOIL		29-JUN
118-007	71405	#50 MS	QA_QC	SOIL		29-JUN
118-008	71406	#50 MSD	QA_QC	SOIL		29-JUN
118-009	71407	#51		SOIL	23-JUN	28-JUN
118-010	71408	#52		SOIL	23-JUN	28-JUN
118-011	71409	#53		SOIL	23-JUN	28-JUN
118-012	71410	#54		SOIL	23-JUN	28-JUN
118-013	71411	#55		SOIL	23-JUN	28-JUN
118-014	71412	#56		SOIL	23-JUN	28-JUN
118-015	71413	#57		SOIL	23-JUN	28-JUN
118-016	71414	#58		SOIL	23-JUN	28-JUN
118-017	71415	#59		SOIL	23-JUN	28-JUN
118-018	71416	#60		SOIL	23-JUN	28-JUN
118-019	71417	#61		SOIL	23-JUN	28-JUN
118-020	71418	#62		SOIL	23-JUN	28-JUN
118-021	71419	#63		SOIL	23-JUN	28-JUN
118-022	71420	#64		SOIL	23-JUN	28-JUN
118-023	71421	#65		SOIL	23-JUN	28-JUN
118-024	71422	#66		SOIL	23-JUN	28-JUN
118-025	71423	#67		SOIL	23-JUN	28-JUN
118-026	71424	#68		SOIL	23-JUN	28-JUN
118-027	71425	#69		SOIL	23-JUN	28-JUN
118-028	71426	#70		SOIL	23-JUN	28-JUN

011046

Chester Lab - Monroeville
Job Summary Sheet

Produced on 1-JUL-1993

MPLE IDENTIFICATION

Lab ID	Numeric ID	Sample Source	Sampling Point	Sample Matrix	Date Sampled	Rec'd
118-029	71427	#71		SOIL	23-JUN	28-JUN
118-030	71428	#72		SOIL	23-JUN	28-JUN
118-031	71429	#73		SOIL	23-JUN	28-JUN
118-032	71430	#74		SOIL	23-JUN	28-JUN
118-033	71431	#75		SOIL	23-JUN	28-JUN
118-034	71432	#76		SOIL	23-JUN	28-JUN
118-035	71433	#77		SOIL	23-JUN	28-JUN
118-036	71434	#78		SOIL	23-JUN	28-JUN
118-037	71435	#79		SOIL	23-JUN	28-JUN
118-038	71436	#80		SOIL	23-JUN	28-JUN
118-039	71437	#81		SOIL	23-JUN	28-JUN

Analysis ID	Parameter Description	Number of Analyses
8270X	(Soil) Semi-Volatiles	38
SOL	%Solids at 103 C	35

000338

011046

FEDERAL EXPRESS

[redacted]

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE TRACKING NUMBER 9779621073

3133N 9779621073

[redacted] Date 7-13-93

RECIPIENT'S COPY

From (Your Name) Please Print

Your Phone Number (Very Important) ( )

Company [illegible]

Department/Floor No.

CHESTER LAB NET

Street Address

3000 TECH CENTER DRIVE

City HONEYSVILLE State PA

ZIP Required [illegible]

2 To (Recipient's Name) Please Print

Recipient's Phone Number (Very Important) ( )

Company BOBBY BARRIENTOS

Department/Floor No.

Chester LABNET

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.)

8300 West park Drive

City Houston State TX

ZIP Required 77063

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)

H IF HOLD FOR PICK-UP, Print FEDEX Address Here

Street Address

City State ZIP Required

3 PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No 3 [ ] Bill 3rd Party FedEx Acct. No 4 [ ] Bill Credit Card 5 [ ] Cash/Check

[redacted]

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning)
- 11 [ ] OTHER PACKAGING
- 16 [ ] FEDEX LETTER*
- 12 [X] FEDEX PAK*
- 13 [ ] FEDEX BOX
- 14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon for Saturday delivery)
- 51 [ ] OTHER PACKAGING
- 56 [ ] FEDEX LETTER*
- 52 [ ] FEDEX PAK*
- 53 [ ] FEDEX BOX
- 54 [X] FEDEX TUBE

Economy Two-Day (Delivery by second business day)
- 30 [ ] ECONOMY

Government Overnight (Restricted for authorized users only)
- 46 [X] GOV'T LETTER
- 41 [ ] GOV'T PACKAGE

Freight Service (for packages over 150 lbs.)
- 70 [ ] OVERNIGHT FREIGHT** (Continued restriction required)
- 80 [ ] TWO-DAY FREIGHT**

† Delivery commitment may be later in some areas

*Declared Value Limit $500
**Call for delivery schedule

5 DELIVERY AND SPECIAL HANDLING (Check services required)

HOLD FOR PICK-UP (Fill in Box H) { 1 [ ] WEEKDAY or 31 [ ] SATURDAY

DELIVER { 2 [X] WEEKDAY or 3 [ ] SATURDAY (Extra charge) (Not available to all locations)

4 [ ] DANGEROUS GOODS (Extra charge)

5 [ ]

6 [ ] DRY ICE (Dangerous Goods Shipper's Declaration not required)

By Ltr. 6 UN 1845 x kg ill

7 [ ] OTHER SPECIAL SERVICE

9 [ ] SATURDAY PICK-UP (Extra charge)

[ ]

12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES | WEIGHT In Pounds Only | YOUR DECLARED VALUE (See right)

Total 1 Total 3 Total

DIM SHIPMENT (Chargeable Weight) [ ] lbs

L x W x H

Received At
1 [X] Regular Stop 3 [ ] Drop Box
2 [ ] On-Call Stop 4 [ ] B.S.C. 5 [ ] Station

7 Release Signature:

Emp. No. Date

[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Def [ ] Chg. To Hold

Street Address

City State Zip

Received By: X

Date/Time Received FedEx Employee Number

Federal Express Use
- Base Charges
- Declared Value Charge
- Other 1
- Other 2
- Total Charges

REVISION DATE 6/92
PART #137204 NCREC 4/93
FORMAT #136

136

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PRINTED IN U.S.A.

000339

011047

011047

S - Dest bad

HT - NG

CC's - mina problems

BLKS - ? OK?

D&A - need spk amts & what DUP's ARE.

011048

Report
Prepared
for

D a m e s a n d M o o r e

4321 Directors Row
Suite 200
Houston, TX 77092

Attention : BRUCE HICKMAN

by

Chester LabNet - Houston
8300 Westpark Drive
Houston, Texas 77063
(713) 266-6800

CERTIFIED BY : Bobby Barrientos

Bobby Barrientos
Project Manager

PROJECT ID : SOUTH CAVALCADE
P.O. NUMBER : 28804

WORK ORDER : H93-03.101
DATE RECEIVED : 11-MAR-1993

11,12

011049

SAMPLE & ANALYSIS SUMMARY

Chester LabNet Sample ID	Client's Sample Name	Date Collected	Sample Matrix
H93-03.101-001	LAB BLANK	10-MAR-1993	WATERSOIL
H93-03.101-002	SC-PW 1 (+10)	10-MAR-1993	SOIL
H93-03.101-003	SC-PW 1 (-10+200)	10-MAR-1993	SOIL
H93-03.101-004	SC-PW 1 (-200)	10-MAR-1993	LIQUID
H93-03.101-005	SC-PW 2 (+10)	10-MAR-1993	SOIL
H93-03.101-006	SC-PW 2 (+10) MS	10-MAR-1993	SOIL
H93-03.101-007	SC-PW 2 (+10) MSD	10-MAR-1993	SOIL
H93-03.101-008	SC-PW 2 (-10+200)	10-MAR-1993	SOIL
H93-03.101-009	SC-PW 2 (-10+200) MS	10-MAR-1993	SOIL
H93-03.101-010	SC-PW 2 (-10+200) MSD	10-MAR-1993	SOIL
H93-03.101-011	SC-PW 2 (-200)	10-MAR-1993	LIQUID
H93-03.101-012	SC-PW 2 (-200) MS	10-MAR-1993	LIQUID
H93-03.101-013	SC-PW 2 (-200) MSD	10-MAR-1993	LIQUID
H93-03.101-014	SC-PW 3 (+10)	10-MAR-1993	SOIL
H93-03.101-015	SC-PW 3 (-10+200)	10-MAR-1993	SOIL
H93-03.101-016	SC-PW 3 (-200)	10-MAR-1993	LIQUID
H93-03.101-017	SC-PW 4 (+10)	10-MAR-1993	SOIL
H93-03.101-018	SC-PW 4 (-10+200)	10-MAR-1993	SOIL
H93-03.101-019	SC-PW 4 (-200)	10-MAR-1993	LIQUID
H93-03.101-020	SC-PW 5 (+10)	10-MAR-1993	SOIL
H93-03.101-021	SV-PW 5 (-10+200)	10-MAR-1993	SOIL
H93-03.101-022	SC-PW 5 (-200)	10-MAR-1993	LIQUID
H93-03.101-023	SC-PW 6 (+10)	10-MAR-1993	SOIL
H93-03.101-024	SC-PW 6 (-10+200)	10-MAR-1993	SOIL
H93-03.101-025	SC-PW 6 (-200)	10-MAR-1993	LIQUID
H93-03.101-026	SC-PW 7 (+10)	10-MAR-1993	SOIL
H93-03.101-027	SC-PW 7 (-10+200)	10-MAR-1993	SOIL
H93-03.101-028	SC-PW 7 (-200)	10-MAR-1993	LIQUID
H93-03.101-029	SC-PW 8 (+10)	10-MAR-1993	SOIL
H93-03.101-030	SC-PW 8 (-10+200)	10-MAR-1993	SOIL
H93-03.101-031	SC-PW 8 (-200)	10-MAR-1993	LIQUID
H93-03.101-032	SC-PW 9 (+10)	10-MAR-1993	SOIL
H93-03.101-033	SC-PW 9 (-10+200)	10-MAR-1993	SOIL
H93-03.101-034	SC-PW 9 (-200)	10-MAR-1993	LIQUID
H93-03.101-035	SC-PW 10 (+10)	10-MAR-1993	SOIL
H93-03.101-036	SC-PW 10 (-10+200)	10-MAR-1993	SOIL
H93-03.101-037	SC-PW 10 (-200)	10-MAR-1993	LIQUID
H93-03.101-038	SC-PW DUP (+10)	10-MAR-1993	SOIL
H93-03.101-039	SC-PW DUP (-10+200)	10-MAR-1993	SOIL
H93-03.101-040	SC-PW DUP (-200)	10-MAR-1993	LIQUID
H93-03.101-041	SC-PW RINSATE	24-FEB-1993	WATER
H93-03.101-042	BLANK SPIKE	10-MAR-1993	WATERSOIL

Analysis ID	Parameter Description
DRY_WT	Dry Weight Factor
EXT_8270	Extraction by EPA 8270
EXT_8270SX	(Soil) Extraction by EPA 8270
SV_TCL	Semivolatiles (Target Compound List)
SV_TCL_SX	Semivolatiles (Target Compound List)-Soil

011051

CASE NARRATIVE

CONTRACTOR: CHESTER LABNET SITE: SOUTH CAVALCADE

PROJ.NO. 28804 LAB NO.:H93-03.101

I. RECEIPT

A. DATE: March 11, 1993

B. NO. OF SAMPLES: (11) SOILS
(1) RINSATE

C. CLIENT SAMPLE ID's: SC-PW 1; SC-PW 2; SC-PW 3;SW-PW 4; SC-PW 5; SC-PW 6; SC-PW 7;SW-PW 8; SC-PW 9; SC-PW 10; SC-PW DUP; SC-PW RINSATE.

D. SAMPLE TYPE: SOILS - Pilot Soil Washing Test

E. ANALYSIS REQUESTED: cPAH (Method 8270) on three fractions (+10/-10+200/-200) per composited soil sample.

F. SHIPPING PROBLEMS: None

G. DOCUMENTATION: Data Quality Objective (DQO) level III

H. QC DISTRIBUTION: (MS/DUP AND MSD/SPIKE)

CLIENT ID	MATRIX	All Parameters
SC-PW 2	Soil	cPAH PER EA. FRACTION

II. PREPARATION

A. MS/MSD PROBLEMS: Samples SC-PW 2 (-10+200) MS/MSD ? unavailable due to insufficient amount.

B. EXTRACTION PROBLEMS: None

III. ANALYSIS

A. ANALYSIS: Sample (cPAH per fraction) analysis occurred after Grain Size (D-422) was completed. This provision is stated per Appendix A SAP (Revision).

B. SURROGATE PROBLEMS: According to Soil Surrogate summary several samples for cPAH analyses have surrogates diluted out due to matrices hazardous condition. ?

IV. COMMENTS

Per request of Dames & Moore (Bruce Hickman), the Full PAH listing (Form I's) with quanitation is provided. According to stated Pilot Soil Washing Sampling and Analysis Plan, the carcinogenic PAHs are included.

All analyses were performed as specified according to the Quality Assurance Project Plan (QAPP) for South Cavalcade Site as part of the Remedial Design Work Plan for Beazer.

000001

Robert R Barrientos

Robert R. Barrientos - Project Manager

March 30, 1993

Date

011052

000002

Dames & Moore
Tom Hopper 688-4541

Keystone Lab-Houston

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number 28804
Project Location South Cavalcade
Laboratory Keystone
Sampler(s) Wes Fiandt

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Date Sampled	Moisture Density (D698)	Grain Size (D422)	<PAH (8270)								TOTAL
SC-PW 1 Soil	2/24/93	X	X									
SC-PW 2 Soil		X	X									
SC-PW 3 Soil		X	X									
SC-PW 4 Soil		X	X									
SC-PW 5 Soil		X	X									
SC-PW 6 Soil		X	X									
SC-PW 7 Soil		X	X									
SC-PW 8 Soil		X	X									
SC-PW 9 Soil		X	X									
SC-PW 10 Soil		X	X									
SC-PW Dup. Soil		X	X									
SC-PW Rinsate		X	X									

Relinquished by: W. Fiandt	Organization: Dames & Moore	Date: 2/24/93	Time 4:00PM	Seal Intact? Yes No N/A
Received by: D. [illegible]	Organization: Chester-Lab-NET	Date: 2/24/93	Time 4:01 PM	
Relinquished by:	Organization:	Date: / /	Time	Seal Intact? Yes No N/A
Received by:	Organization:	Date: / /	Time	

Special Instructions / Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier _____ specify ☐ Lab Courier ☐ Other _____ specify

000003

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011053

Keystone Lab-Houston

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number #10610

Project Location —

Laboratory CHESTER

Sampler(s) Troy Hopper by TB

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Date Sampled	GRAIN SIZE (D-422)											TOTAL
SC-PW-1 SOIL	2/24/93	X											
SC-PW-2 " "		X											
SC-PW-3 " "		X											
SC-PW-4 " "		X											
SC-PW-5 " "		X											
SC-PW-6 " "		X											
SC-PW-7 " "		X											
SC-PW-8 " "		X											
SC-PW-9 " "		X											
SC-PW-10 " "		X											
SC-PW-Dup "	—	X											

000004

Relinquished by: Roy Hargrove	Organization: KEYSTONE Lab	Date: 2/26/93	Time 10:00	Seal Intact?
Received by: [illegible]	Organization: Fugro-McClelland	Date: 2/26/93	Time 10:00	Yes No N/A
Relinquished by:	Organization:	Date: / /	Time	Seal Intact?
Received by: Kim Hargrove	Organization: KEYSTONE Lab	Date: 3/10/93	Time 8:13	Yes No N/A

Special Instructions / Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier _____ specify ☐ Lab Courier ☐ Other _____ specify

011054

011054

Keystone Lab - Houston
Soil Surrogate Recovery Summary
Keystone Work Order # H93-03.101

Client Sample Name	S1 NBZ	S2 FBP	S3 TPH	S4 PHL	S5 2FP	S6 TBP	S7 2CP	S8 DCB
LAB BLANK	79	88	127	81	67	95	52	80
SC-PW 1 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 1 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 2 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 2 (+10) MS	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 2 (+10) MSD	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 2 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 3 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 3 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 4 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 4 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 5 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SV-PW 5 (-10+200)	70	70	80	70	60	80	50	80
SC-PW 6 (+10)	70	80	100	60	60	70	40	80
SC-PW 6 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 7 (+10)	36	36	49	37	30	41	24	39
SC-PW 7 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 8 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 8 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 9 (+10)	DL	DL	DL	DL	DL	DL	DL	NA
SC-PW 9 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 10 (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 10 (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW DUP (+10)	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW DUP (-10+200)	DL	DL	DL	DL	DL	DL	DL	DL
BLANK SPIKE	79	56	71	78	67	69	47	78

Surrogate Name	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	22-120
S3 (TPH) = Terphenyl-d14	18-137
S5 (2FP) = 2-Fluorophenol	25-121
S7 (2CP) = 2-Chlorophenol-d4	20-130**

Surrogate Name	QC LIMITS
S2 (FBP) = 2-Fluorobiphenyl	30-115
S4 (PHL) = Phenol-d5	24-113
S6 (TBP) = 2,4,6-Tribromophenol	19-122
S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130**

0 out of 40 : outside of QC limits.

* = Values are outside of QC limits ** = Advisory QC Limits NA = Not Applicable DL = Diluted Out

011056

R

Keystone Lab - Houston
Water Surrogate Recovery Summary
Keystone Work Order # H93-03.101

Client Sample Name	S1 NBZ	S2 FBP	S3 TPH	S4 PHL	S5 2FP	S6 TBP	S7 2CP	S8 DCB
LAB BLANK	96	85	87	NA	NA	NA	NA	NA
SC-PW 1 (-200)	81	32 *	3 *	NA	NA	NA	NA	NA
SC-PW 2 (-200)	DL	DL	DL	NA	DL	DL	DL	DL
SC-PW 2 (-200) MS	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 2 (-200) MSD	DL	DL	DL	DL	DL	DL	DL	DL
SC-PW 3 (-200)	76	31 *	3 *	NA	NA	NA	NA	NA
SC-PW 4 (-200)	81	27 *	3 *	NA	NA	NA	NA	NA
SC-PW 5 (-200)	70	26 *	6 *	NA	NA	NA	NA	NA
SC-PW 6 (-200)	84	18 *	3 *	NA	NA	NA	NA	NA
SC-PW 7 (-200)	79	13 *	4 *	NA	NA	NA	NA	NA
SC-PW 8 (-200)	70	13 *	4 *	NA	NA	NA	NA	NA
SC-PW 9 (-200)	66	8 *	2 *	NA	NA	NA	NA	NA
SC-PW 10 (-200)	80	16 *	2 *	NA	NA	NA	NA	NA
SC-PW DUP (-200)	79	41 *	4 *	NA	NA	NA	NA	NA
SC-PW RINSATE	113	103	108	NA	NA	NA	NA	NA
BLANK SPIKE	88	77	81	NA	NA	NA	NA	NA

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

20 out of 39 : outside of QC limits.

* = Values are outside of QC limits ** = Advisory QC Limits NA = Not Applicable DL = Diluted Out

011057

S O I L B L A N K S P I K E R E C O V E R Y S U M M A R Y

Site : South Calvacade Keystone WO: H93-03.101

BN Compound	Amount Spiked(µg)	Amount Recov.	Percent Recovery	QC Range %
1,2,4-Trichlorobenzene	1700	990	58	38 - 107
Acenaphthene	1700	990	58	31 - 137
2,4-Dinitrotoluene	1700	970	57	28 - 89
Pyrene	1700	1300	76	35 - 142
N-Nitroso-di-n-propylamine	1700	900	53	41 - 126
1,4-Dichlorobenzene	1700	1100	65	28 - 104
ACID Compound				
Pentachlorophenol	2500	1900	76	17 - 109
Phenol	2500	1600	64	26 - 90
2-Chlorophenol	2500	1500	60	25 - 102
4-Chloro-3-methylphenol	2500	1400	56	26 - 103
4-Nitrophenol	2500	300	12	11 - 114

Recovery: B/N's 0 out of 6 outside QC limits.
Acids 0 out of 5 outside QC limits.

* - Asterisked values are outside QC limits

011058

WATER BLANK SPIKE RECOVERY SUMMARY

Site : South Calvacade

Keystone WO: H93-03.101

BN Compound	Amount Spiked(µg)	Amount Recov.	Percent Recovery	QC Range %
1,2,4-Trichlorobenzene	50	34	68	39 - 98
Acenaphthene	50	39	78	46 - 118
2,4-Dinitrotoluene	50	42	84	24 - 96
Pyrene	50	47	94	26 - 127
N-Nitroso-di-n-propylamine	50	40	80	41 - 116
1,4-Dichlorobenzene	50	31	62	36 - 97

Recovery: B/N's 0 out of 6 outside QC limits.

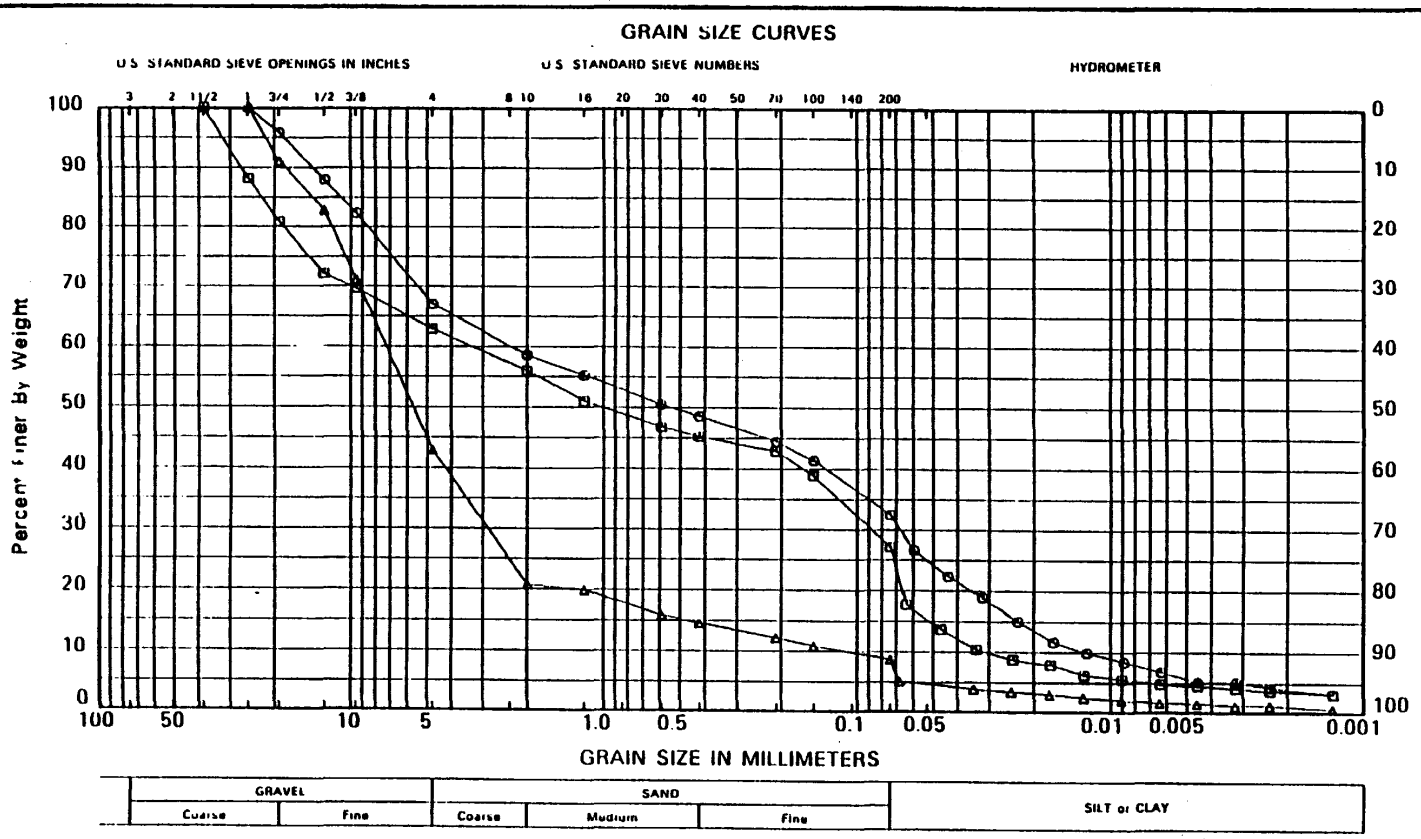
* - Asterisked values are outside QC limits

CHESTER LABNET - HOUSTON

METHOD BLANK SUMMARY

Work Order# : H93-03.101

	File ID	Date Analyzed	Inst. ID	TYPE	CAS Number	Compound (HSL, TIC, or Unknown)	Conc.	Units
1.	9B03101C01	03/16/93	4530	SV	—	—	—	ug/Kg
2.								
3.	4W03101C01	03/16/93	4510	SV	—	—	—	ug/L
4.								
5.								
6.								
7.								



CURVE	BORING NO.	PENETRATION, Ft.	MATERIAL
⊖⊖⊖	SC-PW	1.0	Gravelly Sand, Gray
△△△	SC-PW	2.0	Sandy Gravel, Gray
⊟⊟⊟	SC-PW	3.0	Sandy Gravel, Gray

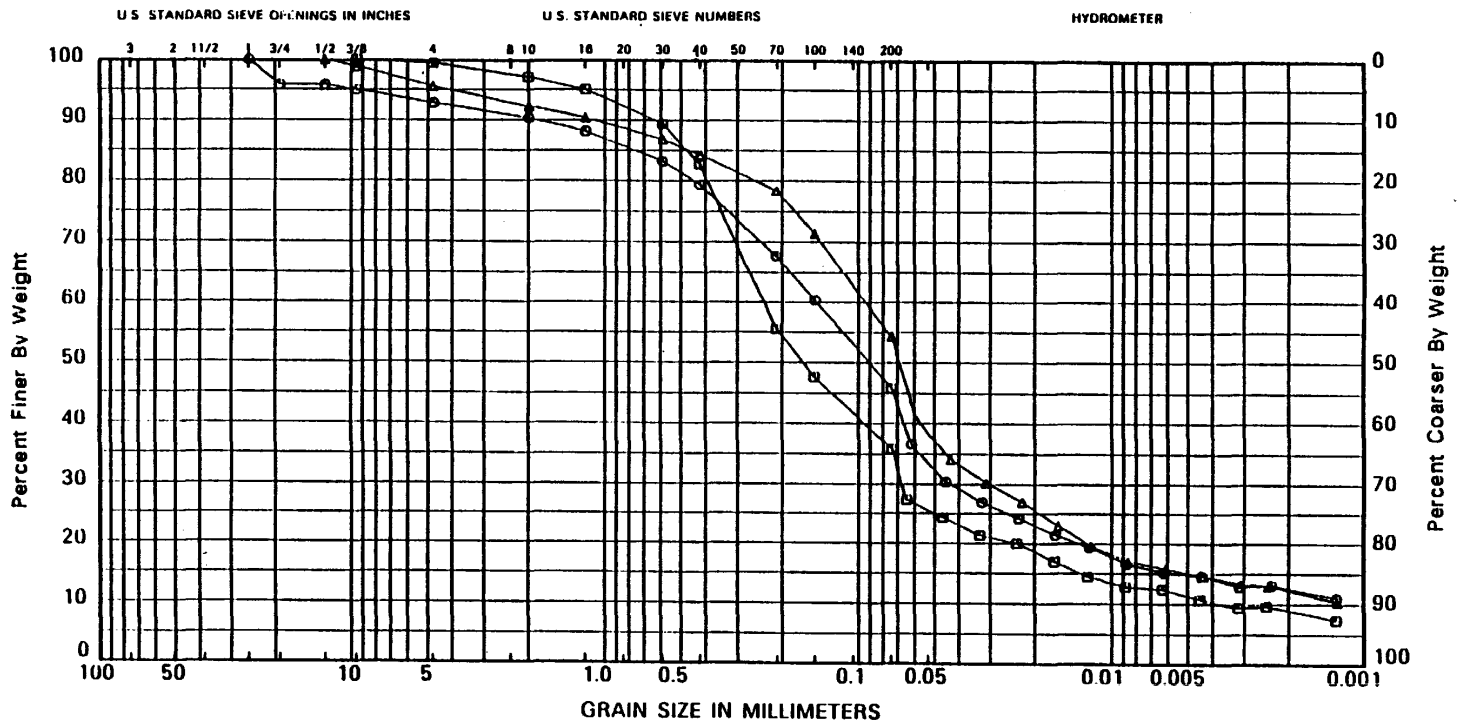
010000

DATE 1

011060

011060

GRAIN SIZE CURVES



GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

CURVE	BORING NO.	PENETRATION, Ft.	MATERIAL
⊖⊖⊖	SC-PW	4.0	Silty Sand, Gray w/Gravel
△△△	SC-PW	5.0	Sandy Clay, Gray
⊟⊟⊟	SC-PW	6.0	Clayey Sand, Gray

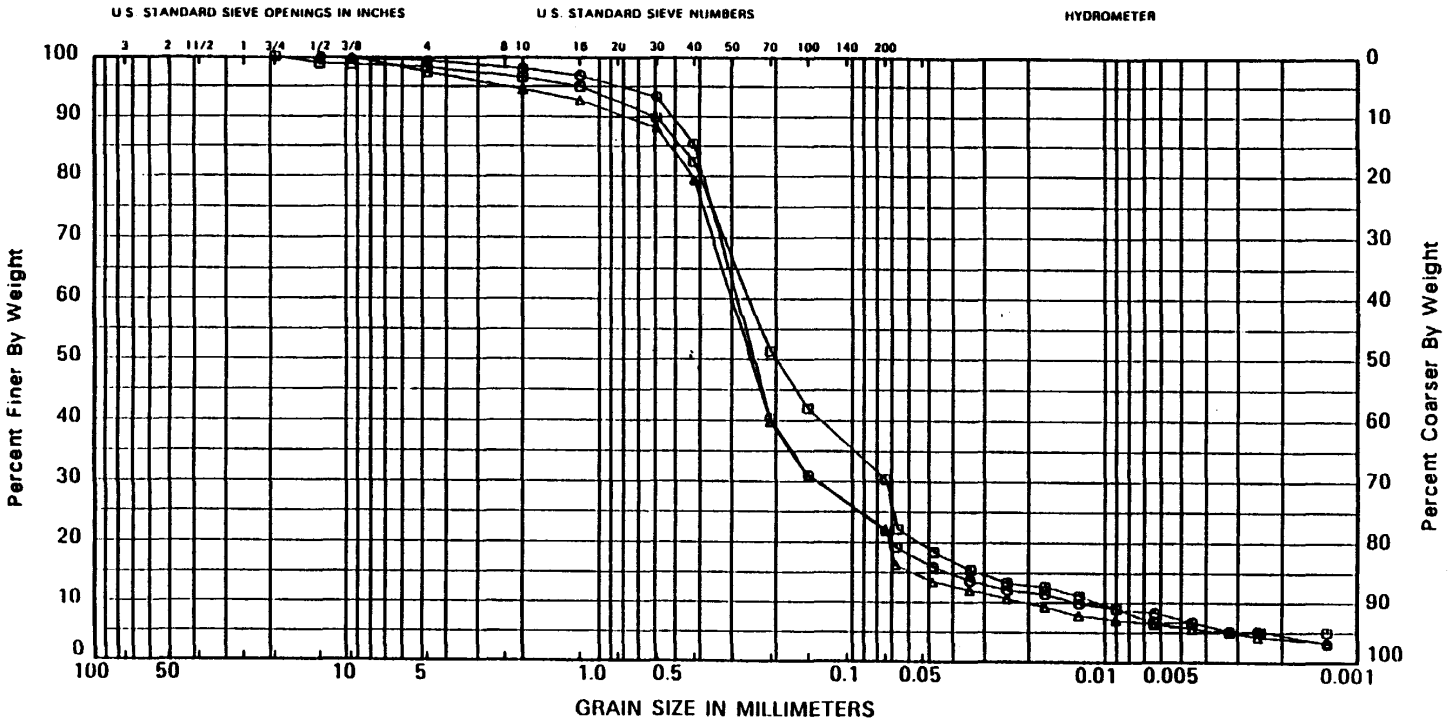
PLATE 2

000011

011061

011061

GRAIN SIZE CURVES



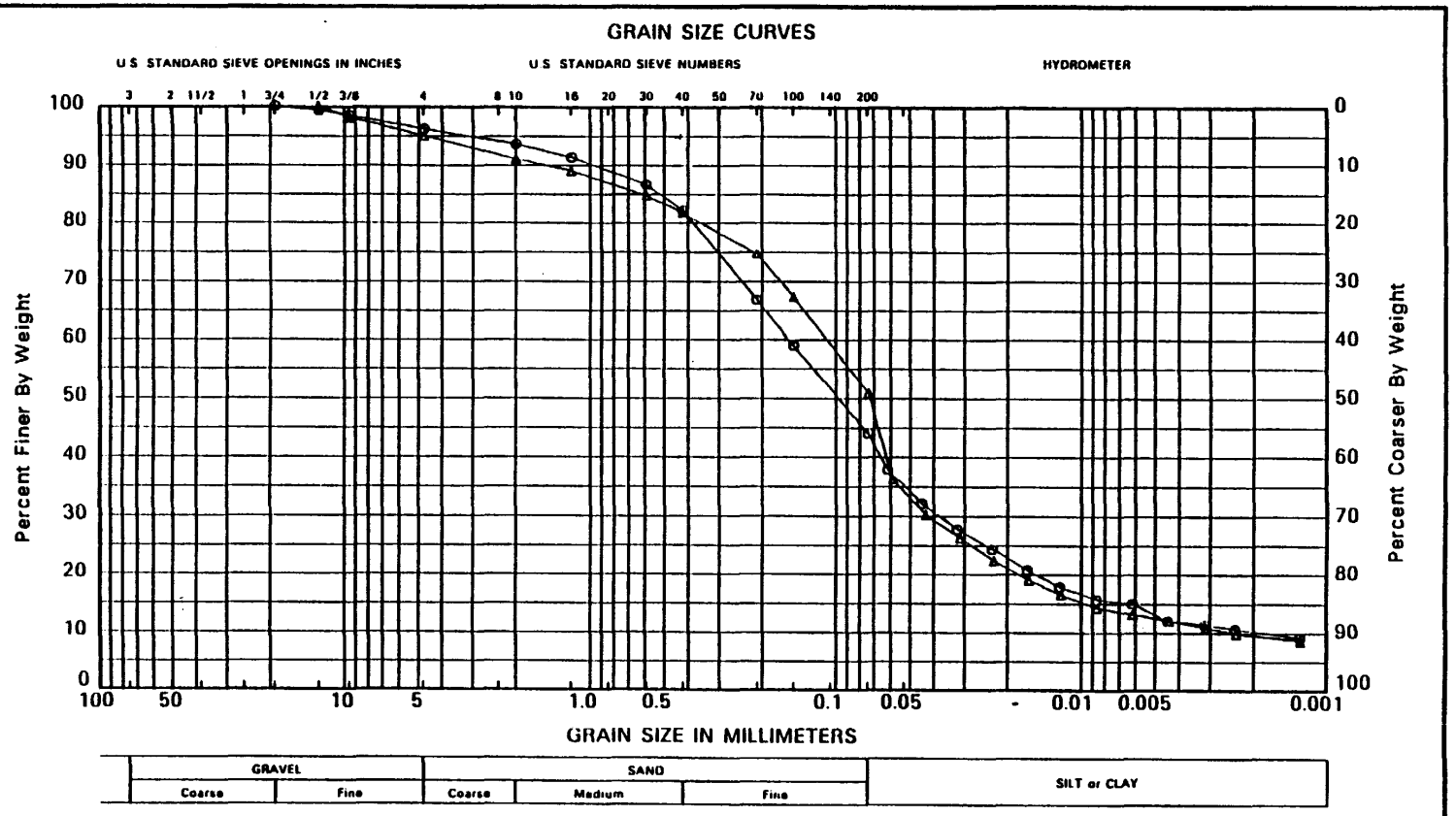
GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

CURVE	BORING NO.	PENETRATION, Ft.	MATERIAL
⊖⊖⊖	SC-PW	7.0	Clayey Sand, G
△△△	SC-PW	8.0	Clayey Sand, G
⊟⊟⊟	SC-PW	9.0	Clayey Sand, G

PLATE 3

011062

011062



CURVE	BORING NO.	PENETRATION, Ft.	MATERIAL
-o-o-o-	SC-PW	10.0	Clayey Sand, Gray
-Δ-Δ-Δ-	SC-PW	DUP	Sandy Clay, Gray

000013

PLATE 4

011063

011063

011064

INST ID: 4530 SAMPLE NUMBER: SC-PW 1 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310102 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C024
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	130 *
C740	CHRYSENE	7	100 *
C765	BENZO(B)FLUORANTHENE	7	85 *
C770	BENZO(K)FLUORANTHENE	7	89 *
C775	BENZO(A)PYRENE	7	89 *
C780	INDENO(1,2,3-CD)PYRENE	7	34
C785	DIBENZO(A,H)ANTHRACENE	7	16

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:200 DILUTION

011065

INST ID: 4330 SAMPLE NUMBER: SC-PW 1 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: KEYSTONE
LAB SAMPLE ID NO.: 920310102
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

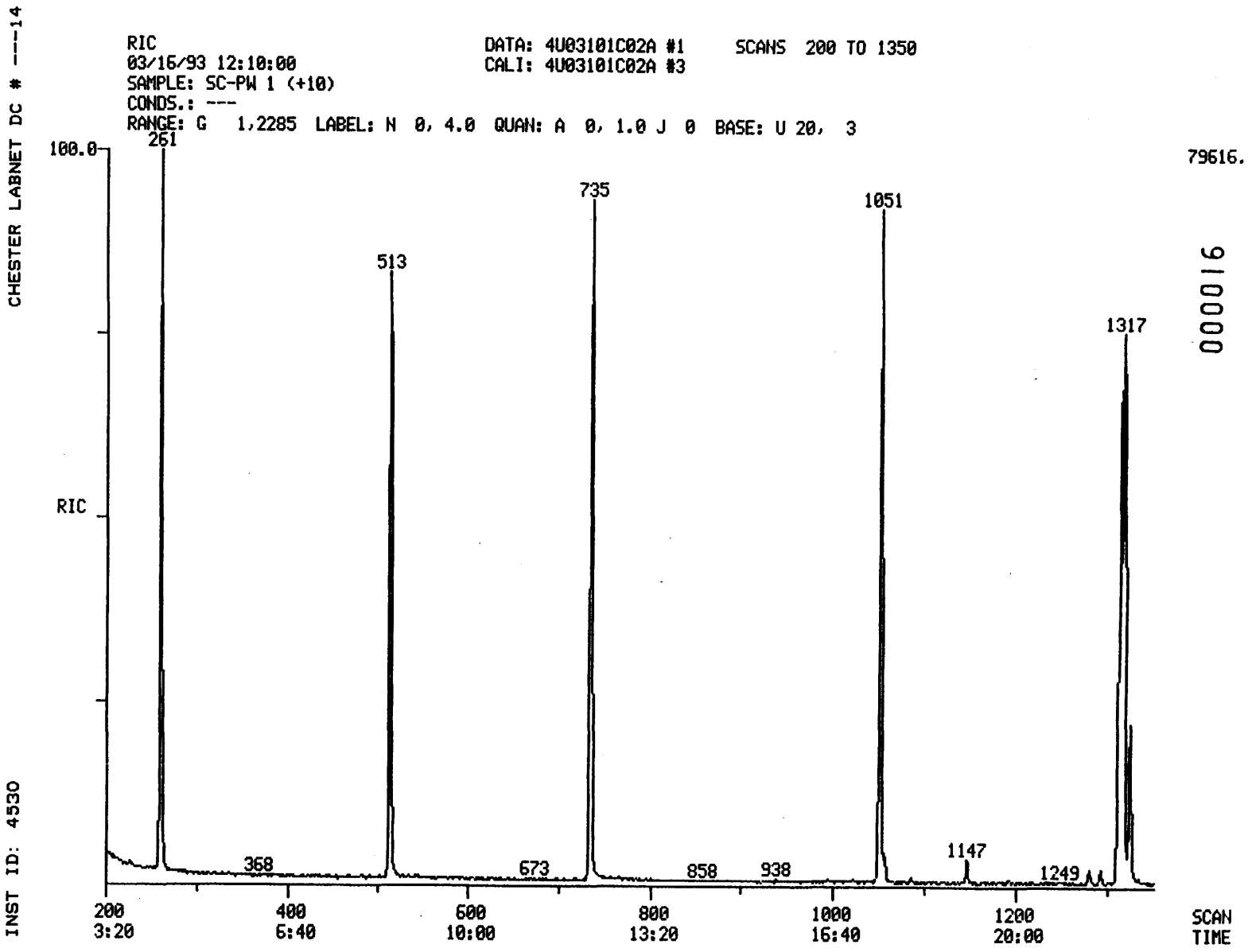
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C02

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C250	NAPHTHALENE	7	2 J
C540	ACENAPHTHYLENE	7	4 J
C550	ACENAPHTHENE	7	5
C590	FLUORENE	7	7
C640	PHENANTHRENE	7	160
C645	ANTHRACENE	7	40
C655	FLUORANTHENE	7	250
C715	PYRENE	7	190
C730	BENZO(A)ANTHRACENE	7	130 *
C740	CHRYSENE	7	100 *
C765	BENZO(B)FLUORANTHENE	7	85 * ?
C770	BENZO(K)FLUORANTHENE	7	89 *
C775	BENZO(A)PYRENE	7	89 *
C780	INDENO(1,2,3-CD)PYRENE	7	34
C785	DIBENZO(A,H)ANTHRACENE	7	16
C790	BENZO(GHI)PERYLENE	7	35

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



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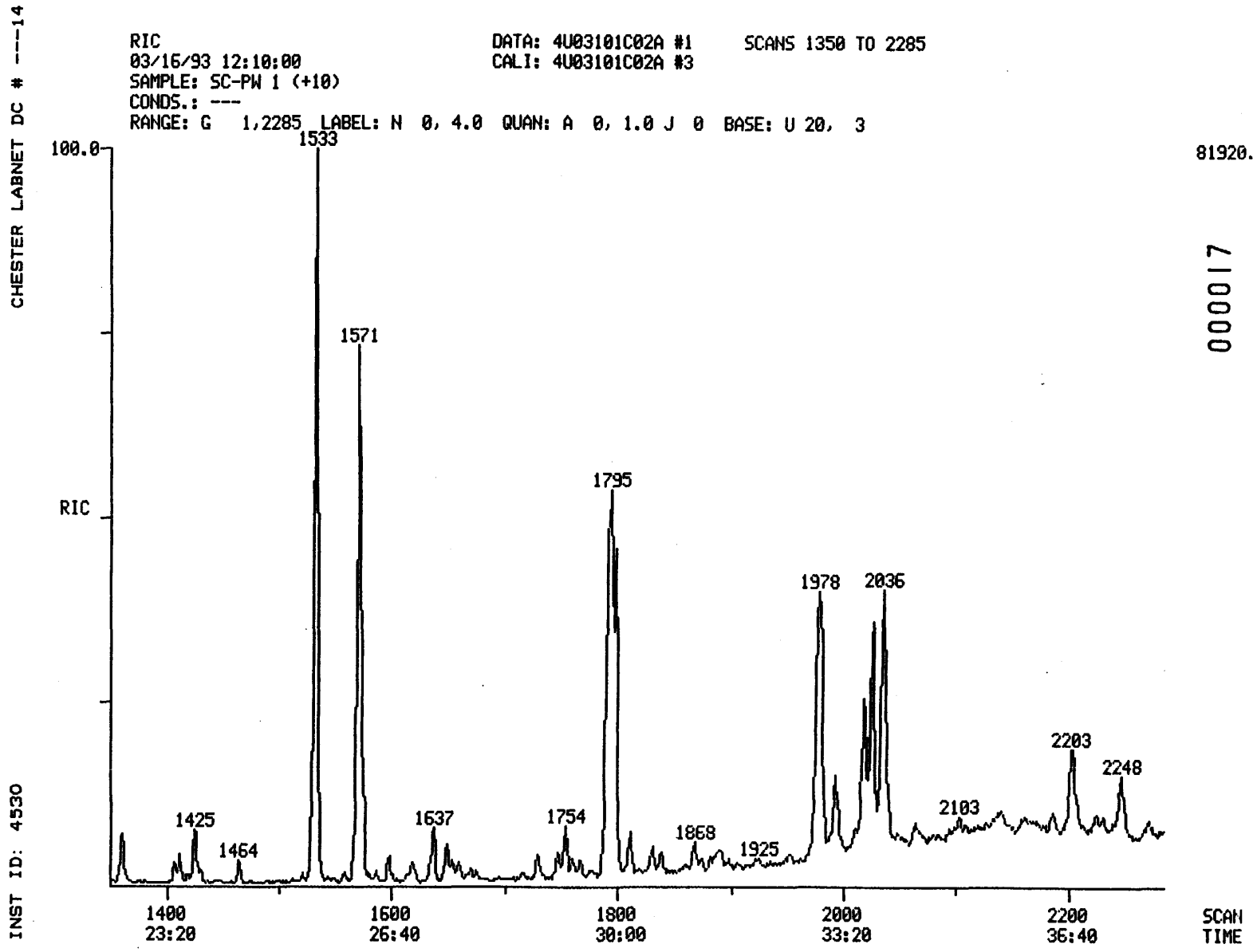

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KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 1 (+10)		
FILENAME	4U03101C02A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 12:10:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
513	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	134 MG/KG	1.000	3332
735	CI40	NAPHTHALENE-D8 ** IS2 **	136	134 MG/KG	1.000	9949
1051	CI50	ACENAPHTHENE-D10 ** IS3 **	164	134 MG/KG	1.000	6039
1313	CI60	PHENANTHRENE-D10 ** IS4 **	188	134 MG/KG	1.000	7632
1795	CI70	CHRYSENE-D12 ** IS5 **	240	134 MG/KG	1.000	4496
2036	CI75	PERYLENE-D12 ** IS6 **	264	134 MG/KG	1.000	4167
1317	C640	PHENANTHRENE	178	140 MG/KG	1.003	9030
1325	C645	ANTHRACENE	178	45 MG/KG	1.009	2951
1533	C655	FLUORANTHENE	202	237 MG/KG	1.168	13496
1571	C715	PYRENE	202	217 MG/KG	0.875	10052
1792	C730	BENZO(A)ANTHRACENE	228	128 MG/KG	0.998	5625
1799	C740	CHRYSENE	228	104 MG/KG	1.002	4207
1977	C765	BENZO(B)FLUORANTHENE	252	85 MG/KG	0.971	3873
1979	C770	BENZO(K)FLUORANTHENE	252	89 MG/KG	0.972	4530
2037	C775	BENZO(A)PYRENE	252	89 MG/KG	0.996	3636
2203	C780	INDENO(1,2,3-CD)PYRENE	276	40 MG/KG	1.082	1616
2206	C785	DIBENZO(A,H)ANTHRACENE	278	17 MG/KG	1.083	504
2248	C790	BENZO(GHI)PERYLENE	276	39 MG/KG	1.104	1249

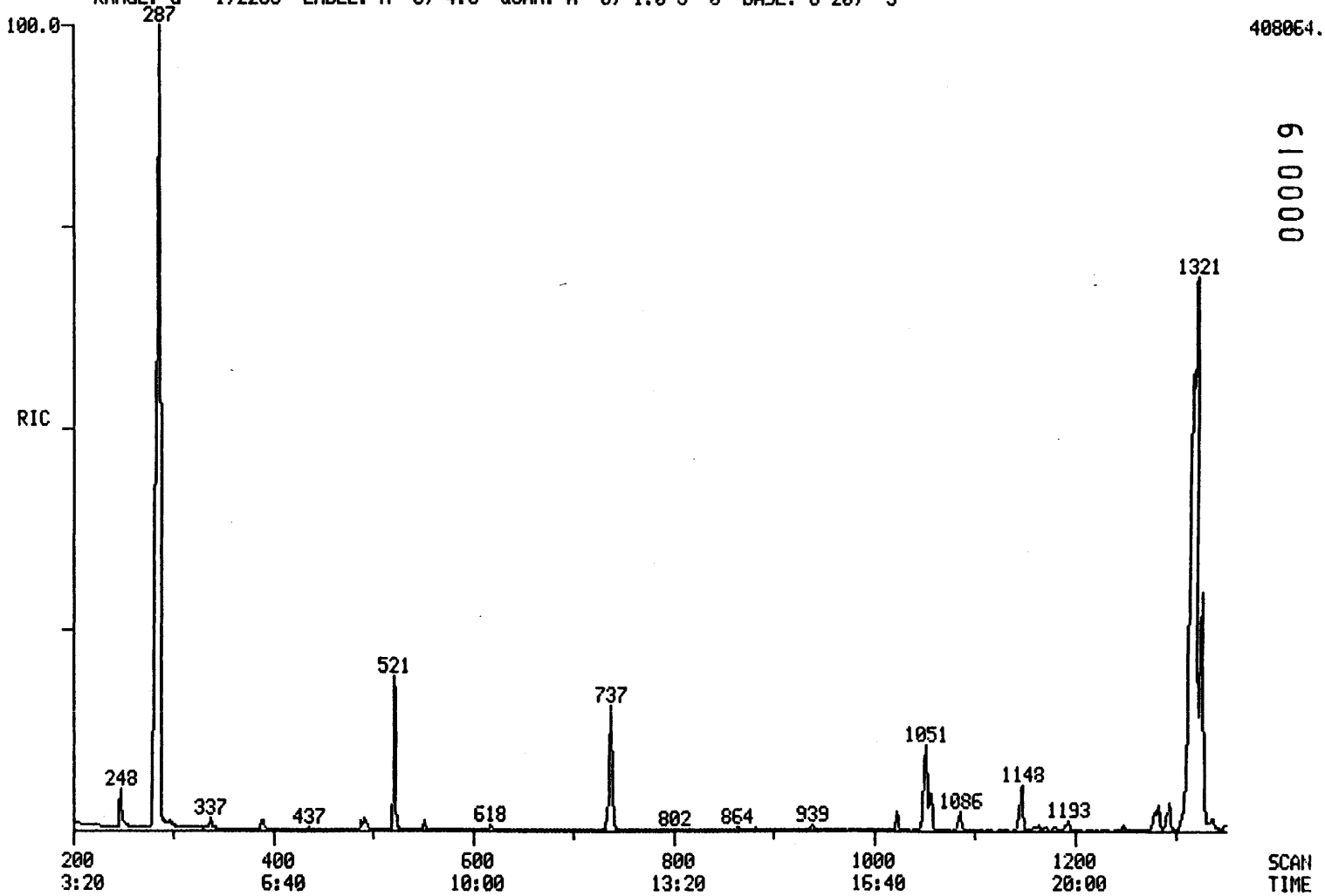
*SURROGATES WERE DILUTED OUT

011068

CHESTER LABNET DC # ---14

RIC
03/16/93 10:35:00
SAMPLE: SC-PW 1 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C02 #1 SCANS 200 TO 1350
CALI: 4U03101C02 #3



INST ID: 4530

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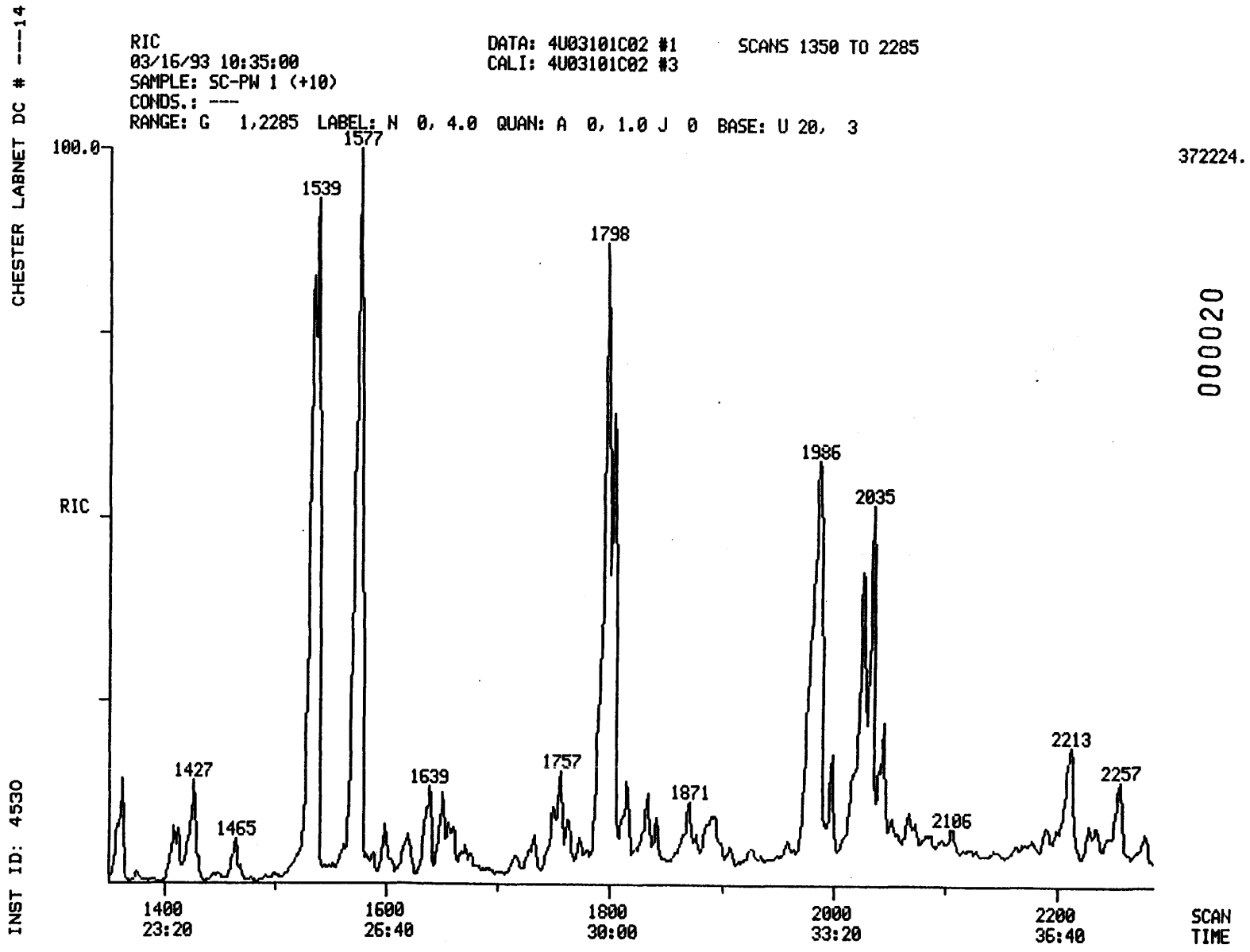

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011071

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 1 (+10)		
FILENAME	4U03101C02	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 10:35:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
531	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	3591
737	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	10883
1032	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	5431
1315	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	6033
1799	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	4479
2041	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	3392
740	C450	NAPHTHALENE	128	2 MG/KG	1.004	1820
1033	C540	ACENAPHTHYLENE	152	2 MG/KG	0.972	1666
1036	C550	ACENAPHTHENE	153	5 MG/KG	1.004	2232
1147	C590	FLUORENE	166	7 MG/KG	1.090	3425
1320	C640	PHENANTHRENE	178	155 MG/KG	1.004	79216
1337	C645	ANTHRACENE	178	40 MG/KG	1.009	20866
1539	C655	FLUORANTHENE	202	250 MG/KG	1.170	112378
1576	C715	PYRENE	202	193 MG/KG	0.876	89334
1798	C730	BENZO(A)ANTHRACENE	228	151 MG/KG	0.999	65971
1805	C740	CHRYSENE	228	65 MG/KG	1.003	26431
1983	C765	BENZO(B)FLUORANTHENE	252	86 MG/KG	0.972	31851
1986	C770	BENZO(K)FLUORANTHENE	252	99 MG/KG	0.973	41128
2035	C775	BENZO(A)PYRENE	252	73 MG/KG	0.997	24285
2212	C780	INDENO(1,2,3-CD)PYRENE	276	34 MG/KG	1.084	11201
2214	C785	DIBENZO(A,H)ANTHRACENE	278	16 MG/KG	1.085	3946
2237	C790	BENZO(GHI)PERYLENE	276	35 MG/KG	1.106	9142

*SURROGATES WERE DILUTED OUT

011071

011072

INST ID: 4530 SAMPLE NUMBER: SC-PW 1 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310103 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C03
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	33	170
C740	CHRYSENE	33	120
C765	BENZO(B)FLUORANTHENE	33	180
C770	BENZO(K)FLUORANTHENE	33	48
C775	BENZO(A)PYRENE	33	110
C780	INDENO(1,2,3-CD)PYRENE	33	78
C785	DIBENZO(A,H)ANTHRACENE	33	36

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011073

INST ID: 4530 SAMPLE NUMBER: SC-PW 1 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: KEYSTONE
LAB SAMPLE ID NO.: 920310103
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ...

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C03

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	33	1 J
C540	ACENAPHTHYLENE	33	3 J
C550	ACENAPHTHENE	33	4 J
C590	FLUORENE	33	4 J
C640	PHENANTHRENE	33	130
C645	ANTHRACENE	33	30
C655	FLUORANTHENE	33	300
C715	PYRENE	33	250
C730	BENZO(A)ANTHRACENE	33	170
C740	CHRYSENE	33	120
C765	BENZO(B)FLUORANTHENE	33	180
C770	BENZO(K)FLUORANTHENE	33	48
C775	BENZO(A)PYRENE	33	110
C780	INDENO(1,2,3-CD)PYRENE	33	78
C785	DIBENZO(A,H)ANTHRACENE	33	36
C790	BENZO(GHI)PERYLENE	33	73

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/16/93 11:22:00
SAMPLE: SC-PW 1 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C03 #1
CALI: 4U03101C03 #3

SCANS 200 TO 1350

132603.

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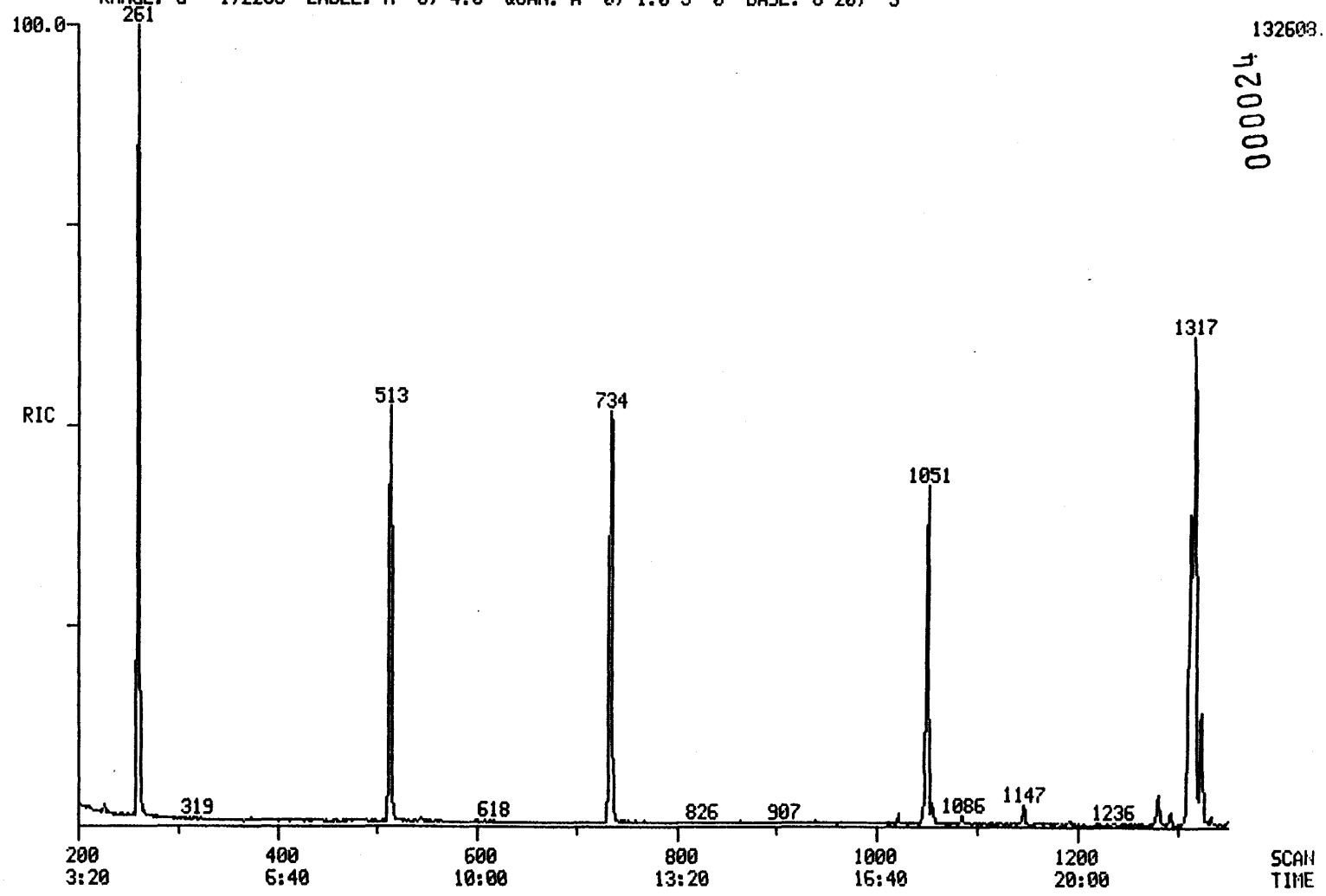
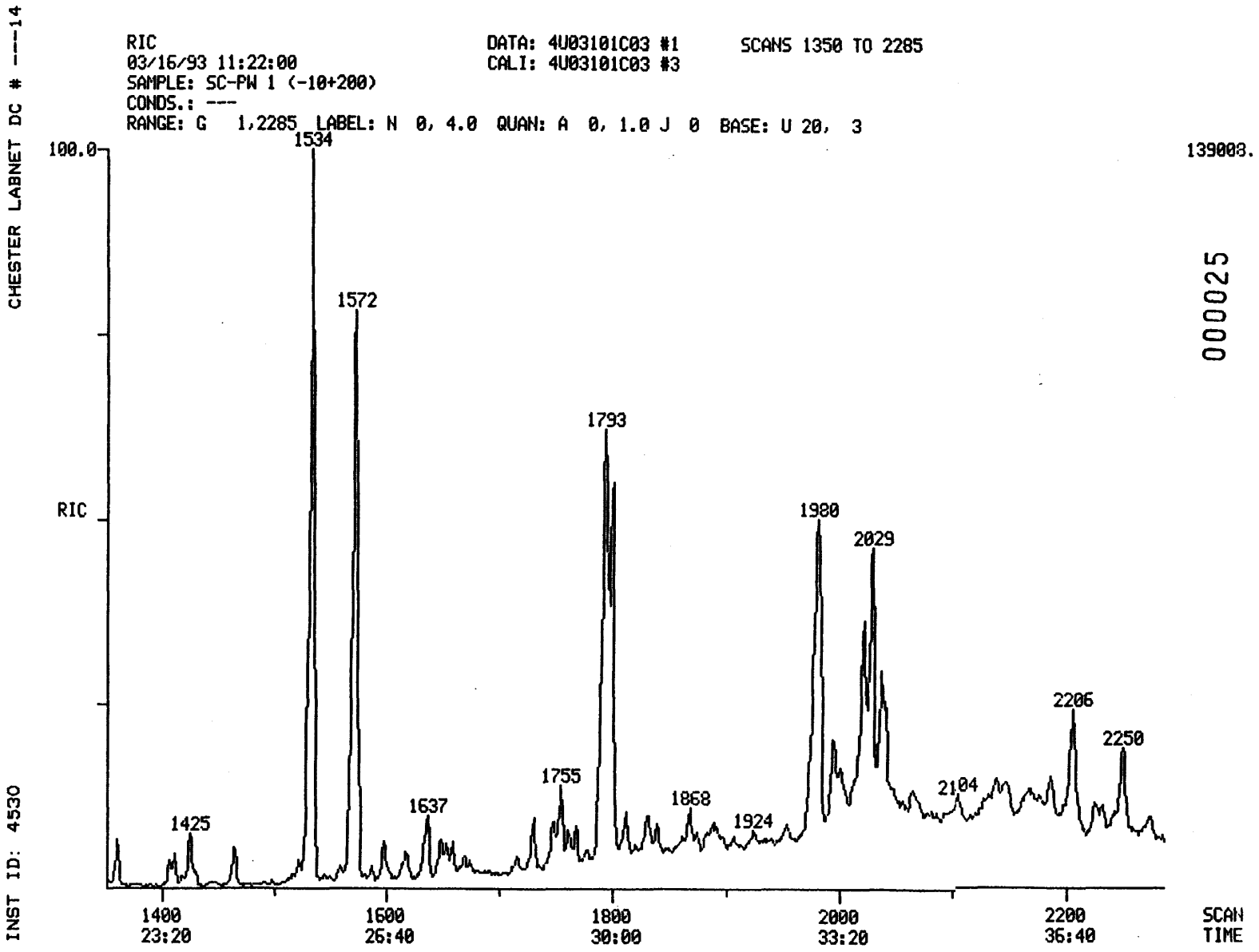


INST ID: 4530

011074



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011075

011076

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 1 (-10+200)		
FILENAME	4U03101C03	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 11:22:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	3.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	AREA
513	C:I30	1,4-DICHLOROBENZENE-D4 ** IS	152	66	MG/KG	1.000	3105
734	C:I40	NAPHTHALENE-D8 ** IS2 **	136	66	MG/KG	1.000	10539
1051	C:I50	ACENAPHTHENE-D10 ** IS3 **	164	66	MG/KG	1.000	5008
1313	C:I60	PHENANTHRENE-D10 ** IS4 **	188	66	MG/KG	1.000	5991
1775	C:I70	CHRYSENE-D12 ** IS5 **	240	66	MG/KG	1.000	4130
2037	C:I75	PERYLENE-D12 ** IS6 **	264	66	MG/KG	1.000	2805
738	C:450	NAPHTHALENE	128	1	MG/KG	1.005	195
1022	C:540	ACENAPHTHYLENE	152	2	MG/KG	0.972	260
1056	C:550	ACENAPHTHENE	153	4	MG/KG	1.005	295
1147	C:590	FLUORENE	166	4	MG/KG	1.091	361
1317	C:640	PHENANTHRENE	178	130	MG/KG	1.003	13348
1325	C:645	ANTHRACENE	178	30	MG/KG	1.009	3088
1534	C:655	FLUORANTHENE	202	301	MG/KG	1.168	27269
1571	C:715	PYRENE	202	250	MG/KG	0.875	21650
1793	C:730	BENZO(A)ANTHRACENE	228	170	MG/KG	0.999	13892
1800	C:740	CHRYSENE	228	123	MG/KG	1.003	9329
1979	C:765	BENZO(B)FLUORANTHENE	252	180	MG/KG	0.972	11288
1982	C:770	BENZO(K)FLUORANTHENE	252	48	MG/KG	0.973	3359
2029	C:775	BENZO(A)PYRENE	252	108	MG/KG	0.996	6029
2205	C:780	INDENO(1,2,3-CD)PYRENE	276	78	MG/KG	1.082	4262
2207	C:785	DIBENZO(A,H)ANTHRACENE	278	36	MG/KG	1.083	1484
2250	C:790	BENZO(GHI)PERYLENE	276	73	MG/KG	1.105	3187

*SURROGATES WERE DILUTED OUT

011077

INST ID: 4310 SAMPLE NUMBER: SC-PW 1 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310104
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C04
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	9 J
C740	CHRYSENE	10	9 J
C765	BENZO(B)FLUORANTHENE	10	13
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	8 J
C780	INDENO(1,2,3-CD)PYRENE	10	4 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011078

INST ID: 4310 SAMPLE NUMBER: SC-PW 1 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310104
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY:.....

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

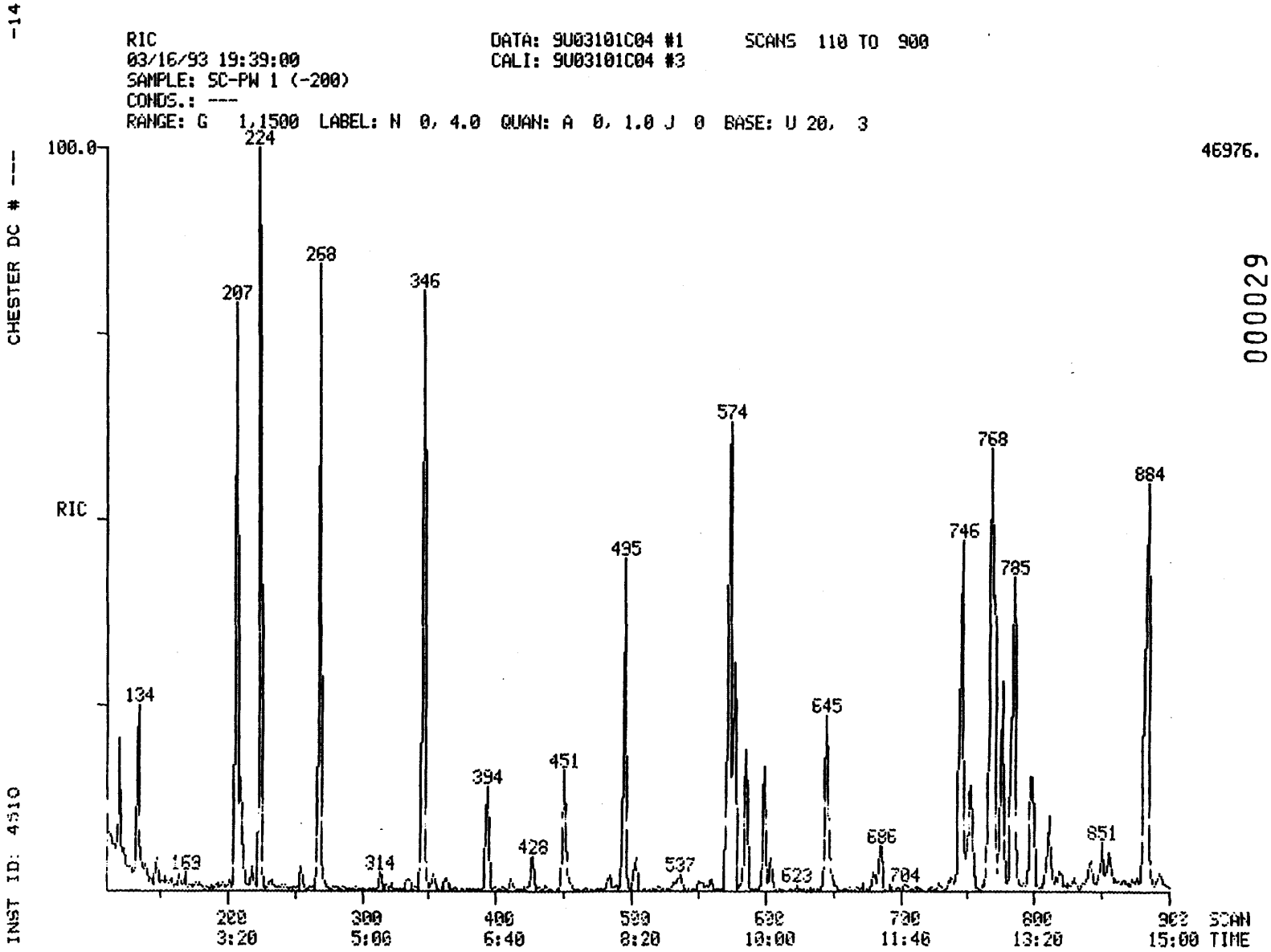
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C04
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	1 J
C540	ACENAPHTHYLENE	10 U	R
C550	ACENAPHTHENE	10	8 J
C590	FLUORENE	10	7 J
C640	PHENANTHRENE	10	14
C645	ANTHRACENE	10	7 J
C655	FLUORANTHENE	10	25
C715	PYRENE	10	22
C730	BENZO(A)ANTHRACENE	10	9 J
C740	CHRYSENE	10	9 J
C765	BENZO(B)FLUORANTHENE	10	13
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	8 J
C780	INDENO(1,2,3-CD)PYRENE	10	4 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R
C790	BENZO(GHI)PERYLENE	10	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



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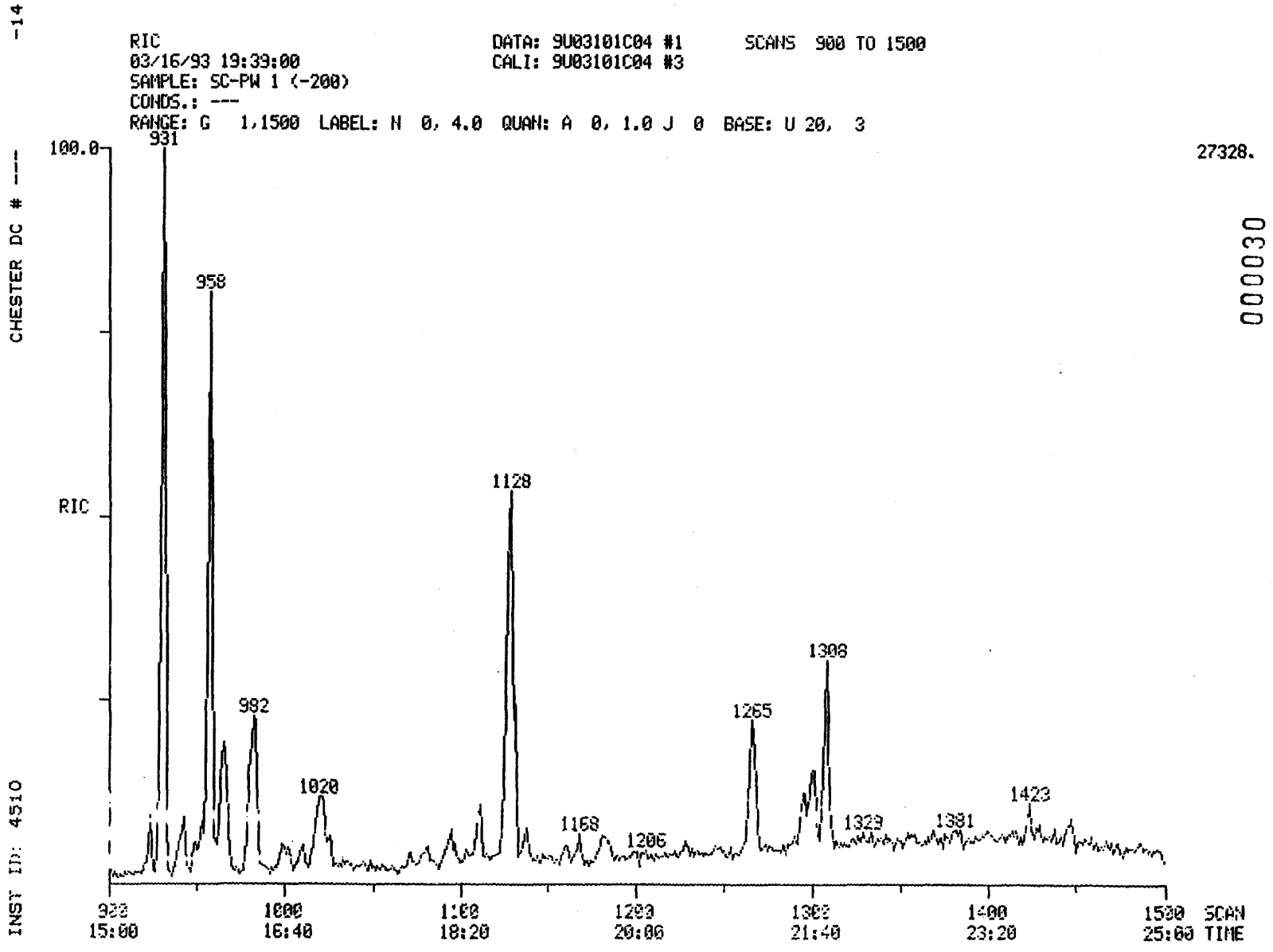

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011080

011081

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 1 (-200)

FILENAME 9U03101C04 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 19:39:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
207	C:I30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1078
346	C:I40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	4264
573	C:I50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	2287
768	C:I60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	3055
1128	C:I70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1419
1308	C:I75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	866
268	C:S20	NITROBENZENE-D5 ** SU3 **	82	81 %	0.775	2996
475	C:S25	2-FLUOROBIPHENYL ** SU4 **	172	32 %	0.864	2479
979	C:S30	TERPHENYL-D14 ** SU6 **	244	3 %	0.886	144
348	C:450	NAPHTHALENE	128	1 UG/L	1.006	216
577	C:550	ACENAPHTHENE	153	8 UG/L	1.007	1036
645	C:590	FLUORENE	166	7 UG/L	1.126	971
770	C:640	PHENANTHRENE	178	14 UG/L	1.003	2625
776	C:645	ANTHRACENE	178	7 UG/L	1.010	1403
931	C:655	FLUORANTHENE	202	25 UG/L	1.212	4072
958	C:715	PYRENE	202	22 UG/L	0.849	2910
1126	C:730	BENZO(A)ANTHRACENE	228	9 UG/L	0.998	913
1130	C:740	CHRYSENE	228	9 UG/L	1.002	732
1265	C:765	BENZO(B)FLUORANTHENE	252	13 UG/L	0.967	953
1300	C:775	BENZO(A)PYRENE	252	8 UG/L	0.994	399
1423	C:780	INDENO(1,2,3-CD)PYRENE	276	4 UG/L	1.088	138
1446	C:790	BENZO(GHI)PERYLENE	276	3 UG/L	1.106	118

011082

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310105 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C05A
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	67	290
C740	CHRYSENE	67	~~200~~ 220
C765	BENZO(B)FLUORANTHENE	67	~~280~~ 260
C770	BENZO(K)FLUORANTHENE	67	~~160~~ 130
C775	BENZO(A)PYRENE	67	~~210~~ 180
C780	INDENO(1,2,3-CD)PYRENE	67	~~160~~ 110
C785	DIBENZO(A,H)ANTHRACENE	67	~~67~~ 50

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011083

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: KEYSTONE
LAB SAMPLE ID NO.: 920310105
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
GC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

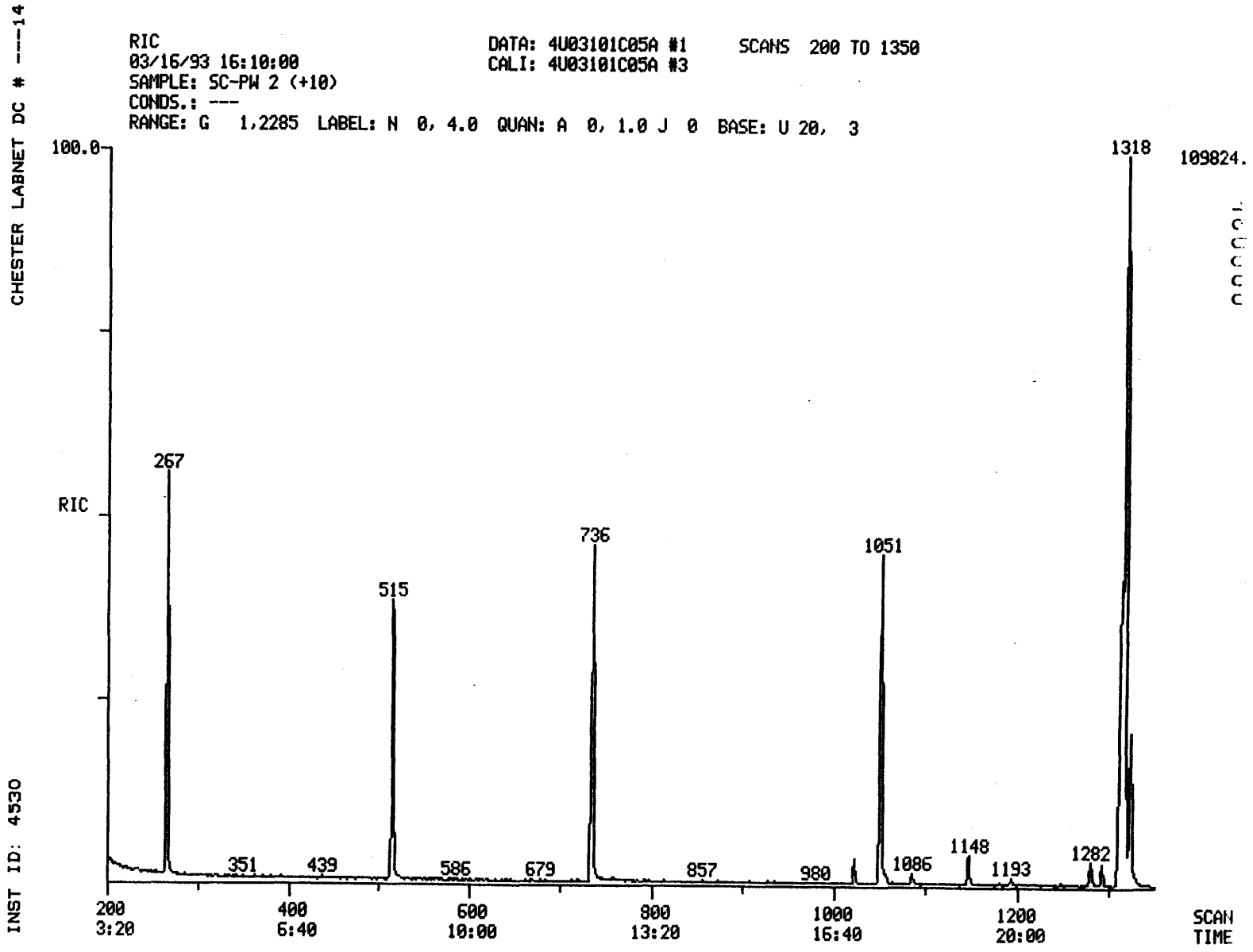
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C05A

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	67 U	
C540	ACENAPHTHYLENE	67	10 J
C550	ACENAPHTHENE	67 U	
C590	FLUORENE	67	14 J
C640	PHENANTHRENE	67	360
C645	ANTHRACENE	67	84
C655	FLUORANTHENE	67	640
C715	PYRENE	67	630
C730	BENZO(A)ANTHRACENE	67	290
C740	CHRYSENE	67	220
C765	BENZO(B)FLUORANTHENE	67	260
C770	BENZO(K)FLUORANTHENE	67	130
C775	BENZO(A)PYRENE	67	180
C780	INDENO(1,2,3-CD)PYRENE	67	110
C785	DIBENZO(A,H)ANTHRACENE	67	50
C790	BENZO(GHI)PERYLENE	67	130

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/16/93 16:10:00
SAMPLE: SC-PW 2 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C05A #1
CALI: 4U03101C05A #3
SCANS 200 TO 1350
100.0
RIC
109824.
267
351
439
515
586
679
736
857
980
1051
1086
1148
1193
1282
1318
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

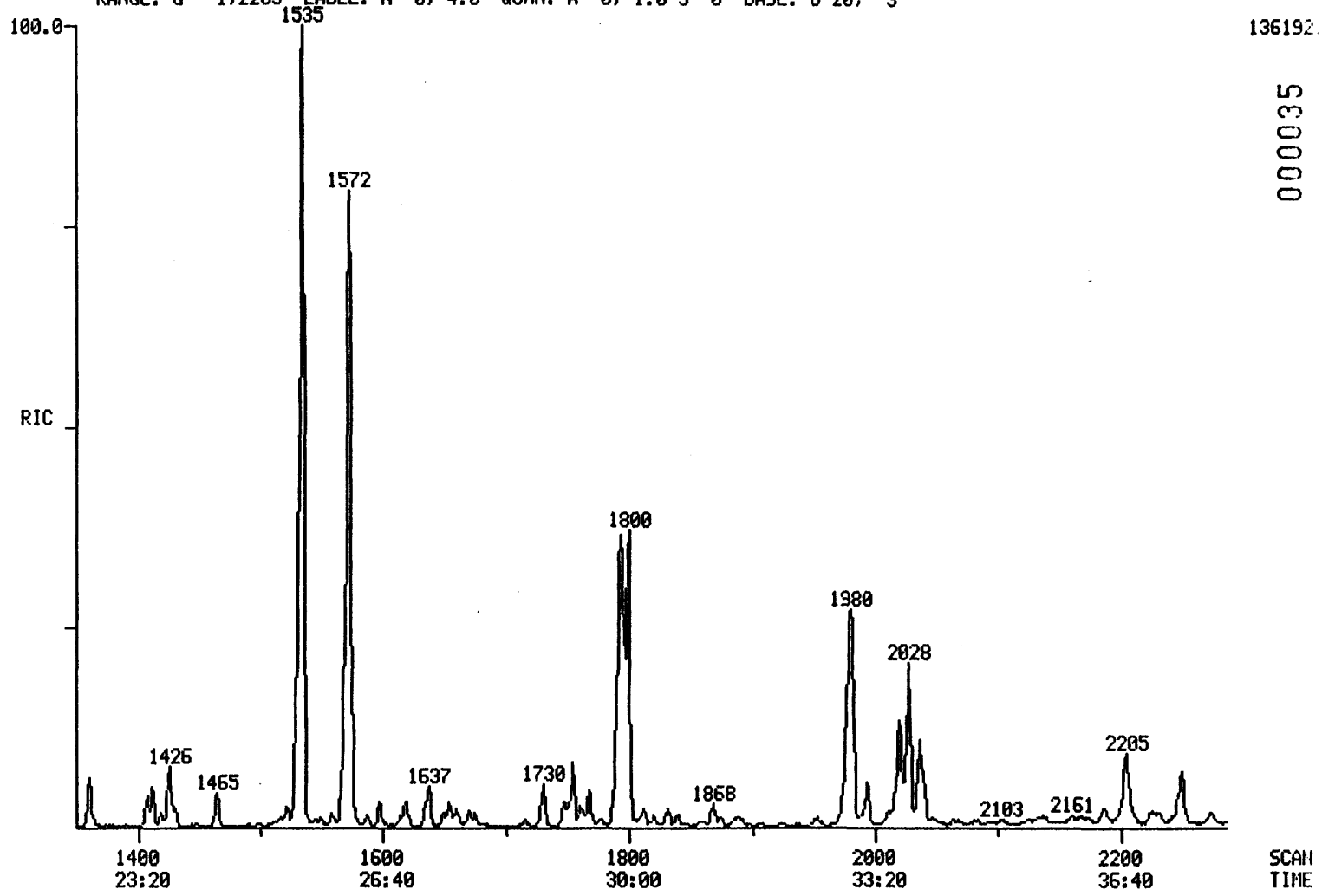
011084

CHESTER LABNET DC # ---14

RIC
03/16/93 16:10:00
SAMPLE: SC-PW 2 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C05A #1
CALI: 4U03101C05A #3

SCANS 1350 TO 2285



136192

000035

INST ID: 4530

011085

011085

011086

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 2 (+10)		
FILENAME	4U03101C05A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 16:10:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	AREA
515	C:I30	1,4-DICHLOROBENZENE-D4 ** IS	152	134	MG/KG	1.000	2188
736	C:I40	NAPHTHALENE-D8 ** IS2 **	136	134	MG/KG	1.000	7694
1052	C:I50	ACENAPHTHENE-D10 ** IS3 **	164	134	MG/KG	1.000	4543
1314	C:I60	PHENANTHRENE-D10 ** IS4 **	188	134	MG/KG	1.000	5373
1775	C:I70	CHRYSENE-D12 ** IS5 **	240	134	MG/KG	1.000	3064
2036	C:I75	PERYLENE-D12 ** IS6 **	264	134	MG/KG	1.000	1897
1022	C:540	ACENAPHTHYLENE	152	10	MG/KG	0.971	675
1148	C:590	FLUORENE	166	14	MG/KG	1.091	533
1318	C:640	PHENANTHRENE	178	358	MG/KG	1.003	16269
1325	C:645	ANTHRACENE	178	84	MG/KG	1.008	3859
1534	C:655	FLUORANTHENE	202	645	MG/KG	1.167	25842
1572	C:715	PYRENE	202	628	MG/KG	0.876	19862
1773	C:730	BENZO(A)ANTHRACENE	228	287	MG/KG	0.999	8583
1800	C:740	CHRYSENE	228	224	MG/KG	1.003	6200
1979	C:765	BENZO(B)FLUORANTHENE	252	261	MG/KG	0.972	5435
1981	C:770	BENZO(K)FLUORANTHENE	252	126	MG/KG	0.973	2934
2028	C:775	BENZO(A)PYRENE	252	182	MG/KG	0.996	3390
2205	C:780	INDENO(1,2,3-CD)PYRENE	276	113	MG/KG	1.083	2057
2207	C:785	DIBENZO(A,H)ANTHRACENE	278	51	MG/KG	1.084	715
2250	C:790	BENZO(GHI)PERYLENE	276	133	MG/KG	1.105	1936

*SURROGATES WERE DILUTED OUT

011086

011087

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310108 GC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C08
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	130	470
C740	CHRYSENE	130	350
C765	BENZO(B)FLUORANTHENE	130	430
C770	BENZO(K)FLUORANTHENE	130	190
C775	BENZO(A)PYRENE	130	300
C780	INDENO(1,2,3-CD)PYRENE	130	210
C785	DIBENZO(A,H)ANTHRACENE	130	93 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011088

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310108 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C08
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	130 U	
C540	ACENAPHTHYLENE	130	16 J
C550	ACENAPHTHENE	130 U	
C590	FLUORENE	130	25 J
C640	PHENANTHRENE	130	620
C645	ANTHRACENE	130	160
C655	FLUORANTHENE	130	800
C715	PYRENE	130	910
C730	BENZO(A)ANTHRACENE	130	470
C740	CHRYSENE	130	350
C765	BENZO(B)FLUORANTHENE	130	430
C770	BENZO(K)FLUORANTHENE	130	190
C775	BENZO(A)PYRENE	130	300
C780	INDENO(1,2,3-CD)PYRENE	130	210
C785	DIBENZO(A,H)ANTHRACENE	130	93 J
C790	BENZO(GHI)PERYLENE	130	230

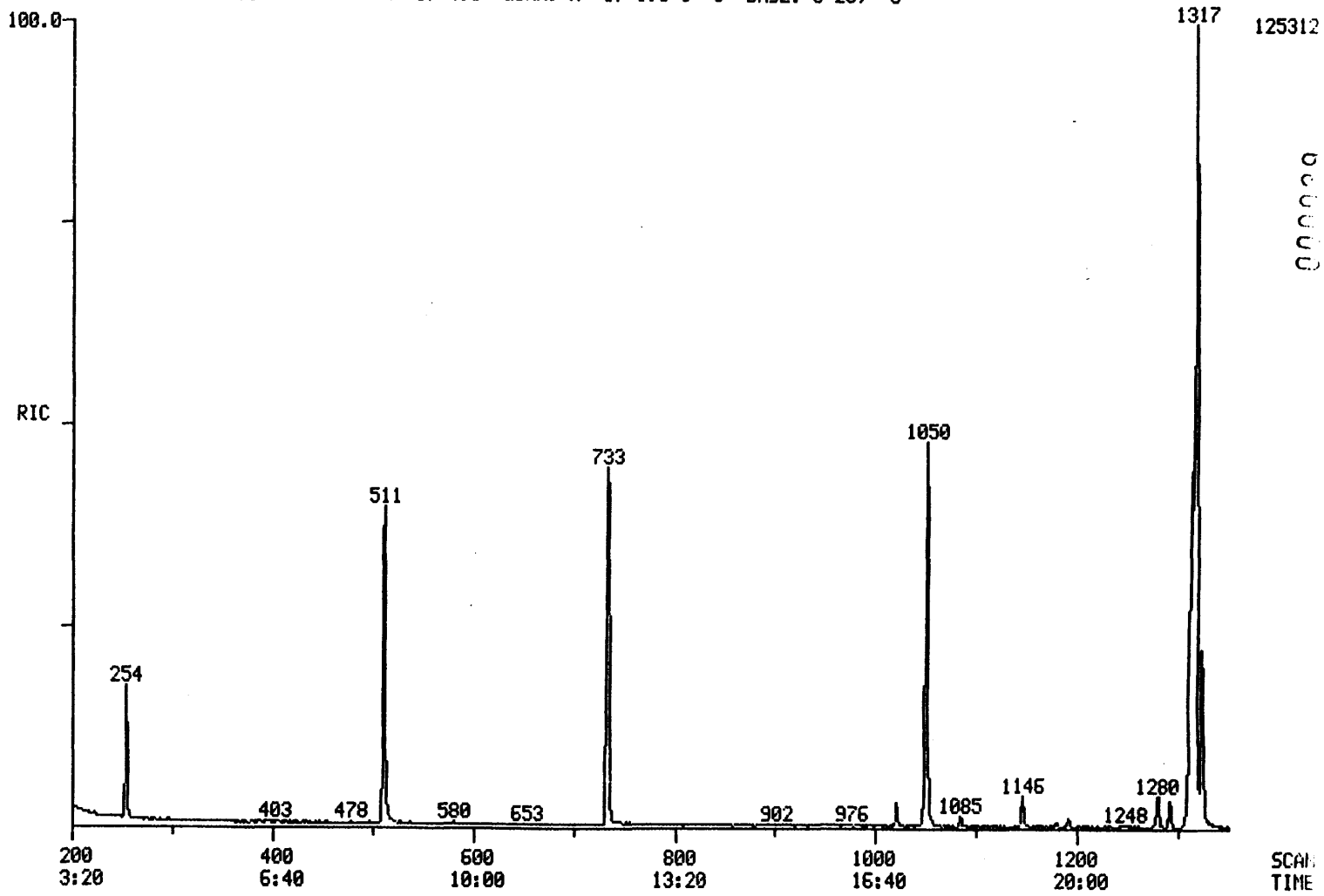
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/16/93 15:22:00
SAMPLE: SC-PW 2 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C08 #1
CALI: 4U03101C08 #3

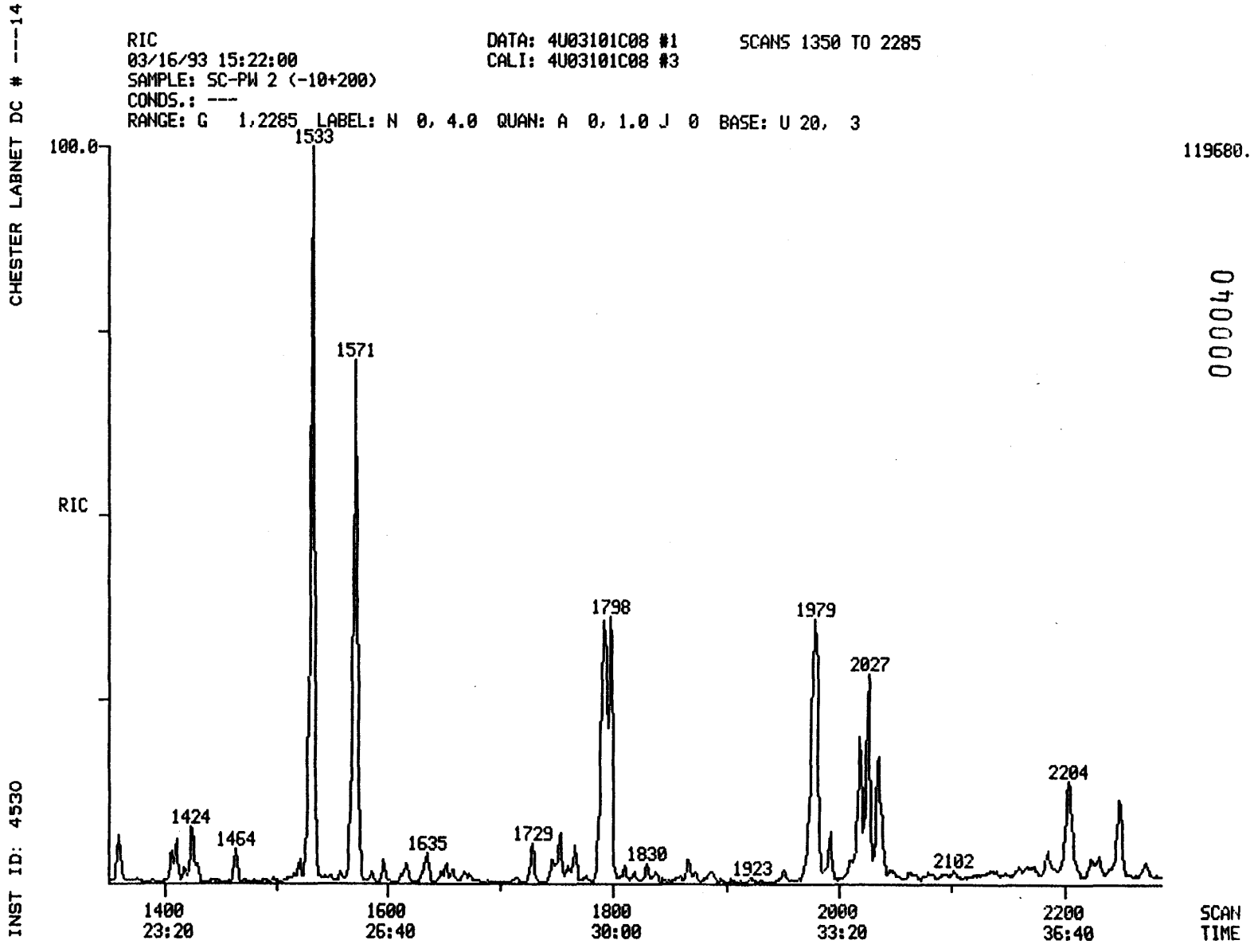
SCANS 200 TO 1350



INST ID: 4530

011089

011089



040000

011090

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011091

SAMPLE ID.	SC-PW 2 (-10+200)		
FILENAME	4U03101C08	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 15:22:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	13.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	AR
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	260	MG/KG	1.000	27
733	CI40	NAPHTHALENE-D8 ** IS2 **	136	260	MG/KG	1.000	82
1050	CI50	ACENAPHTHENE-D10 ** IS3 **	164	260	MG/KG	1.000	53
1313	CI60	PHENANTHRENE-D10 ** IS4 **	188	260	MG/KG	1.000	68
1794	CI70	CHRYSENE-D12 ** IS5 **	240	260	MG/KG	1.000	30
2036	CI75	PERYLENE-D12 ** IS6 **	264	260	MG/KG	1.000	28
1021	C540	ACENAPHTHYLENE	152	16	MG/KG	0.972	6
1146	C590	FLUORENE	166	25	MG/KG	1.091	5
1317	C640	PHENANTHRENE	178	625	MG/KG	1.003	186
1324	C645	ANTHRACENE	178	160	MG/KG	1.008	48
1533	C655	FLUORANTHENE	202	803	MG/KG	1.168	211
1571	C715	PYRENE	202	908	MG/KG	0.876	148
1791	C730	BENZO(A)ANTHRACENE	228	467	MG/KG	0.998	72
1798	C740	CHRYSENE	228	353	MG/KG	1.002	50
1978	C765	BENZO(B)FLUORANTHENE	252	427	MG/KG	0.972	68
1980	C770	BENZO(K)FLUORANTHENE	252	193	MG/KG	0.972	34
2027	C775	BENZO(A)PYRENE	252	301	MG/KG	0.996	43
2204	C780	INDENO(1,2,3-CD)PYRENE	276	208	MG/KG	1.083	29
2207	C785	DIBENZO(A,H)ANTHRACENE	278	93	MG/KG	1.084	9
2249	C790	BENZO(GHI)PERYLENE	276	230	MG/KG	1.105	25

*surrogates were diluted out

011092

INST ID: 4510 SAMPLE NUMBER: SC-PW 2 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310111
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: ..AB....

