010227

APPENDIX E

RAW ANALYTICAL DATA

Beazer

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

VOLUME I OF IV

OCTOBER 1993

137004

137004

Dames & Moore

010227

010228

TABLE OF CONTENTS

CHESTER LABNET
RAW ANALYTICAL DATA

Volume I

Delivery Groups

H93-05.191
H93-06.16

Reference Project: Soil Washing Pilot Study Report
South Calvacade Superfund Site

Appendix E

010229

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 : 8074

WORK ORDER : H93-05.191
DATE RECEIVED : 21-MAY-1993

SAMPLE & ANALYSIS SUMMARY

Chester LabNet Sample ID	Client's Sample Name	Date Collected	Sample Matrix
H93-05.191-001	LAB BLANK	19-MAY-1993	SOIL
H93-05.191-002	#1	19-MAY-1993	SOIL
H93-05.191-003	#1 MS	19-MAY-1993	SOIL
H93-05.191-004	#1 MSD	19-MAY-1993	SOIL
H93-05.191-005	#2	19-MAY-1993	SOIL
H93-05.191-006	#3	19-MAY-1993	SOIL
H93-05.191-007	#4	19-MAY-1993	SOIL
H93-05.191-008	#5	19-MAY-1993	SOIL
H93-05.191-009	#6	19-MAY-1993	SOIL
H93-05.191-010	#7	19-MAY-1993	SOIL
H93-05.191-011	#8	19-MAY-1993	SOIL
H93-05.191-012	#9	19-MAY-1993	SOIL
H93-05.191-013	#10	19-MAY-1993	SOIL
H93-05.191-014	#11	19-MAY-1993	SOIL
H93-05.191-015	#12	19-MAY-1993	SOIL
H93-05.191-016	#16	19-MAY-1993	SOIL
H93-05.191-017	#17	19-MAY-1993	SOIL
H93-05.191-018	#18	19-MAY-1993	SOIL
H93-05.191-019	#19	19-MAY-1993	SOIL
H93-05.191-020	#20	19-MAY-1993	SOIL
H93-05.191-021	#21	19-MAY-1993	SOIL
H93-05.191-022	#22	19-MAY-1993	SOIL
H93-05.191-023	#23	19-MAY-1993	SOIL
H93-05.191-024	#24	19-MAY-1993	SOIL
H93-05.191-025	#25	19-MAY-1993	SOIL
H93-05.191-026	#26	19-MAY-1993	WATER

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

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

CONTRACTOR: CHESTER LABNET SITE: SOUTH CAVALCADE

PROJ.NO. 8074 LAB NO.:H93-05.191

I. RECEIPT

A. DATE: May 21, 1993

B. NO. OF SAMPLES: (25) SOILS (1) WATER

C. CLIENT SAMPLE ID's: #1; #2; #3; #4; #5; #6; #7; #8; #9; #10; #11; #12; #13; #14; #15; #16; #17; #18; #19; #20; #21; #22; #23; #24; #25; #26.

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: None

G. DOCUMENTATION: Data Quality Objective (DQO) level III
Soil samples provided from Hazen Research, Inc.

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

CLIENT ID	MATRIX	All Parameters
#1 (+1" F&G 2.2 sink)	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 present.

B. EXTRACTION PROBLEMS: None

III. ANALYSIS

A. ANALYSIS: Sample (#5) 9U05191C08 was analyzed twice due to low 1st Internal Std. area count. Upon second analyses, the 1st Internal Std area count continue to reflect low response. Both sets of data submitted.

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

June 10, 1993

Date

* Samples submitted for C-PAH Analysis
23 Total Samples with this shipment

HAZEN

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

CHAIN OF CUSTODY RECORD

Proj No.

Project Name: 8074

Samplers (Signature): [signature] (sample I.D.)

Note: Approximately 400g of sample in each jar

Sta. No.	Date	Time	Comp.	Grab	Station Location (I.D. CODE)	No. of Containers	Remarks
#1	5/19/93				+1" F&G 2.2 Sink	1	Crushed to 1/4" - F&G Tests
#2	5/19/93				+1" F&G 2.2 Float	1	" "
#3	5/19/93				+1" F&G 2.0 Float	1	+1 inch material "
#4	5/19/93				-1" +10m F&G 2.2 Sink	1	
#5	5/19/93				-1" +10m F&G 2.2 Float	1	
#6	5/19/93				-1" +10m F&G 2.0 Float	1	Not crushed
#7	5/19/93				-10m +80m F&G	1	
#8	5/19/93				-80m +200m F&G	1	less than 200 grams
#9	5/19/93				-200m F&G	1	
#10	5/19/93				-1" +10m SDE 2.2 Sink	1	
#11	5/19/93				-1" +10m SDE 2.2 Float	1	
#12	5/19/93				-1" +10m SDE 2.0 Float	1	
#16	5/19/93				MCD/SSDE-~~ST1 Conc~~ Head	1	Head sample
#17	5/19/93				MCD/SSDE-ST1 Conc.	1	
#18	5/19/93				MCD/SSDE-ST1 Mid	1	
#19	5/19/93				MCD/SSDE-ST1 Tail	1	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	5/19/93 1:30pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature)	Remarks:		
	09:00 5/21/93	D. Marsouki			

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originat

* Samples 13, 14, 15 will be sent on the next shipment

010233

Samples submitted for c-PAH analysis

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

CHAIN OF CUSTODY RECORD

Proj No.

Project Name 8074

Samplers (Signature) C. Giammona

Sta. No.	Date	Time	Comp.	Grab	Station Location (sample I.D. #)	No. of Containers	Remarks
#20	5/19/93				MCD/SSDE ST2 Conc	1	
#21	5/19/93				MCD/SSDE ST2 Mid	1	
#22	5/19/93				MCD/SSDE ST2 Tails	1	
#23	5/19/93				MCD/SSDE ST3 Conc	1	
#24	5/19/93				MCD/SSDE ST3 Mid	1	
#25	5/19/93				MCD/SSDE-ST3 Tail	1	
#26	5/19/93				8074 Process H2O	1	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
C. Giammona	5/19/93 2:30pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time 5/22/93	Received for laboratory by: (Signature)	Remarks:		

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originat

010234

010234

Keystone Lab - Houston
Soil Surrogate Recovery Summary
Keystone Work Order # H93-05.191

Client Sample Name	S1 NBZ	S2 FBP	S3 TPH	S4 PHL	S5 2FP	S6 TBP	S7 2CP	S8 DCB
#1	DL	DL	DL	DL	DL	DL	DL	DL
#1 MS	DL	DL	DL	DL	DL	DL	DL	DL
#1 MSD	DL	DL	DL	DL	DL	DL	DL	DL
#2	DL	DL	DL	DL	DL	DL	DL	DL
#3	DL	DL	DL	DL	DL	DL	DL	DL
#3 DL	DL	DL	DL	DL	DL	DL	DL	DL
#4	DL	DL	DL	DL	DL	DL	DL	DL
#5	DL	DL	DL	DL	DL	DL	DL	DL
#5 DL	DL	DL	DL	DL	DL	DL	DL	DL
#6	DL	DL	DL	DL	DL	DL	DL	DL
#6 DL	DL	DL	DL	DL	DL	DL	DL	DL
#7	DL	DL	DL	DL	DL	DL	DL	DL
#8	DL	DL	DL	DL	DL	DL	DL	DL
#8 DL	DL	DL	DL	DL	DL	DL	DL	DL
#9	DL	DL	DL	DL	DL	DL	DL	DL
#10	DL	DL	DL	DL	DL	DL	DL	DL
#11	DL	DL	DL	DL	DL	DL	DL	DL
#12	DL	DL	DL	DL	DL	DL	DL	DL
#16	DL	DL	DL	DL	DL	DL	DL	DL
#17	DL	DL	DL	DL	DL	DL	DL	DL
#18	DL	DL	DL	DL	DL	DL	DL	DL
#19	DL	DL	DL	DL	DL	DL	DL	DL
#20	DL	DL	DL	DL	DL	DL	DL	DL
#21	DL	DL	DL	DL	DL	DL	DL	DL
#22	DL	DL	DL	DL	DL	DL	DL	DL
#23	DL	DL	DL	DL	DL	DL	DL	DL
#24	DL	DL	DL	DL	DL	DL	DL	DL
#25	DL	DL	DL	DL	DL	DL	DL	DL
#26	NA	NA	NA	NA	NA	NA	NA	NA
SBLK 1 (LLS)	76	63	88	53	59	72	60	72
SBLK 2 (LLS)	74	67	72	51	58	72	56	68

Surrogate Name	QC LIMITS	Surrogate Name	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	22-120	S2 (FBP) = 2-Fluorobiphenyl	30-115
S3 (TPH) = Terphenyl-d14	18-137	S4 (PHL) = Phenol-d5	24-113
S5 (2FP) = 2-Fluorophenol	25-121	S6 (TBP) = 2,4,6-Tribromophenol	19-122
S7 (2CP) = 2-Chlorophenol-d4	20-130**	S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130**

0 out of 16 : outside of QC limits.

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

010236

Summary of Analytical Results

Date received: 21-MAY-1993 Customer: Dames and Moore Job name: H93-05.191

		Samples	
Chester LabNet ID		191-001	191-026
Sampling Point		QA QC	X
Date Sampled		19-MAY-1993	19-MAY-1993
Customer ID		LAB BLANK	#26
Parameters	**Units**		
CONVENTIONAL CHEMISTRIES			
Total Suspended Solids	mg/L	<2.0	550

000006

010237

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519102
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C02
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	68000	75000
C740	CHRYSENE	68000	79000
C765	BENZO(B)FLUORANTHENE	68000	84000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	64000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	35000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	11000 J

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

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519102
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C02
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	68000	70000
C540	ACENAPHTHYLENE	68000	3800 J
C550	ACENAPHTHENE	68000	56000 J
C590	FLUORENE	68000	78000
C640	PHENANTHRENE	68000	260000
C645	ANTHRACENE	68000	78000
C655	FLUORANTHENE	68000	200000
C715	PYRENE	68000	170000
C730	BENZO(A)ANTHRACENE	68000	75000
C740	CHRYSENE	68000	79000
C765	BENZO(B)FLUORANTHENE	68000	84000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	64000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	35000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	11000 J
C790	BENZO(GHI)PERYLENE	68000	29000 J

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

-14

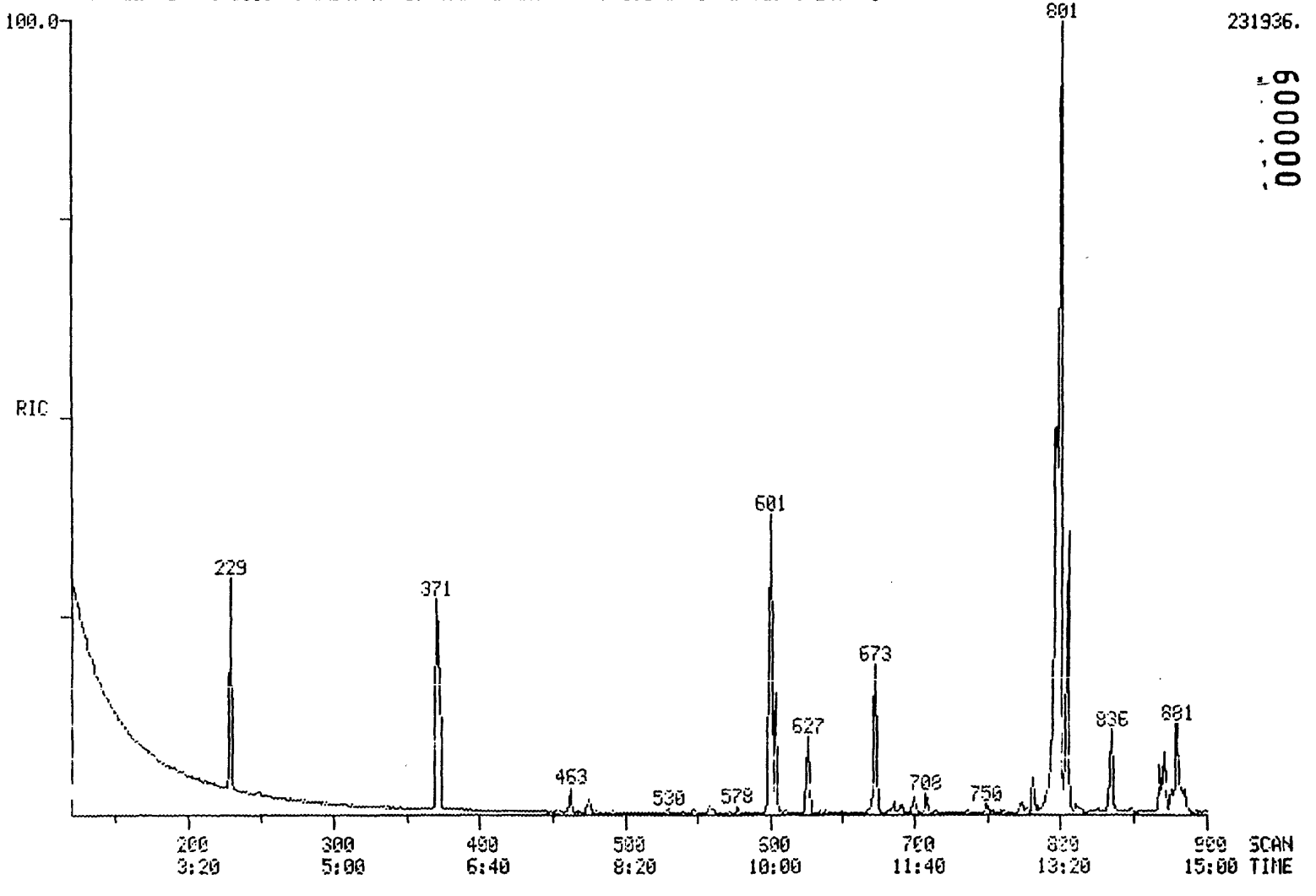
RIC
05/26/93 19:06:00
SAMPLE: #1
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C02 #1
CALI: 9U05191C02 #3

SCANS 120 TO 900

CHESTER DC # ---

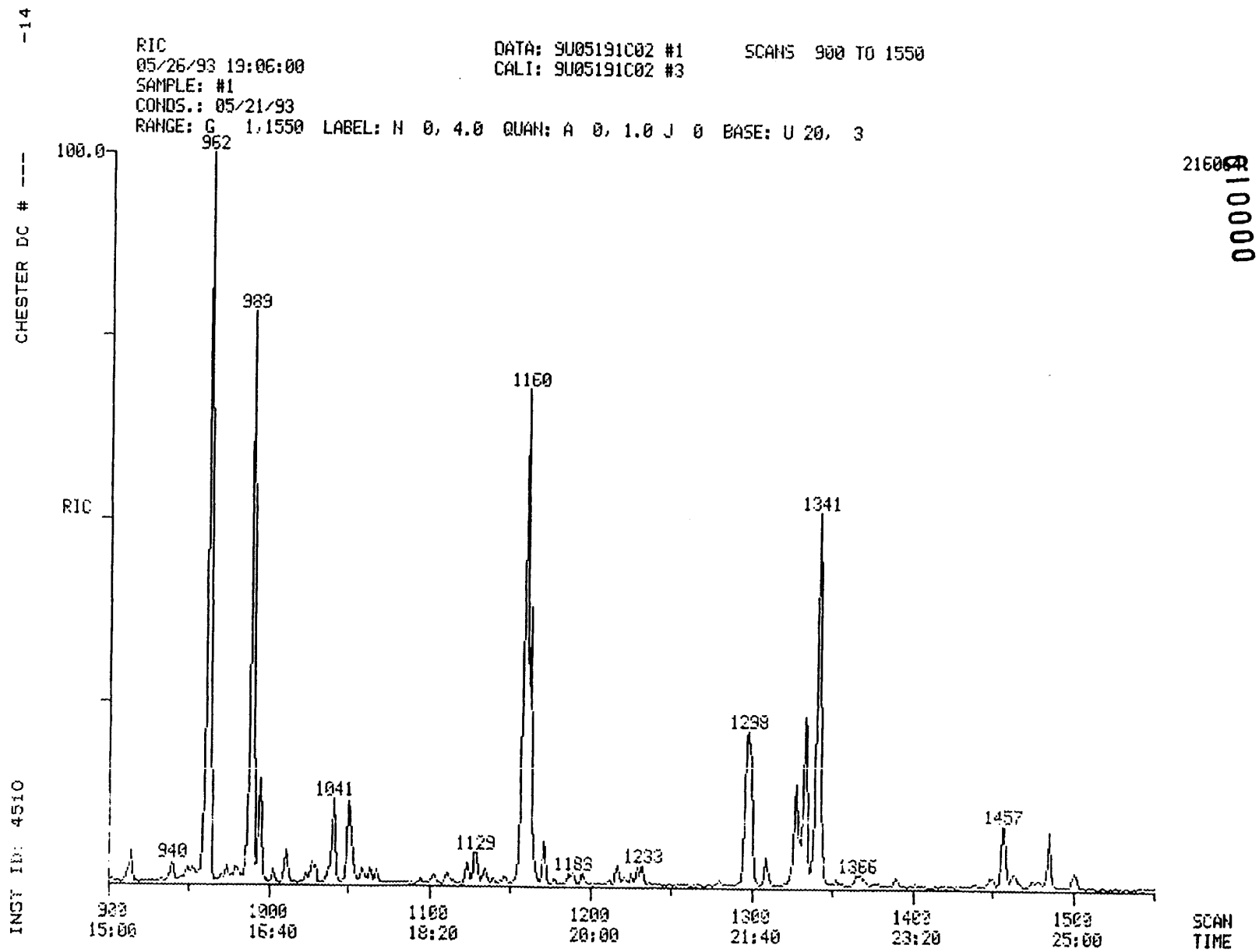
INST ID: 4510



231936.

000009

010239


-14
RIC
05/26/93 19:06:00
SAMPLE: #1
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U05191C02 #1
CALI: 9U05191C02 #3
SCANS 900 TO 1550
CHESTER DC # ---
INST ID: 4510
100.0
RIC
962
989
1160
1341
1298
1041
1129
1183
1233
1366
1457
940
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
1400
23:20
1500
25:00
SCAN
TIME
010000
010240

010241

CHESTER DC # ----14

SEMIVOLATILE SOIL REPORT

SAMPLE ID. #1

FILENAME 9U05191C02 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 19:06:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 6800.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT		RRT	AREA
229	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	136000	UG/KG	1.000	2215
371	CI40	NAPHTHALENE-D8 ** IS2 **		136	136000	UG/KG	1.000	6282
601	CI50	ACENAPHTHENE-D10 ** IS3 **		164	136000	UG/KG	1.000	5208
777	CI60	PHENANTHRENE-D10 ** IS4 **		188	136000	UG/KG	1.000	12392
1160	CI70	CHRYSENE-D12 ** IS5 **		240	136000	UG/KG	1.000	10939
1341	CI75	PERYLENE-D12 ** IS6 **		264	136000	UG/KG	1.000	10457
373	C450	NAPHTHALENE	39B	128	69796	UG/KG	1.005	2901
578	C540	ACENAPHTHYLENE	2B	152	3807	UG/KG	0.962	209
605	C550	ACENAPHTHENE	1B	153	56253	UG/KG	1.007	1741
673	C590	FLUORENE	32B	166	78445	UG/KG	1.120	3235
801	C640	PHENANTHRENE	44B	178	262278	UG/KG	1.005	27147
806	C645	ANTHRACENE	3B	178	78205	UG/KG	1.011	7407
962	C655	FLUORANTHENE	31B	202	195768	UG/KG	1.207	23245
989	C715	PYRENE	45B	202	167334	UG/KG	0.853	17681
1158	C730	BENZO(A)ANTHRACENE	5B	228	75244	UG/KG	0.998	7302
1163	C740	CHRYSENE	18B	228	79297	UG/KG	1.003	6326
1297	C765	BENZO(B)FLUORANTHENE	7B	252	83685	UG/KG	0.967	8078
1333	C775	BENZO(A)PYRENE	6B	252	64375	UG/KG	0.994	4941
1457	C780	INDENO(1,2,3-CD)PYRENE	37B	276	35233	UG/KG	1.087	2178
1464	C785	DIBENZO(A,H)ANTHRACENE	19B	278	10930	UG/KG	1.092	651
1485	C790	BENZO(GHI)PERYLENE	8B	276	29031	UG/KG	1.107	1959

*SURROGATES WERE DILUTED OUT

010242

INST ID: 4510 SAMPLE NUMBER: #2

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519105
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C05B
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	270	470
C740	CHRYSENE	270	560
C765	BENZO(B)FLUORANTHENE	270	350
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	340
C780	INDENO(1,2,3-CD)PYRENE	270	200 J
C785	DIBENZO(A,H)ANTHRACENE	270	62 J