CASE NO.: ---
GC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: ..3/11/93.....

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: ..3/11/93.....
DATE ANALYZED: 03/17/93

DATAFILE: 9U03101C11

DILUTION FACTOR: ...10.....

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	100	450
C740	CHRYSENE	100	420
C765	BENZO(B)FLUORANTHENE	100	600
C770	BENZO(K)FLUORANTHENE	100 U	R
C775	BENZO(A)PYRENE	100	370
C780	INDENO(1,2,3-CD)PYRENE	100	290
C785	DIBENZO(A,H)ANTHRACENE	100	110

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011093

INST ID: 4510 SAMPLE NUMBER: SC-PW 2 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310111 GC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C11
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/17/93 DILUTION FACTOR: 10

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	100	18 J
C540	ACENAPHTHYLENE	100	15 J
C550	ACENAPHTHENE	100	150
C590	FLUORENE	100	210
C640	PHENANTHRENE	100	950
C645	ANTHRACENE	100	240
C655	FLUORANTHENE	100	930
C715	PYRENE	100	840
C730	BENZO(A)ANTHRACENE	100	450
C740	CHRYSENE	100	420
C765	BENZO(B)FLUORANTHENE	100	600
C770	BENZO(K)FLUORANTHENE	100 U	R
C775	BENZO(A)PYRENE	100	370
C780	INDENO(1,2,3-CD)PYRENE	100	290
C785	DIBENZO(A,H)ANTHRACENE	100	110
C790	BENZO(GHI)PERYLENE	100	270

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

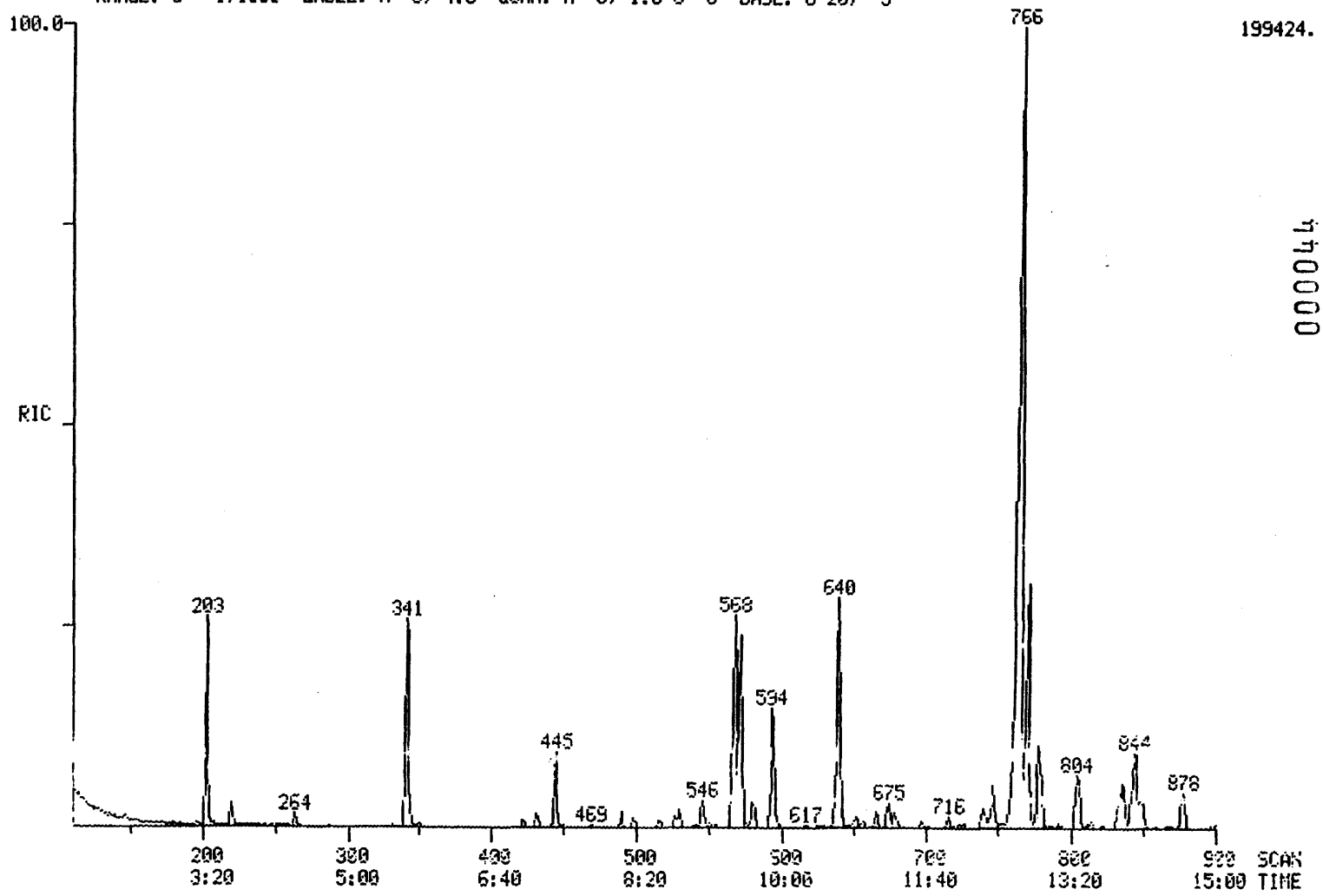
-14

CHESTER DC # ---

INST ID: 4310

RIC
03/17/93 13:44:00
SAMPLE: SC-PW 2 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C11 #1 SCANS 110 TO 900
CALI: 9U03101C11 #3



000044

011094

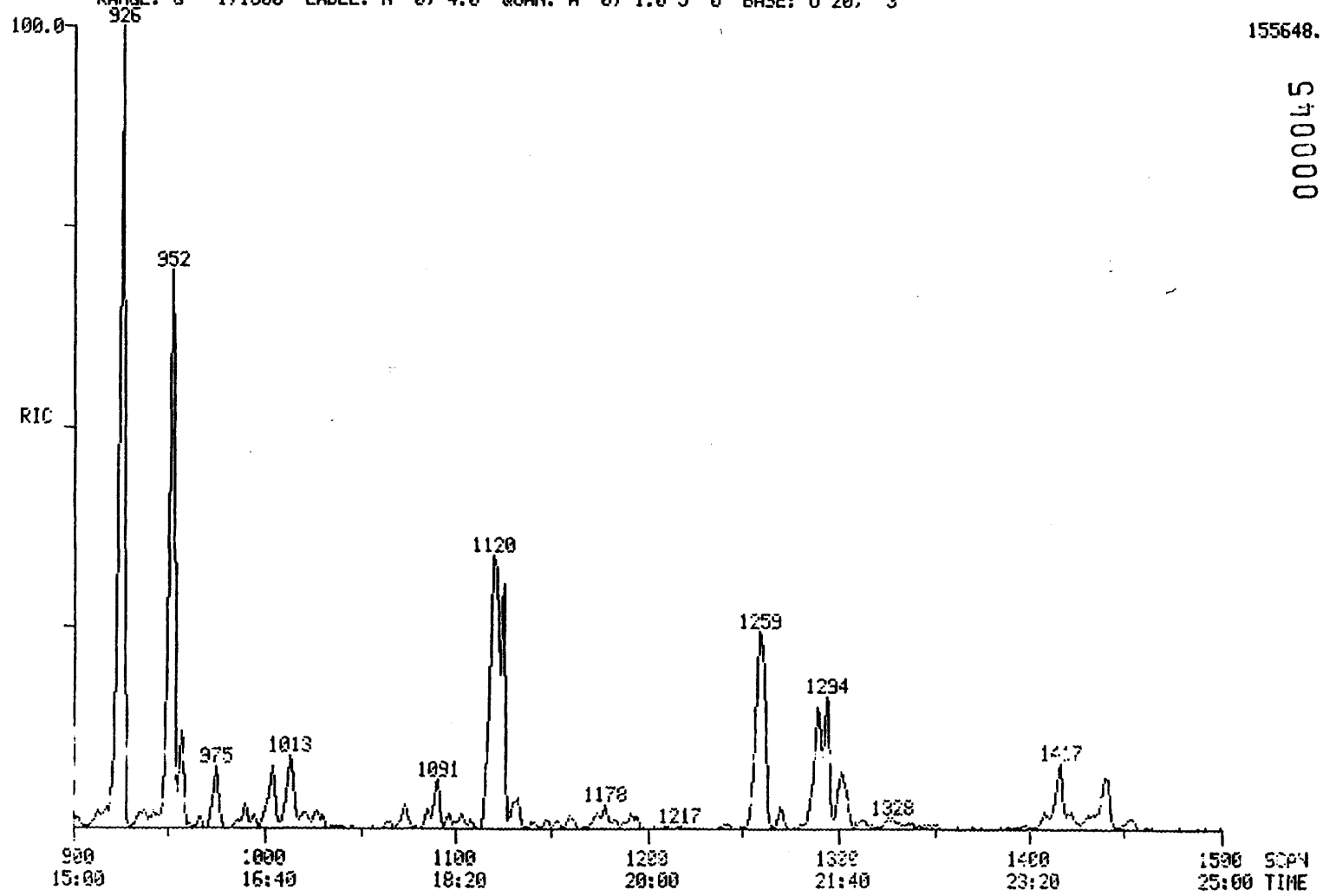
-14

CHESTER DC # ---

INST ID: 4510

RIC
03/17/93 13:44:00
SAMPLE: SC-PW 2 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C11 #1 SCANS 900 TO 1500
CALI: 9U03101C11 #3



155648.

000045

011095

011096

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-FW 2 (-200)

FILENAME 9U03101C11 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/17/93 13:44:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 10.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
203	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	200 UG/L	1.000	1650
341	CI40	NAPHTHALENE-D8 ** IS2 **	136	200 UG/L	1.000	6525
568	CI50	ACENAPHTHENE-D10 ** IS3 **	164	200 UG/L	1.000	3586
762	CI60	PHENANTHRENE-D10 ** IS4 **	188	200 UG/L	1.000	4934
1121	CI70	CHRYSENE-D12 ** IS5 **	240	200 UG/L	1.000	1999
1301	CI75	PERYLENE-D12 ** IS6 **	264	200 UG/L	1.000	1277
343	C450	NAPHTHALENE	128	18 UG/L	1.006	657
546	C540	ACENAPHTHYLENE	152	15 UG/L	0.961	547
572	C550	ACENAPHTHENE	153	153 UG/L	1.007	2967
640	C590	FLUORENE	166	207 UG/L	1.127	4886
766	C640	PHENANTHRENE	178	946 UG/L	1.005	27008
771	C645	ANTHRACENE	178	243 UG/L	1.012	7312
926	C655	FLUORANTHENE	202	927 UG/L	1.215	22349
952	C715	PYRENE	202	842 UG/L	0.849	16907
1120	C730	BENZO(A)ANTHRACENE	228	451 UG/L	0.999	6741
1125	C740	CHRYSENE	228	419 UG/L	1.004	4512
1259	C765	BENZO(B)FLUORANTHENE	252	596 UG/L	0.968	6667
1294	C775	BENZO(A)PYRENE	252	365 UG/L	0.995	2847
1416	C780	INDENO(1,2,3-CD)PYRENE	276	289 UG/L	1.088	1587
1421	C785	DIBENZO(A,H)ANTHRACENE	278	111 UG/L	1.092	595
1440	C790	BENZO(GHI)PERYLENE	276	269 UG/L	1.107	1511

*SURROGATES WERE DILUTED OUT

011097

INST ID: 4530 SAMPLE NUMBER: SC-PW 3 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310114 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C14
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	67	130
C740	CHRYSENE	67	110
C765	BENZO(B)FLUORANTHENE	67	120
C770	BENZO(K)FLUORANTHENE	67	47 J
C775	BENZO(A)PYRENE	67	78
C780	INDENO(1,2,3-CD)PYRENE	67	50 J
C785	DIBENZO(A,H)ANTHRACENE	67	18 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011098

INST ID: 4530 SAMPLE NUMBER: SC-PW 3 (+10)

ORGANICS ANALYSIS DATA SHEET -

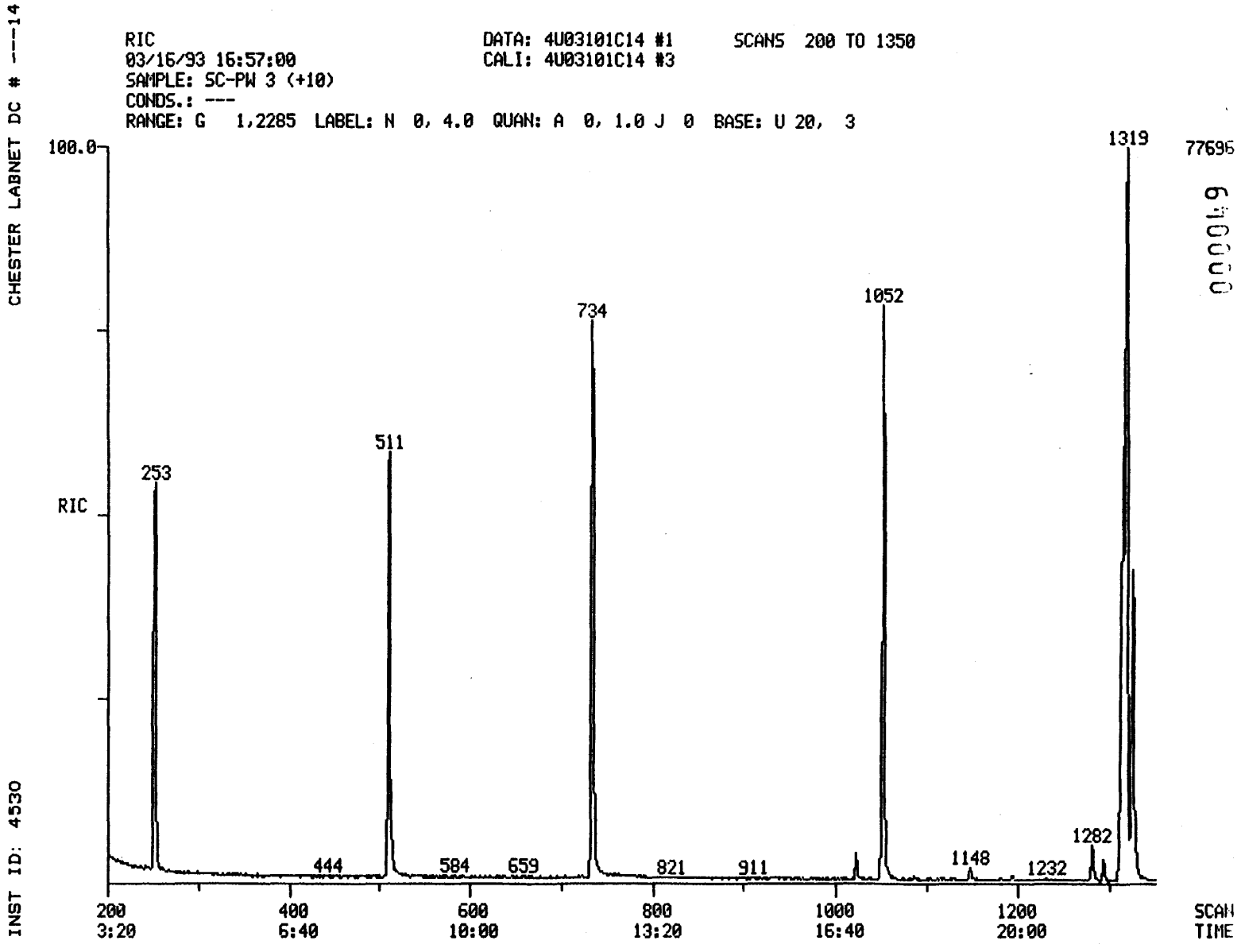
LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310114 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C14
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	67 U	
C540	ACENAPHTHYLENE	67	7 J
C550	ACENAPHTHENE	67 U	
C590	FLUORENE	67 U	
C640	PHENANTHRENE	67	200
C645	ANTHRACENE	67	95
C655	FLUORANTHENE	67 U	
C715	PYRENE	67	310
C730	BENZO(A)ANTHRACENE	67	130
C740	CHRYSENE	67	110
C765	BENZO(B)FLUORANTHENE	67	120
C770	BENZO(K)FLUORANTHENE	67	47 J
C775	BENZO(A)PYRENE	67	78
C780	INDENO(1,2,3-CD)PYRENE	67	50 J
C785	DIBENZO(A,H)ANTHRACENE	67	18 J
C790	BENZO(GHI)PERYLENE	67	58 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/16/93 16:57:00
SAMPLE: SC-PW 3 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C14 #1
CALI: 4U03101C14 #3
SCANS 200 TO 1350
100.0
RIC
253
444
511
584
659
734
821
911
1052
1148
1232
1282
1319
77696
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

011099

CHESTER LABNET DC # ---14

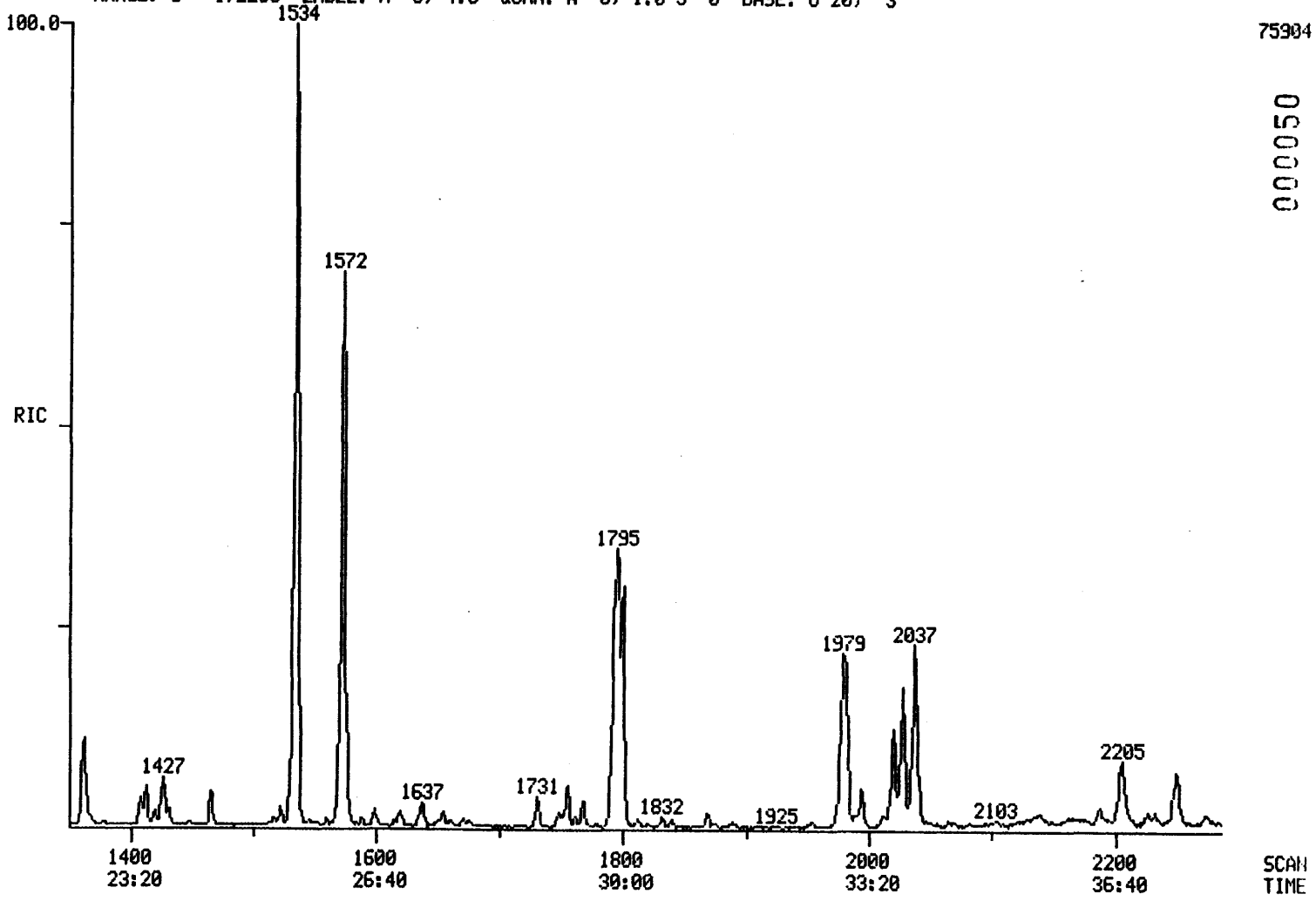
RIC
03/16/93 16:57:00
SAMPLE: SC-PW 3 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C14 #1
CALI: 4U03101C14 #3

SCANS 1350 TO 2285

75904

000050



INST ID: 4530

011100

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011101

SAMPLE ID.	SC-PW 3 (+10)		
FILENAME	4U03101C14	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 16:57:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	134	MG/KG	1.000	27
734	CI40	NAPHTHALENE-D8 ** IS2 **	136	134	MG/KG	1.000	87
1052	CI50	ACENAPHTHENE-D10 ** IS3 **	164	134	MG/KG	1.000	49
1314	CI60	PHENANTHRENE-D10 ** IS4 **	188	134	MG/KG	1.000	68
1796	CI70	CHRYSENE-D12 ** IS5 **	240	134	MG/KG	1.000	27
2037	CI75	PERYLENE-D12 ** IS6 **	264	134	MG/KG	1.000	24
1023	C540	ACENAPHTHYLENE	152	7	MG/KG	0.972	4
1319	C640	PHENANTHRENE	178	200	MG/KG	1.004	116
1326	C645	ANTHRACENE	178	95	MG/KG	1.009	56
1572	C715	PYRENE	202	306	MG/KG	0.875	85
1793	C730	BENZO(A)ANTHRACENE	228	126	MG/KG	0.998	33
1800	C740	CHRYSENE	228	113	MG/KG	1.002	27
1980	C765	BENZO(B)FLUORANTHENE	252	117	MG/KG	0.972	31
1981	C770	BENZO(K)FLUORANTHENE	252	47	MG/KG	0.973	14
2028	C775	BENZO(A)PYRENE	252	78	MG/KG	0.996	18
2205	C780	INDENO(1,2,3-CD)PYRENE	276	50	MG/KG	1.082	11
2207	C785	DIBENZO(A,H)ANTHRACENE	278	18	MG/KG	1.083	3
2249	C790	BENZO(GHI)PERYLENE	276	58	MG/KG	1.104	10

*SURROGATES WERE DILUTED OUT

011102

INST ID: 4530 SAMPLE NUMBER: SC-PW 3 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310115 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW 03/12/93 DATAFILE: 4U03101C15
DATE EXTRACTED: .....
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	100	320
C740	CHRYSENE	100	260
C765	BENZO(B)FLUORANTHENE	100	450
C770	BENZO(K)FLUORANTHENE	100	100
C775	BENZO(A)PYRENE	100	210
C780	INDENO(1,2,3-CD)PYRENE	100	140
C785	DIBENZO(A,H)ANTHRACENE	100	46 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011103

INST ID: 4530 SAMPLE NUMBER: SC-PW 3 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310115 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C15
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	100 U	
C540	ACENAPHTHYLENE	100	16 J
C550	ACENAPHTHENE	100 U	
C590	FLUORENE	100	9 J
C640	PHENANTHRENE	100	530
C645	ANTHRACENE	100	250
C655	FLUORANTHENE	100	740
C715	PYRENE	100	660
C730	BENZO(A)ANTHRACENE	100	320
C740	CHRYSENE	100	260
C765	BENZO(B)FLUORANTHENE	100	450
C770	BENZO(K)FLUORANTHENE	100	100
C775	BENZO(A)PYRENE	100	210
C780	INDENO(1,2,3-CD)PYRENE	100	140
C785	DIBENZO(A,H)ANTHRACENE	100	46 J
C790	BENZO(GHI)PERYLENE	100	160

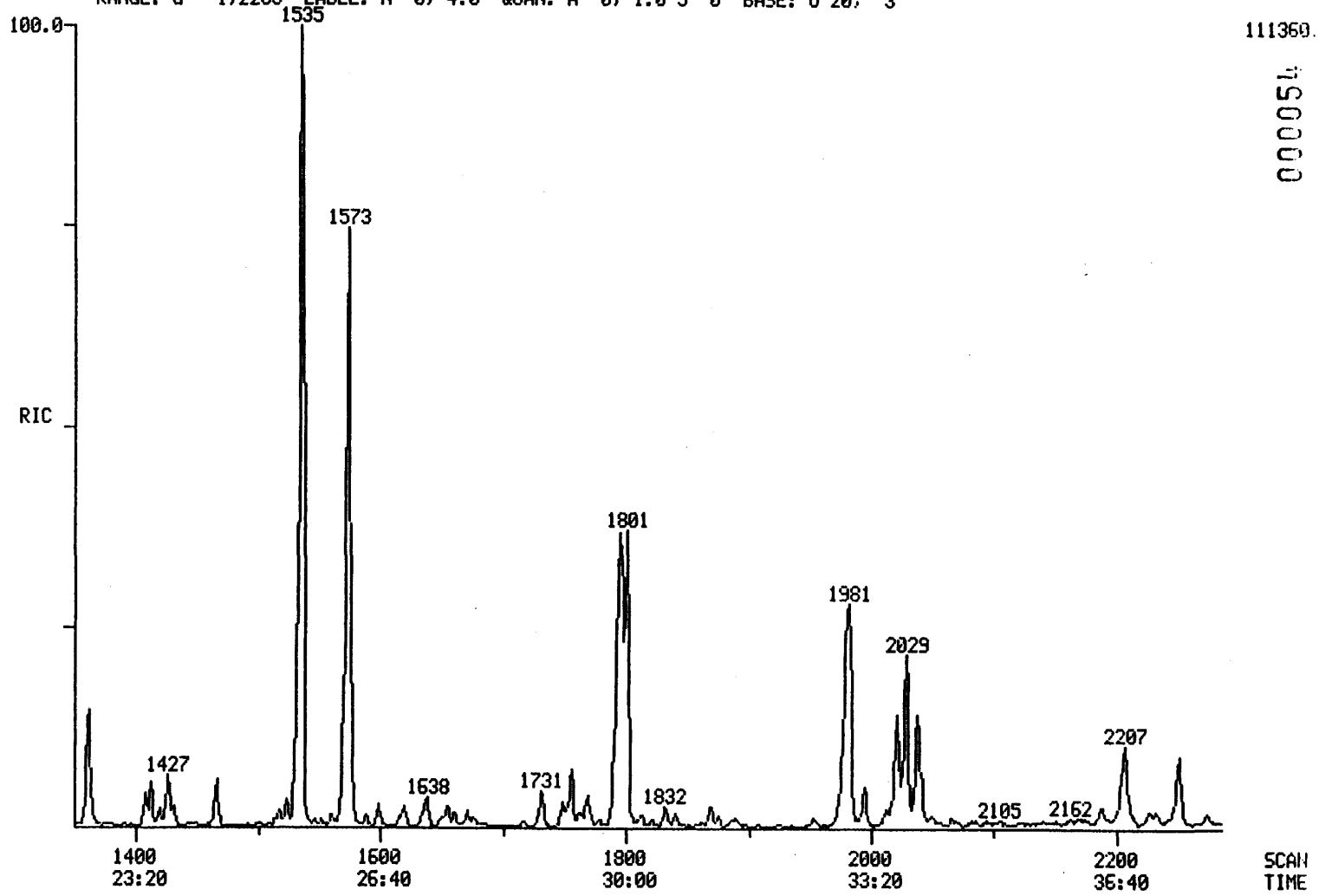
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/16/93 17:44:00
SAMPLE: SC-PW 3 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C15 #1
CALI: 4U03101C15 #3

SCANS 1350 TO 2285



111360.

150000

INST ID: 4530

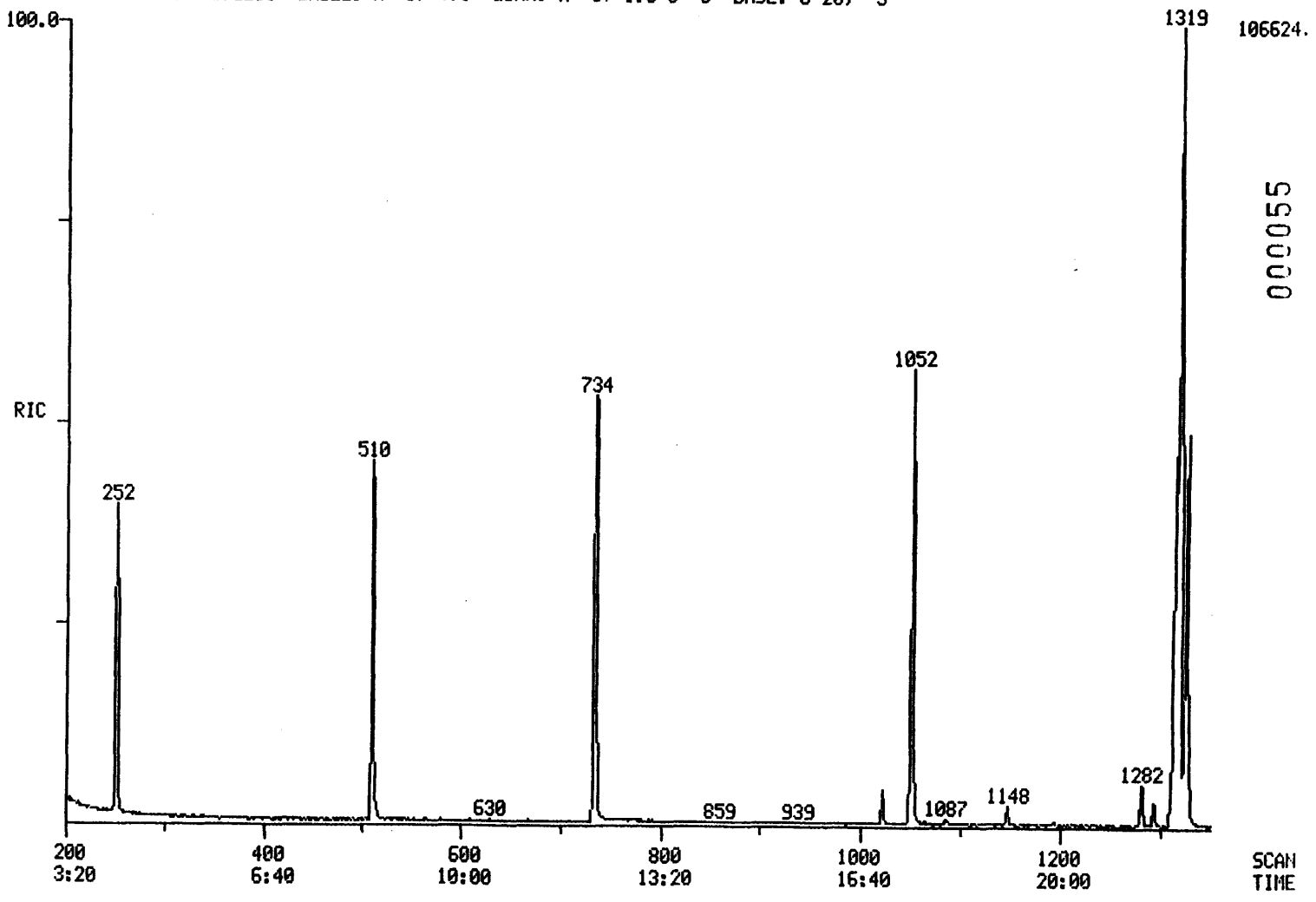
011104

CHESTER LABNET DC # ---14

RIC
03/16/93 17:44:00
SAMPLE: SC-PW 3 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C15 #1
CALI: 4U03101C15 #3

SCANS 200 TO 1350



INST ID: 4530

000055

011105

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011106

SAMPLE ID.	SC-PW 3 (-10+200)		
FILENAME	4U03101C15	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 17:44:00	VERIFIED BY	SL
CALIB STD DATE	03/11/93	CORR. FACTOR	10.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
510	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	200 MG/KG	1.000	251
734	CI40	NAPHTHALENE-D8 ** IS2 **	136	200 MG/KG	1.000	904
1052	CI50	ACENAPHTHENE-D10 ** IS3 **	164	200 MG/KG	1.000	530
1315	CI60	PHENANTHRENE-D10 ** IS4 **	188	200 MG/KG	1.000	548
1796	CI70	CHRYSENE-D12 ** IS5 **	240	200 MG/KG	1.000	329
2038	CI75	PERYLENE-D12 ** IS6 **	264	200 MG/KG	1.000	200
1023	C540	ACENAPHTHYLENE	152	16 MG/KG	0.972	85
1148	C590	FLUORENE	166	9 MG/KG	1.091	27
1319	C640	PHENANTHRENE	178	526 MG/KG	1.003	1633
1327	C645	ANTHRACENE	178	254 MG/KG	1.009	800
1535	C655	FLUORANTHENE	202	744 MG/KG	1.167	2038
1573	C715	PYRENE	202	661 MG/KG	0.876	1506
1794	C730	BENZO(A)ANTHRACENE	228	323 MG/KG	0.999	696
1801	C740	CHRYSENE	228	260 MG/KG	1.003	519
1980	C765	BENZO(B)FLUORANTHENE	252	450 MG/KG	0.972	663
1983	C770	BENZO(K)FLUORANTHENE	252	103 MG/KG	0.973	169
2029	C775	BENZO(A)PYRENE	252	214 MG/KG	0.996	282
2206	C780	INDENO(1,2,3-CD)PYRENE	276	144 MG/KG	1.082	186
2209	C785	DIBENZO(A,H)ANTHRACENE	278	46 MG/KG	1.084	45
2251	C790	BENZO(GHI)PERYLENE	276	163 MG/KG	1.105	168

*SURROGATES WERE DILUTED OUT

011107

INST ID: 4010 SAMPLE NUMBER: SC-PW 3 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310116 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ...RB... DATE SAMPLE RECEIVED: ..3/11/93....

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C16
DATE EXTRACTED: ..3/11/93.....
DATE ANALYZED: 03/16/93 DILUTION FACTOR: ....1.....

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	27
C740	CHRYSENE	10	24
C765	BENZO(B)FLUORANTHENE	10	28
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	18
C780	INDENO(1,2,3-CD)PYRENE	10	11
C785	DIBENZO(A,H)ANTHRACENE	10	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011108

INST ID: 4510 SAMPLE NUMBER: SC-PW 3 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310116 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C16
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	15
C540	ACENAPHTHYLENE	10	8 J
C550	ACENAPHTHENE	10	76
C590	FLUORENE	10	95
C640	PHENANTHRENE	10	240
C645	ANTHRACENE	10	110
C655	FLUORANTHENE	10	93
C715	PYRENE	10	81
C730	BENZO(A)ANTHRACENE	10	27
C740	CHRYSENE	10	24
C765	BENZO(B)FLUORANTHENE	10	28
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	18
C780	INDENO(1,2,3-CD)PYRENE	10	11
C785	DIBENZO(A,H)ANTHRACENE	10	3 J
C790	BENZO(GHI)PERYLENE	10	8 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

-14

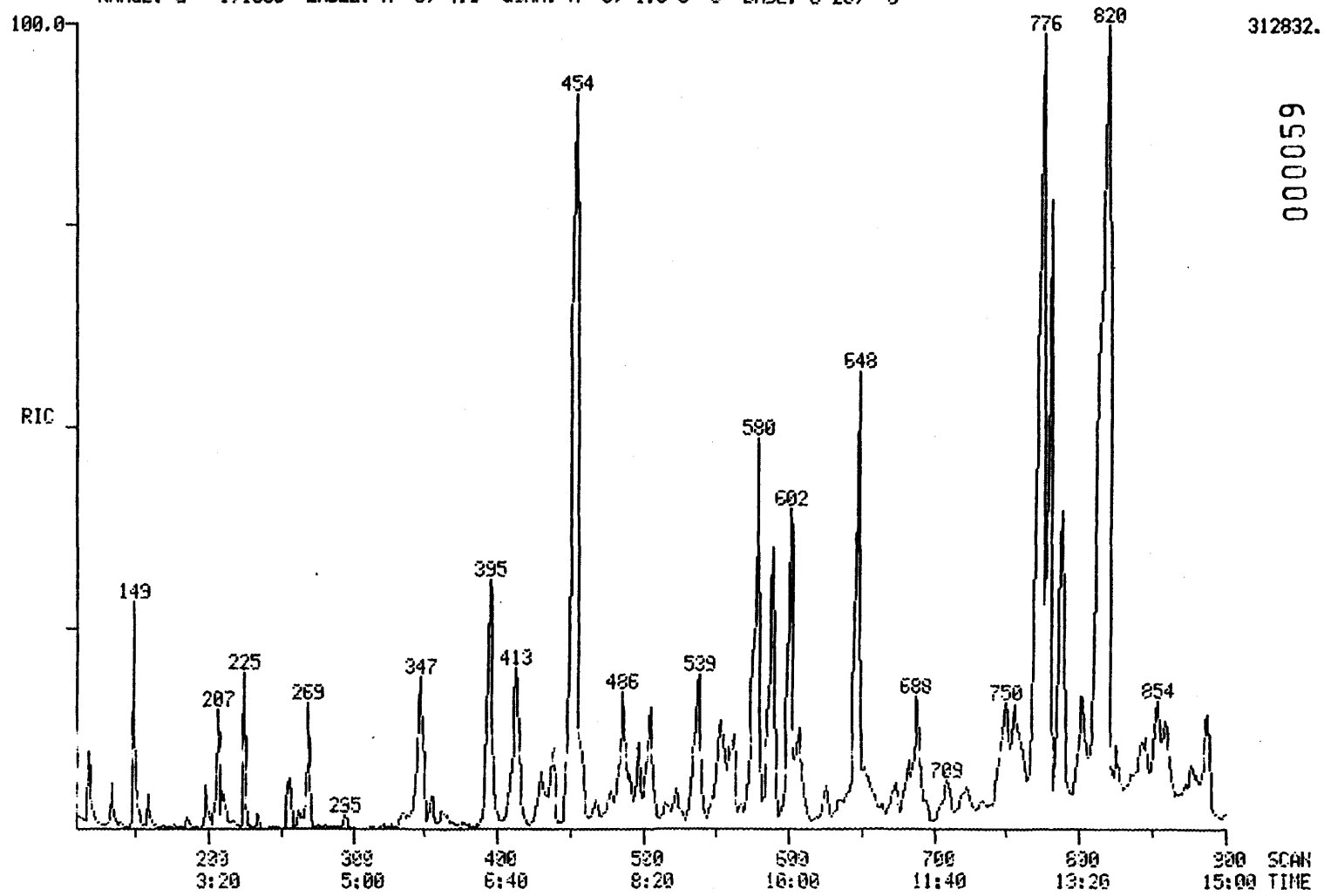
RIC
03/16/93 20:49:00
SAMPLE: SC-PW 3 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C16 #1
CALI: 9U03101C16 #3

SCANS 110 TO 900

CHESTER DC # ---

INST ID: 4510



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011109

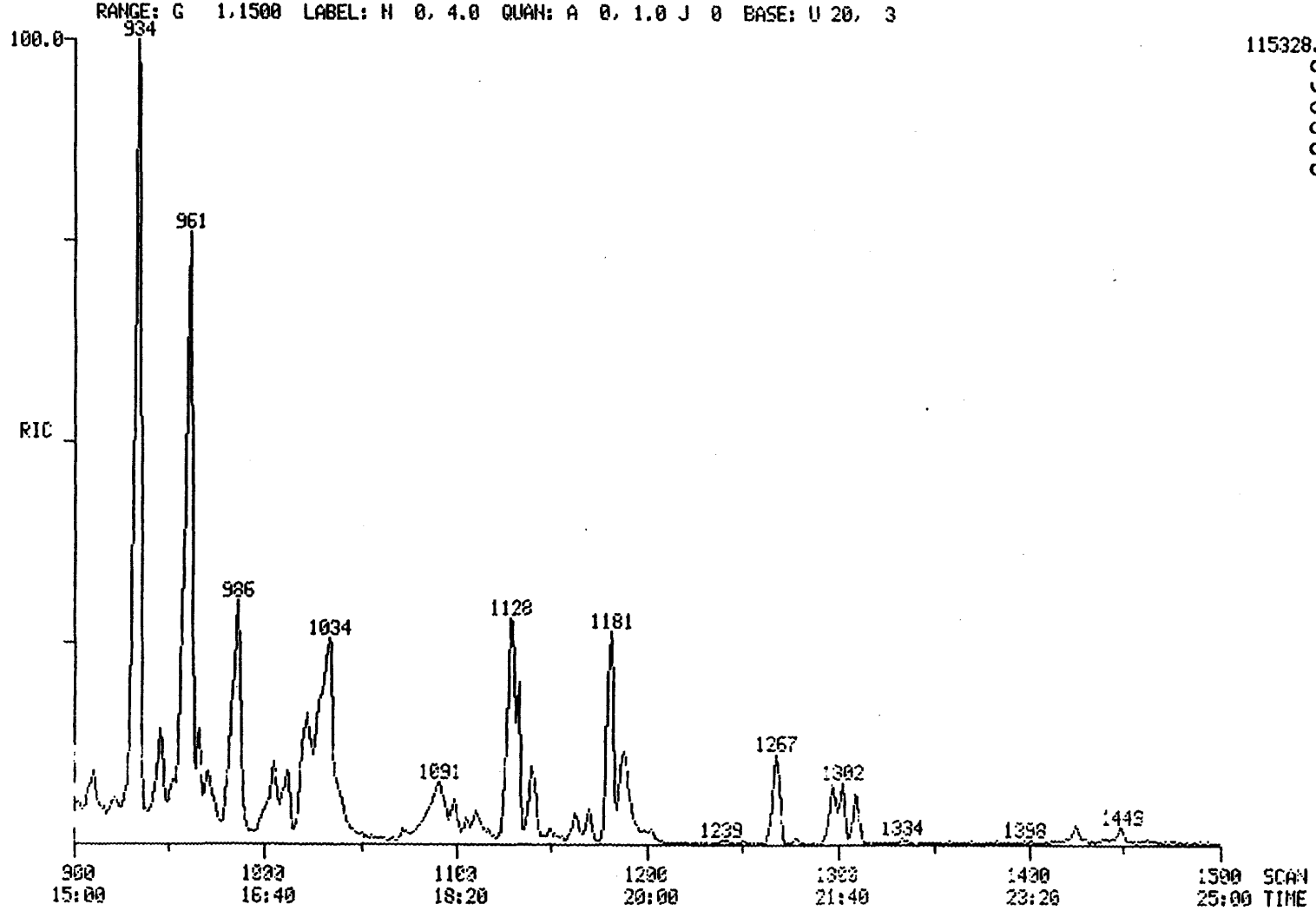
-14

CHESTER DC # ---

INST ID: 4510

RIC
03/16/93 20:49:00
SAMPLE: SC-PW 3 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C16 #1 SCANS 900 TO 1500
CALI: 9U03101C16 #3



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011110

011110

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-FW 3 (-200)

FILENAME 9U03101C16 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 20:49:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
207	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1468
347	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	6021
575	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	3078
771	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	4025
1129	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1725
1309	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	1018
269	CS20	NITROBENZENE-D5 ** SU3 **	82	76 %	0.775	3987
496	CS25	2-FLUOROBIPHENYL ** SU4 **	172	31 %	0.863	3256
1001	CS30	TERPHENYL-D14 ** SU6 **	244	3 %	0.887	180
349	C450	NAPHTHALENE	128	15 UG/L	1.006	4708
553	C540	ACENAPHTHYLENE	152	8 UG/L	0.962	2502
580	C550	ACENAPHTHENE	153	76 UG/L	1.009	12552
648	C590	FLUORENE	166	95 UG/L	1.127	18582
776	C640	PHENANTHRENE	178	236 UG/L	1.006	59935
781	C645	ANTHRACENE	178	106 UG/L	1.013	26545
934	C655	FLUORANTHENE	202	93 UG/L	1.211	19552
961	C715	PYRENE	202	81 UG/L	0.851	13062
1128	C730	BENZO(A)ANTHRACENE	228	27 UG/L	0.999	3512
1133	C740	CHRYSENE	228	24 UG/L	1.004	2271
1267	C765	BENZO(B)FLUORANTHENE	252	28 UG/L	0.968	2457
1302	C775	BENZO(A)PYRENE	252	18 UG/L	0.995	1114
1434	C780	INDENO(1,2,3-CD)PYRENE	276	11 UG/L	1.088	416
1439	C785	DIBENZO(A,H)ANTHRACENE	278	3 UG/L	1.092	99
1448	C790	BENZO(GHI)PERYLENE	276	8 UG/L	1.106	338

011112

INST ID: 4530 SAMPLE NUMBER: SC-PW 4 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310117 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C17
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	4 J
C740	CHRYSENE	7	4 J
C765	BENZO(B)FLUORANTHENE	7	5 J
C770	BENZO(K)FLUORANTHENE	7	3 J
C775	BENZO(A)PYRENE	7	2 J
C780	INDENO(1,2,3-CD)PYRENE	7	2 J
C785	DIBENZO(A,H)ANTHRACENE	7	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011113

INST ID: 4530 SAMPLE NUMBER: SC-PW 4 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310117 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW 03/12/93 DATAFILE: 4U03101C17
DATE EXTRACTED: .....
DATE ANALYZED: 03/16/93

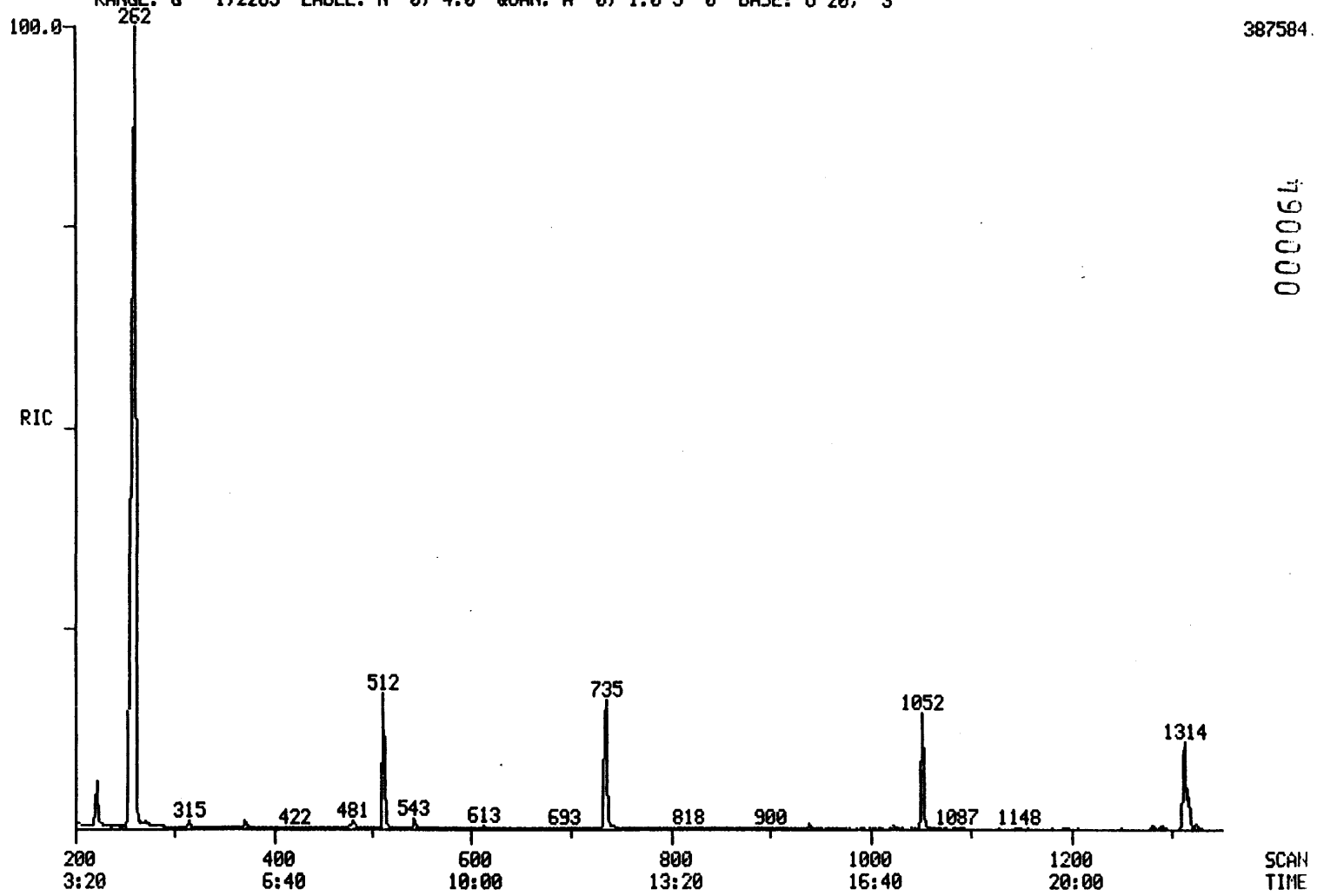
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7 U	
C540	ACENAPHTHYLENE	7 U	
C550	ACENAPHTHENE	7 U	
C590	FLUORENE	7 U	
C640	PHENANTHRENE	7	4 J
C645	ANTHRACENE	7	1 J
C655	FLUORANTHENE	7	8
C715	PYRENE	7	9
C730	BENZO(A)ANTHRACENE	7	4 J
C740	CHRYSENE	7	4 J
C765	BENZO(B)FLUORANTHENE	7	5 J
C770	BENZO(K)FLUORANTHENE	7	3 J
C775	BENZO(A)PYRENE	7	2 J
C780	INDENO(1,2,3-CD)PYRENE	7	2 J
C785	DIBENZO(A,H)ANTHRACENE	7	1 J
C790	BENZO(GHI)PERYLENE	7	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/16/93 18:32:00
SAMPLE: SC-PW 4 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C17 #1 SCANS 200 TO 1350
CALI: 4U03101C17 #3



INST ID: 4530

000004

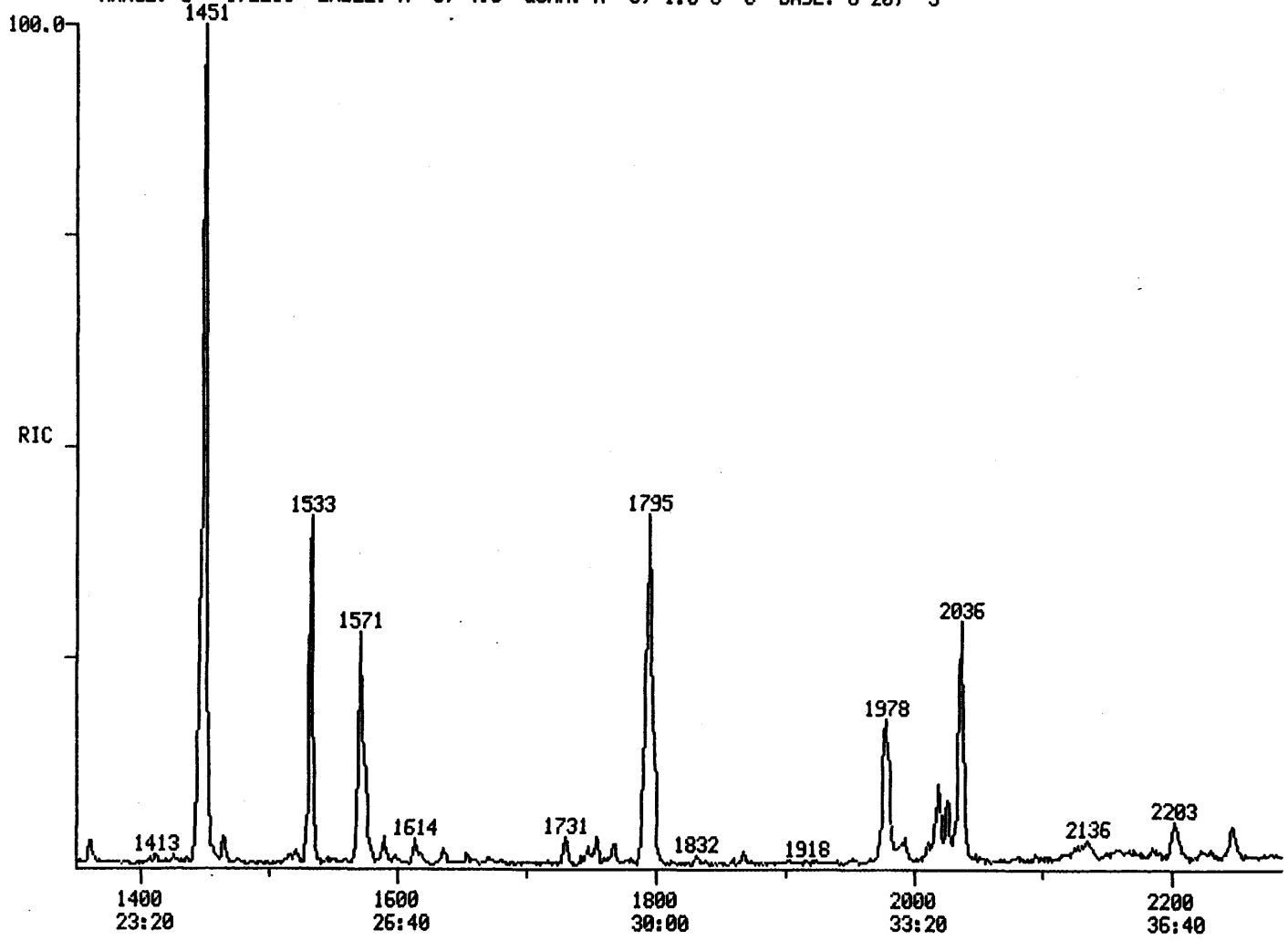
011114

CHESTER LABNET DC # ---14

RIC
03/16/93 18:32:00
SAMPLE: SC-PW 4 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C17 #1
CALI: 4U03101C17 #3

SCANS 1350 TO 2285



54656

INST ID: 4530

011115

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011116

SAMPLE ID.	SC-PW 4 (+10)		
FILENAME	4U03101C17	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 18:32:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
512	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	335
735	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	997
1052	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	507
1314	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	644
1795	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	290
2036	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	235
1317	C640	PHENANTHRENE	178	4 MG/KG	1.002	240
1325	C645	ANTHRACENE	178	1 MG/KG	1.008	59
1533	C655	FLUORANTHENE	202	8 MG/KG	1.167	397
1571	C715	PYRENE	202	9 MG/KG	0.875	259
1792	C730	BENZO(A)ANTHRACENE	228	4 MG/KG	0.998	119
1798	C740	CHRYSENE	228	4 MG/KG	1.002	116
1978	C765	BENZO(B)FLUORANTHENE	252	5 MG/KG	0.972	134
1979	C770	BENZO(K)FLUORANTHENE	252	3 MG/KG	0.972	84
2026	C775	BENZO(A)PYRENE	252	2 MG/KG	0.995	51
2202	C780	INDENO(1,2,3-CD)PYRENE	276	2 MG/KG	1.082	47
2207	C785	DIBENZO(A,H)ANTHRACENE	278	1 MG/KG	1.084	13
2247	C790	BENZO(GHI)PERYLENE	276	2 MG/KG	1.104	44

*SURROGATES WERE DILUTED OUT

011117

INST ID: 4530 SAMPLE NUMBER: SC-PW 4 (_10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310118 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C18
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	33	4 J
C740	CHRYSENE	33	6 J
C765	BENZO(B)FLUORANTHENE	33	6 J
C770	BENZO(K)FLUORANTHENE	33	6 J
C775	BENZO(A)PYRENE	33	2 J
C780	INDENO(1,2,3-CD)PYRENE	33	1 J
C785	DIBENZO(A,H)ANTHRACENE	33 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011118

INST ID: 4530 SAMPLE NUMBER: SC-PW 4 (_10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310118 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW 03/12/93 DATAFILE: 4U03101C18
DATE EXTRACTED: .....
DATE ANALYZED: 03/16/93

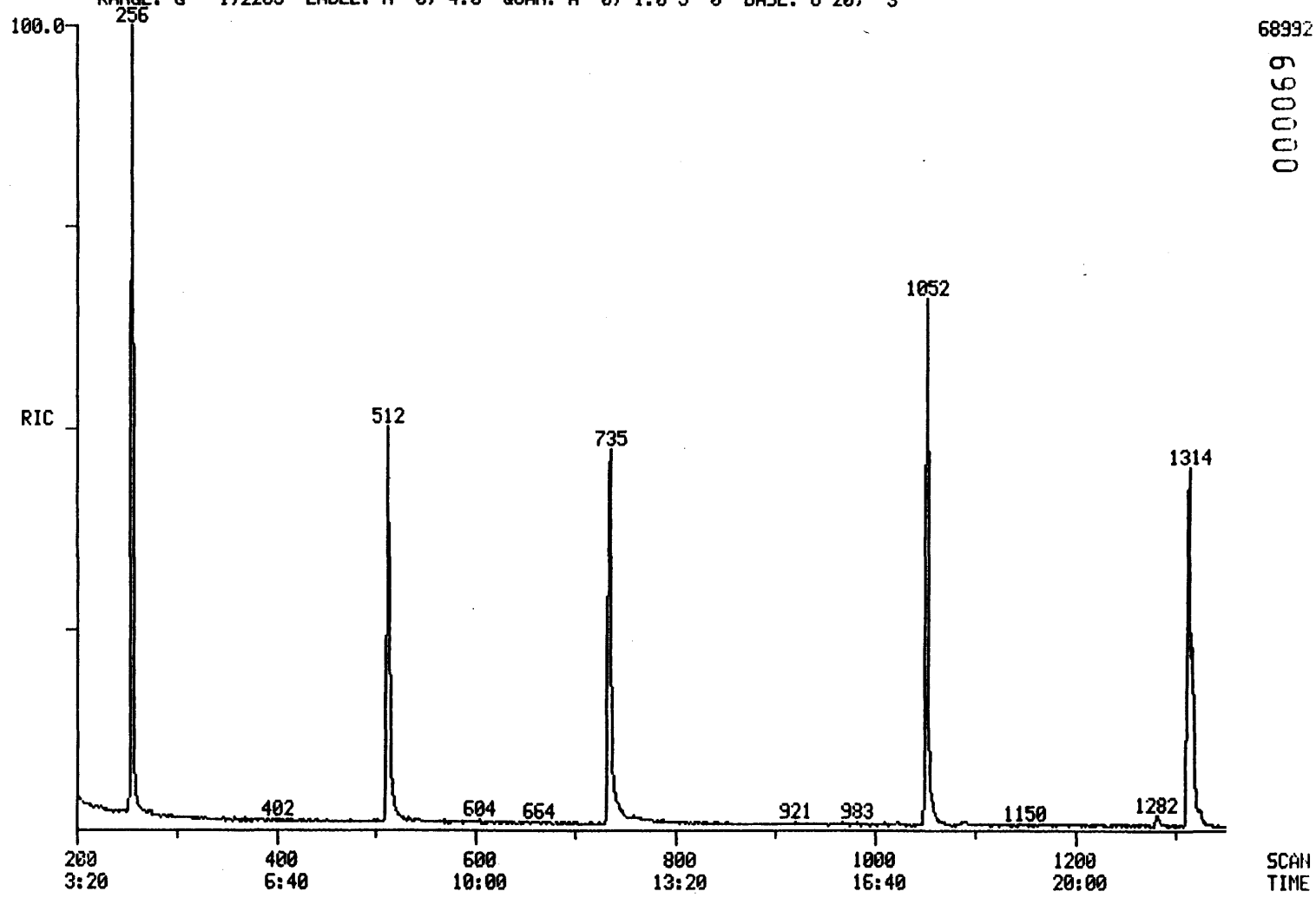
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	33 U	
C540	ACENAPHTHYLENE	33 U	
C550	ACENAPHTHENE	33 U	
C590	FLUORENE	33 U	
C640	PHENANTHRENE	33	25 J
C645	ANTHRACENE	33	5 J
C655	FLUORANTHENE	33	22 J
C715	PYRENE	33	9 J
C730	BENZO(A)ANTHRACENE	33	4 J
C740	CHRYSENE	33	6 J
C765	BENZO(B)FLUORANTHENE	33	6 J
C770	BENZO(K)FLUORANTHENE	33	6 J
C775	BENZO(A)PYRENE	33	2 J
C780	INDENO(1,2,3-CD)PYRENE	33	1 J
C785	DIBENZO(A,H)ANTHRACENE	33 U	
C790	BENZO(GHI)PERYLENE	33 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/16/93 19:19:00
SAMPLE: SC-PW 4 (_10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C18 #1 SCANS 200 TO 1350
CALI: 4U03101C18 #3



INST ID: 4530

68992

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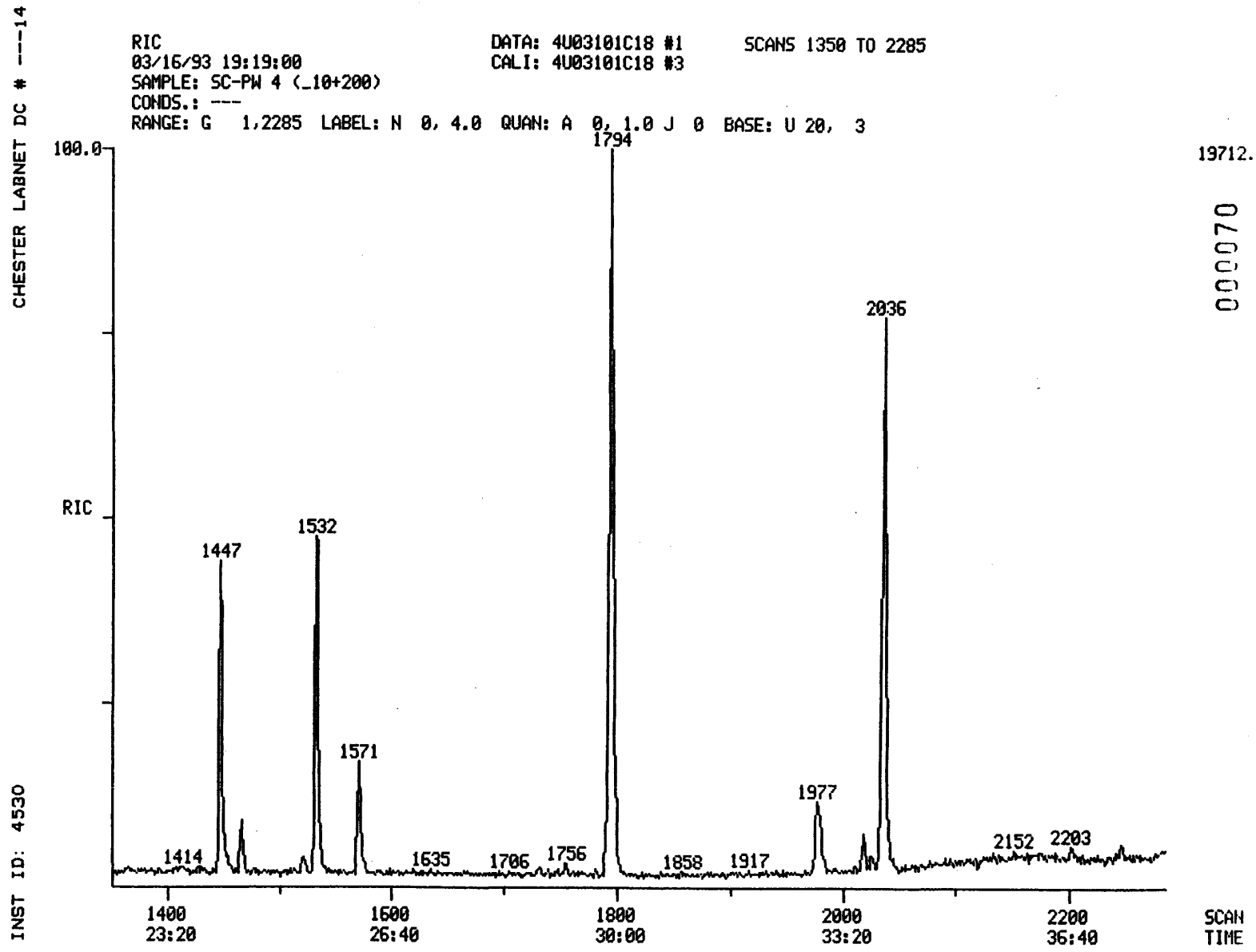
011119

011119



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011120

011120

CHESTER LABNET DC # ---1

SEMIVOLATILE SOIL REPORT

011121

SAMPLE ID.	SC-PW 4 (_10+200)		
FILENAME	4U03101C18	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 19:19:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	3.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
512	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	66 MG/KG	1.000	217
734	CI40	NAPHTHALENE-D8 ** IS2 **	136	66 MG/KG	1.000	66E
1051	CI50	ACENAPHTHENE-D10 ** IS3 **	164	66 MG/KG	1.000	50E
1314	CI60	PHENANTHRENE-D10 ** IS4 **	188	66 MG/KG	1.000	504
1795	CI70	CHRYSENE-D12 ** IS5 **	240	66 MG/KG	1.000	309
2036	CI75	PERYLENE-D12 ** IS6 **	264	66 MG/KG	1.000	215
1318	C640	PHENANTHRENE	178	25 MG/KG	1.003	214
1326	C645	ANTHRACENE	178	5 MG/KG	1.009	43
1532	C655	FLUORANTHENE	202	22 MG/KG	1.166	168
1570	C715	PYRENE	202	9 MG/KG	0.875	60
1792	C730	BENZO(A)ANTHRACENE	228	4 MG/KG	0.998	22
1798	C740	CHRYSENE	228	6 MG/KG	1.002	34
1977	C765	BENZO(B)FLUORANTHENE	252	6 MG/KG	0.971	27
1979	C770	BENZO(K)FLUORANTHENE	252	6 MG/KG	0.972	31
2026	C775	BENZO(A)PYRENE	252	2 MG/KG	0.995	6
2204	C780	INDENO(1,2,3-CD)PYRENE	276	1 MG/KG	1.083	5

SURROGATES WERE DILUTED OUT

011122

INST ID: 4510 SAMPLE NUMBER: SC-PW 4 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310119 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C19
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	8 J
C740	CHRYSENE	10	8 J
C765	BENZO(B)FLUORANTHENE	10	8 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	2 J
C780	INDENO(1,2,3-CD)PYRENE	10	2 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

INST ID: 4510 SAMPLE NUMBER: SC-PW 4 (-200)

011123

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310119 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C19
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	65
C540	ACENAPHTHYLENE	10	2 J
C550	ACENAPHTHENE	10	90
C590	FLUORENE	10	130
C640	PHENANTHRENE	10	320
C645	ANTHRACENE	10	33
C655	FLUORANTHENE	10	86
C715	PYRENE	10	57
C730	BENZO(A)ANTHRACENE	10	8 J
C740	CHRYSENE	10	8 J
C765	BENZO(B)FLUORANTHENE	10	8 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	2 J
C780	INDENO(1,2,3-CD)PYRENE	10	2 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R
C790	BENZO(GHI)PERYLENE	10	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

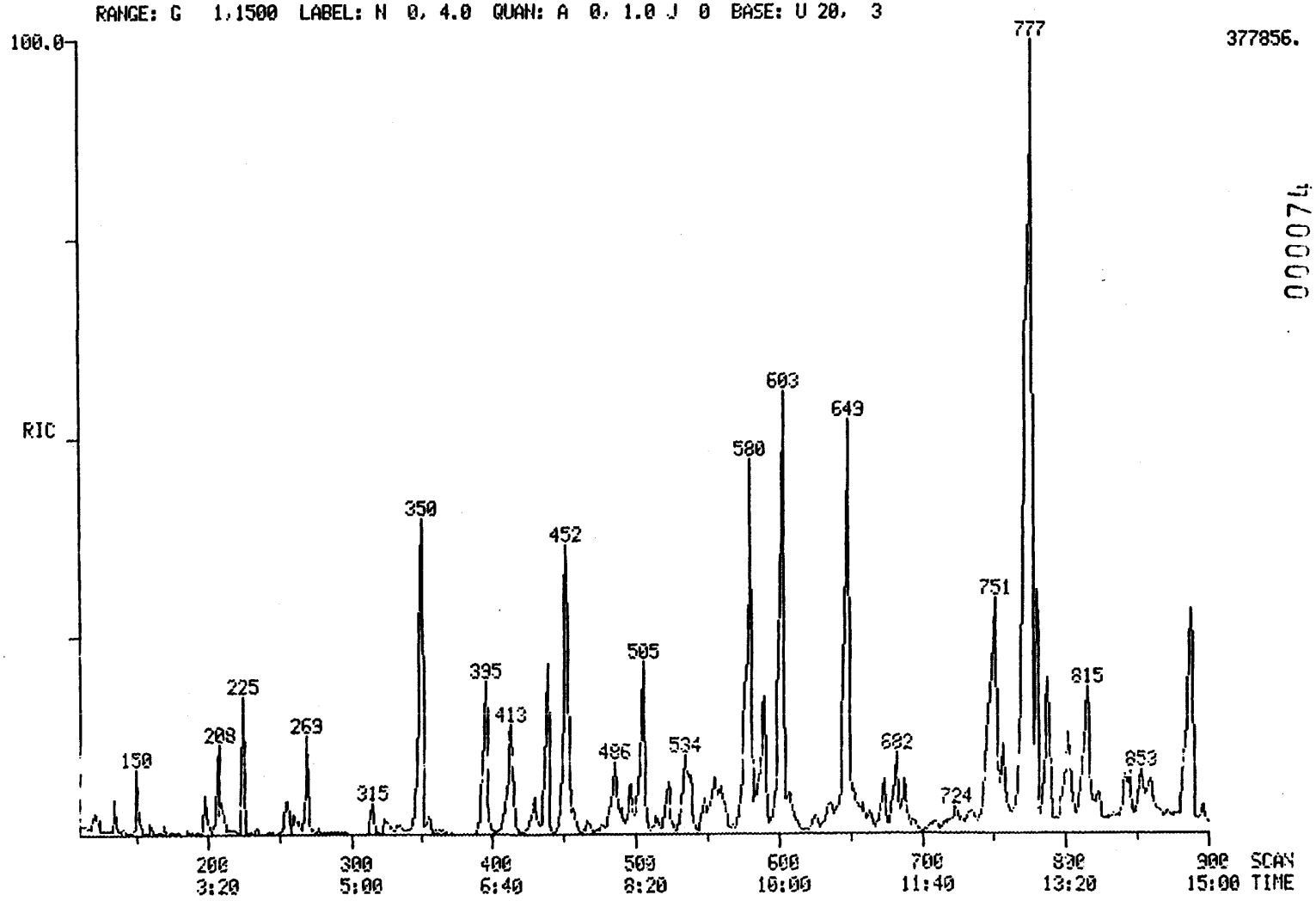
-14

RIC
03/16/93 20:14:00
SAMPLE: SC-PW 4 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C19 #1 SCANS 110 TO 900
CALI: 9U03101C19 #3

CHESTER DC # ---

INST ID: 4510



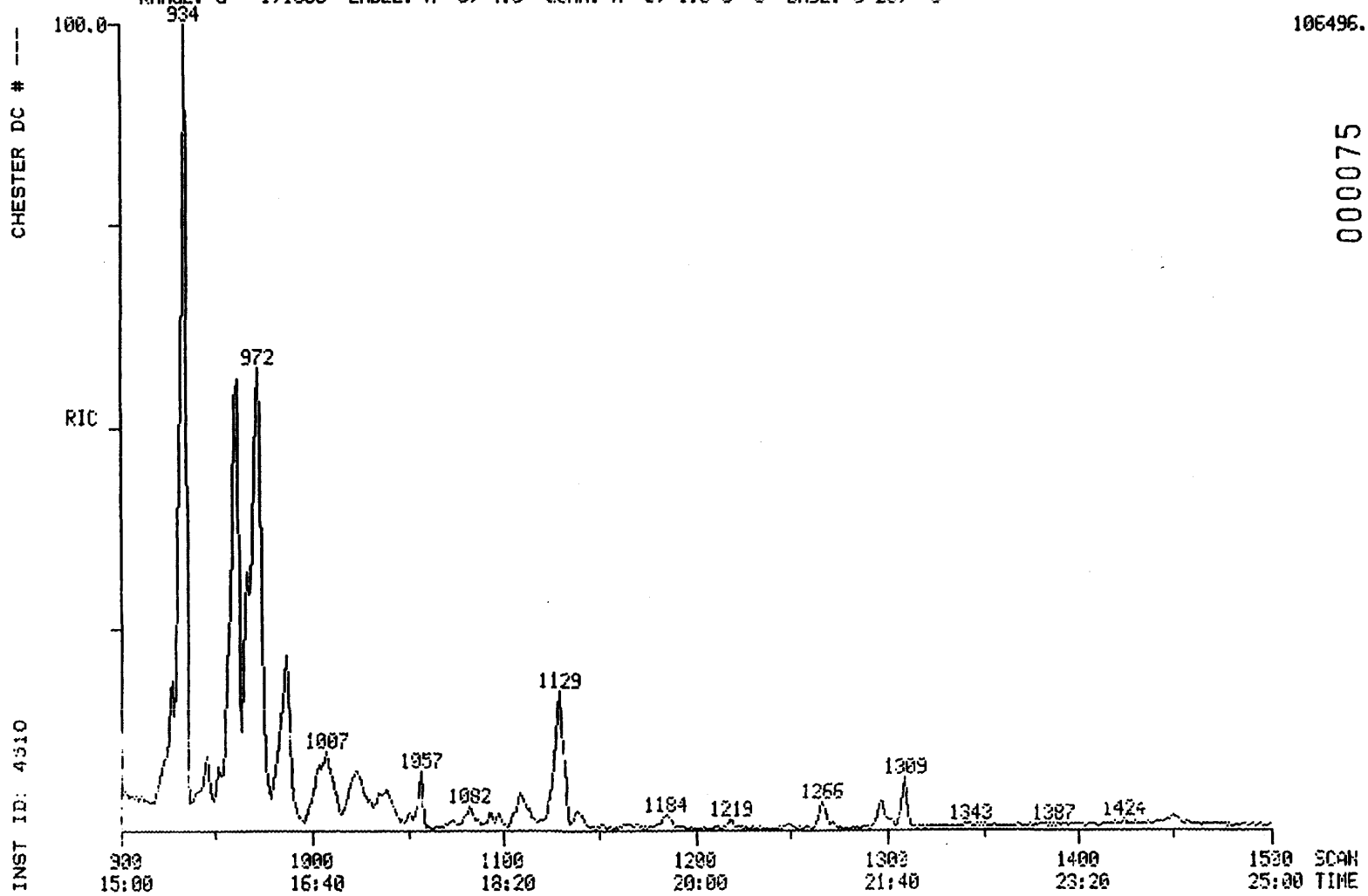
470000

011124

011124

RIC
03/16/93 20:14:00
SAMPLE: SC-PW 4 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C19 #1 SCANS 900 TO 1500
CALI: 9U03101C19 #3



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011125

011126

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	SC-PW 4 (-200)		
FILENAME	9U03101C19	INST ID.	4510
CLIENT	DAMES &	ANALYST	JDD
DATE INJECTED	03/16/93 20:14:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1394
347	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	5626
575	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	2869
772	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	3942
1129	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1686
1309	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	993
269	CS20	NITROBENZENE-D5 ** SU3 **	82	81 %	0.775	3958
496	CS25	2-FLUOROBIPHENYL ** SU4 **	172	27 %	0.863	2615
1001	CS30	TERPHENYL-D14 ** SU6 **	244	3 %	0.887	190
350	C450	NAPHTHALENE	128	65 UG/L	1.009	18772
553	C540	ACENAPHTHYLENE	152	2 UG/L	0.962	525
580	C550	ACENAPHTHENE	153	90 UG/L	1.009	13962
648	C590	FLUORENE	166	129 UG/L	1.127	23530
777	C640	PHENANTHRENE	178	317 UG/L	1.006	78660
780	C645	ANTHRACENE	178	33 UG/L	1.010	8015
934	C655	FLUORANTHENE	202	86 UG/L	1.210	17739
960	C715	PYRENE	202	57 UG/L	0.850	8963
1127	C730	BENZO(A)ANTHRACENE	228	8 UG/L	0.998	1019
1132	C740	CHRYSENE	228	8 UG/L	1.003	724
1266	C765	BENZO(B)FLUORANTHENE	252	8 UG/L	0.967	708
1301	C775	BENZO(A)PYRENE	252	2 UG/L	0.994	123
1424	C780	INDENO(1,2,3-CD)PYRENE	276	2 UG/L	1.088	77
1447	C790	BENZO(GHI)PERYLENE	276	2 UG/L	1.105	71

011127

INST ID: 4530 SAMPLE NUMBER: SC-PW 5 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310120 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C20
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	36
C740	CHRYSENE	7	33
C765	BENZO(B)FLUORANTHENE	7	26
C770	BENZO(K)FLUORANTHENE	7	10
C775	BENZO(A)PYRENE	7	8
C780	INDENO(1,2,3-CD)PYRENE	7	7
C785	DIBENZO(A,H)ANTHRACENE	7	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011128

INST ID: 4530 SAMPLE NUMBER: SC-PW 5 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310120 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C20
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7 U	
C540	ACENAPHTHYLENE	7	1 J
C550	ACENAPHTHENE	7 U	
C590	FLUORENE	7 U	
C640	PHENANTHRENE	7	4 J
C645	ANTHRACENE	7	2 J
C655	FLUORANTHENE	7	77
C715	PYRENE	7	96
C730	BENZO(A)ANTHRACENE	7	36
C740	CHRYSENE	7	33
C765	BENZO(B)FLUORANTHENE	7	26
C770	BENZO(K)FLUORANTHENE	7	10
C775	BENZO(A)PYRENE	7	8
C780	INDENO(1,2,3-CD)PYRENE	7	7
C785	DIBENZO(A,H)ANTHRACENE	7	3 J
C790	BENZO(GHI)PERYLENE	7	9

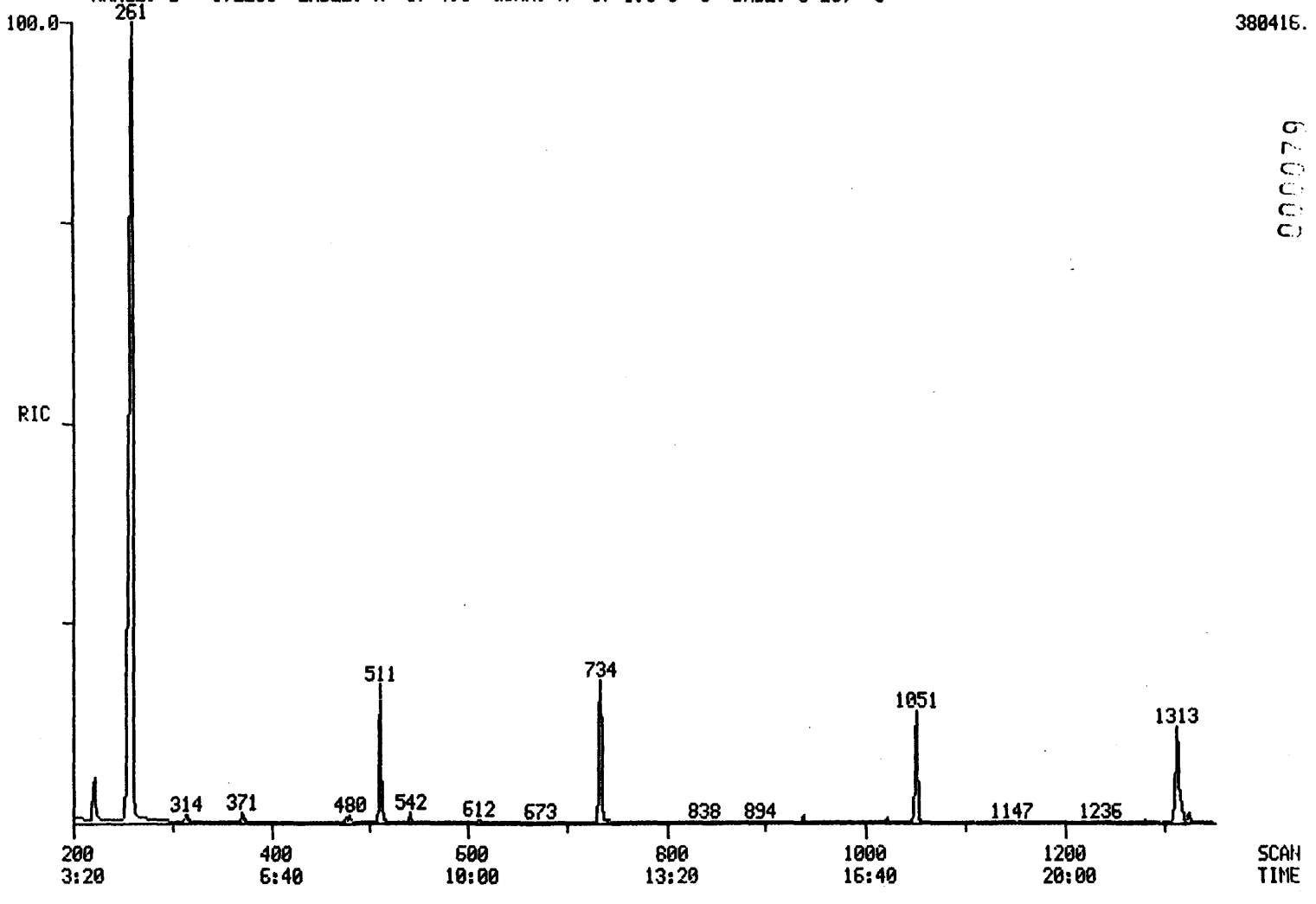
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ----14

RIC
03/16/93 20:06:00
SAMPLE: SC-PW 5 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C20 #1 SCANS 200 TO 1350
CALI: 4U03101C20 #3

380416.