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

010243

INST ID: 4310 SAMPLE NUMBER: #2

ORGANICS ANALYSIS DATA SHEET

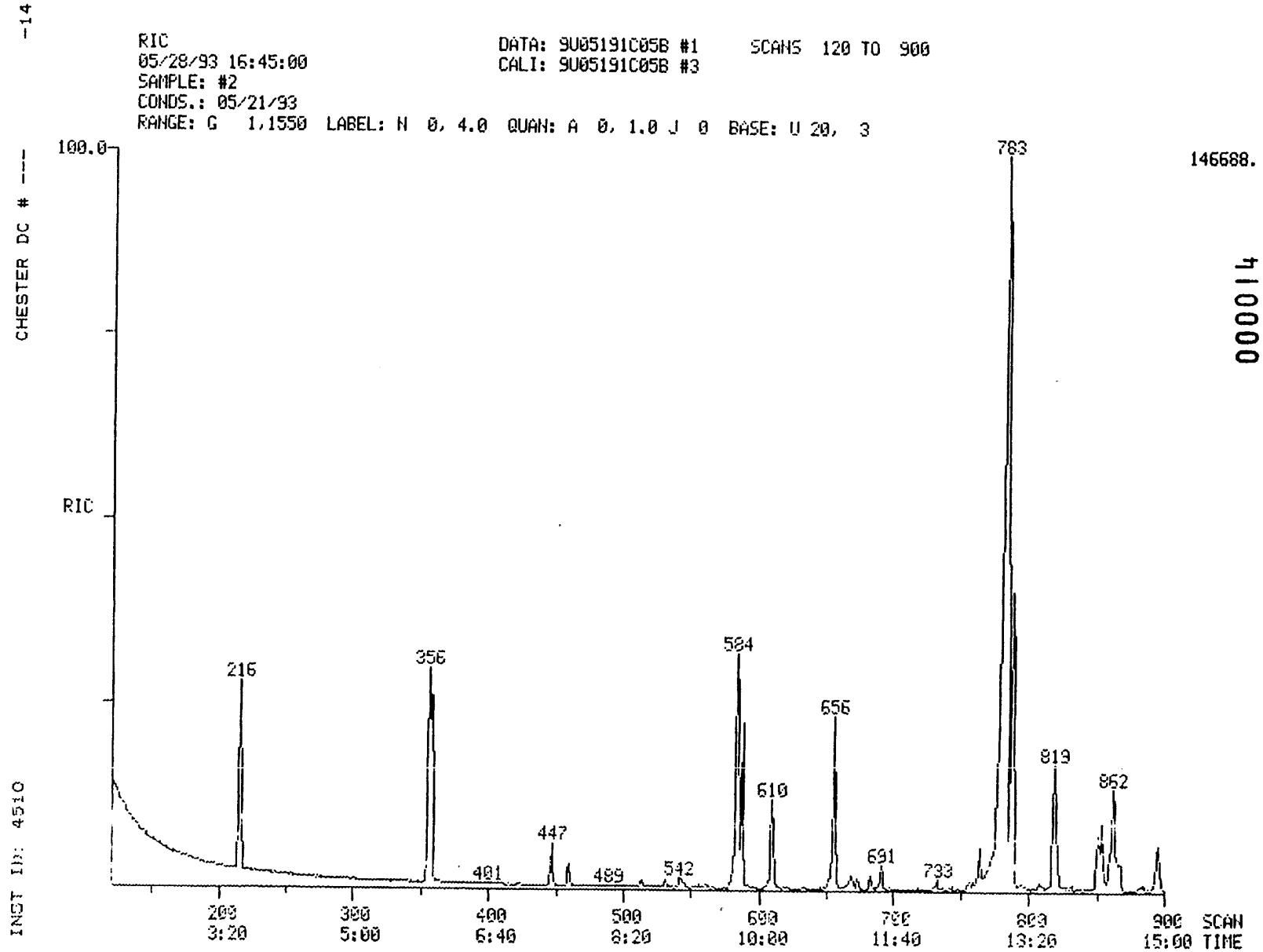
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519105
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: .... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C05B
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	270	430
C540	ACENAPHTHYLENE	270	9 J
C550	ACENAPHTHENE	270	340
C590	FLUORENE	270	450
C640	PHENANTHRENE	270	1700
C645	ANTHRACENE	270	610
C655	FLUORANTHENE	270	1100
C715	PYRENE	270	950
C730	BENZO(A)ANTHRACENE	270	470
C740	CHRYSENE	270	560
C765	BENZO(B)FLUORANTHENE	270	350
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	340
C780	INDENO(1,2,3-CD)PYRENE	270	200 J
C785	DIBENZO(A,H)ANTHRACENE	270	62 J
C790	BENZO(GHI)PERYLENE	270	150 J

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



000014

010244

010244

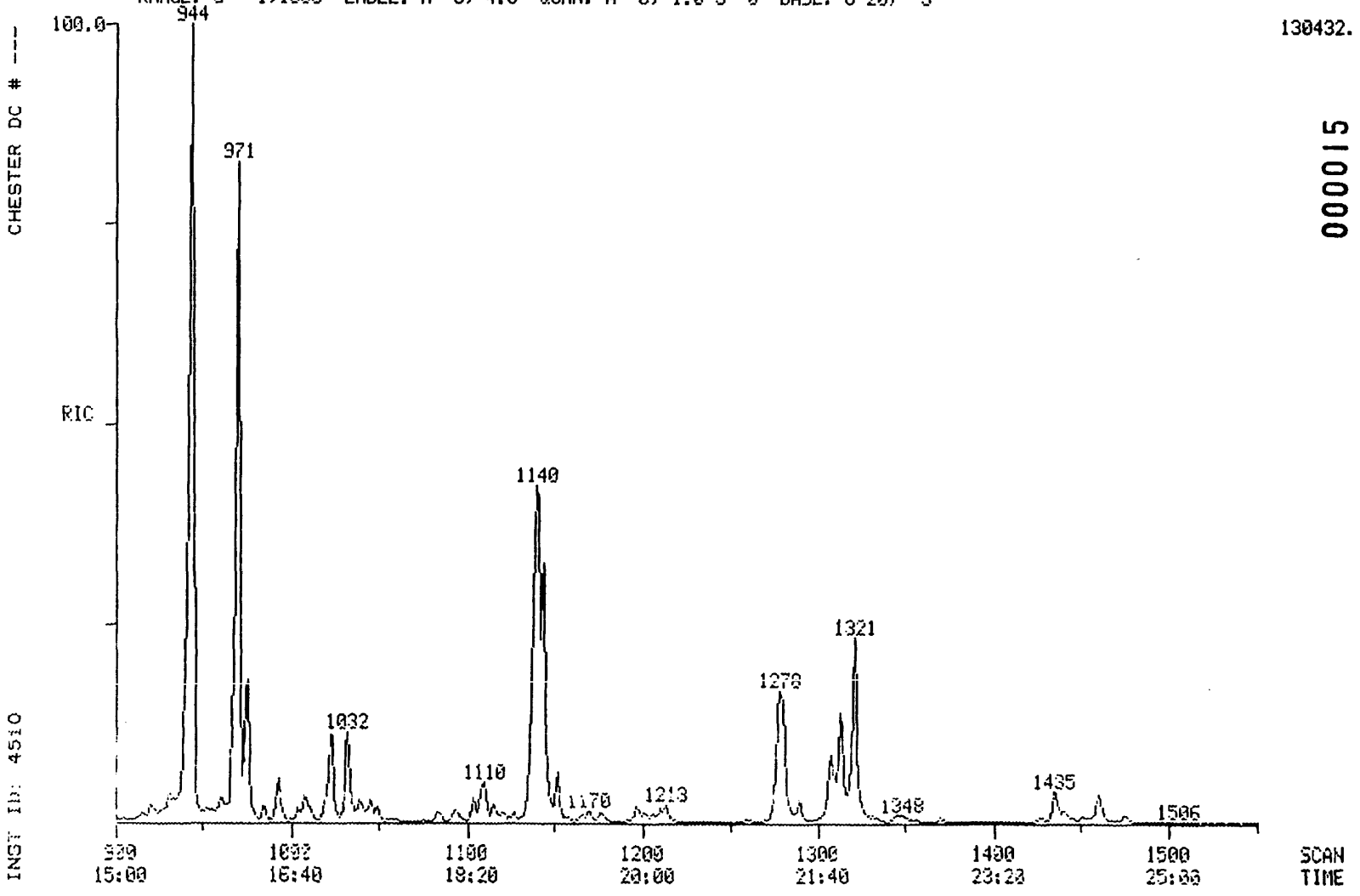
-14

RIC
05/28/93 16:45:00
SAMPLE: #2
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C05B #1 SCANS 900 TO 1550
CALI: 9U05191C05B #3

130432.

000015



010245

010246

SAMPLE ID. #2

FILENAME 9U05191C05B INST ID. 4510

CLIENT DAMES&MO ANALYST JZ

DATE INJECTED 05/28/93 16:45:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 27.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT		RRT	AREA
216	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	540	MG/KG	1.000	915
356	CI40	NAPHTHALENE-D8 ** IS2 **		136	540	MG/KG	1.000	3993
584	CI50	ACENAPHTHENE-D10 ** IS3 **		164	540	MG/KG	1.000	3322
779	CI60	PHENANTHRENE-D10 ** IS4 **		188	540	MG/KG	1.000	6381
1141	CI70	CHRYSENE-D12 ** IS5 **		240	540	MG/KG	1.000	4945
1321	CI75	PERYLENE-D12 ** IS6 **		264	540	MG/KG	1.000	4058
358	C450	NAPHTHALENE	39B	128	428	MG/KG	1.006	2939
561	C540	ACENAPHTHYLENE	2B	152	9	MG/KG	0.961	76
588	C550	ACENAPHTHENE	1B	153	338	MG/KG	1.007	1607
656	C590	FLUORENE	32B	166	448	MG/KG	1.123	2852
783	C640	PHENANTHRENE	44B	178	1714	MG/KG	1.005	21341
788	C645	ANTHRACENE	3B	178	608	MG/KG	1.012	6614
944	C655	FLUORANTHENE	31B	202	1067	MG/KG	1.212	18148
971	C715	PYRENE	45B	202	949	MG/KG	0.851	13283
1139	C730	BENZO(A)ANTHRACENE	5B	228	473	MG/KG	0.998	5052
1144	C740	CHRYSENE	18B	228	558	MG/KG	1.003	4638
1278	C765	BENZO(B)FLUORANTHENE	7B	252	351	MG/KG	0.967	4834
1313	C775	BENZO(A)PYRENE	6B	252	336	MG/KG	0.994	2664
1435	C780	INDENO(1,2,3-CD)PYRENE	37B	276	202	MG/KG	1.086	1003
1441	C785	DIBENZO(A,H)ANTHRACENE	19B	278	62	MG/KG	1.091	305
1461	C790	BENZO(GHI)PERYLENE	8B	276	155	MG/KG	1.106	885

*SURROGATES WERE DILUTED OUT

010247

INST ID: 4510 SAMPLE NUMBER: #3

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519106
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: .... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C06
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	550	4000 *
C740	CHRYSENE	550	3100
C765	BENZO(B)FLUORANTHENE	550	5400 *
C770	BENZO(K)FLUORANTHENE	550 U	
C775	BENZO(A)PYRENE	550	3400
C780	INDENO(1,2,3-CD)PYRENE	550	3000
C785	DIBENZO(A,H)ANTHRACENE	550	1200

U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:500 DILUTION

010247

010248

INST ID: 4010 SAMPLE NUMBER: #3

ORGANICS ANALYSIS DATA SHEET

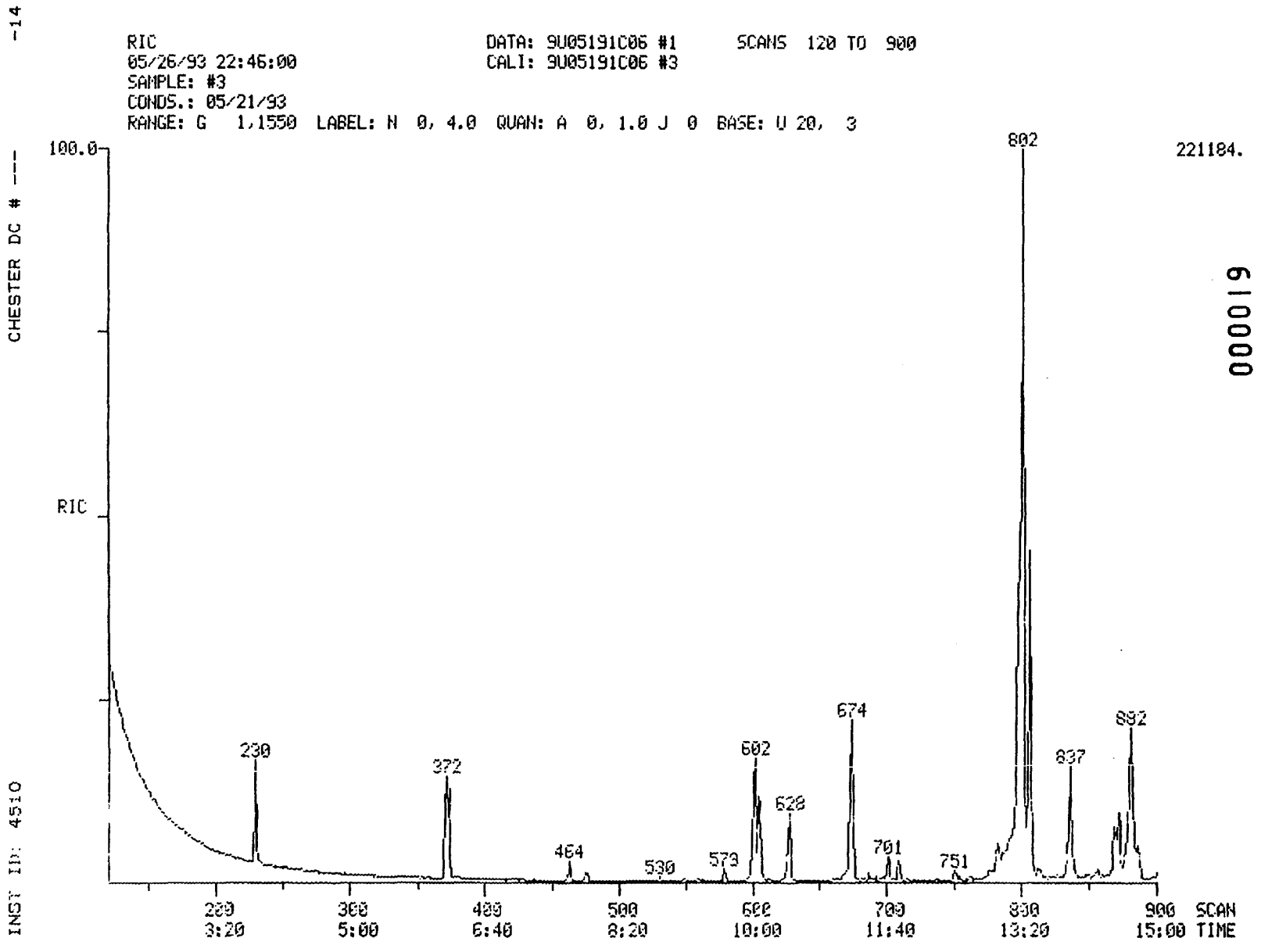
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519106
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C06
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	550	1000
C540	ACENAPHTHYLENE	550	140 J
C550	ACENAPHTHENE	550	870
C590	FLUORENE	550	1700
C640	PHENANTHRENE	550	3900
C645	ANTHRACENE	550	1400
C655	FLUORANTHENE	550	7500 *
C715	PYRENE	550	4900 *
C730	BENZO(A)ANTHRACENE	550	4000 *
C740	CHRYSENE	550	3100
C765	BENZO(B)FLUORANTHENE	550	5400 *
C770	BENZO(K)FLUORANTHENE	550 U	
C775	BENZO(A)PYRENE	550	3400
C780	INDENO(1,2,3-CD)PYRENE	550	3000
C785	DIBENZO(A,H)ANTHRACENE	550	1200
C790	BENZO(GHI)PERYLENE	550	2200

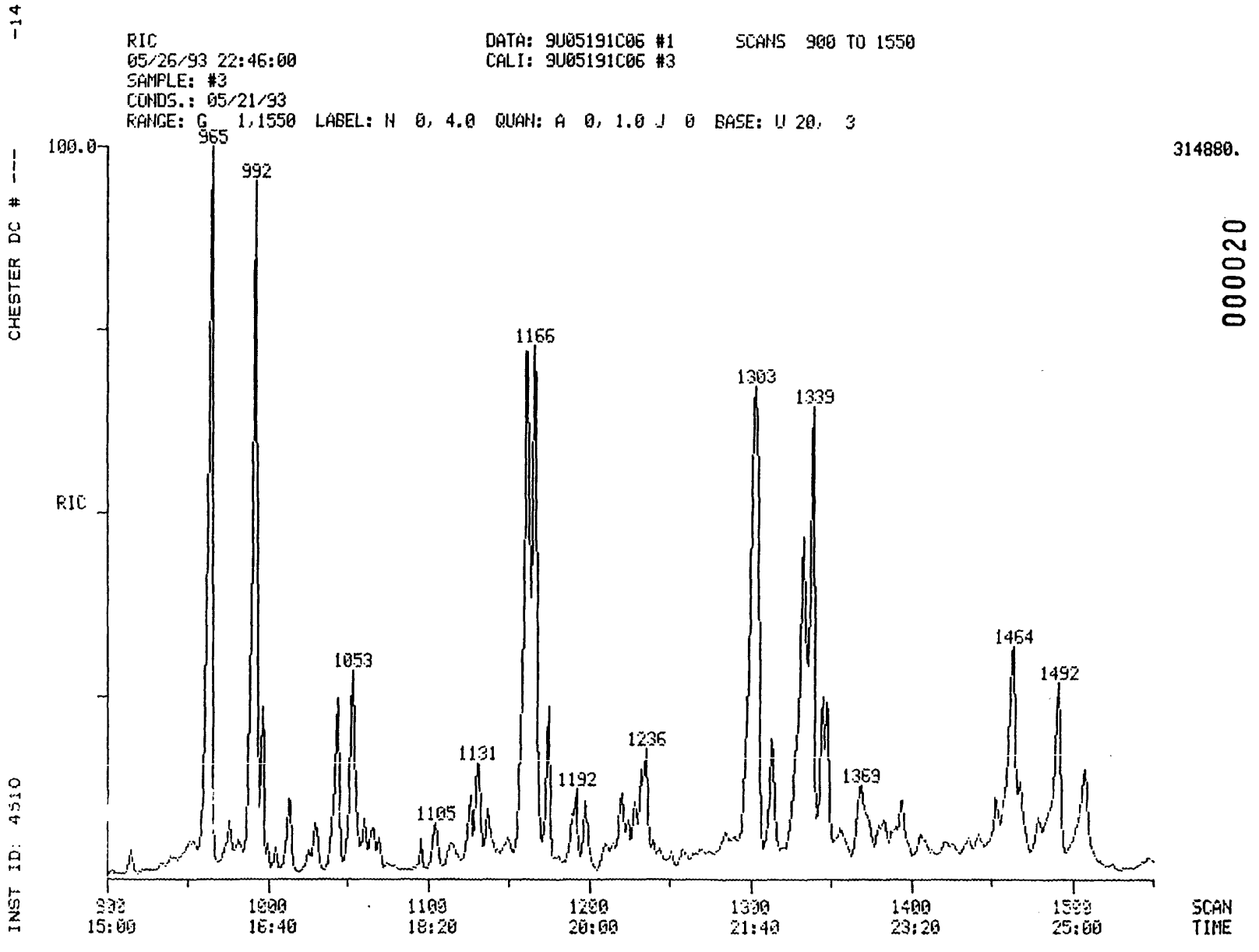
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:500 DILUTION



000019

010249

010249



000020

010250

010250

010251

SAMPLE ID. #3

FILENAME 9U05191C06 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 22:46:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 55.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
230	C130	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	1100 MG/KG	1.000	969
372	C140	NAPHTHALENE-D8 ** IS2 **		136	1100 MG/KG	1.000	3024
602	C150	ACENAPHTHENE-D10 ** IS3 **		164	1100 MG/KG	1.000	2690
798	C160	PHENANTHRENE-D10 ** IS4 **		188	1100 MG/KG	1.000	7310
1163	C170	CHRYSENE-D12 ** IS5 **		240	1100 MG/KG	1.000	6458
1345	C175	PERYLENE-D12 ** IS6 **		264	1100 MG/KG	1.000	6246
374	C450	NAPHTHALENE	39B	128	999 MG/KG	1.005	2472
579	C540	ACENAPHTHYLENE	2B	152	141 MG/KG	0.962	495
605	C550	ACENAPHTHENE	1B	153	875 MG/KG	1.005	1728
674	C590	FLUORENE	32B	166	1655 MG/KG	1.120	4358
802	C640	PHENANTHRENE	44B	178	3901 MG/KG	1.005	29452
807	C645	ANTHRACENE	3B	178	1418 MG/KG	1.011	9794
965	C655	FLUORANTHENE	31B	202	5457 MG/KG	1.209	47265
992	C715	PYRENE	45B	202	5357 MG/KG	0.853	41317
1161	C730	BENZO(A)ANTHRACENE	5B	228	4925 MG/KG	0.998	34887
1166	C740	CHRYSENE	18B	228	3110 MG/KG	1.003	18111
1303	C765	BENZO(B)FLUORANTHENE	7B	252	5747 MG/KG	0.969	40975
1333	C775	BENZO(A)PYRENE	6B	252	3357 MG/KG	0.991	19031
1463	C780	INDENO(1,2,3-CD)PYRENE	37B	276	3000 MG/KG	1.088	13699
1468	C785	DIBENZO(A,H)ANTHRACENE	19B	278	1221 MG/KG	1.091	5377
1492	C790	BENZO(GHI)PERYLENE	8B	276	2153 MG/KG	1.109	10733

*SURROGATES WERE DILUTED OUT

010252

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #4

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519107
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C07
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	140000	150000
C740	CHRYSENE	140000	180000
C765	BENZO(B)FLUORANTHENE	140000	160000
C770	BENZO(K)FLUORANTHENE	140000 U	
C775	BENZO(A)PYRENE	140000	77000 J
C780	INDENO(1,2,3-CD)PYRENE	140000	79000 J
C785	DIBENZO(A,H)ANTHRACENE	140000	24000 J

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

CHESTER DC # --- - 8

INST ID: 4910 SAMPLE NUMBER: #4

ORGANICS ANALYSIS DATA SHEET

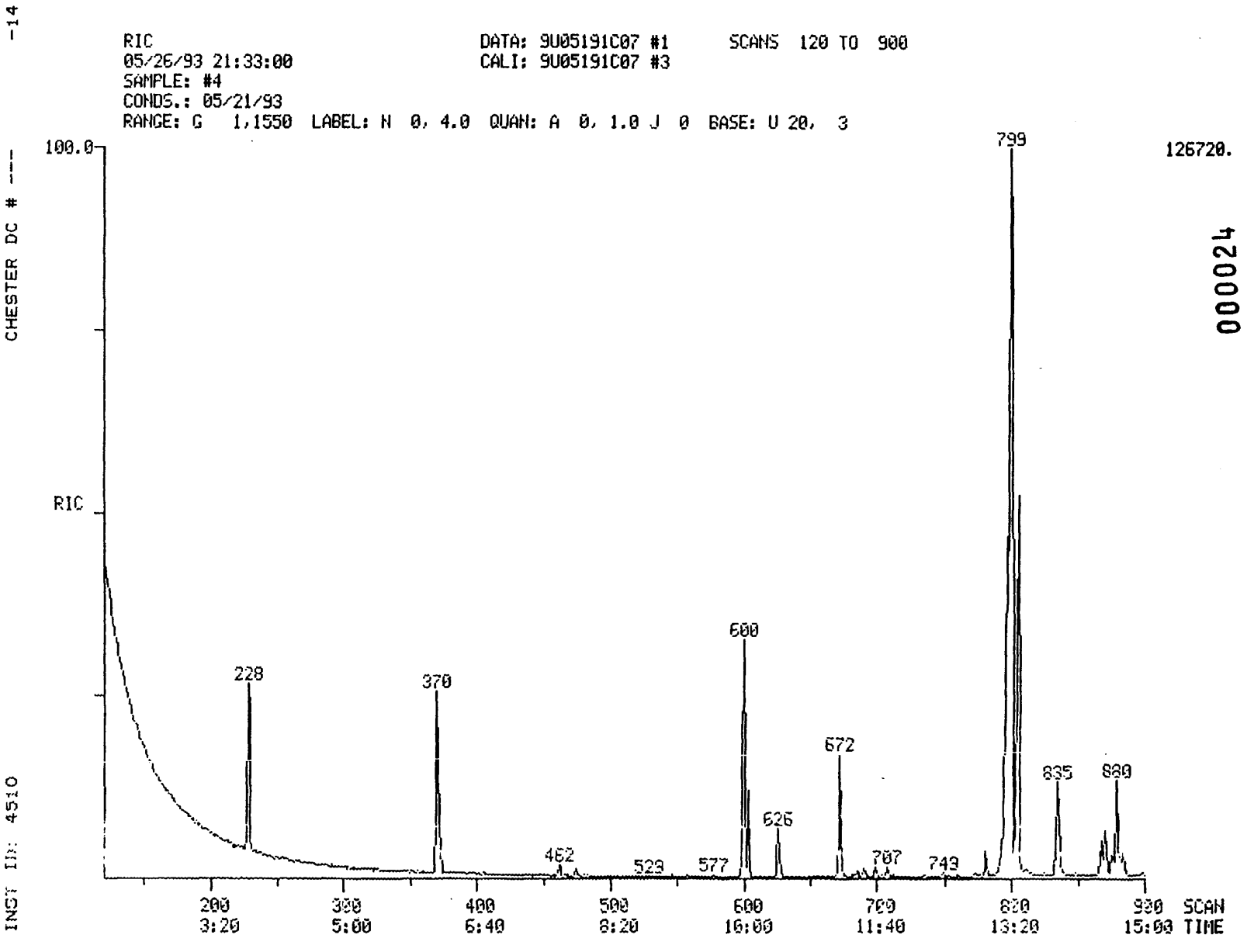
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519107
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

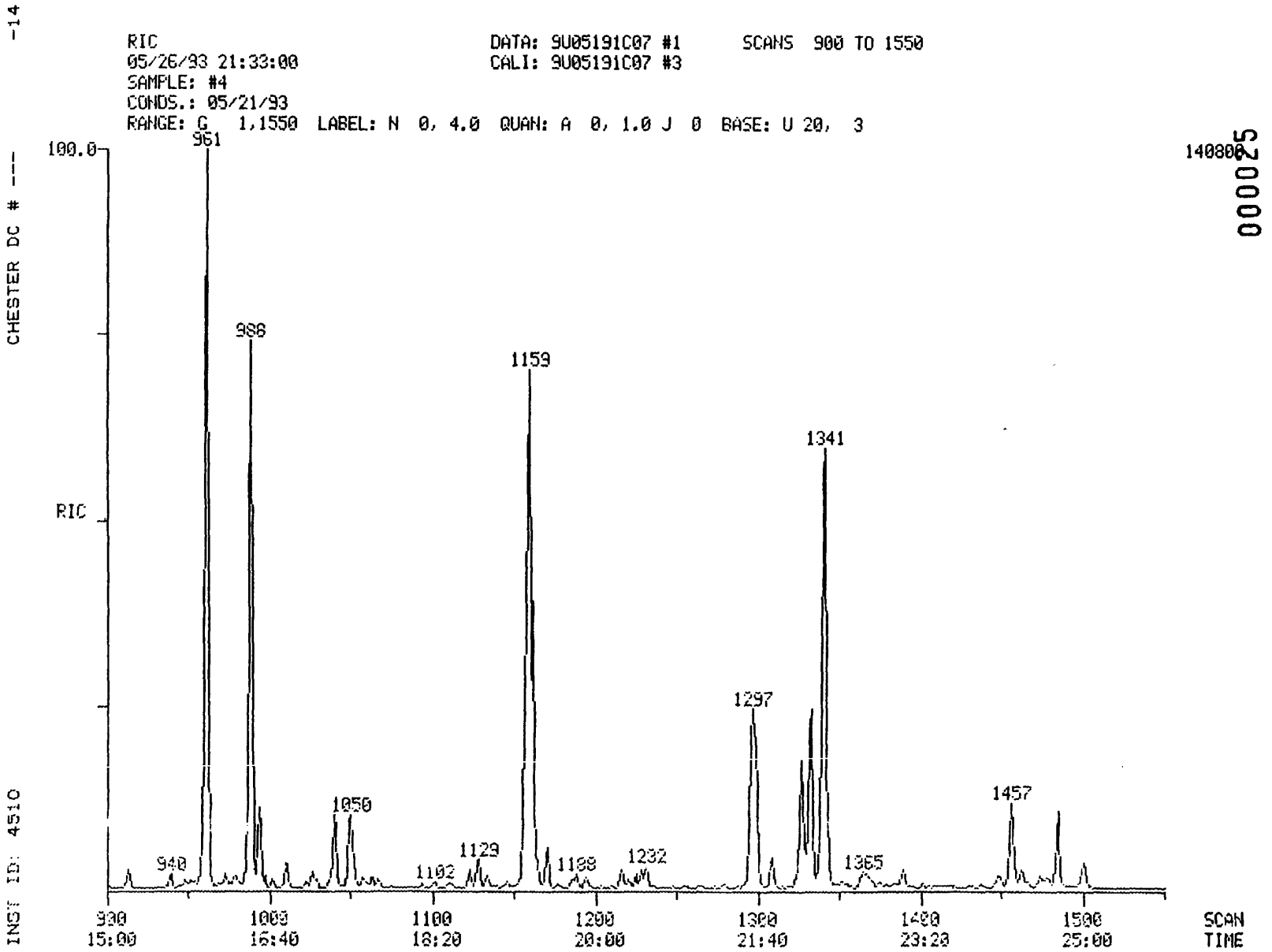
CONCENTRATION: LOW DATAFILE: 9U05191C07
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	140000	79000 J
C540	ACENAPHTHYLENE	140000	7500 J
C550	ACENAPHTHENE	140000	110000 J
C590	FLUORENE	140000	180000
C640	PHENANTHRENE	140000	570000
C645	ANTHRACENE	140000	260000
C655	FLUORANTHENE	140000	470000
C715	PYRENE	140000	310000
C730	BENZO(A)ANTHRACENE	140000	150000
C740	CHRYSENE	140000	180000
C765	BENZO(B)FLUORANTHENE	140000	160000
C770	BENZO(K)FLUORANTHENE	140000 U	
C775	BENZO(A)PYRENE	140000	77000 J
C780	INDENO(1,2,3-CD)PYRENE	140000	79000 J
C785	DIBENZO(A,H)ANTHRACENE	140000	24000 J
C790	BENZO(GHI)PERYLENE	140000	61000 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
05/26/93 21:33:00
SAMPLE: #4
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 9U05191C07 #1
CALI: 9U05191C07 #3
SCANS 120 TO 900
100.0
RIC
126720.
000024
228
370
462
529
577
600
626
672
707
749
799
835
880
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

010254



010255

010255

010256

CHESTER DC # ----14

SEMIVOLATILE SOIL REPORT

SAMPLE ID. #4

FILENAME 9U05191C07 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 21:33:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 14000.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
228	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	280000 UG/KG	1.000	965
370	CI40	NAPHTHALENE-D8 ** IS2 **		136	280000 UG/KG	1.000	2930
600	CI50	ACENAPHTHENE-D10 ** IS3 **		164	280000 UG/KG	1.000	2318
796	CI60	PHENANTHRENE-D10 ** IS4 **		188	280000 UG/KG	1.000	6561
1159	CI70	CHRYSENE-D12 ** IS5 **		240	280000 UG/KG	1.000	7450
1340	CI75	PERYLENE-D12 ** IS6 **		264	280000 UG/KG	1.000	8206
372	C450	NAPHTHALENE	39B	128	78703 UG/KG	1.005	741
577	C540	ACENAPHTHYLENE	2B	152	7505 UG/KG	0.962	89
604	C550	ACENAPHTHENE	1B	153	106415 UG/KG	1.007	712
672	C590	FLUORENE	32B	166	176573 UG/KG	1.120	1574
799	C640	PHENANTHRENE	44B	178	566966 UG/KG	1.004	15092
805	C645	ANTHRACENE	3B	178	261104 UG/KG	1.011	6360
961	C655	FLUORANTHENE	31B	202	473393 UG/KG	1.207	14456
988	C715	PYRENE	45B	202	314642 UG/KG	0.852	11000
1157	C730	BENZO(A)ANTHRACENE	5B	228	147248 UG/KG	0.998	4729
1162	C740	CHRYSENE	18B	228	175587 UG/KG	1.003	4636
1297	C765	BENZO(B)FLUORANTHENE	7B	252	163394 UG/KG	0.968	6011
1327	C775	BENZO(A)PYRENE	6B	252	76820 UG/KG	0.990	2247
1457	C780	INDENO(1,2,3-CD)PYRENE	37B	276	79441 UG/KG	1.087	1871
1463	C785	DIBENZO(A,H)ANTHRACENE	19B	278	23538 UG/KG	1.092	535
1485	C790	BENZO(GHI)PERYLENE	8B	276	60822 UG/KG	1.108	1565

*SURROGATES WERE DILUTED OUT

010257

INST ID: 4510 SAMPLE NUMBER: #5

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519108
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: .... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C08
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/27/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	680	530 J
C740	CHRYSENE	680	600 J
C765	BENZO(B)FLUORANTHENE	680	520 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	380 J
C780	INDENO(1,2,3-CD)PYRENE	680	220 J
C785	DIBENZO(A,H)ANTHRACENE	680	69 J

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

010258

INST ID: 4510 SAMPLE NUMBER: #5

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519108
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C08
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/27/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	680	450 J
C540	ACENAPHTHYLENE	680	54 J
C550	ACENAPHTHENE	680	340 J
C590	FLUORENE	680	760
C640	PHENANTHRENE	680	2100
C645	ANTHRACENE	680	850
C655	FLUORANTHENE	680	1800
C715	PYRENE	680	1100
C730	BENZO(A)ANTHRACENE	680	530 J
C740	CHRYSENE	680	600 J
C765	BENZO(B)FLUORANTHENE	680	520 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	380 J
C780	INDENO(1,2,3-CD)PYRENE	680	220 J
C785	DIBENZO(A,H)ANTHRACENE	680	69 J
C790	BENZO(GHI)PERYLENE	680	200 J

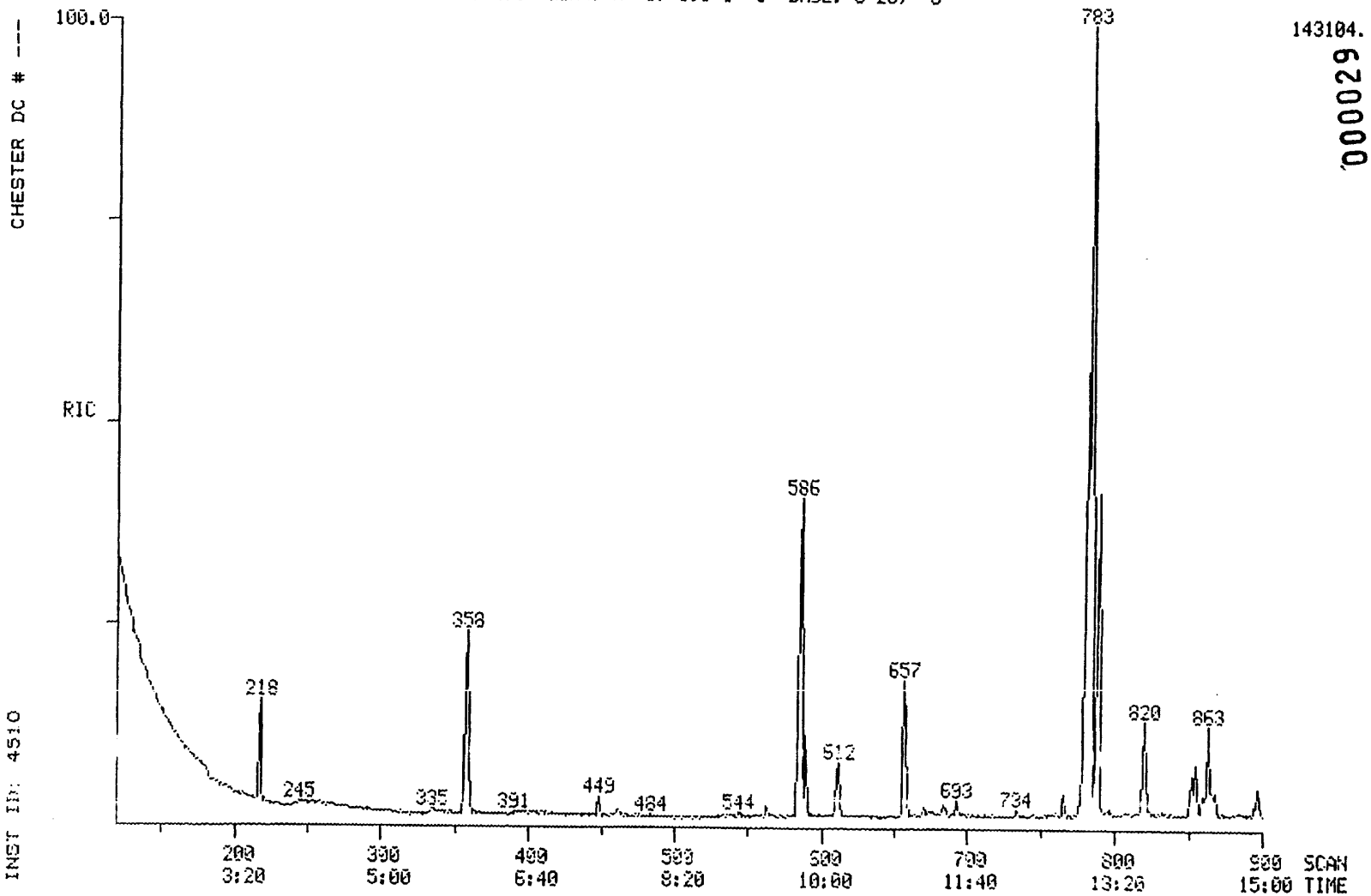
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

-14

RIC
05/27/93 16:23:00
SAMPLE: #5
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C08 #1
CALI: 9U05191C08 #3

SCANS 120 TO 900

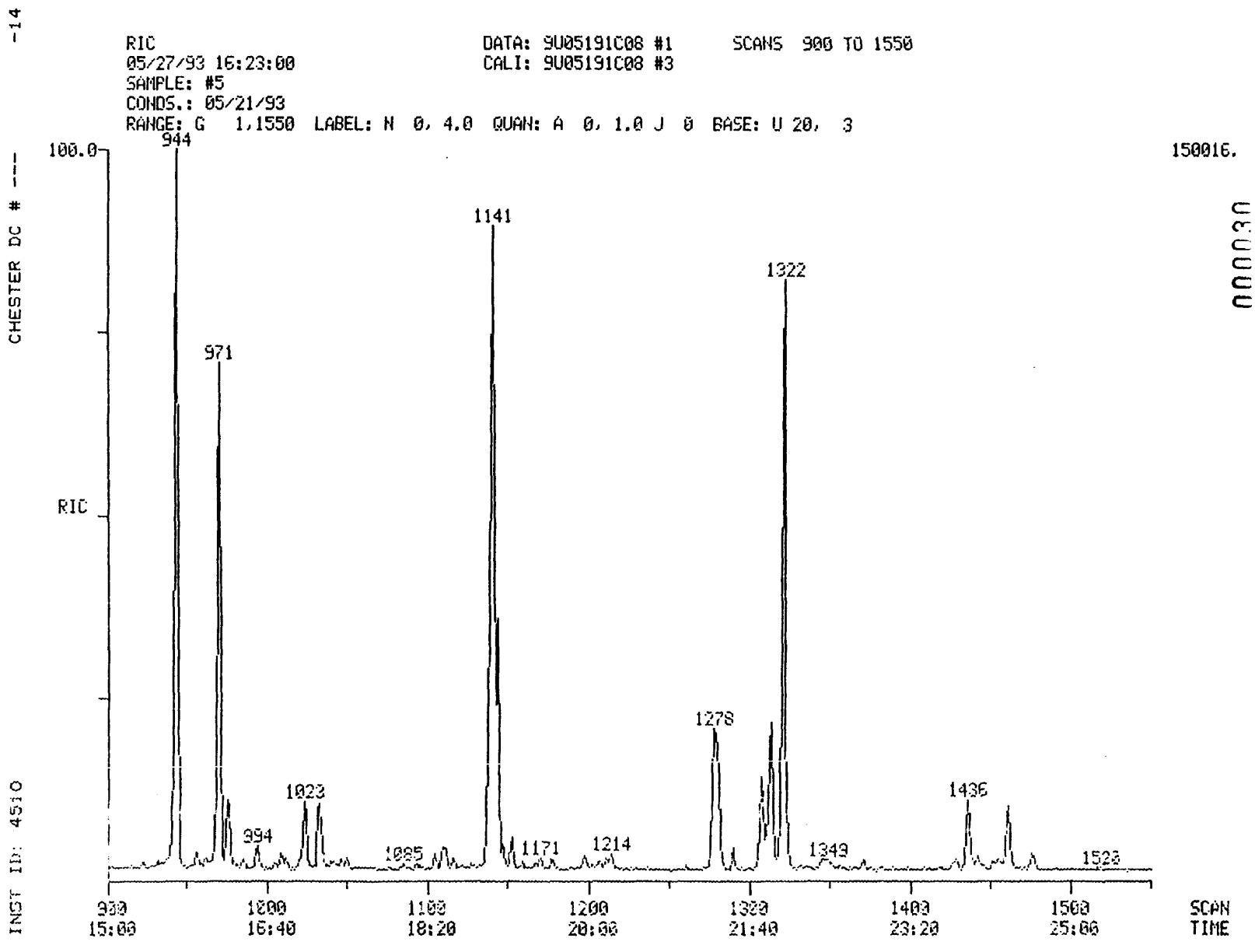


143104.