INST ID: 4530

011129

RIC
03/16/93 20:06:00
SAMPLE: SC-PW 5 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C20 #1
CALI: 4U03101C20 #3

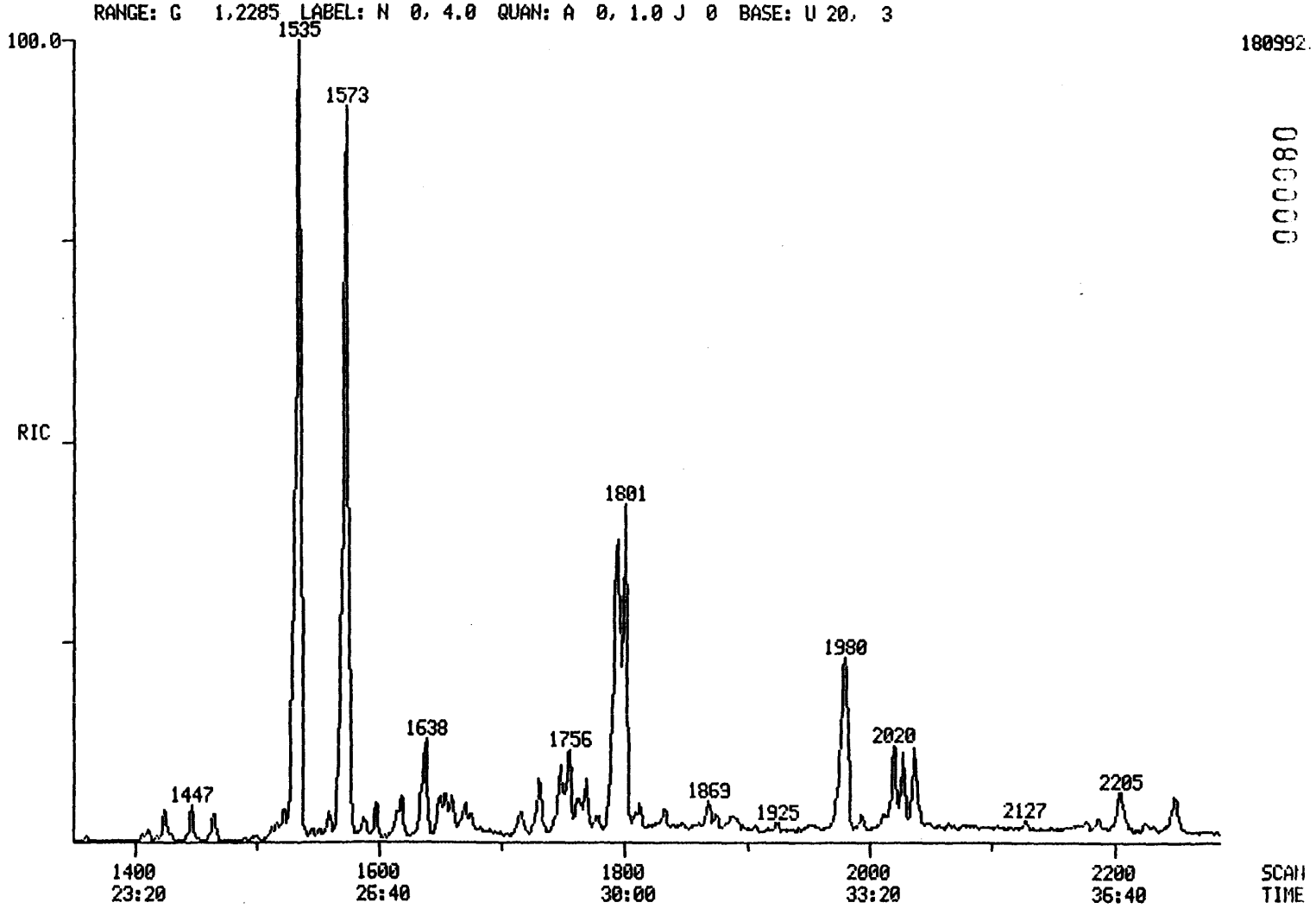
SCANS 1350 TO 2285

CHESTER LABNET DC # ---14

INST ID: 4530

180992

000080



011130

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011131

SAMPLE ID.	SC-PW 5 (+10)		
FILENAME	4U03101C20	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 20:06:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	314
734	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	995
1051	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	507
1313	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	674
1796	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	322
2037	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	247
1022	C540	ACENAPHTHYLENE	152	1 MG/KG	0.972	52
1317	C640	PHENANTHRENE	178	4 MG/KG	1.003	237
1325	C645	ANTHRACENE	178	2 MG/KG	1.009	88
1535	C655	FLUORANTHENE	202	77 MG/KG	1.169	3867
1573	C715	PYRENE	202	96 MG/KG	0.876	3197
1793	C730	BENZO(A)ANTHRACENE	228	36 MG/KG	0.998	1141
1801	C740	CHRYSENE	228	33 MG/KG	1.003	958
1980	C765	BENZO(B)FLUORANTHENE	252	26 MG/KG	0.972	699
1981	C770	BENZO(K)FLUORANTHENE	252	10 MG/KG	0.973	312
2028	C775	BENZO(A)PYRENE	252	8 MG/KG	0.996	206
2204	C780	INDENO(1,2,3-CD)PYRENE	276	7 MG/KG	1.082	167
2208	C785	DIBENZO(A,H)ANTHRACENE	278	3 MG/KG	1.084	47
2249	C790	BENZO(GHI)PERYLENE	276	9 MG/KG	1.104	166

SURROGATES WERE DILUTED OUT

011132

INST ID: 4530 SAMPLE NUMBER: SC-PW 5 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310121 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C21A
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	3	10
C740	CHRYSENE	3	11
C765	BENZO(B)FLUORANTHENE	3	12
C770	BENZO(K)FLUORANTHENE	3	6
C775	BENZO(A)PYRENE	3	6
C780	INDENO(1,2,3-CD)PYRENE	3	5
C785	DIBENZO(A,H)ANTHRACENE	3	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011133

INST ID: 4530 SAMPLE NUMBER: SC-PW 5 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

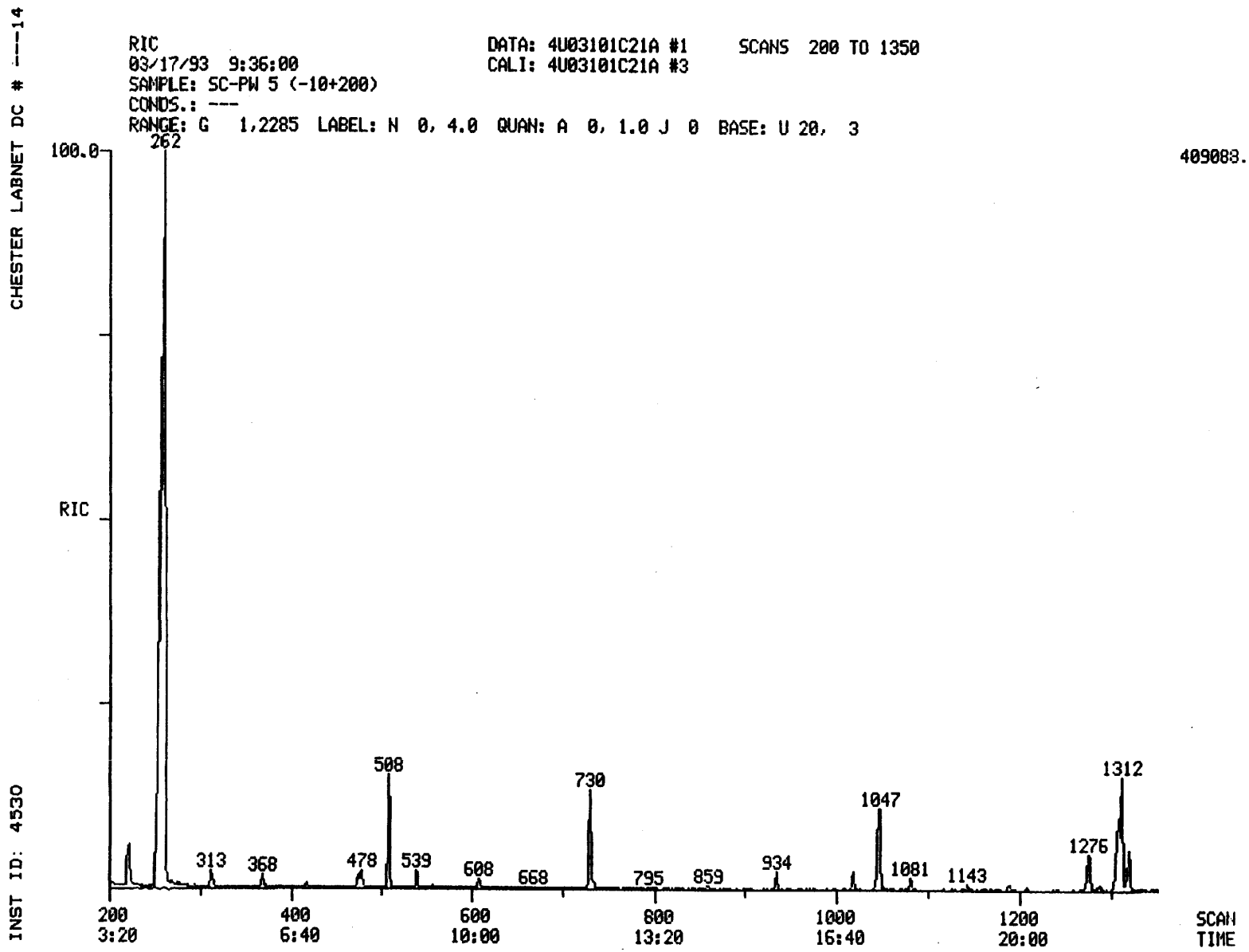
LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310121 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C21A
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	3	1 J
C540	ACENAPHTHYLENE	3	1 J
C550	ACENAPHTHENE	3 U	
C590	FLUORENE	3	1 J
C640	PHENANTHRENE	3	10
C645	ANTHRACENE	3	3
C655	FLUORANTHENE	3	17
C715	PYRENE	3	17
C730	BENZO(A)ANTHRACENE	3	10
C740	CHRYSENE	3	11
C765	BENZO(B)FLUORANTHENE	3	12
C770	BENZO(K)FLUORANTHENE	3	6
C775	BENZO(A)PYRENE	3	6
C780	INDENO(1,2,3-CD)PYRENE	3	5
C785	DIBENZO(A,H)ANTHRACENE	3	2 J
C790	BENZO(GHI)PERYLENE	3	6

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/17/93 9:36:00
SAMPLE: SC-PW 5 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C21A #1
CALI: 4U03101C21A #3
SCANS 200 TO 1350
409088.
100.0
RIC
262
313
368
478
508
539
608
668
730
795
859
934
1047
1081
1143
1276
1312
200
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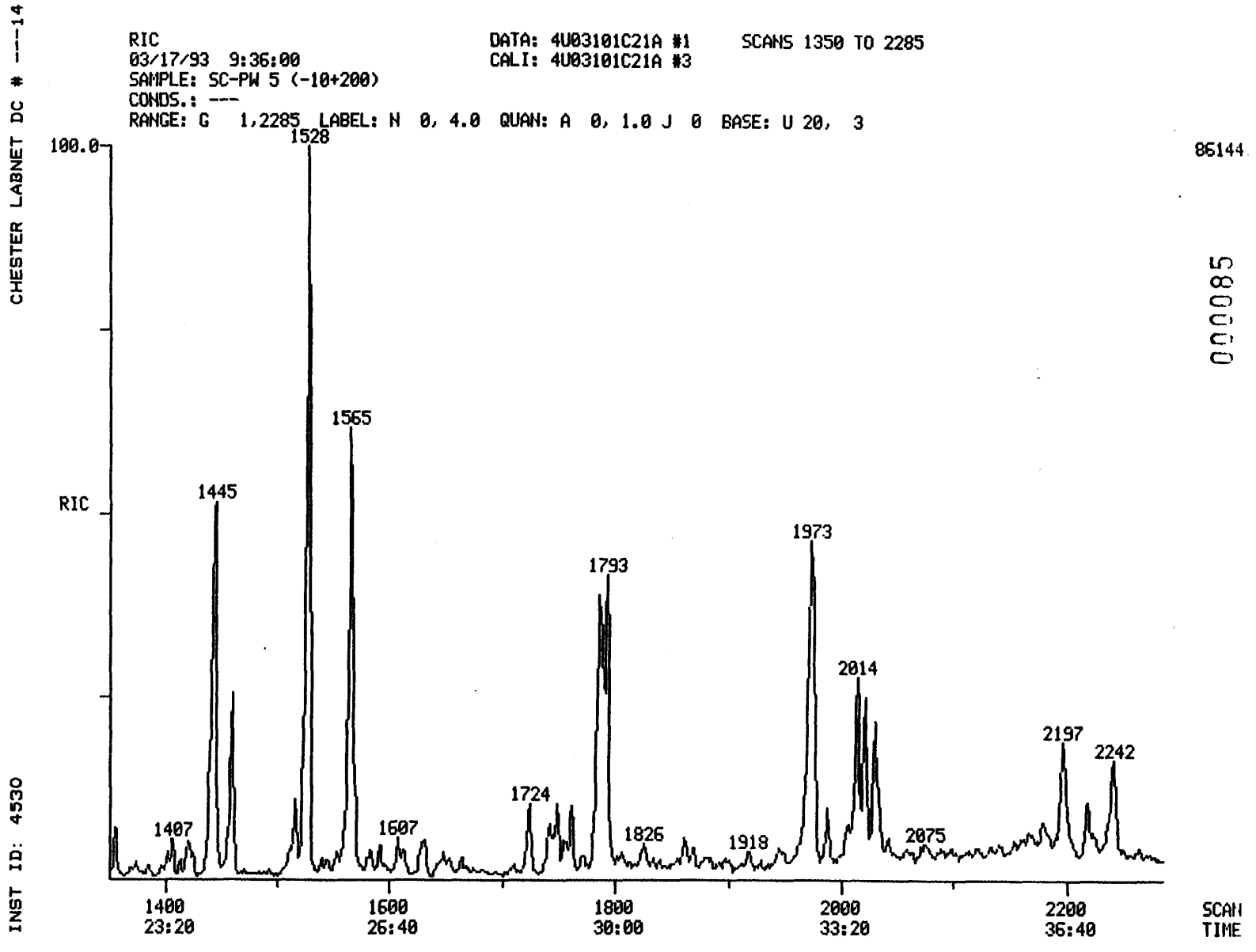
1200
20:00
SCAN
TIME

011134



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011135

011135

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011136

SAMPLE ID. SC-PW 5 (-10+200)

FILENAME 4U03101C21A INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 03/17/93 9:36:00 VERIFIED BY SC

CALIB STD DATE 03/11/93 CORR. FACTOR 0.33

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
508	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	7	MG/KG	1.000	277
730	CI40	NAPHTHALENE-D8 ** IS2 **	136	7	MG/KG	1.000	784
1046	CI50	ACENAPHTHENE-D10 ** IS3 **	164	7	MG/KG	1.000	386
1308	CI60	PHENANTHRENE-D10 ** IS4 **	188	7	MG/KG	1.000	543
1789	CI70	CHRYSENE-D12 ** IS5 **	240	7	MG/KG	1.000	218
2030	CI75	PERYLENE-D12 ** IS6 **	264	7	MG/KG	1.000	206
313	CS50	2-FLUOROPHENOL ** SU1 **	112	60 ~~6~~	%	0.616	100
474	CS45	PHENOL-D5 ** SU2 **	99	70 ~~7~~	%	0.933	123
1190	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	80 ~~8~~	%	1.138	10
478	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	50 ~~5~~	%	0.941	93
539	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	80 ~~8~~	%	1.061	48
608	CS20	NITROBENZENE-D5 ** SU3 **	82	70 ~~7~~	%	0.833	54
934	CS25	2-FLUOROBIPHENYL **SU4 **	172	70 ~~7~~	%	0.893	107
1607	CS30	TERPHENYL-D14 ** SU6 **	244	80 ~~8~~	%	0.898	55
734	C450	NAPHTHALENE	128	1	MG/KG	1.005	73
1018	C540	ACENAPHTHYLENE	152	1	MG/KG	0.973	159
1142	C590	FLUORENE	166	1	MG/KG	1.092	32
1312	C640	PHENANTHRENE	178	10	MG/KG	1.003	967
1320	C645	ANTHRACENE	178	3	MG/KG	1.009	327
1528	C655	FLUORANTHENE	202	17	MG/KG	1.168	1437
1565	C715	PYRENE	202	17	MG/KG	0.875	837
1786	C730	BENZO(A)ANTHRACENE	228	10	MG/KG	0.998	438
1793	C740	CHRYSENE	228	11	MG/KG	1.002	412
1973	C765	BENZO(B)FLUORANTHENE	252	12	MG/KG	0.972	607
1975	C770	BENZO(K)FLUORANTHENE	252	6	MG/KG	0.973	239
2021	C775	BENZO(A)PYRENE	252	6	MG/KG	0.996	228
2197	C780	INDENO(1,2,3-CD)PYRENE	276	5	MG/KG	1.082	213
2201	C785	DIBENZO(A,H)ANTHRACENE	278	2	MG/KG	1.084	77
2242	C790	BENZO(GHI)PERYLENE	276	6	MG/KG	1.104	231

011137

INST ID: 4510 SAMPLE NUMBER: SC-PW 5 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310122
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: DB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C22

DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	12
C740	CHRYSENE	10	21
C765	BENZO(B)FLUORANTHENE	10	24
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	8 J
C780	INDENO(1,2,3-CD)PYRENE	10	13
C785	DIBENZO(A,H)ANTHRACENE	10	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011138

INST ID: 4510 SAMPLE NUMBER: SC-PW 5 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310122
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: DB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

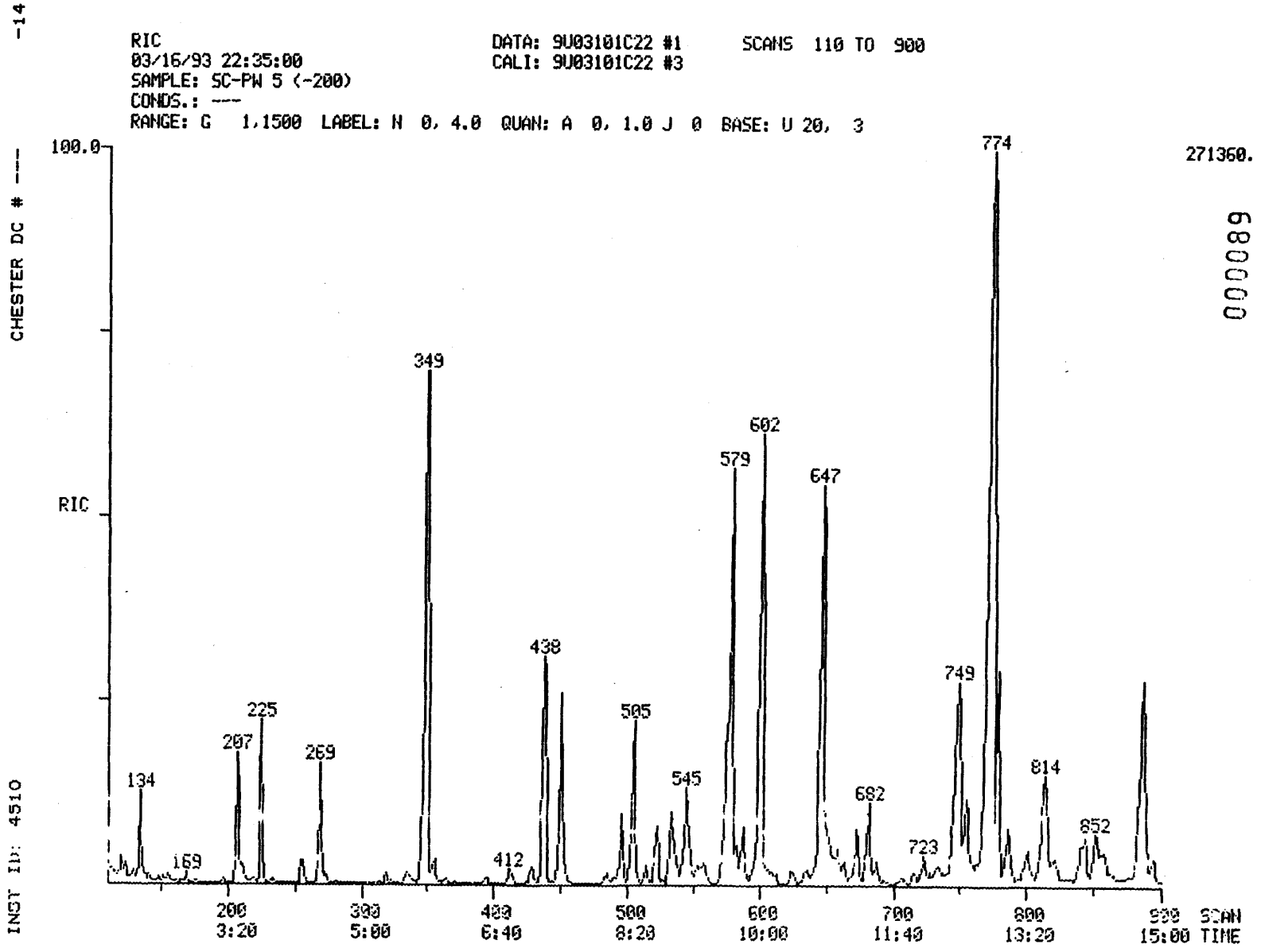
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C22
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	80
C540	ACENAPHTHYLENE	10	2 J
C550	ACENAPHTHENE	10	65
C590	FLUORENE	10	74
C640	PHENANTHRENE	10	180
C645	ANTHRACENE	10	29
C655	FLUORANTHENE	10	69
C715	PYRENE	10	46
C730	BENZO(A)ANTHRACENE	10	12
C740	CHRYSENE	10	21
C765	BENZO(B)FLUORANTHENE	10	24
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	8 J
C780	INDENO(1,2,3-CD)PYRENE	10	13
C785	DIBENZO(A,H)ANTHRACENE	10	2 J
C790	BENZO(GHI)PERYLENE	10	12

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


-14
CHESTER DC # ---
INST ID: 4510
RIC
03/16/93 22:35:00
SAMPLE: SC-PW 5 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U03101C22 #1
CALI: 9U03101C22 #3
SCANS 110 TO 900
100.0
RIC
271360.
680000
134
169
207
225
269
349
412
438
505
545
579
602
647
682
723
749
774
814
852
200 3:20
300 5:00
400 6:40
500 8:20
600 10:00
700 11:40
800 13:20
900 15:00
SCAN TIME

011139

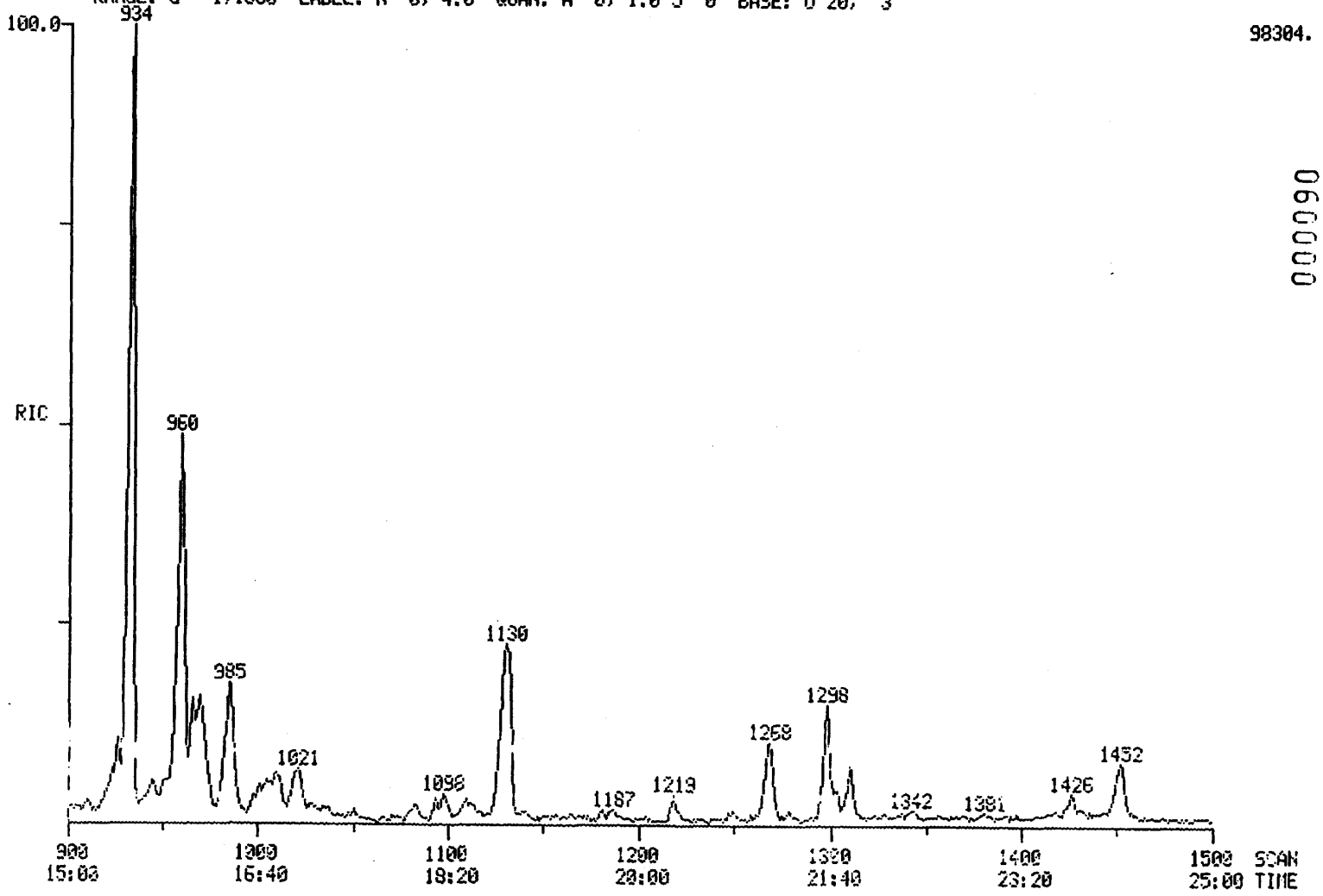
-14

CHESTER DC # ---

INST ID: 4510

RIC
03/16/93 22:35:00
SAMPLE: SC-PW 5 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C22 #1 SCANS 900 TO 1500
CALI: 9U03101C22 #3



98304.

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011140

011140

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	SC-FW 5 (-200)		
FILENAME	9U03101C22	INST ID.	4510
CLIENT	DAMES &	ANALYST	JDD
DATE INJECTED	03/16/93 22:35:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
207	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	154
347	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	638
575	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	337
770	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	451
1129	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	169
1310	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	98
269	CS20	NITROBENZENE-D5 ** SU3 **	82	70 %	0.775	389
496	CS25	2-FLUOROBIPHENYL ** SU4 **	172	26 %	0.863	296
1001	CS30	TERPHENYL-D14 ** SU6 **	244	6 %	0.887	34
349	C450	NAPHTHALENE	128	80 UG/L	1.006	2647
553	C540	ACENAPHTHYLENE	152	2 UG/L	0.962	58
579	C550	ACENAPHTHENE	153	65 UG/L	1.007	1175
647	C590	FLUORENE	166	74 UG/L	1.125	1591
774	C640	PHENANTHRENE	178	184 UG/L	1.005	5232
779	C645	ANTHRACENE	178	29 UG/L	1.012	804
934	C655	FLUORANTHENE	202	69 UG/L	1.213	1623
960	C715	PYRENE	202	46 UG/L	0.850	730
1128	C730	BENZO(A)ANTHRACENE	228	12 UG/L	0.999	150
1132	C740	CHRYSENE	228	21 UG/L	1.003	199
1268	C765	BENZO(B)FLUORANTHENE	252	24 UG/L	0.968	197
1302	C775	BENZO(A)PYRENE	252	8 UG/L	0.994	47
1426	C780	INDENO(1,2,3-CD)PYRENE	276	13 UG/L	1.089	49
1430	C785	DIBENZO(A,H)ANTHRACENE	278	2 UG/L	1.092	8
1450	C790	BENZO(GHI)PERYLENE	276	12 UG/L	1.107	51

011142

INST ID: 4530 SAMPLE NUMBER: SC-PW 6 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310123 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101~~C22~~ C23
DATE EXTRACTED: 03/12/93 RB
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	3400	4000
C740	CHRYSENE	3400	4400
C765	BENZO(B)FLUORANTHENE	3400	2700 J
C770	BENZO(K)FLUORANTHENE	3400	2000 J
C775	BENZO(A)PYRENE	3400	1400 J
C780	INDENO(1,2,3-CD)PYRENE	3400	830 J
C785	DIBENZO(A,H)ANTHRACENE	3400	180 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011143

INST ID: 4530 SAMPLE NUMBER: SC-PW 6 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310123 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101~~C2E~~ C23 RB
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	3400 U	
C540	ACENAPHTHYLENE	3400 U	
C550	ACENAPHTHENE	3400 U	
C590	FLUORENE	3400 U	
C640	PHENANTHRENE	3400	4700
C645	ANTHRACENE	3400	2100 J
C655	FLUORANTHENE	3400	13000
C715	PYRENE	3400	11000
C730	BENZO(A)ANTHRACENE	3400	4000
C740	CHRYSENE	3400	4400
C765	BENZO(B)FLUORANTHENE	3400	2700 J
C770	BENZO(K)FLUORANTHENE	3400	2000 J
C775	BENZO(A)PYRENE	3400	1400 J
C780	INDENO(1,2,3-CD)PYRENE	3400	830 J
C785	DIBENZO(A,H)ANTHRACENE	3400	180 J
C790	BENZO(GHI)PERYLENE	3400	790 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

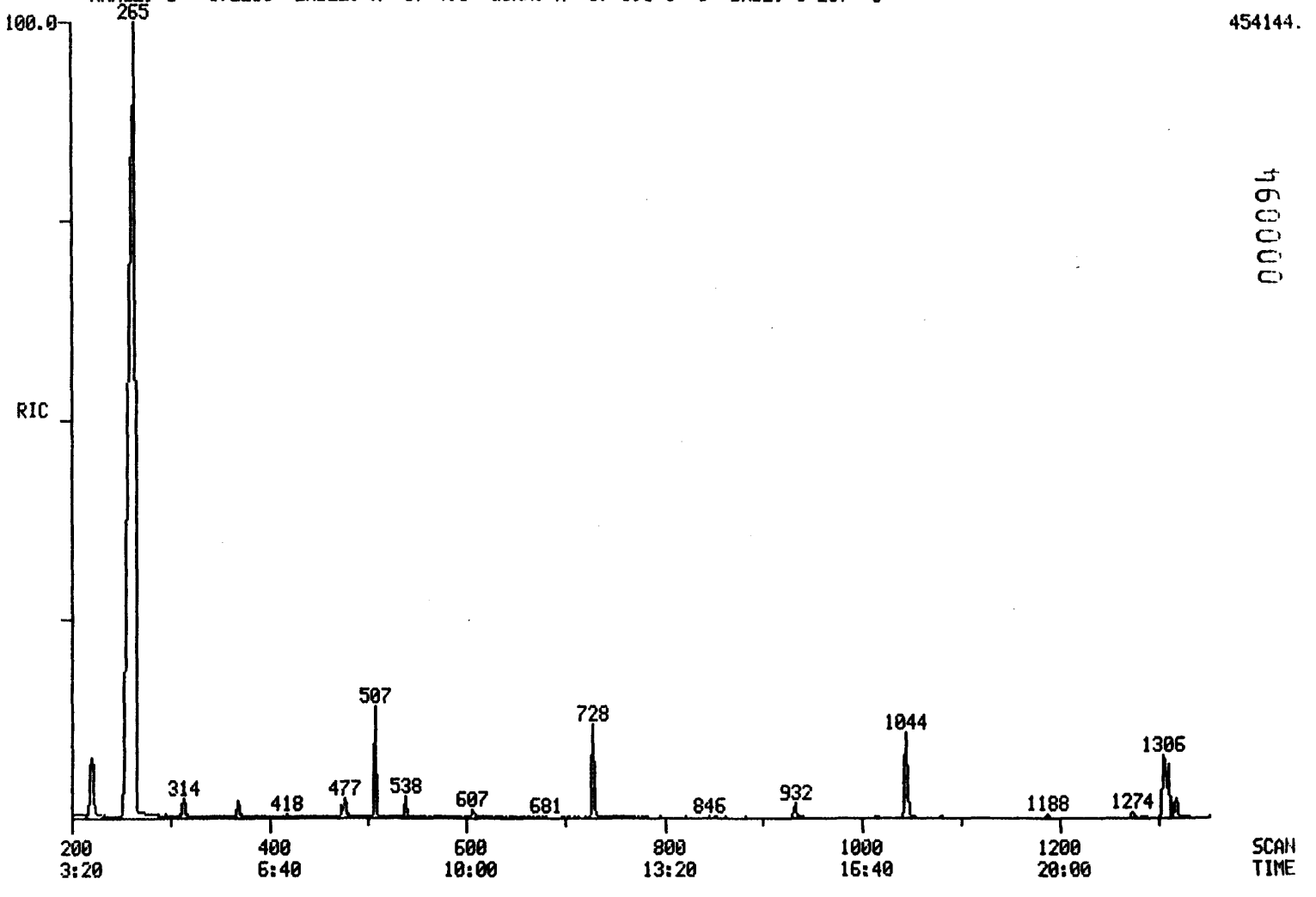
CHESTER LABNET DC # ---14

INST ID: 4530

RIC
03/17/93 10:24:00
SAMPLE: SC-PW 6 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C22 #1 C23
CALI: 4U03101C22 #3

SCANS 200 TO 1350



454144.

000094

011144

011144

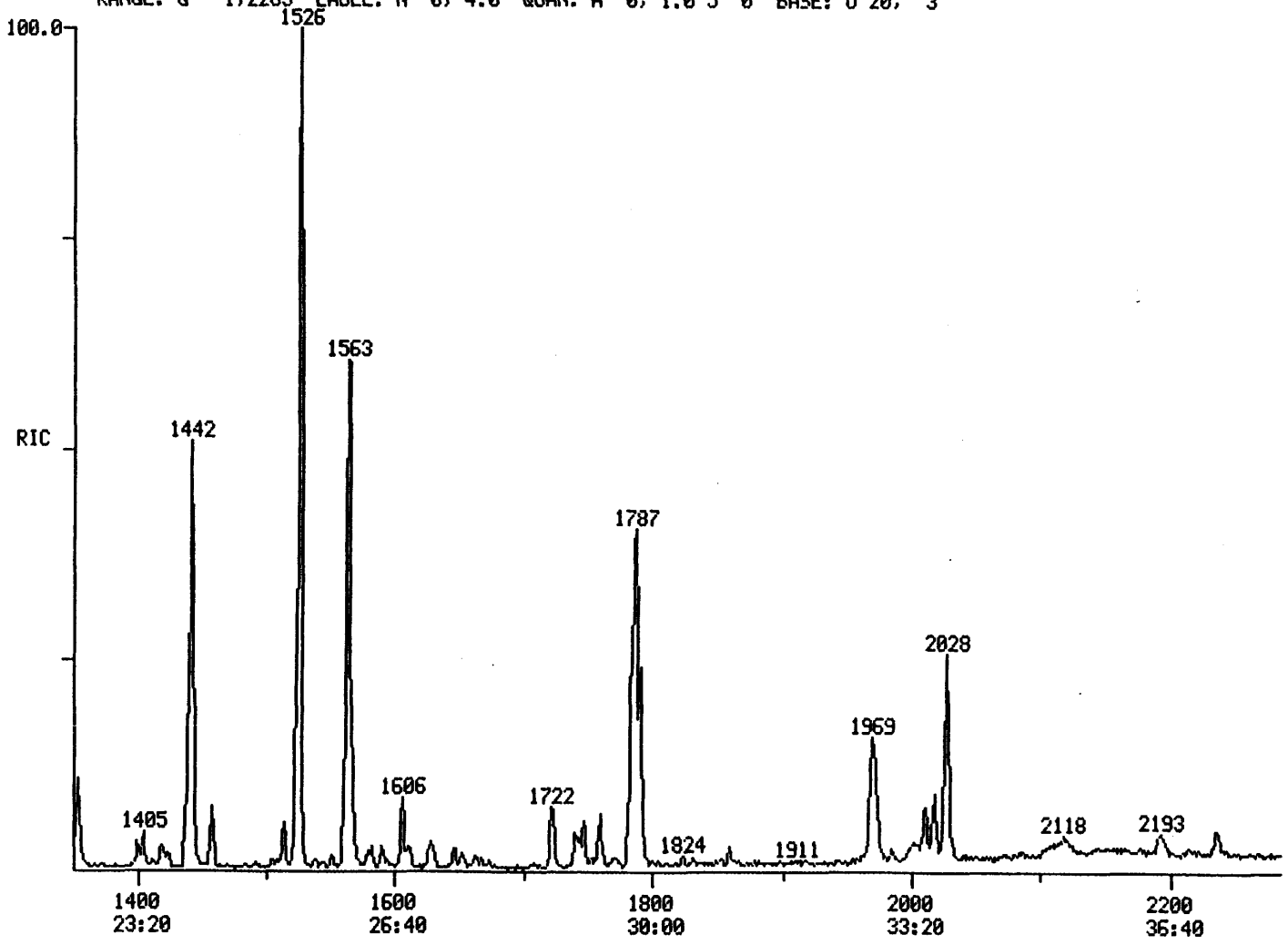
RIC
03/17/93 10:24:00
SAMPLE: SC-PW 6 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U0310~~1C22~~ C23 #1
CALI: 4U0310~~1C22~~ #3

SCANS 1350 TO 2285

CHESTER LABNET DC # ---14

INST ID: 4530



67584.

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011145

011145

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011146

SAMPLE ID.	SC-PW 6 (+10)		
FILENAME	4U03101C~~22~~ C23	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 10:24:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	340.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARI
507	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	6800	MG/KG	1.000	27
728	CI40	NAPHTHALENE-D8 ** IS2 **	136	6800	MG/KG	1.000	83
1044	CI50	ACENAPHTHENE-D10 ** IS3 **	164	6800	MG/KG	1.000	40
1306	CI60	PHENANTHRENE-D10 ** IS4 **	188	6800	MG/KG	1.000	49
1787	CI70	CHRYSENE-D12 ** IS5 **	240	6800	MG/KG	1.000	27
2028	CI75	PERYLENE-D12 ** IS6 **	264	6800	MG/KG	1.000	20
314	CS50	2-FLUOROPHENOL ** SU1 **	112	60 6	%	0.619	10
473	CS45	PHENOL-D5 ** SU2 **	99	60 6	%	0.933	10
1188	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	70 7	%	1.138	
477	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	40 4	%	0.941	8
538	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	80 8	%	1.061	4
607	CS20	NITROBENZENE-D5 ** SU3 **	82	70 7	%	0.834	5
932	CS25	2-FLUOROBIPHENYL **SU4 **	172	80 8	%	0.893	12
1606	CS30	TERPHENYL-D14 ** SU6 **	244	100 10	%	0.899	8
1310	C640	PHENANTHRENE	178	4696	MG/KG	1.003	39
1318	C645	ANTHRACENE	178	2139	MG/KG	1.009	18
1526	C655	FLUORANTHENE	202	13148	MG/KG	1.168	97
1563	C715	PYRENE	202	11100	MG/KG	0.875	68
1784	C730	BENZO(A)ANTHRACENE	228	4018	MG/KG	0.998	21
1791	C740	CHRYSENE	228	4444	MG/KG	1.002	20
1969	C765	BENZO(B)FLUORANTHENE	252	2689	MG/KG	0.971	13
1971	C770	BENZO(K)FLUORANTHENE	252	2017	MG/KG	0.972	8
2018	C775	BENZO(A)PYRENE	252	1394	MG/KG	0.995	5
2192	C780	INDENO(1,2,3-CD)PYRENE	276	827	MG/KG	1.081	3
2197	C785	DIBENZO(A,H)ANTHRACENE	278	184	MG/KG	1.083	6
2236	C790	BENZO(GHI)PERYLENE	276	792	MG/KG	1.103	31

011147

INST ID: 4530 SAMPLE NUMBER: SC-PW 6 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310124 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C24
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	13	39
C740	CHRYSENE	13	37
C765	BENZO(B)FLUORANTHENE	13	19
C770	BENZO(K)FLUORANTHENE	13	13 J
C775	BENZO(A)PYRENE	13	9 J
C780	INDENO(1,2,3-CD)PYRENE	13	6 J
C785	DIBENZO(A,H)ANTHRACENE	13	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011148

INST ID: 4530 SAMPLE NUMBER: SC-PW 6 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310124 GC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C24
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	13 U	
C540	ACENAPHTHYLENE	13	1 J
C550	ACENAPHTHENE	13	2 J
C590	FLUORENE	13 U	
C640	PHENANTHRENE	13	30
C645	ANTHRACENE	13	24
C655	FLUORANTHENE	13	120
C715	PYRENE	13	100
C730	BENZO(A)ANTHRACENE	13	39
C740	CHRYSENE	13	37
C765	BENZO(B)FLUORANTHENE	13	19
C770	BENZO(K)FLUORANTHENE	13	13 J
C775	BENZO(A)PYRENE	13	9 J
C780	INDENO(1,2,3-CD)PYRENE	13	6 J
C785	DIBENZO(A,H)ANTHRACENE	13	2 J
C790	BENZO(GHI)PERYLENE	13	6 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/17/93 11:11:00
SAMPLE: SC-PW 6 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C24 #1 SCANS 200 TO 1350
CALI: 4U03101C24 #3

161536.

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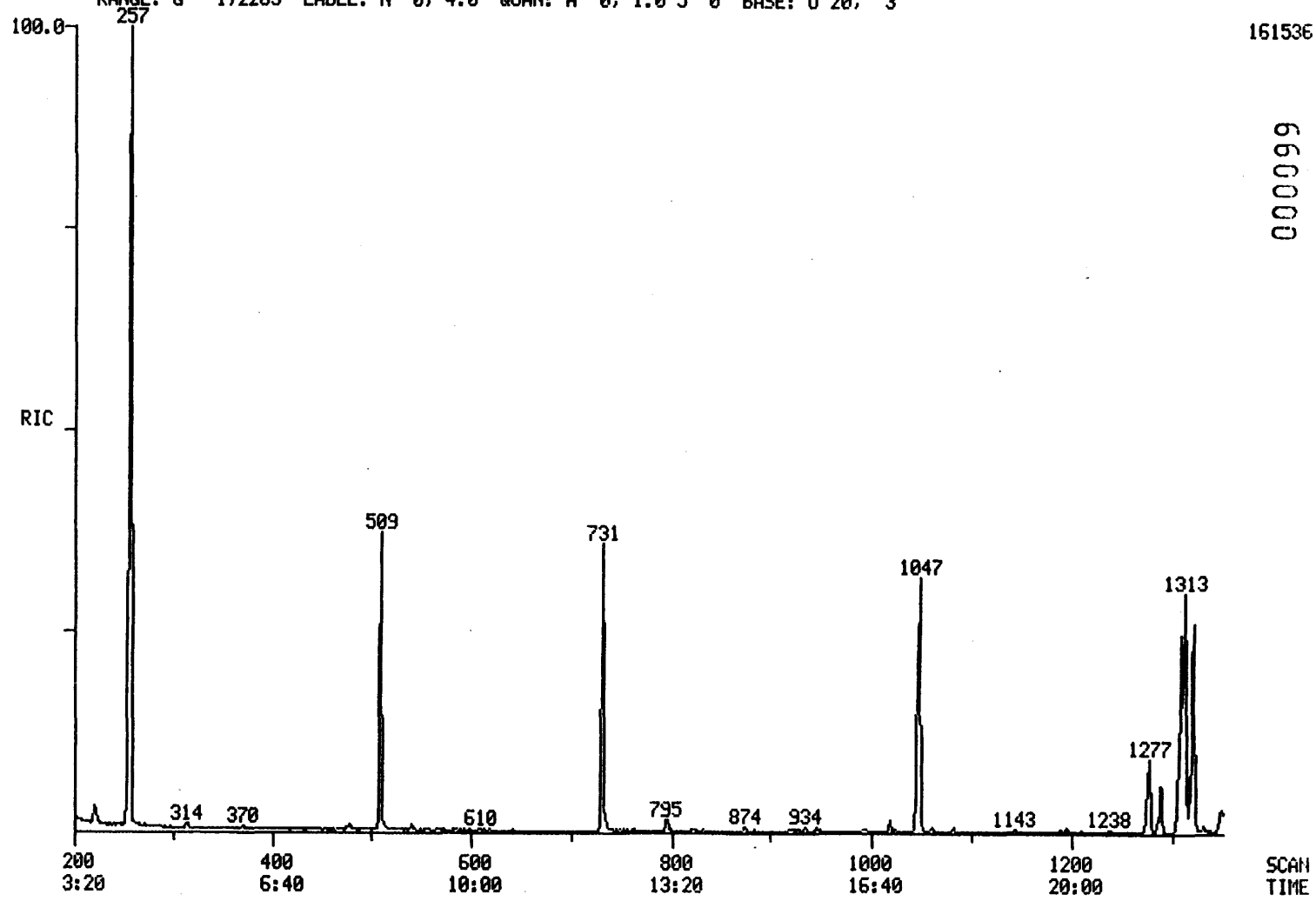


INST ID: 4530

011149

011149

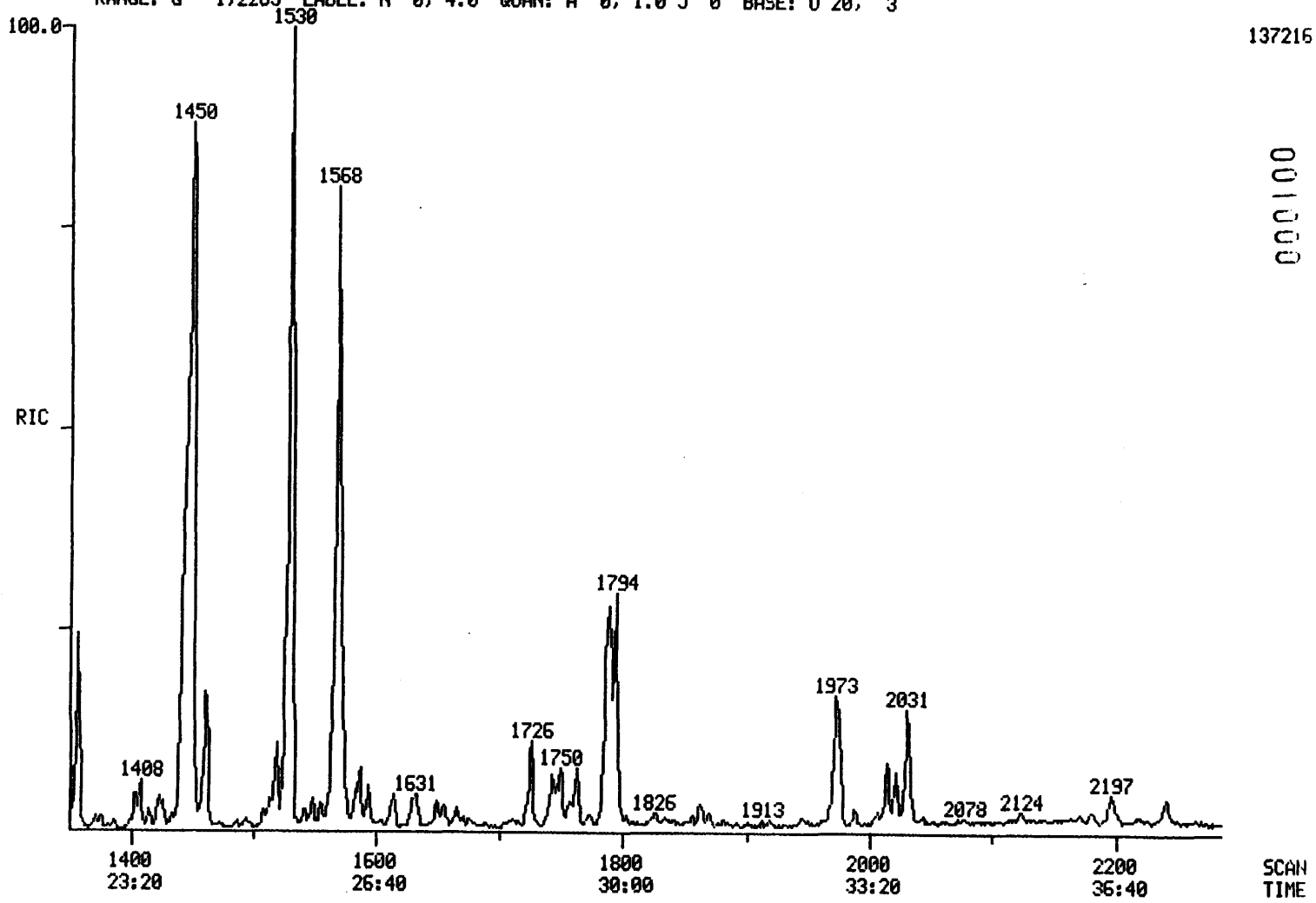
CHESTER LABNET DC # ---14

RIC
03/17/93 11:11:00
SAMPLE: SC-PW 6 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C24 #1
CALI: 4U03101C24 #3

SCANS 1350 TO 2285

137216.



INST ID: 4530

001000

011150

011150

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011151

SAMPLE ID.	SC-PW 6 (-10+200)		
FILENAME	4U03101C24	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 11:11:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	1.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AR
509	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	26 MG/KG	1.000	27
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	26 MG/KG	1.000	77
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	26 MG/KG	1.000	41
1309	CI60	PHENANTHRENE-D10 ** IS4 **	188	26 MG/KG	1.000	51
1790	CI70	CHRYSENE-D12 ** IS5 **	240	26 MG/KG	1.000	27
2031	CI75	PERYLENE-D12 ** IS6 **	264	26 MG/KG	1.000	26
1018	C540	ACENAPHTHYLENE	152	1 MG/KG	0.972	3
1061	C550	ACENAPHTHENE	153	2 MG/KG	1.013	2
1313	C640	PHENANTHRENE	178	30 MG/KG	1.003	69
1321	C645	ANTHRACENE	178	24 MG/KG	1.009	54
1530	C655	FLUORANTHENE	202	125 MG/KG	1.169	254
1568	C715	PYRENE	202	105 MG/KG	0.876	168
1787	C730	BENZO(A)ANTHRACENE	228	39 MG/KG	0.998	55
1794	C740	CHRYSENE	228	37 MG/KG	1.002	44
1973	C765	BENZO(B)FLUORANTHENE	252	19 MG/KG	0.971	32
1975	C770	BENZO(K)FLUORANTHENE	252	13 MG/KG	0.972	17
2021	C775	BENZO(A)PYRENE	252	9 MG/KG	0.995	11
2196	C780	INDENO(1,2,3-CD)PYRENE	276	6 MG/KG	1.081	7
2200	C785	DIBENZO(A,H)ANTHRACENE	278	2 MG/KG	1.083	2
2241	C790	BENZO(GHI)PERYLENE	276	6 MG/KG	1.103	7

SURROGATES WERE DILUTED OUT

011152

INST ID: 4910 SAMPLE NUMBER: SC-PW 6 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310125
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C25
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	40
C740	CHRYSENE	10	32
C765	BENZO(B)FLUORANTHENE	10	26
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	11
C780	INDENO(1,2,3-CD)PYRENE	10	7 J
C785	DIBENZO(A,H)ANTHRACENE	10	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000102

011153

INST ID: 4310 SAMPLE NUMBER: SC-PW 6 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310125
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: PB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

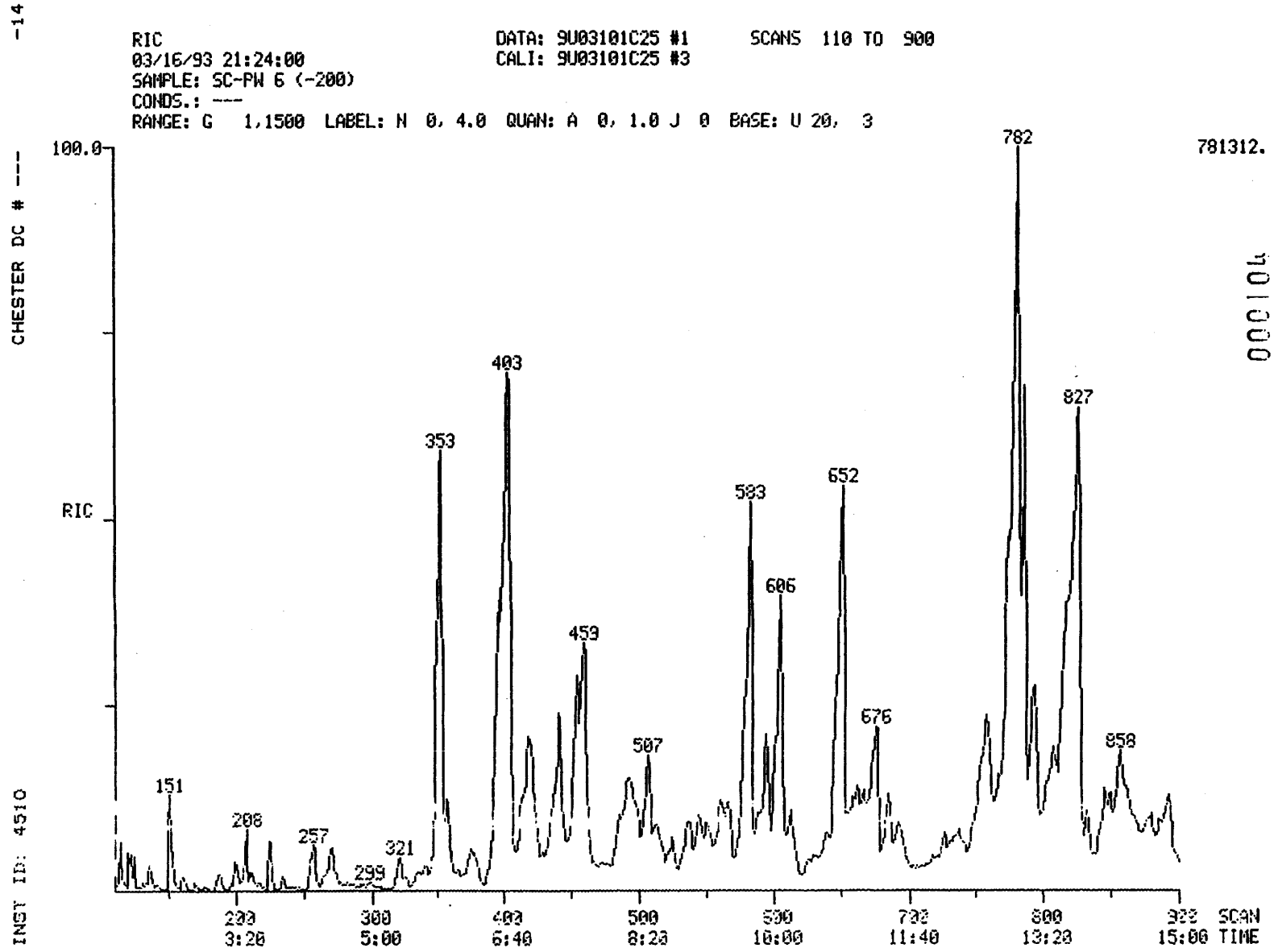
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C25
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	240
C540	ACENAPHTHYLENE	10	4 J
C550	ACENAPHTHENE	10	230
C590	FLUORENE	10	270
C640	PHENANTHRENE	10	700
C645	ANTHRACENE	10	160
C655	FLUORANTHENE	10	230
C715	PYRENE	10	200
C730	BENZO(A)ANTHRACENE	10	40
C740	CHRYSENE	10	32
C765	BENZO(B)FLUORANTHENE	10	26
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	11
C780	INDENO(1,2,3-CD)PYRENE	10	7 J
C785	DIBENZO(A,H)ANTHRACENE	10	1 J
C790	BENZO(GHI)PERYLENE	10	6 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


-14
CHESTER DC # ---
INST ID: 4510
RIC
03/16/93 21:24:00
SAMPLE: SC-PW 6 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U03101C25 #1
CALI: 9U03101C25 #3
SCANS 110 TO 900
781312.
100.0
RIC
151
208
257
299
321
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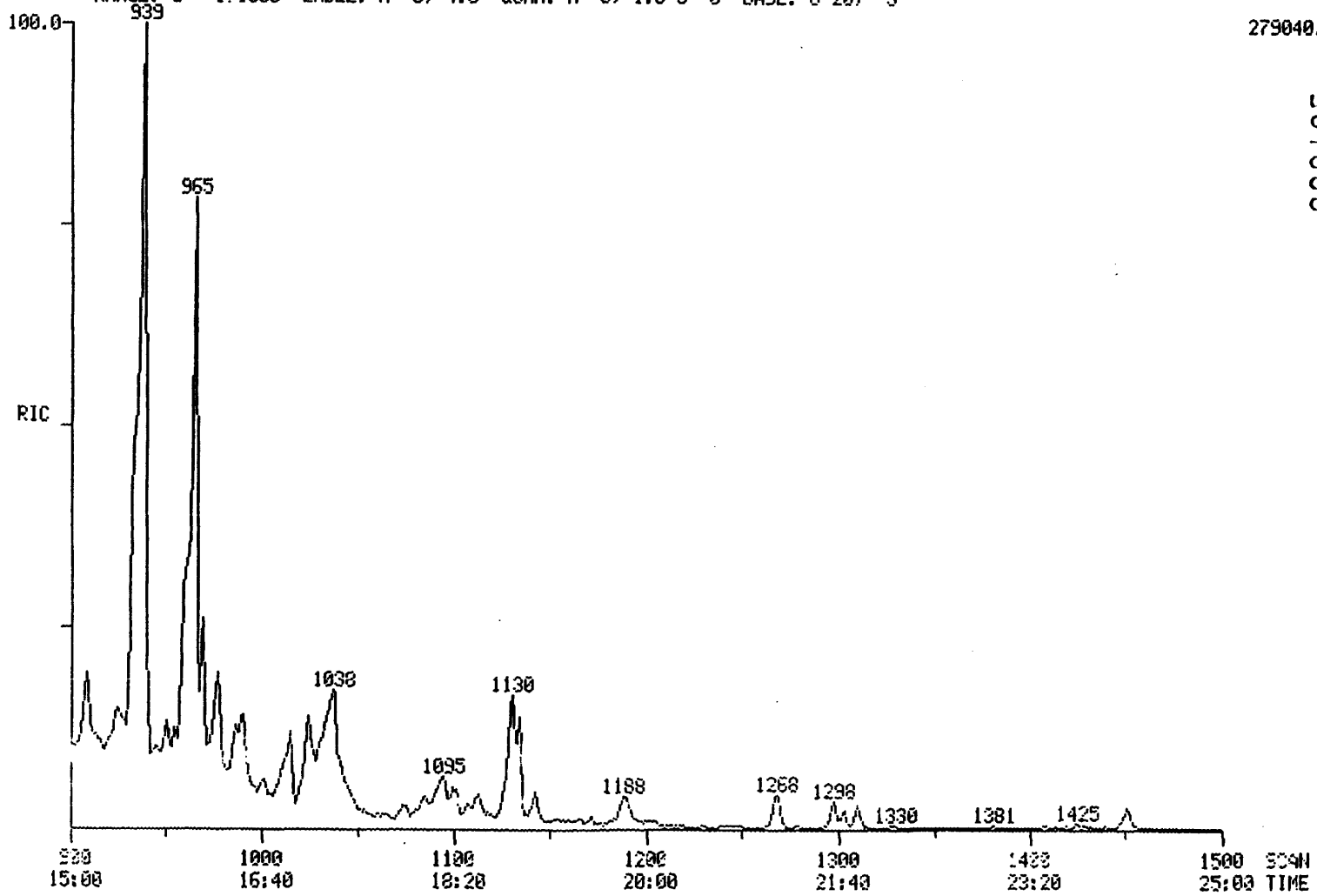
403
459
507
583
606
652
676
782
827
858
200 3:20
300 5:00
400 6:40
500 8:20
600 10:00
700 11:40
800 13:20
900 15:00
SCAN
TIME

011154

-14

RIC
03/16/93 21:24:00
SAMPLE: SC-PW 6 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C25 #1 SCANS 900 TO 1500
CALI: 9U03101C25 #3



279040.

CHESTER DC # ---

INST ID: 4510

501000

011155

011155

011156

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 6 (-200)

FILENAME 9U03101C25 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 21:24:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1620
349	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	6614
578	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	3377
776	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	4392
1131	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1810
1310	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	1053
271	CS20	NITROBENZENE-D5 ** SU3 **	82	84 %	0.777	4816
499	CS25	2-FLUOROBIPHENYL ** SU4 **	172	18 %	0.863	2085
1002	CS30	TERPHENYL-D14 ** SU6 **	244	3 %	0.886	201
352	C450	NAPHTHALENE	128	237 UG/L	1.009	80935
535	C540	ACENAPHTHYLENE	152	4 UG/L	0.960	1260
583	C550	ACENAPHTHENE	153	230 UG/L	1.009	41768
652	C590	FLUORENE	166	270 UG/L	1.128	57930
782	C640	PHENANTHRENE	178	702 UG/L	1.008	194187
787	C645	ANTHRACENE	178	156 UG/L	1.014	42737
939	C655	FLUORANTHENE	202	231 UG/L	1.210	53280
965	C715	PYRENE	202	196 UG/L	0.853	33114
1139	C730	BENZO(A)ANTHRACENE	228	40 UG/L	0.998	5451
1134	C740	CHRYSENE	228	32 UG/L	1.003	3128
1267	C765	BENZO(B)FLUORANTHENE	252	26 UG/L	0.967	2346
1303	C775	BENZO(A)PYRENE	252	11 UG/L	0.995	716
1425	C780	INDENO(1,2,3-CD)PYRENE	276	7 UG/L	1.088	272
1430	C785	DIBENZO(A,H)ANTHRACENE	278	1 UG/L	1.092	36
1449	C790	BENZO(GHI)PERYLENE	276	6 UG/L	1.106	266

011157

CHESTER LABNET DC # --- 8

INST ID: 4530

SAMPLE NUMBER: SC-PW 7 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310126
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

DATAFILE: 4U03101C26

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	680	920
C740	CHRYSENE	680	1100
C765	BENZO(B)FLUORANTHENE	680	480 J
C770	BENZO(K)FLUORANTHENE	680	490 J
C775	BENZO(A)PYRENE	680	280 J
C780	INDENO(1,2,3-CD)PYRENE	680	230 J
C785	DIBENZO(A,H)ANTHRACENE	680	53 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000107

011158

INST ID: 4530 SAMPLE NUMBER: SC-PW 7 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310126 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C26
DATE EXTRACTED: 03/17/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND (MICROGRAMS / KG)
C450	NAPHTHALENE	680 U	
C540	ACENAPHTHYLENE	680 U	
C550	ACENAPHTHENE	680 U	
C590	FLUORENE	680 U	
C640	PHENANTHRENE	680	780
C645	ANTHRACENE	680	670 J
C655	FLUORANTHENE	680	3800
C715	PYRENE	680	3300
C730	BENZO(A)ANTHRACENE	680	920
C740	CHRYSENE	680	1100
C765	BENZO(B)FLUORANTHENE	680	480 J
C770	BENZO(K)FLUORANTHENE	680	490 J
C775	BENZO(A)PYRENE	680	280 J
C780	INDENO(1,2,3-CD)PYRENE	680	230 J
C785	DIBENZO(A,H)ANTHRACENE	680	53 J
C790	BENZO(GHI)PERYLENE	680	230 J

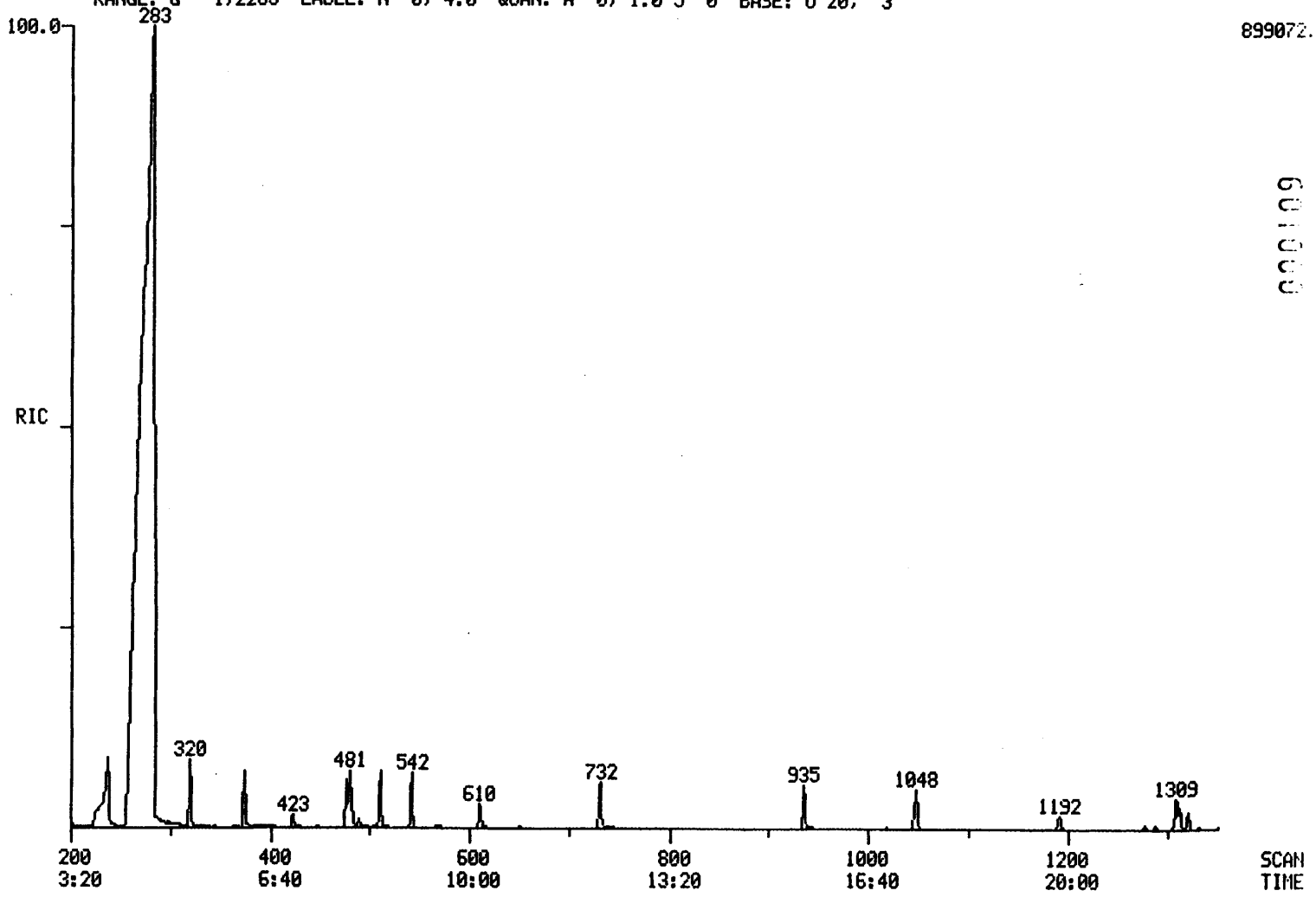
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/17/93 11:59:00
SAMPLE: SC-PW 7 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C26 #1
CALI: 4U03101C26 #3

SCANS 200 TO 1350



899072.

INST ID: 4530

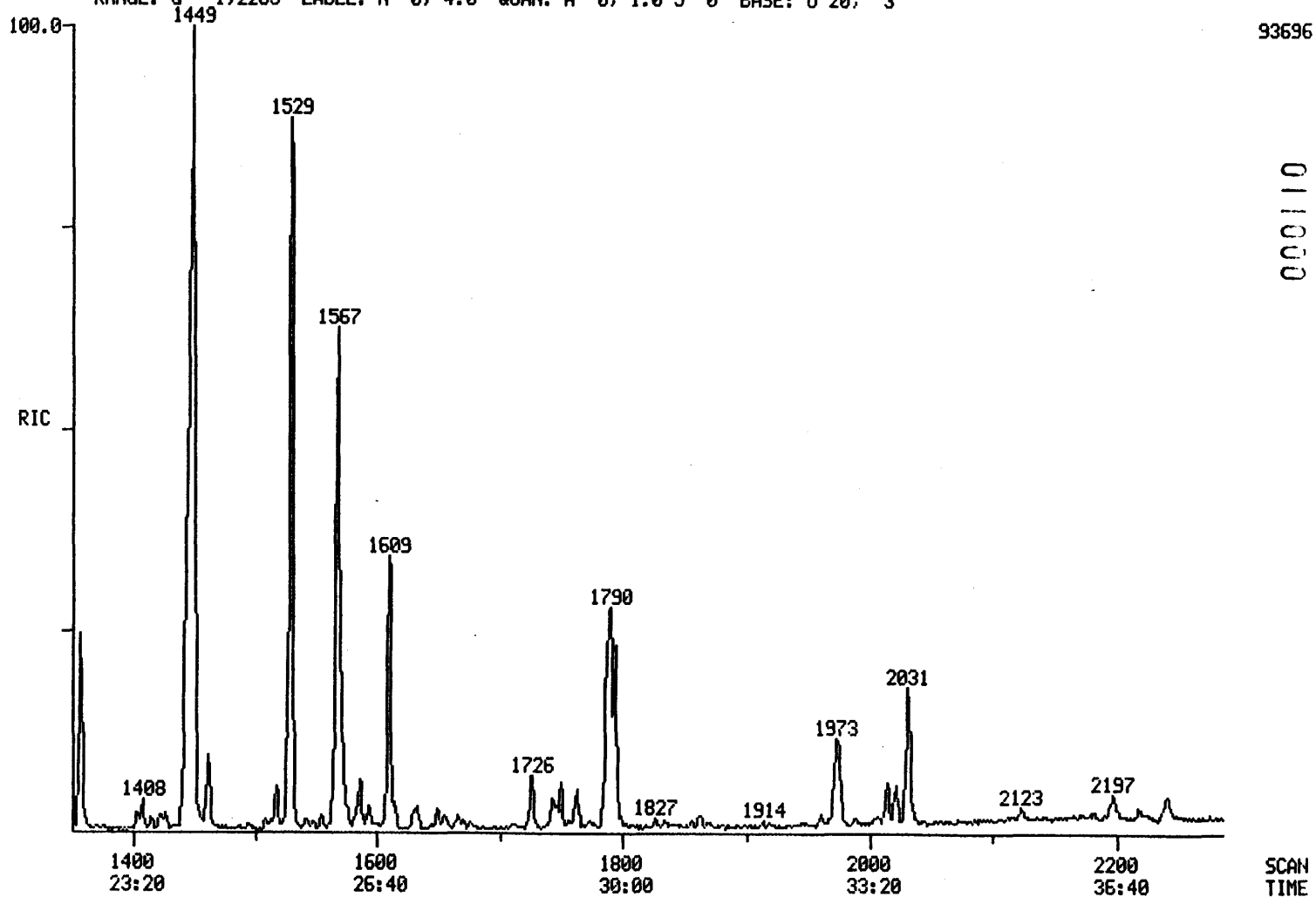
011159

CHESTER LABNET DC # ---14

RIC
03/17/93 11:59:00
SAMPLE: SC-PW 7 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C26 #1
CALI: 4U03101C26 #3

SCANS 1350 TO 2285



INST ID: 4530

011160

011160

011160

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011161

SAMPLE ID.	SC-PW 7 (+10)		
FILENAME	4U03101C26	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 11:59:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	68.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1360 UG/KG	1.000	271
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	1360 UG/KG	1.000	853
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1360 UG/KG	1.000	379
1309	CI60	PHENANTHRENE-D10 ** IS4 **	188	1360 UG/KG	1.000	469
1790	CI70	CHRYSENE-D12 ** IS5 **	240	1360 UG/KG	1.000	266
2031	CI75	PERYLENE-D12 ** IS6 **	264	1360 UG/KG	1.000	219
320	CS50	2-FLUOROPHENOL ** SU1 **	112	30 %	0.626	520
477	CS45	PHENOL-D5 ** SU2 **	99	37 %	0.933	679
1191	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	41 %	1.138	52
481	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	24 %	0.941	464
542	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	39 %	1.061	237
610	CS20	NITROBENZENE-D5 ** SU3 **	82	36 %	0.834	293
935	CS25	2-FLUOROBIPHENYL **SU4 **	172	36 %	0.893	517
1609	CS30	TERPHENYL-D14 ** SU6 **	244	49 %	0.899	420
1313	C640	PHENANTHRENE	178	776 UG/KG	1.003	309
1321	C645	ANTHRACENE	178	669 UG/KG	1.009	270
1529	C655	FLUORANTHENE	202	3791 UG/KG	1.168	1350
1567	C715	PYRENE	202	3267 UG/KG	0.875	963
1787	C730	BENZO(A)ANTHRACENE	228	916 UG/KG	0.998	238
1794	C740	CHRYSENE	228	1071 UG/KG	1.002	235
1972	C765	BENZO(B)FLUORANTHENE	252	484 UG/KG	0.971	129
1975	C770	BENZO(K)FLUORANTHENE	252	485 UG/KG	0.972	104
2021	C775	BENZO(A)PYRENE	252	283 UG/KG	0.995	58
2197	C780	INDENO(1,2,3-CD)PYRENE	276	235 UG/KG	1.082	49
2200	C785	DIBENZO(A,H)ANTHRACENE	278	53 UG/KG	1.083	10
2241	C790	BENZO(GHI)PERYLENE	276	227 UG/KG	1.103	48

011162

INST ID: 4530 SAMPLE NUMBER: SC-PW 7 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310127
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

DATAFILE: 4U03101C27

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	13	21
C740	CHRYSENE	13	23
C765	BENZO(B)FLUORANTHENE	13	12 J
C770	BENZO(K)FLUORANTHENE	13	5 J
C775	BENZO(A)PYRENE	13	6 J
C780	INDENO(1,2,3-CD)PYRENE	13	2 J
C785	DIBENZO(A,H)ANTHRACENE	13	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011163

INST ID: 4530 SAMPLE NUMBER: SC-PW 7 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310127 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C27
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

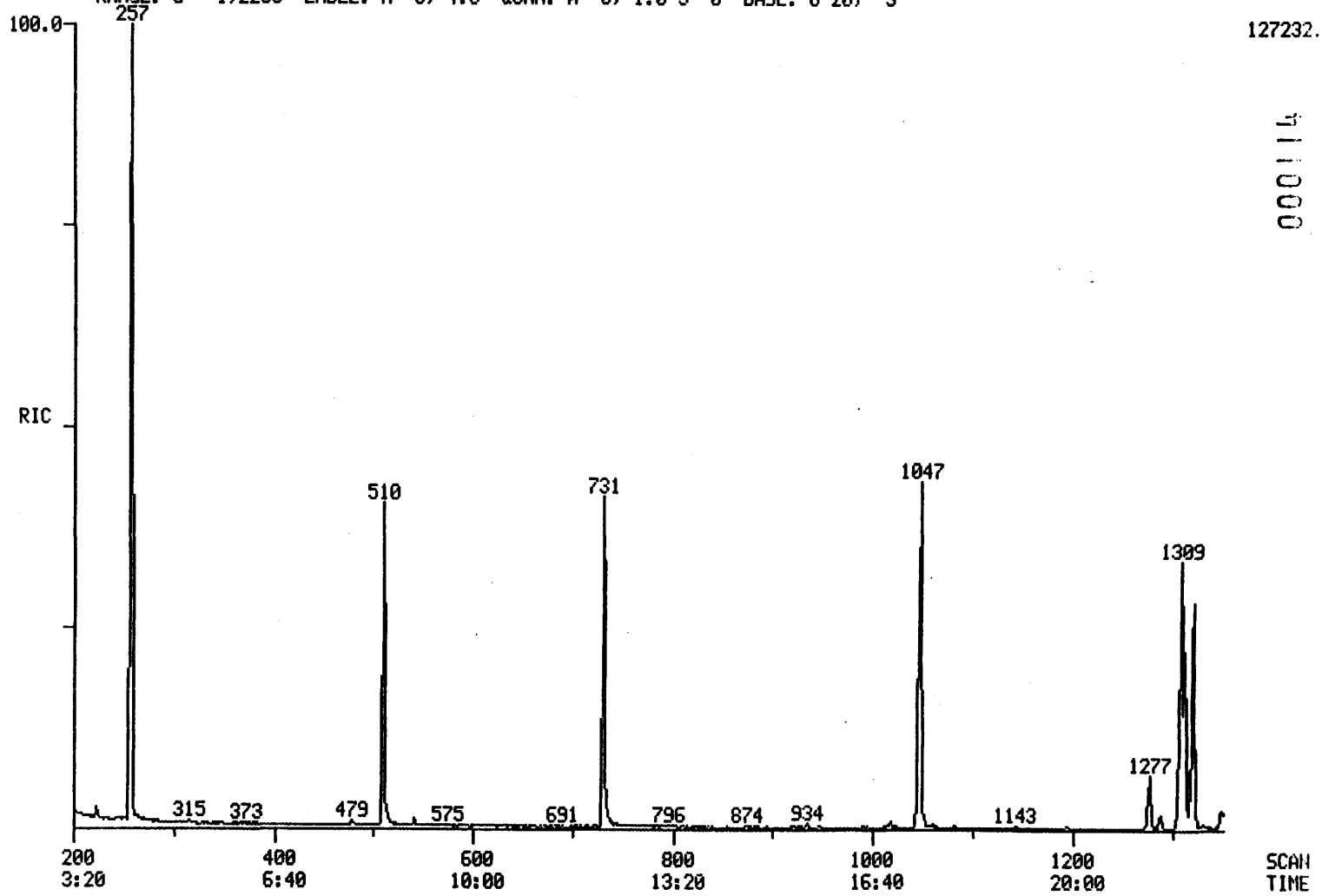
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	13 U	
C540	ACENAPHTHYLENE	13 U	
C550	ACENAPHTHENE	13 U	
C590	FLUORENE	13 U	
C640	PHENANTHRENE	13	17
C645	ANTHRACENE	13	19
C655	FLUORANTHENE	13	72
C715	PYRENE	13	52
C730	BENZO(A)ANTHRACENE	13	21
C740	CHRYSENE	13	23
C765	BENZO(B)FLUORANTHENE	13	12 J
C770	BENZO(K)FLUORANTHENE	13	5 J
C775	BENZO(A)PYRENE	13	6 J
C780	INDENO(1,2,3-CD)PYRENE	13	2 J
C785	DIBENZO(A,H)ANTHRACENE	13	1 J
C790	BENZO(GHI)PERYLENE	13	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/17/93 12:46:00
SAMPLE: SC-PW 7 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C27 #1 SCANS 200 TO 1350
CALI: 4U03101C27 #3



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011000

INST ID: 4530

011164

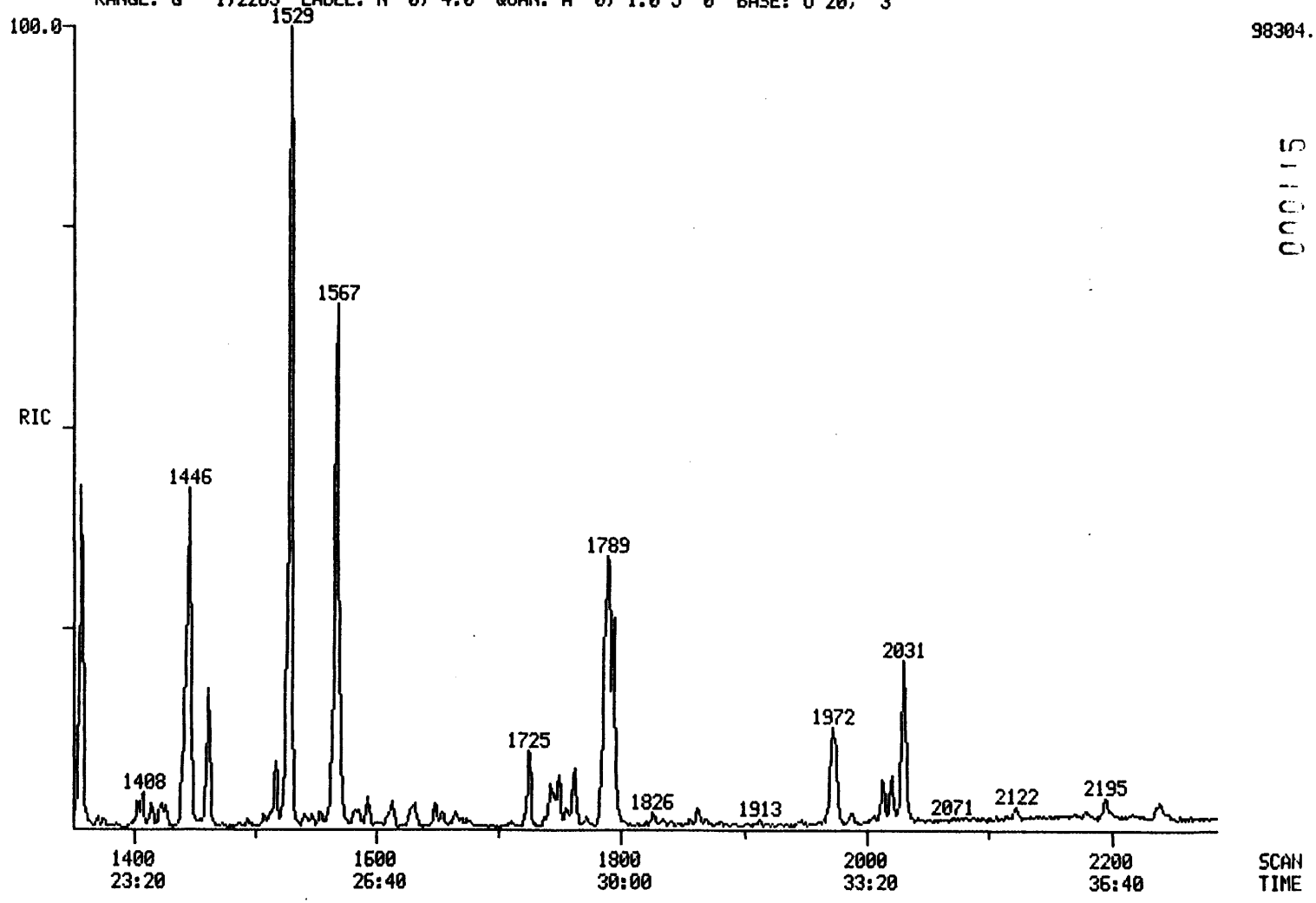
011164

CHESTER LABNET DC # ---14

RIC
03/17/93 12:46:00
SAMPLE: SC-PW 7 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C27 #1
CALI: 4U03101C27 #3

SCANS 1350 TO 2285



INST ID: 4530

011165

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011166

SAMPLE ID.	SC-PW 7 (-10+200)		
FILENAME	4U03101C27	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 12:46:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	1.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARI
510	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	26 MG/KG	1.000	25
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	26 MG/KG	1.000	76
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	26 MG/KG	1.000	45
1309	CI60	PHENANTHRENE-D10 ** IS4 **	188	26 MG/KG	1.000	53
1790	CI70	CHRYSENE-D12 ** IS5 **	240	26 MG/KG	1.000	32
2030	CI75	PERYLENE-D12 ** IS6 **	264	26 MG/KG	1.000	28
1313	C640	PHENANTHRENE	178	17 MG/KG	1.003	41
1321	C645	ANTHRACENE	178	19 MG/KG	1.009	47
1529	C655	FLUORANTHENE	202	72 MG/KG	1.168	154
1567	C715	PYRENE	202	52 MG/KG	0.875	99
1787	C730	BENZO(A)ANTHRACENE	228	21 MG/KG	0.998	35
1794	C740	CHRYSENE	228	23 MG/KG	1.002	32
1972	C765	BENZO(B)FLUORANTHENE	252	12 MG/KG	0.971	22
1975	C770	BENZO(K)FLUORANTHENE	252	5 MG/KG	0.973	7
2021	C775	BENZO(A)PYRENE	252	6 MG/KG	0.996	8
2196	C780	INDENO(1,2,3-CD)PYRENE	276	2 MG/KG	1.082	3
2201	C785	DIBENZO(A,H)ANTHRACENE	278	1 MG/KG	1.084	
2240	C790	BENZO(GHI)PERYLENE	276	3 MG/KG	1.103	3

*SURROGATES WERE DILUTED OUT

000116

011166

011167

INST ID: 4510 SAMPLE NUMBER: SC-PW 7 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310128 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C28
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	110 *
C740	CHRYSENE	10	79
C765	BENZO(B)FLUORANTHENE	10	65
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	34
C780	INDENO(1,2,3-CD)PYRENE	10	24
C785	DIBENZO(A,H)ANTHRACENE	10	6 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:5 DILUTION

011168

INST ID: 4310 SAMPLE NUMBER: SC-PW 7 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310128 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C28
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	380
C540	ACENAPHTHYLENE	10	6 J
C550	ACENAPHTHENE	10	320
C590	FLUORENE	10	430
C640	PHENANTHRENE	10	670
C645	ANTHRACENE	10 U	R
C655	FLUORANTHENE	10	540
C715	PYRENE	10	430
C730	BENZO(A)ANTHRACENE	10	110
C740	CHRYSENE	10	79
C765	BENZO(B)FLUORANTHENE	10	65
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	34
C780	INDENO(1,2,3-CD)PYRENE	10	24
C785	DIBENZO(A,H)ANTHRACENE	10	6 J
C790	BENZO(GHI)PERYLENE	10	19

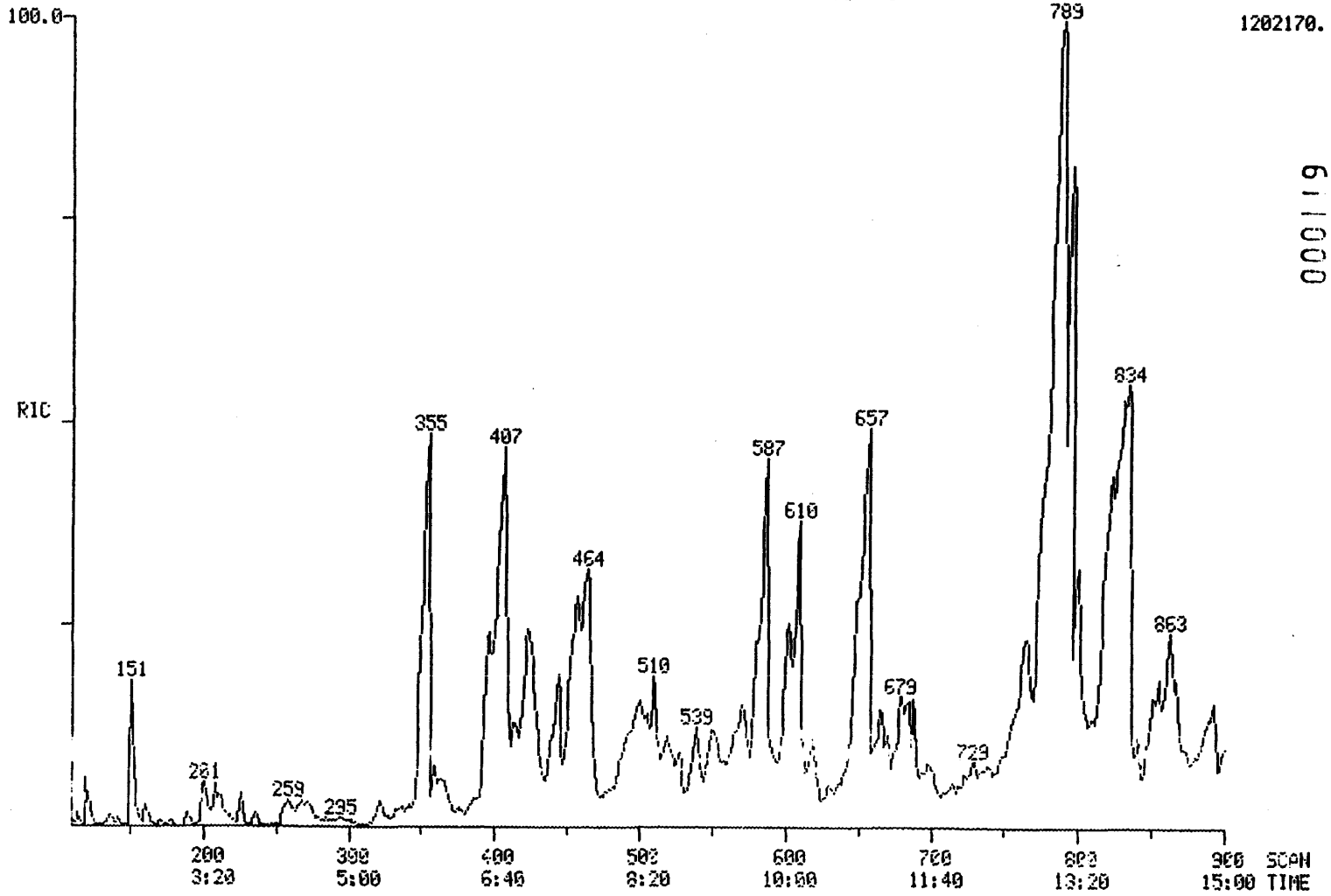
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000118

RIC
03/16/93 22:00:00
SAMPLE: SC-PW 7 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C28 #1
CALI: 9U03101C28 #3

SCANS 110 TO 900



CHESTER DC # ---

INST ID: 4510

-14

011000

011169

011169

-14

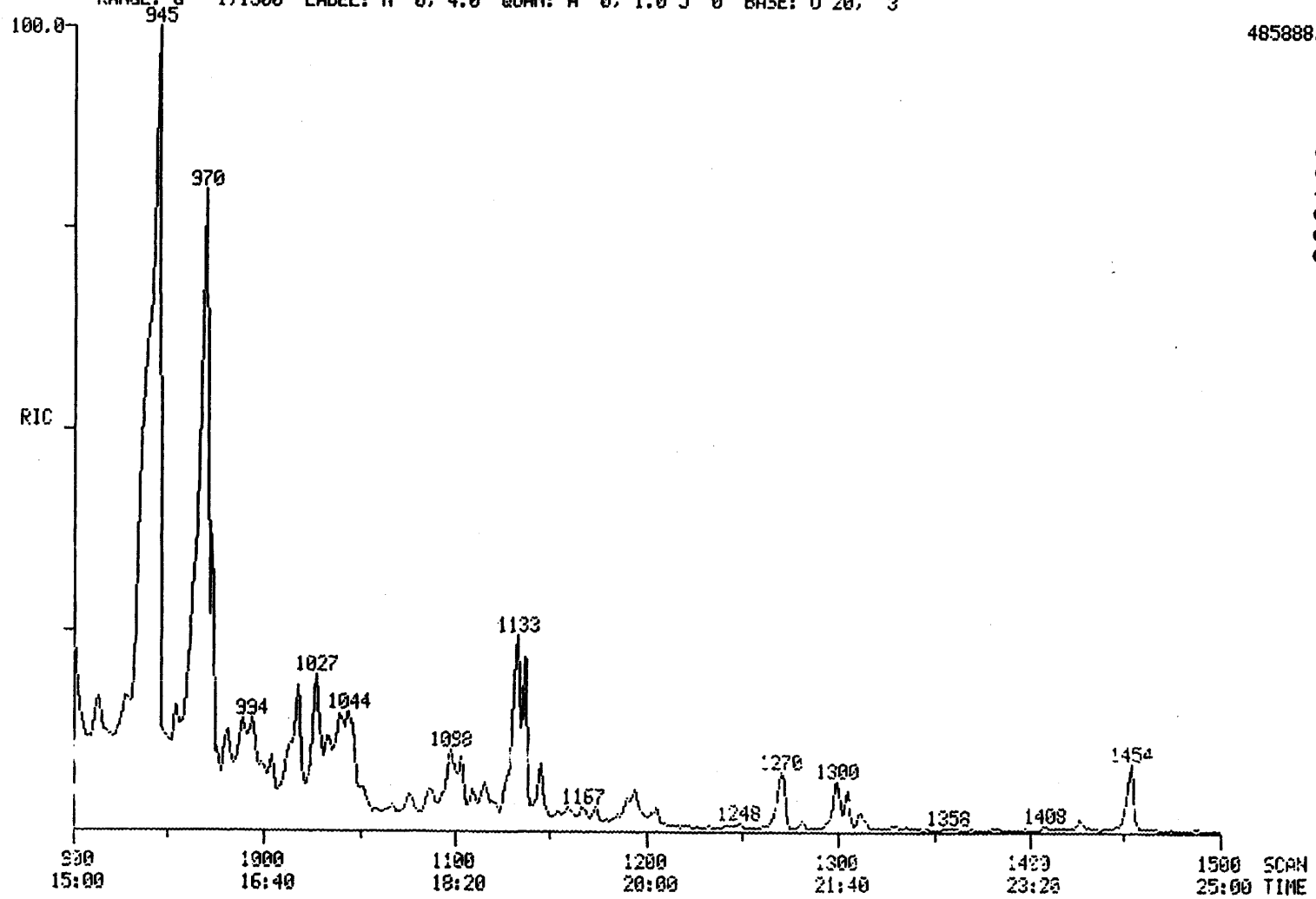
CHESTER DC # ---

INST ID: 4510

RIC
03/16/93 22:00:00
SAMPLE: SC-PW 7 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C28 #1
CALI: 9U03101C28 #3

SCANS 900 TO 1500



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U21000

011170

011170

011171

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-FW 7 (-200)

FILENAME 9U03101C28 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 22:00:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1645
351	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	6534
580	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	3945
784	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	4237
1134	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1957
1312	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	1216
272	CS20	NITROBENZENE-D5 ** SU3 **	82	79 %	0.775	4508
500	CS25	2-FLUOROBIPHENYL ** SU4 **	172	13 %	0.862	1734
1005	CS30	TERPHENYL-D14 ** SU6 **	244	4 %	0.886	233
355	C450	NAPHTHALENE	128	382 UG/L	1.011	128955
558	C540	ACENAPHTHYLENE	152	6 UG/L	0.962	2460
587	C550	ACENAPHTHENE	153	323 UG/L	1.012	68553
657	C590	FLUORENE	166	433 UG/L	1.133	108605
782	C640	PHENANTHRENE	178	674 UG/L	0.997	179747
945	C655	FLUORANTHENE	202	536 UG/L	1.205	119055
970	C715	PYRENE	202	427 UG/L	0.855	78010
1132	C730	BENZO(A)ANTHRACENE	228	113 UG/L	0.998	16518
1137	C740	CHRYSENE	228	79 UG/L	1.003	8501
1270	C765	BENZO(B)FLUORANTHENE	252	65 UG/L	0.968	6705
1305	C775	BENZO(A)PYRENE	252	34 UG/L	0.995	2505
1426	C780	INDENO(1,2,3-CD)PYRENE	276	24 UG/L	1.087	1127
1431	C785	DIBENZO(A,H)ANTHRACENE	278	6 UG/L	1.091	289
1451	C790	BENZO(GHI)PERYLENE	276	19 UG/L	1.106	993

011172

INST ID: 4530 SAMPLE NUMBER: SC-PW 8 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310129 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C29
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	31
C740	CHRYSENE	7	27
C765	BENZO(B)FLUORANTHENE	7	13
C770	BENZO(K)FLUORANTHENE	7	12
C775	BENZO(A)PYRENE	7	6 J
C780	INDENO(1,2,3-CD)PYRENE	7	4 J
C785	DIBENZO(A,H)ANTHRACENE	7	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011173

INST ID: 4530 SAMPLE NUMBER: SC-PW 8 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310129 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C29
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7 U	
C540	ACENAPHTHYLENE	7	1 J
C550	ACENAPHTHENE	7	3 J
C590	FLUORENE	7 U	
C640	PHENANTHRENE	7	140
C645	ANTHRACENE	7	42
C655	FLUORANTHENE	7	190
C715	PYRENE	7	160
C730	BENZO(A)ANTHRACENE	7	31
C740	CHRYSENE	7	27
C765	BENZO(B)FLUORANTHENE	7	13
C770	BENZO(K)FLUORANTHENE	7	12
C775	BENZO(A)PYRENE	7	6 J
C780	INDENO(1,2,3-CD)PYRENE	7	4 J
C785	DIBENZO(A,H)ANTHRACENE	7	1 J
C790	BENZO(GHI)PERYLENE	7	5 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

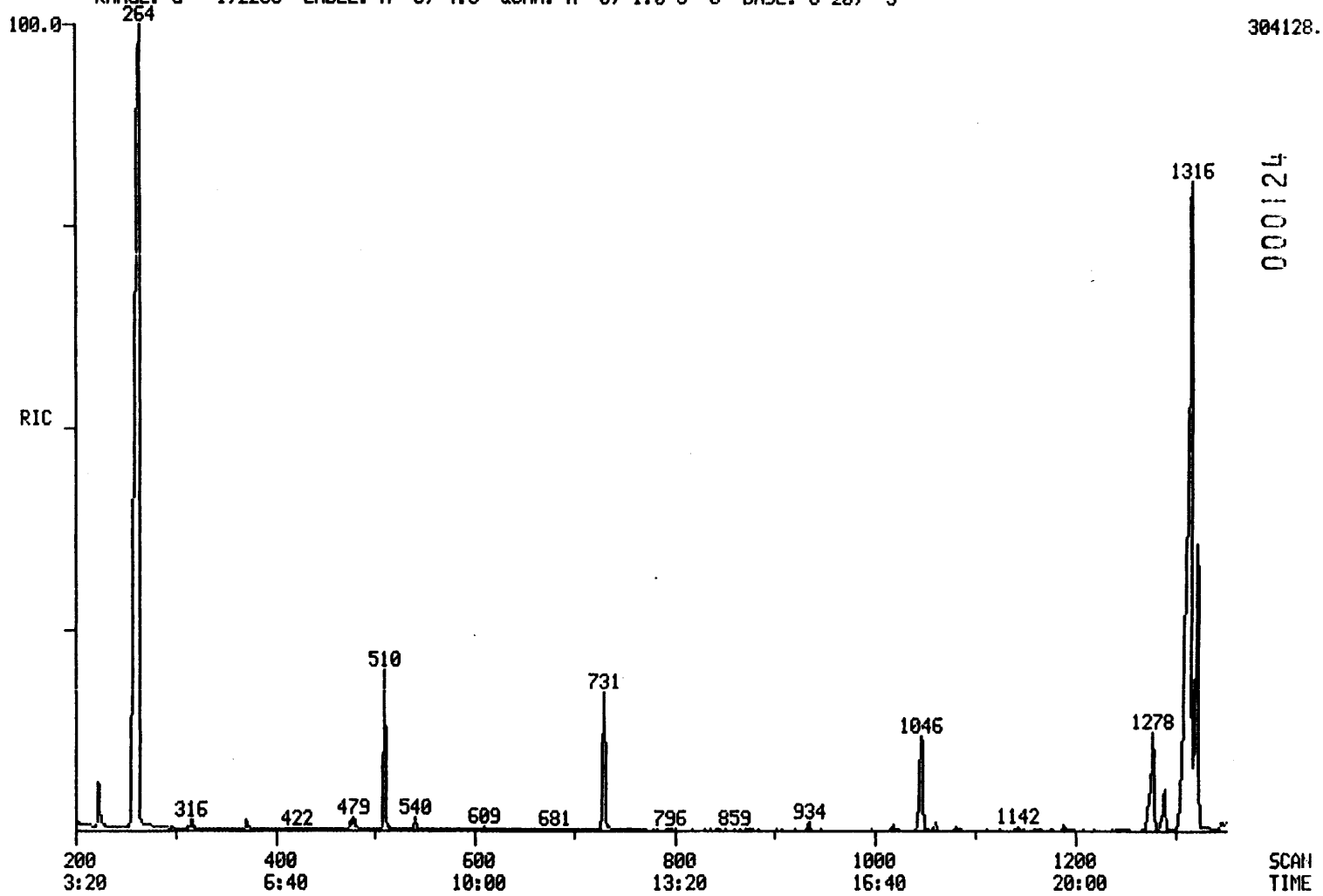
RIC
03/17/93 13:34:00
SAMPLE: SC-PW 8 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C29 #1
CALI: 4U03101C29 #3

SCANS 200 TO 1350

CHESTER LABNET DC # ---14

INST ID: 4530



304128.