000029

010259

010259



000030

010260

010260

010261

SAMPLE ID. #5

FILENAME 9U05191C08 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/27/93 16:23:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 68.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
218	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	1360 MG/KG	1.000	537
358	CI40	NAPHTHALENE-D8 ** IS2 **		136	1360 MG/KG	1.000	3013
586	CI50	ACENAPHTHENE-D10 ** IS3 **		164	1360 MG/KG	1.000	3459
730	CI60	PHENANTHRENE-D10 ** IS4 **		188	1360 MG/KG	1.000	8483
1141	CI70	CHRYSENE-D12 ** IS5 **		240	1360 MG/KG	1.000	9918
1322	CI75	PERYLENE-D12 ** IS6 **		264	1360 MG/KG	1.000	11126
360	C450	NAPHTHALENE	39B	128	453 MG/KG	1.006	934
563	C540	ACENAPHTHYLENE	2B	152	54 MG/KG	0.961	194
589	C550	ACENAPHTHENE	1B	153	339 MG/KG	1.005	701
657	C590	FLUORENE	32B	166	757 MG/KG	1.121	1849
783	C640	PHENANTHRENE	44B	178	2094 MG/KG	1.004	14474
789	C645	ANTHRACENE	3B	178	847 MG/KG	1.012	5555
944	C655	FLUORANTHENE	31B	202	1828 MG/KG	1.210	14750
971	C715	PYRENE	45B	202	1128 MG/KG	0.851	10636
1139	C730	BENZO(A)ANTHRACENE	5B	228	532 MG/KG	0.998	4778
1144	C740	CHRYSENE	18B	228	603 MG/KG	1.003	4144
1278	C765	BENZO(B)FLUORANTHENE	7B	252	519 MG/KG	0.967	5443
1314	C775	BENZO(A)PYRENE	6B	252	384 MG/KG	0.994	3060
1436	C780	INDENO(1,2,3-CD)PYRENE	37B	276	224 MG/KG	1.086	1550
1442	C785	DIBENZO(A,H)ANTHRACENE	19B	278	69 MG/KG	1.091	471
1462	C790	BENZO(GHI)PERYLENE	8B	276	203 MG/KG	1.106	1492

*SURROGATES WERE DILUTED OUT

010262

INST ID: 4510 SAMPLE NUMBER: #5

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519108
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: KG ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C08A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	680	480 J
C740	CHRYSENE	680	690
C765	BENZO(B)FLUORANTHENE	680	340 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	360 J
C780	INDENO(1,2,3-CD)PYRENE	680	160 J
C785	DIBENZO(A,H)ANTHRACENE	680	36 J

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

010263

INST ID: 4910 SAMPLE NUMBER: #5

ORGANICS ANALYSIS DATA SHEET

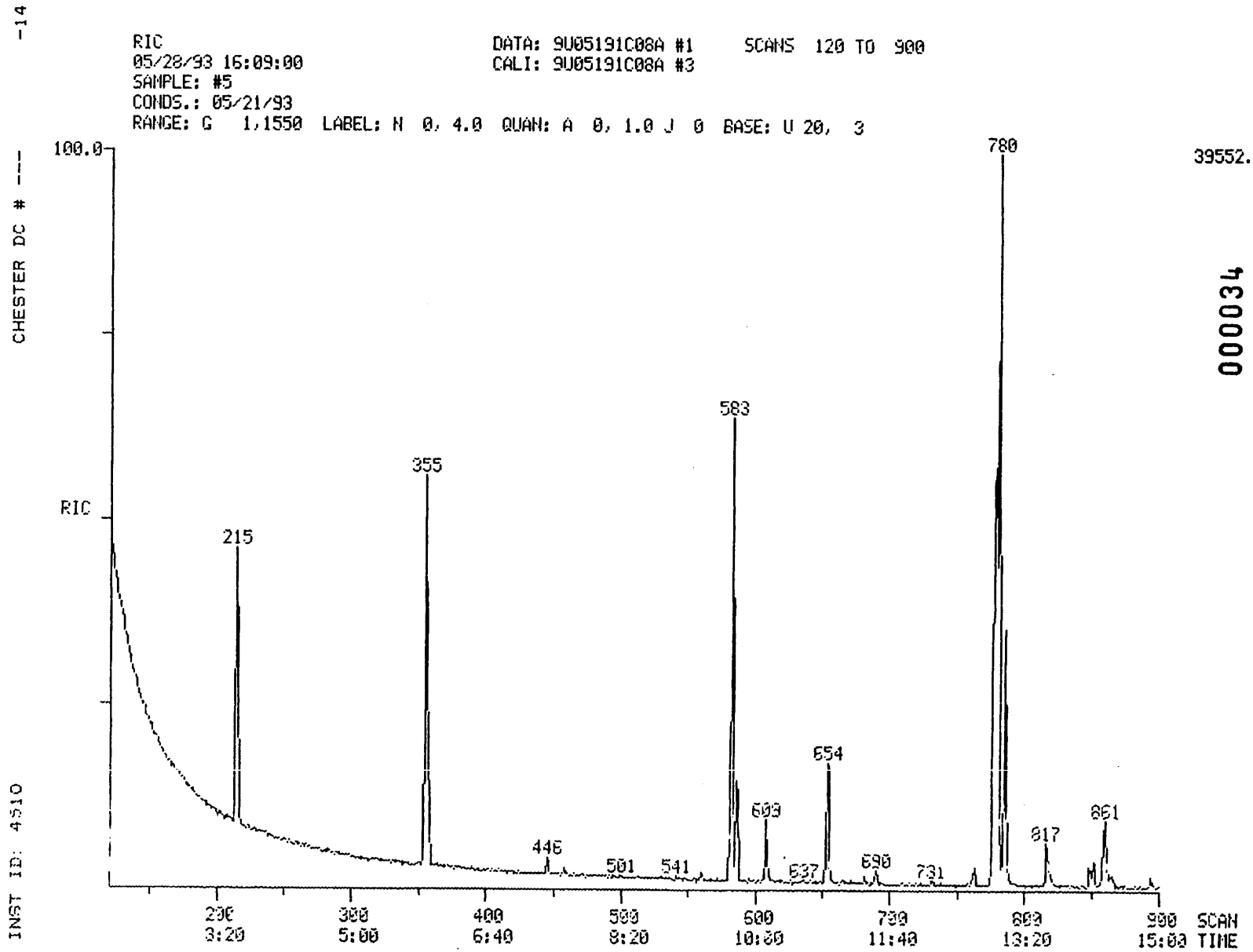
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519108
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C08A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	680	440 J
C540	ACENAPHTHYLENE	680	42 J
C550	ACENAPHTHENE	680	350 J
C590	FLUORENE	680	550 J
C640	PHENANTHRENE	680	2100
C645	ANTHRACENE	680	920
C655	FLUORANTHENE	680	1300
C715	PYRENE	680	1100
C730	BENZO(A)ANTHRACENE	680	480 J
C740	CHRYSENE	680	690
C765	BENZO(B)FLUORANTHENE	680	340 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	360 J
C780	INDENO(1,2,3-CD)PYRENE	680	160 J
C785	DIBENZO(A,H)ANTHRACENE	680	36 J
C790	BENZO(GHI)PERYLENE	680	160 J

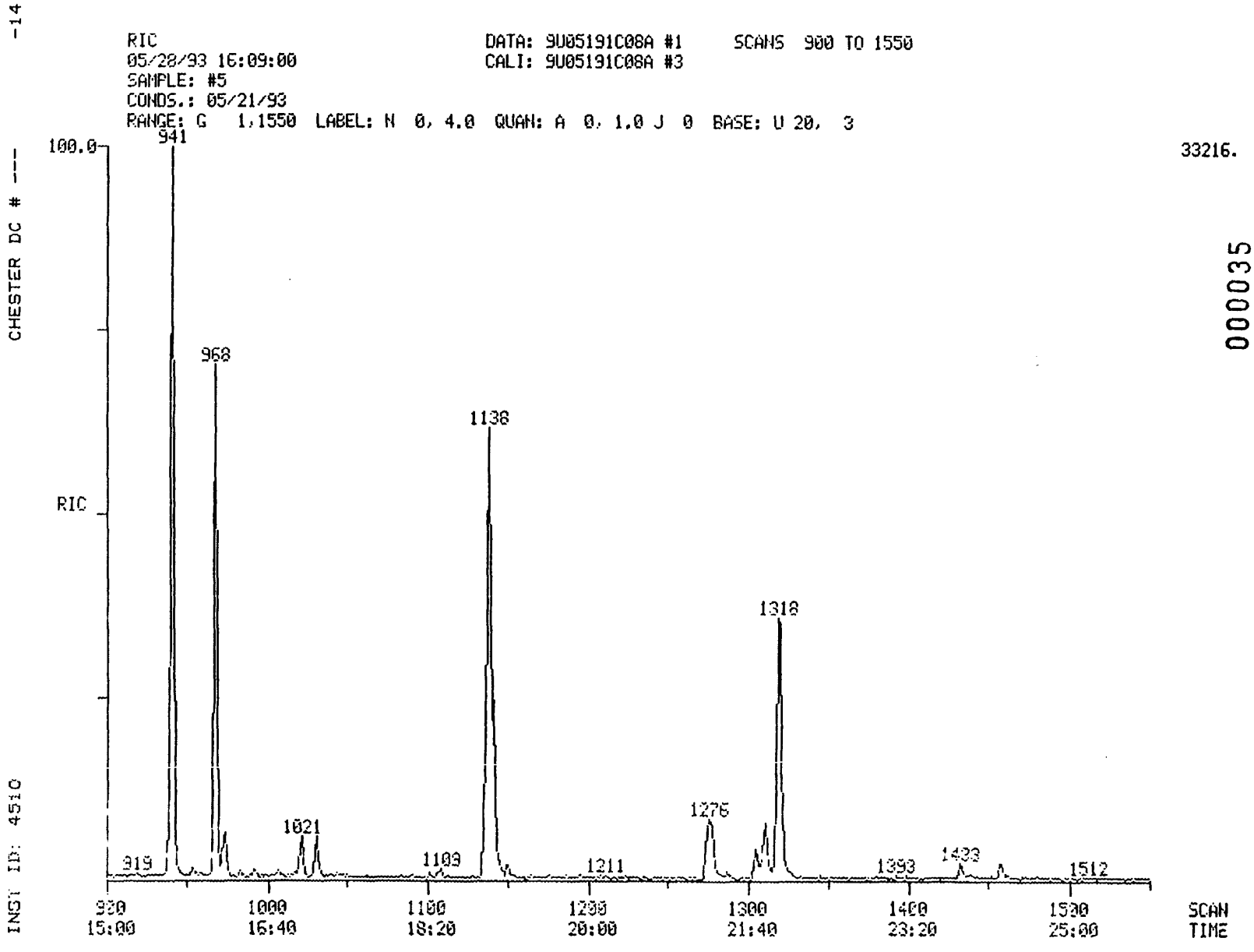
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000034

010264

010264


-14
CHESTER DC # ---
INST ID: 4510
RIC
05/28/93 16:09:00
SAMPLE: #5
CONDS.: 05/21/93
DATA: 9U05191C08A #1
CALI: 9U05191C08A #3
SCANS 900 TO 1550
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
RIC
941
968
1138
1318
1275
1021
1109
1211
1393
1433
1512
919
900
15:00
1000
16:40
1100
18:20
1200
20:00
1300
21:40
1400
23:20
1500
25:00
SCAN
TIME
33216.
000035

010265

010266

SAMPLE ID. #5

FILENAME 9U05191C08A INST ID. 4510

CLIENT DAMES&MO ANALYST JZ

DATE INJECTED 05/28/93 16:09:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 68.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
215	C130	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	1360 MG/KG	1.000	408
355	C140	NAPHTHALENE-D8 ** IS2 **		136	1360 MG/KG	1.000	1809
583	C150	ACENAPHTHENE-D10 ** IS3 **		164	1360 MG/KG	1.000	1391
777	C160	PHENANTHRENE-D10 ** IS4 **		188	1360 MG/KG	1.000	2533
1138	C170	CHRYSENE-D12 ** IS5 **		240	1360 MG/KG	1.000	2036
1318	C175	PERYLENE-D12 ** IS6 **		264	1360 MG/KG	1.000	1869
357	C450	NAPHTHALENE	39B	128	443 MG/KG	1.006	547
560	C540	ACENAPHTHYLENE	2B	152	42 MG/KG	0.961	60
586	C550	ACENAPHTHENE	1B	153	345 MG/KG	1.005	273
654	C590	FLUORENE	32B	166	552 MG/KG	1.122	584
780	C640	PHENANTHRENE	44B	178	2095 MG/KG	1.004	4111
786	C645	ANTHRACENE	3B	178	920 MG/KG	1.012	1576
941	C655	FLUORANTHENE	31B	202	1292 MG/KG	1.211	3463
968	C715	PYRENE	45B	202	1095 MG/KG	0.851	2507
1136	C730	BENZO(A)ANTHRACENE	5B	228	482 MG/KG	0.998	841
1141	C740	CHRYSENE	18B	228	687 MG/KG	1.003	934
1276	C765	BENZO(B)FLUORANTHENE	7B	252	339 MG/KG	0.968	852
1311	C775	BENZO(A)PYRENE	6B	252	358 MG/KG	0.995	519
1433	C780	INDENO(1,2,3-CD)PYRENE	37B	276	158 MG/KG	1.087	143
1439	C785	DIBENZO(A,H)ANTHRACENE	19B	278	36 MG/KG	1.092	32
1458	C790	BENZO(GHI)PERYLENE	8B	276	156 MG/KG	1.106	163

*SURROGATES WERE DILUTED OUT

010267

INST ID: 4510 SAMPLE NUMBER: #6

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519109
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C09
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	290	2000
C740	CHRYSENE	290	1500
C765	BENZO(B)FLUORANTHENE	290	2000
C770	BENZO(K)FLUORANTHENE	290 U	
C775	BENZO(A)PYRENE	290	1100
C780	INDENO(1,2,3-CD)PYRENE	290	920
C785	DIBENZO(A,H)ANTHRACENE	290	370

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

010268

INST ID: 4510 SAMPLE NUMBER: #6

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519109
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C09
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	290	1000
C540	ACENAPHTHYLENE	290	67 J
C550	ACENAPHTHENE	290	1100
C590	FLUORENE	290	1900
C640	PHENANTHRENE	290	5600 *
C645	ANTHRACENE	290	1700
C655	FLUORANTHENE	290	5200 *
C715	PYRENE	290	3100 *
C730	BENZO(A)ANTHRACENE	290	2000
C740	CHRYSENE	290	1500
C765	BENZO(B)FLUORANTHENE	290	2000
C770	BENZO(K)FLUORANTHENE	290 U	
C775	BENZO(A)PYRENE	290	1100
C780	INDENO(1,2,3-CD)PYRENE	290	920
C785	DIBENZO(A,H)ANTHRACENE	290	370
C790	BENZO(GHI)PERYLENE	290	710

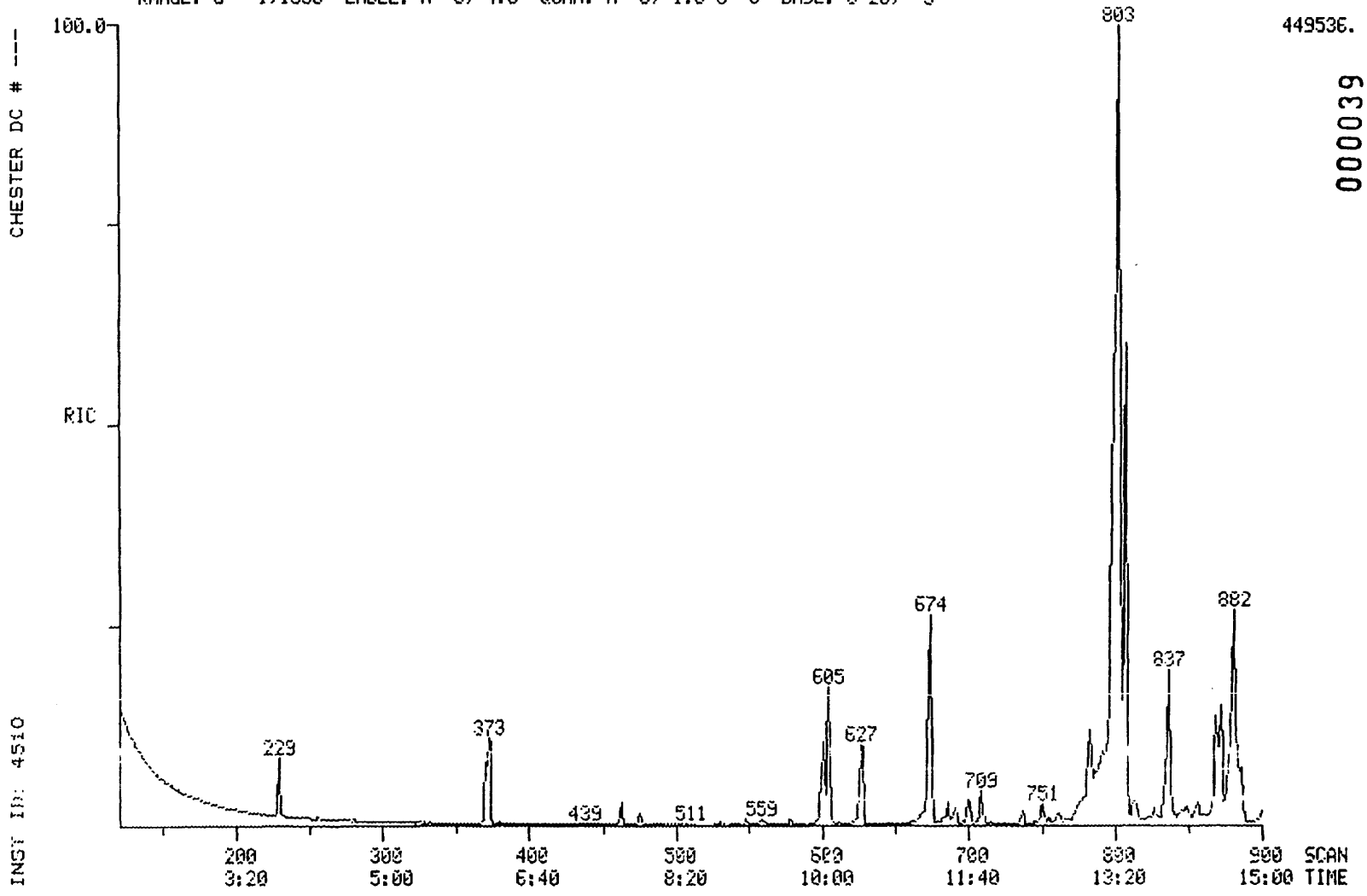
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:2000 DILUTION

-14

RIC
05/26/93 22:10:00
SAMPLE: #6
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C09 #1
CALI: 9U05191C09 #3

SCANS 120 TO 900



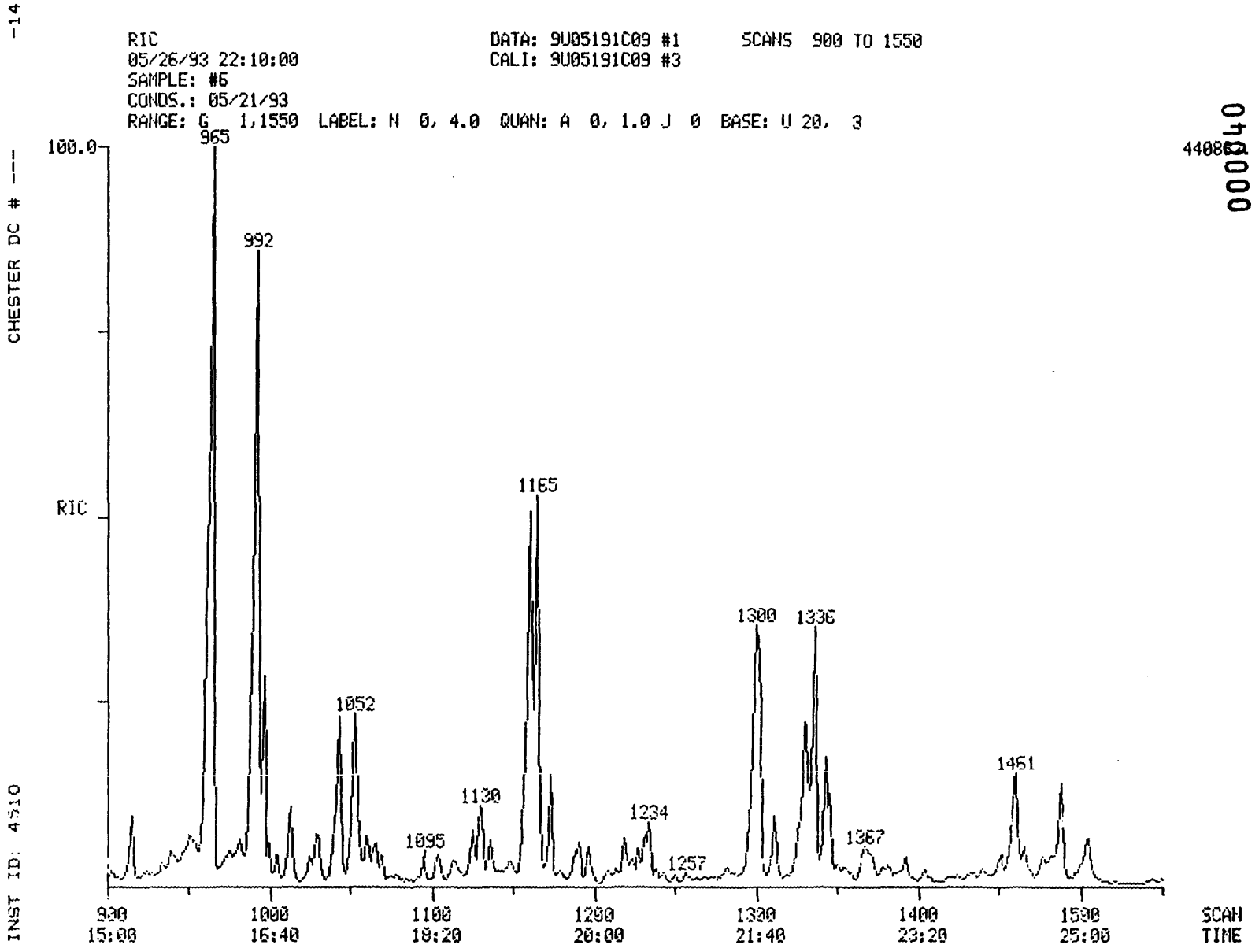
CHESTER DC # ---

INST ID: 4510

000039

010269

010269



010270

010270

010271

SAMPLE ID. #6

FILENAME 9U05191C09 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 22:10:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 29.00

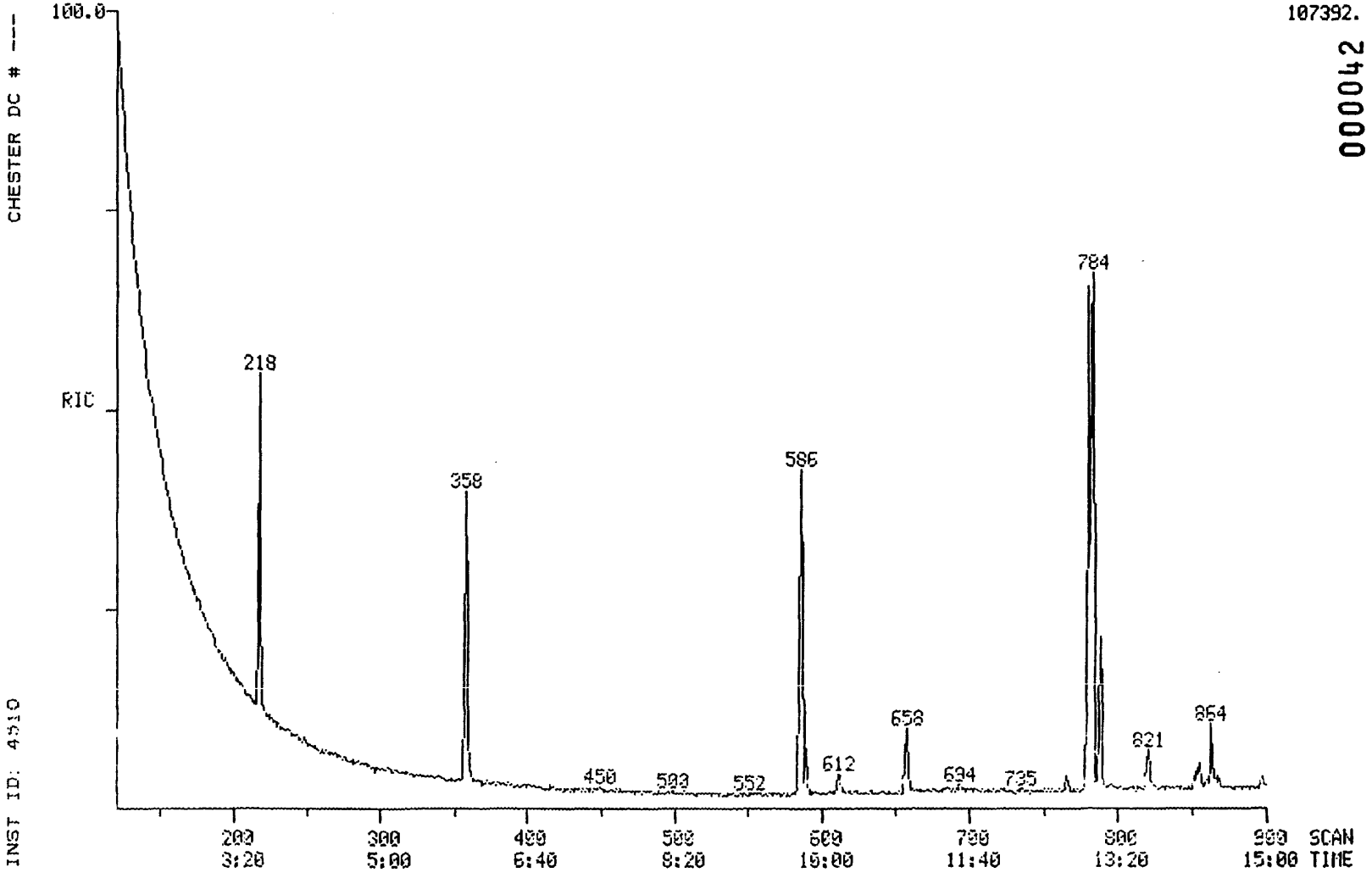
SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
229	C130	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	580 MG/KG	1.000	1037
371	C140	NAPHTHALENE-D8 ** IS2 **		136	580 MG/KG	1.000	3308
601	C150	ACENAPHTHENE-D10 ** IS3 **		164	580 MG/KG	1.000	3115
798	C160	PHENANTHRENE-D10 ** IS4 **		188	580 MG/KG	1.000	7768
1161	C170	CHRYSENE-D12 ** IS5 **		240	580 MG/KG	1.000	7017
1343	C175	PERYLENE-D12 ** IS6 **		264	580 MG/KG	1.000	6648
373	C450	NAPHTHALENE	39B	128	1029 MG/KG	1.005	5282
578	C540	ACENAPHTHYLENE	2B	152	67 MG/KG	0.962	517
605	C550	ACENAPHTHENE	1B	153	1056 MG/KG	1.007	4582
674	C590	FLUORENE	32B	166	1862 MG/KG	1.121	10770
803	C640	PHENANTHRENE	44B	178	5600 MG/KG	1.006	85193
808	C645	ANTHRACENE	3B	178	1715 MG/KG	1.013	23868
965	C655	FLUORANTHENE	31B	202	4009 MG/KG	1.209	69964
992	C715	PYRENE	45B	202	3571 MG/KG	0.854	56767
1160	C730	BENZO(A)ANTHRACENE	5B	228	2032 MG/KG	0.999	29659
1165	C740	CHRYSENE	18B	228	1481 MG/KG	1.003	17779
1300	C765	BENZO(B)FLUORANTHENE	7B	252	1995 MG/KG	0.968	28710
1330	C775	BENZO(A)PYRENE	6B	252	1108 MG/KG	0.990	12674
1460	C780	INDENO(1,2,3-CD)PYRENE	37B	276	923 MG/KG	1.087	8503
1466	C785	DIBENZO(A,H)ANTHRACENE	19B	278	366 MG/KG	1.092	3254
1489	C790	BENZO(GHI)PERYLENE	8B	276	708 MG/KG	1.109	7120

*SURROGATES WERE DILUTED OUT

-14

RIC
05/27/93 19:26:00
SAMPLE: #6
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C09A #1 SCANS 120 TO 900
CALI: 9U05191C09A #3

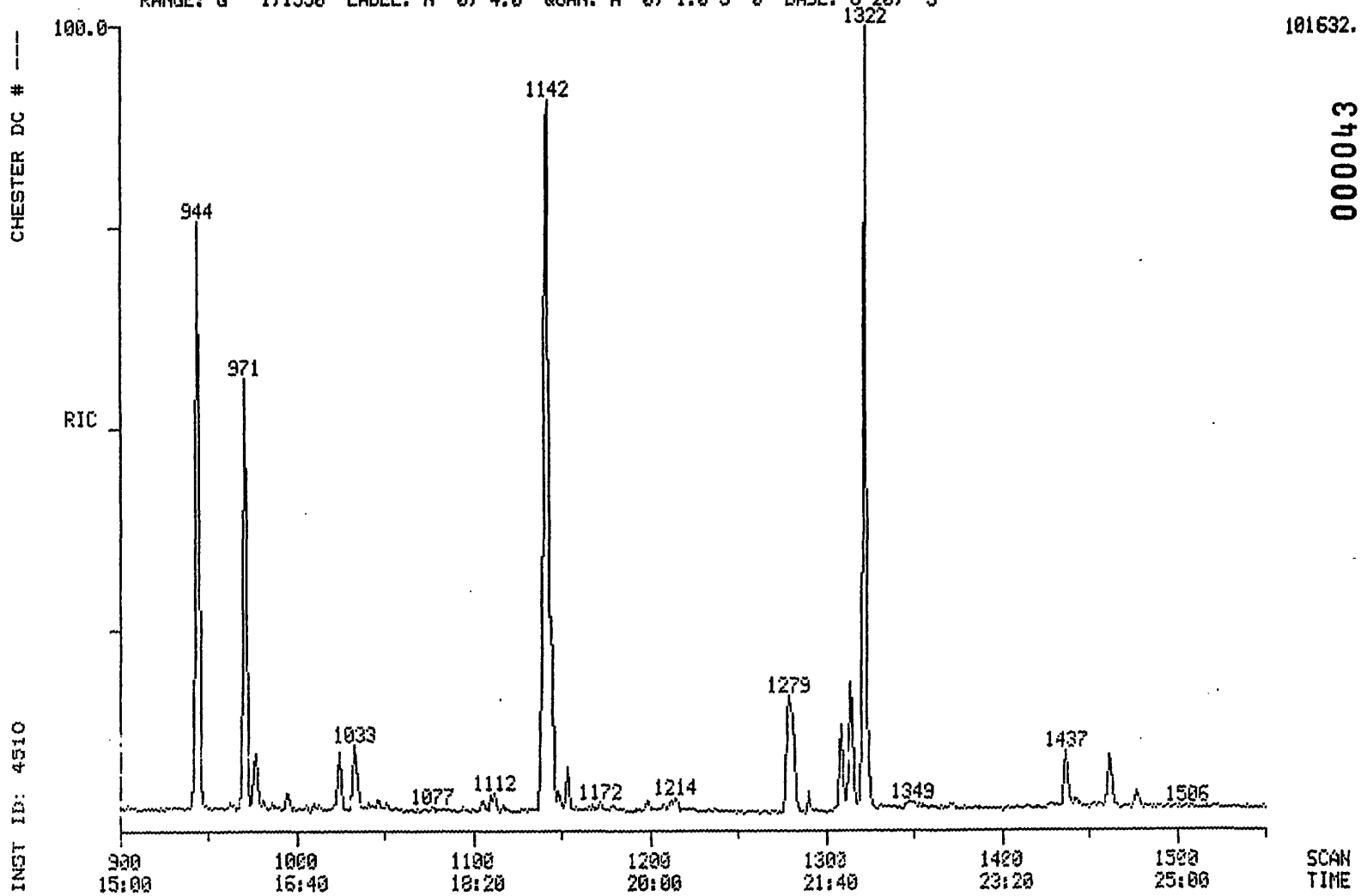


000042

010272

RIC
05/27/93 19:26:00
SAMPLE: #6
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C09A #1 SCANS 900 TO 1550
CALI: 9U05191C09A #3



CHESTER DC # ---
INST ID: 4510
-14

000043

010273

010274

SAMPLE ID. #6

FILENAME 9U05191C09A INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/27/93 19:26:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 290.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
218	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	5800 MG/KG	1.000	1147
358	CI40	NAPHTHALENE-D8 ** IS2 **		136	5800 MG/KG	1.000	3337
586	CI50	ACENAPHTHENE-D10 ** IS3 **		164	5800 MG/KG	1.000	2426
781	CI60	PHENANTHRENE-D10 ** IS4 **		188	5800 MG/KG	1.000	6400
1141	CI70	CHRYSENE-D12 ** IS5 **		240	5800 MG/KG	1.000	8095
1322	CI75	PERYLENE-D12 ** IS6 **		264	5800 MG/KG	1.000	9043
784	C640	PHENANTHRENE	44B	178	5624 MG/KG	1.004	6877
944	C655	FLUORANTHENE	31B	202	5231 MG/KG	1.209	7465
971	C715	PYRENE	45B	202	3124 MG/KG	0.851	5640

*SURROGATES WERE DILUTED OUT

010275

INST ID: 4510 SAMPLE NUMBER: #7

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519110
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C10A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	690	1800
C740	CHRYSENE	690	2000
C765	BENZO(B)FLUORANTHENE	690	1400
C770	BENZO(K)FLUORANTHENE	690 U	
C775	BENZO(A)PYRENE	690	1500
C780	INDENO(1,2,3-CD)PYRENE	690	1100
C785	DIBENZO(A,H)ANTHRACENE	690	280 J

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

010276

INST ID: 4510 SAMPLE NUMBER: #7

ORGANICS ANALYSIS DATA SHEET

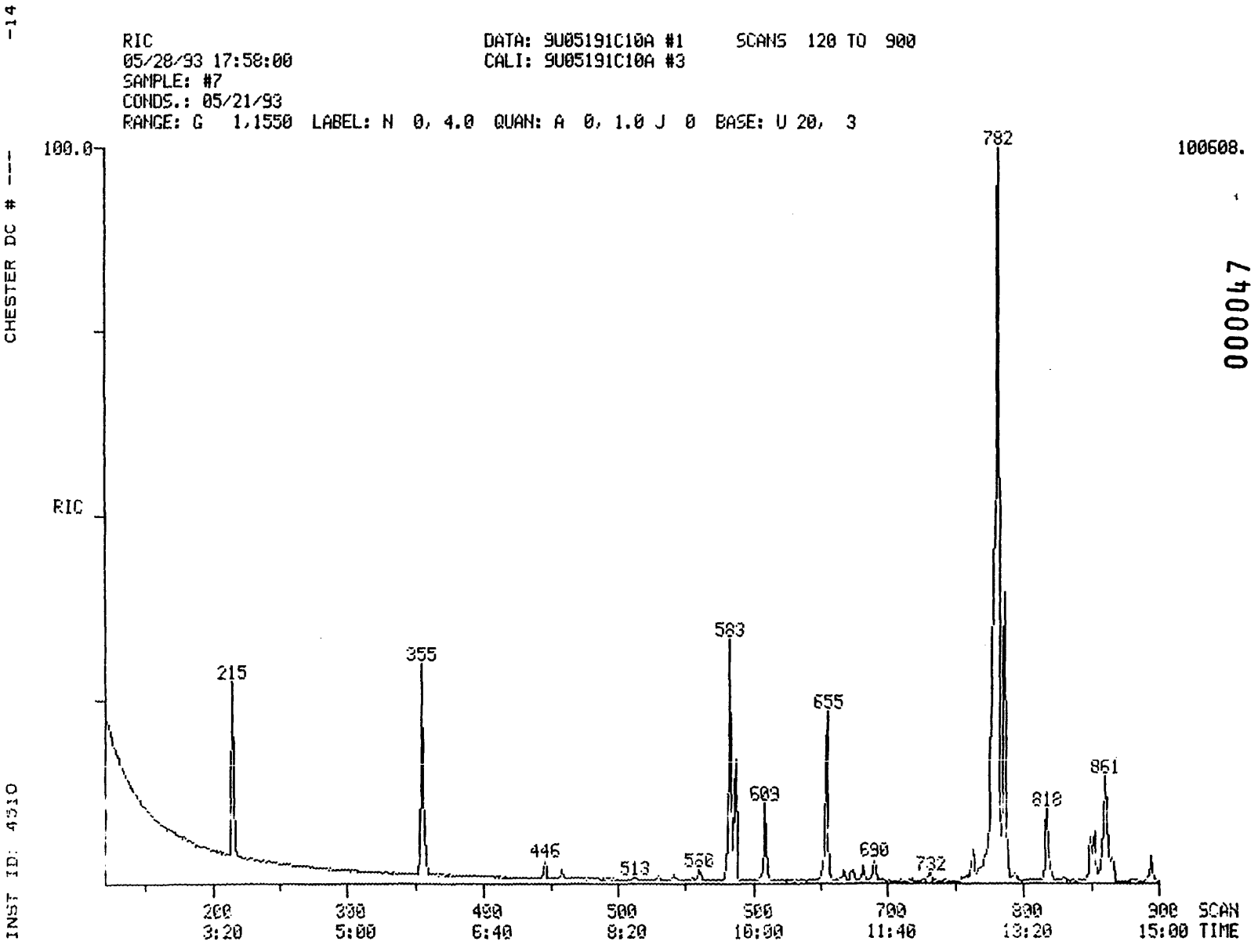
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519110
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C10A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	690	340 J
C540	ACENAPHTHYLENE	690	95 J
C550	ACENAPHTHENE	690	720
C590	FLUORENE	690	1300
C640	PHENANTHRENE	690	4500
C645	ANTHRACENE	690	1600
C655	FLUORANTHENE	690	3300
C715	PYRENE	690	2800
C730	BENZO(A)ANTHRACENE	690	1800
C740	CHRYSENE	690	2000
C765	BENZO(B)FLUORANTHENE	690	1400
C770	BENZO(K)FLUORANTHENE	690 U	
C775	BENZO(A)PYRENE	690	1500
C780	INDENO(1,2,3-CD)PYRENE	690	1100
C785	DIBENZO(A,H)ANTHRACENE	690	280 J
C790	BENZO(GHI)PERYLENE	690	860

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



000047

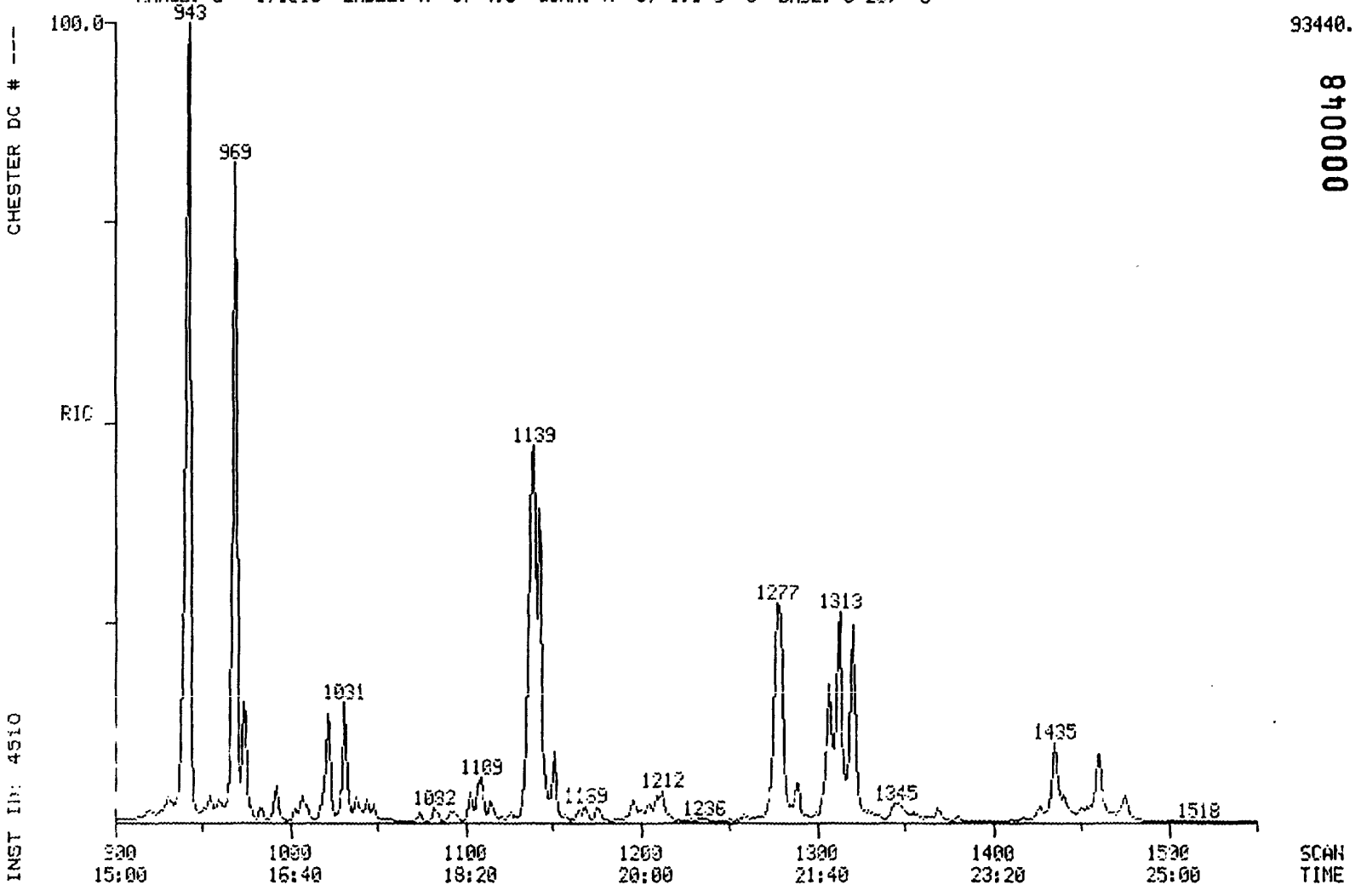
010277

010277

-14

RIC
05/28/93 17:58:00
SAMPLE: #7
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C10A #1 SCANS 900 TO 1550
CALI: 9U05191C10A #3



CHESTER DC # ---

INST ID: 4510

000048

010278

010278

010279

SAMPLE ID. #7

FILENAME 9U05191C10A INST ID. 4510

CLIENT DAMES&MO ANALYST JZ

DATE INJECTED 05/28/93 17:58:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 69.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
215	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	1380 MG/KG	1.000	614
355	CI40	NAPHTHALENE-D8 ** IS2 **		136	1380 MG/KG	1.000	2622
583	CI50	ACENAPHTHENE-D10 ** IS3 **		164	1380 MG/KG	1.000	2086
778	CI60	PHENANTHRENE-D10 ** IS4 **		188	1380 MG/KG	1.000	4007
1139	CI70	CHRYSENE-D12 ** IS5 **		240	1380 MG/KG	1.000	3312
1320	CI75	PERYLENE-D12 ** IS6 **		264	1380 MG/KG	1.000	3027
357	C450	NAPHTHALENE	39B	128	336 MG/KG	1.006	592
560	C540	ACENAPHTHYLENE	2B	152	95 MG/KG	0.961	202
587	C550	ACENAPHTHENE	1B	153	719 MG/KG	1.007	841
655	C590	FLUORENE	32B	166	1266 MG/KG	1.123	1979
782	C640	PHENANTHRENE	44B	178	4461 MG/KG	1.005	13647
787	C645	ANTHRACENE	3B	178	1617 MG/KG	1.012	4321
942	C655	FLUORANTHENE	31B	202	3294 MG/KG	1.211	13769
969	C715	PYRENE	45B	202	2817 MG/KG	0.851	10341
1138	C730	BENZO(A)ANTHRACENE	5B	228	1767 MG/KG	0.999	4943
1142	C740	CHRYSENE	18B	228	1960 MG/KG	1.003	4271
1277	C765	BENZO(B)FLUORANTHENE	7B	252	1418 MG/KG	0.967	5697
1313	C775	BENZO(A)PYRENE	6B	252	1540 MG/KG	0.995	3558
1435	C780	INDENO(1,2,3-CD)PYRENE	37B	276	1089 MG/KG	1.087	1575
1440	C785	DIBENZO(A,H)ANTHRACENE	19B	278	279 MG/KG	1.091	400
1461	C790	BENZO(GHI)PERYLENE	8B	276	859 MG/KG	1.107	1435

*SURROGATES WERE DILUTED OUT

010280

INST ID: 4530 SAMPLE NUMBER: #8

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519111
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C11
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 06/02/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND	
C730	BENZO(A)ANTHRACENE	510	1200	R
C740	CHRYSENE	510	1000	R
C765	BENZO(B)FLUORANTHENE	510	1500	R
C770	BENZO(K)FLUORANTHENE	510 U		R
C775	BENZO(A)PYRENE	510	800	R
C780	INDENO(1,2,3-CD)PYRENE	510	540	R
C785	DIBENZO(A,H)ANTHRACENE	510	260 J	R