000124

011174

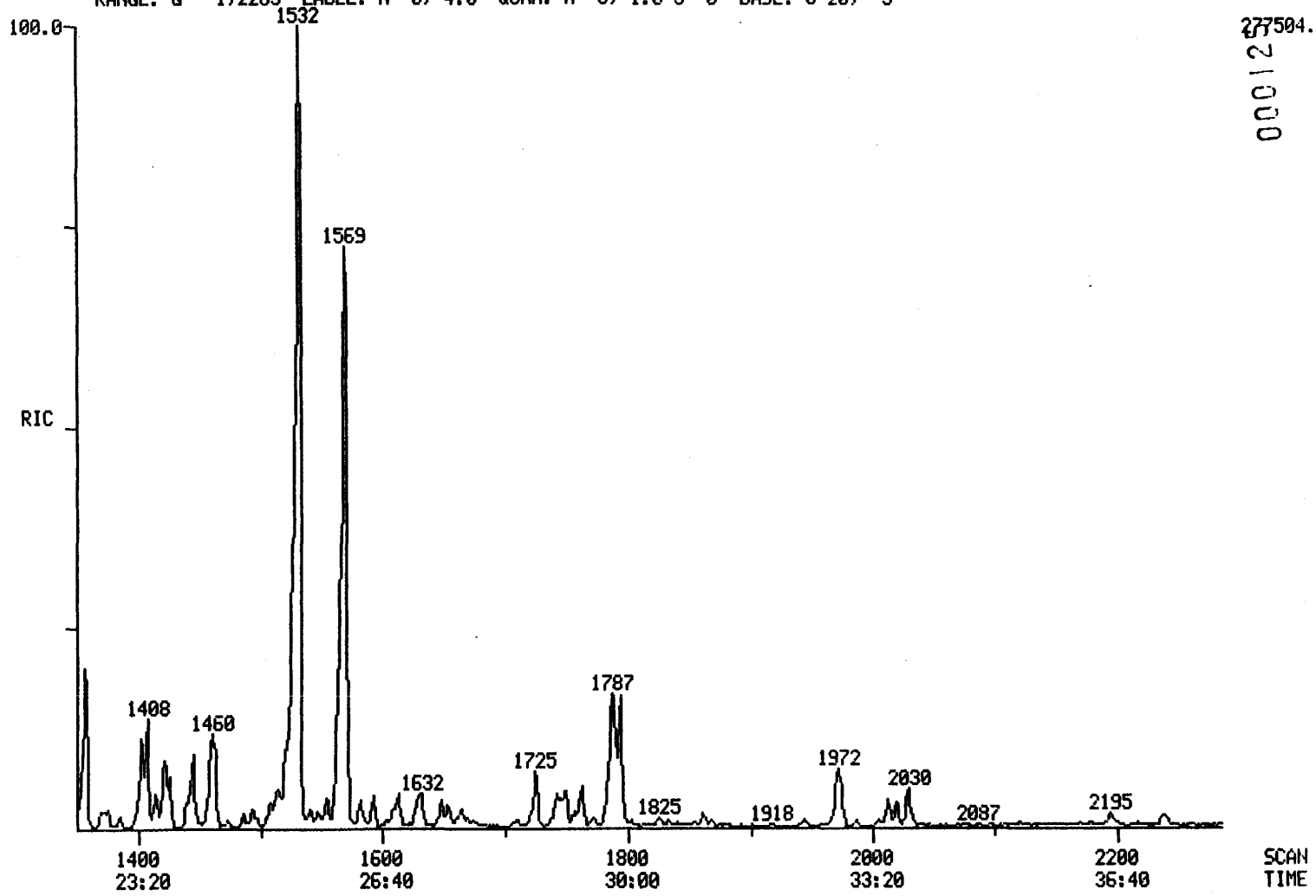
011174

CHESTER LABNET DC # ---14

RIC
03/17/93 13:34:00
SAMPLE: SC-PW 8 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C29 #1
CALI: 4U03101C29 #3

SCANS 1350 TO 2285



277504.

21000

INST ID: 4530

011175

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011176

SAMPLE ID.	SC-PW 8 (+10)		
FILENAME	4U03101C29	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 13:34:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
510	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	303
730	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	87E
1046	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	332
1310	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	451
1789	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	232
2029	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	176
1017	C540	ACENAPHTHYLENE	152	1 MG/KG	0.972	39
1060	C550	ACENAPHTHENE	153	3 MG/KG	1.013	64
1316	C640	PHENANTHRENE	178	142 MG/KG	1.005	5539
1322	C645	ANTHRACENE	178	42 MG/KG	1.009	1657
1532	C655	FLUORANTHENE	202	191 MG/KG	1.169	664E
1569	C715	PYRENE	202	158 MG/KG	0.877	4124
1787	C730	BENZO(A)ANTHRACENE	228	31 MG/KG	0.999	722
1794	C740	CHRYSENE	228	27 MG/KG	1.003	527
1972	C765	BENZO(B)FLUORANTHENE	252	13 MG/KG	0.972	294
1974	C770	BENZO(K)FLUORANTHENE	252	12 MG/KG	0.973	202
2020	C775	BENZO(A)PYRENE	252	6 MG/KG	0.996	10E
2195	C780	INDENO(1,2,3-CD)PYRENE	276	4 MG/KG	1.082	75
2199	C785	DIBENZO(A,H)ANTHRACENE	278	1 MG/KG	1.084	22
2239	C790	BENZO(GHI)PERYLENE	276	5 MG/KG	1.103	81

*SURROGATES WERE DILUTED OUT

011177

INST ID: 4530 SAMPLE NUMBER: SC-PW 8 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310130 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C30A
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	13	64
C740	CHRYSENE	13	51
C765	BENZO(B)FLUORANTHENE	13	35
C770	BENZO(K)FLUORANTHENE	13	21
C775	BENZO(A)PYRENE	13	14
C780	INDENO(1,2,3-CD)PYRENE	13	9 J
C785	DIBENZO(A,H)ANTHRACENE	13	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

INST ID: 4530 SAMPLE NUMBER: SC-PW 8 (-10+200)

011178

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310130 GC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C30A
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

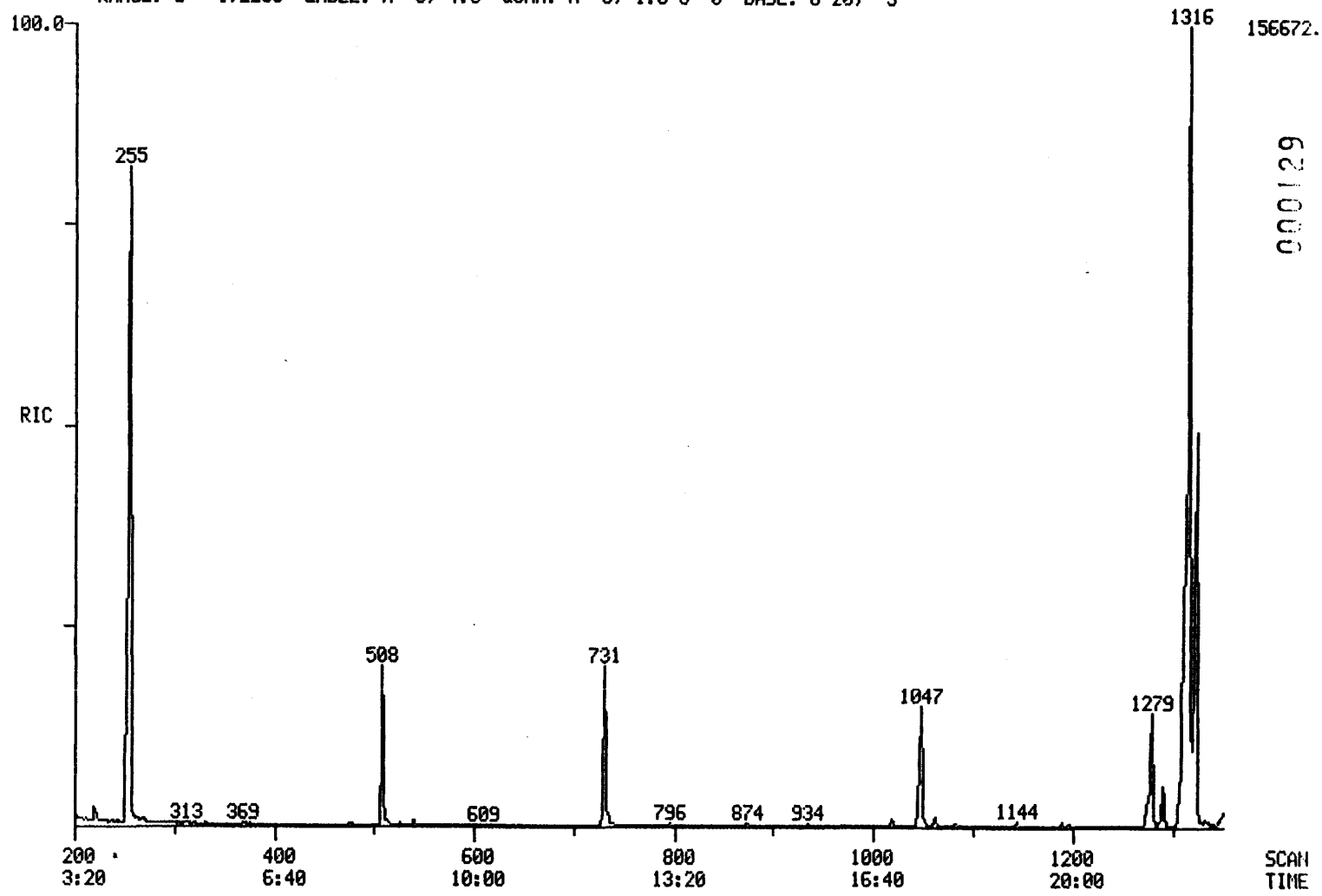
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	13	1 J
C540	ACENAPHTHYLENE	13	2 J
C550	ACENAPHTHENE	13 U	
C590	FLUORENE	13	2 J
C640	PHENANTHRENE	13	190
C645	ANTHRACENE	13	81
C655	FLUORANTHENE	13	280
C715	PYRENE	13	240
C730	BENZO(A)ANTHRACENE	13	64
C740	CHRYSENE	13	51
C765	BENZO(B)FLUORANTHENE	13	35
C770	BENZO(K)FLUORANTHENE	13	21
C775	BENZO(A)PYRENE	13	14
C780	INDENO(1,2,3-CD)PYRENE	13	9 J
C785	DIBENZO(A,H)ANTHRACENE	13	3 J
C790	BENZO(GHI)PERYLENE	13	9 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/17/93 19:54:00
SAMPLE: SC-PW 8 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C30A #1 SCANS 200 TO 1350
CALI: 4U03101C30A #3



INST ID: 4530

000129

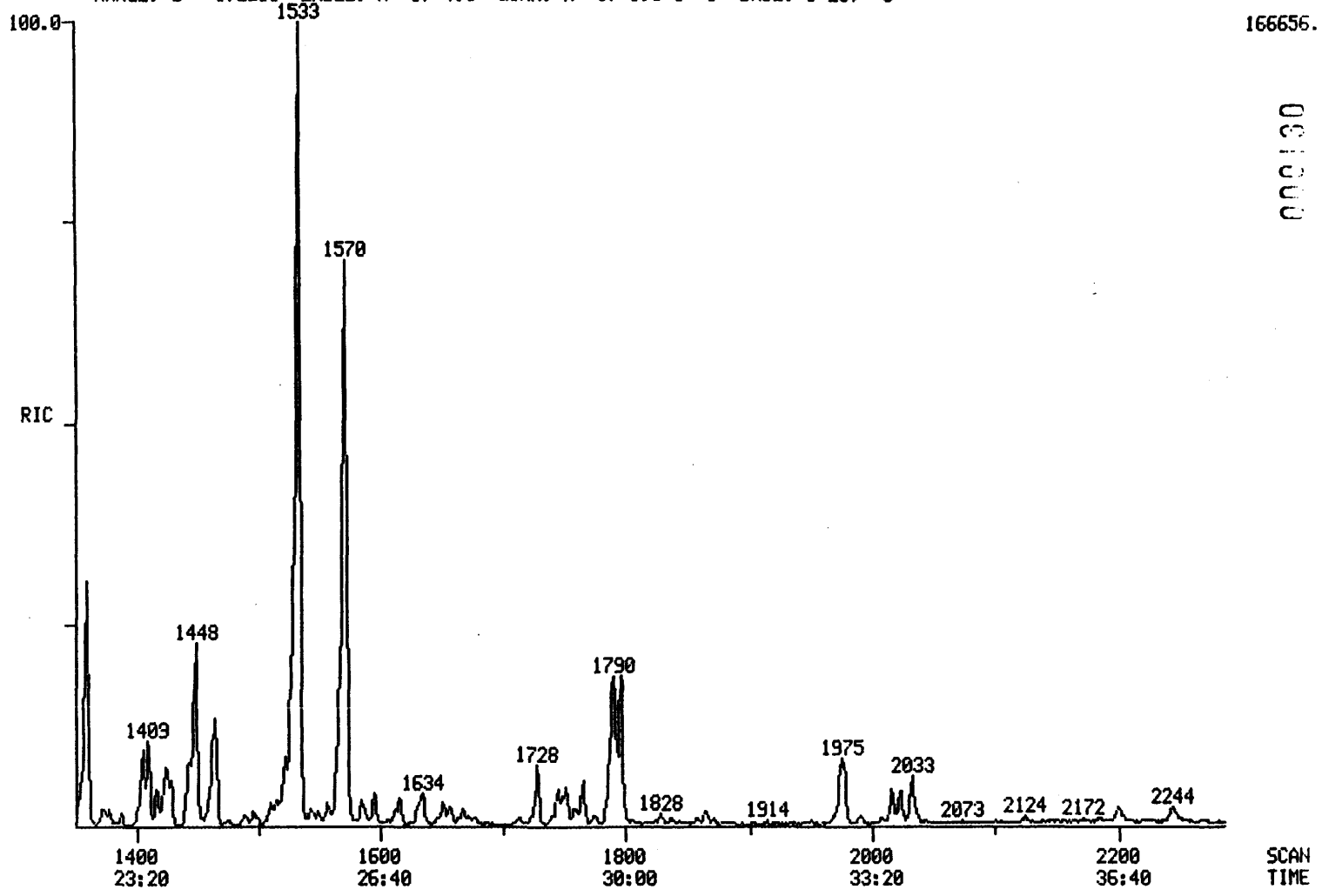
011179

011179

CHESTER LABNET DC # ---14

RIC
03/17/93 19:54:00
SAMPLE: SC-PW 8 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C30A #1 SCANS 1350 TO 2285
CALI: 4U03101C30A #3



INST ID: 4530

011180

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011181

SAMPLE ID.	SC-PW 8 (-10+200)		
FILENAME	4U03101C30A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 19:54:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	1.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
508	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	26 MG/KG	1.000	152
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	26 MG/KG	1.000	511
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	26 MG/KG	1.000	215
1311	CI60	PHENANTHRENE-D10 ** IS4 **	188	26 MG/KG	1.000	311
1792	CI70	CHRYSENE-D12 ** IS5 **	240	26 MG/KG	1.000	143
2033	CI75	PERYLENE-D12 ** IS6 **	264	26 MG/KG	1.000	130
734	C450	NAPHTHALENE	128	1 MG/KG	1.004	14
1018	C540	ACENAPHTHYLENE	152	2 MG/KG	0.972	29
1144	C590	FLUORENE	166	2 MG/KG	1.093	16
1316	C640	PHENANTHRENE	178	189 MG/KG	1.004	2612
1323	C645	ANTHRACENE	178	81 MG/KG	1.009	1136
1533	C655	FLUORANTHENE	202	278 MG/KG	1.169	3429
1570	C715	PYRENE	202	244 MG/KG	0.876	2028
1789	C730	BENZO(A)ANTHRACENE	228	64 MG/KG	0.998	468
1796	C740	CHRYSENE	228	51 MG/KG	1.002	314
1975	C765	BENZO(B)FLUORANTHENE	252	35 MG/KG	0.971	289
1976	C770	BENZO(K)FLUORANTHENE	252	21 MG/KG	0.972	139
2023	C775	BENZO(A)PYRENE	252	14 MG/KG	0.995	90
2199	C780	INDENO(1,2,3-CD)PYRENE	276	9 MG/KG	1.082	58
2202	C785	DIBENZO(A,H)ANTHRACENE	278	3 MG/KG	1.083	18
2244	C790	BENZO(GHI)PERYLENE	276	9 MG/KG	1.104	62

SURROGATES,WERE DILUTED OUT

011182

INST ID: 4310 SAMPLE NUMBER: SC-PW 8 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310131 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C31
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	~~200~~ * 210
C740	CHRYSENE	10	~~180~~ * 160
C765	BENZO(B)FLUORANTHENE	10	~~120~~ * 130
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	70
C780	INDENO(1,2,3-CD)PYRENE	10	51
C785	DIBENZO(A,H)ANTHRACENE	10	13

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:10 DILUTION

000132

011183

INST ID: 4510 SAMPLE NUMBER: SC-PW 8 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310131
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

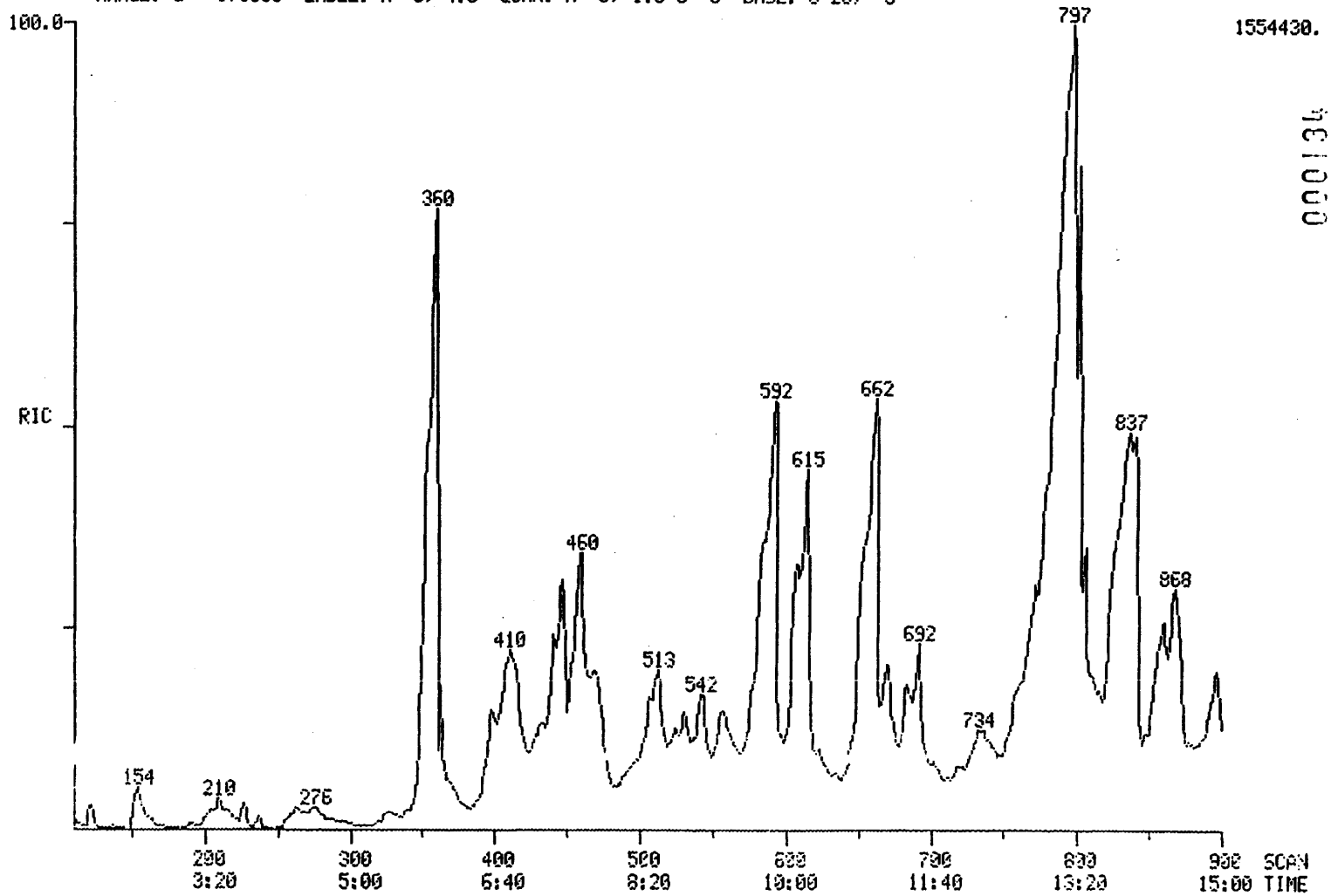
DATAFILE: 9U03101C31
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	340
C540	ACENAPHTHYLENE	10	16
C550	ACENAPHTHENE	10	930
C590	FLUORENE	10	880
C640	PHENANTHRENE	10	850
C645	ANTHRACENE	10 U	R
C655	FLUORANTHENE	10	990
C715	PYRENE	10	720
C730	BENZO(A)ANTHRACENE	10	210
C740	CHRYSENE	10	160
C765	BENZO(B)FLUORANTHENE	10	130
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	70
C780	INDENO(1,2,3-CD)PYRENE	10	51
C785	DIBENZO(A,H)ANTHRACENE	10	13
C790	BENZO(GHI)PERYLENE	10	46

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

RIC
03/16/93 23:10:00
SAMPLE: SC-PW 8 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C31 #1 SCANS 110 TO 900
CALI: 9U03101C31 #3



CHESTER DC # ---
INST ID: 4510
-14

011184

-14

CHESTER DC # ---

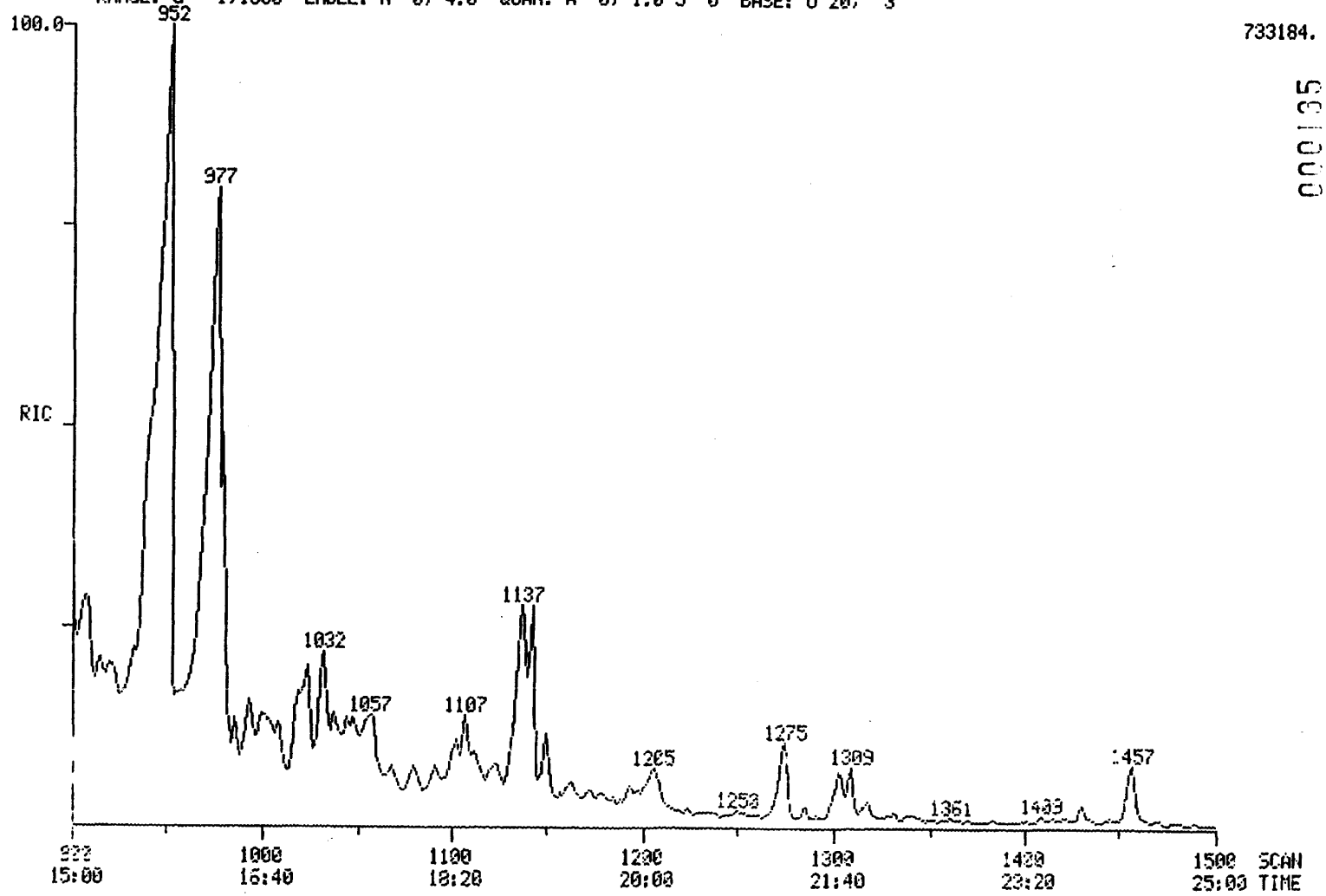
INST ID: 4510

RIC
03/16/93 23:10:00
SAMPLE: SC-PW 8 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C31 #1
CALI: 9U03101C31 #3

SCANS 900 TO 1500

733184.



011185

CHESTER DC # --- -14

011186

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 8 (-200)

FILENAME 9U03101C31 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 23:10:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
209	C130	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1765
353	C140	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	6822
585	C150	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	3142
789	C160	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	3945
1138	C170	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1962
1315	C175	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	1236
275	C320	NITROBENZENE-D5 ** SU3 **	82	70 %	0.779	4155
503	C325	2-FLUOROBIPHENYL ** SU4 **	172	13 %	0.860	1410
1008	C330	TERPHENYL-D14 ** SU6 **	244	4 %	0.886	290
353	C450	NAPHTHALENE	128	337 UG/L	1.000	118859
562	C540	ACENAPHTHYLENE	152	16 UG/L	0.961	4884
592	C550	ACENAPHTHENE	153	931 UG/L	1.012	157556
662	C590	FLUORENE	166	882 UG/L	1.132	176048
784	C640	PHENANTHRENE	178	849 UG/L	0.994	210878
952	C655	FLUORANTHENE	202	993 UG/L	1.207	205611
977	C715	PYRENE	202	718 UG/L	0.859	131682
1137	C730	BENZO(A)ANTHRACENE	228	206 UG/L	0.999	30302
1142	C740	CHRYSENE	228	155 UG/L	1.004	16654
1274	C765	BENZO(B)FLUORANTHENE	252	131 UG/L	0.969	13810
1309	C775	BENZO(A)PYRENE	252	70 UG/L	0.995	5279
1430	C780	INDENO(1,2,3-CD)PYRENE	276	51 UG/L	1.087	2390
1435	C785	DIBENZO(A,H)ANTHRACENE	278	13 UG/L	1.091	618
1455	C790	BENZO(GHI)PERYLENE	276	46 UG/L	1.106	2398

000136

011186

011187

INST ID: 4530 SAMPLE NUMBER: SC-PW 9 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310132 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C32
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	7
C740	CHRYSENE	7	7
C765	BENZO(B)FLUORANTHENE	7	4 J
C770	BENZO(K)FLUORANTHENE	7	2 J
C775	BENZO(A)PYRENE	7	2 J
C780	INDENO(1,2,3-CD)PYRENE	7	1 J
C785	DIBENZO(A,H)ANTHRACENE	7 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

INST ID: 4530 SAMPLE NUMBER: SC-PW 9 (+10)

011188

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310132 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C32
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7 U	
C540	ACENAPHTHYLENE	7 U	
C550	ACENAPHTHENE	7 U	
C590	FLUORENE	7 U	
C640	PHENANTHRENE	7	14
C645	ANTHRACENE	7	7
C655	FLUORANTHENE	7	34
C715	PYRENE	7	29
C730	BENZO(A)ANTHRACENE	7	7
C740	CHRYSENE	7	7
C765	BENZO(B)FLUORANTHENE	7	4 J
C770	BENZO(K)FLUORANTHENE	7	2 J
C775	BENZO(A)PYRENE	7	2 J
C780	INDENO(1,2,3-CD)PYRENE	7	1 J
C785	DIBENZO(A,H)ANTHRACENE	7 U	
C790	BENZO(GHI)PERYLENE	7	1 J

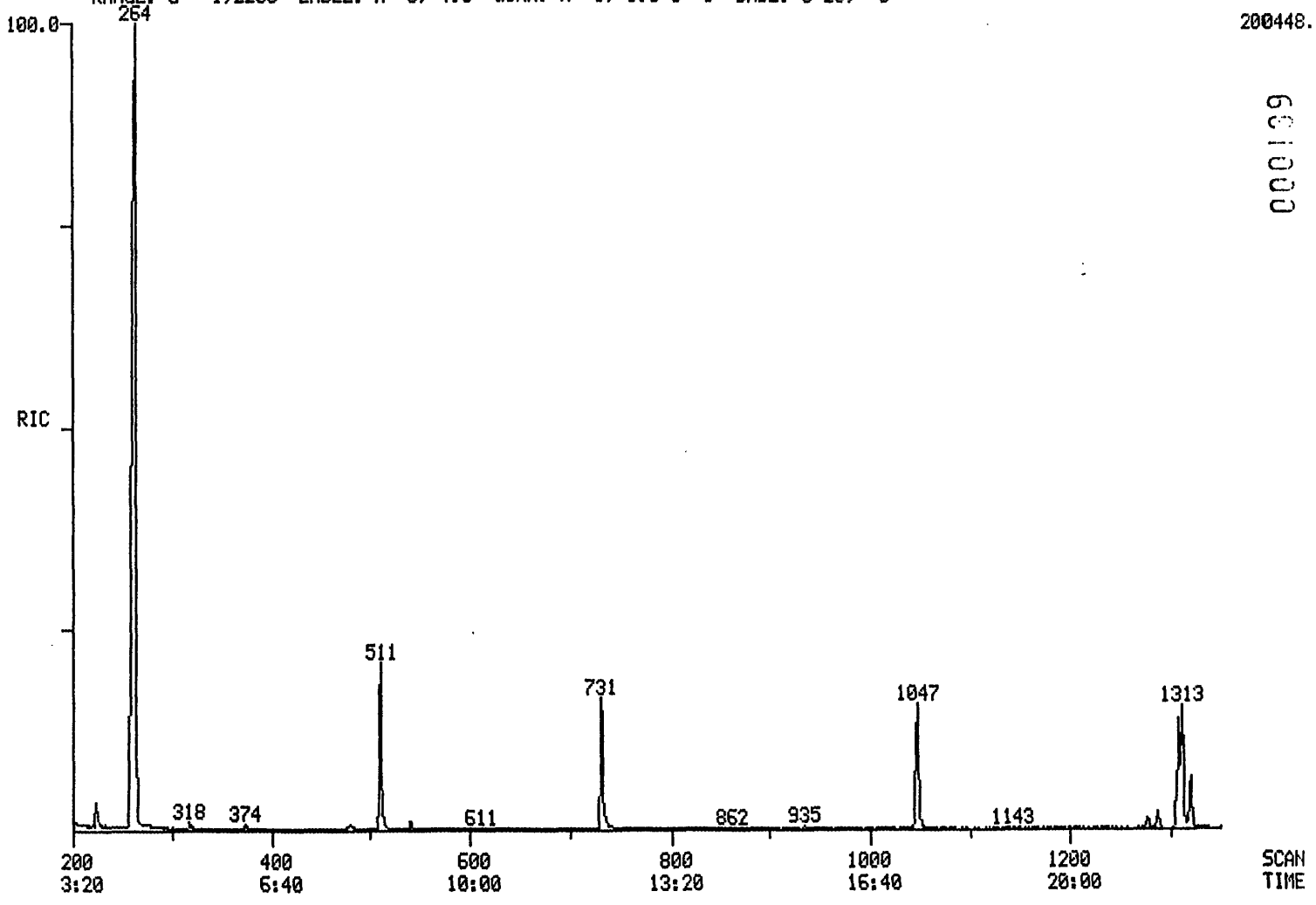
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

INST ID: 4530

RIC
03/17/93 15:10:00
SAMPLE: SC-PW 9 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

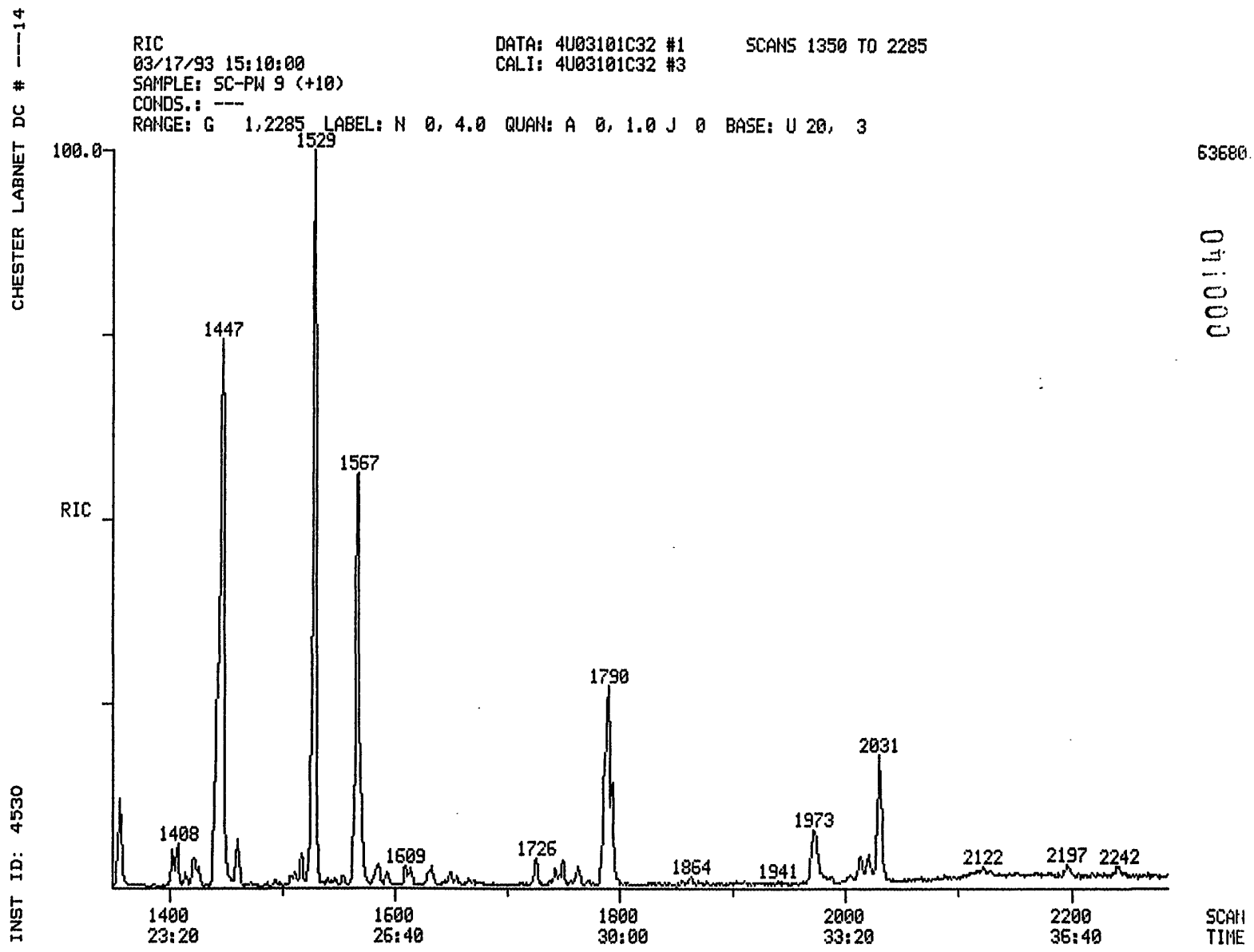
DATA: 4U03101C32 #1 SCANS 200 TO 1350
CALI: 4U03101C32 #3



200448.

000139

011189



011190

011190

CHESTER LABNET DC # ---1

011191

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 9 (+10)		
FILENAME	4U03101C32	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 15:10:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	2233
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	5766
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	2571
1309	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	3787
1790	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	1891
2031	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	1720
1313	C640	PHENANTHRENE	178	14 MG/KG	1.003	4534
1321	C645	ANTHRACENE	178	7 MG/KG	1.009	2303
1529	C655	FLUORANTHENE	202	34 MG/KG	1.168	9825
1567	C715	PYRENE	202	29 MG/KG	0.875	6125
1787	C730	BENZO(A)ANTHRACENE	228	7 MG/KG	0.998	1293
1793	C740	CHRYSENE	228	7 MG/KG	1.002	1176
1972	C765	BENZO(B)FLUORANTHENE	252	4 MG/KG	0.971	837
1975	C770	BENZO(K)FLUORANTHENE	252	2 MG/KG	0.972	303
2021	C775	BENZO(A)PYRENE	252	2 MG/KG	0.995	318
2197	C780	INDENO(1,2,3-CD)PYRENE	276	1 MG/KG	1.082	202
2241	C790	BENZO(GHI)PERYLENE	276	1 MG/KG	1.103	184

*SURROGATES WERE DILUTED OUT

000141

011191

011192

INST ID: 4530 SAMPLE NUMBER: SC-PW 9 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310133 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C33
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	13	33
C740	CHRYSENE	13	29
C765	BENZO(B)FLUORANTHENE	13	17
C770	BENZO(K)FLUORANTHENE	13	9 J
C775	BENZO(A)PYRENE	13	8 J
C780	INDENO(1,2,3-CD)PYRENE	13	3 J
C785	DIBENZO(A,H)ANTHRACENE	13 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011193

INST ID: 4530 SAMPLE NUMBER: SC-PW 9 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310133 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

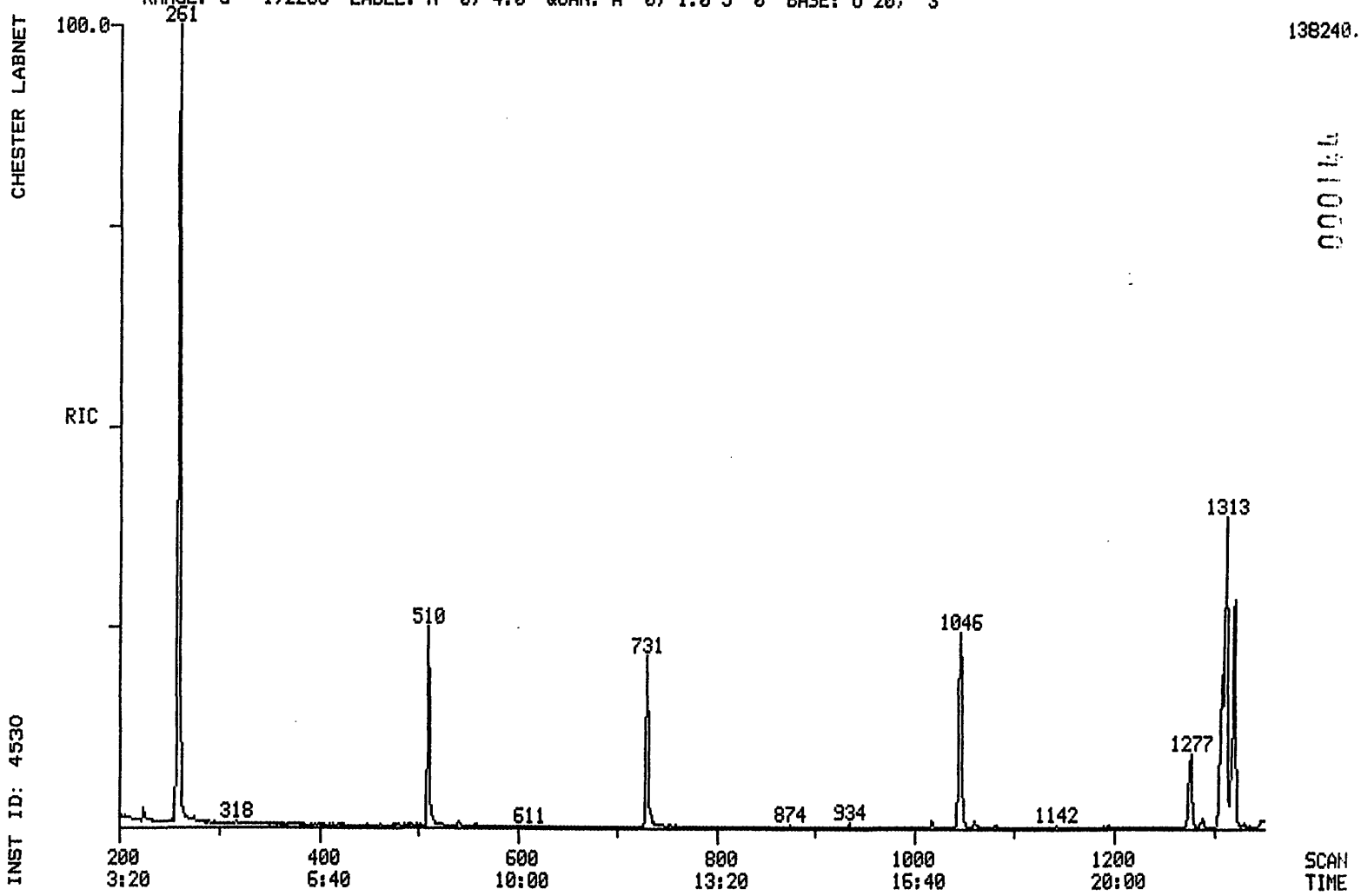
CONCENTRATION: LOW DATAFILE: 4U03101C33
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	13 U	
C540	ACENAPHTHYLENE	13 U	
C550	ACENAPHTHENE	13 U	
C590	FLUORENE	13 U	
C640	PHENANTHRENE	13	55
C645	ANTHRACENE	13	41
C655	FLUORANTHENE	13	130
C715	PYRENE	13	89
C730	BENZO(A)ANTHRACENE	13	33
C740	CHRYSENE	13	29
C765	BENZO(B)FLUORANTHENE	13	17
C770	BENZO(K)FLUORANTHENE	13	9 J
C775	BENZO(A)PYRENE	13	8 J
C780	INDENO(1,2,3-CD)PYRENE	13	3 J
C785	DIBENZO(A,H)ANTHRACENE	13 U	
C790	BENZO(GHI)PERYLENE	13	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

RIC
03/17/93 15:57:00
SAMPLE: SC-PW 9 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C33 #1 SCANS 200 TO 1350
CALI: 4U03101C33 #3



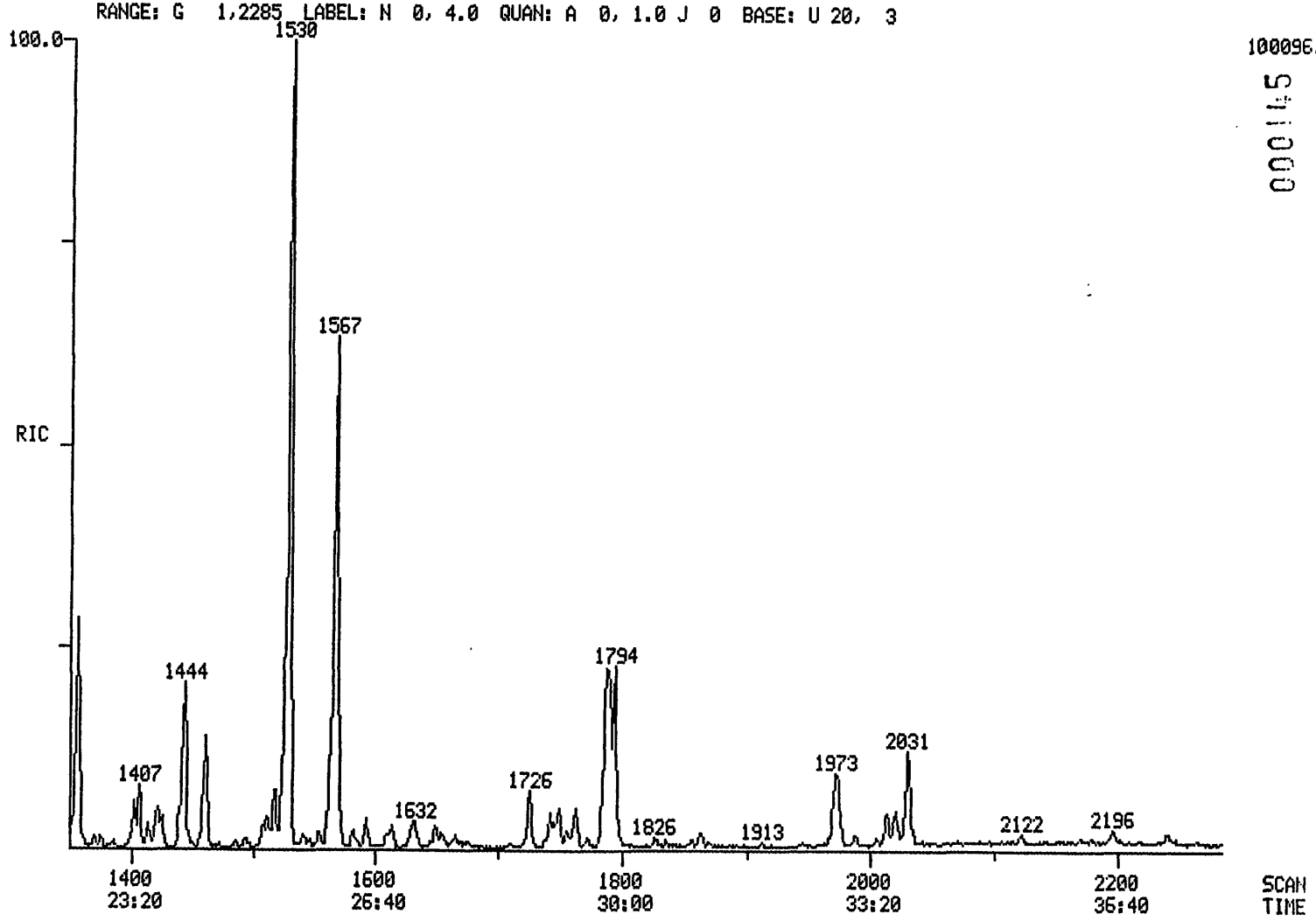
011194

CHESTER LABNET DC # ---14

RIC
03/17/93 15:57:00
SAMPLE: SC-PW 9 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C33 #1
CALI: 4U03101C33 #3

SCANS 1350 TO 2285



INST ID: 4530

100096.

000145

011195

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011196

SAMPLE ID.	SC-PW 9 (-10+200)		
FILENAME	4U03101C33	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 15:57:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	1.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
510	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	26 MG/KG	1.000	164
730	CI40	NAPHTHALENE-D8 ** IS2 **	136	26 MG/KG	1.000	510
1046	CI50	ACENAPHTHENE-D10 ** IS3 **	164	26 MG/KG	1.000	297
1308	CI60	PHENANTHRENE-D10 ** IS4 **	188	26 MG/KG	1.000	327
1790	CI70	CHRYSENE-D12 ** IS5 **	240	26 MG/KG	1.000	207
2031	CI75	PERYLENE-D12 ** IS6 **	264	26 MG/KG	1.000	166
1313	C640	PHENANTHRENE	178	55 MG/KG	1.004	797
1321	C645	ANTHRACENE	178	41 MG/KG	1.010	598
1530	C655	FLUORANTHENE	202	133 MG/KG	1.170	1728
1567	C715	PYRENE	202	89 MG/KG	0.875	1059
1787	C730	BENZO(A)ANTHRACENE	228	33 MG/KG	0.998	352
1794	C740	CHRYSENE	228	29 MG/KG	1.002	256
1973	C765	BENZO(B)FLUORANTHENE	252	17 MG/KG	0.971	177
1975	C770	BENZO(K)FLUORANTHENE	252	9 MG/KG	0.972	73
2021	C775	BENZO(A)PYRENE	252	8 MG/KG	0.995	65
2197	C780	INDENO(1,2,3-CD)PYRENE	276	3 MG/KG	1.082	28
2241	C790	BENZO(GHI)PERYLENE	276	3 MG/KG	1.103	26

*SURROGATES WERE DILUTED OUT

000146

011196

011197

INST ID: 4510 SAMPLE NUMBER: SC-PW 9 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310134 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C34
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	16
C740	CHRYSENE	10	13
C765	BENZO(B)FLUORANTHENE	10	7 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	3 J
C780	INDENO(1,2,3-CD)PYRENE	10	1 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011198

INST ID: 4510 SAMPLE NUMBER: SC-PW 9 (-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310134 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DB DATE SAMPLE RECEIVED: 3/11/93

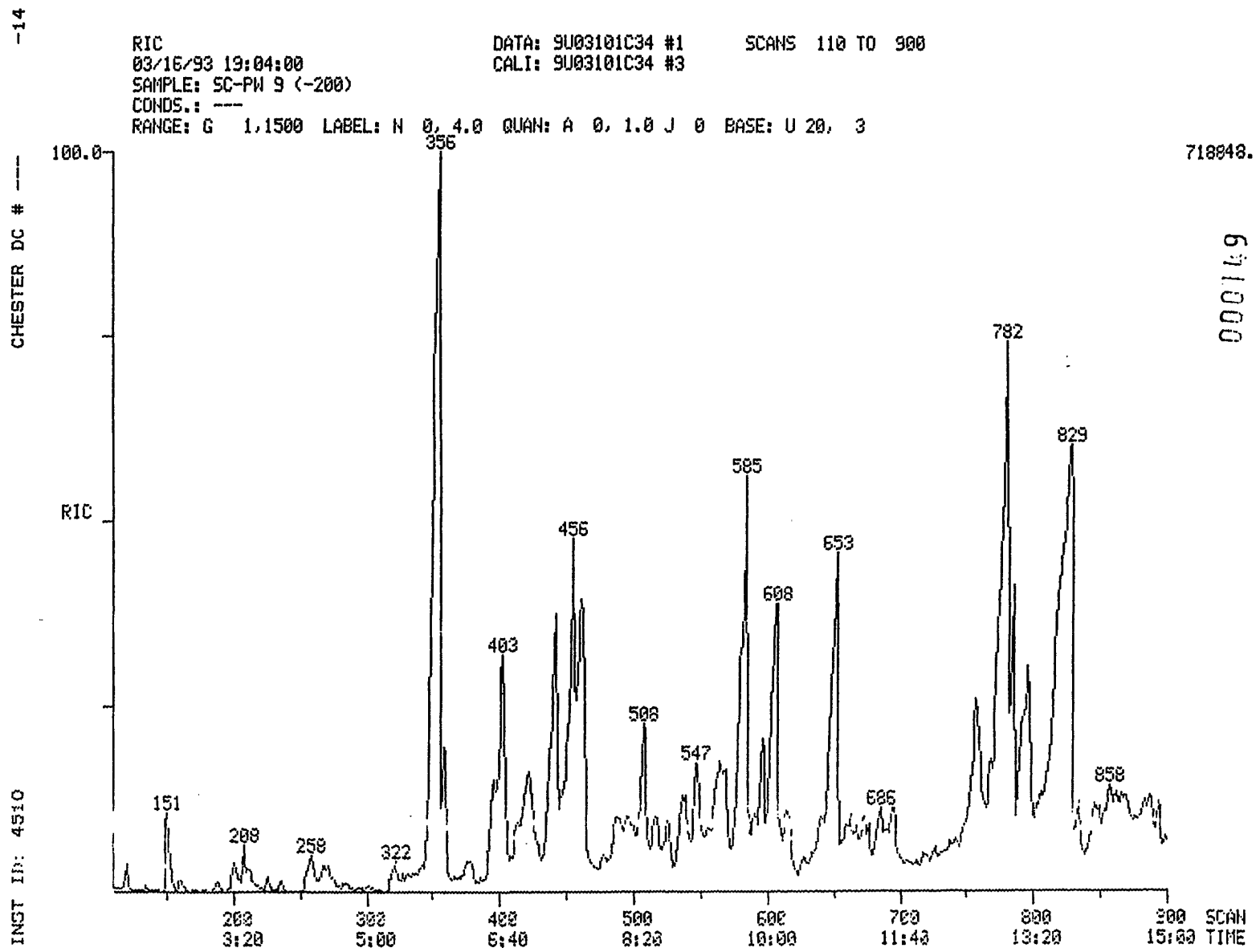
SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C34
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	730
C540	ACENAPHTHYLENE	10	4 J
C550	ACENAPHTHENE	10	330
C590	FLUORENE	10	300
C640	PHENANTHRENE	10	560
C645	ANTHRACENE	10	120
C655	FLUORANTHENE	10	140
C715	PYRENE	10	110
C730	BENZO(A)ANTHRACENE	10	16
C740	CHRYSENE	10	13
C765	BENZO(B)FLUORANTHENE	10	7 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	3 J
C780	INDENO(1,2,3-CD)PYRENE	10	1 J
C785	DIBENZO(A,H)ANTHRACENE	10 U	R
C790	BENZO(GHI)PERYLENE	10	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000118


-14
RIC
03/16/93 19:04:00
SAMPLE: SC-PW 9 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U03101C34 #1
CALI: 9U03101C34 #3
SCANS 110 TO 900
CHESTER DC # ---
INST ID: 4510
100.0
RIC
718848.
356
782
829
585
456
653
608
403
508
547
686
858
151
208
258
322
200 3:20
300 5:00
400 6:40
500 8:20
600 10:00
700 11:40
800 13:20
900 15:00
SCAN TIME

011199

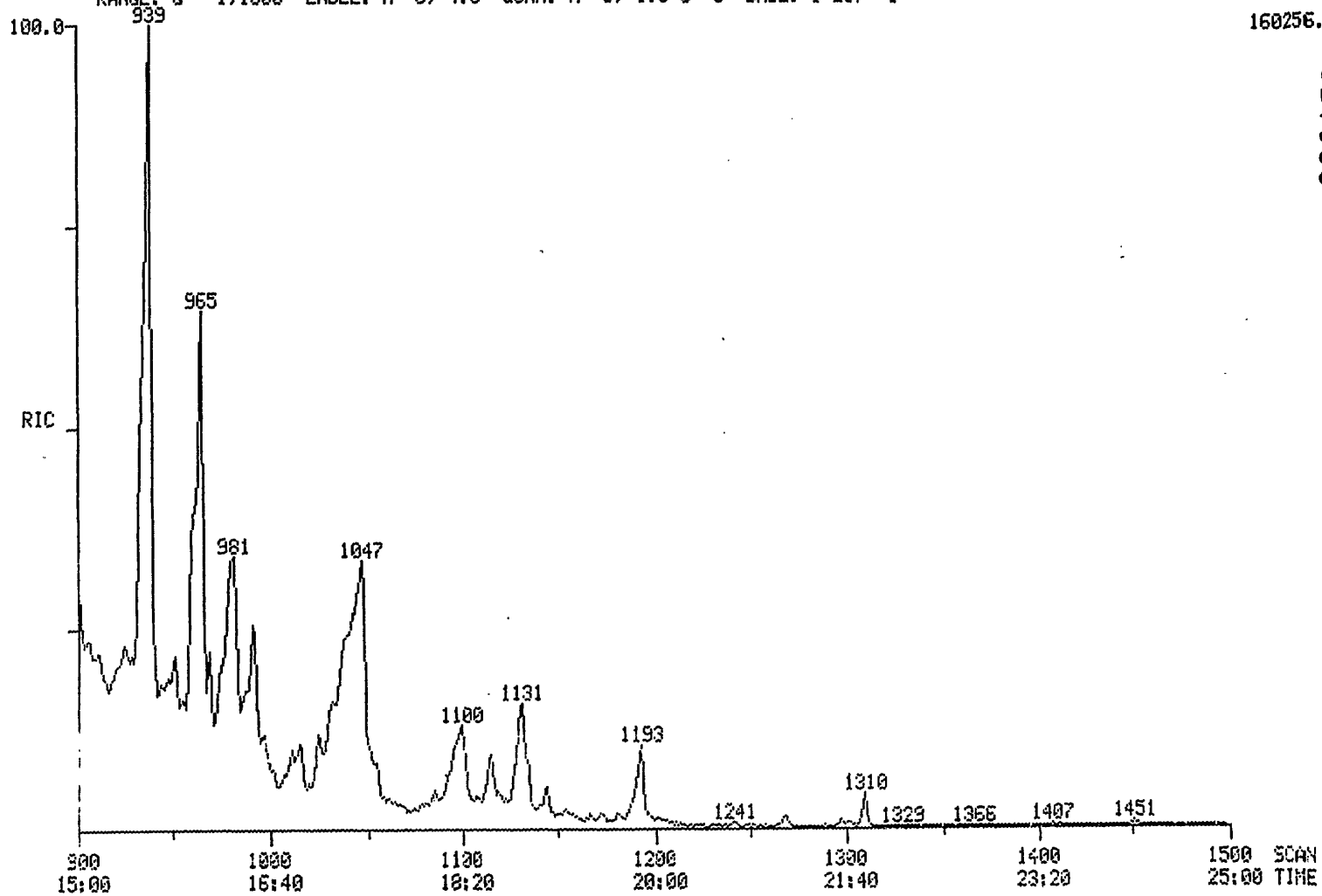
-14

RIC
03/16/93 19:04:00
SAMPLE: SC-PW 9 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C34 #1 SCANS 900 TO 1500
CALI: 9U03101C34 #3

160256.

CHESTER DC # ---



INST ID: 45:0

011200

011201

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 9 (-200)

FILENAME 9U03101C34 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 19:04:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	C:I30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	127[illegible]
352	C:I40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	462[illegible]
579	C:I50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	248[illegible]
777	C:I60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	333[illegible]
1132	C:I70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	137[illegible]
1310	C:I75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	85[illegible]
272	C:S20	NITROBENZENE-D5 ** SU3 **	82	66 %	0.773	266[illegible]
479	C:S25	2-FLUOROBIPHENYL ** SU4 **	172	8 %	0.862	65[illegible]
1003	C:S30	TERPHENYL-D14 ** SU6 **	244	2 %	0.886	8[illegible]
356	C:450	NAPHTHALENE	128	730 UG/L	1.011	174327
557	C:540	ACENAPHTHYLENE	152	4 UG/L	0.962	104[illegible]
585	C:550	ACENAPHTHENE	153	332 UG/L	1.010	4454[illegible]
653	C:590	FLUORENE	166	297 UG/L	1.128	4702[illegible]
782	C:640	PHENANTHRENE	178	558 UG/L	1.006	117113
786	C:645	ANTHRACENE	178	123 UG/L	1.012	2551[illegible]
939	C:655	FLUORANTHENE	202	143 UG/L	1.208	2506[illegible]
965	C:715	PYRENE	202	114 UG/L	0.852	14666
1130	C:730	BENZO(A)ANTHRACENE	228	16 UG/L	0.998	164[illegible]
1134	C:740	CHRYSENE	228	13 UG/L	1.002	99[illegible]
1267	C:765	BENZO(B)FLUORANTHENE	252	7 UG/L	0.967	47[illegible]
1302	C:775	BENZO(A)PYRENE	252	3 UG/L	0.994	15[illegible]
1424	C:780	INDENO(1,2,3-CD)PYRENE	276	1 UG/L	1.087	21
1449	C:790	BENZO(GHI)PERYLENE	276	1 UG/L	1.106	1[illegible]

011202

INST ID: 4530 SAMPLE NUMBER: SC-PW 10 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310135 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C35
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	33	44
C740	CHRYSENE	33	51
C765	BENZO(B)FLUORANTHENE	33	20 J
C770	BENZO(K)FLUORANTHENE	33	16 J
C775	BENZO(A)PYRENE	33	10 J
C780	INDENO(1,2,3-CD)PYRENE	33	3 J
C785	DIBENZO(A,H)ANTHRACENE	33 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011203

INST ID: 4530 SAMPLE NUMBER: SC-PW 10 (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310135 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW 03/12/93 DATAFILE: 4U03101C35
DATE EXTRACTED: .....
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	33 U	
C540	ACENAPHTHYLENE	33 U	
C550	ACENAPHTHENE	33 U	
C590	FLUORENE	33 U	
C640	PHENANTHRENE	33	72
C645	ANTHRACENE	33	20 J
C655	FLUORANTHENE	33	170
C715	PYRENE	33	140
C730	BENZO(A)ANTHRACENE	33	44
C740	CHRYSENE	33	51
C765	BENZO(B)FLUORANTHENE	33	20 J
C770	BENZO(K)FLUORANTHENE	33	16 J
C775	BENZO(A)PYRENE	33	10 J
C780	INDENO(1,2,3-CD)PYRENE	33	3 J
C785	DIBENZO(A,H)ANTHRACENE	33 U	
C790	BENZO(GHI)PERYLENE	33 U	

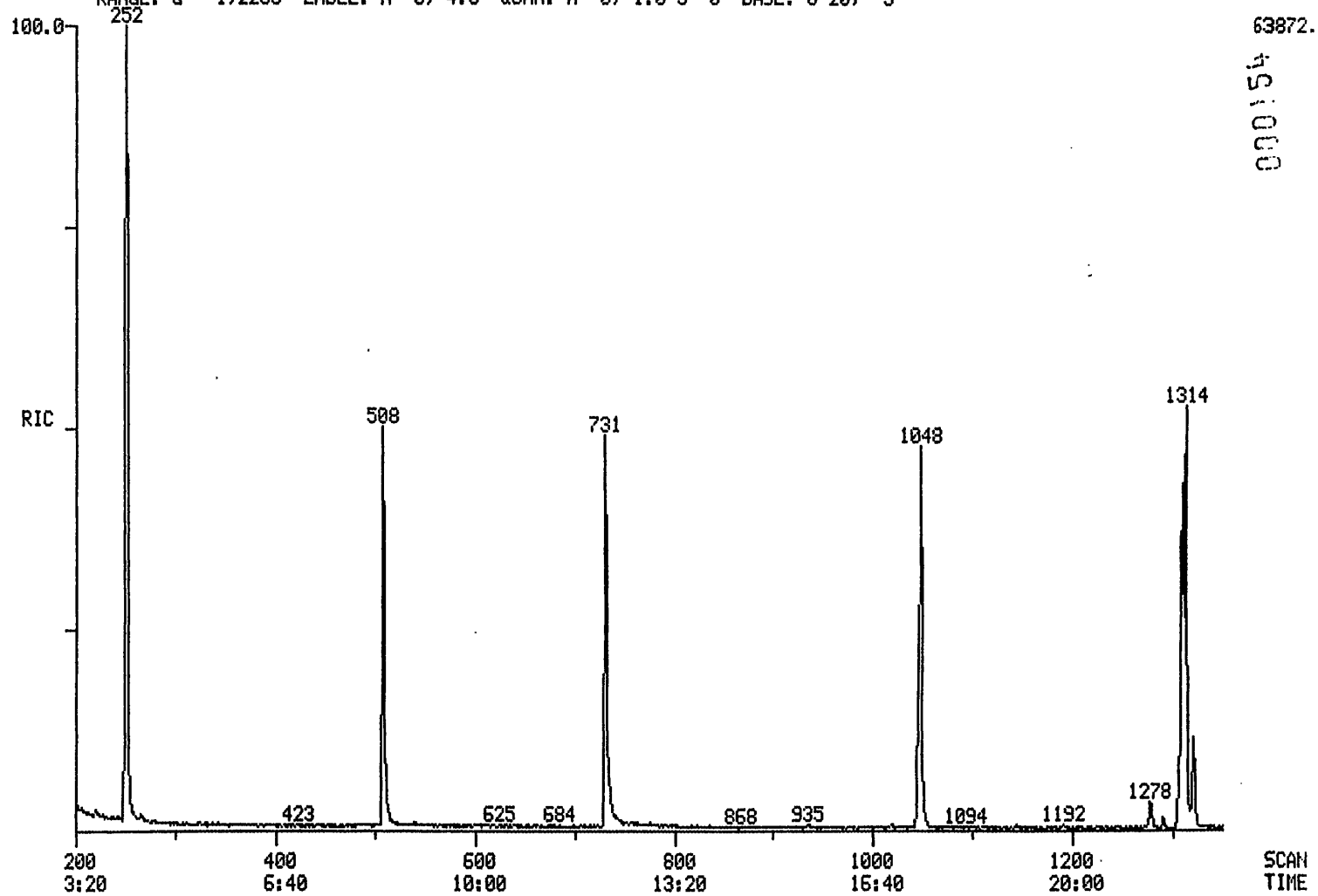
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
03/17/93 16:44:00
SAMPLE: SC-PW 10 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C35 #1
CALI: 4U03101C35 #3

SCANS 200 TO 1350

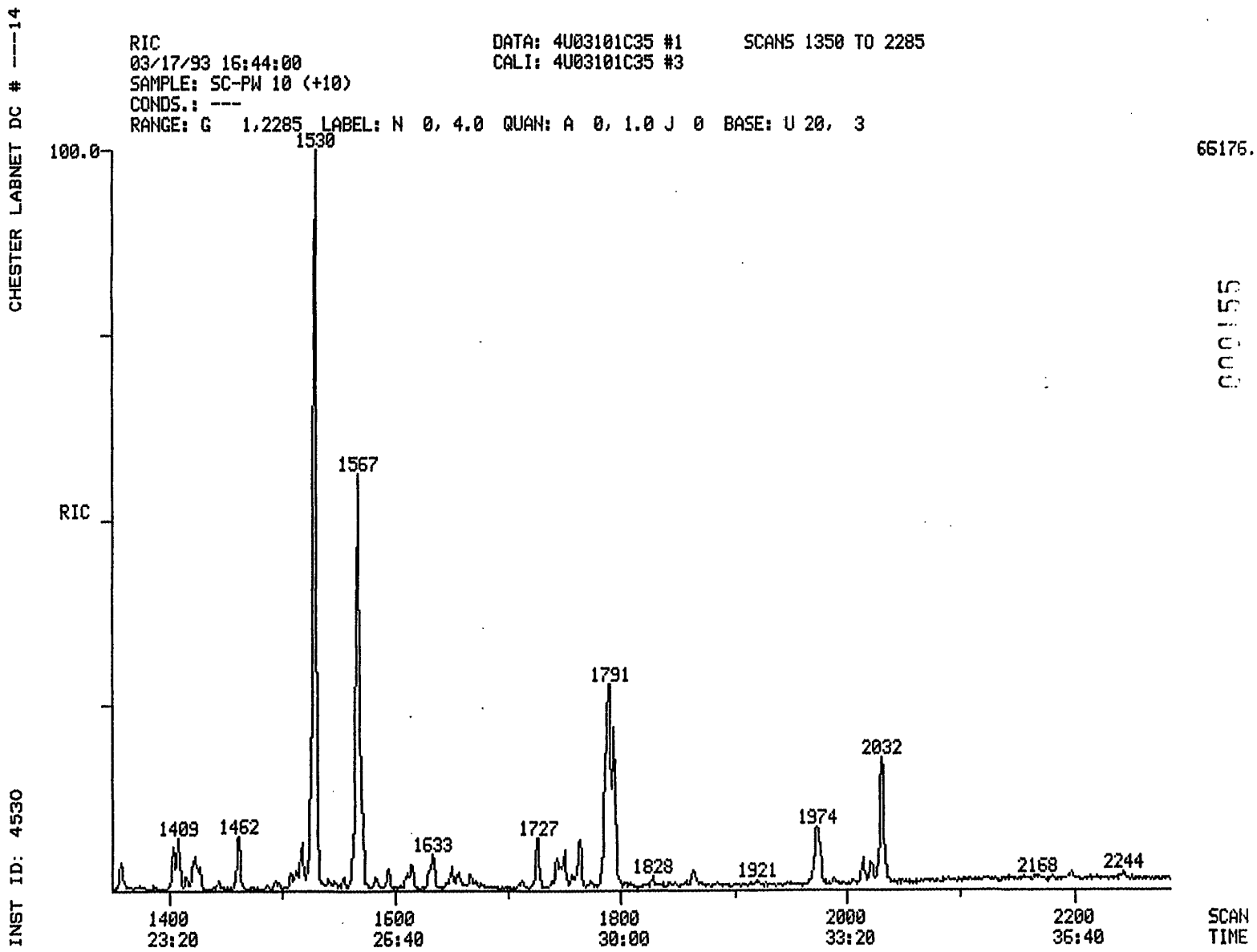


63872.