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

010281

INST ID: 4530 SAMPLE NUMBER: #8

ORGANICS ANALYSIS DATA SHEET -

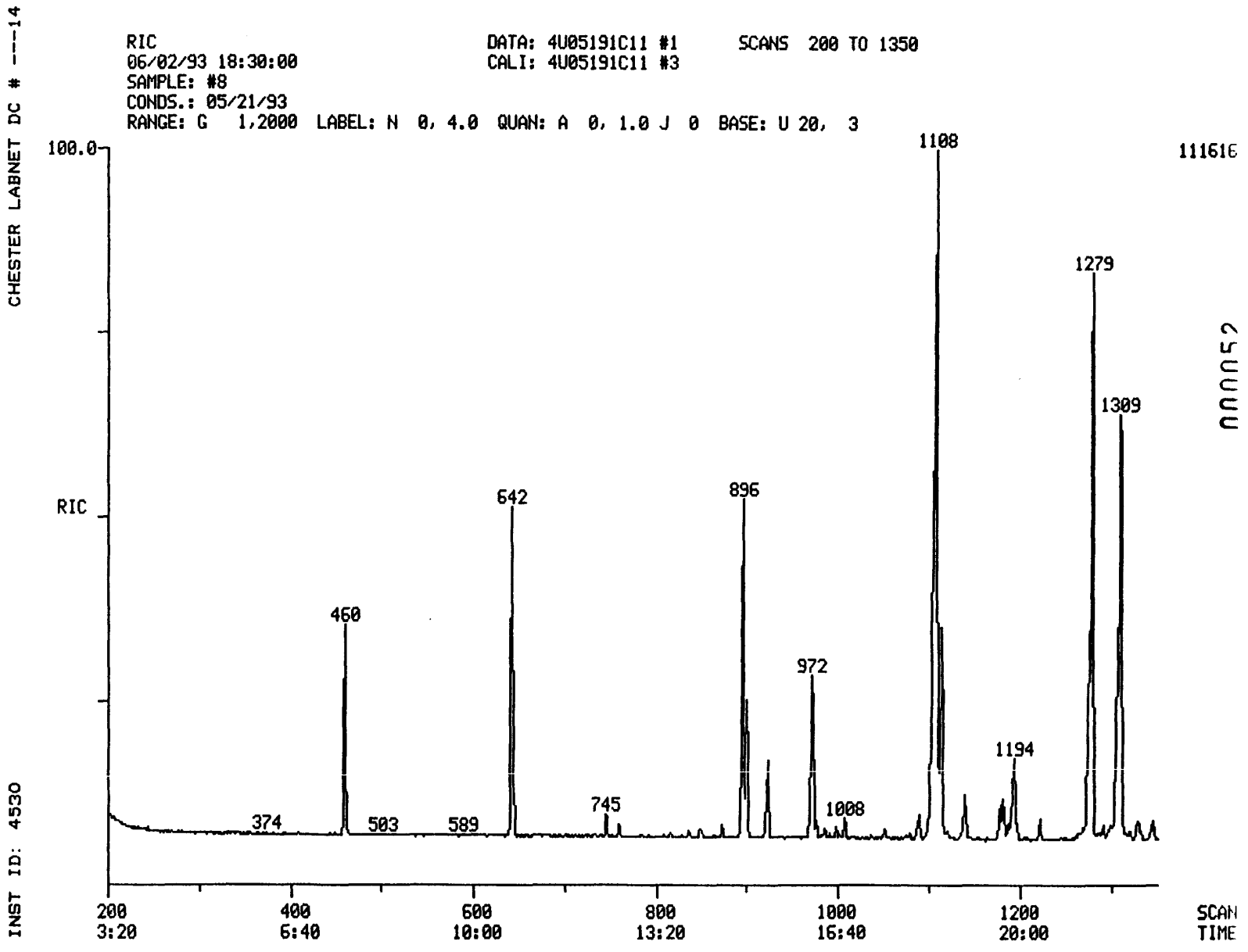
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519111
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

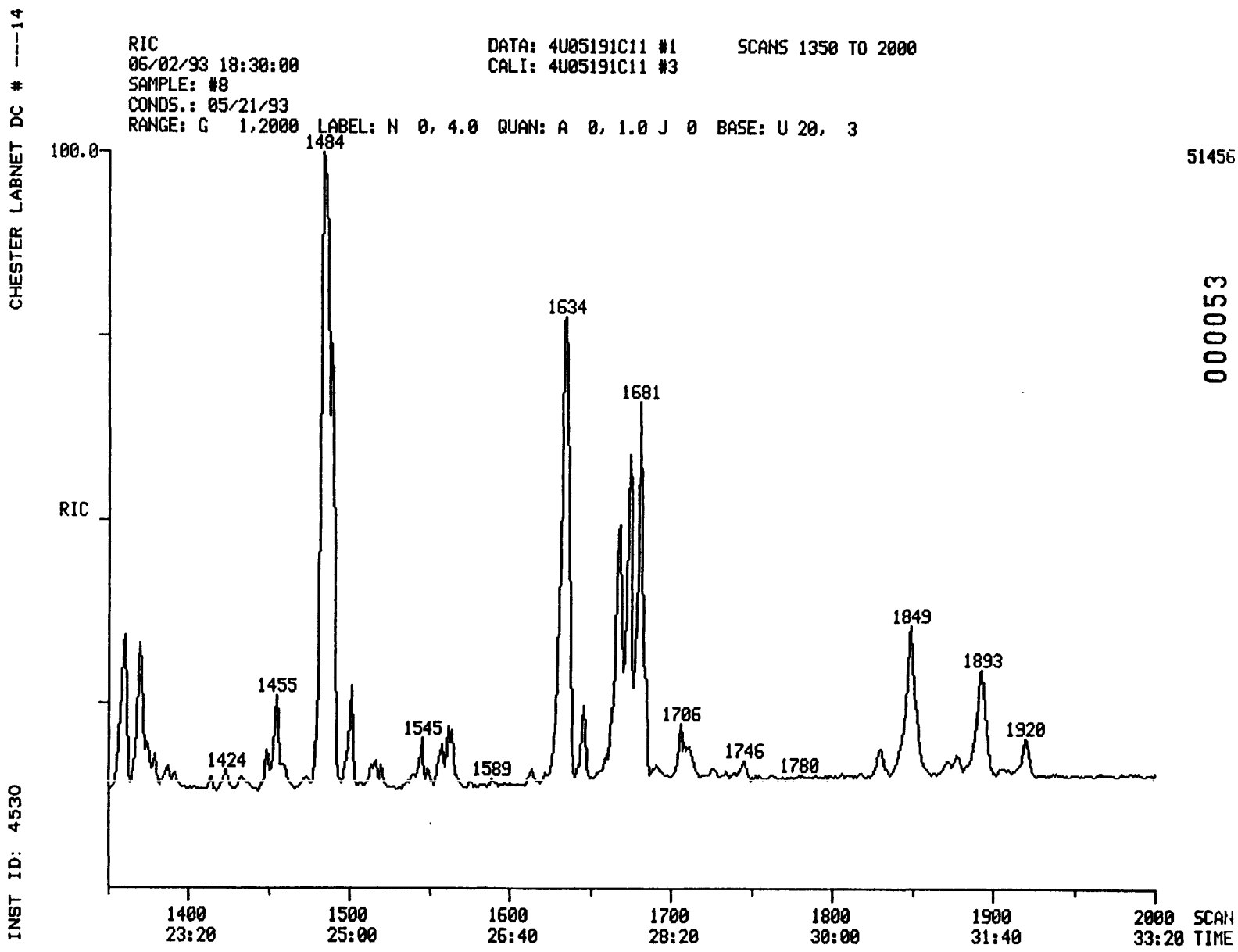
CONCENTRATION: LOW DATAFILE: 4U05191C11
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 06/02/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	510	130 JR
C540	ACENAPHTHYLENE	510	51 JR
C550	ACENAPHTHENE	510	410 JR
C590	FLUORENE	510	620 R
C640	PHENANTHRENE	510	2600 R
C645	ANTHRACENE	510	830 R
C655	FLUORANTHENE	510	2500 R
C715	PYRENE	510	2100 R
C730	BENZO(A)ANTHRACENE	510	1200 R
C740	CHRYSENE	510	1000 R
C765	BENZO(B)FLUORANTHENE	510	1500 R
C770	BENZO(K)FLUORANTHENE	510 U	
C775	BENZO(A)PYRENE	510	800 R
C780	INDENO(1,2,3-CD)PYRENE	510	540 R
C785	DIBENZO(A,H)ANTHRACENE	510	260 JR
C790	BENZO(GHI)PERYLENE	510	570 R

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
06/02/93 18:30:00
SAMPLE: #8
CONDS.: 05/21/93
RANGE: G 1,2000 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U05191C11 #1
CALI: 4U05191C11 #3
SCANS 200 TO 1350
100.0
RIC
374
460
503
589
642
745
896
972
1008
1108
1194
1279
1309
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

010282



51456

000053

010283

010283

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010284

SAMPLE ID.	#8		
FILENAME	4U05191C11	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	JZ
DATE INJECTED	06/02/93 18:30:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	51.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
460	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1020 MG/KG	1.000	122
642	CI40	NAPHTHALENE-D8 ** IS2 **	136	1020 MG/KG	1.000	629
896	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1020 MG/KG	1.000	304
1104	CI60	PHENANTHRENE-D10 ** IS4 **	188	1020 MG/KG	1.000	523
1486	CI70	CHRYSENE-D12 ** IS5 **	240	1020 MG/KG	1.000	361
1681	CI75	PERYLENE-D12 ** IS6 **	264	1020 MG/KG	1.000	343
645	C450	NAPHTHALENE	128	131 MG/KG	1.005	81
873	C540	ACENAPHTHYLENE	152	51 MG/KG	0.974	29
900	C550	ACENAPHTHENE	153	408 MG/KG	1.004	143
972	C590	FLUORENE	166	623 MG/KG	1.085	235
1108	C640	PHENANTHRENE	178	2631 MG/KG	1.004	1488
1114	C645	ANTHRACENE	178	828 MG/KG	1.009	398
1279	C655	FLUORANTHENE	202	2482 MG/KG	1.159	1329
1309	C715	PYRENE	202	2131 MG/KG	0.881	1016
1484	C730	BENZO(A)ANTHRACENE	228	1229 MG/KG	0.999	572
1489	C740	CHRYSENE	228	1006 MG/KG	1.002	320
1634	C765	BENZO(B)FLUORANTHENE	252	1487 MG/KG	0.972	689
1674	C775	BENZO(A)PYRENE	252	800 MG/KG	0.996	312
1848	C780	INDENO(1,2,3-CD)PYRENE	276	536 MG/KG	1.099	212
1853	C785	DIBENZO(A,H)ANTHRACENE	278	261 MG/KG	1.102	82
1892	C790	BENZO(GHI)PERYLENE	276	575 MG/KG	1.126	182

*SURROGATES WERE DILUTED OUT

010285

INST ID: 4510 SAMPLE NUMBER: #8

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519111
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C11A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	510	1200
C740	CHRYSENE	510	1400
C765	BENZO(B)FLUORANTHENE	510	1000
C770	BENZO(K)FLUORANTHENE	510 U	
C775	BENZO(A)PYRENE	510	1000
C780	INDENO(1,2,3-CD)PYRENE	510	810
C785	DIBENZO(A,H)ANTHRACENE	510	310 J

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

010286

INST ID: 4510 SAMPLE NUMBER: #8

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519111
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C11A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/28/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	510	130 J
C540	ACENAPHTHYLENE	510	53 J
C550	ACENAPHTHENE	510	420 J
C590	FLUORENE	510	770
C640	PHENANTHRENE	510	2700
C645	ANTHRACENE	510	1000
C655	FLUORANTHENE	510	2000
C715	PYRENE	510	1800
C730	BENZO(A)ANTHRACENE	510	1200
C740	CHRYSENE	510	1400
C765	BENZO(B)FLUORANTHENE	510	1000
C770	BENZO(K)FLUORANTHENE	510 U	
C775	BENZO(A)PYRENE	510	1000
C780	INDENO(1,2,3-CD)PYRENE	510	810
C785	DIBENZO(A,H)ANTHRACENE	510	310 J
C790	BENZO(GHI)PERYLENE	510	630

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

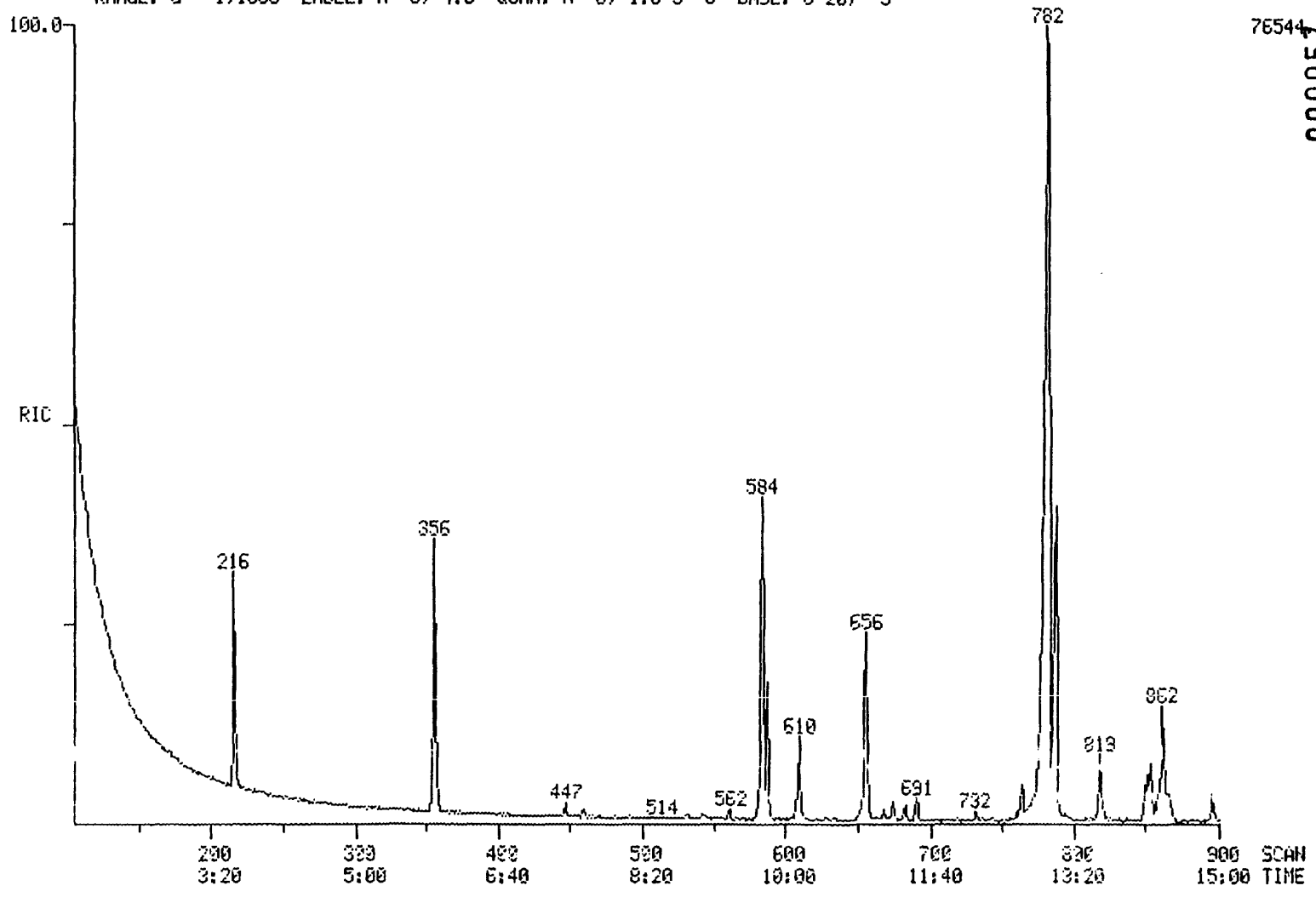
-14

CHESTER DC # ---

INST ID: 4510

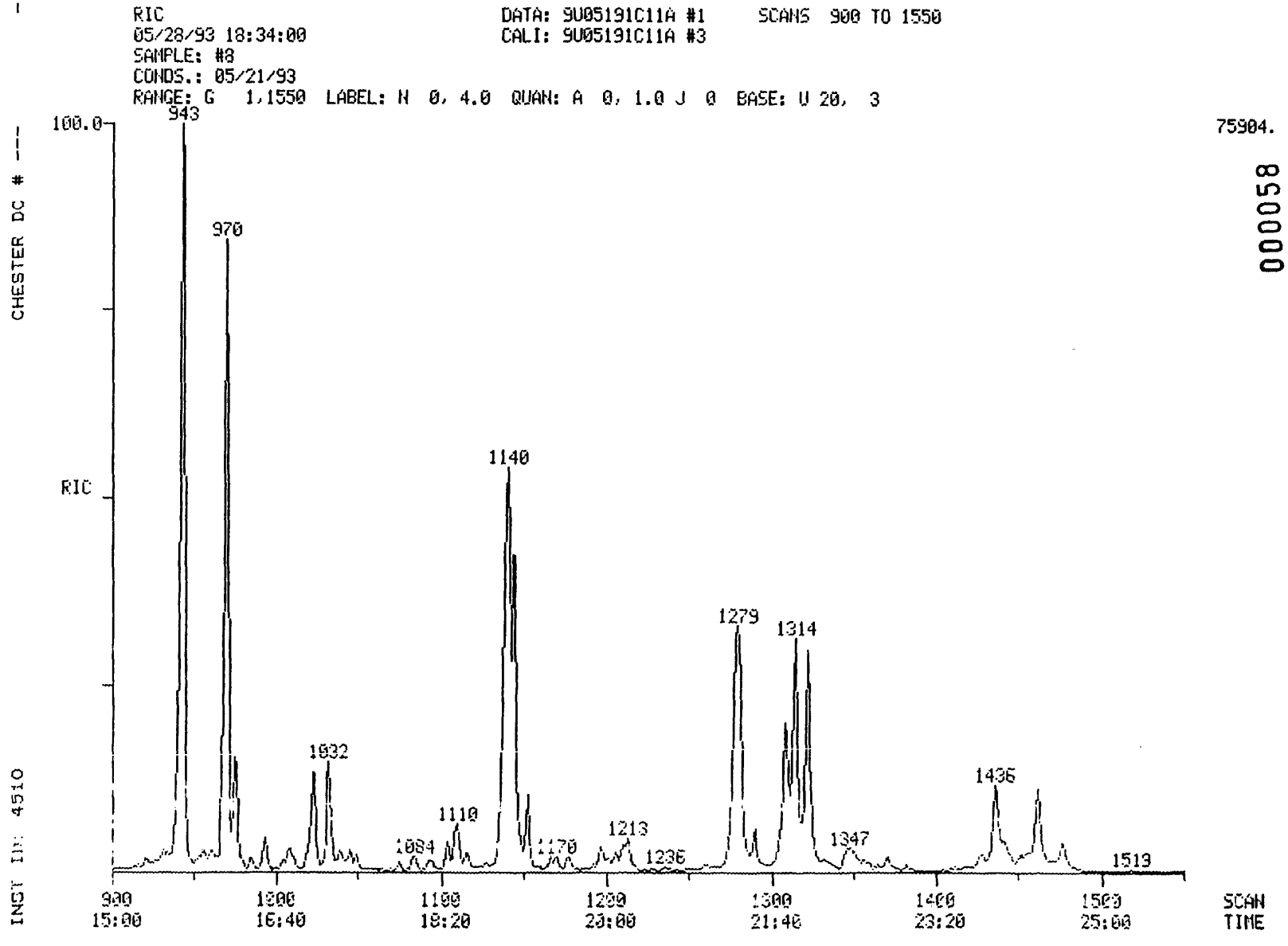
RIC
05/28/93 18:34:00
SAMPLE: #8
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C11A #1 SCANS 105 TO 900
CALI: 9U05191C11A #3



000057

010287



000058

010288

010288

010289

SAMPLE ID. #8

FILENAME 9U05191C11A INST ID. 4510

CLIENT DAMES&MO ANALYST JZ

DATE INJECTED 05/28/93 18:34:00 VERIFIED BY

CALIB STD DATE 060293 CORR. FACTOR 51.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
216	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	1020 MG/KG	1.000	558
356	CI40	NAPHTHALENE-D8 ** IS2 **		136	1020 MG/KG	1.000	2396
584	CI50	ACENAPHTHENE-D10 ** IS3 **		164	1020 MG/KG	1.000	1982
779	CI60	PHENANTHRENE-D10 ** IS4 **		188	1020 MG/KG	1.000	3838
1140	CI70	CHRYSENE-D12 ** IS5 **		240	1020 MG/KG	1.000	3263
1321	CI75	PERYLENE-D12 ** IS6 **		264	1020 MG/KG	1.000	3008
358	C450	NAPHTHALENE	39B	128	127 MG/KG	1.006	278
562	C540	ACENAPHTHYLENE	2B	152	53 MG/KG	0.962	145
588	C550	ACENAPHTHENE	1B	153	417 MG/KG	1.007	627
656	C590	FLUORENE	32B	166	768 MG/KG	1.123	1543
732	C640	PHENANTHRENE	44B	178	2668 MG/KG	1.004	10576
738	C645	ANTHRACENE	3B	178	997 MG/KG	1.012	3454
943	C655	FLUORANTHENE	31B	202	2041 MG/KG	1.211	11056
970	C715	PYRENE	45B	202	1755 MG/KG	0.851	8587
1139	C730	BENZO(A)ANTHRACENE	5B	228	1166 MG/KG	0.999	4348
1143	C740	CHRYSENE	18B	228	1376 MG/KG	1.003	3995
1278	C765	BENZO(B)FLUORANTHENE	7B	252	1040 MG/KG	0.967	5616
1314	C775	BENZO(A)PYRENE	6B	252	999 MG/KG	0.995	3105
1436	C780	INDENO(1,2,3-CD)PYRENE	37B	276	811 MG/KG	1.087	1577
1442	C785	DIBENZO(A,H)ANTHRACENE	19B	278	306 MG/KG	1.092	590
1462	C790	BENZO(GHI)PERYLENE	8B	276	627 MG/KG	1.107	1410

*SURROGATES WERE DILUTED OUT

010290

INST ID: 4530 SAMPLE NUMBER: #9

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519112
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C12
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	480	670
C740	CHRYSENE	480	780
C765	BENZO(B)FLUORANTHENE	480	830
C770	BENZO(K)FLUORANTHENE	480 U	
C775	BENZO(A)PYRENE	480	590
C780	INDENO(1,2,3-CD)PYRENE	480	350 J
C785	DIBENZO(A,H)ANTHRACENE	480	130 J

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

010291

INST ID: 4530 SAMPLE NUMBER: #9

ORGANICS ANALYSIS DATA SHEET -

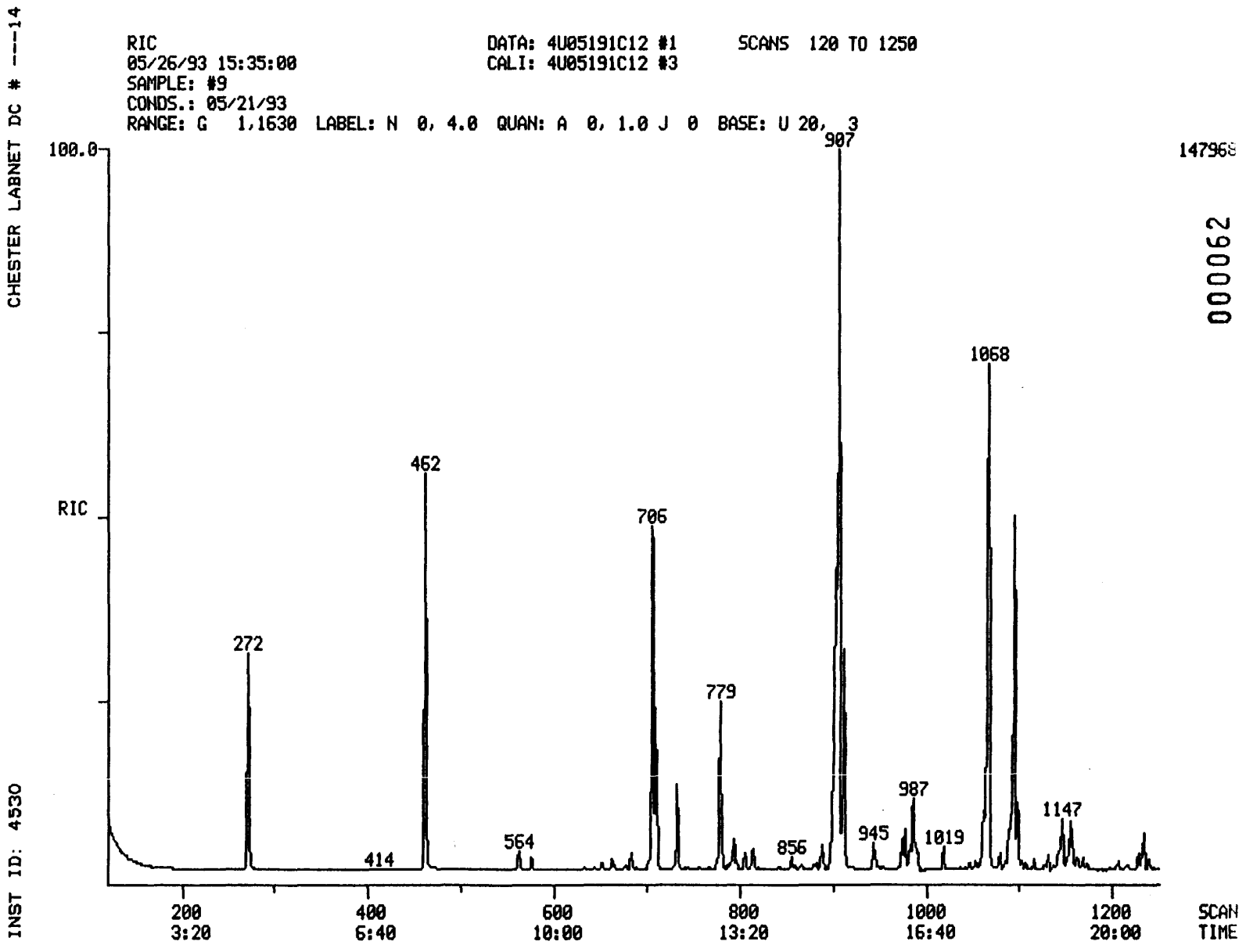
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519112
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C12
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	480	67 J
C540	ACENAPHTHYLENE	480	46 J
C550	ACENAPHTHENE	480	340 J
C590	FLUORENE	480	500
C640	PHENANTHRENE	480	2000
C645	ANTHRACENE	480	750
C655	FLUORANTHENE	480	1900
C715	PYRENE	480	1300
C730	BENZO(A)ANTHRACENE	480	670
C740	CHRYSENE	480	780
C765	BENZO(B)FLUORANTHENE	480	830
C770	BENZO(K)FLUORANTHENE	480 U	
C775	BENZO(A)PYRENE	480	590
C780	INDENO(1,2,3-CD)PYRENE	480	350 J
C785	DIBENZO(A,H)ANTHRACENE	480	130 J
C790	BENZO(GHI)PERYLENE	480	350 J

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

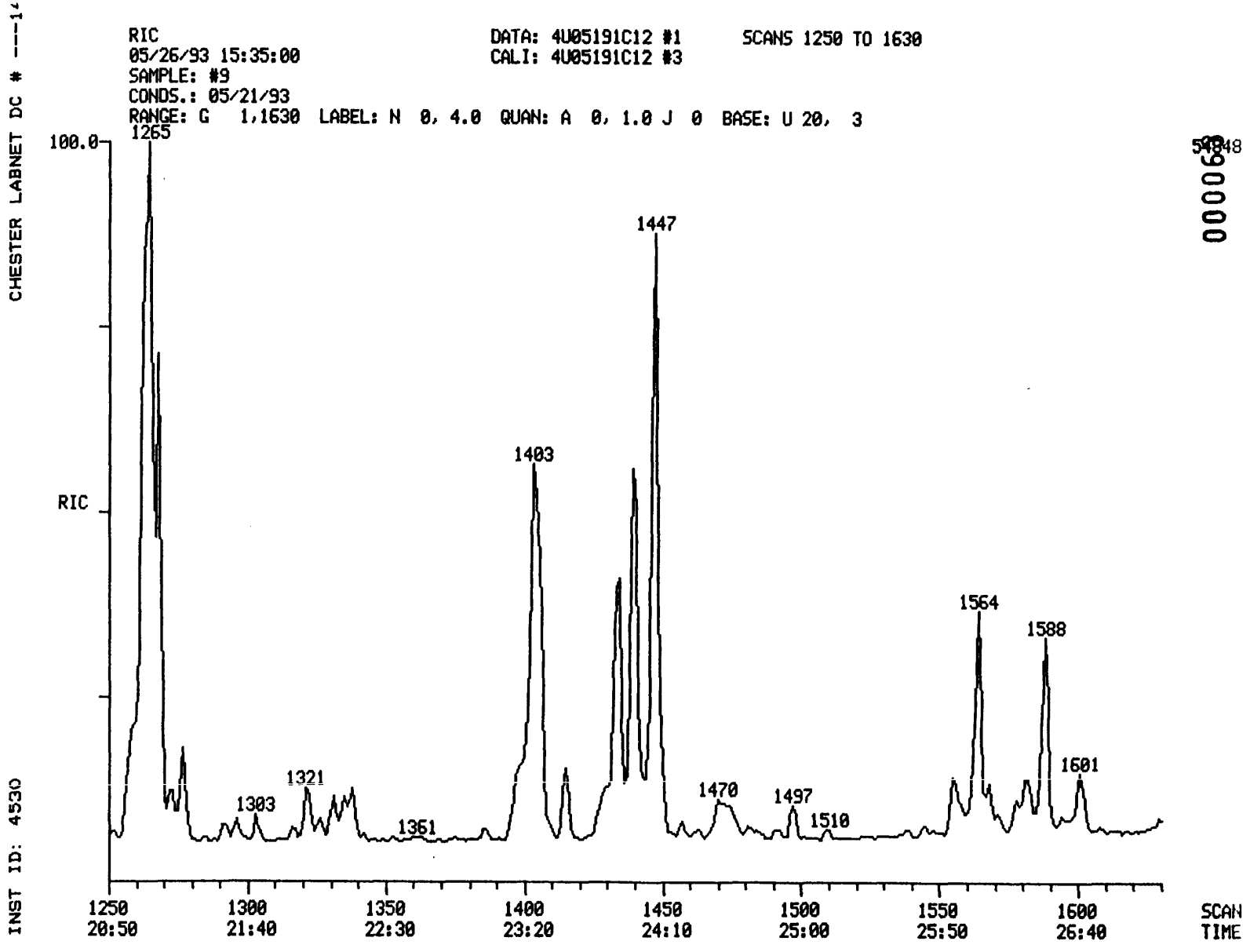


147968

000062

010292

010292



010293

010293

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010294

SAMPLE ID.	#9		
FILENAME	4U05191C12	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 15:35:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	48.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
272	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	960 MG/KG	1.000	222
462	CI40	NAPHTHALENE-D8 ** IS2 **	136	960 MG/KG	1.000	871
706	CI50	ACENAPHTHENE-D10 ** IS3 **	164	960 MG/KG	1.000	380
903	CI60	PHENANTHRENE-D10 ** IS4 **	188	960 MG/KG	1.000	557
1265	CI70	CHRYSENE-D12 ** IS5 **	240	960 MG/KG	1.000	404
1447	CI75	PERYLENE-D12 ** IS6 **	264	960 MG/KG	1.000	341
464	C450	NAPHTHALENE	128	67 MG/KG	1.004	49
684	C540	ACENAPHTHYLENE	152	46 MG/KG	0.969	37
710	C550	ACENAPHTHENE	153	342 MG/KG	1.006	167
779	C590	FLUORENE	166	505 MG/KG	1.103	239
907	C640	PHENANTHRENE	178	1977 MG/KG	1.004	1387
912	C645	ANTHRACENE	178	748 MG/KG	1.010	357
1068	C655	FLUORANTHENE	202	1937 MG/KG	1.183	1048
1095	C715	PYRENE	202	1344 MG/KG	0.866	758
1263	C730	BENZO(A)ANTHRACENE	228	672 MG/KG	0.998	415
1268	C740	CHRYSENE	228	776 MG/KG	1.002	271
1403	C765	BENZO(B)FLUORANTHENE	252	830 MG/KG	0.970	508
1439	C775	BENZO(A)PYRENE	252	589 MG/KG	0.994	236
1564	C780	INDENO(1,2,3-CD)PYRENE	276	350 MG/KG	1.081	136
1568	C785	DIBENZO(A,H)ANTHRACENE	278	132 MG/KG	1.084	44
1588	C790	BENZO(GHI)PERYLENE	276	350 MG/KG	1.097	125

SURROGATES WERE DILUTED OUT

010295

INST ID: 4530 SAMPLE NUMBER: #10

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519113
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C13
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	200	35 J
C740	CHRYSENE	200	72 J
C765	BENZO(B)FLUORANTHENE	200	26 J
C770	BENZO(K)FLUORANTHENE	200 U	
C775	BENZO(A)PYRENE	200	19 J
C780	INDENO(1,2,3-CD)PYRENE	200	5 J
C785	DIBENZO(A,H)ANTHRACENE	200 U	

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

010296

INST ID: 4530 SAMPLE NUMBER: #10

ORGANICS ANALYSIS DATA SHEET -

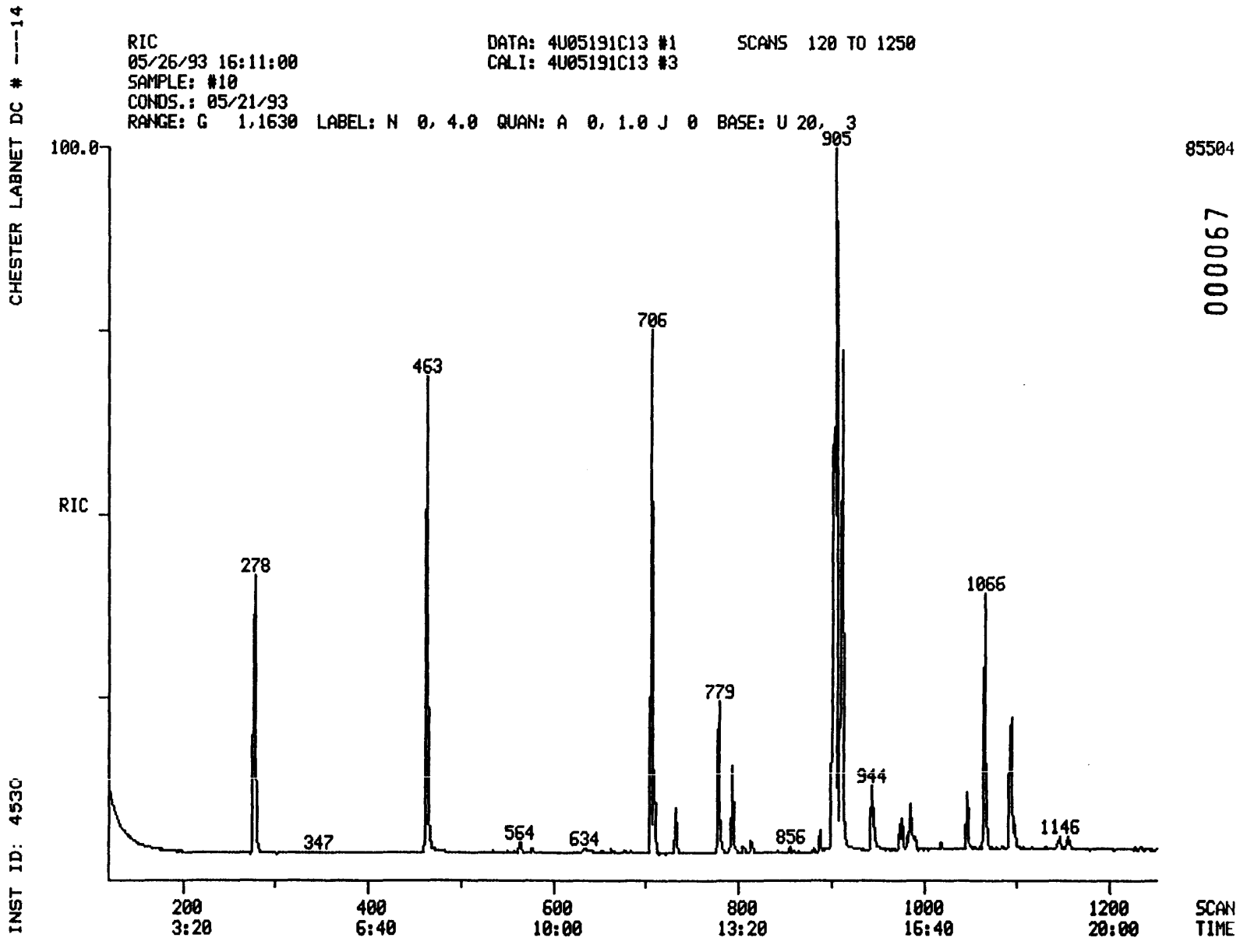
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519113
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

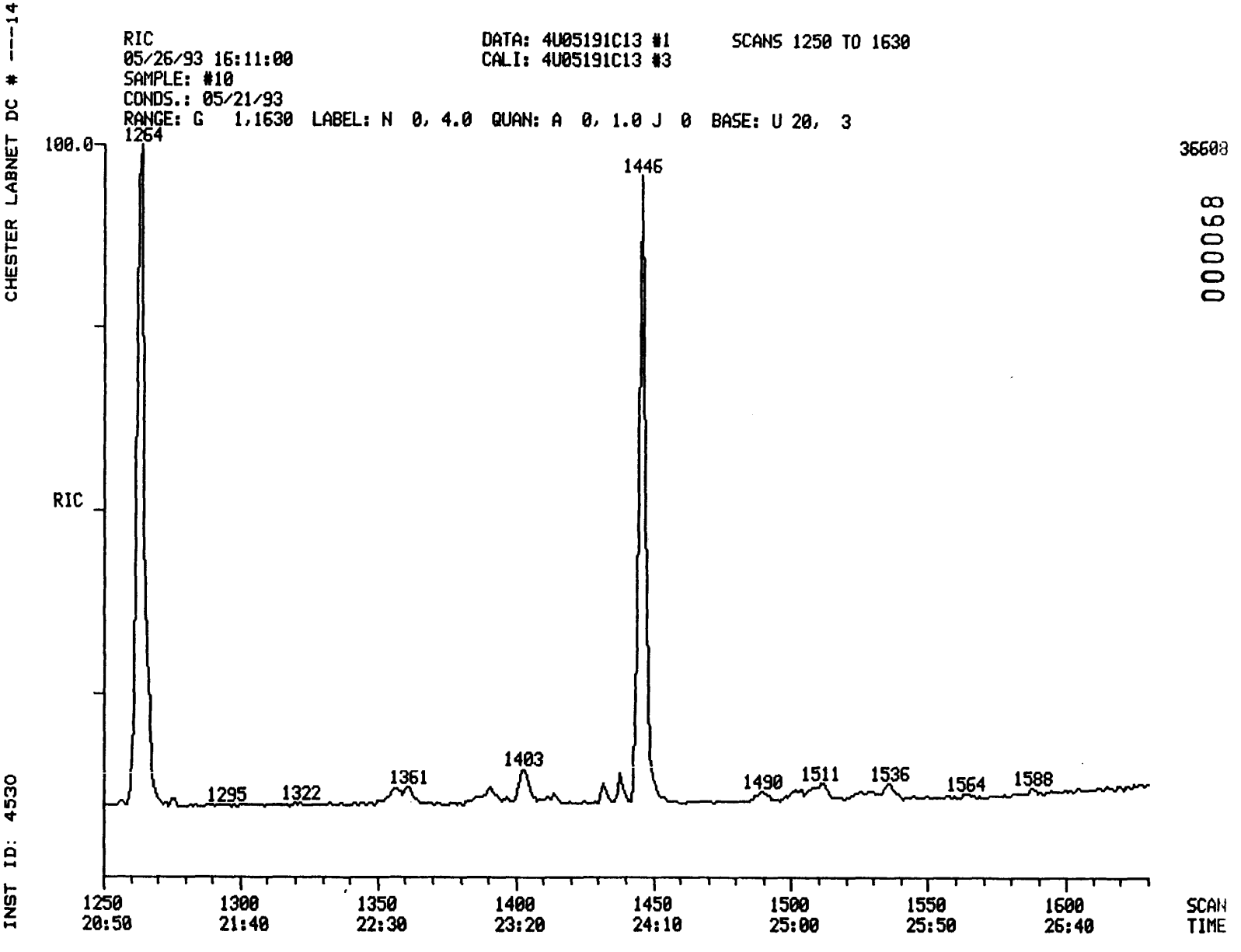
CONCENTRATION: LOW DATAFILE: 4U05191C13
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	200	45 J
C540	ACENAPHTHYLENE	200 U	
C550	ACENAPHTHENE	200	68 J
C590	FLUORENE	200	150 J
C640	PHENANTHRENE	200	500
C645	ANTHRACENE	200	590
C655	FLUORANTHENE	200	260
C715	PYRENE	200	180 J
C730	BENZO(A)ANTHRACENE	200	35 J
C740	CHRYSENE	200	72 J
C765	BENZO(B)FLUORANTHENE	200	26 J
C770	BENZO(K)FLUORANTHENE	200 U	
C775	BENZO(A)PYRENE	200	19 J
C780	INDENO(1,2,3-CD)PYRENE	200	5 J
C785	DIBENZO(A,H)ANTHRACENE	200 U	
C790	BENZO(GHI)PERYLENE	200	6 J

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


CHESTER LABNET DC # ---14
INST ID: 453C
RIC
05/26/93 16:11:00
SAMPLE: #10
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U05191C13 #1
CALI: 4U05191C13 #3
SCANS 120 TO 1250
100.0
RIC
278
347
463
564
634
706
779
856
905
944
1066
1146
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME
85504
000067

010297



36608

000068

010298

010298

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010299

SAMPLE ID. #10

FILENAME 4U05191C13 INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 05/26/93 16:11:00 VERIFIED BY

CALIB STD DATE 05/12/93 CORR. FACTOR 20.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
278	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	400 MG/KG	1.000	157
463	CI40	NAPHTHALENE-D8 ** IS2 **	136	400 MG/KG	1.000	604
706	CI50	ACENAPHTHENE-D10 ** IS3 **	164	400 MG/KG	1.000	264
902	CI60	PHENANTHRENE-D10 ** IS4 **	188	400 MG/KG	1.000	455
1263	CI70	CHRYSENE-D12 ** IS5 **	240	400 MG/KG	1.000	303
1446	CI75	PERYLENE-D12 ** IS6 **	264	400 MG/KG	1.000	303
465	C450	NAPHTHALENE	128	45 MG/KG	1.004	55
710	C550	ACENAPHTHENE	153	68 MG/KG	1.006	55
779	C590	FLUORENE	166	153 MG/KG	1.103	121
905	C640	PHENANTHRENE	178	500 MG/KG	1.003	687
911	C645	ANTHRACENE	178	589 MG/KG	1.010	552
1066	C655	FLUORANTHENE	202	262 MG/KG	1.182	278
1094	C715	PYRENE	202	182 MG/KG	0.866	185
1261	C730	BENZO(A)ANTHRACENE	228	35 MG/KG	0.998	39
1266	C740	CHRYSENE	228	72 MG/KG	1.002	45
1403	C765	BENZO(B)FLUORANTHENE	252	26 MG/KG	0.970	34
1438	C775	BENZO(A)PYRENE	252	19 MG/KG	0.994	16
1564	C780	INDENO(1,2,3-CD)PYRENE	276	5 MG/KG	1.082	4
1588	C790	BENZO(GHI)PERYLENE	276	6 MG/KG	1.098	4