45:000

INST ID: 4530

011204


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/17/93 16:44:00
SAMPLE: SC-PW 10 (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C35 #1
CALI: 4U03101C35 #3
SCANS 1350 TO 2285
100.0
RIC
66176.
1530
1567
1409
1462
1633
1727
1791
1828
1921
1974
2032
2168
2244
1400
23:20
1600
26:40
1800
30:00
2000
33:20
2200
36:40
SCAN
TIME

011205

CHESTER LABNET DC # ---1---

011206

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 10 (+10)		
FILENAME	4U03101C35	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 16:44:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	3.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
508	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	66 UG/KG	1.000	1847
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	66 UG/KG	1.000	5733
1047	CI50	ACENAPHTHENE-D10 ** IS3 **	164	66 UG/KG	1.000	2883
1310	CI60	PHENANTHRENE-D10 ** IS4 **	188	66 UG/KG	1.000	3840
1791	CI70	CHRYSENE-D12 ** IS5 **	240	66 UG/KG	1.000	1978
2032	CI75	PERYLENE-D12 ** IS6 **	264	66 UG/KG	1.000	1603
1314	C640	PHENANTHRENE	178	72 UG/KG	1.003	4821
1322	C645	ANTHRACENE	178	20 UG/KG	1.009	1384
1530	C655	FLUORANTHENE	202	174 UG/KG	1.168	10440
1567	C715	PYRENE	202	140 UG/KG	0.875	6304
1788	C730	BENZO(A)ANTHRACENE	228	44 UG/KG	0.998	1757
1795	C740	CHRYSENE	228	51 UG/KG	1.002	1710
1974	C765	BENZO(B)FLUORANTHENE	252	20 UG/KG	0.971	786
1976	C770	BENZO(K)FLUORANTHENE	252	16 UG/KG	0.972	518
2022	C775	BENZO(A)PYRENE	252	10 UG/KG	0.995	306
2198	C780	INDENO(1,2,3-CD)PYRENE	276	3 UG/KG	1.082	111

*SURROGATES WERE DILUTED OUT

000155

011206

011207

INST ID: 4530 SAMPLE NUMBER: SC-PW 10 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310136 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C36
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	68	25 J
C740	CHRYSENE	68	26 J
C765	BENZO(B)FLUORANTHENE	68	6 J
C770	BENZO(K)FLUORANTHENE	68	11 J
C775	BENZO(A)PYRENE	68	3 J
C780	INDENO(1,2,3-CD)PYRENE	68	1 J
C785	DIBENZO(A,H)ANTHRACENE	68 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011208

INST ID: 4530 SAMPLE NUMBER: SC-PW 10 (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310136 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C36
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	68 U	
C540	ACENAPHTHYLENE	68 U	
C550	ACENAPHTHENE	68 U	
C590	FLUORENE	68 U	
C640	PHENANTHRENE	68	85
C645	ANTHRACENE	68	32 J
C655	FLUORANTHENE	68	130
C715	PYRENE	68	74
C730	BENZO(A)ANTHRACENE	68	25 J
C740	CHRYSENE	68	26 J
C765	BENZO(B)FLUORANTHENE	68	6 J
C770	BENZO(K)FLUORANTHENE	68	11 J
C775	BENZO(A)PYRENE	68	3 J
C780	INDENO(1,2,3-CD)PYRENE	68	1 J
C785	DIBENZO(A,H)ANTHRACENE	68 U	
C790	BENZO(GHI)PERYLENE	68 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000159

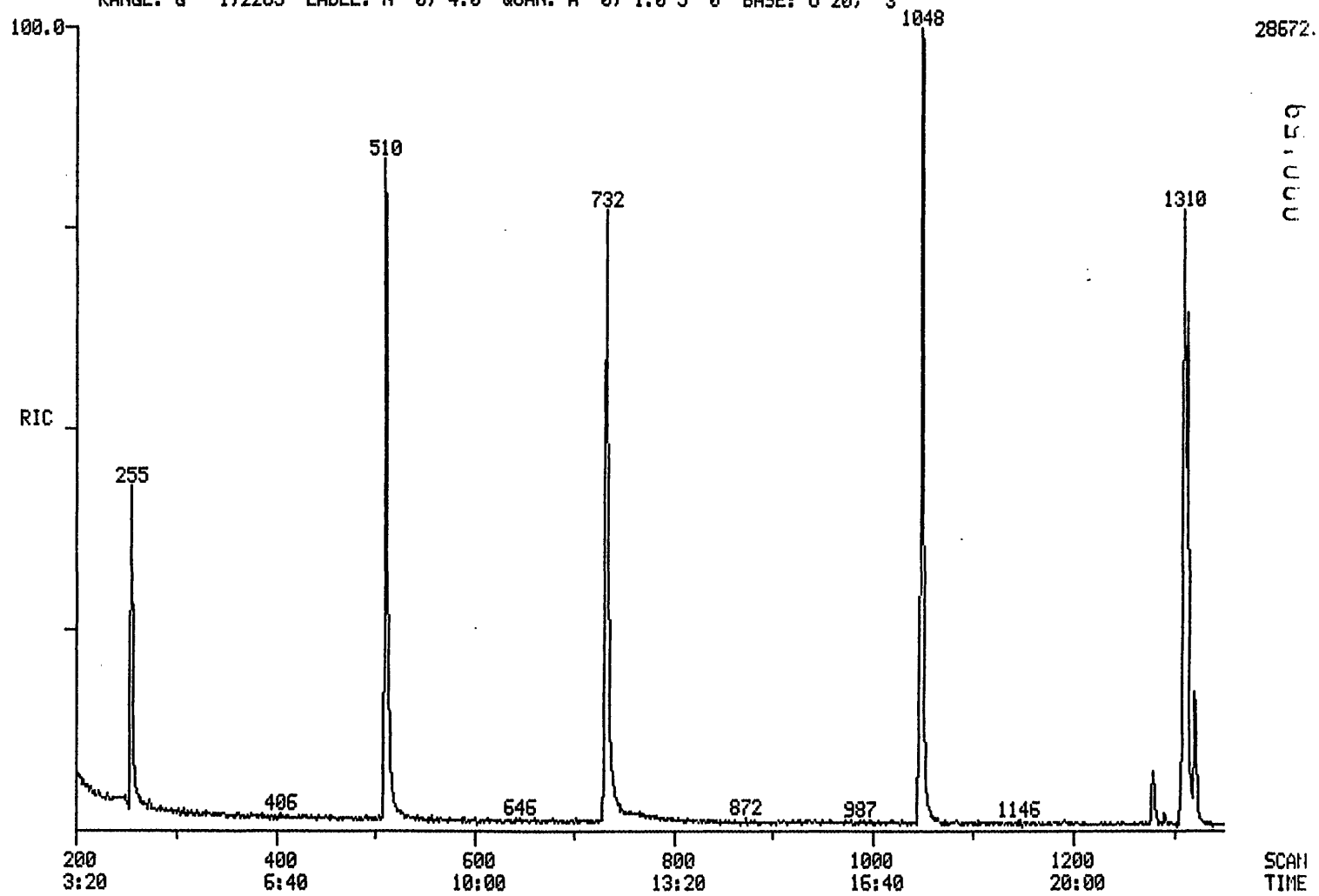
RIC
03/17/93 17:32:00
SAMPLE: SC-PW 10 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C36 #1
CALI: 4U03101C36 #3

SCANS 200 TO 1350

CHESTER LABNET DC # ---14

INST ID: 4530



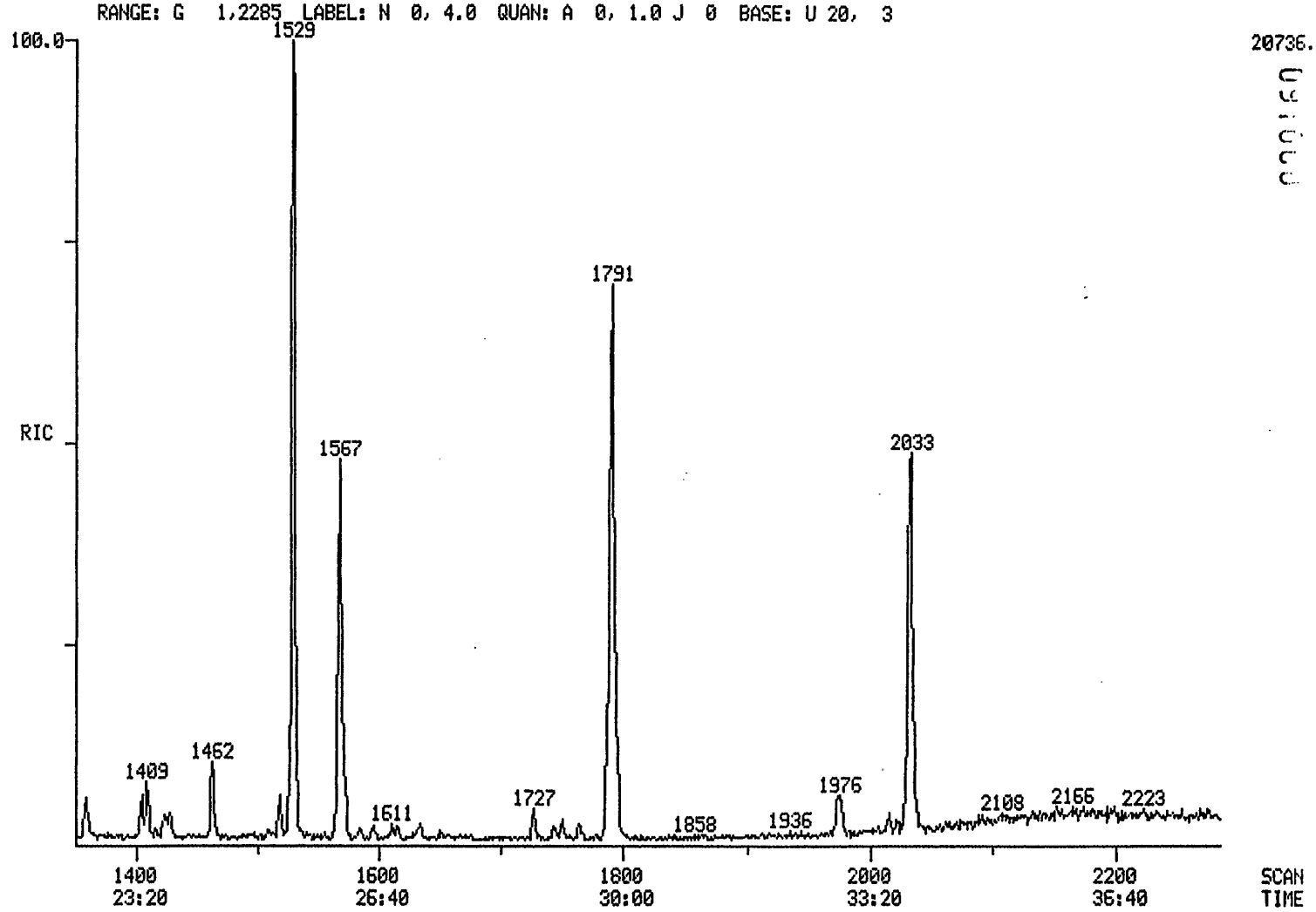
011209

CHESTER LABNET DC # ---14

RIC
03/17/93 17:32:00
SAMPLE: SC-PW 10 (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C36 #1
CALI: 4U03101C36 #3

SCANS 1350 TO 2285



INST ID: 4530

011210

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011211

SAMPLE ID.	SC-PW 10 (-10+200)		
FILENAME	4U03101C36	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 17:32:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	6.80

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
510	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	136 MG/KG	1.000	164
732	CI40	NAPHTHALENE-D8 ** IS2 **	136	136 MG/KG	1.000	479
1048	CI50	ACENAPHTHENE-D10 ** IS3 **	164	136 MG/KG	1.000	304
1310	CI60	PHENANTHRENE-D10 ** IS4 **	188	136 MG/KG	1.000	336
1791	CI70	CHRYSENE-D12 ** IS5 **	240	136 MG/KG	1.000	199
2032	CI75	PERYLENE-D12 ** IS6 **	264	136 MG/KG	1.000	171
1314	C640	PHENANTHRENE	178	85 MG/KG	1.003	241
1322	C645	ANTHRACENE	178	32 MG/KG	1.009	93
1529	C655	FLUORANTHENE	202	129 MG/KG	1.167	327
1567	C715	PYRENE	202	74 MG/KG	0.875	163
1788	C730	BENZO(A)ANTHRACENE	228	25 MG/KG	0.998	48
1795	C740	CHRYSENE	228	26 MG/KG	1.002	42
1973	C765	BENZO(B)FLUORANTHENE	252	6 MG/KG	0.971	12
1975	C770	BENZO(K)FLUORANTHENE	252	11 MG/KG	0.972	18
2023	C775	BENZO(A)PYRENE	252	3 MG/KG	0.996	4
2200	C780	INDENO(1,2,3-CD)PYRENE	276	1 MG/KG	1.083	

*SURROGATES WERE DILUTED OUT

INST ID: 4310 SAMPLE NUMBER: SC-PW 10 (-200)

011212

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310137 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C37
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	10 J
C740	CHRYSENE	10	8 J
C765	BENZO(B)FLUORANTHENE	10	4 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	1 J
C780	INDENO(1,2,3-CD)PYRENE	10 U	R
C785	DIBENZO(A,H)ANTHRACENE	10 U	R

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

INST ID: 4510 SAMPLE NUMBER: SC-PW 10 (-200)

011213

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310137 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C37
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

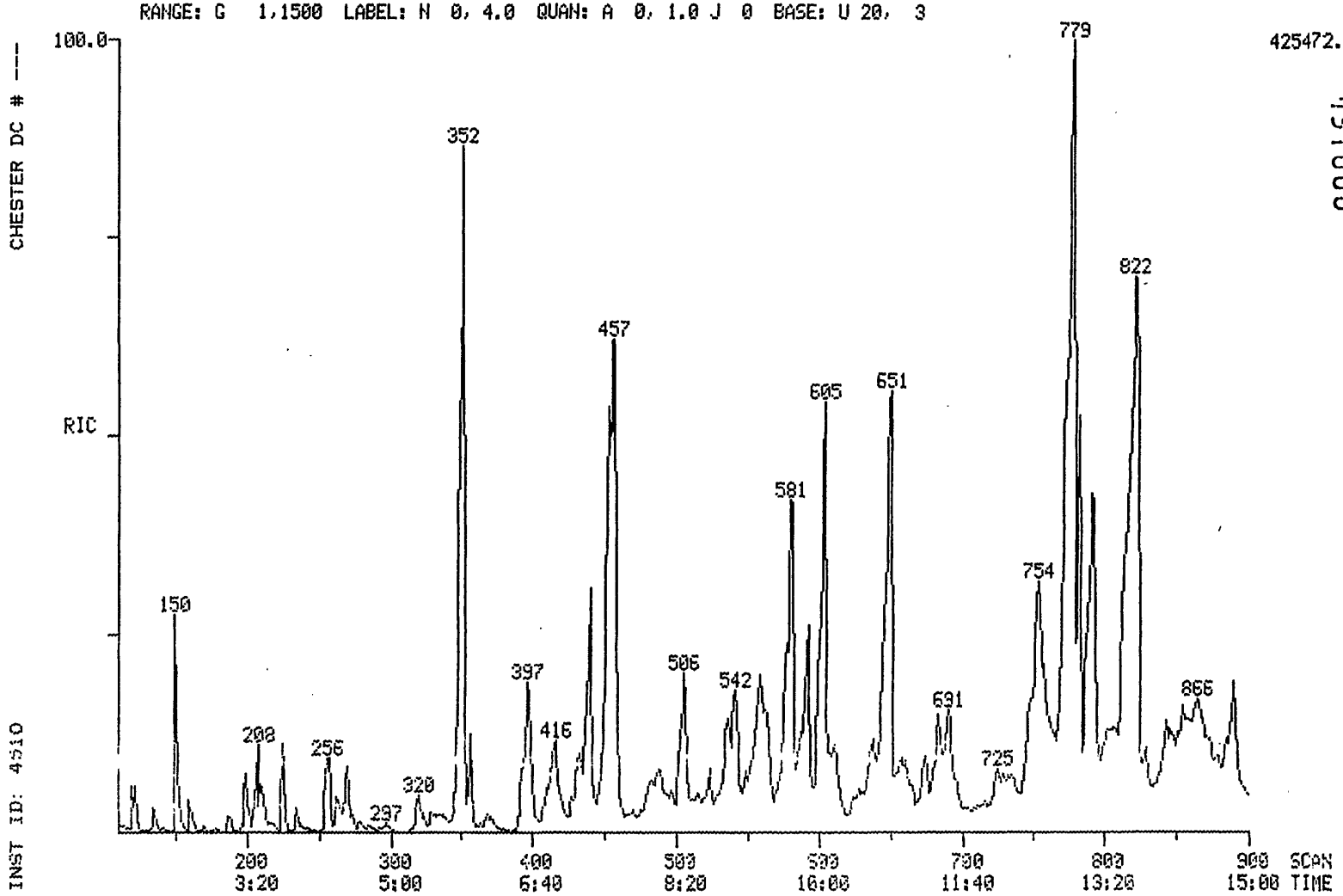
	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	220
C540	ACENAPHTHYLENE	10	2 J
C550	ACENAPHTHENE	10	120
C590	FLUORENE	10	190
C640	PHENANTHRENE	10	410
C645	ANTHRACENE	10	87
C655	FLUORANTHENE	10	93
C715	PYRENE	10	67
C730	BENZO(A)ANTHRACENE	10	10 J
C740	CHRYSENE	10	8 J
C765	BENZO(B)FLUORANTHENE	10	4 J
C770	BENZO(K)FLUORANTHENE	10 U	R
C775	BENZO(A)PYRENE	10	1 J
C780	INDENO(1,2,3-CD)PYRENE	10 U	R
C785	DIBENZO(A,H)ANTHRACENE	10 U	R
C790	BENZO(GHI)PERYLENE	10 U	R

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

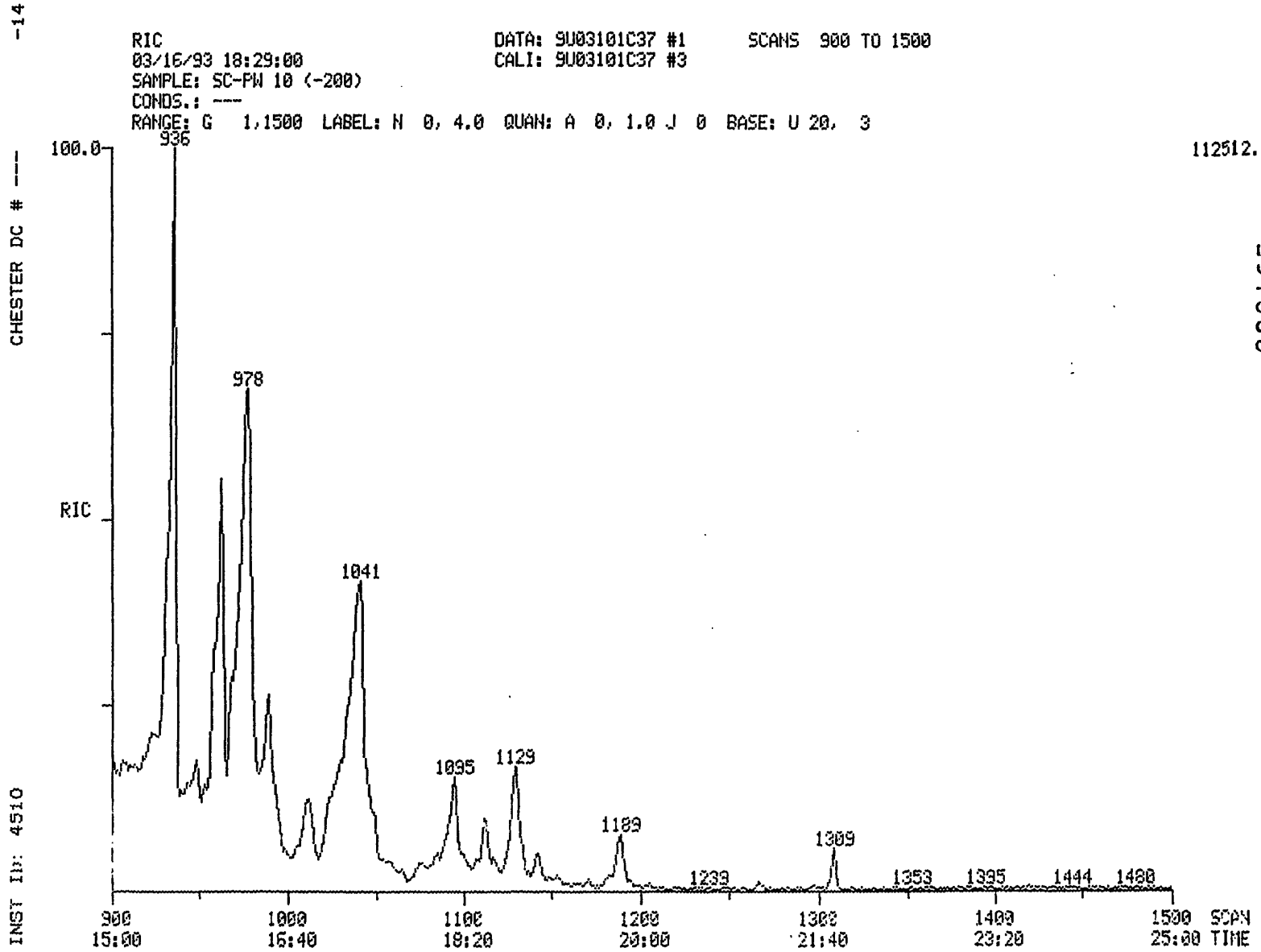
-14

RIC
03/16/93 18:29:00
SAMPLE: SC-PW 10 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C37 #1 SCANS 110 TO 900
CALI: 9U03101C37 #3



011214


-14
CHESTER DC # ---
INST ID: 4510
RIC
03/16/93 18:29:00
SAMPLE: SC-PW 10 (-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U03101C37 #1
CALI: 9U03101C37 #3
SCANS 900 TO 1500
112512.
100.0
RIC
936
978
1041
1095
1129
1189
1239
1309
1353
1395
1444
1480
900 15:00
1000 16:40
1100 18:20
1200 20:00
1300 21:40
1400 23:20
1500 25:00
SCAN
TIME

011215

CHESTER DC # --- -14

011216

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 10 (-200)

FILENAME 9U03101C37 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 18:29:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1201
349	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	4966
577	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	2663
774	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	3437
1130	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1383
1309	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	825
270	CS20	NITROBENZENE-D5 ** SU3 **	82	80 %	0.774	3441
497	CS25	2-FLUOROBIPHENYL ** SU4 **	172	16 %	0.861	1489
1002	CS30	TERPHENYL-D14 ** SU6 **	244	2 %	0.887	78
1129	C730	BENZO(A)ANTHRACENE	228	10 UG/L	0.999	1033
1133	C740	CHRYSENE	228	8 UG/L	1.003	619
1266	C765	BENZO(B)FLUORANTHENE	252	4 UG/L	0.967	261
1301	C775	BENZO(A)PYRENE	252	1 UG/L	0.994	49

011217

INST ID: 4310 SAMPLE NUMBER: SC-PW RINSATE

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310141 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C41
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10 U	
C740	CHRYSENE	10 U	
C765	BENZO(B)FLUORANTHENE	10 U	
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011218

INST ID: 4510 SAMPLE NUMBER: SC-PW RINSATE

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310141 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

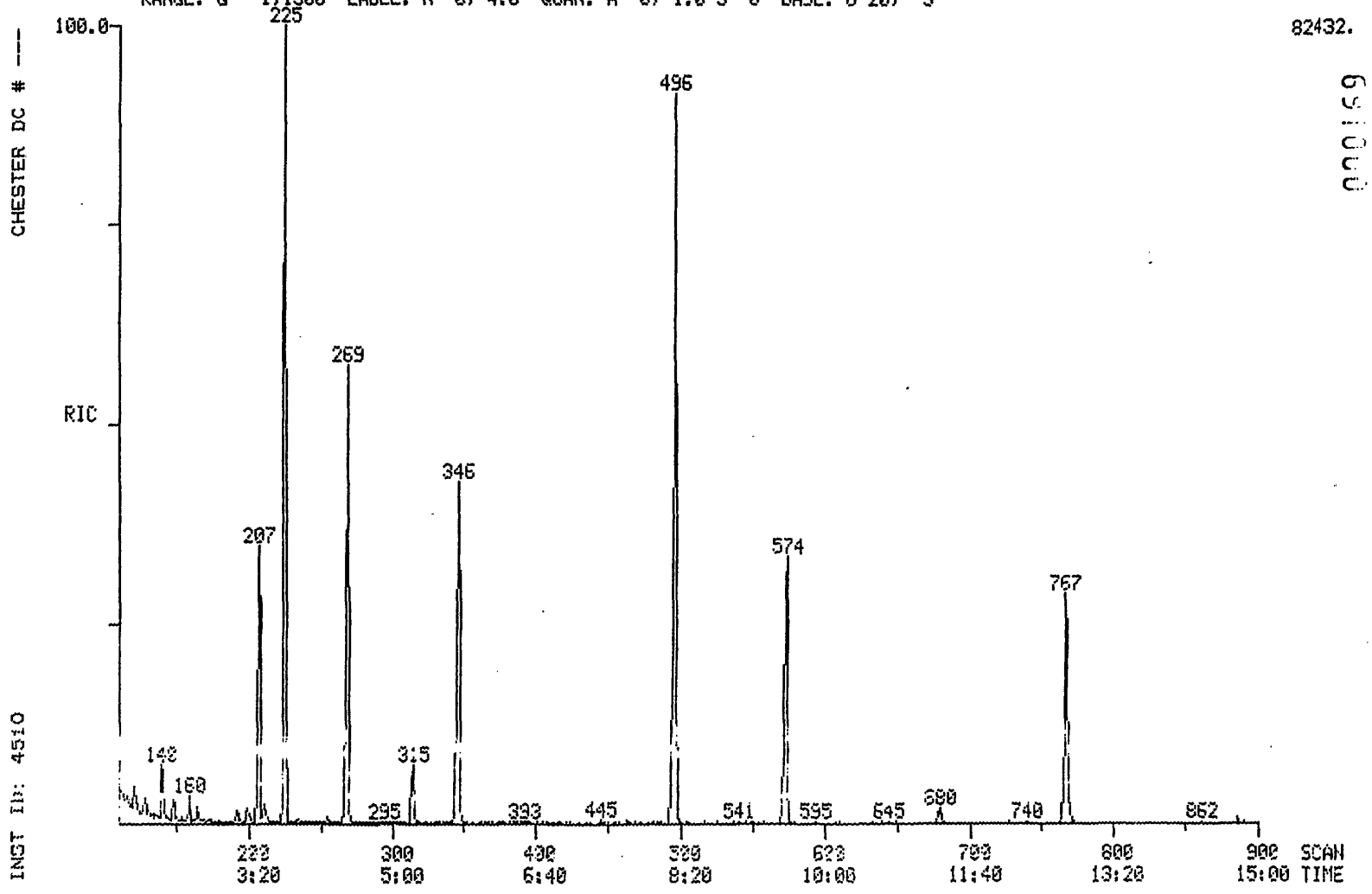
CONCENTRATION: LOW DATAFILE: 9U03101C41
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10 U	
C540	ACENAPHTHYLENE	10 U	
C550	ACENAPHTHENE	10 U	
C590	FLUORENE	10 U	
C640	PHENANTHRENE	10	1 J
C645	ANTHRACENE	10 U	
C655	FLUORANTHENE	10	1 J
C715	PYRENE	10 U	
C730	BENZO(A)ANTHRACENE	10 U	
C740	CHRYSENE	10 U	
C765	BENZO(B)FLUORANTHENE	10 U	
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	
C790	BENZO(GHI)PERYLENE	10 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

RIC
03/16/93 13:34:00
SAMPLE: SC-PW RINSATE
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C41 #1 SCANS 110 TO 900
CALI: 9U03101C41 #3



82432.

CHESTER DC # ---

-14

INST ID: 4510

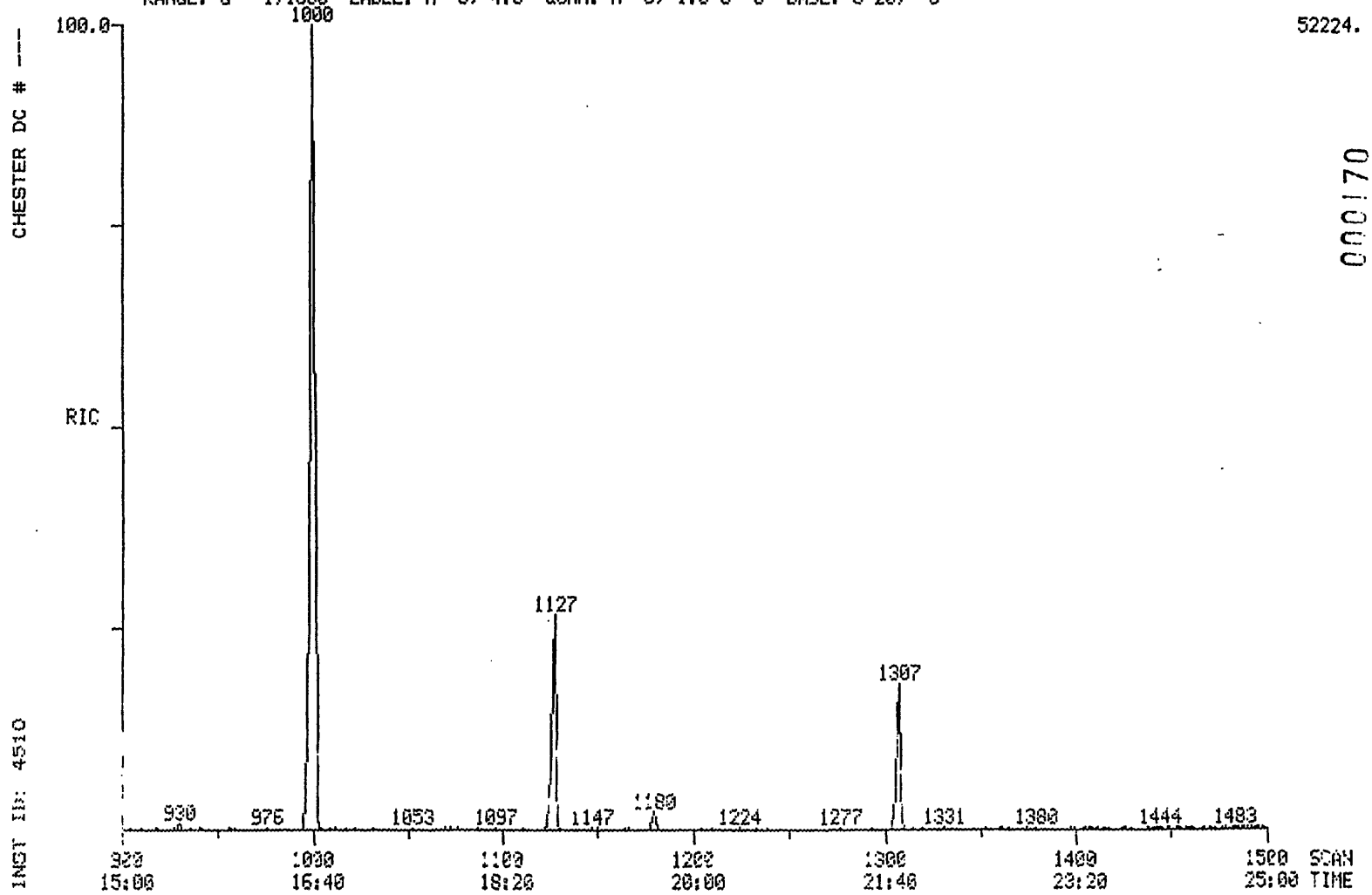
011219

-14

RIC
03/16/93 13:34:00
SAMPLE: SC-PW RINSATE
CONDS.: ----
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C41 #1 SCANS 900 TO 1500
CALI: 9U03101C41 #3

52224.



000170

011220

011221

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW RINSATE

FILENAME 9U03101C41 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/16/93 13:34:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
207	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	963
346	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	3839
574	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	1951
767	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	2672
1127	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1460
1307	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	915
269	CS20	NITROBENZENE-D5 ** SU3 **	82	113 %	0.777	3763
498	CS25	2-FLUOROBIPHENYL ** SU4 **	172	103 %	0.864	6818
1000	CS30	TERPHENYL-D14 ** SU6 **	244	108 %	0.887	5341
770	C640	PHENANTHRENE	178	1 UG/L	1.004	206
930	C655	FLUORANTHENE	202	1 UG/L	1.213	71

011222

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	03/16/93	Sens Time:	12:11:00
Lab ID:	FS0316C01	Cali Date:	03/09/93	Analyst:	JDD

Data release authorized by: Juanita D. Drummond

M/E	Ion Abundance Criteria	Spec # 254	
51	30 to 60% of mass 198	41.33	
68	less than 2% of mass 69	0.24	(0.62) 1
69	mass 69 relative abundance	40.02	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	47.39	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	5.98	
275	10 TO 30% of mass 198	20.10	
365	greater than 1% of mass 198	1.60	
441	less than mass 443	5.59	
442	greater than 40% of mass 198	57.84	
443	17 TO 23% of mass 442	10.07	(17.40) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

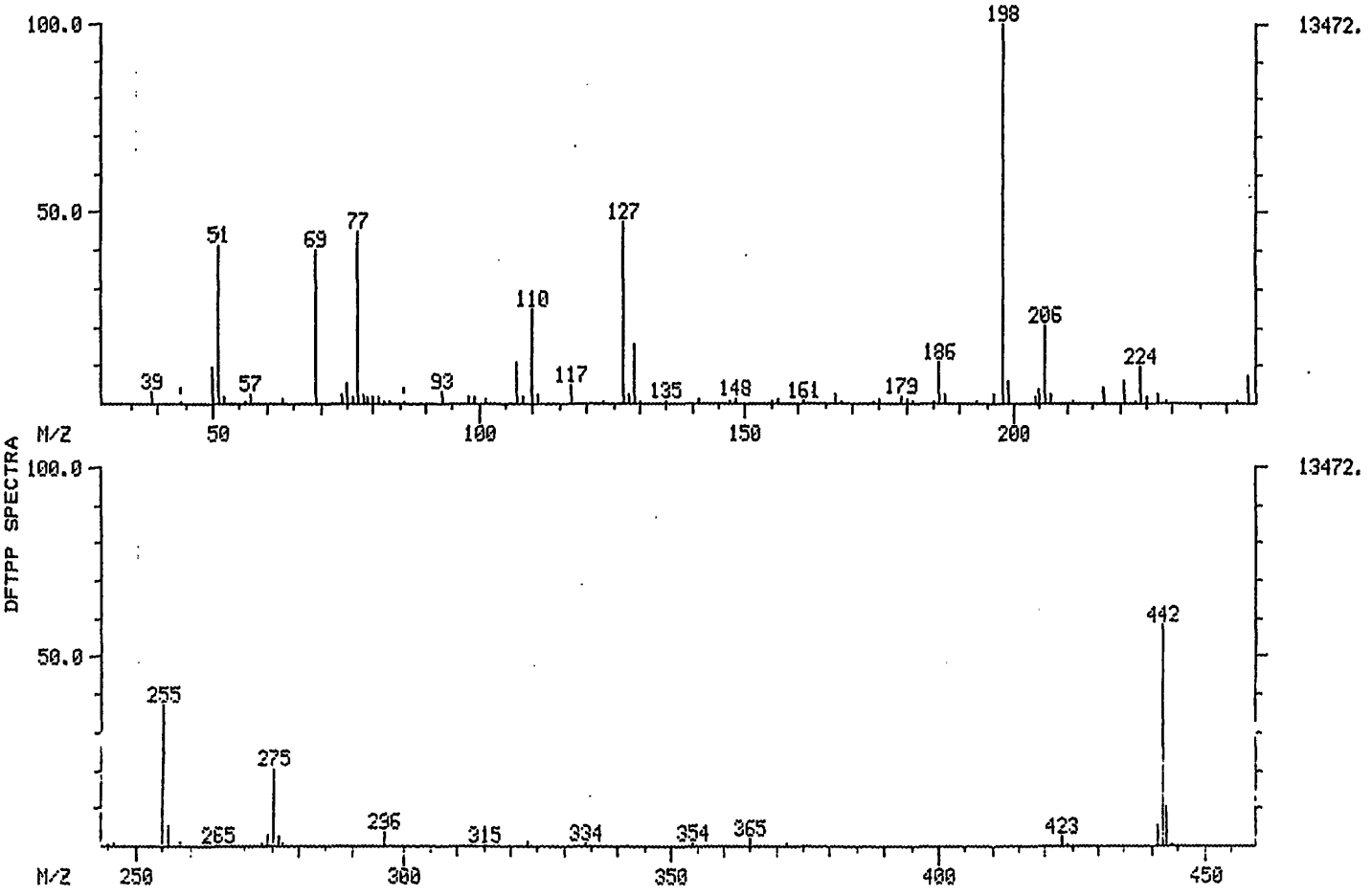
-15

CHESTER DC # ---

MASS SPECTRUM
03/16/93 12:11:00 + 4:15
SAMPLE: DFTPP
CONDS.: ---
GC TEMP:*158 DEG. C
#254 TO #256 SUMMED - #239

DATA: FS0316C01 #255
CALI: FS0316C01 #3

BASE M/Z: 198
RIC: 86912.



DFTPP SPECTRA

INST ID: 4510

011223

INST ID: 4310

CHESTER DC # ---

-15

011224

DFTPP MASS LISTING

Mass List

Data: FS0316C01 # 255

Base m/z: 198

03/16/93 12:11:00 + 4:15

Cali: FS0316C01 # 3

RIC: 86912.

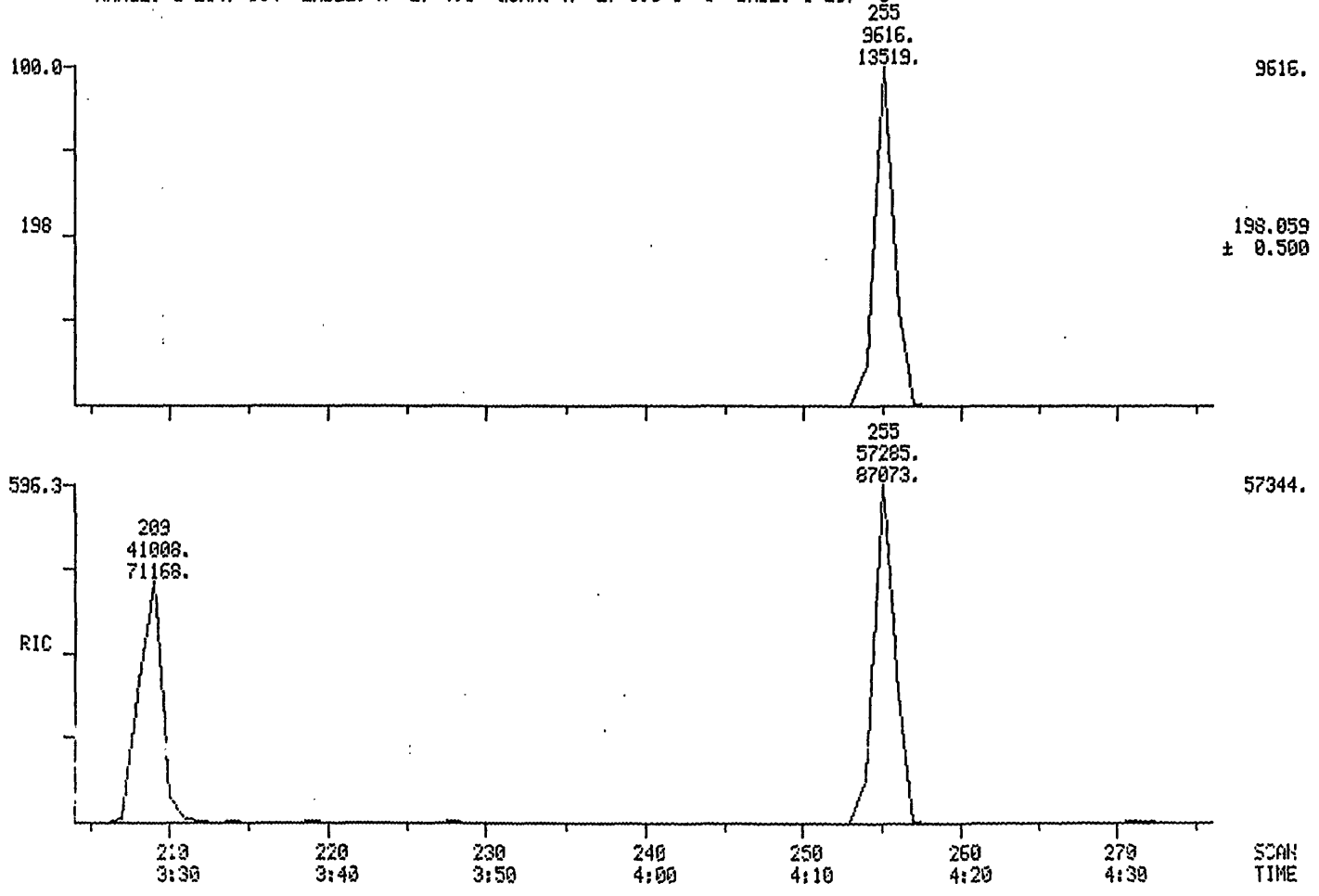
Sample: DFTPP

Conds.: ---

#254 to #256 summed - #239

39		0.00	0.	Minima	Min Inten:		35.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39?		3.27	441.	185		0.56	75.
44	S	0.56	76.	186		10.97	1478.
50		9.32	1256.	187		2.55	344.
51	S	41.33	5568.	192		0.27	36.
52		1.92	259.	193		0.32	43.
56		0.68	92.	196		2.16	291.
57		2.55	343.	198		100.00	13472.
63		1.48	200.	199		5.98	805.
69		40.02	5392.	204		1.55	209.
74		2.49	336.	205		3.88	523.
75		5.17	696.	206		20.19	2720.
76		1.84	248.	207		2.35	316.
77		45.07	6072.	211		0.63	85.
78		2.68	361.	217		4.13	556.
79		1.72	232.	218		0.29	39.
80		1.54	207.	221		6.01	810.
81		2.01	271.	222		0.28	38.
82		0.32	43.	223		0.60	81.
83		0.47	63.	224		9.84	1326.
86	S	0.39	52.	225		1.77	238.
93		2.84	383.	227		2.69	363.
98		1.89	255.	228		0.27	37.
99		1.54	208.	229		0.42	56.
101		1.28	173.	242		0.30	41.
107		10.87	1464.	244		6.97	939.
108		1.58	213.	245		0.57	77.
110		24.79	3340.	246		0.82	111.
111		2.48	334.	255		37.11	5000.
117		4.91	661.	256		5.11	688.
123		0.54	73.	258		1.31	177.
127		47.39	6384.	265		0.29	39.
128		2.65	357.	273		0.63	85.
129		15.80	2128.	274		3.17	427.
130		0.56	76.	275		20.10	2708.
135		0.62	84.	276		2.37	319.
141		1.22	164.	277		0.75	101.
147		0.42	57.	296		3.33	448.
148		1.15	155.	303		0.26	35.
155		0.50	68.	323		1.28	173.
156		1.24	167.	334		0.54	73.
160		0.26	35.	354		0.30	41.
161		0.59	79.	365		1.60	215.
167		2.62	353.	372		0.54	73.
168		0.52	70.	423		2.49	335.
174		0.31	42.	424		0.31	42.
175		1.12	151.	441		5.59	753.
177		0.26	35.	442		57.84	7792.
179		1.54	208.	443		10.07	1356.
180		1.37	184.	444		0.53	72.
181		0.62	83.				

RIC+MASS CHROMATOGRAM DATA: FS0316C01 #254 SCANS 204 TO 276
03/16/93 12:11:00 CALI: FS0316C01 #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 204, 304 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



011225

011226

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. ---
CONTRACT LAB: KEYSTONE
CONTRACT NO. ---
INSTRUMENT IDENTIFIER: 4510
CALIBRATION DATE: 03/09/93
STANDARD FILE: FS0316C02
DATE: 03/16/93 TIME: 12:24
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.707	1.689	-1.040
C325	BIS(2-CHLOROETHYL)ETHE	1.786	1.569	-12.160
C330	2-CHLOROPHENOL	1.401	1.432	2.190
C335	1,3-DICHLOROBENZENE	1.562	1.549	-0.871
C340	1,4-DICHLOROBENZENE	1.613	1.686	4.485
C345	BENZYL ALCOHOL	0.873	0.938	7.413
C350	1,2-DICHLOROBENZENE	1.501	1.547	3.069
C355	2-METHYLPHENOL	1.391	1.502	7.933
C357	2,2'-OXYBIS(1-CHLOROPR	2.392	2.099	-12.234
C365	4-METHYLPHENOL	1.477	1.565	5.926
C370	N-NITROSODIPROPYLAMINE	1.294	1.048	-19.021
C375	HEXACHLOROETHANE	0.640	0.662	3.379
C410	NITROBENZENE	0.522	0.373	-28.467
C415	ISOPHORONE	0.825	0.746	-9.559
C420	2-NITROPHENOL	0.204	0.200	-1.878
C425	2,4-DIMETHYLPHENOL	0.347	0.321	-7.463
C430	BENZOIC ACID	0.212	0.226	6.718
C435	BIS(2-CHLOROETHOXY)MET	0.540	0.480	-11.129
C440	2,4-DICHLOROPHENOL	0.289	0.270	-6.498
C445	1,2,4-TRICHLOROBENZENE	0.305	0.283	-7.257
C450	NAPHTHALENE	1.070	1.034	-3.354
C455	4-CHLOROANILINE	0.390	0.416	6.824
C460	HEXACHLOROBUTADIENE	0.155	0.125	-19.100
C465	P-CHLORO-M-CRESOL	0.313	0.289	-7.682
C470	2-METHYLNAPHTHALENE	0.844	0.809	-4.182
C510	HEXACHLOROCYCLOPENTADI	0.330	0.288	-12.877
C515	2,4,6-TRICHLOROPHENOL	0.348	0.332	-4.806
C520	2,4,5-TRICHLOROPHENOL	0.393	0.389	-0.861
C525	2-CHLORONAPHTHALENE	1.284	1.288	0.320
C530	2-NITROANILINE	0.423	0.361	-14.561
C535	DIMETHYL PHTHALATE	1.475	1.296	-12.132
C540	ACENAPHTHYLENE	1.942	1.946	0.233
C545	3-NITROANILINE	0.342	0.331	-3.221
C550	ACENAPHTHENE	1.115	1.077	-3.365
C555	2,4-DINITROPHENOL	0.179	0.166	-7.378
C560	4-NITROPHENOL	0.150	0.119	-20.626
C565	DIBENZOFURAN	1.679	1.633	-2.766
C570	2,4-DINITROTOLUENE	0.414	0.374	-9.536
C543	2,6-DINITROTOLUENE	0.331	0.321	-3.014
C580	DIETHYL PHTHALATE	1.588	1.396	-12.087
C585	4-CHLOROPHENYL PHENYL	0.654	0.555	-15.183
C590	FLUORENE	1.319	1.271	-3.655
C595	4-NITROANILINE	0.342	0.299	-12.564
C610	4,6-DINITRO-2-METHYLPH	0.157	0.172	9.702
C615	N-NITROSODIPHENYLAMINE	0.711	0.677	-4.765
C625	4-BROMOPHENYL PHENYL E	0.201	0.172	-14.438
C630	HEXACHLOROBENZENE	0.174	0.165	-5.343
C635	PENTACHLOROPHENOL	0.115	0.108	-5.752
C640	PHENANTHRENE	1.221	1.260	3.174
C645	ANTHRACENE	1.243	1.250	0.554
C650	DI-N-BUTYL PHTHALATE	1.850	1.677	-9.346
C655	FLUORANTHENE	1.076	1.050	-2.460

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C715	PYRENE	1.717	1.870	8.885
C720	BUTYL BENZYL PHTHALATE	1.182	1.166	-1.344
C725	3,3'-DICHLOROBENZIDINE	0.383	0.360	-5.977
C730	BENZO(A)ANTHRACENE	1.356	1.497	10.435
C745	BIS(2-ETHYLHEXYL)PHTHA	1.724	1.617	-6.184
C740	CHRYSENE	1.220	1.093	-10.362
C760	DI-N-OCTYL PHTHALATE	3.612	3.756	4.000
C765	BENZO(B)FLUORANTHENE	1.531	1.703	11.277
C770	BENZO(K)FLUORANTHENE	1.419	1.259	-11.253
C775	BENZO(A)PYRENE	1.160	1.220	5.154
C780	INDENO(1,2,3-CD)PYRENE	0.849	0.757	-10.826
C785	DIBENZO(A,H)ANTHRACENE	0.819	0.743	-9.200
C790	BENZO(GHI)PERYLENE	0.866	0.841	-2.904
C310	N-NITROSODIMETHYLAMINE	0.907	0.591	-34.863
C620	1,2-DIPHENYL-HYDRAZINE	1.203	1.198	-0.418
CS70	2-CHLOROPHENOL-D4 ** S	1.781	1.919	7.750
CS75	1,2-DICHLOROBENZENE-D4	0.881	0.890	1.008
C647	CARBAZOLE	1.127	1.144	1.481
CS50	2-FLUOROPHENOL ** SU1	1.289	1.368	6.078
CS45	PHENOL-D5 ** SU2 **	1.819	1.869	2.704
CS55	2,4,6-TRIBROMOPHENOL	0.101	0.094	-6.967
CS20	NITROBENZENE-D5 ** SU3	0.378	0.349	-7.677
CS25	2-FLUOROBIPHENYL ** SU	1.346	1.360	0.992
CS30	TERPHENYL-D14 ** SU6	1.261	1.351	7.167
BENZENETHIOL				
METHYL CHRYSENE				
QUINOLINE				
C720	1-METHYLNAPHTHALENE			
7,12-DIMETHYLBENZ(A)ANTHRACE				
DIBENZ(A,H)ACRIDINE				
3+4-METHYLPHENOL				
INDENE				
A950	PYRIDINE			
A953	2,6-DICHLOROPHENOL			
A987	2,5-DICHLOROPHENOL			
A988	3,4-DICHLOROPHENOL			
A989	2,3-DICHLOROPHENOL			
A990	3,5-DICHLOROPHENOL			
A991	1,3,5-TRICHLOROBENZENE			
A992	1,2,3-TRICHLOROBENZENE			

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CHESTER DC # -----17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0316C02

CLIENT CHESTER ANALYST JDD

DATE INJECTED 03/16/93 12:24:00 VERFIED BY

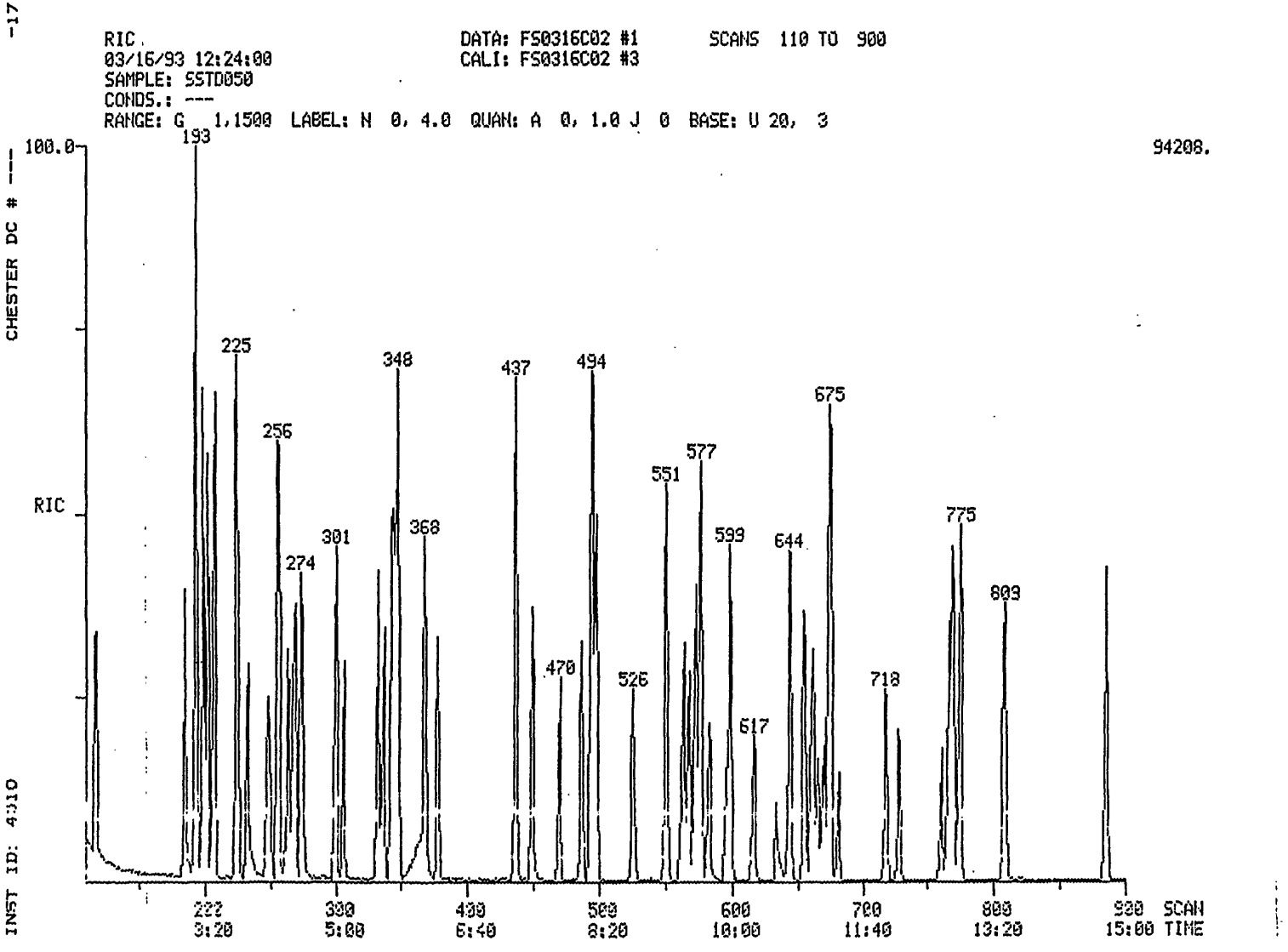
	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	206	40	11530	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	346	40	45027	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	573	40	22467	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	766	40	29976	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1126	40	16403	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1306	40	12219	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	117	50	19712	0.568	1.368
CS45	PHENOL-D5 ** SU2 **	99	198	50	26930	0.961	1.869
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	682	50	2626	1.190	0.094
CS20	NITROBENZENE-D5 ** SU3 **	82	268	50	19626	0.775	0.349
CS25	2-FLUOROBIPHENYL ** SU4 **	172	495	50	38190	0.864	1.360
CS30	TERPHENYL-D14 ** SU6 **	244	998	50	27704	0.886	1.351
C315	PHENOL	94	199	50	24348	0.966	1.689
C325	BIS(2-CHLOROETHYL)ETHER	93	193	50	22616	0.937	1.569
C330	2-CHLOROPHENOL	128	194	50	20637	0.942	1.432
C335	1,3-DICHLOROBENZENE	146	202	50	22323	0.981	1.549
C340	1,4-DICHLOROBENZENE	146	208	50	24294	1.010	1.686
C345	BENZYL ALCOHOL	108	233	50	13522	1.131	0.938
C350	1,2-DICHLOROBENZENE	146	225	50	22300	1.092	1.547
C355	2-METHYLPHENOL	108	257	50	21644	1.248	1.502
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	248	50	30257	1.204	2.099
C365	4-METHYLPHENOL	108	274	50	22556	1.330	1.565
C370	N-NITROSODIPROPYLAMINE	70	264	50	15100	1.282	1.048
C375	HEXACHLOROETHANE	117	256	50	9538	1.243	0.662
C410	NITROBENZENE	77	270	50	21021	0.780	0.373
C415	ISOPHORONE	82	301	50	42000	0.870	0.746
C420	2-NITROPHENOL	139	307	50	11258	0.887	0.200
C425	2,4-DIMETHYLPHENOL	107	332	50	18058	0.960	0.321
C430	BENZOIC ACID	122	368	50	12725	1.064	0.226
C435	BIS(2-CHLOROETHOXY)METHANE	93	337	50	26997	0.974	0.480
C440	2,4-DICHLOROPHENOL	162	342	50	15204	0.988	0.270
C445	1,2,4-TRICHLOROBENZENE	180	344	50	15934	0.994	0.283
C450	NAPHTHALENE	128	348	50	58176	1.006	1.034
C455	4-CHLOROANILINE	127	368	50	23427	1.064	0.416
C460	HEXACHLOROBUTADIENE	225	378	50	7057	1.092	0.125
C465	P-CHLORO-M-CRESOL	107	449	50	16242	1.298	0.289
C470	2-METHYLNAPHTHALENE	142	437	50	45533	1.263	0.809
C510	HEXACHLOROCYCLOPENTADIENE	237	470	50	8076	0.820	0.288
C515	2,4,6-TRICHLOROPHENOL	196	487	50	9316	0.850	0.332
C520	2,4,5-TRICHLOROPHENOL	196	494	50	10931	0.862	0.389
C525	2-CHLORONAPHTHALENE	162	498	50	36171	0.869	1.288
C530	2-NITROANILINE	65	526	50	10150	0.918	0.361
C535	DIMETHYL PHTHALATE	163	564	50	36408	0.984	1.296
C540	ACENAPHTHYLENE	152	551	50	54660	0.962	1.946
C545	3-NITROANILINE	138	583	50	9297	1.017	0.331
C550	ACENAPHTHENE	153	577	50	30250	1.007	1.077

011229

SV STANDARD REPORT PAGE 2

DATAFILE FS0316C02

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	596	50	4653	1.040	0.166
C560	4-NITROPHENOL	109	633	50	3338	1.105	0.119
C565	DIBENZOFURAN	168	599	50	45857	1.045	1.633
C570	2,4-DINITROTOLUENE	165	617	50	10508	1.077	0.374
C543	2,6-DINITROTOLUENE	165	568	50	9008	0.991	0.321
C580	DIETHYL PHTHALATE	149	662	50	39198	1.155	1.396
C585	4-CHLOROPHENYL PHENYL ETHER	204	655	50	15574	1.143	0.555
C590	FLUORENE	166	644	50	35685	1.124	1.271
C595	4-NITROANILINE	138	666	50	8404	1.162	0.299
C610	4,6-DINITRO-2-METHYLPHENOL	198	671	50	6450	0.876	0.172
C615	N-NITROSODIPHENYLAMINE	169	676	50	25360	0.883	0.677
C625	4-BROMOPHENYL PHENYL ETHER	248	718	50	6437	0.937	0.172
C630	HEXACHLOROBENZENE	284	728	50	6166	0.950	0.165
C635	PENTACHLOROPHENOL	266	761	50	4052	0.993	0.108
C640	PHENANTHRENE	178	769	50	47216	1.004	1.260
C645	ANTHRACENE	178	775	50	46824	1.012	1.250
C650	DI-N-BUTYL PHTHALATE	149	886	50	62830	1.157	1.677
C655	FLUORANTHENE	202	929	50	39332	1.213	1.050
C715	PYRENE	202	956	50	38337	0.849	1.870
C720	BUTYL BENZYL PHTHALATE	149	1084	50	23909	0.963	1.166
C725	3,3'-DICHLOROBENZIDINE	252	1137	50	7374	1.010	0.360
C730	BENZO(A)ANTHRACENE	228	1124	50	30697	0.998	1.497
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1179	50	33155	1.047	1.617
C740	CHRYSENE	228	1129	50	22420	1.003	1.093
C760	DI-N-OCTYL PHTHALATE	149	1260	50	57370	0.965	3.756
C765	BENZO(B)FLUORANTHENE	252	1263	50	26017	0.967	1.703
C770	BENZO(K)FLUORANTHENE	252	1266	50	19237	0.969	1.259
C775	BENZO(A)PYRENE	252	1299	50	18635	0.995	1.220
C780	INDENO(1,2,3-CD)PYRENE	276	1421	50	11569	1.088	0.757
C785	DIBENZO(A,H)ANTHRACENE	278	1427	50	11355	1.093	0.743
C790	BENZO(GHI)PERYLENE	276	1445	50	12845	1.106	0.841
C620	1,2-DIPHENYL-HYDRAZINE						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CALI: FS0316C02 #3
SCANS 110 TO 900
94208.
CHESTER DC # ---
INST ID: 4310
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644
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718
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SCAN
TIME

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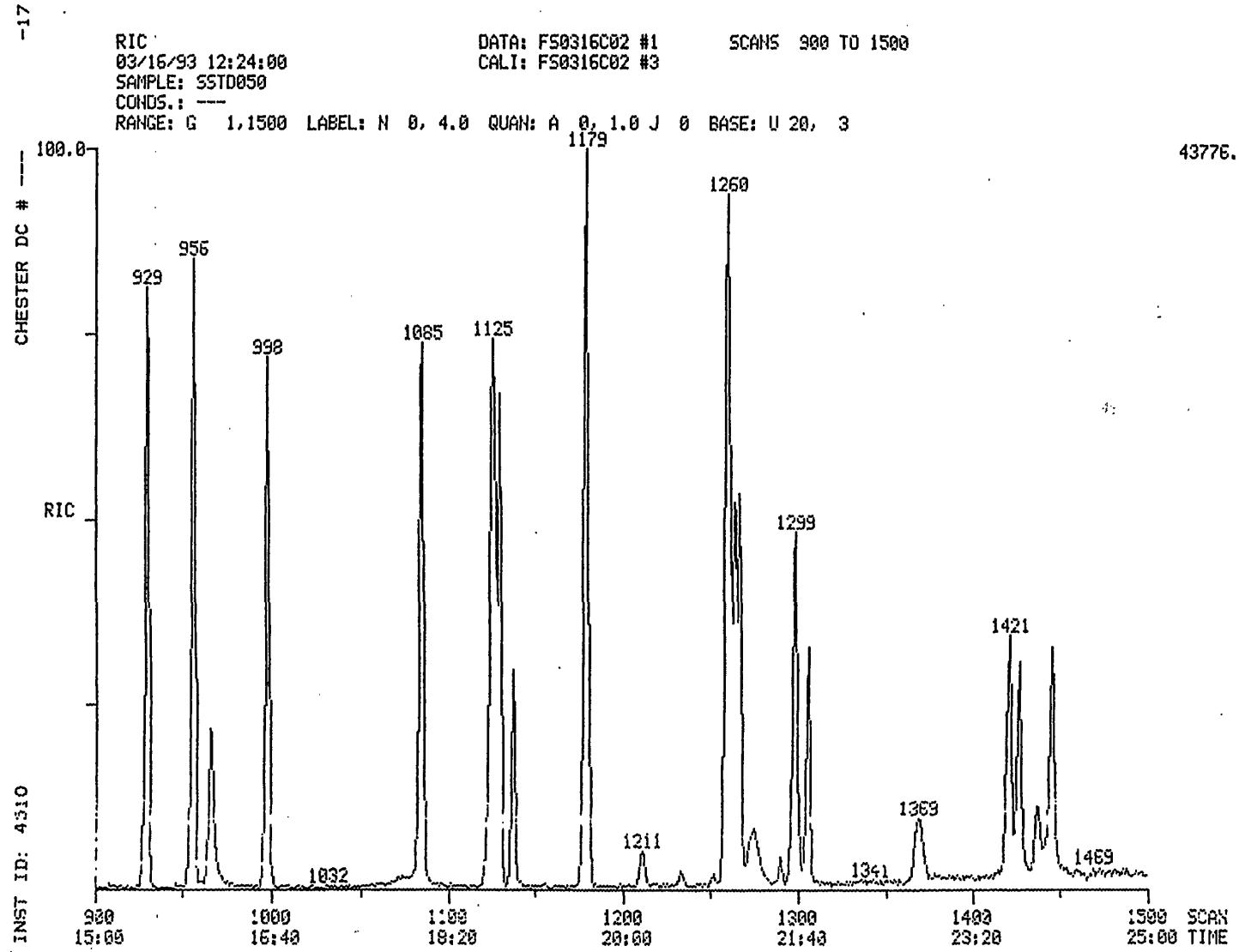
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03/16/93 12:24:00
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CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: FS0316C02 #1
CALI: FS0316C02 #3
SCANS 900 TO 1500
43776.
CHESTER DC # ---
INST ID: 4310
100.0
RIC
929
956
998
1032
1085
1125
1179
1211
1260
1299
1341
1369
1421
1469
900 15:00
1000 16:40
1100 18:20
1200 20:00
1300 21:40
1400 23:20
1500 25:00
SCAN TIME

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Quantitation Report File: FS0316C02

Data: FS0316C02.TI
03/16/93 12:24:00
Sample: SSTD050
Conds.: ---
Formula: 03/09/93 Instrument: 4510 Weight: 1.000
Submitted by: CHESTER Analyst: JDD Acct. No.: ---

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **	
2	CI40	NAPHTHALENE-D8 ** IS2 **	
3	CI50	ACENAPHTHENE-D10 ** IS3 **	
4	CI60	PHENANTHRENE-D10 ** IS4 **	
5	CI70	CHRYSENE-D12 ** IS5 **	
6	CI75	PERYLENE-D12 ** IS6 **	
7	CS50	2-FLUOROPHENOL ** SU1 **	
8	CS45	PHENOL-D5 ** SU2 **	
9	CS55	2,4,6-TRIBROMOPHENOL ** SU5 **	
10	CS20	NITROBENZENE-D5 ** SU3 **	
11	CS25	2-FLUOROBIPHENYL ** SU4 **	
12	CS30	TERPHENYL-D14 ** SU6 **	
13	C315	PHENOL	10A
14	C325	BIS(2-CHLOROETHYL)ETHER	11B
15	C330	2-CHLOROPHENOL	1A
16	C335	1,3-DICHLOROBENZENE	21B
17	C340	1,4-DICHLOROBENZENE	22B
18	C345	BENZYL ALCOHOL	
19	C350	1,2-DICHLOROBENZENE	20B
20	C355	2-METHYLPHENOL	
21	C357	2,2'-OXYBIS(1-CHLOROPROPANE)	
22	C365	4-METHYLPHENOL	
23	C370	N-NITROSODIPROPYLAMINE	42B
24	C375	HEXACHLOROETHANE	36B
25	C410	NITROBENZENE	40B
26	C415	ISOPHORONE	38B
27	C420	2-NITROPHENOL	6A
28	C425	2,4-DIMETHYLPHENOL	3A
29	C430	BENZOIC ACID	
30	C435	BIS(2-CHLOROETHOXY)METHANE	10B
31	C440	2,4-DICHLOROPHENOL	2A
32	C445	1,2,4-TRICHLOROBENZENE	46B
33	C450	NAPHTHALENE	39B
34	C455	4-CHLOROANILINE	
35	C460	HEXACHLOROBUTADIENE	34B
36	C465	P-CHLORO-M-CRESOL	8A
37	C470	2-METHYLNAPHTHALENE	
38	C510	HEXACHLOROCYCLOPENTADIENE	35B
39	C515	2,4,6-TRICHLOROPHENOL	11A
40	C520	2,4,5-TRICHLOROPHENOL	
41	C525	2-CHLORONAPHTHALENE	16B
42	C530	2-NITROANILINE	
43	C535	DIMETHYL PHTHALATE	25B
44	C540	ACENAPHTHYLENE	2B
45	C545	3-NITROANILINE	
46	C550	ACENAPHTHENE	1B
47	C555	2,4-DINITROPHENOL	5A

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No	Name		
48	C560	4-NITROPHENOL	7A
49	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	206	3:26	1	1.000	A BB	11530.	40.000 UG/L	0.99
2	136	346	5:46	2	1.000	A BB	45027.	40.000 UG/L	0.99
3	164	573	9:33	3	1.000	A VB	22467.	40.000 UG/L	0.99
4	188	766	12:46	4	1.000	A BB	29976.	40.000 UG/L	0.99
5	240	1126	18:46	5	1.000	A BB	16403.	40.000 UG/L	0.99
6	264	1306	21:46	6	1.000	A BB	12219.	40.000 UG/L	0.99
7	112	117	1:57	1	0.568	A BB	19712.	50.000 UG/L	1.24
8	99	198	3:18	1	0.961	A BB	26930.	50.000 UG/L	1.24
9	330	682	11:22	3	1.190	A BB	2626.	50.000 UG/L	1.24
10	82	268	4:28	2	0.775	A BB	19626.	50.000 UG/L	1.24
11	172	495	8:15	3	0.864	A BB	38190.	50.000 UG/L	1.24
12	244	998	16:38	5	0.886	A BB	27704.	50.000 UG/L	1.24
13	94	199	3:19	1	0.966	A BB	24348.	50.000 UG/L	1.24
14	93	193	3:13	1	0.937	A VV	22616.	50.000 UG/L	1.24
15	128	194	3:14	1	0.942	A BB	20637.	50.000 UG/L	1.24
16	146	202	3:22	1	0.981	A BV	22323.	50.000 UG/L	1.24
17	146	208	3:28	1	1.010	A VB	24294.	50.000 UG/L	1.24
18	108	233	3:53	1	1.131	A BB	13522.	50.000 UG/L	1.24
19	146	225	3:45	1	1.092	A BB	22300.	50.000 UG/L	1.24
20	108	257	4:17	1	1.248	A BB	21644.	50.000 UG/L	1.24
21	45	248	4:08	1	1.204	A BB	30257.	50.000 UG/L	1.24
22	108	274	4:34	1	1.330	A BB	22556.	50.000 UG/L	1.24
23	70	264	4:24	1	1.282	M XX	15100.	50.000 UG/L	1.24
24	117	256	4:16	1	1.243	A BB	9538.	50.000 UG/L	1.24
25	77	270	4:30	2	0.780	A BV	21021.	50.000 UG/L	1.24
26	82	301	5:01	2	0.870	A BB	42000.	50.000 UG/L	1.24
27	139	307	5:07	2	0.887	A BB	11258.	50.000 UG/L	1.24
28	107	332	5:32	2	0.960	A BB	18058.	50.000 UG/L	1.24
29	122	368	6:08	2	1.064	A BB	12725.	50.000 UG/L	1.24
30	93	337	5:37	2	0.974	A BB	26997.	50.000 UG/L	1.24
31	162	342	5:42	2	0.988	A BB	15204.	50.000 UG/L	1.24
32	180	344	5:44	2	0.994	A BB	15934.	50.000 UG/L	1.24
33	128	348	5:48	2	1.006	A VB	58176.	50.000 UG/L	1.24
34	127	368	6:08	2	1.064	A BV	23427.	50.000 UG/L	1.24
35	225	378	6:18	2	1.092	A BB	7057.	50.000 UG/L	1.24
36	107	449	7:29	2	1.298	A BB	16242.	50.000 UG/L	1.24
37	142	437	7:17	2	1.263	A BB	45533.	50.000 UG/L	1.24
38	237	470	7:50	3	0.820	A BB	8076.	50.000 UG/L	1.24
39	196	487	8:07	3	0.850	A BB	9316.	50.000 UG/L	1.24
40	196	494	8:14	3	0.862	A BB	10931.	50.000 UG/L	1.24
41	162	498	8:18	3	0.869	A BB	36171.	50.000 UG/L	1.24
42	65	526	8:46	3	0.918	A BB	10150.	50.000 UG/L	1.24
43	163	564	9:24	3	0.984	A BV	36408.	50.000 UG/L	1.24
44	152	551	9:11	3	0.962	A BB	54660.	50.000 UG/L	1.24
45	138	583	9:43	3	1.017	A BB	9297.	50.000 UG/L	1.24
46	153	577	9:37	3	1.007	A BB	30250.	50.000 UG/L	1.24
47	184	596	9:56	3	1.040	A BB	4653.	50.000 UG/L	1.24
48	109	633	10:33	3	1.105	A BB	3338.	50.000 UG/L	1.24
49	168	599	9:59	3	1.045	A BB	45857.	50.000 UG/L	1.24
50	165	617	10:17	3	1.077	A BB	10508.	50.000 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	3:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	5:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	9:33	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	12:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	18:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	21:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	1:57	1.00	0.568	1.00	50.00	50.00	1.368	1.368	1.00
8	3:18	1.00	0.961	1.00	50.00	50.00	1.869	1.869	1.00
9	11:22	1.00	1.190	1.00	50.00	50.00	0.094	0.094	1.00
10	4:28	1.00	0.775	1.00	50.00	50.00	0.349	0.349	1.00
11	8:15	1.00	0.864	1.00	50.00	50.00	1.360	1.360	1.00
12	16:38	1.00	0.886	1.00	50.00	50.00	1.351	1.351	1.00
13	3:19	1.00	0.966	1.00	50.00	50.00	1.689	1.689	1.00
14	3:13	1.00	0.937	1.00	50.00	50.00	1.569	1.569	1.00
15	3:14	1.00	0.942	1.00	50.00	50.00	1.432	1.432	1.00
16	3:22	1.00	0.981	1.00	50.00	50.00	1.549	1.549	1.00
17	3:28	1.00	1.010	1.00	50.00	50.00	1.686	1.686	1.00
18	3:53	1.00	1.131	1.00	50.00	50.00	0.938	0.938	1.00
19	3:45	1.00	1.092	1.00	50.00	50.00	1.547	1.547	1.00
20	4:17	1.00	1.248	1.00	50.00	50.00	1.502	1.502	1.00
21	4:08	1.00	1.204	1.00	50.00	50.00	2.099	2.099	1.00
22	4:34	1.00	1.330	1.00	50.00	50.00	1.565	1.565	1.00
23	4:24	1.00	1.282	1.00	50.00	50.00	1.048	1.048	1.00
24	4:16	1.00	1.243	1.00	50.00	50.00	0.662	0.662	1.00
25	4:30	1.00	0.780	1.00	50.00	50.00	0.373	0.373	1.00
26	5:01	1.00	0.870	1.00	50.00	50.00	0.746	0.746	1.00
27	5:07	1.00	0.887	1.00	50.00	50.00	0.200	0.200	1.00
28	5:32	1.00	0.960	1.00	50.00	50.00	0.321	0.321	1.00
29	6:08	1.00	1.064	1.00	50.00	50.00	0.226	0.226	1.00
30	5:37	1.00	0.974	1.00	50.00	50.00	0.480	0.480	1.00
31	5:42	1.00	0.988	1.00	50.00	50.00	0.270	0.270	1.00
32	5:44	1.00	0.994	1.00	50.00	50.00	0.283	0.283	1.00
33	5:48	1.00	1.006	1.00	50.00	50.00	1.034	1.034	1.00
34	6:08	1.00	1.064	1.00	50.00	50.00	0.416	0.416	1.00
35	6:18	1.00	1.092	1.00	50.00	50.00	0.125	0.125	1.00
36	7:29	1.00	1.298	1.00	50.00	50.00	0.289	0.289	1.00
37	7:17	1.00	1.263	1.00	50.00	50.00	0.809	0.809	1.00
38	7:50	1.00	0.820	1.00	50.00	50.00	0.288	0.288	1.00
39	8:07	1.00	0.850	1.00	50.00	50.00	0.332	0.332	1.00
40	8:14	1.00	0.862	1.00	50.00	50.00	0.389	0.389	1.00
41	8:18	1.00	0.869	1.00	50.00	50.00	1.288	1.288	1.00
42	8:46	1.00	0.918	1.00	50.00	50.00	0.361	0.361	1.00
43	9:24	1.00	0.984	1.00	50.00	50.00	1.296	1.296	1.00
44	9:11	1.00	0.962	1.00	50.00	50.00	1.946	1.946	1.00
45	9:43	1.00	1.017	1.00	50.00	50.00	0.331	0.331	1.00
46	9:37	1.00	1.007	1.00	50.00	50.00	1.077	1.077	1.00
47	9:56	1.00	1.040	1.00	50.00	50.00	0.166	0.166	1.00
48	10:33	1.00	1.105	1.00	50.00	50.00	0.119	0.119	1.00
49	9:59	1.00	1.045	1.00	50.00	50.00	1.633	1.633	1.00
50	10:17	1.00	1.077	1.00	50.00	50.00	0.374	0.374	1.00

011234

011234

Quantitation Report File: FS0316C02

Data: FS0316C02.TI
03/16/93 12:24:00
Sample: SSTD050
Conds.: ---
Formula: 03/09/93 Instrument: 4510 Weight: 1.000
Submitted by: CHESTER Analyst: JDD Acct. No.: ---

AMOUNT: AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
51	C543	2,6-DINITROTOLUENE	28B
52	C580	DIETHYL PHTHALATE	24B
53	C585	4-CHLOROPHENYL PHENYL ETHER	17B
54	C590	FLUORENE	32B
55	C595	4-NITROANILINE	
56	C610	4,6-DINITRO-2-METHYLPHENOL	4A
57	C615	N-NITROSODIPHENYLAMINE	43B
58	C625	4-BROMOPHENYL PHENYL ETHER	14B
59	C630	HEXACHLOROBENZENE	33B
60	C635	PENTACHLOROPHENOL	9A
61	C640	PHENANTHRENE	44B
62	C645	ANTHRACENE	3B
63	C650	DI-N-BUTYL PHTHALATE	26B
64	C655	FLUORANTHENE	31B
65	C715	PYRENE	45B
66	C720	BUTYL BENZYL PHTHALATE	15B
67	C725	3,3'-DICHLOROBENZIDINE	23B
68	C730	BENZO(A)ANTHRACENE	5B
69	C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B
70	C740	CHRYSENE	18B
71	C760	DI-N-OCTYL PHTHALATE	29B
72	C765	BENZO(B)FLUORANTHENE	7B
73	C770	BENZO(K)FLUORANTHENE	9B
74	C775	BENZO(A)PYRENE	6B
75	C780	INDENO(1,2,3-CD)PYRENE	37B
76	C785	DIBENZO(A,H)ANTHRACENE	19B
77	C790	BENZO(GHI)PERYLENE	8B
78	C310	N-NITROSODIMETHYLAMINE	41B
79	C710	BENZIDINE	4B
80	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
81	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
82	C647	CARBAZOLE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	568	9:28	3	0.991	A BV	9008.	50.000 UG/L	1.24
52	149	662	11:02	3	1.155	A BB	39198.	50.000 UG/L	1.24
53	204	655	10:55	3	1.143	A BB	15574.	50.000 UG/L	1.24
54	166	644	10:44	3	1.124	A BB	35685.	50.000 UG/L	1.24
55	138	666	11:06	3	1.162	A BB	8404.	50.000 UG/L	1.24
56	198	671	11:11	4	0.876	A BB	6450.	50.000 UG/L	1.24
57	169	676	11:16	4	0.883	A BB	25360.	50.000 UG/L	1.24
58	248	718	11:58	4	0.937	A BB	6437.	50.000 UG/L	1.24
59	284	728	12:08	4	0.950	A BB	6166.	50.000 UG/L	1.24
60	266	761	12:41	4	0.993	A BB	4052.	50.000 UG/L	1.24
61	178	769	12:49	4	1.004	A BV	47216.	50.000 UG/L	1.24

011235

011236

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
62	178	775	12:55	4	1.012	A VB	46824.	50.000 UG/L	1.24
63	149	886	14:46	4	1.157	A BB	62830.	50.000 UG/L	1.24
64	202	929	15:29	4	1.213	A BB	39332.	50.000 UG/L	1.24
65	202	956	15:56	5	0.849	A BB	38337.	50.000 UG/L	1.24
66	149	1084	18:04	5	0.963	A BB	23909.	50.000 UG/L	1.24
67	252	1137	18:57	5	1.010	A BB	7374.	50.000 UG/L	1.24
68	228	1124	18:44	5	0.998	A BV	30697.	50.000 UG/L	1.24
69	149	1179	19:39	5	1.047	A BB	33155.	50.000 UG/L	1.24
70	228	1129	18:49	5	1.003	A VB	22420.	50.000 UG/L	1.24
71	149	1260	21:00	6	0.965	A BB	57370.	50.000 UG/L	1.24
72	252	1263	21:03	6	0.967	M XX	26017.	50.000 UG/L	1.24
73	252	1266	21:06	6	0.969	M XX	19237.	50.000 UG/L	1.24
74	252	1299	21:39	6	0.995	A BB	18635.	50.000 UG/L	1.24
75	276	1421	23:41	6	1.088	A BV	11569.	50.000 UG/L	1.24
76	278	1427	23:47	6	1.093	A BV	11355.	50.000 UG/L	1.24
77	276	1445	24:05	6	1.106	A BB	12845.	50.000 UG/L	1.24
78	74	53	0:53	1	0.257	A VB	8512.	50.000 UG/L	1.24
79	184	965	16:05	5	0.857	A BB	19176.	50.000 UG/L	1.24
80	132	193	3:13	1	0.937	A BB	27660.	50.000 UG/L	1.24
81	152	224	3:44	1	1.087	M XX	12821.	50.000 UG/L	1.24
82	167	809	13:29	4	1.056	M XX	42850.	50.000 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:28	1.00	0.991	1.00	50.00	50.00	0.321	0.321	1.00
52	11:02	1.00	1.155	1.00	50.00	50.00	1.396	1.396	1.00
53	10:55	1.00	1.143	1.00	50.00	50.00	0.555	0.555	1.00
54	10:44	1.00	1.124	1.00	50.00	50.00	1.271	1.271	1.00
55	11:06	1.00	1.162	1.00	50.00	50.00	0.299	0.299	1.00
56	11:11	1.00	0.876	1.00	50.00	50.00	0.172	0.172	1.00
57	11:16	1.00	0.883	1.00	50.00	50.00	0.677	0.677	1.00
58	11:58	1.00	0.937	1.00	50.00	50.00	0.172	0.172	1.00
59	12:08	1.00	0.950	1.00	50.00	50.00	0.165	0.165	1.00
60	12:41	1.00	0.993	1.00	50.00	50.00	0.108	0.108	1.00
61	12:49	1.00	1.004	1.00	50.00	50.00	1.260	1.260	1.00
62	12:55	1.00	1.012	1.00	50.00	50.00	1.250	1.250	1.00
63	14:46	1.00	1.157	1.00	50.00	50.00	1.677	1.677	1.00
64	15:29	1.00	1.213	1.00	50.00	50.00	1.050	1.050	1.00
65	15:56	1.00	0.849	1.00	50.00	50.00	1.870	1.870	1.00
66	18:04	1.00	0.963	1.00	50.00	50.00	1.166	1.166	1.00
67	18:57	1.00	1.010	1.00	50.00	50.00	0.360	0.360	1.00
68	18:44	1.00	0.998	1.00	50.00	50.00	1.497	1.497	1.00
69	19:39	1.00	1.047	1.00	50.00	50.00	1.617	1.617	1.00
70	18:49	1.00	1.003	1.00	50.00	50.00	1.093	1.093	1.00
71	21:00	1.00	0.965	1.00	50.00	50.00	3.756	3.756	1.00
72	21:03	1.00	0.967	1.00	50.00	50.00	1.703	1.703	1.00
73	21:06	1.00	0.969	1.00	50.00	50.00	1.259	1.259	1.00
74	21:39	1.00	0.995	1.00	50.00	50.00	1.220	1.220	1.00
75	23:41	1.00	1.088	1.00	50.00	50.00	0.757	0.757	1.00
76	23:47	1.00	1.093	1.00	50.00	50.00	0.743	0.743	1.00
77	24:05	1.00	1.106	1.00	50.00	50.00	0.841	0.841	1.00
78	0:53	1.00	0.257	1.00	50.00	50.00	0.591	0.591	1.00
79	16:05	1.00	0.857	1.00	50.00	50.00	0.935	0.935	1.00
80	3:13	1.00	0.937	1.00	50.00	50.00	1.919	1.919	1.00
81	3:44	1.00	1.087	1.00	50.00	50.00	0.890	0.890	1.00
82	13:29	1.00	1.056	1.00	50.00	50.00	1.144	1.144	1.00

011237

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	03/17/93	Sens Time:	10:04:00
Lab ID:	FS0317C01	Cali Date:	03/09/93	Analyst:	JDD

Data release authorized by: Juanita D. Drummond

M/E	Ion Abundance Criteria	Spec # 251	
51	30 to 60% of mass 198	41.07	
68	less than 2% of mass 69	0.69	(1.56) 1
69	mass 69 relative abundance	44.22	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	49.14	
197	less than 1% of mass 198	0.43	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.41	
275	10 TO 30% of mass 198	19.16	
365	greater than 1% of mass 198	1.69	
441	less than mass 443	6.10	
442	greater than 40% of mass 198	55.90	
443	17 TO 23% of mass 442	9.65	(17.27) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

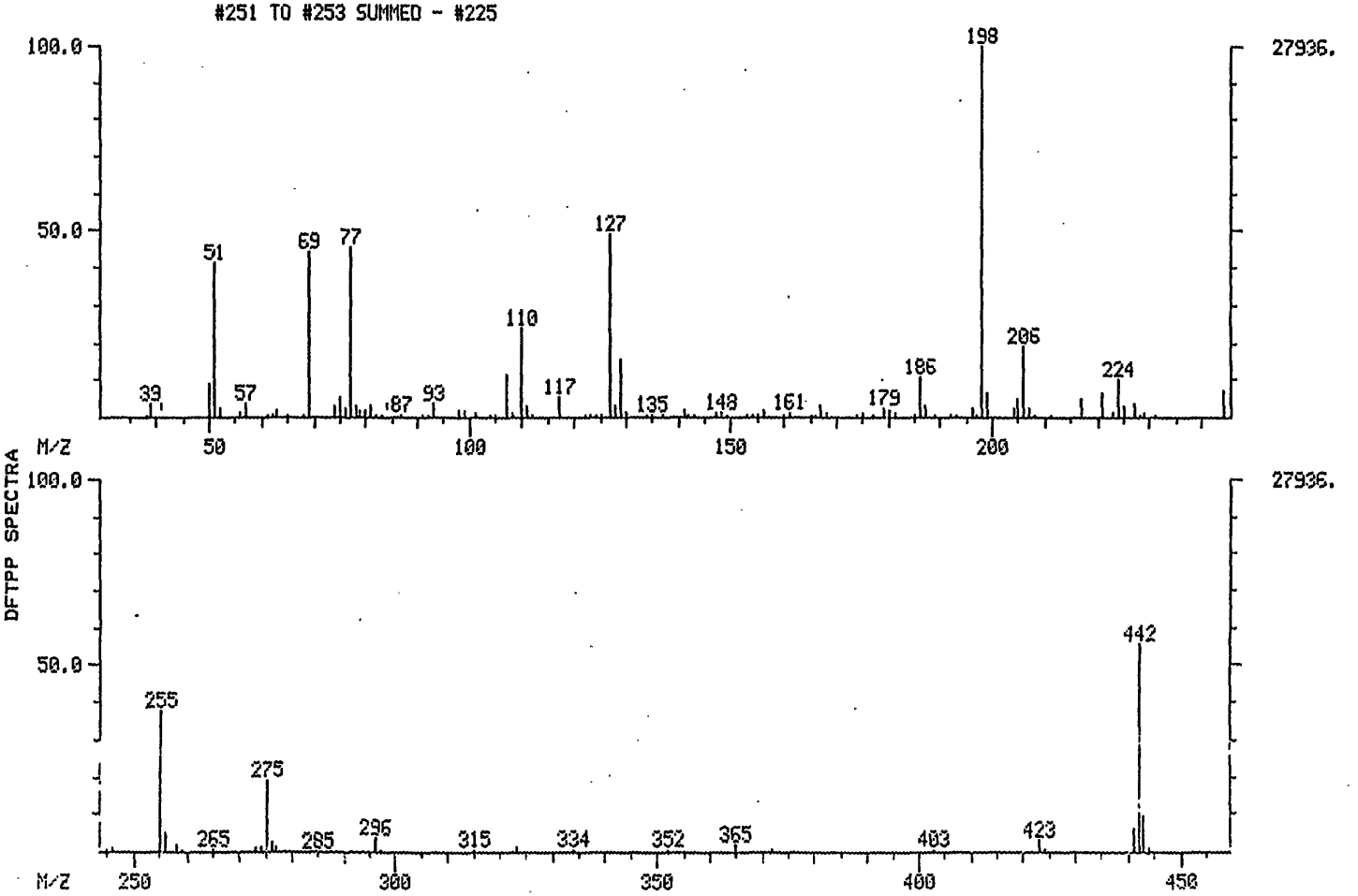
-15

CHESTER DC # ---

MASS SPECTRUM
03/17/93 10:04:00 + 4:12
SAMPLE: DFTPP
CONDS.: ---
GC TEMP:*158 DEG. C
#251 TO #253 SUMMED - #225

DATA: FS0317C01 #252
CALI: FS0317C01 #3

BASE M/Z: 198
RIC: 191488.



DFTPP SPECTRA

INST ID: 4510

011238

INST ID: 4510 CHESTER DC # --- -15

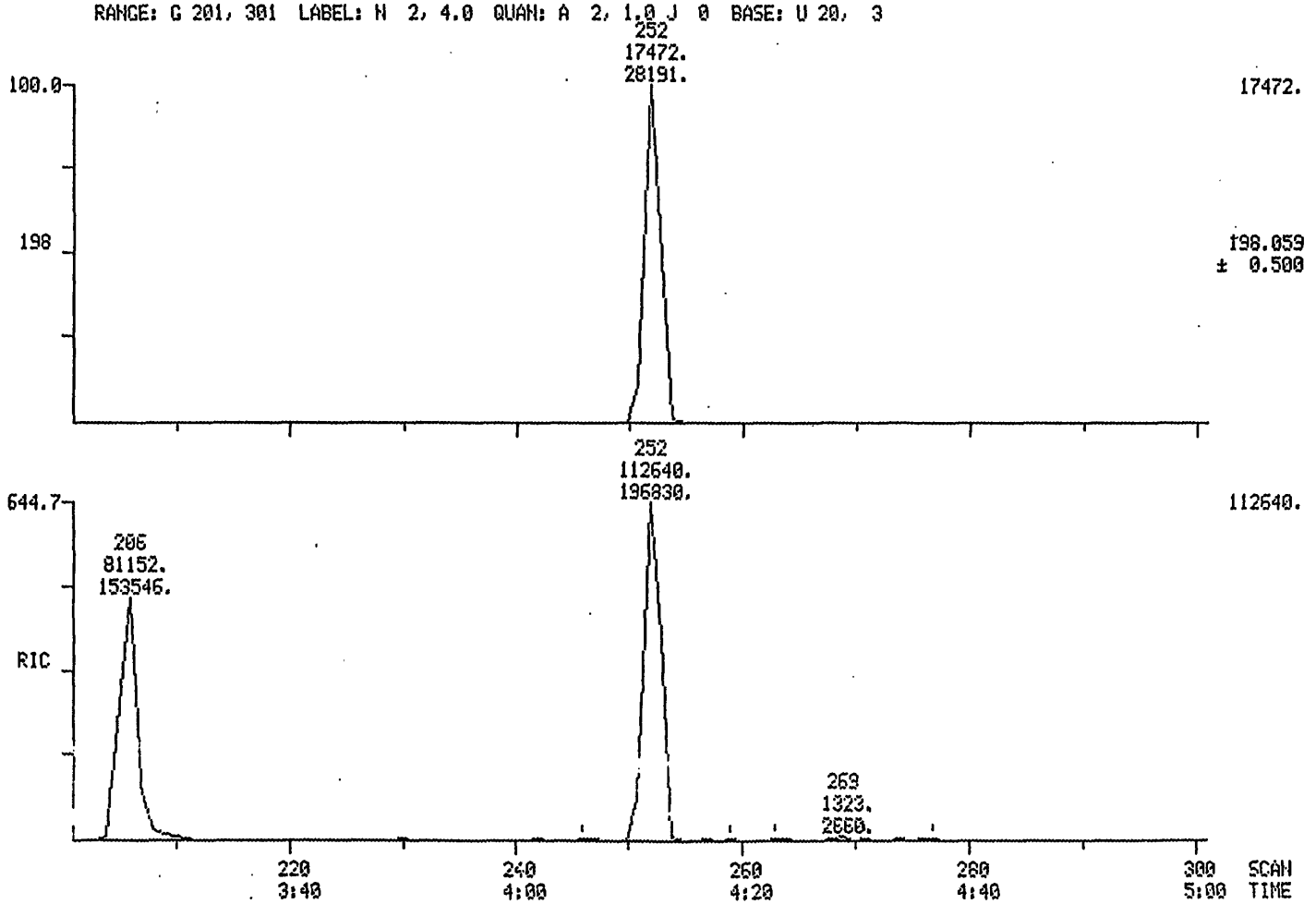
DFTPP MASS LISTING

Mass List Data: FS0317C01 # 252 Base m/z: 198
03/17/93 10:04:00 + 4:12 Cali: FS0317C01 # 3 RIC: 191488.
Sample: DFTPP
Conds.: ---
#251 to #253 summed - #225

38		0.00	0.	Minima	Min Inten:	142.
444				Maxima	# 0	
Mass		% RA	Inten.	Mass	% RA	Inten.
38?		0.51	142.	167	3.24	906.
39?		3.45	965.	168	0.91	254.
50		9.18	2564.	174	0.75	210.
51	S	41.07	11472.	175	1.12	312.
52		2.10	588.	177	0.52	145.
56		1.07	298.	179	2.67	745.
57		3.43	959.	180	1.55	433.
63		1.65	461.	181	0.91	254.
65		0.66	183.	185	0.78	219.
68		0.69	192.	186	10.85	3032.
69		44.22	12352.	187	3.26	910.
74		2.87	802.	192	0.85	238.
75		5.49	1534.	193	0.80	224.
76		2.32	649.	196	2.63	734.
77		45.48	12704.	198	100.00	27936.
78		2.75	769.	199	6.41	1792.
79		1.68	470.	204	2.56	715.
80		1.76	493.	205	4.92	1374.
81		2.72	761.	206	19.39	5416.
82		0.73	205.	207	2.67	745.
83		0.78	218.	211	0.82	229.
91		0.62	173.	217	4.70	1314.
92		0.66	184.	221	6.33	1768.
93		3.30	921.	223	1.03	289.
98		1.96	548.	224	9.89	2764.
99		1.65	462.	225	2.74	765.
101		1.30	363.	227	3.58	1000.
104		0.66	185.	229	1.02	284.
105		0.84	235.	244	7.42	2072.
107		11.18	3124.	245	0.69	194.
108		1.41	393.	246	1.11	310.
110		24.23	6768.	255	37.46	10464.
111		3.24	906.	256	4.95	1384.
117		5.29	1478.	258	1.69	471.
122		0.58	162.	265	0.58	163.
123		0.84	235.	273	1.03	288.
127		49.14	13728.	274	3.05	853.
128		3.24	906.	275	19.16	5352.
129		15.41	4304.	276	2.34	653.
130		1.38	385.	277	1.26	351.
135		0.82	229.	296	3.67	1024.
141		1.66	464.	323	1.26	351.
142		0.67	188.	334	0.54	151.
147		0.93	259.	365	1.69	473.
148		1.35	378.	372	0.59	166.
153		0.54	152.	423	2.92	817.
155		0.77	216.	441	6.10	1704.
156		1.57	439.	442	55.90	15616.
161		0.98	274.	443	9.65	2696.
165		0.52	144.	444	1.12	313.

RIC+MASS CHROMATOGRAM
03/17/93 10:04:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 201, 301 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: FS0317C01 #251 SCANS 201 TO 301
CALI: FS0317C01 #3



011240

011241

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --- CONTRACT LAB: KEYSTONE

CONTRACT NO. --- INSTRUMENT IDENTIFIER: 4510

CALIBRATION DATE: 03/09/93

STANDARD FILE: FS0317C02

DATE: 03/17/93 TIME: 10:49

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.707	1.580	-7.455
C325	BIS(2-CHLOROETHYL)ETHE	1.786	1.433	-19.802
C330	2-CHLOROPHENOL	1.401	1.407	0.422
C335	1,3-DICHLOROBENZENE	1.562	1.550	-0.811
C340	1,4-DICHLOROBENZENE	1.613	1.595	-1.136
C345	BENZYL ALCOHOL	0.873	0.900	3.049
C350	1,2-DICHLOROBENZENE	1.501	1.517	1.077
C355	2-METHYLPHENOL	1.391	1.335	-4.017
C357	2,2'-OXYBIS(1-CHLOROPR	2.392	1.968	-17.711
C365	4-METHYLPHENOL	1.477	1.414	-4.271
C370	N-NITROSODIPROPYLAMINE	1.294	0.982	-24.110
C375	HEXACHLOROETHANE	0.640	0.607	-5.187
C410	NITROBENZENE	0.522	0.379	-27.462
C415	ISOPHORONE	0.825	0.758	-8.167
C420	2-NITROPHENOL	0.204	0.218	6.996
C425	2,4-DIMETHYLPHENOL	0.347	0.328	-5.334
C430	BENZOIC ACID	0.212	0.203	-4.349
C435	BIS(2-CHLOROETHOXY)MET	0.540	0.500	-7.282
C440	2,4-DICHLOROPHENOL	0.289	0.295	2.191
C445	1,2,4-TRICHLOROBENZENE	0.305	0.309	1.290
C450	NAPHTHALENE	1.070	1.092	2.142
C455	4-CHLOROANILINE	0.390	0.454	16.511
C460	HEXACHLOROBUTADIENE	0.155	0.140	-9.549
C465	P-CHLORO-M-CRESOL	0.313	0.290	-7.178
C470	2-METHYLNAPHTHALENE	0.844	0.826	-2.139
C510	HEXACHLOROCYCLOPENTADI	0.330	0.302	-8.408
C515	2,4,6-TRICHLOROPHENOL	0.348	0.343	-1.601
C520	2,4,5-TRICHLOROPHENOL	0.393	0.422	7.581
C525	2-CHLORONAPHTHALENE	1.284	1.325	3.224
C530	2-NITROANILINE	0.423	0.408	-3.580
C535	DIMETHYL PHTHALATE	1.475	1.357	-8.044
C540	ACENAPHTHYLENE	1.942	1.994	2.698
C545	3-NITROANILINE	0.342	0.356	4.012
C550	ACENAPHTHENE	1.115	1.085	-2.669
C555	2,4-DINITROPHENOL	0.179	0.166	-7.410
C560	4-NITROPHENOL	0.150	0.132	-12.020
C565	DIBENZOFURAN	1.679	1.686	0.425
C570	2,4-DINITROTOLUENE	0.414	0.403	-2.605
C543	2,6-DINITROTOLUENE	0.331	0.340	2.944
C580	DIETHYL PHTHALATE	1.588	1.444	-9.051
C585	4-CHLOROPHENYL PHENYL	0.654	0.580	-11.257
C590	FLUORENE	1.319	1.314	-0.346
C595	4-NITROANILINE	0.342	0.305	-10.882
C610	4,6-DINITRO-2-METHYLPH	0.157	0.153	-2.468
C615	N-NITROSODIPHENYLAMINE	0.711	0.652	-8.284
C625	4-BROMOPHENYL PHENYL E	0.201	0.166	-17.507
C630	HEXACHLOROBENZENE	0.174	0.157	-9.694
C635	PENTACHLOROPHENOL	0.115	0.099	-13.557
C640	PHENANTHRENE	1.221	1.157	-5.255
C645	ANTHRACENE	1.243	1.222	-1.662
C650	DI-N-BUTYL PHTHALATE	1.850	1.623	-12.275
C655	FLUORANTHENE	1.076	0.978	-9.149

C715	PYRENE	1.717	2.009	16.974
C720	BUTYL BENZYL PHTHALATE	1.182	1.201	1.630
C725	3,3'-DICHLOROBENZIDINE	0.383	0.388	1.553
C730	BENZO(A)ANTHRACENE	1.356	1.493	10.160
C745	BIS(2-ETHYLHEXYL)PHTHA	1.724	1.743	1.114
C740	CHRYSENE	1.220	1.076	-11.791
C760	DI-N-OCTYL PHTHALATE	3.612	4.044	11.960
C765	BENZO(B)FLUORANTHENE	1.531	1.752	14.464
C770	BENZO(K)FLUORANTHENE	1.419	1.235	-12.966
C775	BENZO(A)PYRENE	1.160	1.220	5.180
C780	INDENO(1,2,3-CD)PYRENE	0.849	0.860	1.185
C785	DIBENZO(A,H)ANTHRACENE	0.819	0.837	2.228
C790	BENZO(GHI)PERYLENE	0.866	0.880	1.615
C310	N-NITROSODIMETHYLAMINE	0.907	0.945	4.210
C620	1,2-DIPHENYL-HYDRAZINE	1.203	1.198	-0.418
CS70	2-CHLOROPHENOL-D4 ** S	1.781	1.829	2.684
CS75	1,2-DICHLOROBENZENE-D4	0.881	0.874	-0.705
C647	CARBAZOLE	1.127	1.093	-3.016
CS50	2-FLUOROPHENOL ** SU1	1.289	1.400	8.559
CS45	PHENOL-D5 ** SU2 **	1.819	1.707	-6.156
CS35	2,4,6-TRIBROMOPHENOL	0.101	0.084	-16.242
CS20	NITROBENZENE-D5 ** SU3	0.378	0.381	0.894
CS25	2-FLUOROBIPHENYL ** SU	1.346	1.429	6.126
CS30	TERPHENYL-D14 ** SU6	1.261	1.434	13.761

BENZENETHIOL
METHYL CHRYSENE
QUINOLINE
C720 1-METHYLNAPHTHALENE
7,12-DIMETHYLBENZ(A)ANTHRACE
DIBENZ(A,H)ACRIDINE
3+4-METHYLPHENOL
INDENE
A950 PYRIDINE
A953 2,6-DICHLOROPHENOL
A987 2,5-DICHLOROPHENOL
A988 3,4-DICHLOROPHENOL
A989 2,3-DICHLOROPHENOL
A990 3,5-DICHLOROPHENOL
A991 1,3,5-TRICHLOROBENZENE
A992 1,2,3-TRICHLOROBENZENE

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CHESTER DC # -----17

011243

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0317C02

CLIENT CHESTER ANALYST JDD

DATE INJECTED 03/17/93 10:49:00 VERFIED BY

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	203	40	20098	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	342	40	69872	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	568	40	34792	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	761	40	49359	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1120	40	25053	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1300	40	18125	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	115	50	35164	0.567	1.400
CS45	PHENOL-D5 ** SU2 **	99	195	50	42891	0.961	1.707
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	677	50	3659	1.192	0.084
CS20	NITROBENZENE-D5 ** SU3 **	82	264	50	33287	0.772	0.381
CS25	2-FLUOROBIPHENYL ** SU4 **	172	490	50	62148	0.863	1.429
CS30	TERPHENYL-D14 ** SU6 **	244	993	50	44918	0.887	1.434
C315	PHENOL	94	196	50	39689	0.966	1.580
C325	BIS(2-CHLOROETHYL)ETHER	93	190	50	35991	0.936	1.433
C330	2-CHLOROPHENOL	128	191	50	35350	0.941	1.407
C335	1,3-DICHLOROBENZENE	146	199	50	38935	0.980	1.550
C340	1,4-DICHLOROBENZENE	146	205	50	40068	1.010	1.595
C345	BENZYL ALCOHOL	108	229	50	22612	1.128	0.900
C350	1,2-DICHLOROBENZENE	146	222	50	38120	1.094	1.517
C355	2-METHYLPHENOL	108	254	50	33549	1.251	1.335
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	245	50	49449	1.207	1.968
C365	4-METHYLPHENOL	108	271	50	35531	1.335	1.414
C370	N-NITROSODIPROPYLAMINE	70	261	50	24666	1.286	0.982
C375	HEXACHLOROETHANE	117	252	50	15247	1.241	0.607
C410	NITROBENZENE	77	266	50	33079	0.778	0.379
C415	ISOPHORONE	82	297	50	66179	0.868	0.758
C420	2-NITROPHENOL	139	303	50	19054	0.886	0.218
C425	2,4-DIMETHYLPHENOL	107	329	50	28668	0.962	0.328
C430	BENZOIC ACID	122	365	50	17694	1.067	0.203
C435	BIS(2-CHLOROETHOXY)METHANE	93	333	50	43709	0.974	0.500
C440	2,4-DICHLOROPHENOL	162	338	50	25790	0.988	0.295
C445	1,2,4-TRICHLOROBENZENE	180	340	50	27009	0.994	0.309
C450	NAPHTHALENE	128	344	50	95414	1.006	1.092
C455	4-CHLOROANILINE	127	364	50	39654	1.064	0.454
C460	HEXACHLOROBUTADIENE	225	374	50	12249	1.094	0.140
C465	P-CHLORO-M-CRESOL	107	446	50	25342	1.304	0.290
C470	2-METHYLNAPHTHALENE	142	432	50	72165	1.263	0.826
C510	HEXACHLOROCYCLOPENTADIENE	237	465	50	13149	0.819	0.302
C515	2,4,6-TRICHLOROPHENOL	196	483	50	14913	0.850	0.343
C520	2,4,5-TRICHLOROPHENOL	196	490	50	18371	0.863	0.422
C525	2-CHLORONAPHTHALENE	162	493	50	57636	0.868	1.325
C530	2-NITROANILINE	65	522	50	17741	0.919	0.408
C535	DIMETHYL PHTHALATE	163	559	50	59005	0.984	1.357
C540	ACENAPHTHYLENE	152	546	50	86727	0.961	1.994
C545	3-NITROANILINE	138	579	50	15475	1.019	0.356
C550	ACENAPHTHENE	153	572	50	47182	1.007	1.085

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SV STANDARD REPORT PAGE 2

DATAFILE FS0317C02

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	592	50	7203	1.042	0.166
C560	4-NITROPHENOL	109	630	50	5732	1.109	0.132
C565	DIBENZOFURAN	168	595	50	73345	1.048	1.686
C570	2,4-DINITROTOLUENE	165	613	50	17521	1.079	0.403
C543	2,6-DINITROTOLUENE	165	563	50	14808	0.991	0.340
C580	DIETHYL PHTHALATE	149	658	50	62798	1.158	1.444
C585	4-CHLOROPHENYL PHENYL ETHER	204	651	50	25235	1.146	0.580
C590	FLUORENE	166	640	50	57160	1.127	1.314
C595	4-NITROANILINE	138	662	50	13265	1.165	0.305
C610	4,6-DINITRO-2-METHYLPHENOL	198	666	50	9439	0.875	0.153
C615	N-NITROSODIPHENYLAMINE	169	671	50	40214	0.882	0.652
C625	4-BROMOPHENYL PHENYL ETHER	248	713	50	10218	0.937	0.166
C630	HEXACHLOROBENZENE	284	723	50	9685	0.950	0.157
C635	PENTACHLOROPHENOL	266	756	50	6117	0.993	0.099
C640	PHENANTHRENE	178	764	50	71392	1.004	1.157
C645	ANTHRACENE	178	770	50	75400	1.012	1.222
C650	DI-N-BUTYL PHTHALATE	149	881	50	100114	1.158	1.623
C655	FLUORANTHENE	202	924	50	60321	1.214	0.978
C715	PYRENE	202	951	50	62905	0.849	2.009
C720	BUTYL BENZYL PHTHALATE	149	1079	50	37619	0.963	1.201
C725	3,3'-DICHLOROBENZIDINE	252	1132	50	12166	1.011	0.388
C730	BENZO(A)ANTHRACENE	228	1119	50	46768	0.999	1.493
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1173	50	54580	1.047	1.743
C740	CHRYSENE	228	1124	50	33697	1.004	1.076
C760	DI-N-OCTYL PHTHALATE	149	1254	50	91614	0.965	4.044
C765	BENZO(B)FLUORANTHENE	252	1257	50	39698	0.967	1.752
C770	BENZO(K)FLUORANTHENE	252	1260	50	27984	0.969	1.235
C775	BENZO(A)PYRENE	252	1293	50	27649	0.995	1.220
C780	INDENO(1,2,3-CD)PYRENE	276	1415	50	19474	1.088	0.860
C785	DIBENZO(A,H)ANTHRACENE	278	1421	50	18965	1.093	0.837
C790	BENZO(GHI)PERYLENE	276	1439	50	19941	1.107	0.880
C620	1,2-DIPHENYL-HYDRAZINE						

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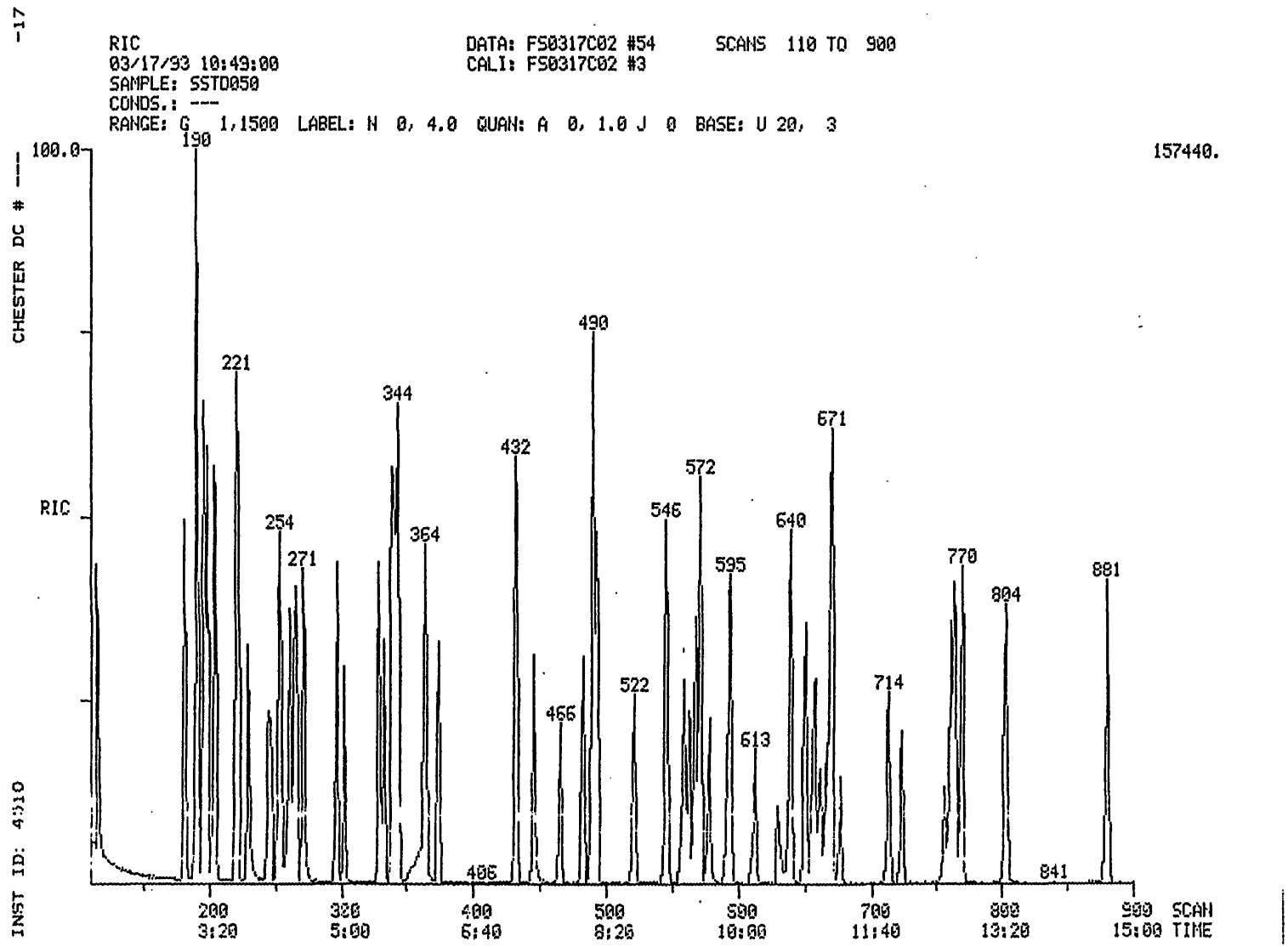
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CALI: FS0317C02 #3
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157440.
CHESTER DC # ---
INST ID: 4510
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TIME

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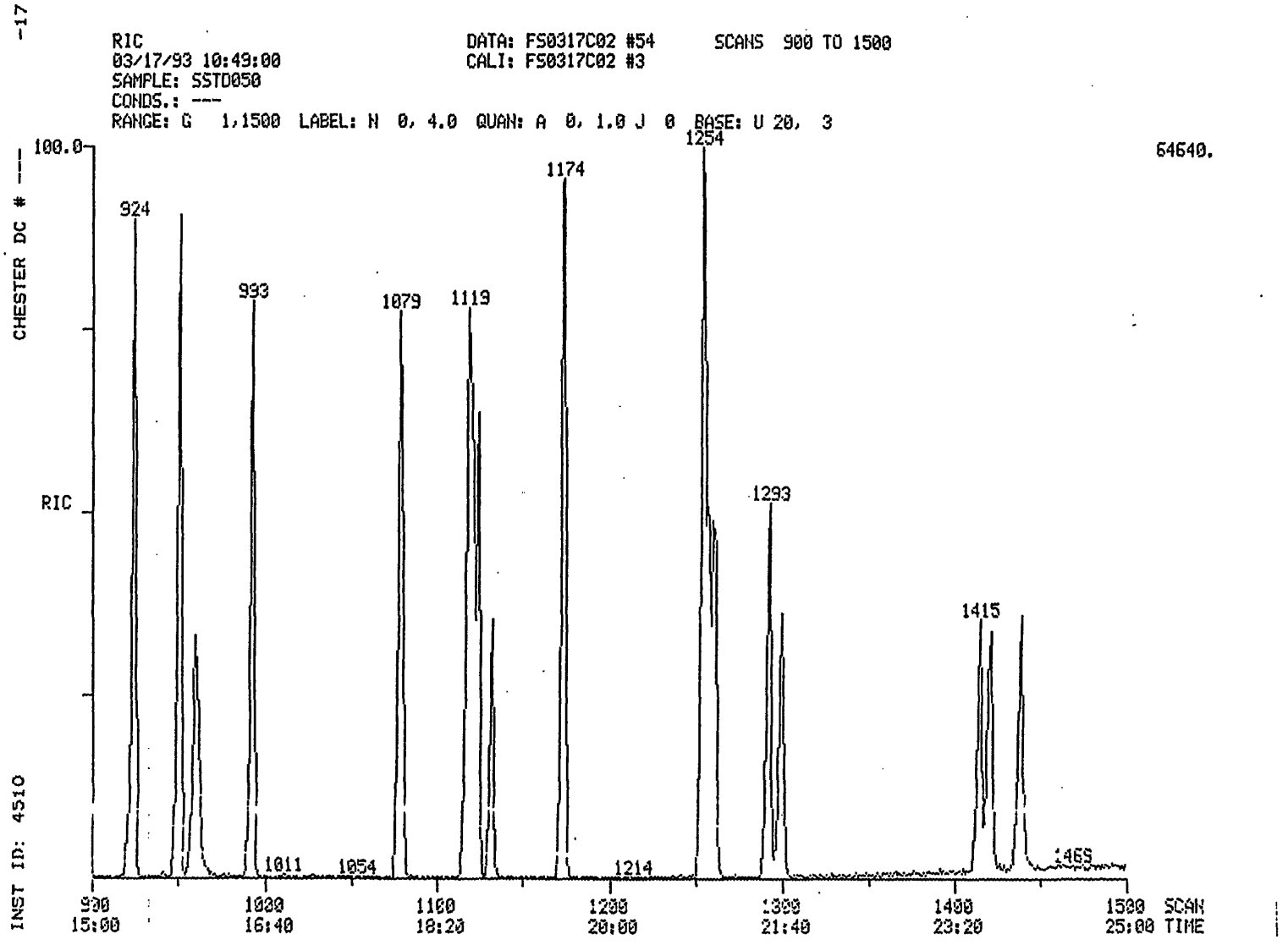
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DATA: FS0317C02 #54
CALI: FS0317C02 #3
SCANS 900 TO 1500
CHESTER DC # ---
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SCAN
TIME

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Quantitation Report File: FS0317C02

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Conds.: ---
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Submitted by: CHESTER Analyst: JDD Acct. No.: ---

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **	
2	CI40	NAPHTHALENE-D8 ** IS2 **	
3	CI50	ACENAPHTHENE-D10 ** IS3 **	
4	CI60	PHENANTHRENE-D10 ** IS4 **	
5	CI70	CHRYSENE-D12 ** IS5 **	
6	CI75	PERYLENE-D12 ** IS6 **	
7	CS50	2-FLUOROPHENOL ** SU1 **	
8	CS45	PHENOL-D5 ** SU2 **	
9	CS55	2,4,6-TRIBROMOPHENOL ** SU5 **	
10	CS20	NITROBENZENE-D5 ** SU3 **	
11	CS25	2-FLUOROBIPHENYL ** SU4 **	
12	CS30	TERPHENYL-D14 ** SU6 **	
13	C315	PHENOL	10A
14	C325	BIS(2-CHLOROETHYL)ETHER	11B
15	C330	2-CHLOROPHENOL	1A
16	C335	1,3-DICHLOROBENZENE	21B
17	C340	1,4-DICHLOROBENZENE	22B
18	C345	BENZYL ALCOHOL	
19	C350	1,2-DICHLOROBENZENE	20B
20	C355	2-METHYLPHENOL	
21	C357	2,2'-OXYBIS(1-CHLOROPROPANE)	
22	C365	4-METHYLPHENOL	
23	C370	N-NITROSODIPROPYLAMINE	42B
24	C375	HEXACHLOROETHANE	36B
25	C410	NITROBENZENE	40B
26	C415	ISOPHORONE	38B
27	C420	2-NITROPHENOL	6A
28	C425	2,4-DIMETHYLPHENOL	3A
29	C430	BENZOIC ACID	
30	C435	BIS(2-CHLOROETHOXY)METHANE	10B
31	C440	2,4-DICHLOROPHENOL	2A
32	C445	1,2,4-TRICHLOROBENZENE	46B
33	C450	NAPHTHALENE	39B
34	C455	4-CHLOROANILINE	
35	C460	HEXACHLOROBUTADIENE	34B
36	C465	P-CHLORO-M-CRESOL	8A
37	C470	2-METHYLNAPHTHALENE	
38	C510	HEXACHLOROCYCLOPENTADIENE	35B
39	C515	2,4,6-TRICHLOROPHENOL	11A
40	C520	2,4,5-TRICHLOROPHENOL	
41	C525	2-CHLORONAPHTHALENE	16B
42	C530	2-NITROANILINE	
43	C535	DIMETHYL PHTHALATE	25B
44	C540	ACENAPHTHYLENE	2B
45	C545	3-NITROANILINE	
46	C550	ACENAPHTHENE	1B
47	C555	2,4-DINITROPHENOL	5A

No	Name		
48	C560	4-NITROPHENOL	7A
49	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	203	3:23	1	1.000	A BB	20098.	40.000 UG/L	0.98
2	136	342	5:42	2	1.000	A BB	69872.	40.000 UG/L	0.98
3	164	568	9:28	3	1.000	A VB	34792.	40.000 UG/L	0.98
4	188	761	12:41	4	1.000	A BB	49359.	40.000 UG/L	0.98
5	240	1120	18:40	5	1.000	A BB	25053.	40.000 UG/L	0.98
6	264	1300	21:40	6	1.000	A BB	18125.	40.000 UG/L	0.98
7	112	115	1:55	1	0.567	A BB	35164.	50.000 UG/L	1.22
8	99	195	3:15	1	0.961	A BB	42891.	50.000 UG/L	1.22
9	330	677	11:17	3	1.192	A BB	3659.	50.000 UG/L	1.22
10	82	264	4:24	2	0.772	A BV	33287.	50.000 UG/L	1.22
11	172	490	8:10	3	0.863	A BB	62148.	50.000 UG/L	1.22
12	244	993	16:33	5	0.887	A BB	44918.	50.000 UG/L	1.22
13	94	196	3:16	1	0.966	A BB	39689.	50.000 UG/L	1.22
14	93	190	3:10	1	0.936	M XX	35991.	50.000 UG/L	1.22
15	128	191	3:11	1	0.941	A BB	35350.	50.000 UG/L	1.22
16	146	199	3:19	1	0.980	A BV	38935.	50.000 UG/L	1.22
17	146	205	3:25	1	1.010	A VB	40068.	50.000 UG/L	1.22
18	108	229	3:49	1	1.128	A BB	22612.	50.000 UG/L	1.22
19	146	222	3:42	1	1.094	A BB	38120.	50.000 UG/L	1.22
20	108	254	4:14	1	1.251	A BB	33549.	50.000 UG/L	1.22
21	45	245	4:05	1	1.207	A BB	49449.	50.000 UG/L	1.22
22	108	271	4:31	1	1.335	A BB	35531.	50.000 UG/L	1.22
23	70	261	4:21	1	1.286	M XX	24666.	50.000 UG/L	1.22
24	117	252	4:12	1	1.241	A BB	15247.	50.000 UG/L	1.22
25	77	266	4:26	2	0.778	A BV	33079.	50.000 UG/L	1.22
26	82	297	4:57	2	0.868	A BB	66179.	50.000 UG/L	1.22
27	139	303	5:03	2	0.886	A BB	19054.	50.000 UG/L	1.22
28	107	329	5:29	2	0.962	A BB	28668.	50.000 UG/L	1.22
29	122	365	6:05	2	1.067	A BB	17694.	50.000 UG/L	1.22
30	93	333	5:33	2	0.974	A BB	43709.	50.000 UG/L	1.22
31	162	338	5:38	2	0.988	A BB	25790.	50.000 UG/L	1.22
32	180	340	5:40	2	0.994	A BB	27009.	50.000 UG/L	1.22
33	128	344	5:44	2	1.006	A BB	95414.	50.000 UG/L	1.22
34	127	364	6:04	2	1.064	A BB	39654.	50.000 UG/L	1.22
35	225	374	6:14	2	1.094	A BB	12249.	50.000 UG/L	1.22
36	107	446	7:26	2	1.304	A BV	25342.	50.000 UG/L	1.22
37	142	432	7:12	2	1.263	A BB	72165.	50.000 UG/L	1.22
38	237	465	7:45	3	0.819	A BB	13149.	50.000 UG/L	1.22
39	196	483	8:03	3	0.850	A BB	14913.	50.000 UG/L	1.22
40	196	490	8:10	3	0.863	A BB	18371.	50.000 UG/L	1.22
41	162	493	8:13	3	0.868	A BB	57636.	50.000 UG/L	1.22
42	65	522	8:42	3	0.919	A BB	17741.	50.000 UG/L	1.22
43	163	559	9:19	3	0.984	A BV	59005.	50.000 UG/L	1.22
44	152	546	9:06	3	0.961	A BB	86727.	50.000 UG/L	1.22
45	138	579	9:39	3	1.019	A BB	15475.	50.000 UG/L	1.22
46	153	572	9:32	3	1.007	A BB	47182.	50.000 UG/L	1.22
47	184	592	9:52	3	1.042	A BB	7203.	50.000 UG/L	1.22
48	109	630	10:30	3	1.109	A BB	5732.	50.000 UG/L	1.22
49	168	595	9:55	3	1.048	A BB	73345.	50.000 UG/L	1.22
50	165	613	10:13	3	1.079	A BB	17521.	50.000 UG/L	1.22

011248

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	3:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	5:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	9:28	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	12:41	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	18:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	21:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	1:55	1.00	0.567	1.00	50.00	50.00	1.400	1.400	1.00
8	3:15	1.00	0.961	1.00	50.00	50.00	1.707	1.707	1.00
9	11:17	1.00	1.192	1.00	50.00	50.00	0.084	0.084	1.00
10	4:24	1.00	0.772	1.00	50.00	50.00	0.381	0.381	1.00
11	8:10	1.00	0.863	1.00	50.00	50.00	1.429	1.429	1.00
12	16:33	1.00	0.887	1.00	50.00	50.00	1.434	1.434	1.00
13	3:16	1.00	0.966	1.00	50.00	50.00	1.580	1.580	1.00
14	3:10	1.00	0.936	1.00	50.00	50.00	1.433	1.433	1.00
15	3:11	1.00	0.941	1.00	50.00	50.00	1.407	1.407	1.00
16	3:19	1.00	0.980	1.00	50.00	50.00	1.550	1.550	1.00
17	3:25	1.00	1.010	1.00	50.00	50.00	1.595	1.595	1.00
18	3:49	1.00	1.128	1.00	50.00	50.00	0.900	0.900	1.00
19	3:42	1.00	1.094	1.00	50.00	50.00	1.517	1.517	1.00
20	4:14	1.00	1.251	1.00	50.00	50.00	1.335	1.335	1.00
21	4:05	1.00	1.207	1.00	50.00	50.00	1.968	1.968	1.00
22	4:31	1.00	1.335	1.00	50.00	50.00	1.414	1.414	1.00
23	4:21	1.00	1.286	1.00	50.00	50.00	0.982	0.982	1.00
24	4:12	1.00	1.241	1.00	50.00	50.00	0.607	0.607	1.00
25	4:26	1.00	0.778	1.00	50.00	50.00	0.379	0.379	1.00
26	4:57	1.00	0.868	1.00	50.00	50.00	0.758	0.758	1.00
27	5:03	1.00	0.886	1.00	50.00	50.00	0.218	0.218	1.00
28	5:29	1.00	0.962	1.00	50.00	50.00	0.328	0.328	1.00
29	6:05	1.00	1.067	1.00	50.00	50.00	0.203	0.203	1.00
30	5:33	1.00	0.974	1.00	50.00	50.00	0.500	0.500	1.00
31	5:38	1.00	0.988	1.00	50.00	50.00	0.295	0.295	1.00
32	5:40	1.00	0.994	1.00	50.00	50.00	0.309	0.309	1.00
33	5:44	1.00	1.006	1.00	50.00	50.00	1.092	1.092	1.00
34	6:04	1.00	1.064	1.00	50.00	50.00	0.454	0.454	1.00
35	6:14	1.00	1.094	1.00	50.00	50.00	0.140	0.140	1.00
36	7:26	1.00	1.304	1.00	50.00	50.00	0.290	0.290	1.00
37	7:12	1.00	1.263	1.00	50.00	50.00	0.826	0.826	1.00
38	7:45	1.00	0.819	1.00	50.00	50.00	0.302	0.302	1.00
39	8:03	1.00	0.850	1.00	50.00	50.00	0.343	0.343	1.00
40	8:10	1.00	0.863	1.00	50.00	50.00	0.422	0.422	1.00
41	8:13	1.00	0.868	1.00	50.00	50.00	1.325	1.325	1.00
42	8:42	1.00	0.919	1.00	50.00	50.00	0.408	0.408	1.00
43	9:19	1.00	0.984	1.00	50.00	50.00	1.357	1.357	1.00
44	9:06	1.00	0.961	1.00	50.00	50.00	1.994	1.994	1.00
45	9:39	1.00	1.019	1.00	50.00	50.00	0.356	0.356	1.00
46	9:32	1.00	1.007	1.00	50.00	50.00	1.085	1.085	1.00
47	9:52	1.00	1.042	1.00	50.00	50.00	0.166	0.166	1.00
48	10:30	1.00	1.109	1.00	50.00	50.00	0.132	0.132	1.00
49	9:55	1.00	1.048	1.00	50.00	50.00	1.686	1.686	1.00
50	10:13	1.00	1.079	1.00	50.00	50.00	0.403	0.403	1.00

011249

Quantitation Report File: FS0317C02

011250

Data: FS0317C02.TI
03/17/93 10:49:00
Sample: SSTD050
Conds.: ---
Formula: 03/09/93 Instrument: 4510 Weight: 1.000
Submitted by: CHESTER Analyst: JDD Acct. No.: ---

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
51	C543	2,6-DINITROTOLUENE	28B
52	C580	DIETHYL PHTHALATE	24B
53	C585	4-CHLOROPHENYL PHENYL ETHER	17B
54	C590	FLUORENE	32B
55	C595	4-NITROANILINE	
56	C610	4,6-DINITRO-2-METHYLPHENOL	4A
57	C615	N-NITROSODIPHENYLAMINE	43B
58	C625	4-BROMOPHENYL PHENYL ETHER	14B
59	C630	HEXACHLOROBENZENE	33B
60	C635	PENTACHLOROPHENOL	9A
61	C640	PHENANTHRENE	44B
62	C645	ANTHRACENE	3B
63	C650	DI-N-BUTYL PHTHALATE	26B
64	C655	FLUORANTHENE	31B
65	C715	PYRENE	45B
66	C720	BUTYL BENZYL PHTHALATE	15B
67	C725	3,3'-DICHLOROBENZIDINE	23B
68	C730	BENZO(A)ANTHRACENE	5B
69	C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B
70	C740	CHRYSENE	18B
71	C760	DI-N-OCTYL PHTHALATE	29B
72	C765	BENZO(B)FLUORANTHENE	7B
73	C770	BENZO(K)FLUORANTHENE	9B
74	C775	BENZO(A)PYRENE	6B
75	C780	INDENO(1,2,3-CD)PYRENE	37B
76	C785	DIBENZO(A,H)ANTHRACENE	19B
77	C790	BENZO(GHI)PERYLENE	8B
78	C310	N-NITROSODIMETHYLAMINE	41B
79	C710	BENZIDINE	4B
80	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
81	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
82	C647	CARBAZOLE	
83	A950	PYRIDINE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	563	9:23	3	0.991	A BV	14808.	50.000 UG/L	1.22
52	149	658	10:58	3	1.158	A BB	62798.	50.000 UG/L	1.22
53	204	651	10:51	3	1.146	A BB	25235.	50.000 UG/L	1.22
54	166	640	10:40	3	1.127	A BB	57160.	50.000 UG/L	1.22
55	138	662	11:02	3	1.165	A BV	13265.	50.000 UG/L	1.22
56	198	666	11:06	4	0.875	A BB	9439.	50.000 UG/L	1.22
57	169	671	11:11	4	0.882	A BV	40214.	50.000 UG/L	1.22
58	248	713	11:53	4	0.937	A BB	10218.	50.000 UG/L	1.22
59	284	723	12:03	4	0.950	A BB	9685.	50.000 UG/L	1.22
60	266	756	12:36	4	0.993	A BB	6117.	50.000 UG/L	1.22

000201

011250

011251

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
61	178	764	12:44	4	1.004	A BV	71392.	50.000 UG/L	1.22
62	178	770	12:50	4	1.012	A VB	75400.	50.000 UG/L	1.22
63	149	881	14:41	4	1.158	A VB	100114.	50.000 UG/L	1.22
64	202	924	15:24	4	1.214	A BB	60321.	50.000 UG/L	1.22
65	202	951	15:51	5	0.849	A VB	62905.	50.000 UG/L	1.22
66	149	1079	17:59	5	0.963	A BB	37619.	50.000 UG/L	1.22
67	202	1132	18:52	5	1.011	A BB	12166.	50.000 UG/L	1.22
68	228	1119	18:39	5	0.999	A BV	46768.	50.000 UG/L	1.22
69	149	1173	19:33	5	1.047	A BB	54580.	50.000 UG/L	1.22
70	228	1124	18:44	5	1.004	A VB	33697.	50.000 UG/L	1.22
71	149	1254	20:54	6	0.965	A BB	91614.	50.000 UG/L	1.22
72	252	1257	20:57	6	0.967	M XX	39698.	50.000 UG/L	1.22
73	252	1260	21:00	6	0.969	M XX	27984.	50.000 UG/L	1.22
74	252	1293	21:33	6	0.995	A BB	27649.	50.000 UG/L	1.22
75	276	1415	23:35	6	1.088	A BV	19474.	50.000 UG/L	1.22
76	278	1421	23:41	6	1.093	A BB	18965.	50.000 UG/L	1.22
77	276	1439	23:59	6	1.107	A BB	19941.	50.000 UG/L	1.22
78	74	52	0:52	1	0.256	A VB	23746.	50.000 UG/L	1.22
79	184	960	16:00	5	0.857	A BB	36663.	50.000 UG/L	1.22
80	132	190	3:10	1	0.936	A BB	45947.	50.000 UG/L	1.22
81	132	220	3:40	1	1.084	M XX	21969.	50.000 UG/L	1.22
82	167	804	13:24	4	1.057	M XX	67429.	50.000 UG/L	1.22
83	79	52	0:52	1	0.256	M XX	53960.	55.996 UG/L	1.37

No	Rt(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:23	1.00	0.991	1.00	50.00	50.00	0.340	0.340	1.00
52	10:58	1.00	1.158	1.00	50.00	50.00	1.444	1.444	1.00
53	10:51	1.00	1.146	1.00	50.00	50.00	0.580	0.580	1.00
54	10:40	1.00	1.127	1.00	50.00	50.00	1.314	1.314	1.00
55	11:02	1.00	1.165	1.00	50.00	50.00	0.305	0.305	1.00
56	11:06	1.00	0.875	1.00	50.00	50.00	0.153	0.153	1.00
57	11:11	1.00	0.882	1.00	50.00	50.00	0.652	0.652	1.00
58	11:53	1.00	0.937	1.00	50.00	50.00	0.166	0.166	1.00
59	12:03	1.00	0.950	1.00	50.00	50.00	0.157	0.157	1.00
60	12:36	1.00	0.993	1.00	50.00	50.00	0.099	0.099	1.00
61	12:44	1.00	1.004	1.00	50.00	50.00	1.157	1.157	1.00
62	12:50	1.00	1.012	1.00	50.00	50.00	1.222	1.222	1.00
63	14:41	1.00	1.158	1.00	50.00	50.00	1.623	1.623	1.00
64	15:24	1.00	1.214	1.00	50.00	50.00	0.978	0.978	1.00
65	15:51	1.00	0.849	1.00	50.00	50.00	2.009	2.009	1.00
66	17:59	1.00	0.963	1.00	50.00	50.00	1.201	1.201	1.00
67	18:52	1.00	1.011	1.00	50.00	50.00	0.388	0.388	1.00
68	18:39	1.00	0.999	1.00	50.00	50.00	1.493	1.493	1.00
69	19:33	1.00	1.047	1.00	50.00	50.00	1.743	1.743	1.00
70	18:44	1.00	1.004	1.00	50.00	50.00	1.076	1.076	1.00
71	20:54	1.00	0.965	1.00	50.00	50.00	4.044	4.044	1.00
72	20:57	1.00	0.967	1.00	50.00	50.00	1.752	1.752	1.00
73	21:00	1.00	0.969	1.00	50.00	50.00	1.235	1.235	1.00
74	21:33	1.00	0.995	1.00	50.00	50.00	1.220	1.220	1.00
75	23:35	1.00	1.088	1.00	50.00	50.00	0.860	0.860	1.00
76	23:41	1.00	1.093	1.00	50.00	50.00	0.837	0.837	1.00
77	23:59	1.00	1.107	1.00	50.00	50.00	0.880	0.880	1.00
78	0:52	1.00	0.256	1.00	50.00	50.00	0.945	0.945	1.00
79	16:00	1.00	0.857	1.00	50.00	50.00	1.171	1.171	1.00
80	3:10	1.00	0.936	1.00	50.00	50.00	1.829	1.829	1.00
81	3:40	1.00	1.084	1.00	50.00	50.00	0.874	0.874	1.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
82	13:24	1.00	1.057	1.00	50.00	50.00	1.093	1.093	1.00
83	0:54	0.96	0.256	1.00	56.00	50.00	2.148	1.918	1.12

011252

000203

011253

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	03/16/93	Sens Time:	8:40:00
Lab ID:	ES0316C01C	Cali Date:	03/11/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 378	
51	30 to 60% of mass 198	56.22	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	60.64	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	54.34	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.55	
275	10 TO 30% of mass 198	20.41	
365	greater than 1% of mass 198	2.17	
441	less than mass 443	6.24	
442	greater than 40% of mass 198	56.44	
443	17 TO 23% of mass 442	11.78	(20.87% 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

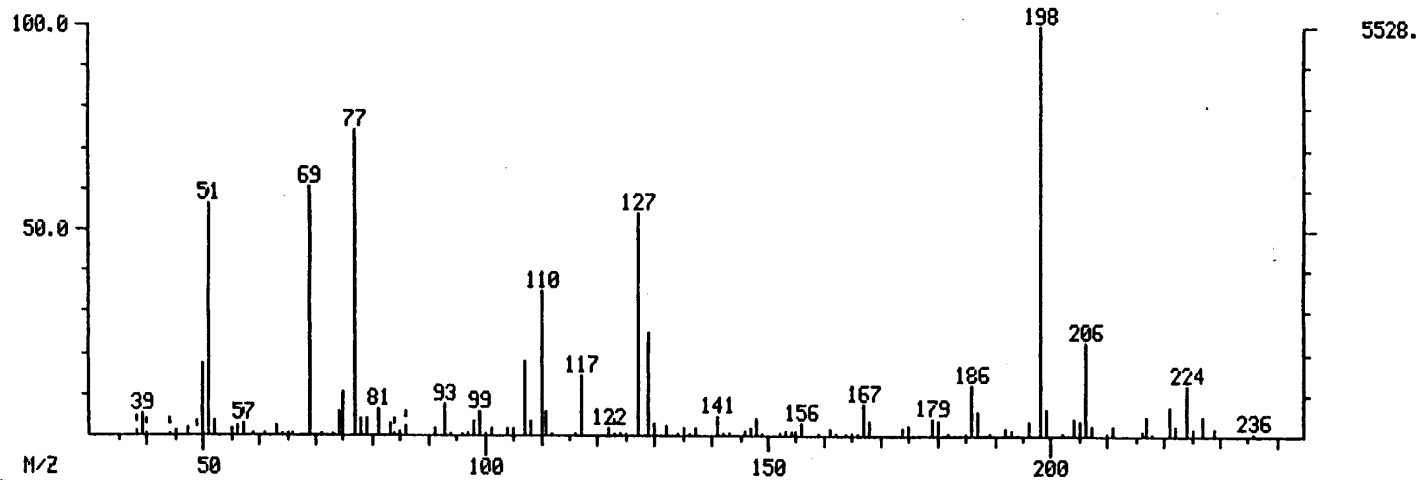
000204

CHESTER LABNET DC # ---15

MASS SPECTRUM
03/16/93 8:40:00 + 6:19
SAMPLE: DFTPP
CONDS.: ---
#378 TO #380 SUMMED - #362

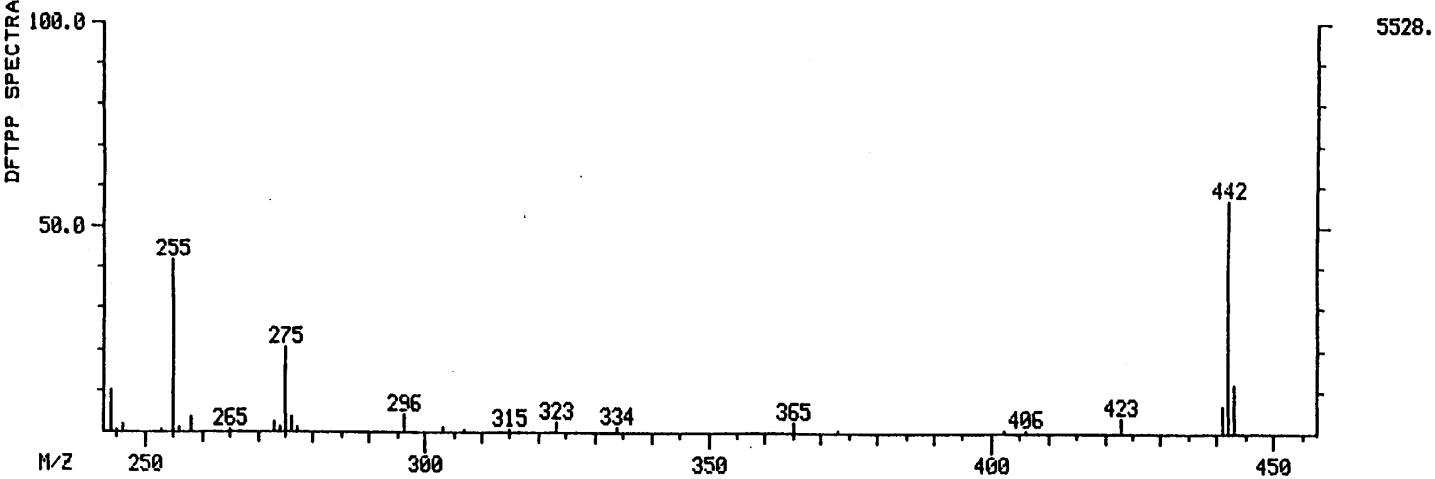
DATA: ES0316C01C #379
CALI: ES0316C01C #3

BASE M/Z: 198
RIC: 50240.



DFTPP SPECTRA

INST ID: 4530



011254

011254

011255

INST ID: 4530 CHESTER LABNET DC # ---15

DFTPP MASS LISTING

Mass List Data: ES0316C01C # 379 Base m/z: 198

03/16/93 8:40:00 + 6:19 Cali: ES0316C01C # 3 RIC: 50240.

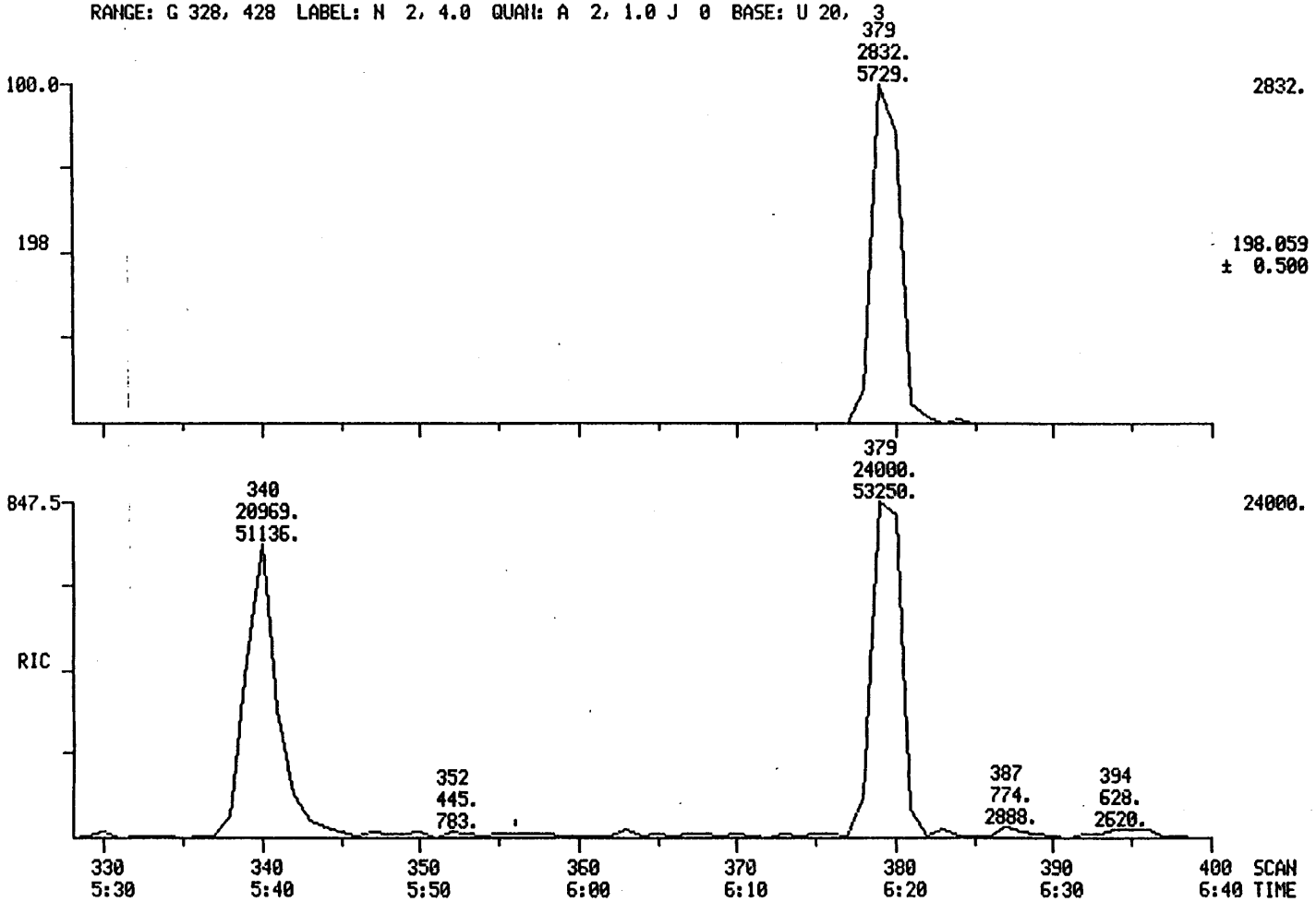
Sample: DFTPP

Conds.: ---

#378 to #380 summed - #362

38		0.00	0.	Minima	Min Inten:		45.
443				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
38.00?	S	0.89	49.	155.00		0.98	54.
39.00?		5.45	301.	156.00		2.66	147.
45.00		1.23	68.	161.00		1.68	93.
47.00		1.56	86.	165.00		0.85	47.
50.00		17.49	967.	167.00		7.81	432.
51.00	S	56.22	3108.	168.00		3.36	186.
52.00		3.60	199.	174.00		1.72	95.
55.00		1.72	95.	175.00		2.23	123.
56.00		2.04	113.	179.00		3.87	214.
57.00	S	2.79	154.	180.00		3.64	201.
63.00		2.04	113.	186.00		12.17	673.
64.00		0.83	46.	187.00		5.59	309.
69.00		60.64	3352.	192.00		1.74	96.
74.00		5.55	307.	193.00		0.98	54.
75.00		10.55	583.	196.00		3.76	208.
77.00		74.24	4104.	198.00		100.00	5528.
78.00		4.31	238.	199.00		6.55	362.
79.00		4.07	225.	204.00		4.25	235.
81.00		6.40	354.	205.00		3.67	203.
83.00		2.84	157.	206.00		22.87	1264.
85.00		1.05	58.	207.00		2.21	122.
86.00	S	2.39	132.	210.00		0.87	48.
91.00		1.66	92.	211.00		2.13	118.
93.00		7.53	416.	216.00		1.25	69.
98.00		3.29	182.	217.00		4.83	267.
99.00		5.66	313.	221.00		6.95	384.
100.00		0.81	45.	222.00		2.48	137.
101.00		1.86	103.	224.00		11.92	659.
104.00		1.77	98.	225.00		1.99	110.
105.00		1.57	87.	227.00		4.70	260.
107.00		17.84	986.	229.00		1.83	101.
108.00		3.47	192.	244.00		9.99	552.
110.00		34.99	1934.	246.00		1.75	97.
111.00		5.63	311.	255.00		41.90	2316.
117.00		14.36	794.	256.00		1.32	73.
122.00		1.68	93.	258.00		3.35	185.
123.00	S	0.81	45.	273.00		2.32	128.
127.00		54.34	3004.	274.00		1.23	68.
129.00		24.86	1374.	275.00		20.41	1128.
130.00		2.66	147.	276.00		3.51	194.
132.00		2.15	119.	277.00		1.09	60.
135.00		1.70	94.	296.00		3.84	212.
136.00		0.83	46.	303.00		1.23	68.
137.00		1.83	101.	323.00		2.06	114.
141.00		4.76	263.	334.00		0.92	51.
146.00		1.30	72.	365.00		2.17	120.
147.00		1.95	108.	423.00		3.62	200.
148.00		4.21	233.	441.00		6.24	345.
153.00		1.25	69.	442.00		56.44	3120.
154.00		1.27	70.	443.00		11.78	651.

RIC+MASS CHROMATOGRAM DATA: ES0316C01C #378 SCANS 328 TO 400
03/16/93 8:40:00 CALI: ES0316C01C #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 328, 428 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



002007

011256

011256

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --
CONTRACT LAB: CHESTER LABNET
CONTRACT NO. --
INSTRUMENT IDENTIFIER: 4530
CALIBRATION DATE: 03/11/93
STANDARD FILE: ES0316C02
DATE: 03/16/93 TIME: 8:57
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.788	1.854	3.718
C325	BIS(2-CHLOROETHYL)ETHE	1.751	1.683	-3.857
C330	2-CHLOROPHENOL	1.415	1.398	-1.221
C335	1,3-DICHLOROBENZENE	1.516	1.543	1.755
C340	1,4-DICHLOROBENZENE	1.633	1.570	-3.803
C345	BENZYL ALCOHOL	0.861	0.815	-5.377
C350	1,2-DICHLOROBENZENE	1.521	1.448	-4.784
C355	2-METHYLPHENOL	1.320	1.322	0.142
C357	2,2'-OXYBIS(1-CHLOROPR	1.642	1.721	4.817
C365	4-METHYLPHENOL	1.341	1.310	-2.319
C370	N-NITROSODIPROPYLAMINE	0.955	0.906	-5.201
C375	HEXACHLOROETHANE	0.555	0.602	8.420
C410	NITROBENZENE	0.410	0.436	6.305
C415	ISOPHORONE	0.813	0.819	0.783
C420	2-NITROPHENOL	0.182	0.205	12.696
C425	2,4-DIMETHYLPHENOL	0.336	0.336	0.065
C430	BENZOIC ACID	0.167	0.195	16.715
C435	BIS(2-CHLOROETHOXY)MET	0.510	0.479	-6.043
C440	2,4-DICHLOROPHENOL	0.275	0.267	-2.895
C445	1,2,4-TRICHLOROBENZENE	0.300	0.291	-2.985
C450	NAPHTHALENE	1.072	1.039	-3.121
C455	4-CHLOROANILINE	0.315	0.412	30.925
C460	HEXACHLOROBUTADIENE	0.150	0.128	-14.389
C465	P-CHLORO-M-CRESOL	0.294	0.295	0.122
C470	2-METHYLNAPHTHALENE	0.782	0.737	-5.714
C510	HEXACHLOROCYCLOPENTADI	0.272	0.314	15.450
C515	2,4,6-TRICHLOROPHENOL	0.368	0.339	-8.009
C520	2,4,5-TRICHLOROPHENOL	0.421	0.434	3.062
C525	2-CHLORONAPHTHALENE	1.326	1.257	-5.225
C530	2-NITROANILINE	0.385	0.399	3.677
C535	DIMETHYL PHTHALATE	1.532	1.285	-16.117
C540	ACENAPHTHYLENE	2.072	1.992	-3.895
C545	3-NITROANILINE	0.248	0.375	50.762
C550	ACENAPHTHENE	1.106	1.075	-2.777
C555	2,4-DINITROPHENOL	0.124	0.195	57.448
C560	4-NITROPHENOL	0.143	0.136	-5.164
C565	DIBENZOFURAN	1.739	1.607	-7.567
C570	2,4-DINITROTOLUENE	0.377	0.408	8.148
C543	2,6-DINITROTOLUENE	0.320	0.346	8.115
C580	DIETHYL PHTHALATE	1.508	1.217	-19.303
C585	4-CHLOROPHENYL PHENYL	0.656	0.559	-14.699
C590	FLUORENE	1.288	1.160	-9.929
C595	4-NITROANILINE	0.199	0.241	21.349
C610	4,6-DINITRO-2-METHYLPH	0.117	0.195	66.325
C615	N-NITROSODIPHENYLAMINE	0.629	0.714	13.363
C625	4-BROMOPHENYL PHENYL E	0.227	0.199	-12.431
C630	HEXACHLOROBENZENE	0.222	0.190	-14.182
C635	PENTACHLOROPHENOL	0.124	0.123	-0.225
C640	PHENANTHRENE	1.216	1.133	-6.809
C645	ANTHRACENE	1.189	1.148	-3.457
C650	DI-N-BUTYL PHTHALATE	1.734	1.436	-17.149
C655	FLUORANTHENE	1.080	0.999	-7.496

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C715	PYRENE	1.669	1.383	-17.128
C720	BUTYL BENZYL PHTHALATE	0.993	0.855	-13.941
C725	3,3'-DICHLOROBENZIDINE	0.313	0.377	20.293
C730	BENZO(A)ANTHRACENE	1.403	1.308	-6.753
C745	BIS(2-ETHYLHEXYL)PHTHA	1.486	1.200	-19.196
C740	CHRYSENE	1.280	1.210	-5.489
C760	DI-N-OCTYL PHTHALATE	2.867	3.082	7.504
C765	BENZO(B)FLUORANTHENE	1.550	1.471	-5.052
C770	BENZO(K)FLUORANTHENE	1.440	1.639	13.765
C775	BENZO(A)PYRENE	1.282	1.316	2.645
C780	INDENO(1,2,3-CD)PYRENE	1.132	1.290	13.964
C785	DIBENZO(A,H)ANTHRACENE	1.004	0.982	-2.177
C790	BENZO(GHI)PERYLENE	1.065	1.027	-3.553
C310	N-NITROSODIMETHYLAMINE	0.968	1.119	15.626
C620	1,2-DIPHENYL-HYDRAZINE	1.189	1.393	17.117
C320	ANILINE	1.768	2.369	34.010
CS50	2-FLUOROPHENOL ** SU1	1.491	1.776	19.103
CS45	PHENOL-D5 ** SU2 **	1.843	2.095	13.663
CS55	2,4,6-TRIBROMOPHENOL	0.123	0.092	-24.850
CS20	NITROBENZENE-D5 ** SU3	0.392	0.428	9.285
CS25	2-FLUOROBIPHENYL **SU4	1.388	1.393	0.336
CS30	TERPHENYL-D14 ** SU6	1.412	1.156	-18.107
CS70	2-CHLOROPHENOL-D4 ** S	1.817	1.960	7.865
CS75	1,2-DICHLOROBENZENE-D4	0.890	0.948	6.509
C647	CARBAZOLE	0.917	0.987	7.595
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.273	1.900	49.183

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0316C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 03/16/93 8:57:00 VERFIED BY

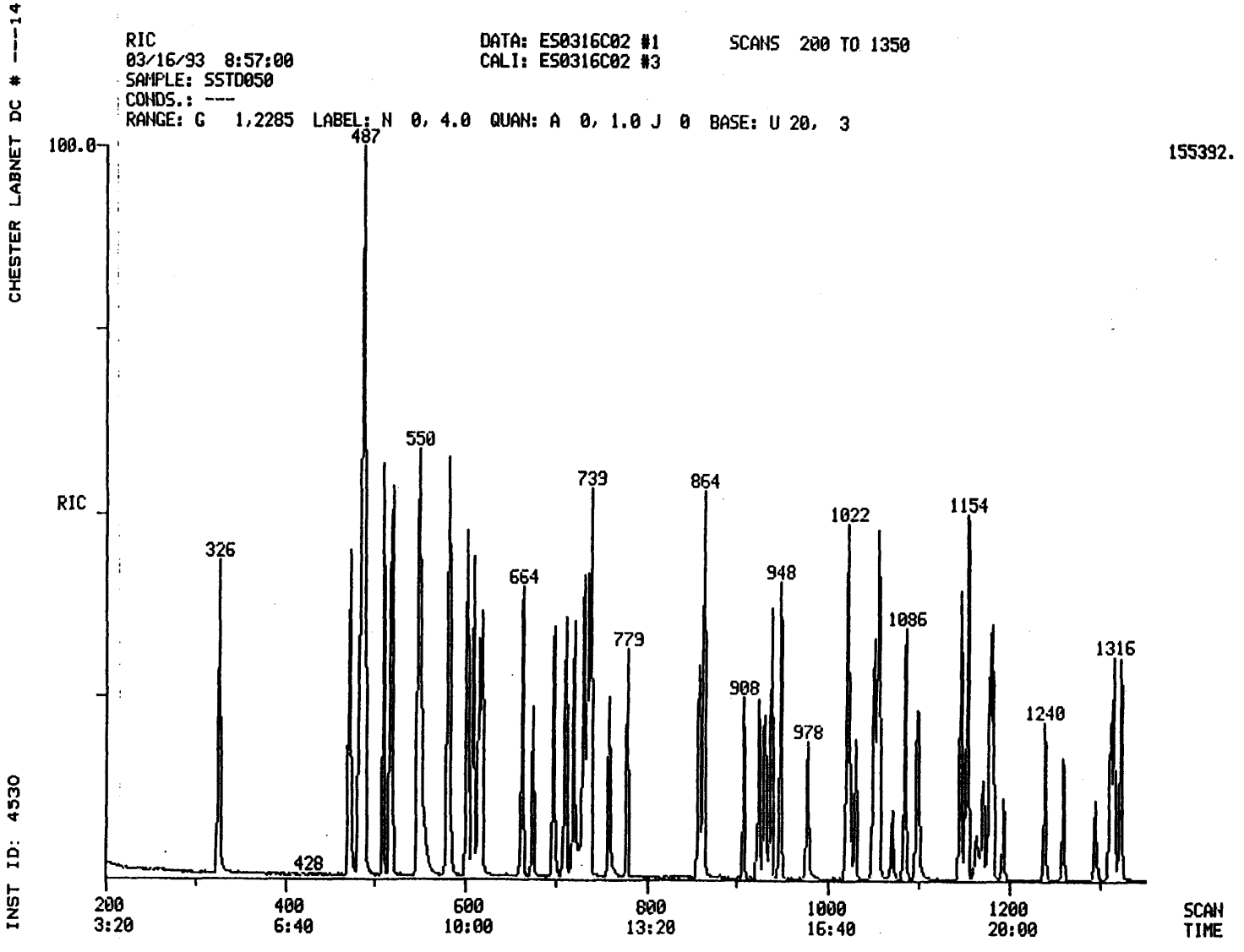
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	517	40	25947	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	736	40	82278	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	1051	40	37176	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1312	40	42439	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1792	40	32674	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	2032	40	25701	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	326	50	57611	0.631	1.776
CS45	PHENOL-D5 ** SU2 **		99	483	50	67953	0.934	2.095
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	1194	50	4297	1.136	0.092
CS20	NITROBENZENE-D5 ** SU3 **		82	616	50	44067	0.837	0.428
CS25	2-FLUOROBIPHENYL **SU4 **		172	938	50	64714	0.892	1.393
CS30	TERPHENYL-D14 ** SU6 **		244	1612	50	47219	0.900	1.156
C315	PHENOL	10A	94	485	50	60138	0.938	1.854
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	487	50	54602	0.942	1.683
C330	2-CHLOROPHENOL	1A	128	490	50	45341	0.948	1.398
C335	1,3-DICHLOROBENZENE	21B	146	510	50	50045	0.986	1.543
C340	1,4-DICHLOROBENZENE	22B	146	520	50	50937	1.006	1.570
C345	BENZYL ALCOHOL		108	552	50	26420	1.068	0.815
C350	1,2-DICHLOROBENZENE	20B	146	550	50	46964	1.064	1.448
C355	2-METHYLPHENOL		108	583	50	42880	1.128	1.322
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	580	50	55822	1.122	1.721
C365	4-METHYLPHENOL		108	609	50	42476	1.178	1.310
C370	N-NITROSODIPROPYLAMINE	42B	70	604	50	29374	1.168	0.906
C375	HEXACHLOROETHANE	36B	117	602	50	19514	1.164	0.602
C410	NITROBENZENE	40B	77	619	50	44813	0.841	0.436
C415	ISOPHORONE	38B	82	664	50	84280	0.902	0.819
C420	2-NITROPHENOL	6A	139	675	50	21111	0.917	0.205
C425	2,4-DIMETHYLPHENOL	3A	107	699	50	34578	0.950	0.336
C430	BENZOIC ACID		122	735	50	20056	0.999	0.195
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	712	50	49260	0.967	0.479
C440	2,4-DICHLOROPHENOL	2A	162	721	50	27506	0.980	0.267
C445	1,2,4-TRICHLOROBENZENE	46B	180	732	50	29890	0.995	0.291
C450	NAPHTHALENE	39B	128	739	50	106830	1.004	1.039
C455	4-CHLOROANILINE		127	760	50	42409	1.033	0.412
C460	HEXACHLOROBUTADIENE	34B	225	779	50	13206	1.058	0.128
C465	P-CHLORO-M-CRESOL	8A	107	858	50	30295	1.166	0.295
C470	2-METHYLNAPHTHALENE		142	863	50	75803	1.173	0.737
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	908	50	14595	0.864	0.314
C515	2,4,6-TRICHLOROPHENOL	11A	196	924	50	15750	0.879	0.339
C520	2,4,5-TRICHLOROPHENOL		196	930	50	20164	0.885	0.434
C525	2-CHLORONAPHTHALENE	16B	162	948	50	58404	0.902	1.257
C530	2-NITROANILINE		65	978	50	18545	0.931	0.399
C535	DIMETHYL PHTHALATE	25B	163	1024	50	59716	0.974	1.285
C540	ACENAPHTHYLENE	2B	152	1022	50	92547	0.972	1.992
C545	3-NITROANILINE		138	1054	50	17406	1.003	0.375
C550	ACENAPHTHENE	1B	153	1056	50	49956	1.005	1.075

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

DATAFILE ES0316C02

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	1071	50	9059	1.019	0.195
C560	4-NITROPHENOL	7A	109	1099	50	6307	1.046	0.136
C565	DIBENZOFURAN		168	1086	50	74676	1.033	1.607
C570	2,4-DINITROTOLUENE	27B	165	1100	50	18944	1.047	0.408
C543	2,6-DINITROTOLUENE	28B	165	1031	50	16060	0.981	0.346
C580	DIETHYL PHTHALATE	24B	149	1154	50	56554	1.098	1.217
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	1155	50	25997	1.099	0.559
C590	FLUORENE	32B	166	1147	50	53912	1.091	1.160
C595	4-NITROANILINE		138	1164	50	11222	1.108	0.241
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	1172	50	10353	0.893	0.195
C615	N-NITROSODIPHENYLAMINE	43B	169	1179	50	37857	0.899	0.714
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1240	50	10543	0.945	0.199
C630	HEXACHLOROBENZENE	33B	284	1260	50	10084	0.960	0.190
C635	PENTACHLOROPHENOL	9A	266	1296	50	6540	0.988	0.123
C640	PHENANTHRENE	44B	178	1316	50	60101	1.003	1.133
C645	ANTHRACENE	3B	178	1324	50	60883	1.009	1.148
C650	DI-N-BUTYL PHTHALATE	26B	149	1449	50	76203	1.104	1.436
C655	FLUORANTHENE	31B	202	1530	50	52982	1.166	0.999
C715	PYRENE	45B	202	1568	50	56477	0.875	1.383
C720	BUTYL BENZYL PHTHALATE	15B	149	1716	50	34912	0.958	0.855
C725	3,3'-DICHLOROBENZIDINE	23B	252	1795	50	15387	1.002	0.377
C730	BENZO(A)ANTHRACENE	5B	228	1789	50	53418	0.998	1.308
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1833	50	49023	1.023	1.200
C740	CHRYSENE	18B	228	1796	50	49407	1.002	1.210
C760	DI-N-OCTYL PHTHALATE	29B	149	1938	50	99016	0.954	3.082
C765	BENZO(B)FLUORANTHENE	7B	252	1975	50	47270	0.972	1.471
C770	BENZO(K)FLUORANTHENE	9B	252	1978	50	52643	0.973	1.639
C775	BENZO(A)PYRENE	6B	252	2023	50	42266	0.996	1.316
C780	INDENO(1,2,3-CD)PYRENE	37B	276	2199	50	41450	1.082	1.290
C785	DIBENZO(A,H)ANTHRACENE	19B	278	2204	50	31564	1.085	0.982
C790	BENZO(GHI)PERYLENE	8B	276	2243	50	32992	1.104	1.027
C310	N-NITROSODIMETHYLAMINE	41B	74	157	50	36308	0.304	1.119
C710	BENZIDINE	4B	184	1567	50	14277	0.874	0.350
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	487	50	63573	0.942	1.960
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	548	50	30756	1.060	0.948
C647	CARBAZOLE		167	1360	50	52340	1.037	0.987
C320	ANILINE		93	472	50	76851	0.913	2.369
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	1182	50	73901	0.901	1.393



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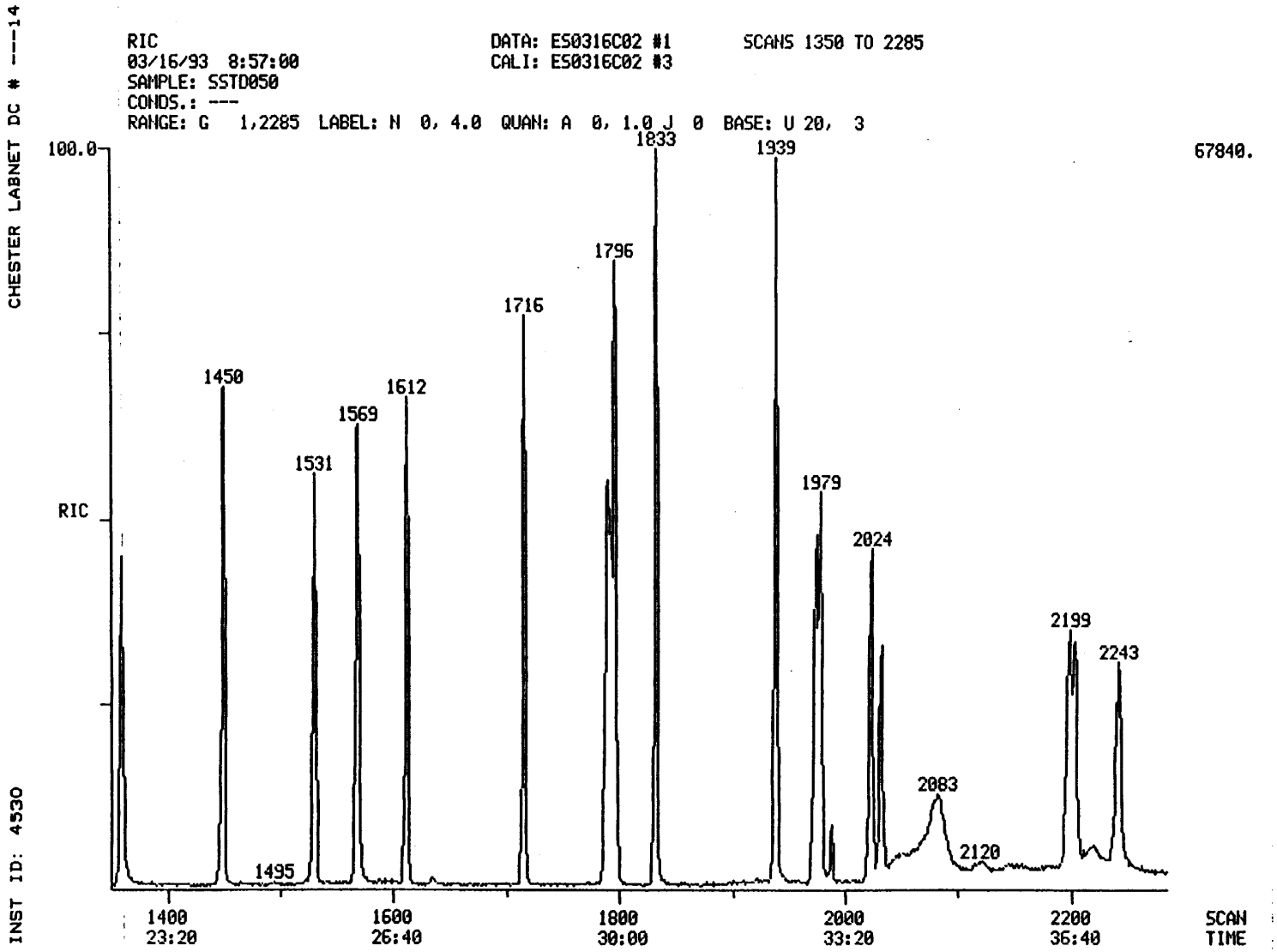

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Quantitation Report File: ES0316C02

Data: ES0316C02.TI
03/16/93 8:57:00
Sample: SSTD050
Conds.: ---
Formula: 03/11/93 Instrument: 4530 Weight: 1.001
Submitted by: CHESTER Analyst: SC Acct. No.: --

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI30	1,4-DICHLOROBENZENE-D4 ** IS1**	
2	CI40	NAPHTHALENE-D8 ** IS2 **	
3	CI50	ACENAPHTHENE-D10 ** IS3 **	
4	CI60	PHENANTHRENE-D10 ** IS4 **	
5	CI70	CHRYSENE-D12 ** IS5 **	
6	CI75	PERYLENE-D12 ** IS6 **	
7	CS50	2-FLUOROPHENOL ** SU1 **	
8	CS45	PHENOL-D5 ** SU2 **	
9	CS55	2,4,6-TRIBROMOPHENOL ** SU5 **	
10	CS20	NITROBENZENE-D5 ** SU3 **	
11	CS25	2-FLUOROBIPHENYL **SU4 **	
12	CS30	TERPHENYL-D14 ** SU6 **	
13	C315	PHENOL	10A
14	C325	BIS(2-CHLOROETHYL)ETHER	11B
15	C330	2-CHLOROPHENOL	1A
16	C335	1,3-DICHLOROBENZENE	21B
17	C340	1,4-DICHLOROBENZENE	22B
18	C345	BENZYL ALCOHOL	
19	C350	1,2-DICHLOROBENZENE	20B
20	C355	2-METHYLPHENOL	
21	C357	2,2'-OXYBIS(1-CHLOROPROPANE)	
22	C365	4-METHYLPHENOL	
23	C370	N-NITROSODIPROPYLAMINE	42B
24	C375	HEXACHLOROETHANE	36B
25	C410	NITROBENZENE	40B
26	C415	ISOPHORONE	38B
27	C420	2-NITROPHENOL	6A
28	C425	2,4-DIMETHYLPHENOL	3A
29	C430	BENZOIC ACID	
30	C435	BIS(2-CHLOROETHOXY)METHANE	10B
31	C440	2,4-DICHLOROPHENOL	2A
32	C445	1,2,4-TRICHLOROBENZENE	46B
33	C450	NAPHTHALENE	39B
34	C455	4-CHLOROANILINE	
35	C460	HEXACHLOROBUTADIENE	34B
36	C465	P-CHLORO-M-CRESOL	8A
37	C470	2-METHYLNAPHTHALENE	
38	C510	HEXACHLOROCYCLOPENTADIENE	35B
39	C515	2,4,6-TRICHLOROPHENOL	11A
40	C520	2,4,5-TRICHLOROPHENOL	
41	C525	2-CHLORONAPHTHALENE	16B
42	C530	2-NITROANILINE	
43	C535	DIMETHYL PHTHALATE	25B
44	C540	ACENAPHTHYLENE	2B
45	C545	3-NITROANILINE	
46	C550	ACENAPHTHENE	1B
47	C555	2,4-DINITROPHENOL	5A

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No	Name		
48	C560	4-NITROPHENOL	7A
49	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	517	8:37	1	1.000	A BB	25947.	40.000 UG/L	0.95
2	136	736	12:16	2	1.000	A BB	82278.	40.000 UG/L	0.95
3	164	1051	17:31	3	1.000	A BB	37176.	40.000 UG/L	0.95
4	188	1312	21:52	4	1.000	A BB	42439.	40.000 UG/L	0.95
5	240	1792	29:52	5	1.000	A BB	32674.	40.000 UG/L	0.95
6	264	2032	33:52	6	1.000	A BB	25701.	40.000 UG/L	0.95
7	112	326	5:26	1	0.631	A BB	57611.	50.000 UG/L	1.19
8	99	483	8:03	1	0.934	A BB	67953.	50.000 UG/L	1.19
9	330	1194	19:54	3	1.136	A BB	4297.	50.000 UG/L	1.19
10	82	616	10:16	2	0.837	A BV	44067.	50.000 UG/L	1.19
11	172	938	15:38	3	0.892	A BB	64714.	50.000 UG/L	1.19
12	244	1612	26:52	5	0.900	A BB	47219.	50.000 UG/L	1.19
13	94	485	8:05	1	0.938	A BV	60138.	50.000 UG/L	1.19
14	93	487	8:07	1	0.942	A VB	54602.	50.000 UG/L	1.19
15	128	490	8:10	1	0.948	A BB	45341.	50.000 UG/L	1.19
16	146	510	8:30	1	0.986	A BV	50045.	50.000 UG/L	1.19
17	146	520	8:40	1	1.006	A VB	50937.	50.000 UG/L	1.19
18	108	552	9:12	1	1.068	A BB	26420.	50.000 UG/L	1.19
19	146	550	9:10	1	1.064	A BB	46964.	50.000 UG/L	1.19
20	108	583	9:43	1	1.128	A BB	42880.	50.000 UG/L	1.19
21	45	580	9:40	1	1.122	A BB	55822.	50.000 UG/L	1.19
22	108	609	10:09	1	1.178	A BB	42476.	50.000 UG/L	1.19
23	70	604	10:04	1	1.168	A BV	29374.	50.000 UG/L	1.19
24	117	602	10:02	1	1.164	A BB	19514.	50.000 UG/L	1.19
25	77	619	10:19	2	0.841	A VB	44813.	50.000 UG/L	1.19
26	82	664	11:04	2	0.902	A BV	84280.	50.000 UG/L	1.19
27	139	675	11:15	2	0.917	A BB	21111.	50.000 UG/L	1.19
28	107	699	11:39	2	0.950	A BV	34578.	50.000 UG/L	1.19
29	122	735	12:15	2	0.999	A BB	20056.	50.000 UG/L	1.19
30	93	712	11:52	2	0.967	A BV	49260.	50.000 UG/L	1.19
31	162	721	12:01	2	0.980	A BB	27506.	50.000 UG/L	1.19
32	180	732	12:12	2	0.995	A BB	29890.	50.000 UG/L	1.19
33	128	739	12:19	2	1.004	A BB	106830.	50.000 UG/L	1.19
34	127	760	12:40	2	1.033	A BV	42409.	50.000 UG/L	1.19
35	225	779	12:59	2	1.058	A BB	13206.	50.000 UG/L	1.19
36	107	858	14:18	2	1.166	A BB	30295.	50.000 UG/L	1.19
37	142	863	14:23	2	1.173	A VB	75803.	50.000 UG/L	1.19
38	237	908	15:08	3	0.864	A BB	14595.	50.000 UG/L	1.19
39	196	924	15:24	3	0.879	A BV	15750.	50.000 UG/L	1.19
40	196	930	15:30	3	0.885	A VB	20164.	50.000 UG/L	1.19
41	162	948	15:48	3	0.902	A BB	58404.	50.000 UG/L	1.19
42	65	978	16:18	3	0.931	A BB	18545.	50.000 UG/L	1.19
43	163	1024	17:04	3	0.974	A BB	59716.	50.000 UG/L	1.19
44	152	1022	17:02	3	0.972	A BB	92547.	50.000 UG/L	1.19
45	138	1054	17:34	3	1.003	A BB	17406.	50.000 UG/L	1.19
46	153	1056	17:36	3	1.005	A BB	49956.	50.000 UG/L	1.19
47	184	1071	17:51	3	1.019	A BB	9059.	50.000 UG/L	1.19
48	109	1099	18:19	3	1.046	A BB	6307.	50.000 UG/L	1.19
49	168	1086	18:06	3	1.033	A BB	74676.	50.000 UG/L	1.19
50	165	1100	18:20	3	1.047	A BB	18944.	50.000 UG/L	1.19

000215

011265

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:16	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	21:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	33:52	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:26	1.00	0.631	1.00	50.00	50.00	1.776	1.776	1.00
8	8:03	1.00	0.934	1.00	50.00	50.00	2.095	2.095	1.00
9	19:54	1.00	1.136	1.00	50.00	50.00	0.092	0.092	1.00
10	10:16	1.00	0.837	1.00	50.00	50.00	0.428	0.428	1.00
11	15:38	1.00	0.892	1.00	50.00	50.00	1.393	1.393	1.00
12	26:52	1.00	0.900	1.00	50.00	50.00	1.156	1.156	1.00
13	8:05	1.00	0.938	1.00	50.00	50.00	1.854	1.854	1.00
14	8:07	1.00	0.942	1.00	50.00	50.00	1.683	1.683	1.00
15	8:10	1.00	0.948	1.00	50.00	50.00	1.398	1.398	1.00
16	8:30	1.00	0.986	1.00	50.00	50.00	1.543	1.543	1.00
17	8:40	1.00	1.006	1.00	50.00	50.00	1.570	1.570	1.00
18	9:12	1.00	1.068	1.00	50.00	50.00	0.815	0.815	1.00
19	9:10	1.00	1.064	1.00	50.00	50.00	1.448	1.448	1.00
20	9:43	1.00	1.128	1.00	50.00	50.00	1.322	1.322	1.00
21	9:40	1.00	1.122	1.00	50.00	50.00	1.721	1.721	1.00
22	10:09	1.00	1.178	1.00	50.00	50.00	1.310	1.310	1.00
23	10:04	1.00	1.168	1.00	50.00	50.00	0.906	0.906	1.00
24	10:02	1.00	1.164	1.00	50.00	50.00	0.602	0.602	1.00
25	10:19	1.00	0.841	1.00	50.00	50.00	0.436	0.436	1.00
26	11:04	1.00	0.902	1.00	50.00	50.00	0.819	0.819	1.00
27	11:15	1.00	0.917	1.00	50.00	50.00	0.205	0.205	1.00
28	11:39	1.00	0.950	1.00	50.00	50.00	0.336	0.336	1.00
29	12:15	1.00	0.999	1.00	50.00	50.00	0.195	0.195	1.00
30	11:52	1.00	0.967	1.00	50.00	50.00	0.479	0.479	1.00
31	12:01	1.00	0.980	1.00	50.00	50.00	0.267	0.267	1.00
32	12:12	1.00	0.995	1.00	50.00	50.00	0.291	0.291	1.00
33	12:19	1.00	1.004	1.00	50.00	50.00	1.039	1.039	1.00
34	12:40	1.00	1.033	1.00	50.00	50.00	0.412	0.412	1.00
35	12:59	1.00	1.058	1.00	50.00	50.00	0.128	0.128	1.00
36	14:18	1.00	1.166	1.00	50.00	50.00	0.295	0.295	1.00
37	14:23	1.00	1.173	1.00	50.00	50.00	0.737	0.737	1.00
38	15:08	1.00	0.864	1.00	50.00	50.00	0.314	0.314	1.00
39	15:24	1.00	0.879	1.00	50.00	50.00	0.339	0.339	1.00
40	15:30	1.00	0.885	1.00	50.00	50.00	0.434	0.434	1.00
41	15:48	1.00	0.902	1.00	50.00	50.00	1.257	1.257	1.00
42	16:18	1.00	0.931	1.00	50.00	50.00	0.399	0.399	1.00
43	17:04	1.00	0.974	1.00	50.00	50.00	1.285	1.285	1.00
44	17:02	1.00	0.972	1.00	50.00	50.00	1.992	1.992	1.00
45	17:34	1.00	1.003	1.00	50.00	50.00	0.375	0.375	1.00
46	17:36	1.00	1.005	1.00	50.00	50.00	1.075	1.075	1.00
47	17:51	1.00	1.019	1.00	50.00	50.00	0.195	0.195	1.00
48	18:19	1.00	1.046	1.00	50.00	50.00	0.136	0.136	1.00
49	18:06	1.00	1.033	1.00	50.00	50.00	1.607	1.607	1.00
50	18:20	1.00	1.047	1.00	50.00	50.00	0.408	0.408	1.00

Quantitation Report File: ES0316C02

Data: ES0316C02.TI
03/16/93 8:57:00
Sample: SSTD050
Conds.: ---
Formula: 03/11/93 Instrument: 4530 Weight: 1.001
Submitted by: CHESTER Analyst: SC Acct. No.: --

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
51	C543	2,6-DINITROTOLUENE	28B
52	C580	DIETHYL PHTHALATE	24B
53	C585	4-CHLOROPHENYL PHENYL ETHER	17B
54	C590	FLUORENE	32B
55	C595	4-NITROANILINE	
56	C610	4,6-DINITRO-2-METHYLPHENOL	4A
57	C615	N-NITROSODIPHENYLAMINE	43B
58	C625	4-BROMOPHENYL PHENYL ETHER	14B
59	C630	HEXACHLOROBENZENE	33B
60	C635	PENTACHLOROPHENOL	9A
61	C640	PHENANTHRENE	44B
62	C645	ANTHRACENE	3B
63	C650	DI-N-BUTYL PHTHALATE	26B
64	C655	FLUORANTHENE	31B
65	C715	PYRENE	45B
66	C720	BUTYL BENZYL PHTHALATE	15B
67	C725	3,3'-DICHLOROBENZIDINE	23B
68	C730	BENZO(A)ANTHRACENE	5B
69	C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B
70	C740	CHRYSENE	18B
71	C760	DI-N-OCTYL PHTHALATE	29B
72	C765	BENZO(B)FLUORANTHENE	7B
73	C770	BENZO(K)FLUORANTHENE	9B
74	C775	BENZO(A)PYRENE	6B
75	C780	INDENO(1,2,3-CD)PYRENE	37B
76	C785	DIBENZO(A,H)ANTHRACENE	19B
77	C790	BENZO(GHI)PERYLENE	8B
78	C310	N-NITROSODIMETHYLAMINE	41B
79	C710	BENZIDINE	4B
80	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
81	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
82	C647	CARBAZOLE	
83	C320	ANILINE	
84	A950	PYRIDINE	
85	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1031	17:11	3	0.981	A BB	16060.	50.000 UG/L	1.19
52	149	1154	19:14	3	1.098	A BB	56554.	50.000 UG/L	1.19
53	204	1155	19:15	3	1.099	A BB	25997.	50.000 UG/L	1.19
54	166	1147	19:07	3	1.091	A BB	53912.	50.000 UG/L	1.19
55	138	1164	19:24	3	1.108	A BB	11222.	50.000 UG/L	1.19
56	198	1172	19:32	4	0.893	A BB	10353.	50.000 UG/L	1.19
57	169	1179	19:39	4	0.899	A BB	37857.	50.000 UG/L	1.19
58	248	1240	20:40	4	0.945	A BB	10543.	50.000 UG/L	1.19

011267

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
59	284	1260	21:00	4	0.960	A BB	10084.	50.000	UG/L	1.19
60	266	1296	21:36	4	0.988	A BB	6540.	50.000	UG/L	1.19
61	178	1316	21:56	4	1.003	A BV	60101.	50.000	UG/L	1.19
62	178	1324	22:04	4	1.009	A VB	60883.	50.000	UG/L	1.19
63	149	1449	24:09	4	1.104	A BB	76203.	50.000	UG/L	1.19
64	202	1530	25:30	4	1.166	A BB	52982.	50.000	UG/L	1.19
65	202	1568	26:08	5	0.875	A BB	56477.	50.000	UG/L	1.19
66	149	1716	28:36	5	0.958	A BB	34912.	50.000	UG/L	1.19
67	252	1795	29:55	5	1.002	A BB	15387.	50.000	UG/L	1.19
68	228	1789	29:49	5	0.998	A BV	53418.	50.000	UG/L	1.19
69	149	1833	30:33	5	1.023	A BB	49023.	50.000	UG/L	1.19
70	228	1796	29:56	5	1.002	A VB	49407.	50.000	UG/L	1.19
71	149	1938	32:18	6	0.954	A BB	99016.	50.000	UG/L	1.19
72	252	1975	32:55	6	0.972	M XX	47270.	50.000	UG/L	1.19
73	252	1978	32:58	6	0.973	M XX	52643.	50.000	UG/L	1.19
74	252	2023	33:43	6	0.996	A BB	42266.	50.000	UG/L	1.19
75	276	2199	36:39	6	1.082	A BB	41450.	50.000	UG/L	1.19
76	278	2204	36:44	6	1.085	A BB	31564.	50.000	UG/L	1.19
77	276	2243	37:23	6	1.104	A BB	32992.	50.000	UG/L	1.19
78	74	157	2:37	1	0.304	A BB	36307.	50.000	UG/L	1.19
79	184	1567	26:07	5	0.874	A BB	14277.	50.000	UG/L	1.19
80	132	487	8:07	1	0.942	A BB	63573.	50.000	UG/L	1.19
81	152	548	9:08	1	1.060	A BB	30756.	50.000	UG/L	1.19
82	167	1360	22:40	4	1.037	A BB	52340.	50.000	UG/L	1.19
83	93	472	7:52	1	0.913	A BV	76851.	50.000	UG/L	1.19
84	79	159	2:39	1	0.308	A BV	61623.	50.000	UG/L	1.19
85	77	1182	19:42	4	0.901	A VB	73901.	50.000	UG/L	1.19

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:11	1.00	0.981	1.00	50.00	50.00	0.346	0.346	1.00
52	19:14	1.00	1.098	1.00	50.00	50.00	1.217	1.217	1.00
53	19:15	1.00	1.099	1.00	50.00	50.00	0.559	0.559	1.00
54	19:07	1.00	1.091	1.00	50.00	50.00	1.160	1.160	1.00
55	19:24	1.00	1.108	1.00	50.00	50.00	0.241	0.241	1.00
56	19:32	1.00	0.893	1.00	50.00	50.00	0.195	0.195	1.00
57	19:39	1.00	0.899	1.00	50.00	50.00	0.714	0.714	1.00
58	20:40	1.00	0.945	1.00	50.00	50.00	0.199	0.199	1.00
59	21:00	1.00	0.960	1.00	50.00	50.00	0.190	0.190	1.00
60	21:36	1.00	0.988	1.00	50.00	50.00	0.123	0.123	1.00
61	21:56	1.00	1.003	1.00	50.00	50.00	1.133	1.133	1.00
62	22:04	1.00	1.009	1.00	50.00	50.00	1.148	1.148	1.00
63	24:09	1.00	1.104	1.00	50.00	50.00	1.436	1.436	1.00
64	25:30	1.00	1.166	1.00	50.00	50.00	0.999	0.999	1.00
65	26:08	1.00	0.875	1.00	50.00	50.00	1.383	1.383	1.00
66	28:36	1.00	0.958	1.00	50.00	50.00	0.855	0.855	1.00
67	29:55	1.00	1.002	1.00	50.00	50.00	0.377	0.377	1.00
68	29:49	1.00	0.998	1.00	50.00	50.00	1.308	1.308	1.00
69	30:33	1.00	1.023	1.00	50.00	50.00	1.200	1.200	1.00
70	29:56	1.00	1.002	1.00	50.00	50.00	1.210	1.210	1.00
71	32:18	1.00	0.954	1.00	50.00	50.00	3.082	3.082	1.00
72	32:55	1.00	0.972	1.00	50.00	50.00	1.471	1.471	1.00
73	32:58	1.00	0.973	1.00	50.00	50.00	1.639	1.639	1.00
74	33:43	1.00	0.996	1.00	50.00	50.00	1.316	1.316	1.00
75	36:39	1.00	1.082	1.00	50.00	50.00	1.290	1.290	1.00
76	36:44	1.00	1.085	1.00	50.00	50.00	0.982	0.982	1.00
77	37:23	1.00	1.104	1.00	50.00	50.00	1.027	1.027	1.00

011267

011268

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
78	2:37	1.00	0.304	1.00	50.00	50.00	1.119	1.119	1.00
79	26:07	1.00	0.874	1.00	50.00	50.00	0.350	0.350	1.00
80	8:07	1.00	0.942	1.00	50.00	50.00	1.960	1.960	1.00
81	9:08	1.00	1.060	1.00	50.00	50.00	0.948	0.948	1.00
82	22:40	1.00	1.037	1.00	50.00	50.00	0.987	0.987	1.00
83	7:52	1.00	0.913	1.00	50.00	50.00	2.369	2.369	1.00
84	2:39	1.00	0.308	1.00	50.00	50.00	1.900	1.900	1.00
85	19:42	1.00	0.901	1.00	50.00	50.00	1.393	1.393	1.00

011269

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:		Laboratory:	CHESTER	Contract:	
Inst ID:	4530	Sens Date:	03/17/93	Sens Time:	8:34:00
Lab ID:	ES0317C01C	Cali Date:	03/11/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 376	
51	30 to 60% of mass 198	57.29	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	57.73	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	59.17	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	5.23	
275	10 TO 30% of mass 198	21.89	
365	greater than 1% of mass 198	1.88	
441	less than mass 443	6.75	
442	greater than 40% of mass 198	51.76	
443	17 TO 23% of mass 442	11.21	(21.67) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

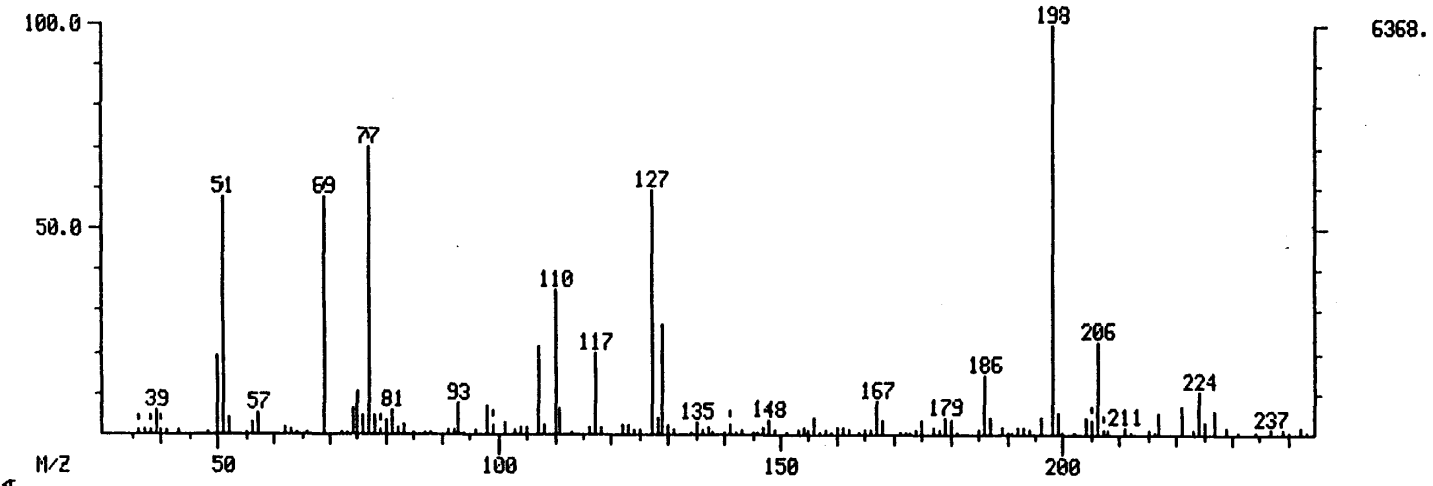
000320

CHESTER LABNET DC # ---15

MASS SPECTRUM
03/17/93 8:34:00 + 6:17
SAMPLE: DFTPP
CONDS.: ---
#376 TO #378 SUMMED - #365

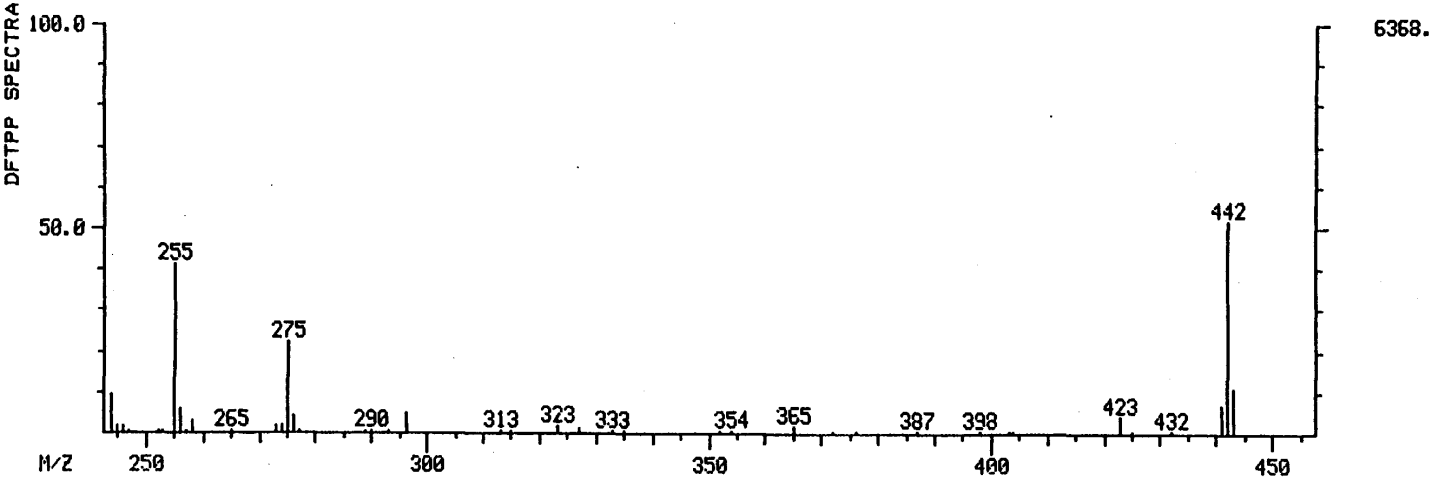
DATA: ES0317C01C #377
CALI: ES0317C01C #3

BASE M/Z: 198
RIC: 62528.



DFTPP SPECTRA

INST ID: 4530



122000

011270

011271

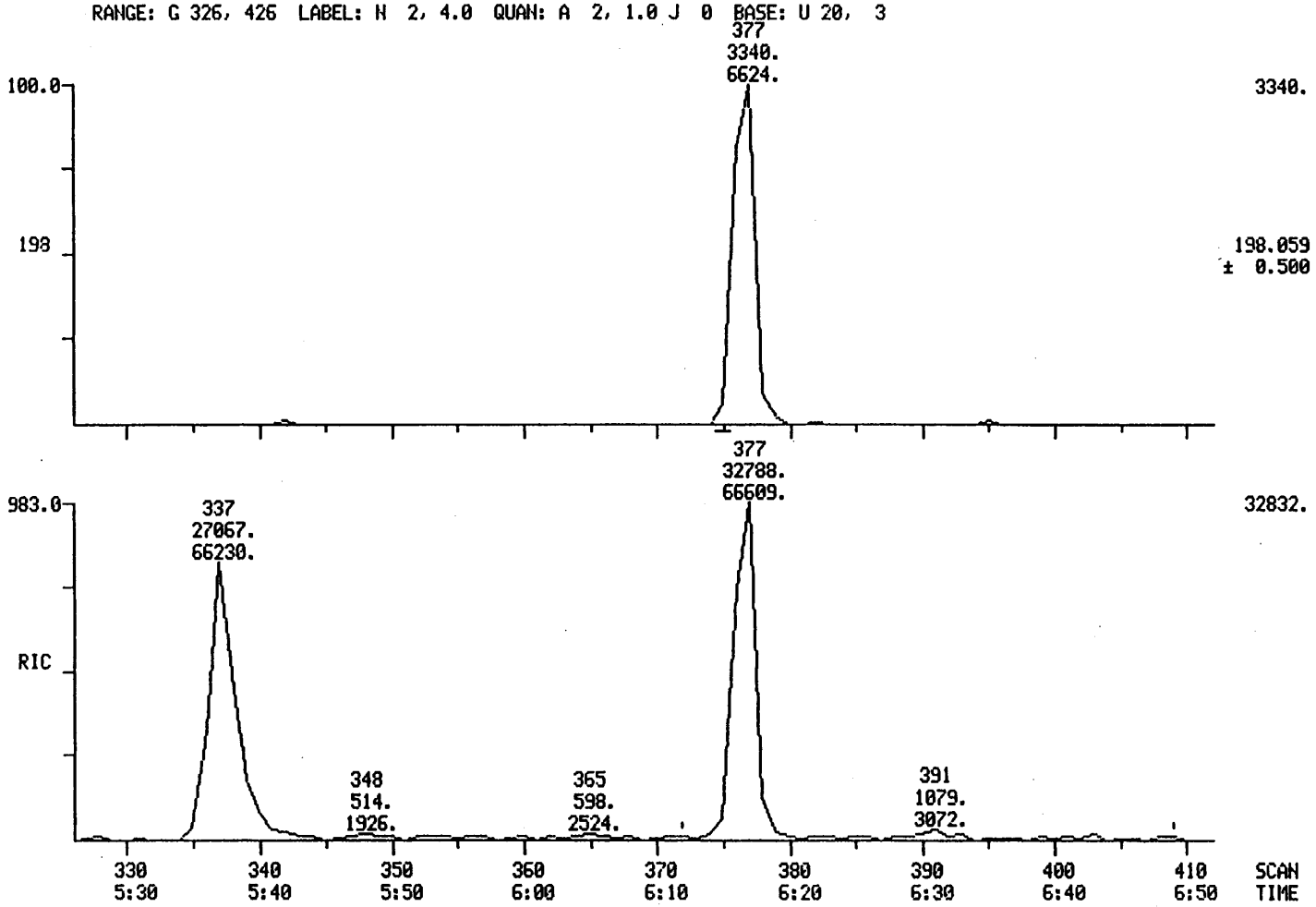
INST ID: 4530 CHESTER LABNET DC # ---15

DFTPP MASS LISTING

Mass List Data: ES0317C01C # 377 Base m/z: 198
03/17/93 8:34:00 + 6:17 Cali: ES0317C01C # 3 RIC: 62528.
Sample: DFTPP
Conds.: ---
#376 to #378 summed - #365

36		0.00	0.	Minima	Min Inten:		80.
443				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
36.00?	S	1.27	81.	160.00		1.87	119.
39.00?		5.94	378.	161.00		1.65	105.
50.00		19.19	1222.	165.00		1.26	80.
51.00	S	57.29	3648.	166.00		1.38	88.
52.00		4.26	271.	167.00		7.87	501.
56.00		3.11	198.	168.00		3.44	219.
57.00		5.14	327.	175.00		3.52	224.
62.00		1.54	98.	177.00		1.46	93.
69.00	S	57.73	3676.	179.00		4.13	263.
74.00		6.28	400.	180.00		3.45	220.
75.00		10.68	680.	185.00		1.29	82.
76.00		4.66	297.	186.00		14.70	936.
77.00	S	69.72	4440.	187.00		3.83	244.
78.00		4.76	303.	189.00		1.82	116.
79.00	S	1.37	87.	192.00		1.92	122.
80.00		3.28	209.	193.00		1.88	120.
81.00		5.87	374.	196.00		3.96	252.
82.00		1.55	99.	198.00		100.00	6368.
83.00		2.15	137.	199.00		5.23	333.
91.00		1.29	82.	204.00		3.88	247.
93.00		7.60	484.	205.00	S	3.39	216.
98.00		7.08	451.	206.00		22.61	1440.
99.00	S	2.40	153.	207.00	S	1.29	82.
101.00		2.70	172.	208.00		1.26	80.
103.00		1.41	90.	211.00		1.85	118.
104.00		1.90	121.	217.00		5.50	350.
105.00		2.01	128.	221.00		7.08	451.
107.00		21.70	1382.	224.00		10.33	658.
108.00		2.61	166.	225.00		3.03	193.
110.00		34.74	2212.	227.00		5.90	376.
111.00		6.44	410.	229.00		1.63	104.
116.00		1.46	93.	237.00		1.41	90.
117.00	S	19.60	1248.	242.00		1.51	96.
118.00		1.51	96.	244.00		9.16	583.
122.00		2.12	135.	245.00		1.87	119.
123.00		2.51	160.	246.00		1.77	113.
125.00		1.44	92.	255.00		41.27	2628.
127.00		59.17	3768.	256.00		5.89	375.
128.00		3.86	246.	258.00		2.84	181.
129.00		26.54	1690.	273.00		1.51	96.
130.00		2.21	141.	274.00		1.59	101.
135.00		2.84	181.	275.00		21.89	1394.
137.00		1.59	101.	276.00		4.15	264.
141.00	S	2.14	136.	296.00		4.77	304.
143.00		1.41	90.	323.00		1.92	122.
147.00		1.88	120.	365.00		1.88	120.
148.00	S	3.66	233.	423.00		4.19	267.
153.00		1.26	80.	441.00		6.75	430.
154.00		1.51	96.	442.00		51.76	3296.
156.00		3.93	250.	443.00		11.21	714.

RIC+MASS CHROMATOGRAM DATA: ES0317C01C #376 SCANS 326 TO 412
03/17/93 8:34:00 CALI: ES0317C01C #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 326, 426 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



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CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --
CONTRACT LAB: CHESTER LABNET
CONTRACT NO. --
INSTRUMENT IDENTIFIER: 4530
CALIBRATION DATE: 03/11/93
STANDARD FILE: ES0317C02
DATE: 03/17/93 TIME: 8:49
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.788	1.695	-5.177
C325	BIS(2-CHLOROETHYL)ETHE	1.751	1.548	-11.598
C330	2-CHLOROPHENOL	1.415	1.386	-2.058
C335	1,3-DICHLOROBENZENE	1.516	1.482	-2.277
C340	1,4-DICHLOROBENZENE	1.633	1.563	-4.277
C345	BENZYL ALCOHOL	0.861	0.724	-15.934
C350	1,2-DICHLOROBENZENE	1.521	1.468	-3.439
C355	2-METHYLPHENOL	1.320	1.247	-5.524
C357	2,2'-OXYBIS(1-CHLOROPR	1.642	1.205	-26.601
C365	4-METHYLPHENOL	1.341	1.195	-10.893
C370	N-NITROSODIPROPYLAMINE	0.955	0.762	-20.200
C375	HEXACHLOROETHANE	0.555	0.558	0.552
C410	NITROBENZENE	0.410	0.373	-9.022
C415	ISOPHORONE	0.813	0.750	-7.765
C420	2-NITROPHENOL	0.182	0.214	17.382
C425	2,4-DIMETHYLPHENOL	0.336	0.309	-8.028
C430	BENZOIC ACID	0.167	0.207	23.923
C435	BIS(2-CHLOROETHOXY)MET	0.510	0.436	-14.555
C440	2,4-DICHLOROPHENOL	0.275	0.288	4.389
C445	1,2,4-TRICHLOROBENZENE	0.300	0.310	3.338
C450	NAPHTHALENE	1.072	1.032	-3.773
C455	4-CHLOROANILINE	0.315	0.436	38.353
C460	HEXACHLOROBUTADIENE	0.150	0.134	-10.523
C465	P-CHLORO-M-CRESOL	0.294	0.275	-6.639
C470	2-METHYLNAPHTHALENE	0.782	0.789	0.891
C510	HEXACHLOROCYCLOPENTADI	0.272	0.328	20.489
C515	2,4,6-TRICHLOROPHENOL	0.368	0.403	9.351
C520	2,4,5-TRICHLOROPHENOL	0.421	0.490	16.464
C525	2-CHLORONAPHTHALENE	1.326	1.348	1.618
C530	2-NITROANILINE	0.385	0.350	-9.135
C535	DIMETHYL PHTHALATE	1.532	1.378	-10.030
C540	ACENAPHTHYLENE	2.072	2.132	2.859
C545	3-NITROANILINE	0.248	0.363	45.940
C550	ACENAPHTHENE	1.106	1.027	-7.093
C555	2,4-DINITROPHENOL	0.124	0.166	34.124
C560	4-NITROPHENOL	0.143	0.137	-4.361
C565	DIBENZOFURAN	1.739	1.569	-9.769
C570	2,4-DINITROTOLUENE	0.377	0.362	-4.022
C543	2,6-DINITROTOLUENE	0.320	0.345	7.924
C580	DIETHYL PHTHALATE	1.508	1.153	-23.571
C585	4-CHLOROPHENYL PHENYL	0.656	0.505	-23.066
C590	FLUORENE	1.288	1.086	-15.693
C595	4-NITROANILINE	0.199	0.213	6.895
C610	4,6-DINITRO-2-METHYLPH	0.117	0.156	33.401
C615	N-NITROSODIPHENYLAMINE	0.629	0.676	7.438
C625	4-BROMOPHENYL PHENYL E	0.227	0.197	-13.201
C630	HEXACHLOROBENZENE	0.222	0.195	-12.018
C635	PENTACHLOROPHENOL	0.124	0.107	-13.664
C640	PHENANTHRENE	1.216	1.155	-4.981
C645	ANTHRACENE	1.189	1.170	-1.618
C650	DI-N-BUTYL PHTHALATE	1.734	1.476	-14.885
C655	FLUORANTHENE	1.080	1.032	-4.453

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C715	PYRENE	1.669	1.504	-9.896
C720	BUTYL BENZYL PHTHALATE	0.993	0.838	-15.676
C725	3,3'-DICHLOROBENZIDINE	0.313	0.361	15.190
C730	BENZO(A)ANTHRACENE	1.403	1.327	-5.398
C745	BIS(2-ETHYLHEXYL)PHTHA	1.486	1.115	-24.962
C740	CHRYSENE	1.280	1.120	-12.485
C760	DI-N-OCTYL PHTHALATE	2.867	3.341	16.531
C765	BENZO(B)FLUORANTHENE	1.550	1.657	6.926
C770	BENZO(K)FLUORANTHENE	1.440	1.333	-7.440
C775	BENZO(A)PYRENE	1.282	1.286	0.345
C780	INDENO(1,2,3-CD)PYRENE	1.132	1.315	16.137
C785	DIBENZO(A,H)ANTHRACENE	1.004	1.220	21.417
C790	BENZO(GHI)PERYLENE	1.065	1.329	24.802
C310	N-NITROSODIMETHYLAMINE	0.968	1.043	7.786
C620	1,2-DIPHENYL-HYDRAZINE	1.189	1.390	16.826
C320	ANILINE	1.768	2.153	21.760
CS50	2-FLUOROPHENOL ** SU1	1.491	1.663	11.506
CS45	PHENOL-D5 ** SU2 **	1.843	1.760	-4.507
CS55	2,4,6-TRIBROMOPHENOL	0.123	0.091	-26.124
CS20	NITROBENZENE-D5 ** SU3	0.392	0.381	-2.905
CS25	2-FLUOROBIPHENYL **SU4	1.388	1.531	10.296
CS30	TERPHENYL-D14 ** SU6	1.412	1.278	-9.455
CS70	2-CHLOROPHENOL-D4 ** S	1.817	1.928	6.116
CS75	1,2-DICHLOROBENZENE-D4	0.890	0.892	0.146
C647	CARBAZOLE	0.917	0.907	-1.132
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.273	1.804	41.623

000225

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0317C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 03/17/93 8:49:00 VERFIED BY

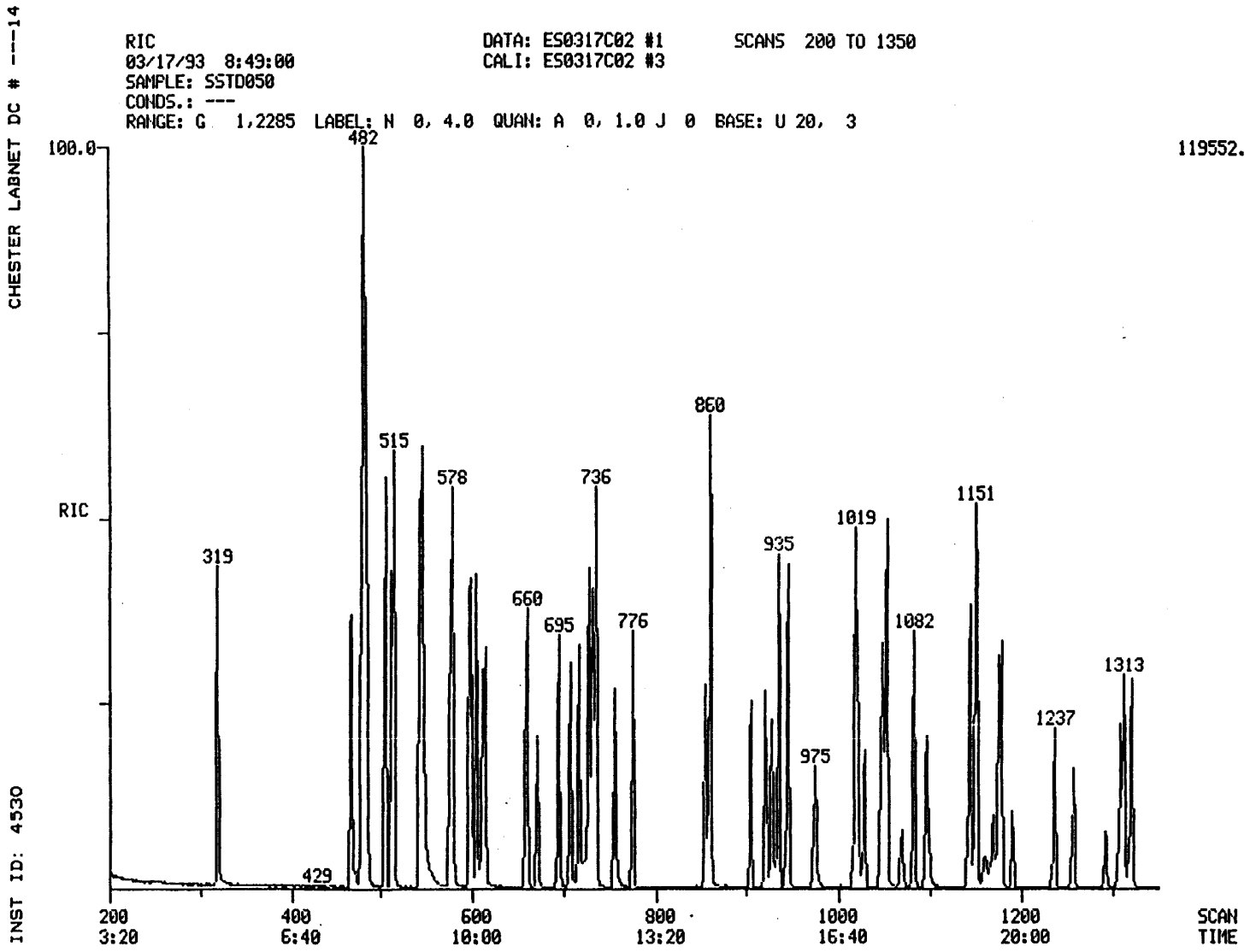
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	512	40	22168	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	732	40	68405	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	1047	40	30445	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1309	40	32485	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1789	40	22962	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	2030	40	14549	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	319	50	46080	0.623	1.663
CS45	PHENOL-D5 ** SU2 **		99	478	50	48773	0.934	1.760
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	1191	50	3459	1.138	0.091
CS20	NITROBENZENE-D5 ** SU3 **		82	612	50	32545	0.836	0.381
CS25	2-FLUOROBIPHENYL **SU4 **		172	935	50	58260	0.893	1.531
CS30	TERPHENYL-D14 ** SU6 **		244	1609	50	36691	0.899	1.278
C315	PHENOL	10A	94	480	50	46971	0.937	1.695
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	482	50	42893	0.941	1.548
C330	2-CHLOROPHENOL	1A	128	484	50	38409	0.945	1.386
C335	1,3-DICHLOROBENZENE	21B	146	505	50	41061	0.986	1.482
C340	1,4-DICHLOROBENZENE	22B	146	515	50	43304	1.006	1.563
C345	BENZYL ALCOHOL		108	547	50	20052	1.068	0.724
C350	1,2-DICHLOROBENZENE	20B	146	545	50	40691	1.064	1.468
C355	2-METHYLPHENOL		108	578	50	34561	1.129	1.247
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	576	50	33392	1.125	1.205
C365	4-METHYLPHENOL		108	605	50	33103	1.182	1.195
C370	N-NITROSODIPROPYLAMINE	42B	70	600	50	21123	1.172	0.762
C375	HEXACHLOROETHANE	36B	117	597	50	15461	1.166	0.558
C410	NITROBENZENE	40B	77	615	50	31879	0.840	0.373
C415	ISOPHORONE	38B	82	660	50	64122	0.902	0.750
C420	2-NITROPHENOL	6A	139	671	50	18283	0.917	0.214
C425	2,4-DIMETHYLPHENOL	3A	107	695	50	26419	0.949	0.309
C430	BENZOIC ACID		122	730	50	17707	0.997	0.207
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	708	50	37240	0.967	0.436
C440	2,4-DICHLOROPHENOL	2A	162	717	50	24587	0.980	0.288
C445	1,2,4-TRICHLOROBENZENE	46B	180	728	50	26473	0.995	0.310
C450	NAPHTHALENE	39B	128	736	50	88219	1.005	1.032
C455	4-CHLOROANILINE		127	756	50	37261	1.033	0.436
C460	HEXACHLOROBUTADIENE	34B	225	776	50	11477	1.060	0.134
C465	P-CHLORO-M-CRESOL	8A	107	855	50	23483	1.168	0.275
C470	2-METHYLNAPHTHALENE		142	860	50	67440	1.175	0.789
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	905	50	12475	0.864	0.328
C515	2,4,6-TRICHLOROPHENOL	11A	196	921	50	15336	0.880	0.403
C520	2,4,5-TRICHLOROPHENOL		196	927	50	18663	0.885	0.490
C525	2-CHLORONAPHTHALENE	16B	162	945	50	51285	0.903	1.348
C530	2-NITROANILINE		65	975	50	13308	0.931	0.350
C535	DIMETHYL PHTHALATE	25B	163	1021	50	52454	0.975	1.378
C540	ACENAPHTHYLENE	2B	152	1018	50	81119	0.972	2.132
C545	3-NITROANILINE		138	1050	50	13798	1.003	0.363
C550	ACENAPHTHENE	1B	153	1053	50	39094	1.006	1.027

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

DATAFILE ES0317C02

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	1069	50	6317	1.021	0.166
C560	4-NITROPHENOL	7A	109	1096	50	5209	1.047	0.137
C565	DIBENZOFURAN		168	1082	50	59698	1.033	1.569
C570	2,4-DINITROTOLUENE	27B	165	1097	50	13766	1.048	0.362
C543	2,6-DINITROTOLUENE	28B	165	1028	50	13129	0.982	0.345
C580	DIETHYL PHTHALATE	24B	149	1151	50	43864	1.099	1.153
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	1152	50	19200	1.100	0.505
C590	FLUORENE	32B	166	1144	50	41324	1.093	1.086
C595	4-NITROANILINE		138	1161	50	8093	1.109	0.213
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	1170	50	6352	0.894	0.156
C615	N-NITROSODIPHENYLAMINE	43B	169	1176	50	27462	0.898	0.676
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1237	50	7999	0.945	0.197
C630	HEXACHLOROBENZENE	33B	284	1258	50	7914	0.961	0.195
C635	PENTACHLOROPHENOL	9A	266	1293	50	4329	0.988	0.107
C640	PHENANTHRENE	44B	178	1313	50	46908	1.003	1.155
C645	ANTHRACENE	3B	178	1321	50	47491	1.009	1.170
C650	DI-N-BUTYL PHTHALATE	26B	149	1446	50	59924	1.105	1.476
C655	FLUORANTHENE	31B	202	1528	50	41890	1.167	1.032
C715	PYRENE	45B	202	1565	50	43155	0.875	1.504
C720	BUTYL BENZYL PHTHALATE	15B	149	1713	50	24040	0.958	0.838
C725	3,3'-DICHLOROBENZIDINE	23B	252	1792	50	10354	1.002	0.361
C730	BENZO(A)ANTHRACENE	5B	228	1786	50	38086	0.998	1.327
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1830	50	31992	1.023	1.115
C740	CHRYSENE	18B	228	1794	50	32150	1.003	1.120
C760	DI-N-OCTYL PHTHALATE	29B	149	1935	50	60759	0.953	3.341
C765	BENZO(B)FLUORANTHENE	7B	252	1972	50	30136	0.971	1.657
C770	BENZO(K)FLUORANTHENE	9B	252	1976	50	24244	0.973	1.333
C775	BENZO(A)PYRENE	6B	252	2021	50	23390	0.996	1.286
C780	INDENO(1,2,3-CD)PYRENE	37B	276	2196	50	23912	1.082	1.315
C785	DIBENZO(A,H)ANTHRACENE	19B	278	2201	50	22180	1.084	1.220
C790	BENZO(GHI)PERYLENE	8B	276	2241	50	24170	1.104	1.329
C310	N-NITROSODIMETHYLAMINE	41B	74	152	50	28915	0.297	1.043
C710	BENZIDINE	4B	184	1563	50	10020	0.874	0.349
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	482	50	53433	0.941	1.928
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	543	50	24706	1.061	0.892
C647	CARBAZOLE		167	1356	50	36812	1.036	0.907
C320	ANILINE		93	467	50	59655	0.912	2.153
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	1179	50	56427	0.901	1.390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03/17/93 8:49:00
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CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: ES0317C02 #1
CALI: ES0317C02 #3
SCANS 200 TO 1350
100.0
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515
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736
860
1151
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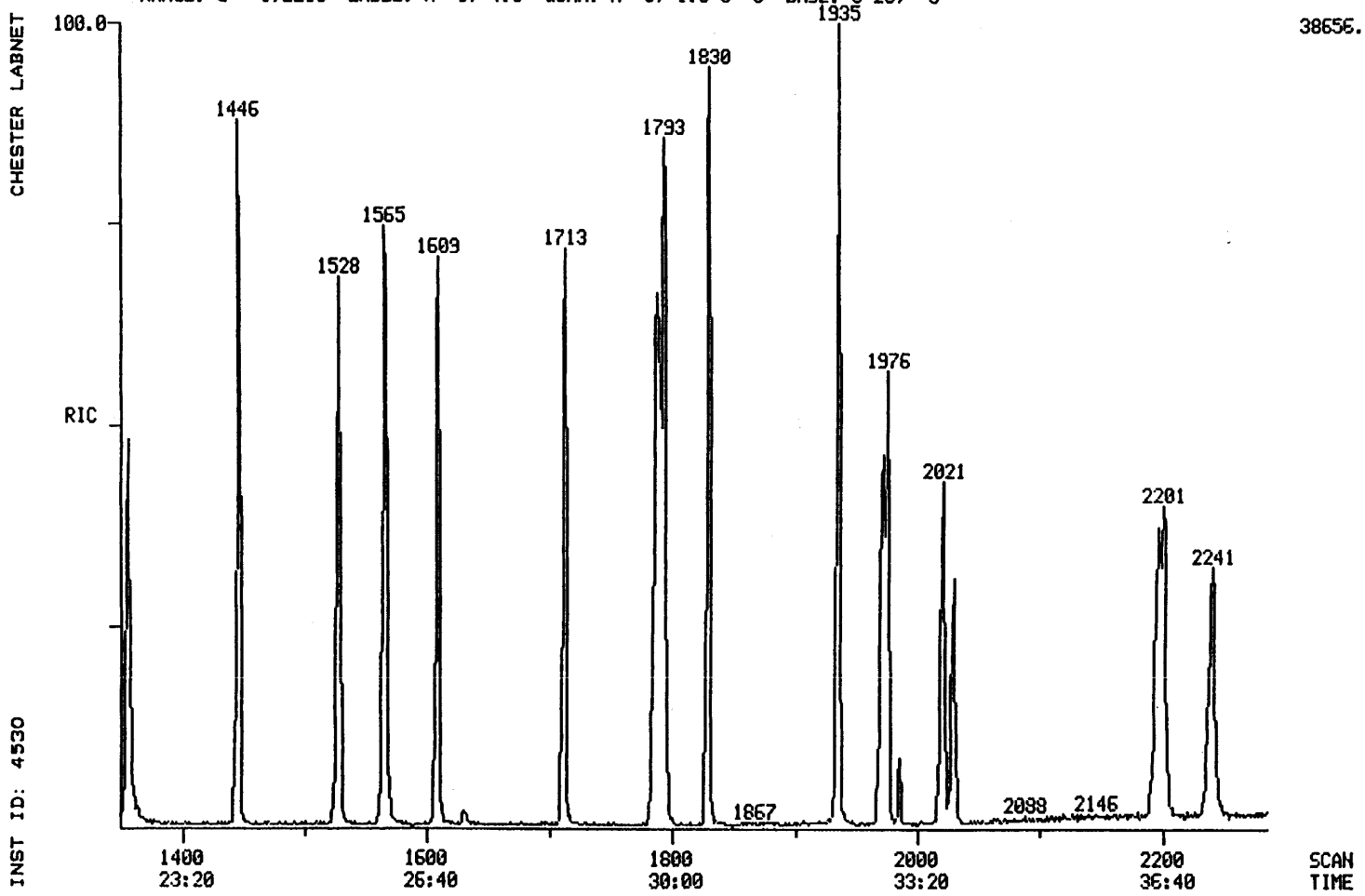
319
660
695
776
1082
1313
1237
975
429
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

011277

RIC
03/17/93 8:49:00
SAMPLE: SSTD050
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: ES0317C02 #1
CALI: ES0317C02 #3

SCANS 1350 TO 2285



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Quantitation Report File: ES0317C02

Data: ES0317C02.TI
03/17/93 8:49:00
Sample: SSTD050
Conds.: ---
Formula: 03/11/93 Instrument: 4530 Weight: 1.000
Submitted by: CHESTER Analyst: SC Acct. No.: --

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI30	1,4-DICHLOROBENZENE-D4 ** IS1**	
2	CI40	NAPHTHALENE-D8 ** IS2 **	
3	CI50	ACENAPHTHENE-D10 ** IS3 **	
4	CI60	PHENANTHRENE-D10 ** IS4 **	
5	CI70	CHRYSENE-D12 ** IS5 **	
6	CI75	PERYLENE-D12 ** IS6 **	
7	CS50	2-FLUOROPHENOL ** SU1 **	
8	CS45	PHENOL-D5 ** SU2 **	
9	CS55	2,4,6-TRIBROMOPHENOL ** SU5 **	
10	CS20	NITROBENZENE-D5 ** SU3 **	
11	CS25	2-FLUOROBIPHENYL **SU4 **	
12	CS30	TERPHENYL-D14 ** SU6 **	
13	C315	PHENOL	10A
14	C325	BIS(2-CHLOROETHYL)ETHER	11B
15	C330	2-CHLOROPHENOL	1A
16	C335	1,3-DICHLOROBENZENE	21B
17	C340	1,4-DICHLOROBENZENE	22B
18	C345	BENZYL ALCOHOL	
19	C350	1,2-DICHLOROBENZENE	20B
20	C355	2-METHYLPHENOL	
21	C357	2,2'-OXYBIS(1-CHLOROPROPANE)	
22	C365	4-METHYLPHENOL	
23	C370	N-NITROSODIPROPYLAMINE	42B
24	C375	HEXACHLOROETHANE	36B
25	C410	NITROBENZENE	40B
26	C415	ISOPHORONE	38B
27	C420	2-NITROPHENOL	6A
28	C425	2,4-DIMETHYLPHENOL	3A
29	C430	BENZOIC ACID	
30	C435	BIS(2-CHLOROETHOXY)METHANE	10B
31	C440	2,4-DICHLOROPHENOL	2A
32	C445	1,2,4-TRICHLOROBENZENE	46B
33	C450	NAPHTHALENE	39B
34	C455	4-CHLOROANILINE	
35	C460	HEXACHLOROBUTADIENE	34B
36	C465	P-CHLORO-M-CRESOL	8A
37	C470	2-METHYLNAPHTHALENE	
38	C510	HEXACHLOROCYCLOPENTADIENE	35B
39	C515	2,4,6-TRICHLOROPHENOL	11A
40	C520	2,4,5-TRICHLOROPHENOL	
41	C525	2-CHLORONAPHTHALENE	16B
42	C530	2-NITROANILINE	
43	C535	DIMETHYL PHTHALATE	25B
44	C540	ACENAPHTHYLENE	2B
45	C545	3-NITROANILINE	
46	C550	ACENAPHTHENE	1B
47	C555	2,4-DINITROPHENOL	5A

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No	Name		
48	C560	4-NITROPHENOL	7A
49	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	512	8:32	1	1.000	A BB	22168.	40.000 UG/L	0.95
2	136	732	12:12	2	1.000	A BB	68405.	40.000 UG/L	0.95
3	164	1047	17:27	3	1.000	A BB	30445.	40.000 UG/L	0.95
4	188	1309	21:49	4	1.000	A BB	32485.	40.000 UG/L	0.95
5	240	1789	29:49	5	1.000	A BB	22962.	40.000 UG/L	0.95
6	264	2030	33:50	6	1.000	A BB	14549.	40.000 UG/L	0.95
7	112	319	5:19	1	0.623	A BB	46080.	50.000 UG/L	1.19
8	99	478	7:58	1	0.934	A BV	48773.	50.000 UG/L	1.19
9	330	1191	19:51	3	1.138	A BB	3459.	50.000 UG/L	1.19
10	82	612	10:12	2	0.836	A BB	32545.	50.000 UG/L	1.19
11	172	935	15:35	3	0.893	A BB	58260.	50.000 UG/L	1.19
12	244	1609	26:49	5	0.899	A BB	36691.	50.000 UG/L	1.19
13	94	480	8:00	1	0.937	A BB	46971.	50.000 UG/L	1.19
14	93	482	8:02	1	0.941	A VB	42893.	50.000 UG/L	1.19
15	128	484	8:04	1	0.945	A BB	38409.	50.000 UG/L	1.19
16	146	505	8:25	1	0.986	A BV	41061.	50.000 UG/L	1.19
17	146	515	8:35	1	1.006	A VB	43304.	50.000 UG/L	1.19
18	108	547	9:07	1	1.068	A BB	20052.	50.000 UG/L	1.19
19	146	545	9:05	1	1.064	A BB	40691.	50.000 UG/L	1.19
20	108	578	9:38	1	1.129	A BB	34561.	50.000 UG/L	1.19
21	45	576	9:36	1	1.125	A BB	33392.	50.000 UG/L	1.19
22	108	605	10:05	1	1.182	A BB	33103.	50.000 UG/L	1.19
23	70	600	10:00	1	1.172	A BB	21123.	50.000 UG/L	1.19
24	117	597	9:57	1	1.166	A BB	15461.	50.000 UG/L	1.19
25	77	615	10:15	2	0.840	A VB	31879.	50.000 UG/L	1.19
26	82	660	11:00	2	0.902	A BV	64122.	50.000 UG/L	1.19
27	139	671	11:11	2	0.917	A BB	18283.	50.000 UG/L	1.19
28	107	695	11:35	2	0.949	A BB	26419.	50.000 UG/L	1.19
29	122	730	12:10	2	0.997	A BV	17707.	50.000 UG/L	1.19
30	93	708	11:48	2	0.967	A BB	37240.	50.000 UG/L	1.19
31	162	717	11:57	2	0.980	A BB	24587.	50.000 UG/L	1.19
32	180	728	12:08	2	0.995	A BB	26473.	50.000 UG/L	1.19
33	128	736	12:16	2	1.005	A BB	88219.	50.000 UG/L	1.19
34	127	756	12:36	2	1.033	A BB	37261.	50.000 UG/L	1.19
35	225	776	12:56	2	1.060	A BB	11477.	50.000 UG/L	1.19
36	107	855	14:15	2	1.168	A BB	23483.	50.000 UG/L	1.19
37	142	860	14:20	2	1.175	A VB	67440.	50.000 UG/L	1.19
38	237	905	15:05	3	0.864	A BB	12475.	50.000 UG/L	1.19
39	196	921	15:21	3	0.880	A BV	15336.	50.000 UG/L	1.19
40	196	927	15:27	3	0.885	A VB	18663.	50.000 UG/L	1.19
41	162	945	15:45	3	0.903	A BB	51285.	50.000 UG/L	1.19
42	65	975	16:15	3	0.931	A BB	13308.	50.000 UG/L	1.19
43	163	1021	17:01	3	0.975	A BB	52454.	50.000 UG/L	1.19
44	152	1018	16:58	3	0.972	A BB	81119.	50.000 UG/L	1.19
45	138	1050	17:30	3	1.003	A BV	13798.	50.000 UG/L	1.19
46	153	1053	17:33	3	1.006	A BB	39094.	50.000 UG/L	1.19
47	184	1069	17:49	3	1.021	A BB	6317.	50.000 UG/L	1.19
48	109	1096	18:16	3	1.047	A BB	5209.	50.000 UG/L	1.19
49	168	1082	18:02	3	1.033	A BB	59698.	50.000 UG/L	1.19
50	165	1097	18:17	3	1.048	A BB	13766.	50.000 UG/L	1.19

011281

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	8:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	12:12	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	17:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	21:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	29:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	33:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:19	1.00	0.623	1.00	50.00	50.00	1.663	1.663	1.00
8	7:58	1.00	0.934	1.00	50.00	50.00	1.760	1.760	1.00
9	19:51	1.00	1.138	1.00	50.00	50.00	0.091	0.091	1.00
10	10:12	1.00	0.836	1.00	50.00	50.00	0.381	0.381	1.00
11	15:35	1.00	0.893	1.00	50.00	50.00	1.531	1.531	1.00
12	26:49	1.00	0.899	1.00	50.00	50.00	1.278	1.278	1.00
13	8:00	1.00	0.937	1.00	50.00	50.00	1.695	1.695	1.00
14	8:02	1.00	0.941	1.00	50.00	50.00	1.548	1.548	1.00
15	8:04	1.00	0.945	1.00	50.00	50.00	1.386	1.386	1.00
16	8:25	1.00	0.986	1.00	50.00	50.00	1.482	1.482	1.00
17	8:35	1.00	1.006	1.00	50.00	50.00	1.563	1.563	1.00
18	9:07	1.00	1.068	1.00	50.00	50.00	0.724	0.724	1.00
19	9:05	1.00	1.064	1.00	50.00	50.00	1.468	1.468	1.00
20	9:38	1.00	1.129	1.00	50.00	50.00	1.247	1.247	1.00
21	9:36	1.00	1.125	1.00	50.00	50.00	1.205	1.205	1.00
22	10:05	1.00	1.182	1.00	50.00	50.00	1.195	1.195	1.00
23	10:00	1.00	1.172	1.00	50.00	50.00	0.762	0.762	1.00
24	9:57	1.00	1.166	1.00	50.00	50.00	0.558	0.558	1.00
25	10:15	1.00	0.840	1.00	50.00	50.00	0.373	0.373	1.00
26	11:00	1.00	0.902	1.00	50.00	50.00	0.750	0.750	1.00
27	11:11	1.00	0.917	1.00	50.00	50.00	0.214	0.214	1.00
28	11:35	1.00	0.949	1.00	50.00	50.00	0.309	0.309	1.00
29	12:10	1.00	0.997	1.00	50.00	50.00	0.207	0.207	1.00
30	11:48	1.00	0.967	1.00	50.00	50.00	0.436	0.436	1.00
31	11:57	1.00	0.980	1.00	50.00	50.00	0.288	0.288	1.00
32	12:08	1.00	0.995	1.00	50.00	50.00	0.310	0.310	1.00
33	12:16	1.00	1.005	1.00	50.00	50.00	1.032	1.032	1.00
34	12:36	1.00	1.033	1.00	50.00	50.00	0.436	0.436	1.00
35	12:56	1.00	1.060	1.00	50.00	50.00	0.134	0.134	1.00
36	14:15	1.00	1.168	1.00	50.00	50.00	0.275	0.275	1.00
37	14:20	1.00	1.175	1.00	50.00	50.00	0.789	0.789	1.00
38	15:05	1.00	0.864	1.00	50.00	50.00	0.328	0.328	1.00
39	15:21	1.00	0.880	1.00	50.00	50.00	0.403	0.403	1.00
40	15:27	1.00	0.885	1.00	50.00	50.00	0.490	0.490	1.00
41	15:45	1.00	0.903	1.00	50.00	50.00	1.348	1.348	1.00
42	16:15	1.00	0.931	1.00	50.00	50.00	0.350	0.350	1.00
43	17:01	1.00	0.975	1.00	50.00	50.00	1.378	1.378	1.00
44	16:58	1.00	0.972	1.00	50.00	50.00	2.132	2.132	1.00
45	17:30	1.00	1.003	1.00	50.00	50.00	0.363	0.363	1.00
46	17:33	1.00	1.006	1.00	50.00	50.00	1.027	1.027	1.00
47	17:49	1.00	1.021	1.00	50.00	50.00	0.166	0.166	1.00
48	18:16	1.00	1.047	1.00	50.00	50.00	0.137	0.137	1.00
49	18:02	1.00	1.033	1.00	50.00	50.00	1.569	1.569	1.00
50	18:17	1.00	1.048	1.00	50.00	50.00	0.362	0.362	1.00

011281

011282

Quantitation Report File: ES0317C02

Data: ES0317C02.TI
03/17/93 8:49:00
Sample: SSTD050
Conds.: ---
Formula: 03/11/93 Instrument: 4530 Weight: 1.000
Submitted by: CHESTER Analyst: SC Acct. No.: --

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
51	C543	2,6-DINITROTOLUENE	28B
52	C580	DIETHYL PHTHALATE	24B
53	C585	4-CHLOROPHENYL PHENYL ETHER	17B
54	C590	FLUORENE	32B
55	C595	4-NITROANILINE	
56	C610	4,6-DINITRO-2-METHYLPHENOL	4A
57	C615	N-NITROSODIPHENYLAMINE	43B
58	C625	4-BROMOPHENYL PHENYL ETHER	14B
59	C630	HEXACHLOROBENZENE	33B
60	C635	PENTACHLOROPHENOL	9A
61	C640	PHENANTHRENE	44B
62	C645	ANTHRACENE	3B
63	C650	DI-N-BUTYL PHTHALATE	26B
64	C655	FLUORANTHENE	31B
65	C715	PYRENE	45B
66	C720	BUTYL BENZYL PHTHALATE	15B
67	C725	3,3'-DICHLOROBENZIDINE	23B
68	C730	BENZO(A)ANTHRACENE	5B
69	C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B
70	C740	CHRYSENE	18B
71	C760	DI-N-OCTYL PHTHALATE	29B
72	C765	BENZO(B)FLUORANTHENE	7B
73	C770	BENZO(K)FLUORANTHENE	9B
74	C775	BENZO(A)PYRENE	6B
75	C780	INDENO(1,2,3-CD)PYRENE	37B
76	C785	DIBENZO(A,H)ANTHRACENE	19B
77	C790	BENZO(GHI)PERYLENE	8B
78	C310	N-NITROSODIMETHYLAMINE	41B
79	C710	BENZIDINE	4B
80	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
81	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
82	C647	CARBAZOLE	
83	C320	ANILINE	
84	A950	PYRIDINE	
85	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	1028	17:08	3	0.982	A BB	13129.	50.000 UG/L	1.19
52	149	1151	19:11	3	1.099	A BB	43864.	50.000 UG/L	1.19
53	204	1152	19:12	3	1.100	A BB	19200.	50.000 UG/L	1.19
54	166	1144	19:04	3	1.093	A BB	41324.	50.000 UG/L	1.19
55	138	1161	19:21	3	1.109	A BB	8093.	50.000 UG/L	1.19
56	198	1170	19:30	4	0.894	A BB	6352.	50.000 UG/L	1.19
57	169	1176	19:36	4	0.898	A BB	27462.	50.000 UG/L	1.19
58	248	1237	20:37	4	0.945	A BB	7999.	50.000 UG/L	1.19

011283

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
59	284	1258	20:58	4	0.961	A BB	7914.	50.000 UG/L	1.19
60	266	1293	21:33	4	0.988	A BB	4329.	50.000 UG/L	1.19
61	178	1313	21:53	4	1.003	A BV	46908.	50.000 UG/L	1.19
62	178	1321	22:01	4	1.009	A VB	47491.	50.000 UG/L	1.19
63	149	1446	24:06	4	1.105	A BB	59924.	50.000 UG/L	1.19
64	202	1528	25:28	4	1.167	A BB	41890.	50.000 UG/L	1.19
65	202	1565	26:05	5	0.875	A BB	43155.	50.000 UG/L	1.19
66	149	1713	28:33	5	0.958	A BB	24040.	50.000 UG/L	1.19
67	252	1792	29:52	5	1.002	A BB	10354.	50.000 UG/L	1.19
68	228	1786	29:46	5	0.998	A BV	38086.	50.000 UG/L	1.19
69	149	1830	30:30	5	1.023	A BB	31992.	50.000 UG/L	1.19
70	228	1794	29:54	5	1.003	A VB	32150.	50.000 UG/L	1.19
71	149	1935	32:15	6	0.953	A BB	60759.	50.000 UG/L	1.19
72	252	1972	32:52	6	0.971	M XX	30136.	50.000 UG/L	1.19
73	252	1976	32:56	6	0.973	M XX	24244.	50.000 UG/L	1.19
74	252	2021	33:41	6	0.996	A BB	23390.	50.000 UG/L	1.19
75	276	2196	36:36	6	1.082	M XX	23912.	50.000 UG/L	1.19
76	278	2201	36:41	6	1.084	A BB	22180.	50.000 UG/L	1.19
77	276	2241	37:21	6	1.104	A BB	24170.	50.000 UG/L	1.19
78	74	152	2:32	1	0.297	A BB	28915.	50.000 UG/L	1.19
79	184	1563	26:03	5	0.874	A BB	10020.	50.000 UG/L	1.19
80	132	482	8:02	1	0.941	A BB	53433.	50.000 UG/L	1.19
81	152	543	9:03	1	1.061	A BB	24706.	50.000 UG/L	1.19
82	167	1356	22:36	4	1.036	A BB	36812.	50.000 UG/L	1.19
83	93	467	7:47	1	0.912	A BV	59655.	50.000 UG/L	1.19
84	79	154	2:34	1	0.301	A BB	49979.	50.000 UG/L	1.19
85	77	1179	19:39	4	0.901	A VB	56427.	50.000 UG/L	1.19

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	17:08	1.00	0.982	1.00	50.00	50.00	0.345	0.345	1.00
52	19:11	1.00	1.099	1.00	50.00	50.00	1.153	1.153	1.00
53	19:12	1.00	1.100	1.00	50.00	50.00	0.505	0.505	1.00
54	19:04	1.00	1.093	1.00	50.00	50.00	1.086	1.086	1.00
55	19:21	1.00	1.109	1.00	50.00	50.00	0.213	0.213	1.00
56	19:30	1.00	0.894	1.00	50.00	50.00	0.156	0.156	1.00
57	19:36	1.00	0.898	1.00	50.00	50.00	0.676	0.676	1.00
58	20:37	1.00	0.945	1.00	50.00	50.00	0.197	0.197	1.00
59	20:58	1.00	0.961	1.00	50.00	50.00	0.195	0.195	1.00
60	21:33	1.00	0.988	1.00	50.00	50.00	0.107	0.107	1.00
61	21:53	1.00	1.003	1.00	50.00	50.00	1.155	1.155	1.00
62	22:01	1.00	1.009	1.00	50.00	50.00	1.170	1.170	1.00
63	24:06	1.00	1.105	1.00	50.00	50.00	1.476	1.476	1.00
64	25:28	1.00	1.167	1.00	50.00	50.00	1.032	1.032	1.00
65	26:05	1.00	0.875	1.00	50.00	50.00	1.504	1.504	1.00
66	28:33	1.00	0.958	1.00	50.00	50.00	0.838	0.838	1.00
67	29:52	1.00	1.002	1.00	50.00	50.00	0.361	0.361	1.00
68	29:46	1.00	0.998	1.00	50.00	50.00	1.327	1.327	1.00
69	30:30	1.00	1.023	1.00	50.00	50.00	1.115	1.115	1.00
70	29:54	1.00	1.003	1.00	50.00	50.00	1.120	1.120	1.00
71	32:15	1.00	0.953	1.00	50.00	50.00	3.341	3.341	1.00
72	32:52	1.00	0.971	1.00	50.00	50.00	1.657	1.657	1.00
73	32:56	1.00	0.973	1.00	50.00	50.00	1.333	1.333	1.00
74	33:41	1.00	0.996	1.00	50.00	50.00	1.286	1.286	1.00
75	36:36	1.00	1.082	1.00	50.00	50.00	1.315	1.315	1.00
76	36:41	1.00	1.084	1.00	50.00	50.00	1.220	1.220	1.00
77	37:21	1.00	1.104	1.00	50.00	50.00	1.329	1.329	1.00

011283

011284

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
78	2:32	1.00	0.297	1.00	50.00	50.00	1.043	1.043	1.00
79	26:03	1.00	0.874	1.00	50.00	50.00	0.349	0.349	1.00
80	8:02	1.00	0.941	1.00	50.00	50.00	1.928	1.928	1.00
81	9:03	1.00	1.061	1.00	50.00	50.00	0.892	0.892	1.00
82	22:36	1.00	1.036	1.00	50.00	50.00	0.907	0.907	1.00
83	7:47	1.00	0.912	1.00	50.00	50.00	2.153	2.153	1.00
84	2:34	1.00	0.301	1.00	50.00	50.00	1.804	1.804	1.00
85	19:39	1.00	0.901	1.00	50.00	50.00	1.390	1.390	1.00

011285

THE FOLLOWING DATA IS

FOR QA/QC

011286

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10) MS

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310106 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C06
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	67	210
C740	CHRYSENE	67	160
C765	BENZO(B)FLUORANTHENE	67	180
C770	BENZO(K)FLUORANTHENE	67	110
C775	BENZO(A)PYRENE	67	130
C780	INDENO(1,2,3-CD)PYRENE	67	70
C785	DIBENZO(A,H)ANTHRACENE	67	31 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

Spike AMT?

011287

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10) MS

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: KEYSTONE
LAB SAMPLE ID NO.: 920310106
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C06

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	67 U	
C540	ACENAPHTHYLENE	67	9 J
C550	ACENAPHTHENE	67 U	
C590	FLUORENE	67	11 J
C640	PHENANTHRENE	67	260
C645	ANTHRACENE	67	70
C655	FLUORANTHENE	67	390
C715	PYRENE	67	370
C730	BENZO(A)ANTHRACENE	67	210
C740	CHRYSENE	67	160
C765	BENZO(B)FLUORANTHENE	67	180
C770	BENZO(K)FLUORANTHENE	67	110
C775	BENZO(A)PYRENE	67	130
C780	INDENO(1,2,3-CD)PYRENE	67	70
C785	DIBENZO(A,H)ANTHRACENE	67	31 J
C790	BENZO(GHI)PERYLENE	67	77

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000338

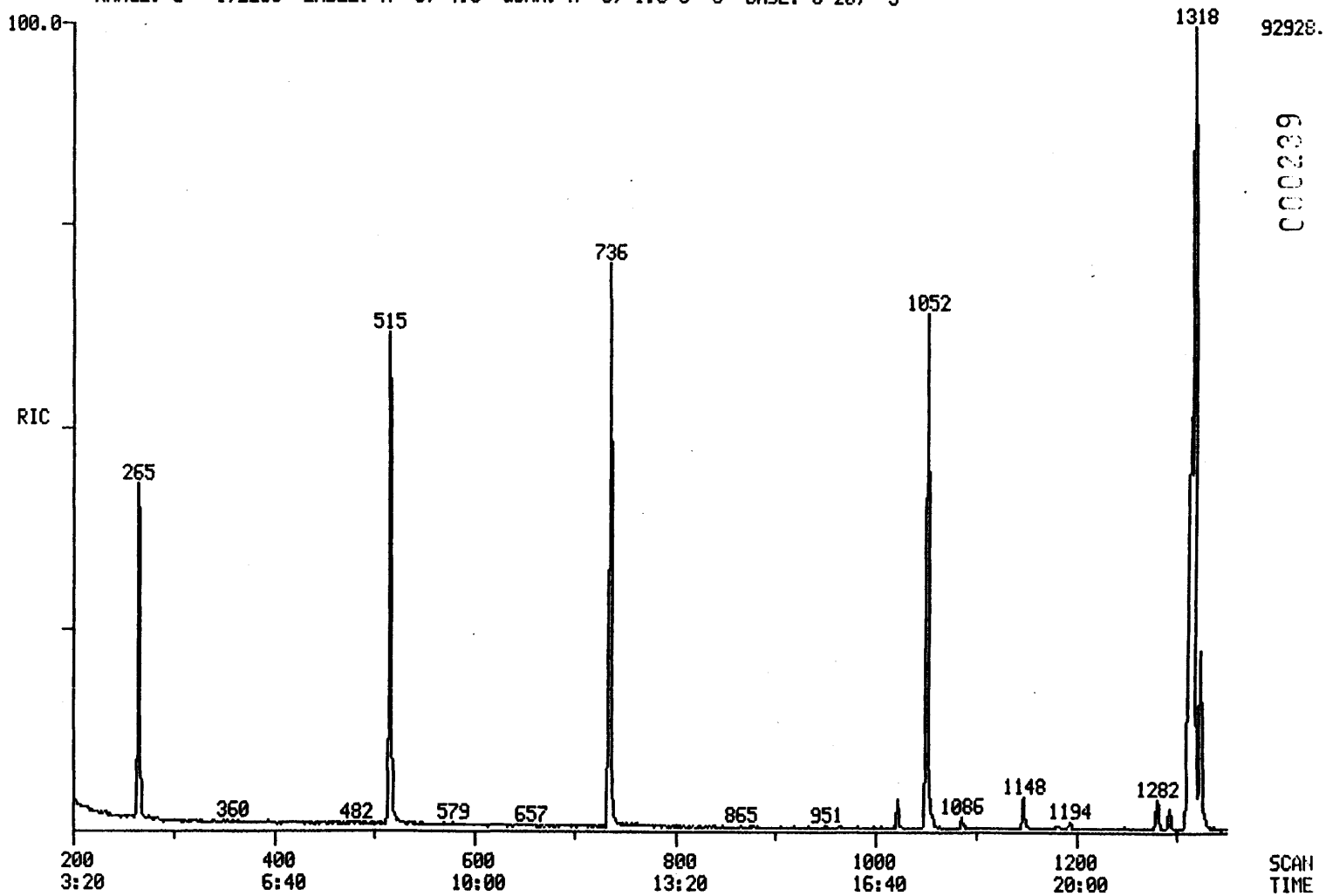
RIC
03/16/93 13:47:00
SAMPLE: SC-PW 2 (+10) MS
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C06 #1
CALI: 4U03101C06 #3

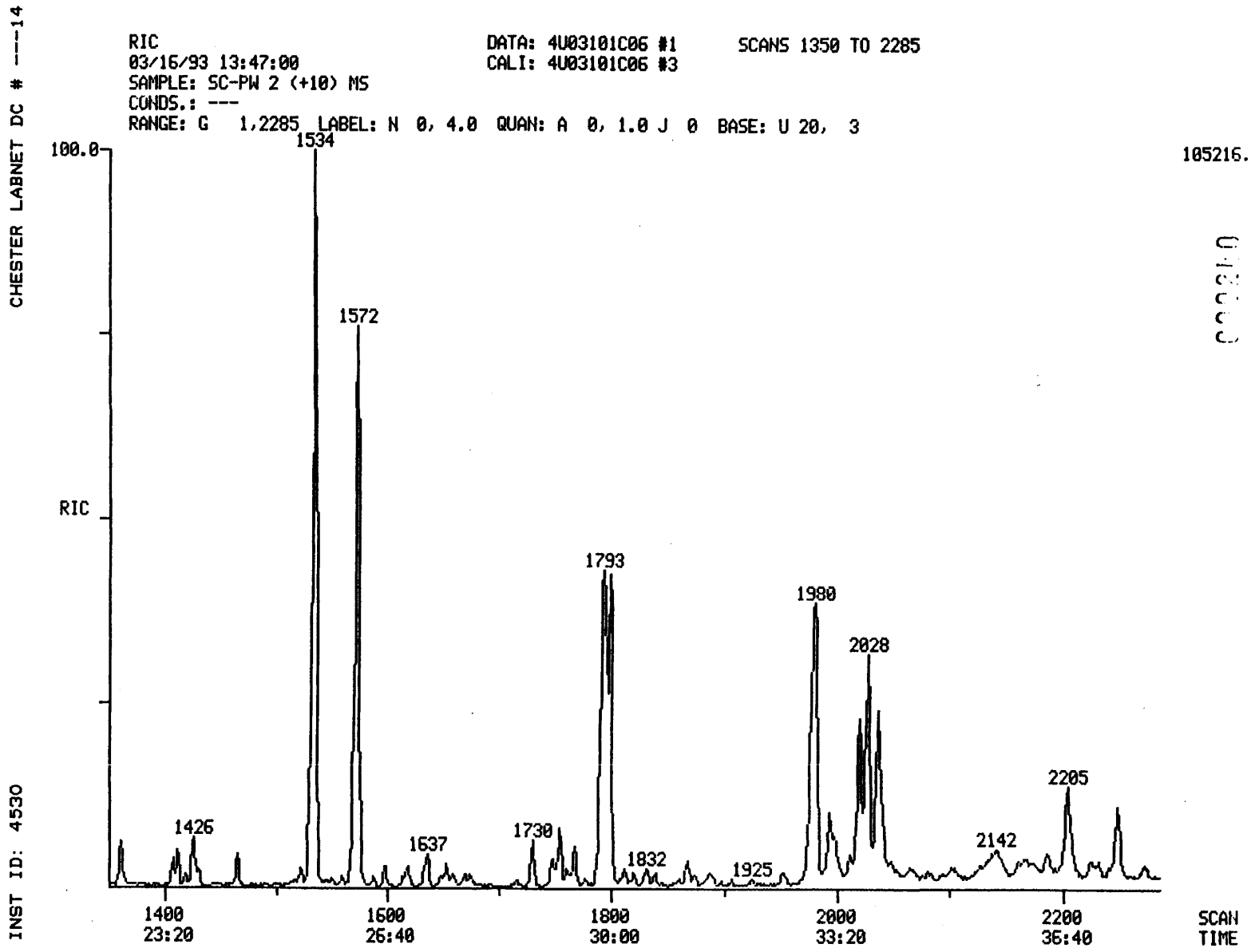
SCANS 200 TO 1350

CHESTER LABNET DC # ---14

INST ID: 4530



011288


CHESTER LABNET DC # ---14
RIC
03/16/93 13:47:00
SAMPLE: SC-PW 2 (+10) MS
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C06 #1
CALI: 4U03101C06 #3
SCANS 1350 TO 2285
100.0
RIC
105216.
1534
1572
1426
1637
1730
1793
1832
1925
1980
2028
2142
2205
1400
23:20
1600
26:40
1800
30:00
2000
33:20
2200
36:40
SCAN
TIME
INST ID: 4530

011289

011290

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 2 (+10) MS		
FILENAME	4U03101C06	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 13:47:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
515	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	134 MG/KG	1.000	2869
736	CI40	NAPHTHALENE-D8 ** IS2 **	136	134 MG/KG	1.000	8613
1051	CI50	ACENAPHTHENE-D10 ** IS3 **	164	134 MG/KG	1.000	5253
1314	CI60	PHENANTHRENE-D10 ** IS4 **	188	134 MG/KG	1.000	6007
1795	CI70	CHRYSENE-D12 ** IS5 **	240	134 MG/KG	1.000	3503
2036	CI75	PERYLENE-D12 ** IS6 **	264	134 MG/KG	1.000	3285
1023	C540	ACENAPHTHYLENE	152	9 MG/KG	0.973	669
1148	C590	FLUORENE	166	11 MG/KG	1.092	478
1318	C640	PHENANTHRENE	178	264 MG/KG	1.003	13434
1326	C645	ANTHRACENE	178	70 MG/KG	1.009	3618
1534	C655	FLUORANTHENE	202	394 MG/KG	1.167	17647
1572	C715	PYRENE	202	369 MG/KG	0.876	13340
1792	C730	BENZO(A)ANTHRACENE	228	211 MG/KG	0.998	7199
1799	C740	CHRYSENE	228	160 MG/KG	1.002	5058
1979	C765	BENZO(B)FLUORANTHENE	252	182 MG/KG	0.972	6555
1980	C770	BENZO(K)FLUORANTHENE	252	106 MG/KG	0.972	4273
2028	C775	BENZO(A)PYRENE	252	131 MG/KG	0.996	4211
2204	C780	INDENO(1,2,3-CD)PYRENE	276	70 MG/KG	1.083	2229
2207	C785	DIBENZO(A,H)ANTHRACENE	278	31 MG/KG	1.084	743
2249	C790	BENZO(GHI)PERYLENE	276	77 MG/KG	1.105	1941

*SURROGATES WERE DILUTED OUT

011291

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10) MSD

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310107 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C07
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	67	200
C740	CHRYSENE	67	170
C765	BENZO(B)FLUORANTHENE	67	170
C770	BENZO(K)FLUORANTHENE	67	89
C775	BENZO(A)PYRENE	67	120
C780	INDENO(1,2,3-CD)PYRENE	67	80
C785	DIBENZO(A,H)ANTHRACENE	67	41 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

INST ID: 4530 SAMPLE NUMBER: SC-PW 2 (+10) MSD

011292

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: KEYSTONE
LAB SAMPLE ID NO.: 920310107
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 03/11/93

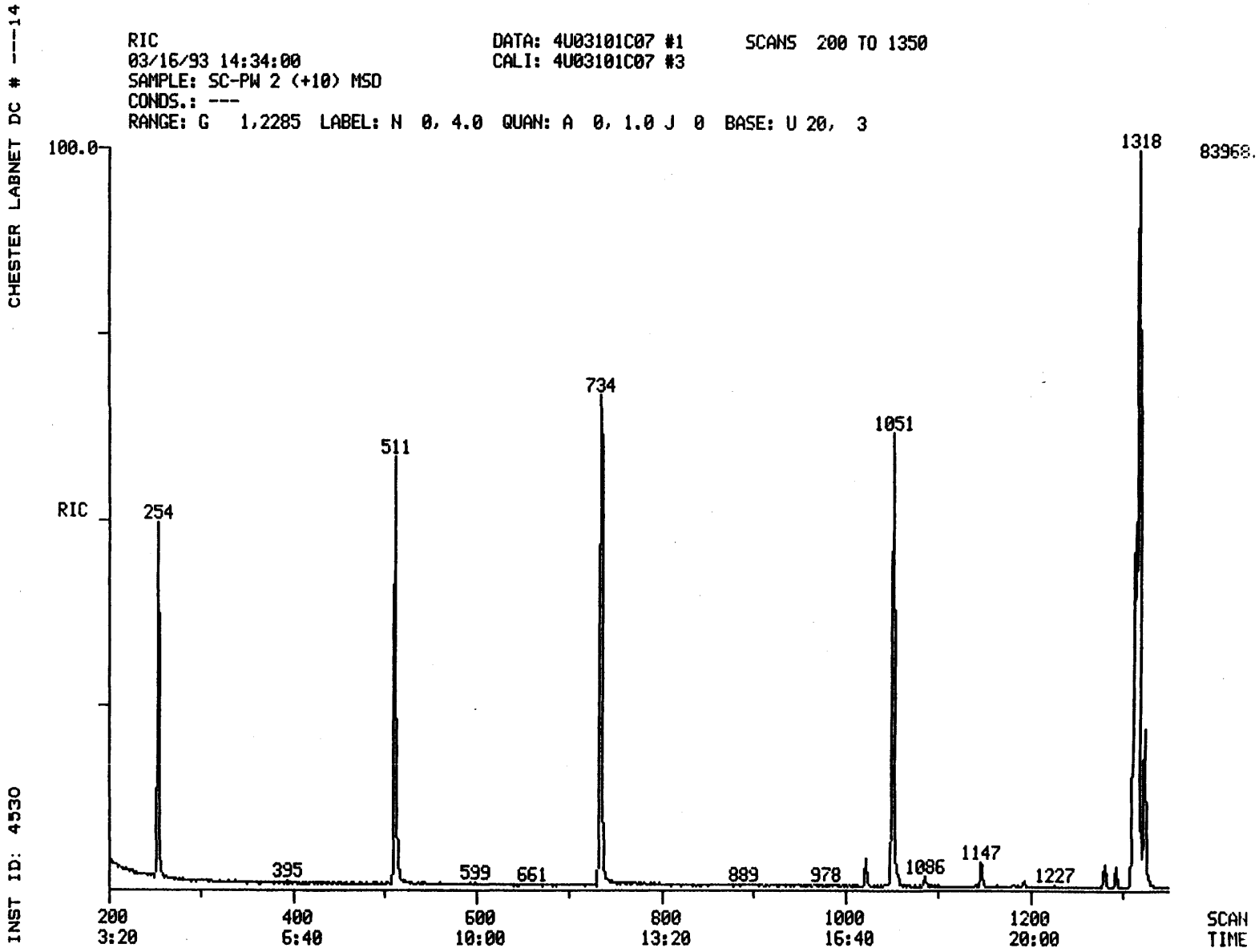
SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C07

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	67 U	
C540	ACENAPHTHYLENE	67	8 J
C550	ACENAPHTHENE	67 U	
C590	FLUORENE	67	9 J
C640	PHENANTHRENE	67	270
C645	ANTHRACENE	67	72
C655	FLUORANTHENE	67	490
C715	PYRENE	67	440
C730	BENZO(A)ANTHRACENE	67	200
C740	CHRYSENE	67	170
C765	BENZO(B)FLUORANTHENE	67	170
C770	BENZO(K)FLUORANTHENE	67	89
C775	BENZO(A)PYRENE	67	120
C780	INDENO(1,2,3-CD)PYRENE	67	80
C785	DIBENZO(A,H)ANTHRACENE	67	41 J
C790	BENZO(GHI)PERYLENE	67	95

U : UNDETECTED AT THE LISTED DETECTION LIMIT
J : COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/16/93 14:34:00
SAMPLE: SC-PW 2 (+10) MSD
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C07 #1
CALI: 4U03101C07 #3
SCANS 200 TO 1350
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RIC
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978
1051
1086
1147
1227
1318
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

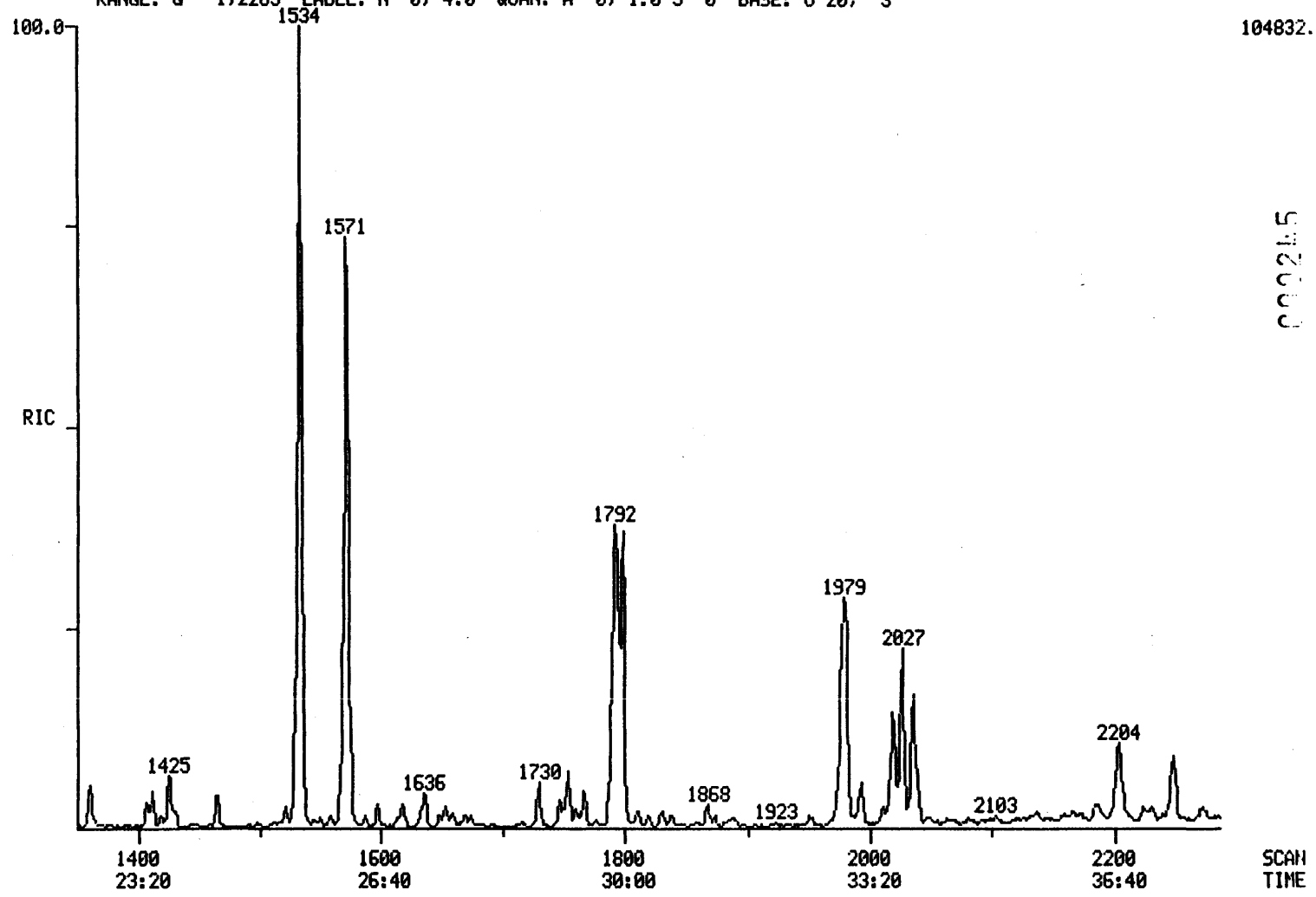
011293

CHESTER LABNET DC # ---14

RIC
03/16/93 14:34:00
SAMPLE: SC-PW 2 (+10) MSD
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C07 #1
CALI: 4U03101C07 #3

SCANS 1350 TO 2285



INST ID: 4530

011294

011295

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SC-PW 2 (+10) MSD		
FILENAME	4U03101C07	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 14:34:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
511	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	134 MG/KG	1.000	2336
734	CI40	NAPHTHALENE-D8 ** IS2 **	136	134 MG/KG	1.000	8592
1031	CI50	ACENAPHTHENE-D10 ** IS3 **	164	134 MG/KG	1.000	4595
1313	CI60	PHENANTHRENE-D10 ** IS4 **	188	134 MG/KG	1.000	5279
1795	CI70	CHRYSENE-D12 ** IS5 **	240	134 MG/KG	1.000	3093
2036	CI75	PERYLENE-D12 ** IS6 **	264	134 MG/KG	1.000	2285
1022	C540	ACENAPHTHYLENE	152	8 MG/KG	0.972	575
1147	C590	FLUORENE	166	9 MG/KG	1.091	341
1318	C640	PHENANTHRENE	178	266 MG/KG	1.004	11855
1325	C645	ANTHRACENE	178	72 MG/KG	1.009	3277
1534	C655	FLUORANTHENE	202	487 MG/KG	1.168	19167
1571	C715	PYRENE	202	437 MG/KG	0.875	13966
1792	C730	BENZO(A)ANTHRACENE	228	204 MG/KG	0.998	6156
1799	C740	CHRYSENE	228	171 MG/KG	1.002	4781
1979	C765	BENZO(B)FLUORANTHENE	252	171 MG/KG	0.972	4303
1980	C770	BENZO(K)FLUORANTHENE	252	89 MG/KG	0.972	2489
2037	C775	BENZO(A)PYRENE	252	121 MG/KG	0.996	2704
2203	C780	INDENO(1,2,3-CD)PYRENE	276	80 MG/KG	1.082	1759
2207	C785	DIBENZO(A,H)ANTHRACENE	278	41 MG/KG	1.084	691
2248	C790	BENZO(GHI)PERYLENE	276	95 MG/KG	1.104	1656

*SURROGATES WERE DILUTED OUT

011296

INST ID: 4510 SAMPLE NUMBER: SC-PW 2 (-200) MS

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310112
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: ---
GC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/17/93

DATAFILE: 9U03101C12

DILUTION FACTOR: 10

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	100	360
C740	CHRYSENE	100	320
C765	BENZO(B)FLUORANTHENE	100	510
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	290
C780	INDENO(1,2,3-CD)PYRENE	100	240
C785	DIBENZO(A,H)ANTHRACENE	100	59 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000247

011297

INST ID: 4310 SAMPLE NUMBER: SC-PW 2 (-200) MS

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310112
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/17/93

DATAFILE: 9U03101C12
DILUTION FACTOR: 10

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	100	8 J
C540	ACENAPHTHYLENE	100	12 J
C550	ACENAPHTHENE	100	140
C590	FLUORENE	100	180
C640	PHENANTHRENE	100	830
C645	ANTHRACENE	100	210
C655	FLUORANTHENE	100	820
C715	PYRENE	100	660
C730	BENZO(A)ANTHRACENE	100	360
C740	CHRYSENE	100	320
C765	BENZO(B)FLUORANTHENE	100	510
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	290
C780	INDENO(1,2,3-CD)PYRENE	100	240
C785	DIBENZO(A,H)ANTHRACENE	100	59 J
C790	BENZO(GHI)PERYLENE	100	210

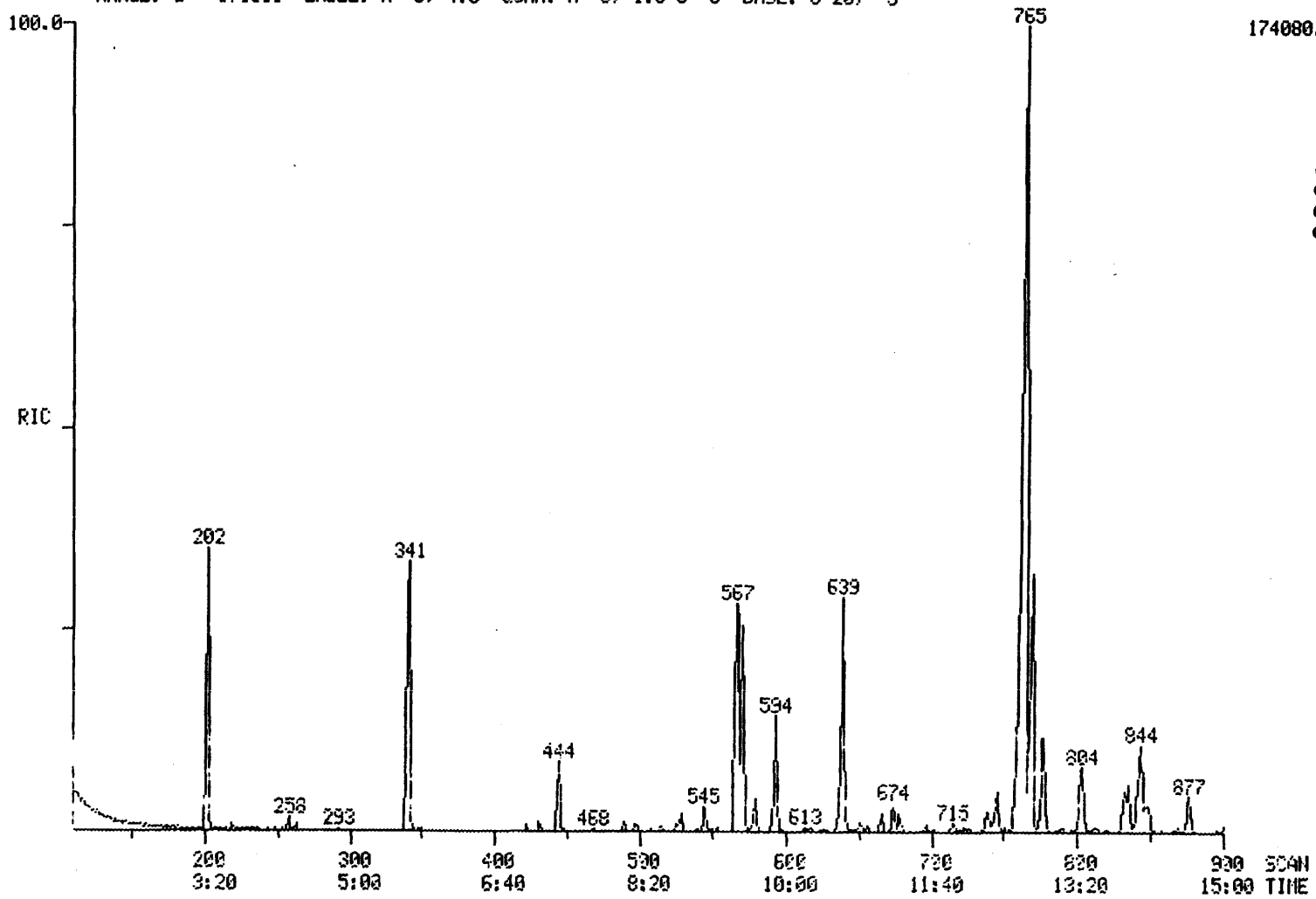
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000248

-14

RIC
03/17/93 12:34:00
SAMPLE: SC-PW 2 (-200) MS
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C12 #1 SCANS 110 TO 900
CALI: 9U03101C12 #3



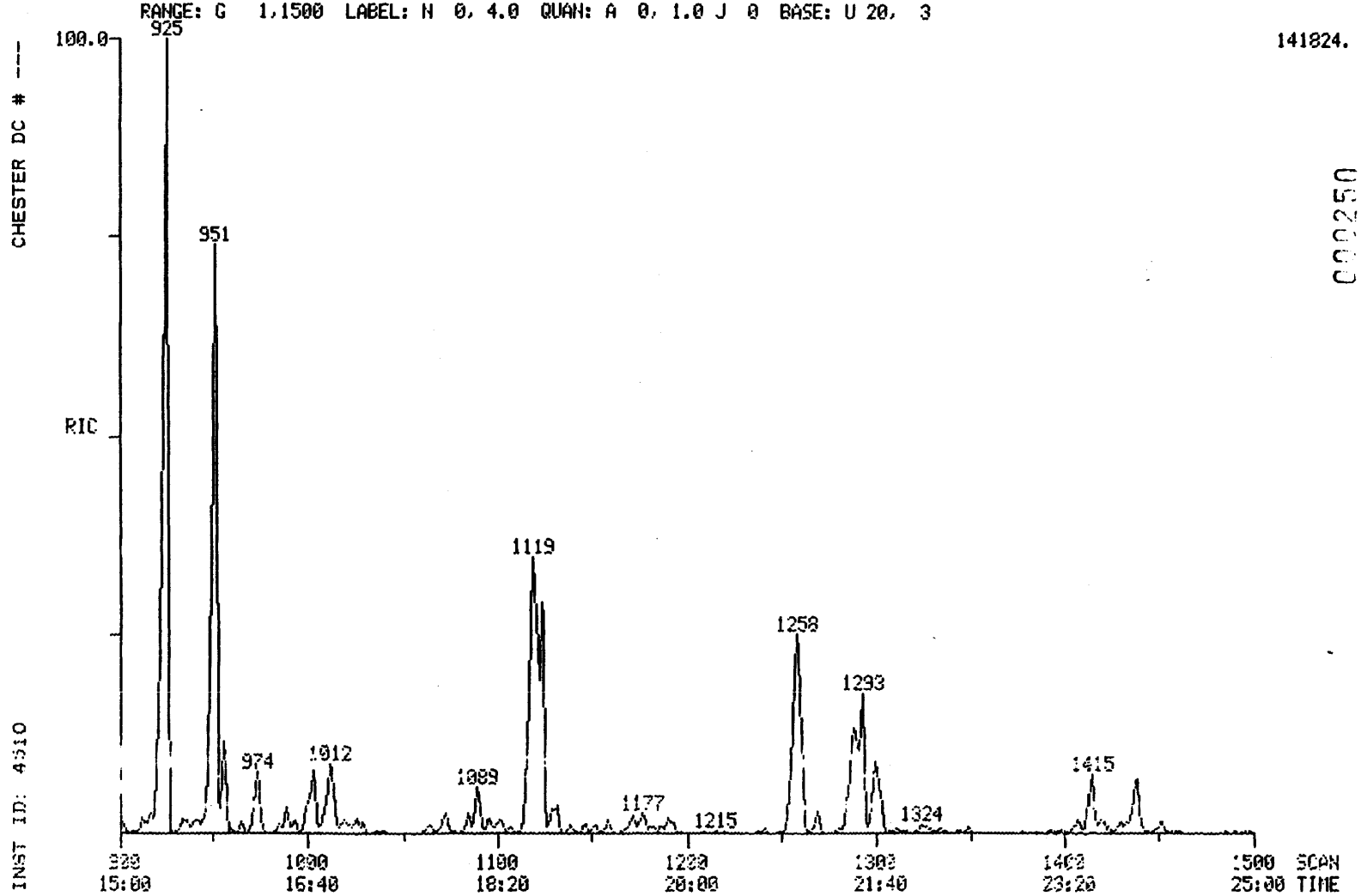
CHESTER DC # ---

INST ID: 4510

011298

RIC
03/17/93 12:34:00
SAMPLE: SC-PW 2 (-200) MS
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C12 #1 SCANS 900 TO 1500
CALI: 9U03101C12 #3



141824.

CHESTER DC # ---

INST ID: 4310

-14

000250

011299

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	SC-PW 2 (-200) MS		
FILENAME	9U03101C12	INST ID.	4510
CLIENT	DAMES &	ANALYST	JDD
DATE INJECTED	03/17/93 12:34:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	10.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
202	0130	1,4-DICHLOROBENZENE-D4 ** IS	152	200 UG/L	1.000	1867
341	0140	NAPHTHALENE-D8 ** IS2 **	136	200 UG/L	1.000	6976
567	0150	ACENAPHTHENE-D10 ** IS3 **	164	200 UG/L	1.000	3661
761	0160	PHENANTHRENE-D10 ** IS4 **	188	200 UG/L	1.000	4899
1120	0170	CHRYSENE-D12 ** IS5 **	240	200 UG/L	1.000	2241
1300	0175	PERYLENE-D12 ** IS6 **	264	200 UG/L	1.000	1342
342	0450	NAPHTHALENE	128	8 UG/L	1.003	289
545	0540	ACENAPHTHYLENE	152	12 UG/L	0.961	449
571	0550	ACENAPHTHENE	153	135 UG/L	1.007	2683
639	0590	FLUORENE	166	178 UG/L	1.127	4279
765	0640	PHENANTHRENE	178	832 UG/L	1.005	23578
770	0645	ANTHRACENE	178	211 UG/L	1.012	6318
925	0655	FLUORANTHENE	202	819 UG/L	1.216	19614
951	0715	PYRENE	202	662 UG/L	0.849	14907
1119	0730	BENZO(A)ANTHRACENE	228	360 UG/L	0.999	6029
1123	0740	CHRYSENE	228	315 UG/L	1.003	3800
1258	0765	BENZO(B)FLUORANTHENE	252	512 UG/L	0.968	6021
1293	0775	BENZO(A)PYRENE	252	291 UG/L	0.995	2383
1415	0780	INDENO(1,2,3-CD)PYRENE	276	242 UG/L	1.088	1394
1420	0785	DIBENZO(A,H)ANTHRACENE	278	59 UG/L	1.092	331
1439	0790	BENZO(GHI)PERYLENE	276	207 UG/L	1.107	1225

*SURROGATES WERE DILUTED OUT

000251

011301

INST ID: 4010 SAMPLE NUMBER: SC-PW 2 (-200) MSD

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310113 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: TB DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C13
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/17/93 DILUTION FACTOR: 10

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	100	530
C740	CHRYSENE	100	410
C765	BENZO(B)FLUORANTHENE	100	700
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	400
C780	INDENO(1,2,3-CD)PYRENE	100	330
C785	DIBENZO(A,H)ANTHRACENE	100	91 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011302

INST ID: 4510 SAMPLE NUMBER: SC-PW 2 (-200) MSD

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310113 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ..JB..... DATE SAMPLE RECEIVED: ..3/11/93....

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C13
DATE EXTRACTED: ..3/11/93.....
DATE ANALYZED: 03/17/93 DILUTION FACTOR: ....10.....

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	100	15 J
C540	ACENAPHTHYLENE	100	20 J
C550	ACENAPHTHENE	100	200
C590	FLUORENE	100	260
C640	PHENANTHRENE	100	1200
C645	ANTHRACENE	100	300
C655	FLUORANTHENE	100	1100
C715	PYRENE	100	970
C730	BENZO(A)ANTHRACENE	100	530
C740	CHRYSENE	100	410
C765	BENZO(B)FLUORANTHENE	100	700
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	400
C780	INDENO(1,2,3-CD)PYRENE	100	330
C785	DIBENZO(A,H)ANTHRACENE	100	91 J
C790	BENZO(GHI)PERYLENE	100	330

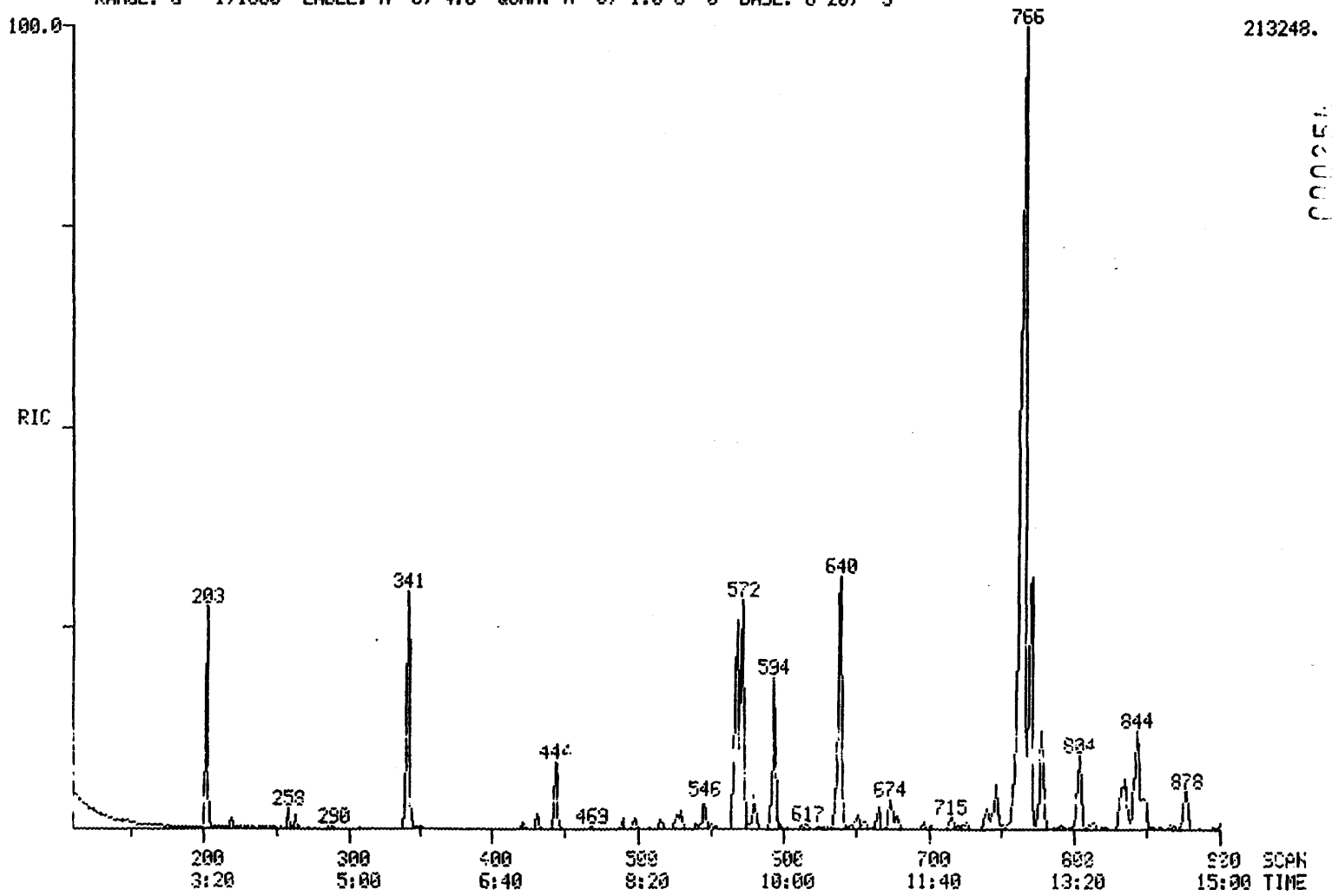
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000253

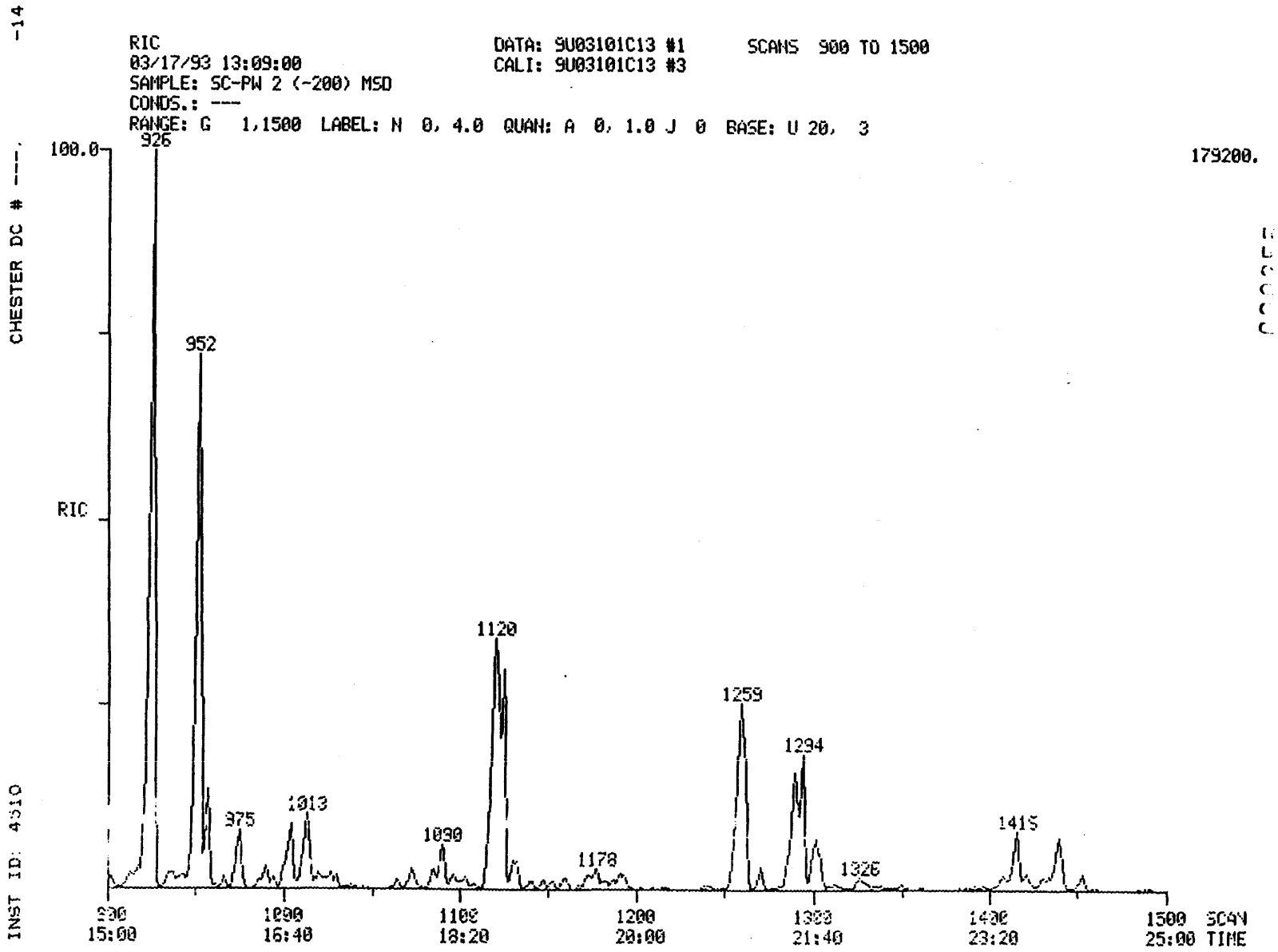
RIC
03/17/93 13:09:00
SAMPLE: SC-PW 2 (-200) MSD
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C13 #1
CALI: 9U03101C13 #3

SCANS 110 TO 900



011303


-14
RIC
03/17/93 13:09:00
SAMPLE: SC-PW 2 (-200) MSD
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U03101C13 #1
CALI: 9U03101C13 #3
SCANS 900 TO 1500
CHESTER DC # ---
INST ID: 4310
100.0
RIC
179200.
926
952
975
1013
1090
1120
1178
1259
1294
1326
1415
900 15:00
1000 16:40
1100 18:20
1200 20:00
1300 21:40
1400 23:20
1500 25:00
SCAN TIME

011304

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID. SC-PW 2 (-200) MSD

FILENAME 9U03101C13 INST ID. 4510

CLIENT DAMES & ANALYST JDD

DATE INJECTED 03/17/93 13:09:00 VERIFIED BY JDD

CALIB STD DATE 03/09/93 CORR. FACTOR 10.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
203	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	200 UG/L	1.000	1850
341	CI40	NAPHTHALENE-D8 ** IS2 **	136	200 UG/L	1.000	7213
568	CI50	ACENAPHTHENE-D10 ** IS3 **	164	200 UG/L	1.000	3663
762	CI60	PHENANTHRENE-D10 ** IS4 **	188	200 UG/L	1.000	4977
1121	CI70	CHRYSENE-D12 ** IS5 **	240	200 UG/L	1.000	2090
1301	CI75	PERYLENE-D12 ** IS6 **	264	200 UG/L	1.000	1278
343	C450	NAPHTHALENE	128	15 UG/L	1.006	594
546	C540	ACENAPHTHYLENE	152	20 UG/L	0.961	725
572	C550	ACENAPHTHENE	153	198 UG/L	1.007	3941
640	C590	FLUORENE	166	260 UG/L	1.127	6252
766	C640	PHENANTHRENE	178	1156 UG/L	1.005	33289
770	C645	ANTHRACENE	178	299 UG/L	1.010	9108
926	C655	FLUORANTHENE	202	1086 UG/L	1.215	26410
952	C715	PYRENE	202	970 UG/L	0.849	20358
1120	C730	BENZO(A)ANTHRACENE	228	528 UG/L	0.999	8240
1124	C740	CHRYSENE	228	405 UG/L	1.003	4558
1259	C765	BENZO(B)FLUORANTHENE	252	698 UG/L	0.968	7816
1294	C775	BENZO(A)PYRENE	252	397 UG/L	0.995	3094
1416	C780	INDENO(1,2,3-CD)PYRENE	276	334 UG/L	1.088	1837
1421	C785	DIBENZO(A,H)ANTHRACENE	278	91 UG/L	1.092	486
1440	C790	BENZO(GHI)PERYLENE	276	325 UG/L	1.107	1831

*SURROGATES WERE DILUTED OUT

011306

INST ID: 4530 SAMPLE NUMBER: SC-PW DUP (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310138 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ----
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C38
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7	24
C740	CHRYSENE	7	22
C765	BENZO(B)FLUORANTHENE	7	18
C770	BENZO(K)FLUORANTHENE	7	7
C775	BENZO(A)PYRENE	7	9
C780	INDENO(1,2,3-CD)PYRENE	7	6 J
C785	DIBENZO(A,H)ANTHRACENE	7	2 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

of what?

000357

011306

011307

INST ID: 4530 SAMPLE NUMBER: SC-PW DUP (+10)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310138 GC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ...RB... DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C38
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7 U	
C540	ACENAPHTHYLENE	7	1 J
C550	ACENAPHTHENE	7 U	
C590	FLUORENE	7 U	
C640	PHENANTHRENE	7	4 J
C645	ANTHRACENE	7	2 J
C655	FLUORANTHENE	7	36
C715	PYRENE	7	44
C730	BENZO(A)ANTHRACENE	7	24
C740	CHRYSENE	7	22
C765	BENZO(B)FLUORANTHENE	7	18
C770	BENZO(K)FLUORANTHENE	7	7
C775	BENZO(A)PYRENE	7	9
C780	INDENO(1,2,3-CD)PYRENE	7	6 J
C785	DIBENZO(A,H)ANTHRACENE	7	2 J
C790	BENZO(GHI)PERYLENE	7	7 J

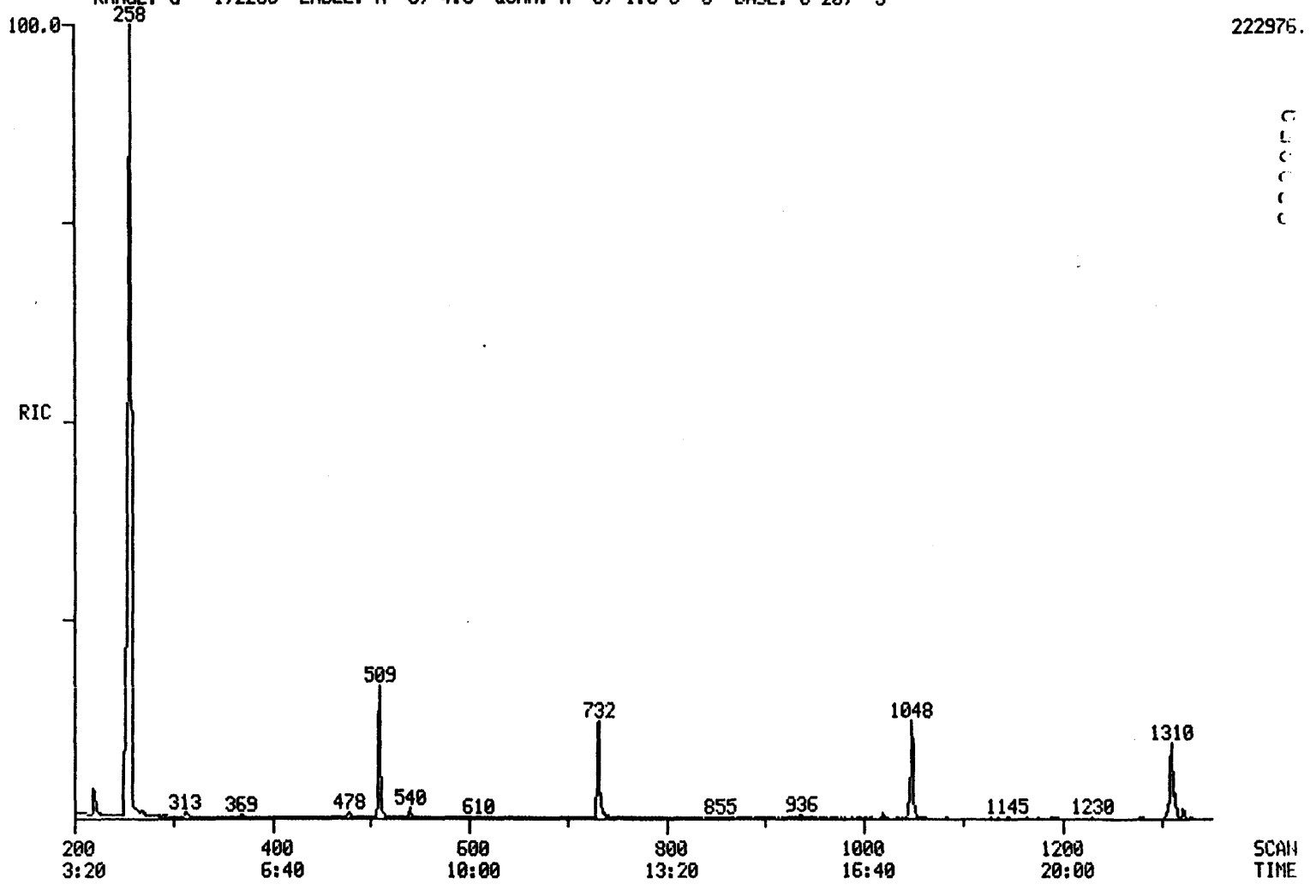
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000258

CHESTER LABNET DC # ---14

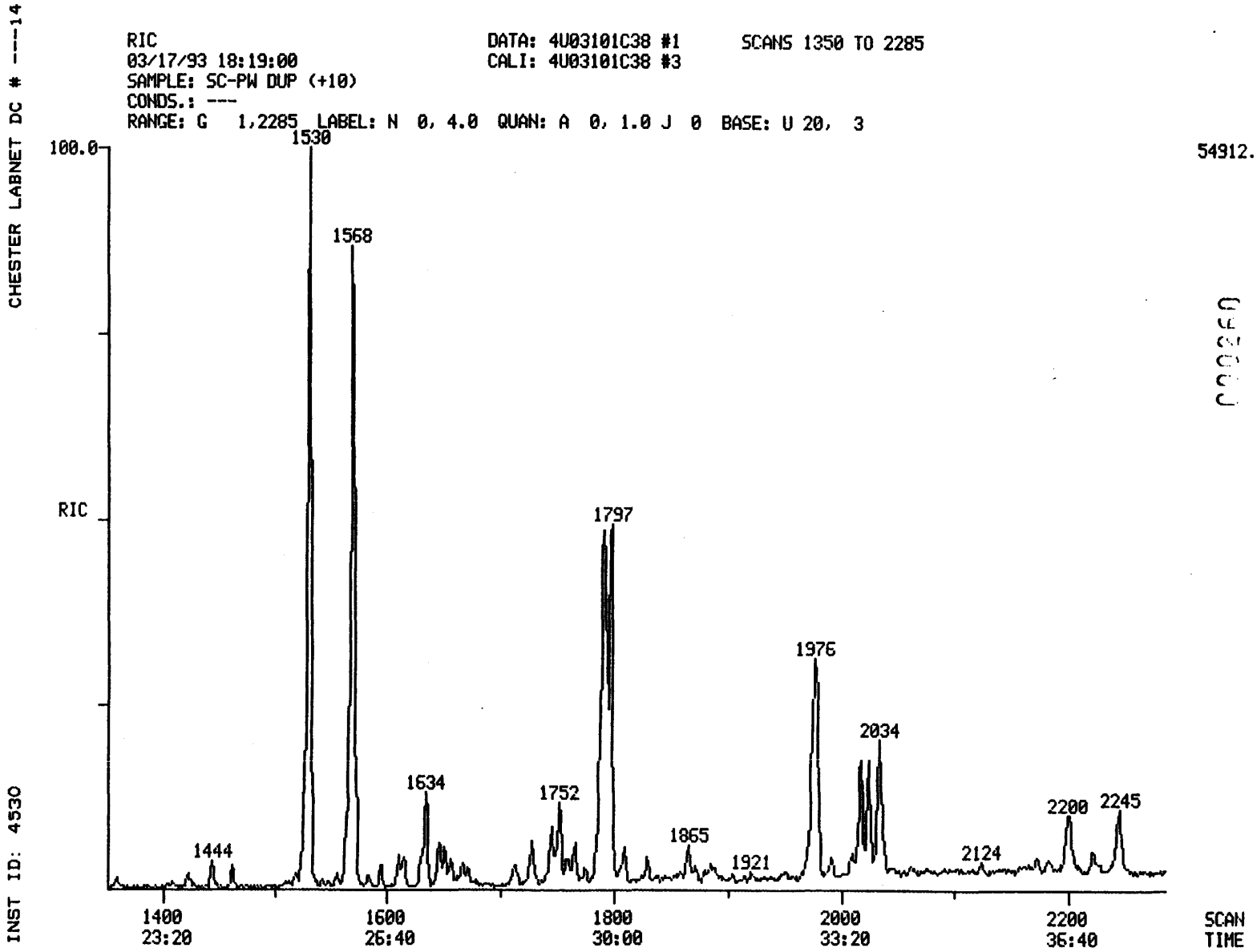
RIC
03/17/93 18:19:00
SAMPLE: SC-PW DUP (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C38 #1 SCANS 200 TO 1350
CALI: 4U03101C38 #3



INST ID: 4530

011308


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/17/93 18:19:00
SAMPLE: SC-PW DUP (+10)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C38 #1
CALI: 4U03101C38 #3
SCANS 1350 TO 2285
100.0
RIC
54912.
1530
1568
1797
1976
2034
1634
1752
1865
1921
2124
2200
2245
1444
1400
23:20
1600
26:40
1800
30:00
2000
33:20
2200
36:40
SCAN
TIME

011309

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011310

SAMPLE ID.	SC-PW DUP (+10)		
FILENAME	4U03101C38	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 18:19:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	0.67

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
509	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13 MG/KG	1.000	201
731	CI40	NAPHTHALENE-D8 ** IS2 **	136	13 MG/KG	1.000	529
1048	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13 MG/KG	1.000	243
1310	CI60	PHENANTHRENE-D10 ** IS4 **	188	13 MG/KG	1.000	349
1792	CI70	CHRYSENE-D12 ** IS5 **	240	13 MG/KG	1.000	161
2033	CI75	PERYLENE-D12 ** IS6 **	264	13 MG/KG	1.000	142
1019	C540	ACENAPHTHYLENE	152	1 MG/KG	0.972	29
1314	C640	PHENANTHRENE	178	4 MG/KG	1.003	114
1322	C645	ANTHRACENE	178	2 MG/KG	1.009	50
1530	C655	FLUORANTHENE	202	36 MG/KG	1.168	961
1568	C715	PYRENE	202	44 MG/KG	0.875	799
1789	C730	BENZO(A)ANTHRACENE	228	24 MG/KG	0.998	388
1797	C740	CHRYSENE	228	22 MG/KG	1.003	302
1975	C765	BENZO(B)FLUORANTHENE	252	18 MG/KG	0.971	315
1978	C770	BENZO(K)FLUORANTHENE	252	7 MG/KG	0.973	106
2024	C775	BENZO(A)PYRENE	252	9 MG/KG	0.996	123
2199	C780	INDENO(1,2,3-CD)PYRENE	276	6 MG/KG	1.082	78
2203	C785	DIBENZO(A,H)ANTHRACENE	278	2 MG/KG	1.084	29
2245	C790	BENZO(GHI)PERYLENE	276	7 MG/KG	1.104	93

011311

INST ID: 4530 SAMPLE NUMBER: SC-PW DUP (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310139 QC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C39
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	13	5 J
C740	CHRYSENE	13	7 J
C765	BENZO(B)FLUORANTHENE	13	8 J
C770	BENZO(K)FLUORANTHENE	13	4 J
C775	BENZO(A)PYRENE	13	4 J
C780	INDENO(1,2,3-CD)PYRENE	13	3 J
C785	DIBENZO(A,H)ANTHRACENE	13	1 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

011312

INST ID: 4530 SAMPLE NUMBER: SC-PW DUP (-10+200)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET CASE NO.: --
LAB SAMPLE ID NO.: 930310139 GC REPORT NO.: 03/11/93
SAMPLE MATRIX: SOIL CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: DB DATE SAMPLE RECEIVED: 03/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U03101C39
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	13 U	
C540	ACENAPHTHYLENE	13 U	
C550	ACENAPHTHENE	13 U	
C590	FLUORENE	13 U	
C640	PHENANTHRENE	13	9 J
C645	ANTHRACENE	13	3 J
C655	FLUORANTHENE	13	16
C715	PYRENE	13	8 J
C730	BENZO(A)ANTHRACENE	13	5 J
C740	CHRYSENE	13	7 J
C765	BENZO(B)FLUORANTHENE	13	8 J
C770	BENZO(K)FLUORANTHENE	13	4 J
C775	BENZO(A)PYRENE	13	4 J
C780	INDENO(1,2,3-CD)PYRENE	13	3 J
C785	DIBENZO(A,H)ANTHRACENE	13	1 J
C790	BENZO(GHI)PERYLENE	13	3 J

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000253

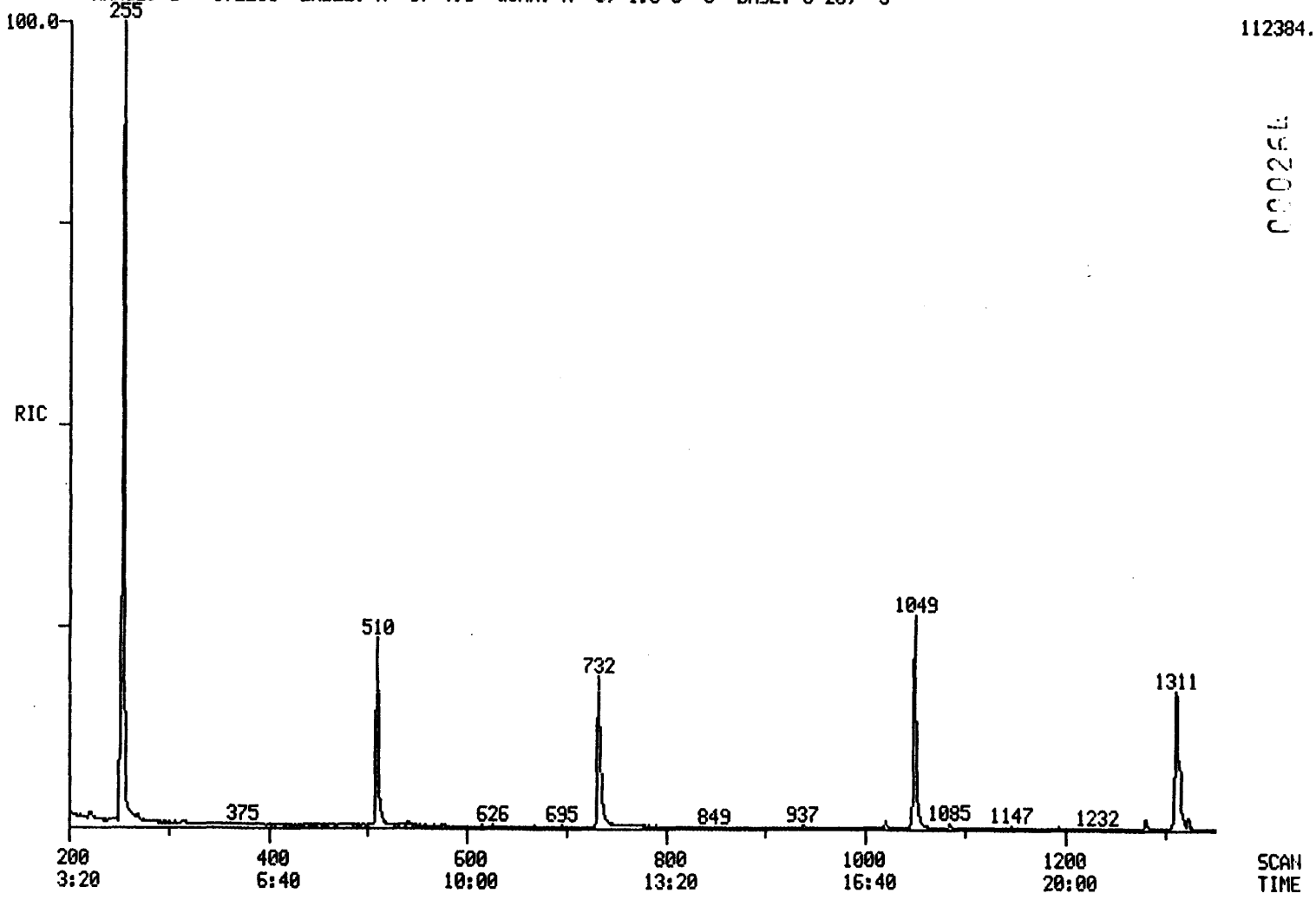
CHESTER LABNET DC # ---14

RIC
03/17/93 19:07:00
SAMPLE: SC-PW DUP (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C39 #1
CALI: 4U03101C39 #3

SCANS 200 TO 1350

112384.



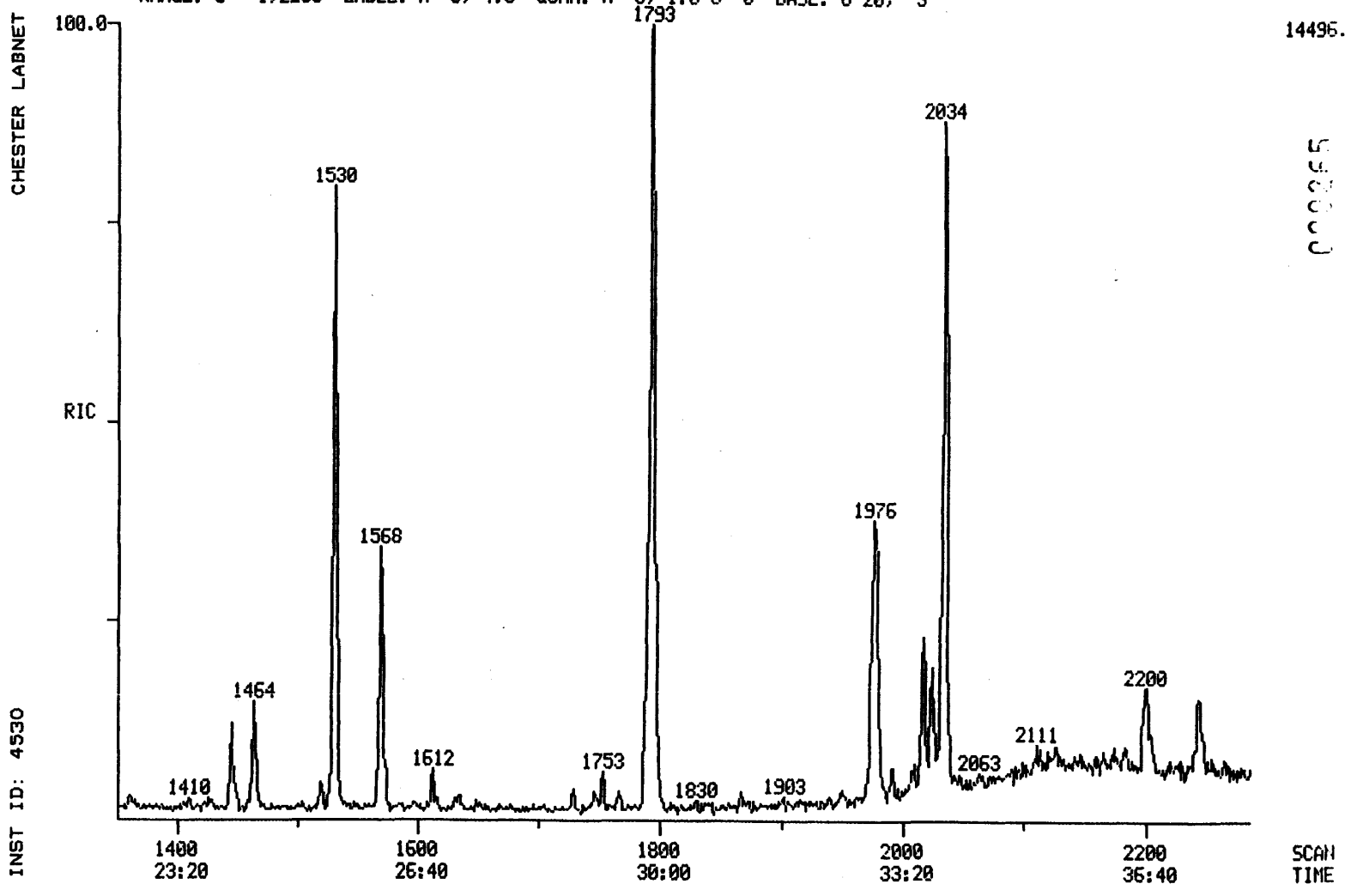
INST ID: 4530

011313

RIC
03/17/93 19:07:00
SAMPLE: SC-PW DUP (-10+200)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C39 #1
CALI: 4U03101C39 #3

SCANS 1350 TO 2285



011314

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

011315

SAMPLE ID.	SC-PW DUP (-10+200)		
FILENAME	4U03101C39	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 19:07:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	1.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
509	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	26 MG/KG	1.000	165
732	CI40	NAPHTHALENE-D8 ** IS2 **	136	26 MG/KG	1.000	440
1049	CI50	ACENAPHTHENE-D10 ** IS3 **	164	26 MG/KG	1.000	287
1311	CI60	PHENANTHRENE-D10 ** IS4 **	188	26 MG/KG	1.000	313
1792	CI70	CHRYSENE-D12 ** IS5 **	240	26 MG/KG	1.000	199
2034	CI75	PERYLENE-D12 ** IS6 **	264	26 MG/KG	1.000	174
1315	C640	PHENANTHRENE	178	9 MG/KG	1.003	129
1323	C645	ANTHRACENE	178	3 MG/KG	1.009	41
1530	C655	FLUORANTHENE	202	16 MG/KG	1.167	196
1568	C715	PYRENE	202	8 MG/KG	0.875	89
1789	C730	BENZO(A)ANTHRACENE	228	5 MG/KG	0.998	52
1796	C740	CHRYSENE	228	7 MG/KG	1.002	59
1976	C765	BENZO(B)FLUORANTHENE	252	8 MG/KG	0.971	93
1978	C770	BENZO(K)FLUORANTHENE	252	4 MG/KG	0.972	35
2024	C775	BENZO(A)PYRENE	252	4 MG/KG	0.995	31
2200	C780	INDENO(1,2,3-CD)PYRENE	276	3 MG/KG	1.082	26
2205	C785	DIBENZO(A,H)ANTHRACENE	278	1 MG/KG	1.084	5
2245	C790	BENZO(GHI)PERYLENE	276	3 MG/KG	1.104	26

*SURROGATES WERE DILUTED OUT

011316

INST ID: 4910 SAMPLE NUMBER: SC-PW DUP(-200)

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310140
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: ..RB.....

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: ..3/11/93....

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: ..3/11/93.....
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C40
DILUTION FACTOR: ....1.....

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10	2 J
C740	CHRYSENE	10	2 J
C765	BENZO(B)FLUORANTHENE	10	2 J
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000257

011317

INST ID: 4510 SAMPLE NUMBER: SC-PW DUP(-200)

ORGANICS ANALYSIS DATA SHEET

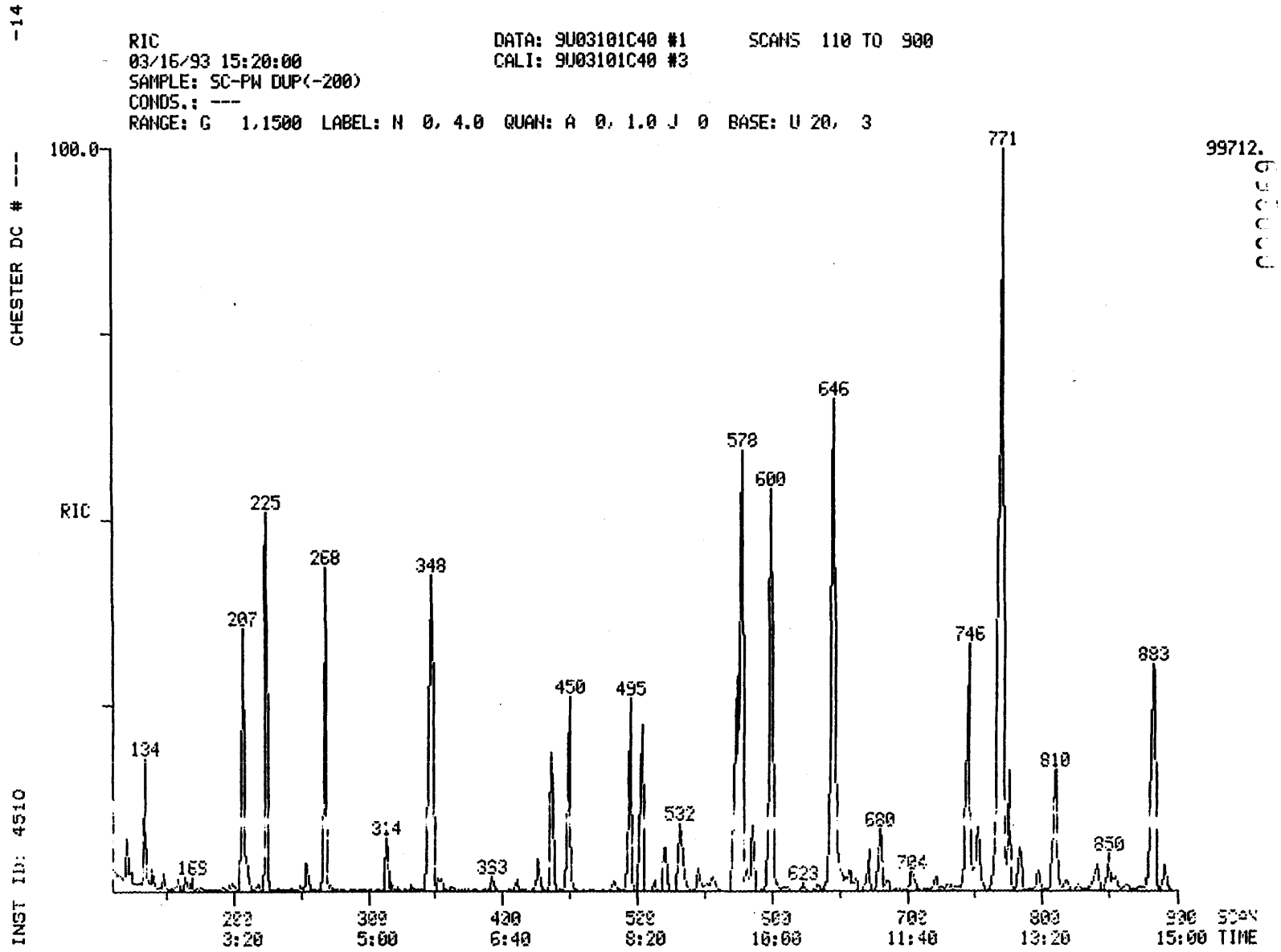
LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 930310140 QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: 3/11/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U03101C40
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C450	NAPHTHALENE	10	20
C540	ACENAPHTHYLENE	10 U	
C550	ACENAPHTHENE	10	37
C590	FLUORENE	10	40
C640	PHENANTHRENE	10	89
C645	ANTHRACENE	10	9 J
C655	FLUORANTHENE	10	26
C715	PYRENE	10	13
C730	BENZO(A)ANTHRACENE	10	2 J
C740	CHRYSENE	10	2 J
C765	BENZO(B)FLUORANTHENE	10	2 J
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	
C790	BENZO(GHI)PERYLENE	10 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



011318

011318

-14

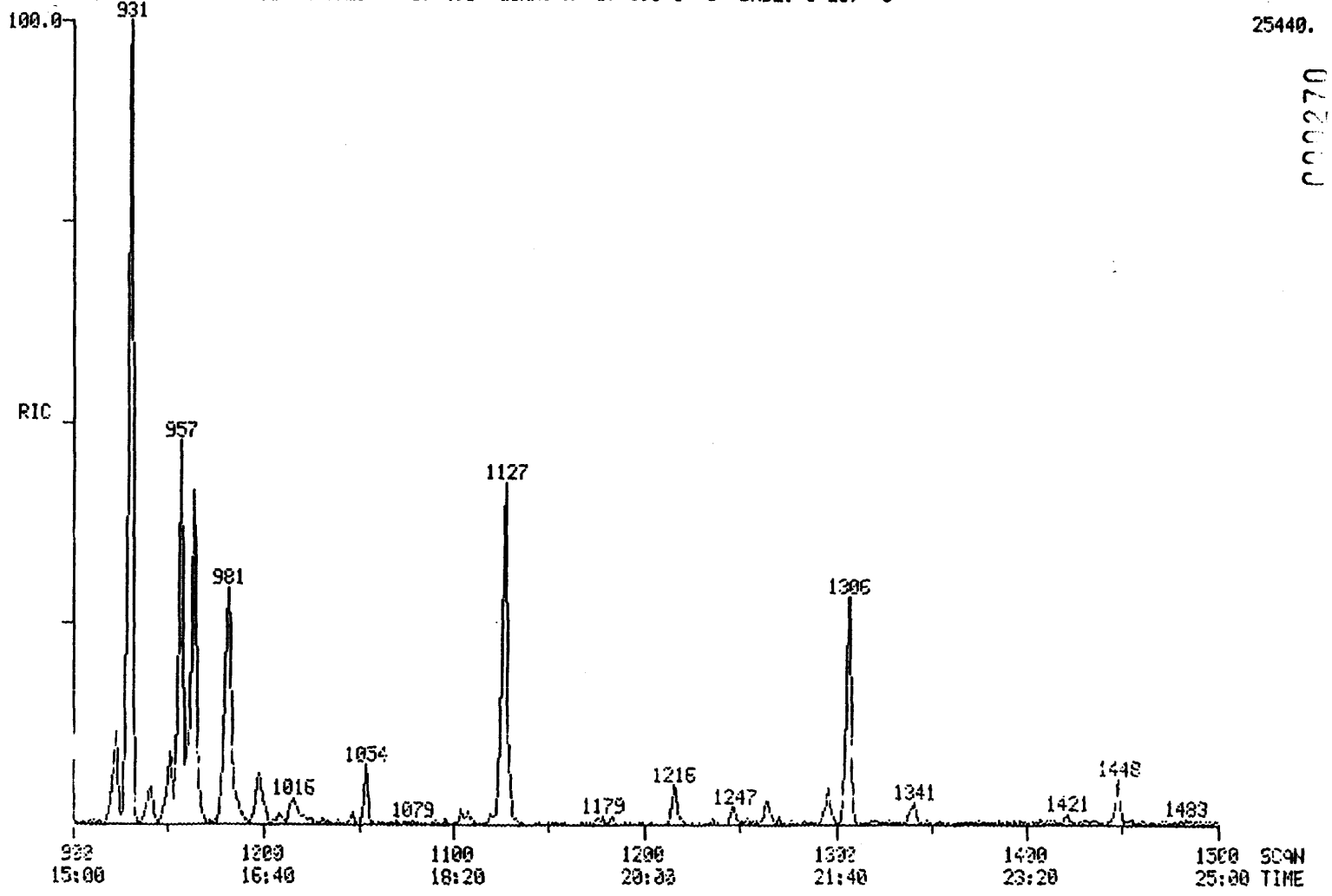
CHESTER DC # ---

INST ID: 4510

RIC
03/16/93 15:20:00
SAMPLE: SC-PW DUP(-200)
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C40 #1
CALI: 9U03101C40 #3

SCANS 900 TO 1500



25440.

011319

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	SC-FW DUP(-200)		
FILENAME	9U03101C40	INST ID.	4510
CLIENT	DAMES &	ANALYST	JDD
DATE INJECTED	03/16/93 15:20:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
207	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	984
346	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	4099
574	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	2047
768	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	2772
1127	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1266
1306	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	978
268	CS20	NITROBENZENE-D5 ** SU3 **	82	79 %	0.775	2803
495	CS25	2-FLUOROBIPHENYL ** SU4 **	172	41 %	0.862	2840
999	CS30	TERPHENYL-D14 ** SU6 **	244	4 %	0.886	150
348	C450	NAPHTHALENE	128	20 UG/L	1.006	4274
578	C550	ACENAPHTHENE	153	37 UG/L	1.007	4040
646	C590	FLUORENE	166	40 UG/L	1.125	5141
771	C640	PHENANTHRENE	178	89 UG/L	1.004	15479
776	C645	ANTHRACENE	178	9 UG/L	1.010	1626
930	C655	FLUORANTHENE	202	26 UG/L	1.211	3720
937	C715	PYRENE	202	13 UG/L	0.849	1568
1125	C730	BENZO(A)ANTHRACENE	228	2 UG/L	0.998	146
1129	C740	CHRYSENE	228	2 UG/L	1.002	151
1263	C765	BENZO(B)FLUORANTHENE	252	2 UG/L	0.967	171

011321

INST ID: 4530

CHESTER LABNET DC # --- 8
SAMPLE NUMBER: SBLK SPIKE (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310142
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
QC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: .....

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/17/93

DATAFILE: 4U03101C42S

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C315	PHENOL	330	1600
C325	BIS(2-CHLOROETHYL)ETHER	330 U	
C330	2-CHLOROPHENOL	330	1500
C335	1,3-DICHLOROBENZENE	330 U	
C340	1,4-DICHLOROBENZENE	330	1100
C345	BENZYL ALCOHOL	330 U	
C350	1,2-DICHLOROBENZENE	330 U	
C355	2-METHYLPHENOL	330 U	
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	330 U	
C365	4-METHYLPHENOL	330 U	
C370	N-NITROSODIPROPYLAMINE	330	900
C375	HEXACHLOROETHANE	330 U	
C410	NITROBENZENE	330 U	
C415	ISOPHORONE	330 U	
C420	2-NITROPHENOL	330 U	
C425	2,4-DIMETHYLPHENOL	330 U	
C430	BENZOIC ACID	1650 U	
C435	BIS(2-CHLOROETHOXY)METHANE	330 U	
C440	2,4-DICHLOROPHENOL	330 U	
C445	1,2,4-TRICHLOROBENZENE	330	990
C450	NAPHTHALENE	330 U	
C455	4-CHLOROANILINE	330 U	
C460	HEXACHLOROBUTADIENE	330 U	
C465	P-CHLORO-M-CRESOL	330	1400
C470	2-METHYLNAPHTHALENE	330 U	
C510	HEXACHLOROCYCLOPENTADIENE	330 U	
C515	2,4,6-TRICHLOROPHENOL	330 U	
C520	2,4,5-TRICHLOROPHENOL	1650 U	
C525	2-CHLORONAPHTHALENE	330 U	
C530	2-NITROANILINE	1650 U	
C535	DIMETHYL PHTHALATE	330 U	
C540	ACENAPHTHYLENE	330 U	
C545	3-NITROANILINE	1650 U	
C550	ACENAPHTHENE	330	990
C555	2,4-DINITROPHENOL	1650 U	
C560	4-NITROPHENOL	1650	300 J
C565	DIBENZOFURAN	330 U	
C570	2,4-DINITROTOLUENE	330	970
C543	2,6-DINITROTOLUENE	330 U	

000272

CHESTER LABNET DC # --- 8

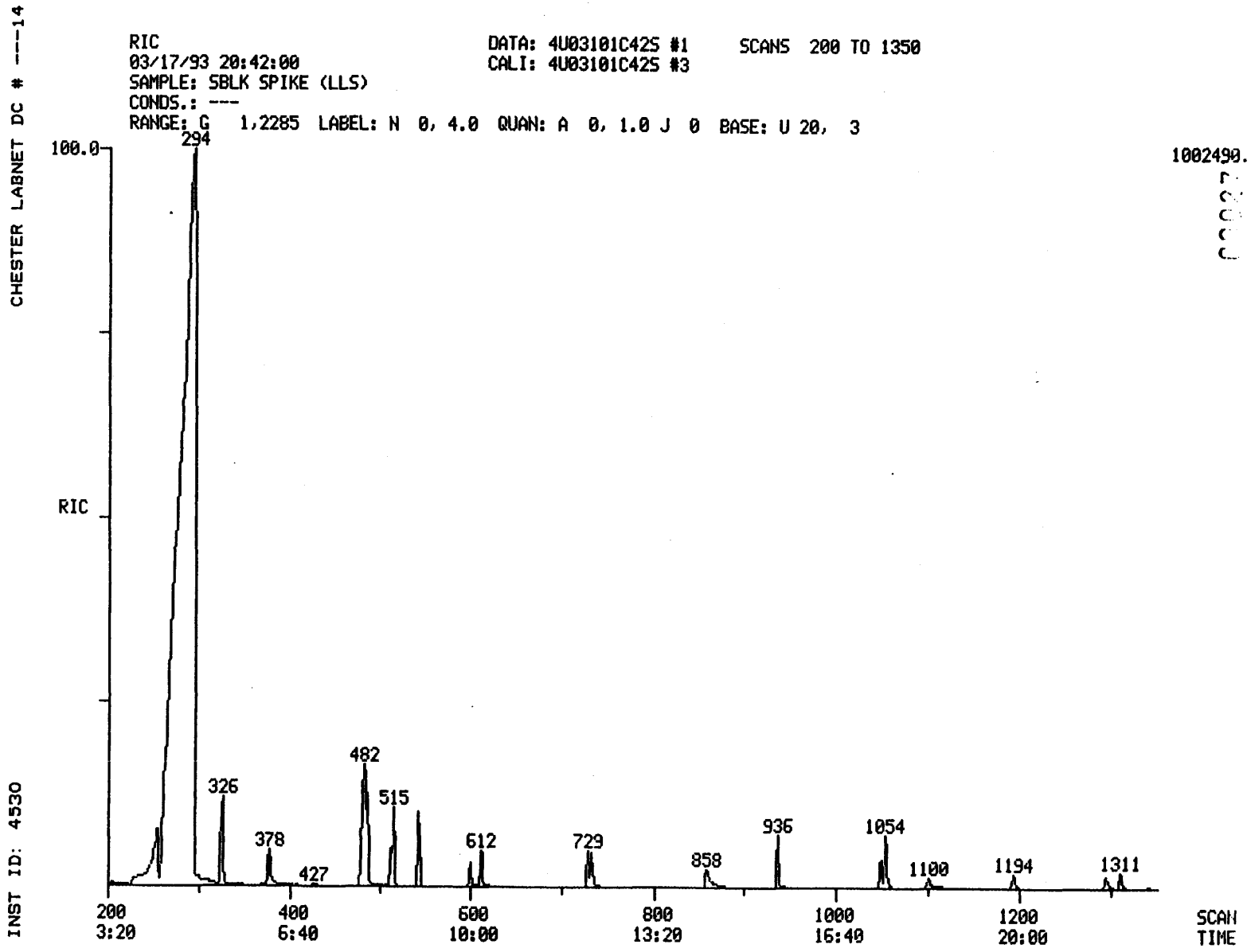
SAMPLE NUMBER: SBLK SPIKE (LLS)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET, CONTINUED

DATAFILE: 4U03101C42S

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C580	DIETHYL PHTHALATE	330 U	
C585	4-CHLOROPHENYL PHENYL ETHER	330 U	
C590	FLUORENE	330 U	
C595	4-NITROANILINE	1650 U	
C610	4,6-DINITRO-2-METHYLPHENOL	1650 U	
C615	N-NITROSODIPHENYLAMINE	330 U	
C625	4-BROMOPHENYL PHENYL ETHER	330 U	
C630	HEXACHLOROBENZENE	330 U	
C635	PENTACHLOROPHENOL	1650	1900
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C650	DI-N-BUTYL PHTHALATE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330	1300
C720	BUTYL BENZYL PHTHALATE	330 U	
C725	3,3'-DICHLOROBENZIDINE	660 U	
C730	BENZO(A)ANTHRACENE	330 U	
C745	BIS(2-ETHYLHEXYL)PHTHALATE	330 U	
C740	CHRYSENE	330 U	
C760	DI-N-OCTYL PHTHALATE	330 U	
C765	BENZO(B)FLUORANTHENE	330 U	
C770	BENZO(K)FLUORANTHENE	330 U	
C775	BENZO(A)PYRENE	330 U	
C780	INDENO(1,2,3-CD)PYRENE	330 U	
C785	DIBENZO(A,H)ANTHRACENE	330 U	
C790	BENZO(GHI)PERYLENE	330 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

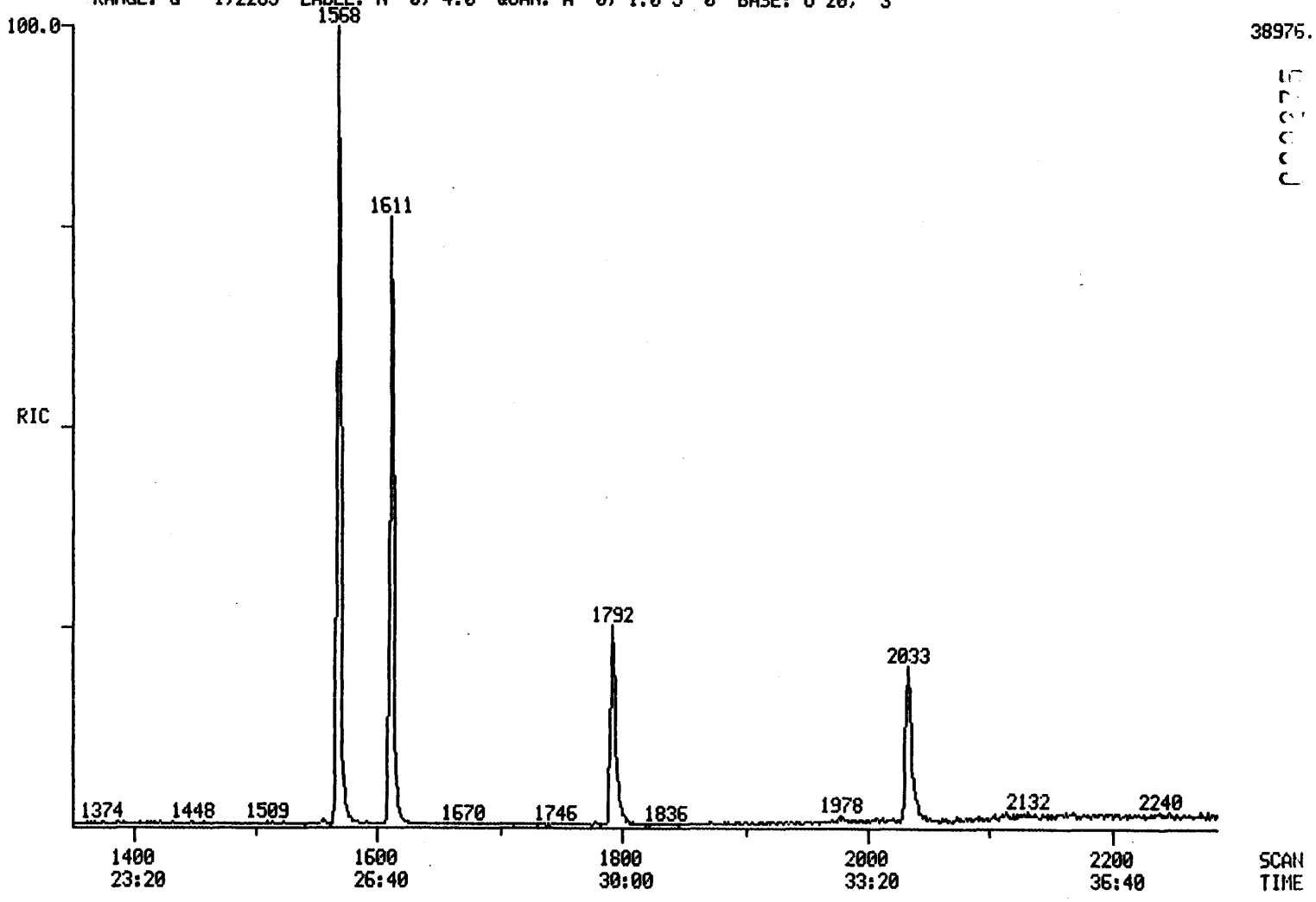

CHESTER LABNET DC # ---14
INST ID: 4530
RIC
03/17/93 20:42:00
SAMPLE: SBLK SPIKE (LLS)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U03101C42S #1
CALI: 4U03101C42S #3
SCANS 200 TO 1350
100.0
RIC
1002490.
294
326
378
427
482
515
612
729
858
936
1054
1100
1194
1311
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

011323

CHESTER LABNET DC # ---14

RIC
03/17/93 20:42:00
SAMPLE: SBLK SPIKE (LLS)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C42S #1 SCANS 1350 TO 2285
CALI: 4U03101C42S #3



INST ID: 4530

011324

011324

CHESTER LABNET DC

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SBLK SPIKE (LLS)		
FILENAME	4U03101C42S	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/17/93 20:42:00	VERIFIED BY	
CALIB STD DATE	03/11/93	CORR. FACTOR	33.0

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT
512	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	660 UG/KG	1.000
733	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000
1048	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000
1311	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000
1792	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000
2033	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000
326	CS50	2-FLUOROPHENOL ** SU1 **	112	67 %	0.637
480	CS45	PHENOL-D5 ** SU2 **	99	78 %	0.937
1193	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	69 %	1.138
483	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	47 %	0.943
543	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	78 %	1.061
612	CS20	NITROBENZENE-D5 ** SU3 **	82	79 %	0.835
936	CS25	2-FLUOROBIPHENYL **SU4 **	172	56 %	0.893
1611	CS30	TERPHENYL-D14 ** SU6 **	244	71 %	0.899
482	C315	PHENOL	94	1572 UG/KG	0.941
486	C330	2-CHLOROPHENOL	128	1522 UG/KG	0.949
515	C340	1,4-DICHLOROBENZENE	146	1100 UG/KG	1.006
600	C370	N-NITROSODIPROPYLAMINE	70	900 UG/KG	1.172
728	C445	1,2,4-TRICHLOROBENZENE	180	994 UG/KG	0.993
858	C465	P-CHLORO-M-CRESOL	107	1390 UG/KG	1.171
1054	C550	ACENAPHTHENE	153	986 UG/KG	1.006
1113	C560	4-NITROPHENOL	109	300 UG/KG	1.062
1100	C570	2,4-DINITROTOLUENE	165	975 UG/KG	1.050
1296	C635	PENTACHLOROPHENOL	266	1874 UG/KG	0.989
1568	C715	PYRENE	202	1322 UG/KG	0.875

INST ID: 4510

CHESTER DC # --- - 8

SAMPLE NUMBER: BLANK SPIKE

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 93---
SAMPLE MATRIX: WATER
DATA RELEASE AUTHORIZED BY: ....

CASE NO.: ---
QC REPORT NO.: 03/09/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: .....

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93

DATAFILE: 9U03101C42
DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C315	PHENOL	10 U	
C325	BIS(2-CHLOROETHYL)ETHER	10 U	
C330	2-CHLOROPHENOL	10 U	
C335	1,3-DICHLOROBENZENE	10 U	
C340	1,4-DICHLOROBENZENE	10	31
C345	BENZYL ALCOHOL	10 U	
C350	1,2-DICHLOROBENZENE	10 U	
C355	2-METHYLPHENOL	10 U	
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	
C365	4-METHYLPHENOL	10 U	
C370	N-NITROSODIPROPYLAMINE	10	40
C375	HEXACHLOROETHANE	10 U	
C410	NITROBENZENE	10 U	
C415	ISOPHORONE	10 U	
C420	2-NITROPHENOL	10 U	
C425	2,4-DIMETHYLPHENOL	10 U	
C430	BENZOIC ACID	50 U	
C435	BIS(2-CHLOROETHOXY)METHANE	10 U	
C440	2,4-DICHLOROPHENOL	10 U	
C445	1,2,4-TRICHLOROBENZENE	10	34
C450	NAPHTHALENE	10 U	
C455	4-CHLOROANILINE	10 U	
C460	HEXACHLOROBUTADIENE	10 U	
C465	P-CHLORO-M-CRESOL	10 U	
C470	2-METHYLNAPHTHALENE	10 U	
C510	HEXACHLOROCYCLOPENTADIENE	10 U	
C515	2,4,6-TRICHLOROPHENOL	10 U	
C520	2,4,5-TRICHLOROPHENOL	50 U	
C525	2-CHLORONAPHTHALENE	10 U	
C530	2-NITROANILINE	50 U	
C535	DIMETHYL PHTHALATE	10 U	
C540	ACENAPHTHYLENE	10 U	
C545	3-NITROANILINE	50 U	
C550	ACENAPHTHENE	10	39
C555	2,4-DINITROPHENOL	50 U	
C560	4-NITROPHENOL	50 U	
C565	DIBENZOFURAN	10 U	
C570	2,4-DINITROTOLUENE	10	42
C543	2,6-DINITROTOLUENE	10 U	

CHESTER DC # ---- 8

SAMPLE NUMBER: BLANK SPIKE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET, CONTINUED

DATAFILE: 9U03101C42

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C580	DIETHYL PHTHALATE	10 U	
C585	4-CHLOROPHENYL PHENYL ETHER	10 U	
C590	FLUORENE	10 U	
C595	4-NITROANILINE	50 U	
C610	4,6-DINITRO-2-METHYLPHENOL	50 U	
C615	N-NITROSODIPHENYLAMINE	10 U	
C625	4-BROMOPHENYL PHENYL ETHER	10 U	
C630	HEXACHLOROBENZENE	10 U	
C635	PENTACHLOROPHENOL	50 U	
C640	PHENANTHRENE	10 U	
C645	ANTHRACENE	10 U	
C650	DI-N-BUTYL PHTHALATE	10 U	
C655	FLUORANTHENE	10 U	
C715	PYRENE	10	47
C720	BUTYL BENZYL PHTHALATE	10 U	
C725	3,3'-DICHLOROBENZIDINE	20 U	
C730	BENZO(A)ANTHRACENE	10 U	
C745	BIS(2-ETHYLHEXYL)PHTHALATE	10 U	
C740	CHRYSENE	10 U	
C760	DI-N-OCTYL PHTHALATE	10 U	
C765	BENZO(B)FLUORANTHENE	10 U	
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	
C790	BENZO(GHI)PERYLENE	10 U	

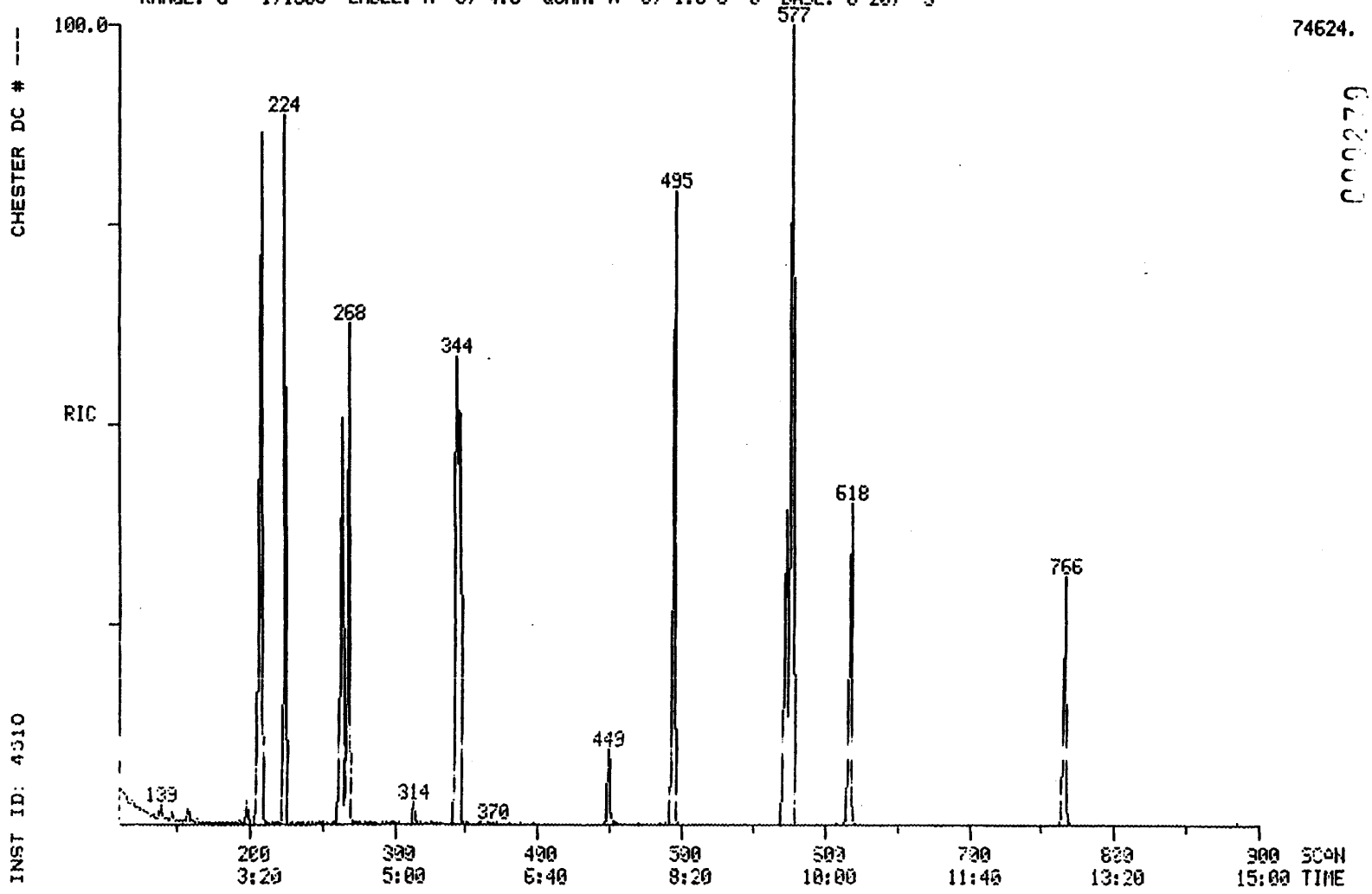
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

-14

RIC
03/16/93 14:09:00
SAMPLE: BLANK SPIKE
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C42 #1
CALI: 9U03101C42 #3

SCANS 110 TO 900

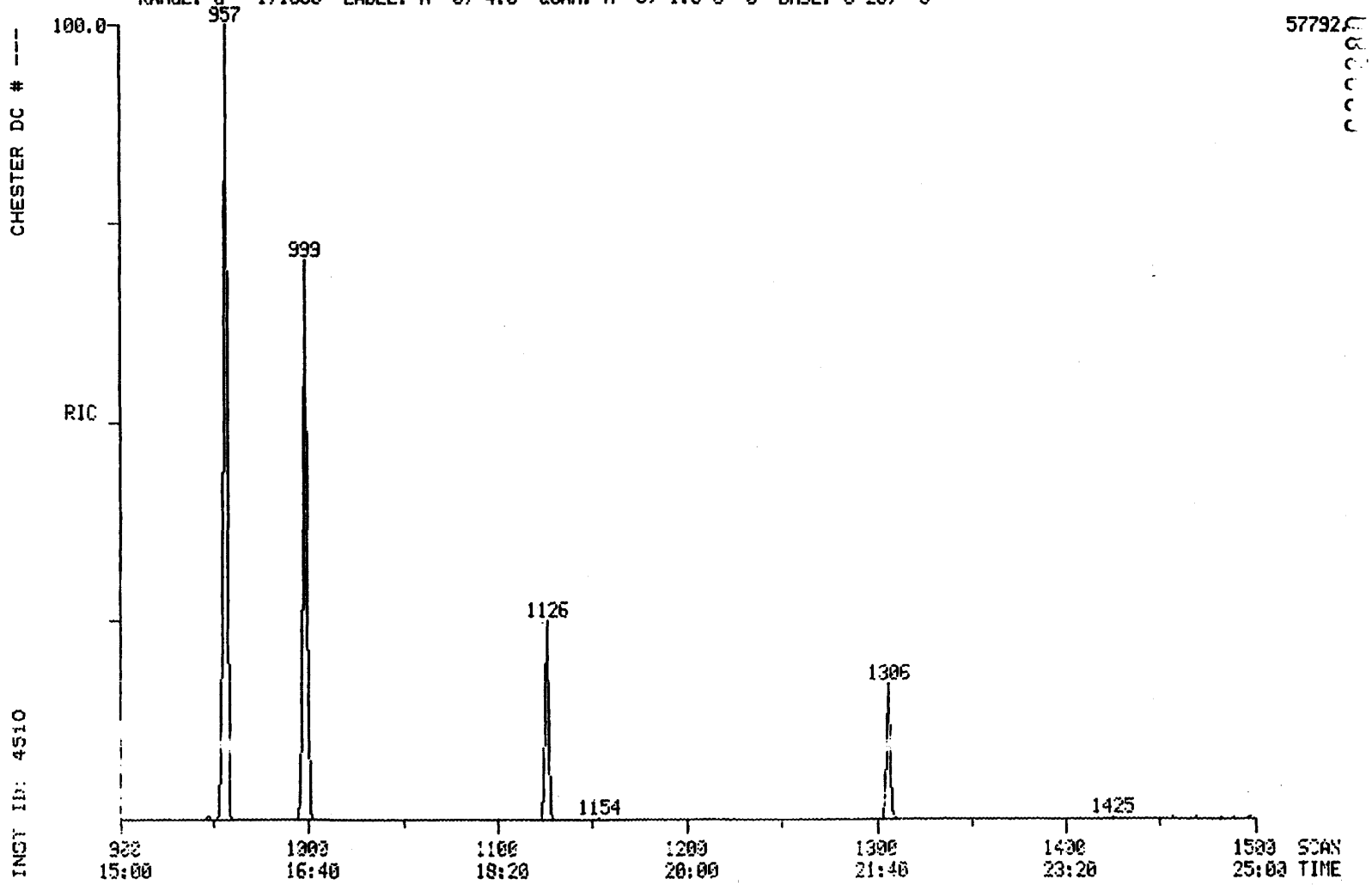


011328

RIC
03/16/93 14:09:00
SAMPLE: BLANK SPIKE
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U03101C42 #1
CALI: 9U03101C42 #3

SCANS 900 TO 1500



CHESTER DC # ---

INST ID: 4510

-14

011329

011329

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	BLANK SPIKE		
FILENAME	9U03101C42	INST ID.	4510
CLIENT	CHESTER	ANALYST	JDD
DATE INJECTED	03/16/93 14:09:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
206	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	101
346	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	371
573	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	183
766	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	251
1126	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	132
1306	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	87
268	CS20	NITROBENZENE-D5 ** SU3 **	82	88 %	0.775	284
475	CS25	2-FLUOROBIPHENYL ** SU4 **	172	77 %	0.864	483
999	CS30	TERPHENYL-D14 ** SU6 **	244	81 %	0.887	362
208	C340	1,4-DICHLOROBENZENE	146	31 UG/L	1.010	266
263	C370	N-NITROSODIPROPYLAMINE	70	40 UG/L	1.277	215
344	C445	1,2,4-TRICHLOROBENZENE	180	34 UG/L	0.994	181
577	C550	ACENAPHTHENE	153	39 UG/L	1.007	382
618	C570	2,4-DINITROTOLUENE	165	42 UG/L	1.079	142
957	C715	PYRENE	202	47 UG/L	0.850	586

011331

CHESTER LABNET DC # --- B

INST ID: 4530

SAMPLE NUMBER: SBLK (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930310101
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB

CASE NO.: --
GC REPORT NO.: 03/11/93
CONTRACT NO.: ---
DATE SAMPLE RECEIVED: .....

SEMIVOLATILES

CONCENTRATION: LOW
DATE EXTRACTED: 03/12/93
DATE ANALYZED: 03/16/93

DATAFILE: 4U03101C01

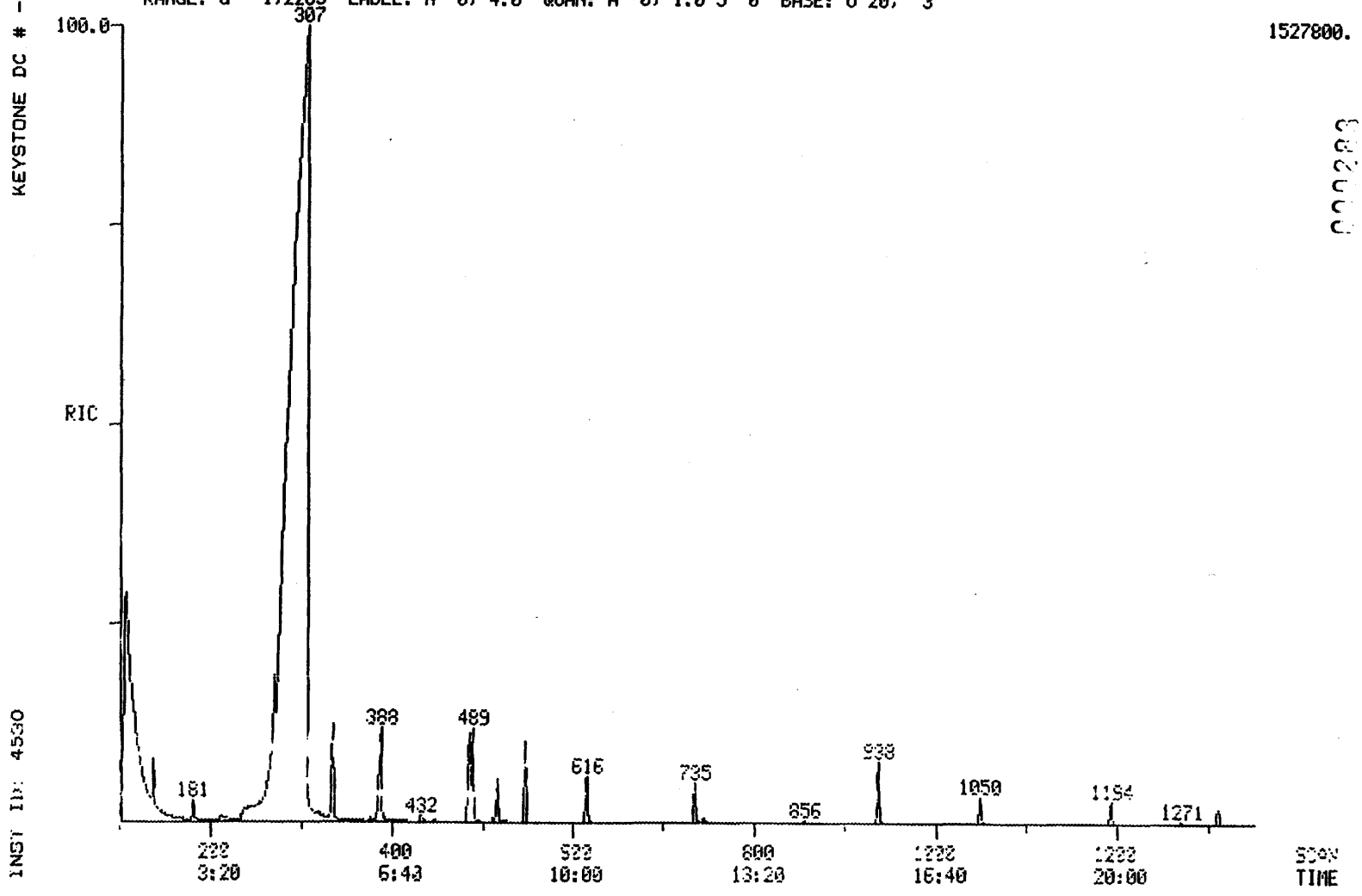
	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	330 U	
C740	CHRYSENE	330 U	
C765	BENZO(B)FLUORANTHENE	330 U	
C770	BENZO(K)FLUORANTHENE	330 U	
C775	BENZO(A)PYRENE	330 U	
C780	INDENO(1,2,3-CD)PYRENE	330 U	
C785	DIBENZO(A,H)ANTHRACENE	330 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

000282

RIC
03/16/93 9:44:00
SAMPLE: SBLK (LLS)
CONDS.: ---
RANGE: G 1.2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

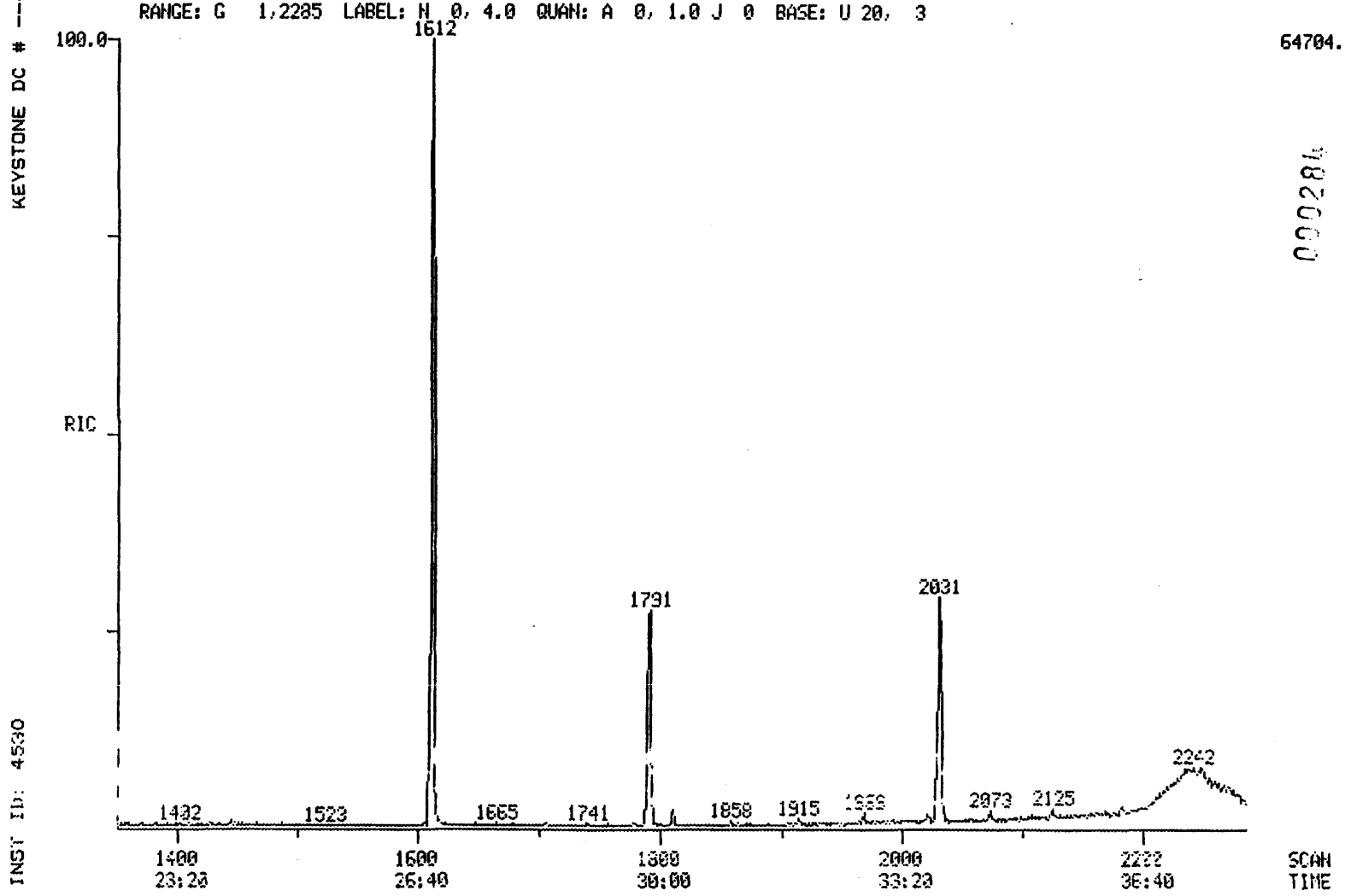
DATA: 4U03101C01 #1 SCANS 100 TO 1350
CALI: 4U03101C01 #3



011332

RIC
03/16/93 9:44:00
SAMPLE: SBLK (LLS)
CONDS.: ---
RANGE: G 1,2285 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U03101C01 #1 SCANS 1350 TO 2285
CALI: 4U03101C01 #3



011333

KEYSTONE DC # ---14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SBLK (LLS)		
FILENAME	4U03101C01	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	03/16/93 9:44:00	VERIFIED BY	SC
CALIB STD DATE	03/11/93	CORR. FACTOR	33.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
517	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	660 UG/KG	1.000	3184
735	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000	9741
1050	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000	3607
1311	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000	4042
1790	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000	2037
2031	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000	2299
335	CS50	2-FLUOROPHENOL ** SU1 **	112	67 %	0.648	14522
435	CS45	PHENOL-D5 ** SU2 **	99	81 %	0.938	20915
1173	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	95 %	1.136	1183
439	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	52 %	0.946	12242
548	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	80 %	1.060	6034
616	CS20	NITROBENZENE-D5 ** SU3 **	82	79 %	0.838	8207
938	CS25	2-FLUOROBIPHENYL **SU4 **	172	88 %	0.893	11077
1612	CS30	TERPHENYL-D14 ** SU6 **	244	127 %	0.901	7490

011335

INST ID: 4010 SAMPLE NUMBER: SBLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET CASE NO.: ---
LAB SAMPLE ID NO.: 93--- QC REPORT NO.: 03/09/93
SAMPLE MATRIX: WATER CONTRACT NO.: ---
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: .....

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9B03101C01
DATE EXTRACTED: 3/11/93
DATE ANALYZED: 03/16/93 DILUTION FACTOR: 1

	COMPOUND	DETECTION LIMIT (MICROGRAMS / LITER)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	10 U	
C740	CHRYSENE	10 U	
C765	BENZO(B)FLUORANTHENE	10 U	
C770	BENZO(K)FLUORANTHENE	10 U	
C775	BENZO(A)PYRENE	10 U	
C780	INDENO(1,2,3-CD)PYRENE	10 U	
C785	DIBENZO(A,H)ANTHRACENE	10 U	

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

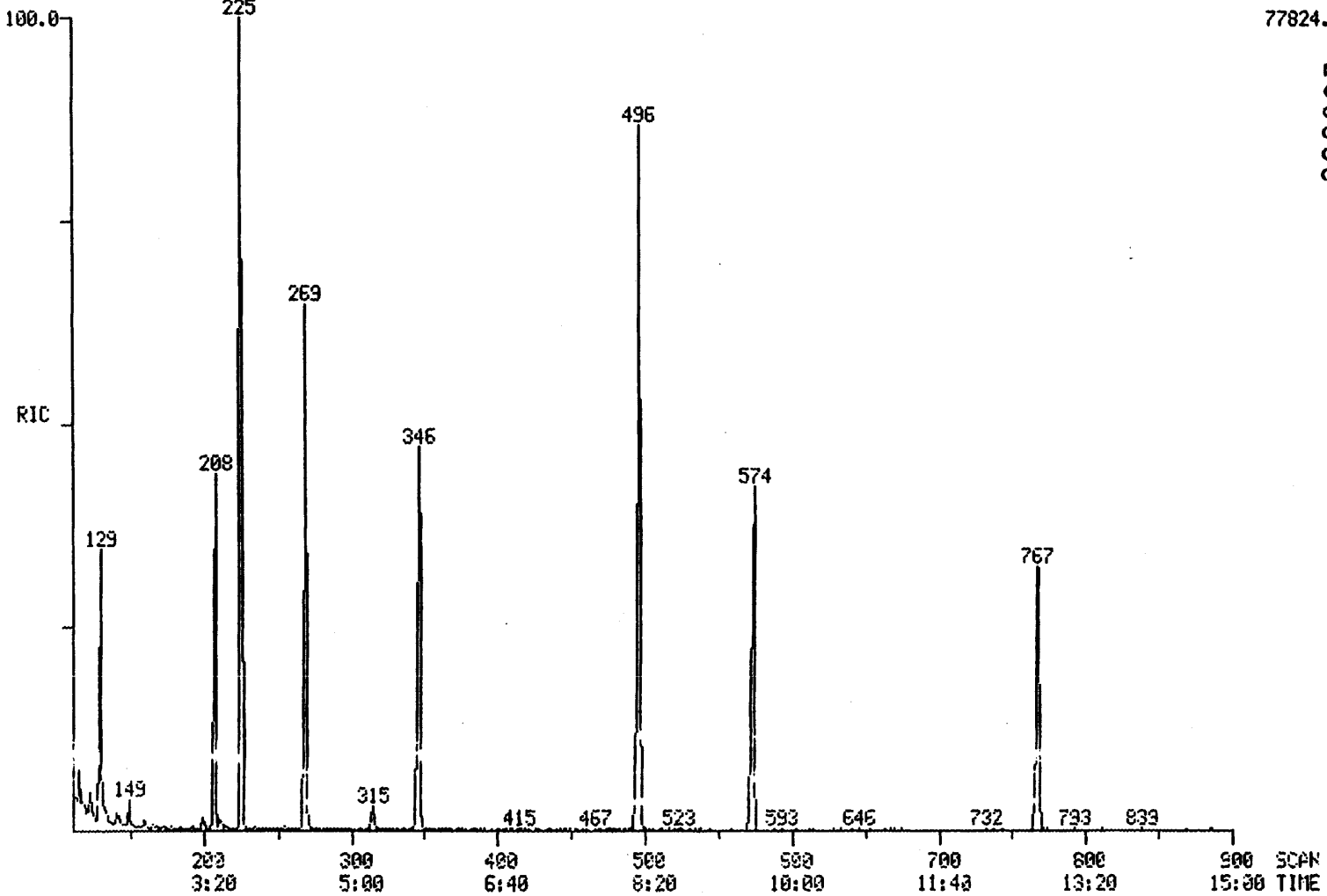
-14

CHESTER DC # ---

INST ID: 4310

RIC
03/16/93 12:59:00
SAMPLE: SBLK
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9B03101C01 #1 SCANS 110 TO 900
CALI: 9B03101C01 #3



011336

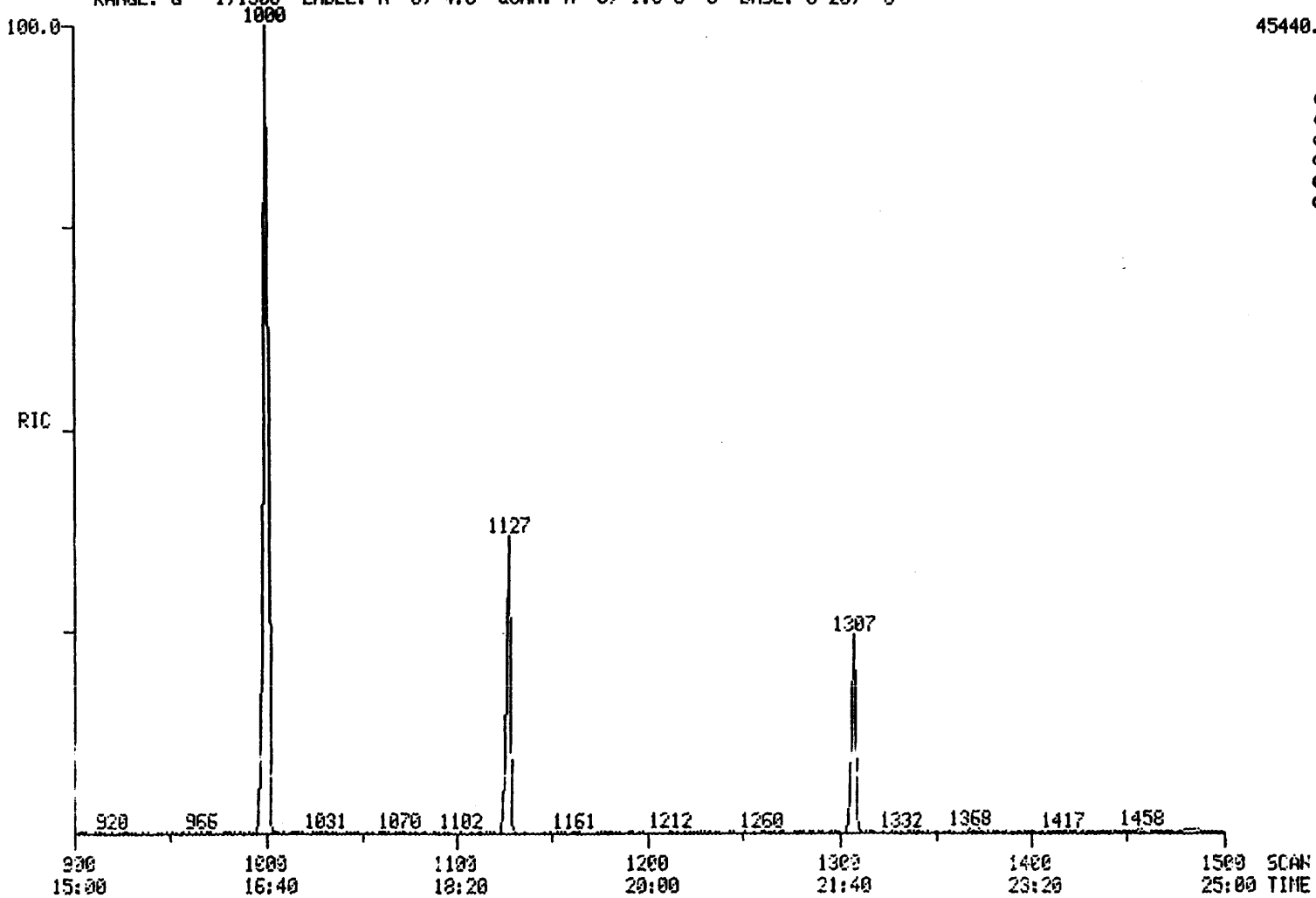
-14

CHESTER DC # ---

INST ID: 4510

RIC
03/16/93 12:59:00
SAMPLE: SBLK
CONDS.: ---
RANGE: G 1,1500 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9B03101C01 #1 SCANS 900 TO 1500
CALI: 9B03101C01 #3



011337

CHESTER DC # --- -14

SEMIVOLATILE WATER REPORT

SAMPLE ID.	SBLK		
FILENAME	9B03101C01	INST ID.	4510
CLIENT	CHESTER	ANALYST	JDD
DATE INJECTED	03/16/93 12:59:00	VERIFIED BY	JDD
CALIB STD DATE	03/09/93	CORR. FACTOR	1.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
208	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	20 UG/L	1.000	1096
346	CI40	NAPHTHALENE-D8 ** IS2 **	136	20 UG/L	1.000	4140
574	CI50	ACENAPHTHENE-D10 ** IS3 **	164	20 UG/L	1.000	2124
767	CI60	PHENANTHRENE-D10 ** IS4 **	188	20 UG/L	1.000	3044
1127	CI70	CHRYSENE-D12 ** IS5 **	240	20 UG/L	1.000	1588
1307	CI75	PERYLENE-D12 ** IS6 **	264	20 UG/L	1.000	1136
269	CS20	NITROBENZENE-D5 ** SU3 **	82	96 %	0.777	3457
496	CS25	2-FLUOROBIPHENYL ** SU4 **	172	85 %	0.864	6127
1000	CS30	TERPHENYL-D14 ** SU6 **	244	87 %	0.887	4660

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT James + Moore

LAB NO. 1493-03101

ANALYST ERC

DATE 3-12-93

RUSH

DASH NO.	I.D. NO.	TARE WT. (a)	TARE (b) + WET SX.	TARE (c) + DRY SX.	DIFF. IN WT. OF H_2O LOST(d)	CORRECTION FACTOR (e)	WT. OF SX. USED FOR EXTR. (f)	DRY WT. (g)	DRY WT. FACTOR (h)
002	SC-PW1(+10)	1.51	5.35	5.34	0.01	0.991			1.00
003	SC-PW(-200)	1.52	5.84	5.81	0.03	0.993			1.00
005	SC-PW2(+10)	1.56	5.23	5.21	0.02	0.994			1.01
008	SC-PW2(-10+200)	1.54	5.43	5.42	0.01	0.997			1.00
014	SC-PW3(+10) ~~(-10+200)~~	1.61	6.23	6.20	0.03	0.993			1.01 ERC
015	SC-PW3(-10+200)	1.57	5.81	5.80	0.01	0.997			1.00
017	SC-PW4(+10)	1.58	5.27	5.26	0.01	0.997			1.00
018	SC-PW4(-10+200)	1.56	5.36	5.36	0.00	1.			1.
020	SC-PW5(+10)	ERC 1.56 ~~1.54~~	5.38 ERC ~~5.38~~	5.37	0.01	0.997			1.00
021	SC-PW5(-10+200)	1.54	5.19	5.19	0.00	1.			1.
023	SC-PW6(+10)	1.50	5.08	5.05	0.03	0.991			1.01
024	SC-PW6(-10+200)	1.51	5.83	5.82	0.01	0.997			1.00
026	SC-PW7(+10)	1.61	4.42	4.37	0.05	0.982			1.02

$d = (b-a) - (c-a)$ $\quad g = f\frac{(c-a)}{(b-a)}$ $\quad h = f/g = 1/e$ $\quad e = \frac{c-a}{b-a}$

Date Submitted: 03-12-93

Submitted By BH

000053

011339

011339

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT Jones + Moore

LAB NO. H93-03-101

RUSH

ANALYST ERC

DATE 3-12-93

DASH NO.	I.D. NO.	TARE WT (a)	TARE (b) + WET SX.	TARE (c) + DRY SX.	DIFF. IN WT. OF H_2O LOST(d)	CORRECTION FACTOR (e)	WT. OF SX. USED FOR EXTR. (f)	DRY WT. (g)	DRY WT. FACTOR (h)
027	SC-PW 7(-20)	1.59	5.49	5.48	0.01	0.997			1.00
029	SC-PW 8(+10)	1.60	5.59	5.56	0.03	0.992			1.01
030	SC-PW 8(-10+20)	1.59	5.19	5.18	0.01	0.997			1.00
032	SC-PW 9(+10)	1.58	5.64	5.63	0.01	0.997			1.00
033	SC-PW 9(-10+20)	1.58	5.27	5.26	0.01	0.997			1.00
035	SC-PW 10(+10)	1.54	5.41	5.35	0.06	0.984			1.02
036	SC-PW 10(-10+20)	1.53	5.62	5.61	0.01	0.997			1.00
038	SC-PW Dup(+10)	1.58	6.24	6.23	0.01	0.997			1.00
	Nothing Follows						Nothing Follows		

d = (b-a) - (c-a) g = f (c-a)/(b-a) h = f/g = 1/e e = c-a/b-a

Date Submitted: 03-12-93

Submitted By BH

Dry Wt Fct (Rev 1/92)

011340

011340

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT Dames & Moore

LAB NO. 1993-03101

ANALYST [illegible]

DATE 3/17/93

DASH NO.	I.D. NO.	TARE WT. (a)	TARE (b) + WET SX.	TARE (c) + DRY SX.	DIFF. IN WT. OF H_2O LOST(d)	CORRECTION FACTOR (e)	WT. OF SX. USED FOR EXTR. (f)	DRY WT. (g)	DRY WT. FACTOR (h)
039	SC-PW Dup (-10+20)	1.52	5.69	5.66	0.03	0.992	—	—	1.00

$d = (b-a) - (c-a)$ $\quad g = f\frac{(c-a)}{(b-a)}$ $\quad h = f/g = 1/e$ $\quad e = \frac{c-a}{b-a}$

4.17 - 4.14

Date Submitted: 3/18/93

Submitted By [illegible]

Dry Wt. Ext. (Rev. 1/92)

011341

011341

11-MAR-1993

Pa

KEYSTONE LAB - HOUSTON
Job Summary Sheet

Produced on 11-MAR-1993

PRIORITY

DAMES_MOOR
Dames and Moore
4321 Directors Row
Suite 200
Houston, TX 77092

Work Order : H93-03.101
Due Date : 21-MAR-1993
Date Rec'd : 11-MAR-1993
Project ID :
P.O. Number: 28804

Attention:

Contact: TROY HOPPER

Job Description: DAMES & MOORE (RCRA)
Number of samples: 42 Sampled by: CLIENT

Job Comments:
RUSH! 10 DAY TURNAROUND. MS_SV:PLEASE ANALYZE FOR cPAH'S AND REFER TO THE ATTACHED LIST.
SAMPLE IDENTIFICATION

Lab ID	Client ID	Samp Pnt.	Sample Matrix	Date Sampled
101-001	LAB BLANK	QA_QC	WATERSOI	10-MAR-93
101-002	SC-PW 1 (+10)	X	SOIL	10-MAR-93
101-003	SC-PW 1 (-10+200)	X	SOIL	10-MAR-93
101-004	SC-PW 1 (-200)	X	LIQUID	10-MAR-93
101-005	SC-PW 2 (+10)	X	SOIL	10-MAR-93
101-006	SC-PW 2 (+10) MS	QA_QC	SOIL	10-MAR-93
101-007	SC-PW 2 (+10) MSD	QA_QC	SOIL	10-MAR-93
101-008	SC-PW 2 (-10+200)	X	SOIL	10-MAR-93
101-009	SC-PW 2 (-10+200) MS	X	SOIL	10-MAR-93
101-010	SC-PW 2 (-10+200) MSD	QA_QC	SOIL	10-MAR-93
101-011	SC-PW 2 (-200)	X	LIQUID	10-MAR-93
101-012	SC-PW 2 (-200) MS	QA_QC	LIQUID	10-MAR-93
101-013	SC-PW 2 (-200) MSD	QA_QC	LIQUID	10-MAR-93
101-014	SC-PW 3 (+10)	X	SOIL	10-MAR-93
101-015	SC-PW 3 (-10+200)	X	SOIL	10-MAR-93
101-016	SC-PW 3 (-200)	X	LIQUID	10-MAR-93
101-017	SC-PW 4 (+10)	X	SOIL	10-MAR-93
101-018	SC-PW 4 (-10+200)	X	SOIL	10-MAR-93
101-019	SC-PW 4 (-200)	X	LIQUID	10-MAR-93
101-020	SC-PW 5 (+10)	X	SOIL	10-MAR-93
101-021	SV-PW 5 (-10+200)	X	SOIL	10-MAR-93
101-022	SC-PW 5 (-200)	X	LIQUID	10-MAR-93
101-023	SC-PW 6 (+10)	X	SOIL	10-MAR-93
101-024	SC-PW 6 (-10+200)	X	SOIL	10-MAR-93
101-025	SC-PW 6 (-200)	X	LIQUID	10-MAR-93
101-026	SC-PW 7 (+10)	X	SOIL	10-MAR-93
101-027	SC-PW 7 (-10+200)	X	SOIL	10-MAR-93

000202

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KEYSTONE LAB - HOUSTON
Job Summary Sheet

Produced on 11-MAR-1993

SAMPLE IDENTIFICATION

Lab ID	Client ID	Samp Pnt.	Sample Matrix	Date Sampled
101-028	SC-PW 7 (-200)	X	LIQUID	10-MAR-93
101-029	SC-PW 8 (+10)	X	SOIL	10-MAR-93
101-030	SC-PW 8 (-10+200)	X	SOIL	10-MAR-93
101-031	SC-PW 8 (-200)	X	LIQUID	10-MAR-93
101-032	SC-PW 9 (+10)	X	SOIL	10-MAR-93
101-033	SC-PW 9 (-10+200)	X	SOIL	10-MAR-93
101-034	SC-PW 9 (-200)	X	LIQUID	10-MAR-93
101-035	SC-PW 10 (+10)	X	SOIL	10-MAR-93
101-036	SC-PW 10 (-10+200)	X	SOIL	10-MAR-93
101-037	SC-PW 10 (-200)	X	LIQUID	10-MAR-93
101-038	SC-PW-DUP (+10)	X	SOIL	10-MAR-93
101-039	SC-PW DUP (-10+200)	X	SOIL	10-MAR-93
101-040	SC-PW DUP (-200)	X	LIQUID	10-MAR-93
101-041	SC-PW RINSATE	X	WATER	24-FEB-93
101-042	BLANK SPIKE	QA_QC	WATERSOI	10-MAR-93

Analysis ID	Parameter Description	Number of Analyses
DRY_WT	Dry Weight Factor	28
EXT_8270	Extraction by EPA 8270	16
EXT_8270SX	(Soil) Extraction by EPA 8270	28
SV_TCL	Semivolatiles (Target Compound List)	16
SV_TCL_SX	Semivolatiles (Target Compound List)-Soil	28

000294

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Work Order Department Traveller for

Mass Spectroscopy Semi-Volatile Group

Samples received on 11-MAR-1993

Work Order	Client	Project
H93-03.101	DAMES_MOOR	

Parameter	Sample number(s)	Number of Analyses	Due date
SV_TCL	101-001 to 101-042	16	30-MAR-1993+
SV_TCL_SX	101-001 to 101-042	28	29-MAR-1993

Job Comments:
RUSH! 10 DAY TURNAROUND. MS_SV:PLEASE ANALYZE FOR cPAH'S AND REFER TO ATTACHED LIST.

Special Instructions:
SAMPLES ARE ON WALK-IN FLOOR.

000295

Dames & Moore
Troy Hopper 688-4541

Keystone Lab-Houston

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Project Number 28804
Project Location South Cavalcade
Laboratory Keystone
Sampler(s) Wes Fiandt

SAMPLE BOTTLE / CONTAINER DESCRIPTION

SAMPLE IDENTITY	Date Sampled	Moisture Density (D698)	Grain Size (D-422) cPAH (8270)									TOTAL
SC-PW 1 Soil	2/24/93	X	X									
SC-PW 2 Soil		X	X									
SC-PW 3 Soil		X	X									
SC-PW 4 Soil		X	X									
SC-PW 5 Soil		X	X									
SC-PW 6 Soil		X	X									
SC-PW 7 Soil		X	X									
SC-PW 8 Soil		X	X									
SC-PW 9 Soil		X	X									
SC-PW 10 Soil		X	X									
SC-PW Dup. Soil		X	X									
SC-PW Rinseate		~~X~~	X									

Relinquished by: W [illegible]	Organization: Dames & Moore	Date: 2/24/93	Time 4:00PM	Seal Intact?
Received by: D [illegible]	Organization: [illegible]	Date: 2/24/93	Time 4:00 PM	Yes No N/A
Relinquished by:	Organization:	Date: / /	Time	Seal Intact?
Received by:	Organization:	Date: / /	Time	Yes No N/A

Special Instructions / Remarks:

Delivery Method: ☒ In Person ☐ Common Carrier _____ specify ☐ Lab Courier ☐ Other _____ specify

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