010300

INST ID: 4530 SAMPLE NUMBER: #11

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519114
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C14
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	200	38 J
C740	CHRYSENE	200	81 J
C765	BENZO(B)FLUORANTHENE	200	32 J
C770	BENZO(K)FLUORANTHENE	200 U	
C775	BENZO(A)PYRENE	200	24 J
C780	INDENO(1,2,3-CD)PYRENE	200	9 J
C785	DIBENZO(A,H)ANTHRACENE	200 U	

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

010301

INST ID: 4530 SAMPLE NUMBER: #11

ORGANICS ANALYSIS DATA SHEET -

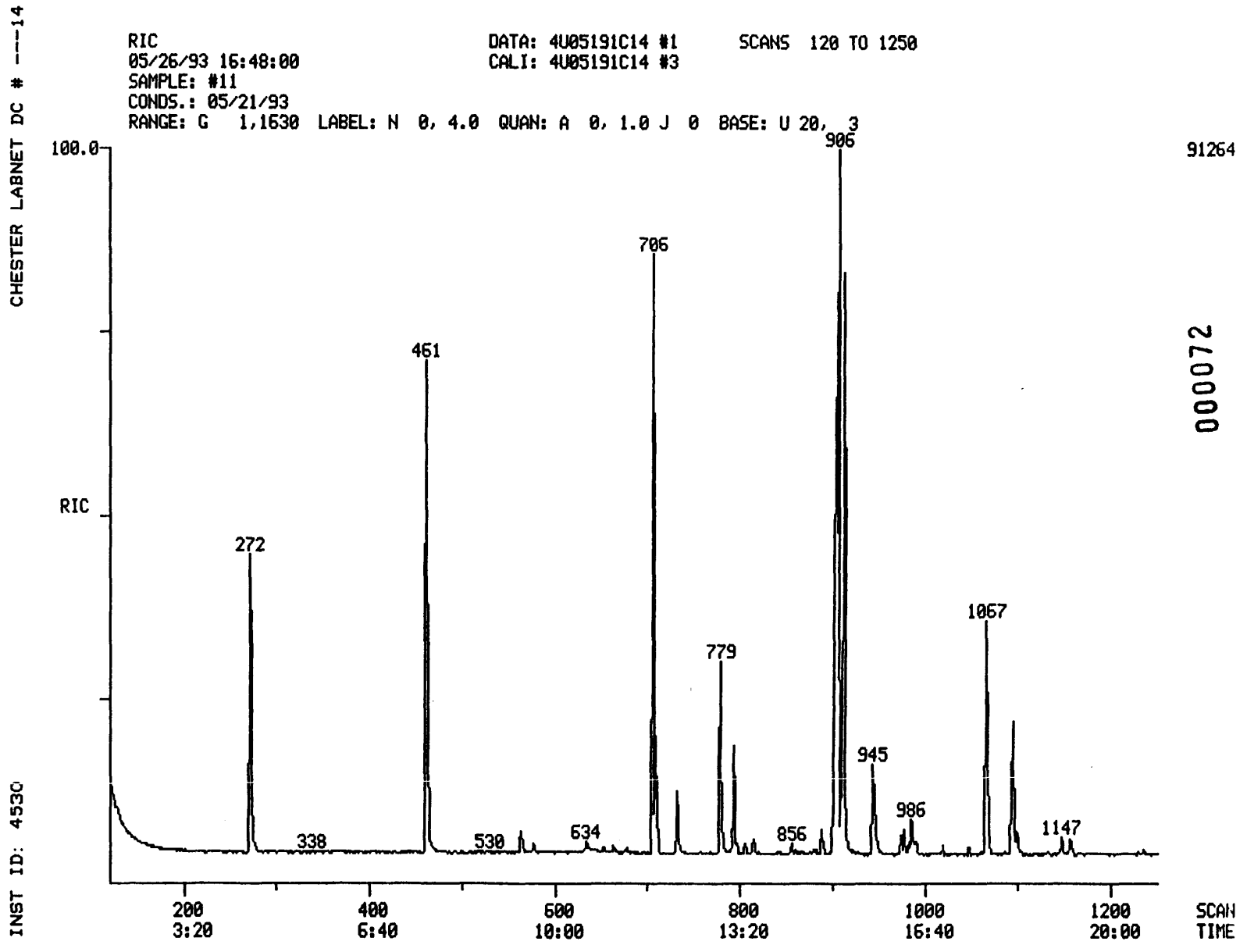
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519114
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C14
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	200	65 J
C540	ACENAPHTHYLENE	200 U	
C550	ACENAPHTHENE	200	77 J
C590	FLUORENE	200	170 J
C640	PHENANTHRENE	200	490
C645	ANTHRACENE	200	670
C655	FLUORANTHENE	200	260
C715	PYRENE	200	190 J
C730	BENZO(A)ANTHRACENE	200	38 J
C740	CHRYSENE	200	81 J
C765	BENZO(B)FLUORANTHENE	200	32 J
C770	BENZO(K)FLUORANTHENE	200 U	
C775	BENZO(A)PYRENE	200	24 J
C780	INDENO(1,2,3-CD)PYRENE	200	9 J
C785	DIBENZO(A,H)ANTHRACENE	200 U	
C790	BENZO(GHI)PERYLENE	200	10 J

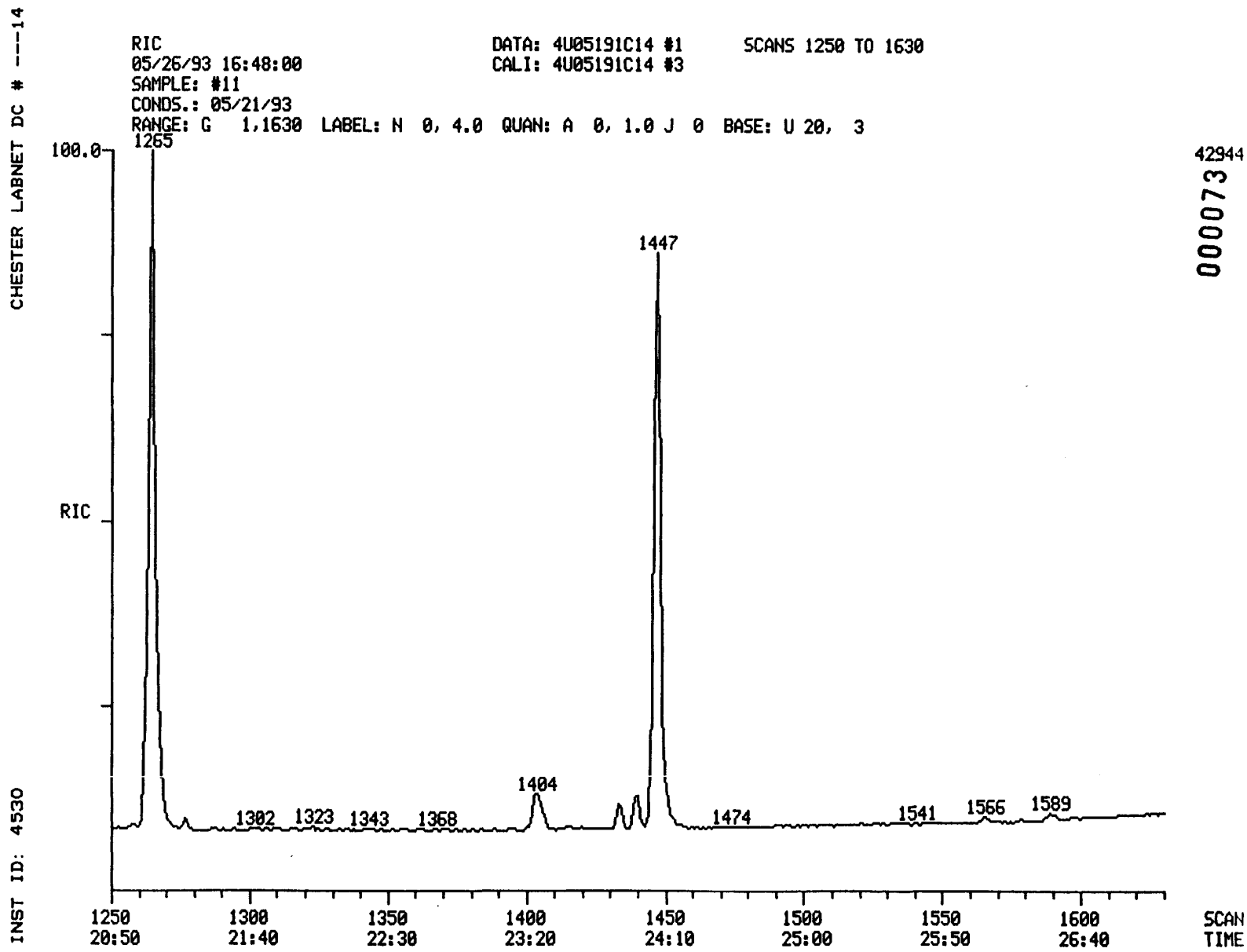
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000072

010302

010302



42944

000073

010303

010303

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010304

SAMPLE ID.	#11		
FILENAME	4U05191C14	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 16:48:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	20.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
272	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	400	MG/KG	1.000	186
461	CI40	NAPHTHALENE-D8 ** IS2 **	136	400	MG/KG	1.000	726
706	CI50	ACENAPHTHENE-D10 ** IS3 **	164	400	MG/KG	1.000	312
903	CI60	PHENANTHRENE-D10 ** IS4 **	188	400	MG/KG	1.000	463
1265	CI70	CHRYSENE-D12 ** IS5 **	240	400	MG/KG	1.000	308
1447	CI75	PERYLENE-D12 ** IS6 **	264	400	MG/KG	1.000	315
464	C450	NAPHTHALENE	128	65	MG/KG	1.007	97
710	C550	ACENAPHTHENE	153	77	MG/KG	1.006	74
779	C590	FLUORENE	166	166	MG/KG	1.103	155
906	C640	PHENANTHRENE	178	488	MG/KG	1.003	682
912	C645	ANTHRACENE	178	669	MG/KG	1.010	638
1067	C655	FLUORANTHENE	202	261	MG/KG	1.182	281
1094	C715	PYRENE	202	190	MG/KG	0.865	196
1263	C730	BENZO(A)ANTHRACENE	228	38	MG/KG	0.998	43
1267	C740	CHRYSENE	228	81	MG/KG	1.002	51
1403	C765	BENZO(B)FLUORANTHENE	252	32	MG/KG	0.970	44
1439	C775	BENZO(A)PYRENE	252	24	MG/KG	0.994	21
1565	C780	INDENO(1,2,3-CD)PYRENE	276	9	MG/KG	1.082	8
1589	C790	BENZO(GHI)PERYLENE	276	10	MG/KG	1.098	7

SURROGATES WERE DILUTED OUT

010305

INST ID: 4530 SAMPLE NUMBER: #12

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519115
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: .... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C15A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/27/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	2900	590 J
C740	CHRYSENE	2900	850 J
C765	BENZO(B)FLUORANTHENE	2900	380 J
C770	BENZO(K)FLUORANTHENE	2900 U	
C775	BENZO(A)PYRENE	2900	300 J
C780	INDENO(1,2,3-CD)PYRENE	2900	89 J
C785	DIBENZO(A,H)ANTHRACENE	2900 U	

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

010306

INST ID: 4530 SAMPLE NUMBER: #12

ORGANICS ANALYSIS DATA SHEET -

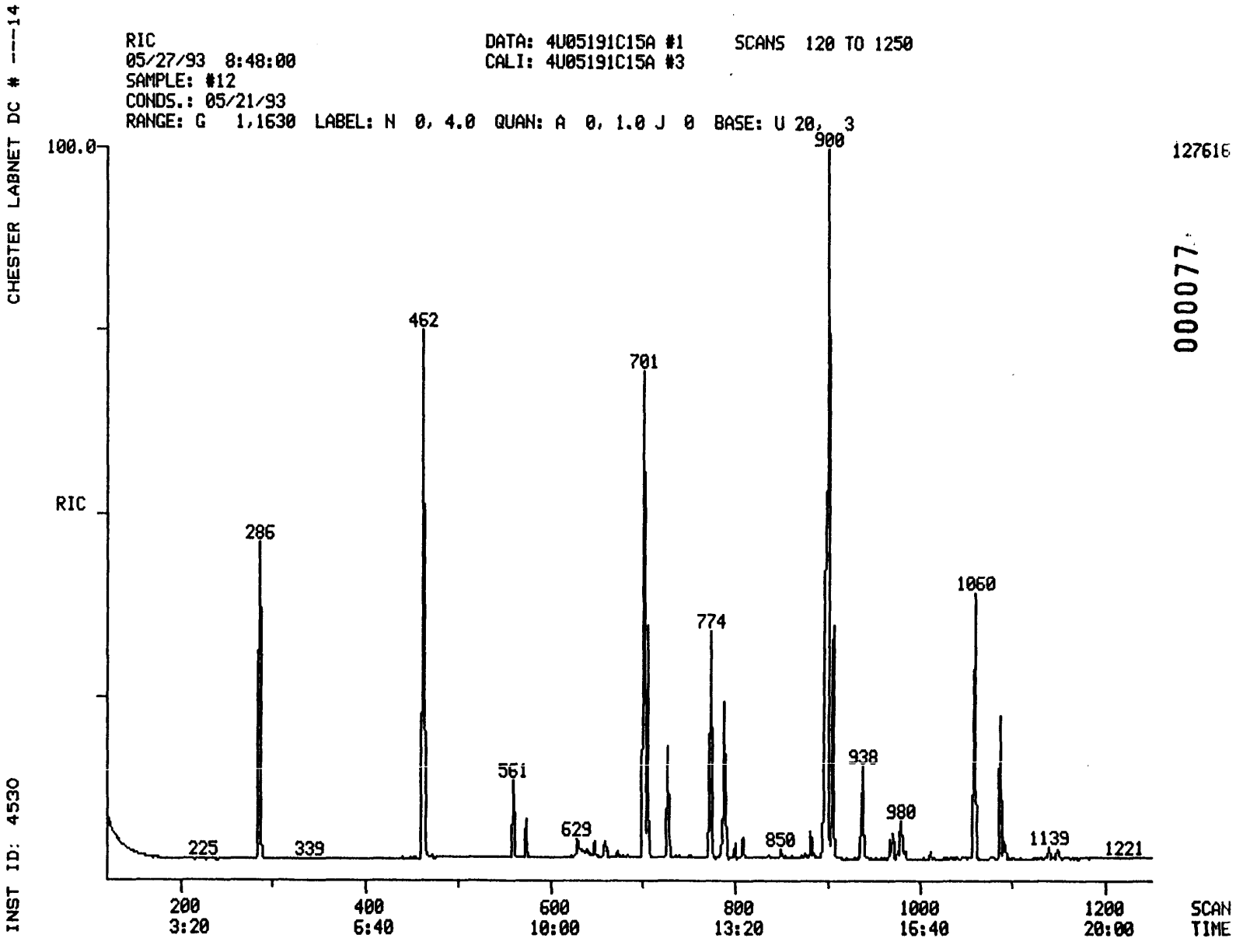
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519115
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C15A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/27/93

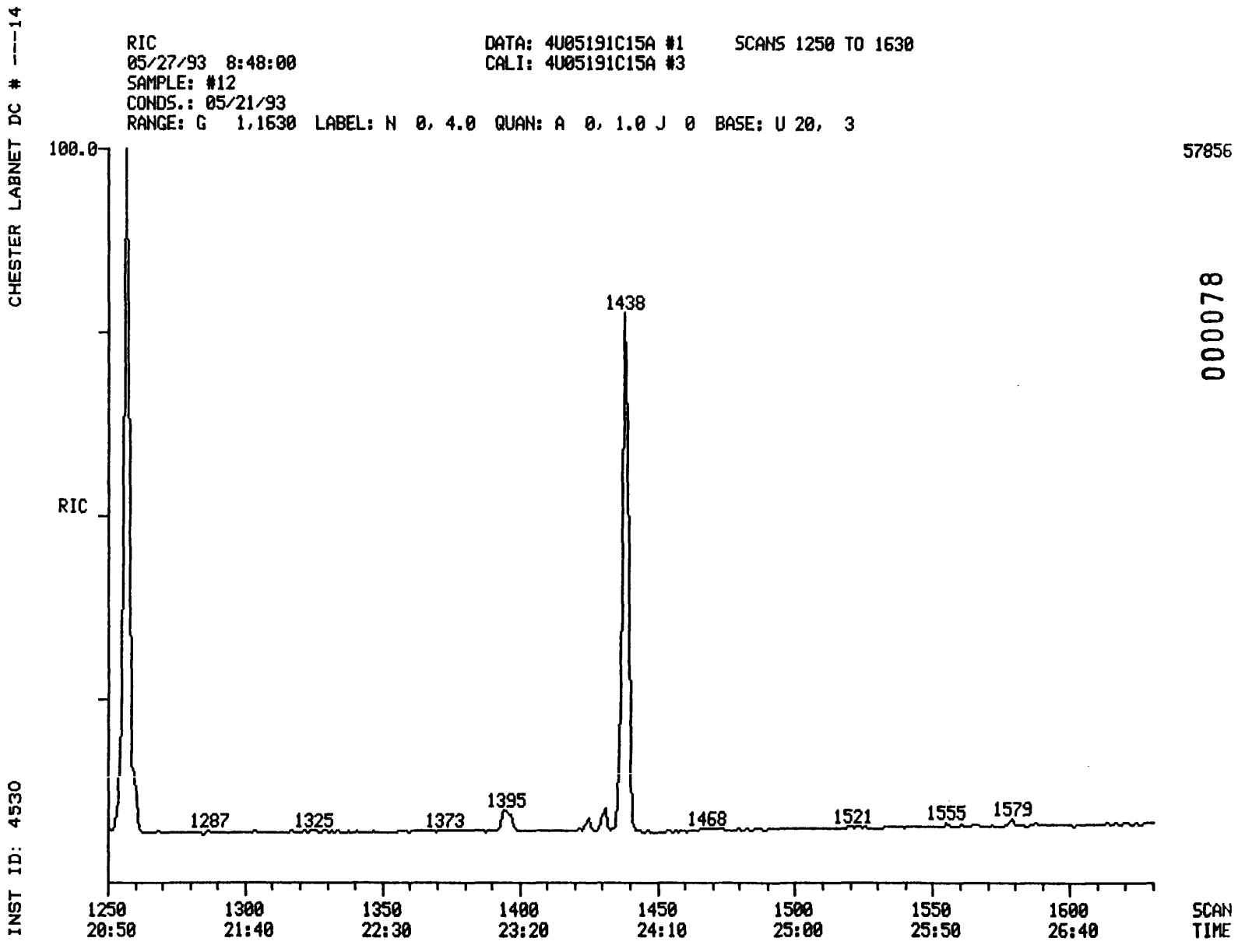
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	2900	2200 J
C540	ACENAPHTHYLENE	2900	31 J
C550	ACENAPHTHENE	2900	2400 J
C590	FLUORENE	2900	3000
C640	PHENANTHRENE	2900	8200
C645	ANTHRACENE	2900	5100
C655	FLUORANTHENE	2900	4200
C715	PYRENE	2900	2800 J
C730	BENZO(A)ANTHRACENE	2900	590 J
C740	CHRYSENE	2900	850 J
C765	BENZO(B)FLUORANTHENE	2900	380 J
C770	BENZO(K)FLUORANTHENE	2900 U	
C775	BENZO(A)PYRENE	2900	300 J
C780	INDENO(1,2,3-CD)PYRENE	2900	89 J
C785	DIBENZO(A,H)ANTHRACENE	2900 U	
C790	BENZO(GHI)PERYLENE	2900	100 J

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



000077

010307



000078

010308

010308

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010309

SAMPLE ID.	#12		
FILENAME	4U05191C15A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/27/93 8:48:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	290.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
286	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	5800 MG/KG	1.000	214
462	CI40	NAPHTHALENE-D8 ** IS2 **	136	5800 MG/KG	1.000	889
701	CI50	ACENAPHTHENE-D10 ** IS3 **	164	5800 MG/KG	1.000	379
897	CI60	PHENANTHRENE-D10 ** IS4 **	188	5800 MG/KG	1.000	566
1257	CI70	CHRYSENE-D12 ** IS5 **	240	5800 MG/KG	1.000	365
1438	CI75	PERYLENE-D12 ** IS6 **	264	5800 MG/KG	1.000	357
464	C450	NAPHTHALENE	128	2210 MG/KG	1.004	275
679	C540	ACENAPHTHYLENE	152	31 MG/KG	0.969	4
705	C550	ACENAPHTHENE	153	2355 MG/KG	1.006	204
774	C590	FLUORENE	166	3031 MG/KG	1.104	255
900	C640	PHENANTHRENE	178	8213 MG/KG	1.003	1048
905	C645	ANTHRACENE	178	5054 MG/KG	1.009	401
1060	C655	FLUORANTHENE	202	4196 MG/KG	1.182	380
1087	C715	PYRENE	202	2826 MG/KG	0.865	238
1255	C730	BENZO(A)ANTHRACENE	228	593 MG/KG	0.998	55
1260	C740	CHRYSENE	228	849 MG/KG	1.002	43
1395	C765	BENZO(B)FLUORANTHENE	252	380 MG/KG	0.970	42
1431	C775	BENZO(A)PYRENE	252	300 MG/KG	0.995	21
1555	C780	INDENO(1,2,3-CD)PYRENE	276	89 MG/KG	1.081	5
1579	C790	BENZO(GHI)PERYLENE	276	101 MG/KG	1.098	6

*SURROGATES WERE DILUTED OUT

010310

INST ID: 4530 SAMPLE NUMBER: #16

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519116
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C16
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	270	110 J
C740	CHRYSENE	270	190 J
C765	BENZO(B)FLUORANTHENE	270	70 J
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	55 J
C780	INDENO(1,2,3-CD)PYRENE	270	20 J
C785	DIBENZO(A,H)ANTHRACENE	270 U	

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

010311

INST ID: 4530 SAMPLE NUMBER: #16

ORGANICS ANALYSIS DATA SHEET -

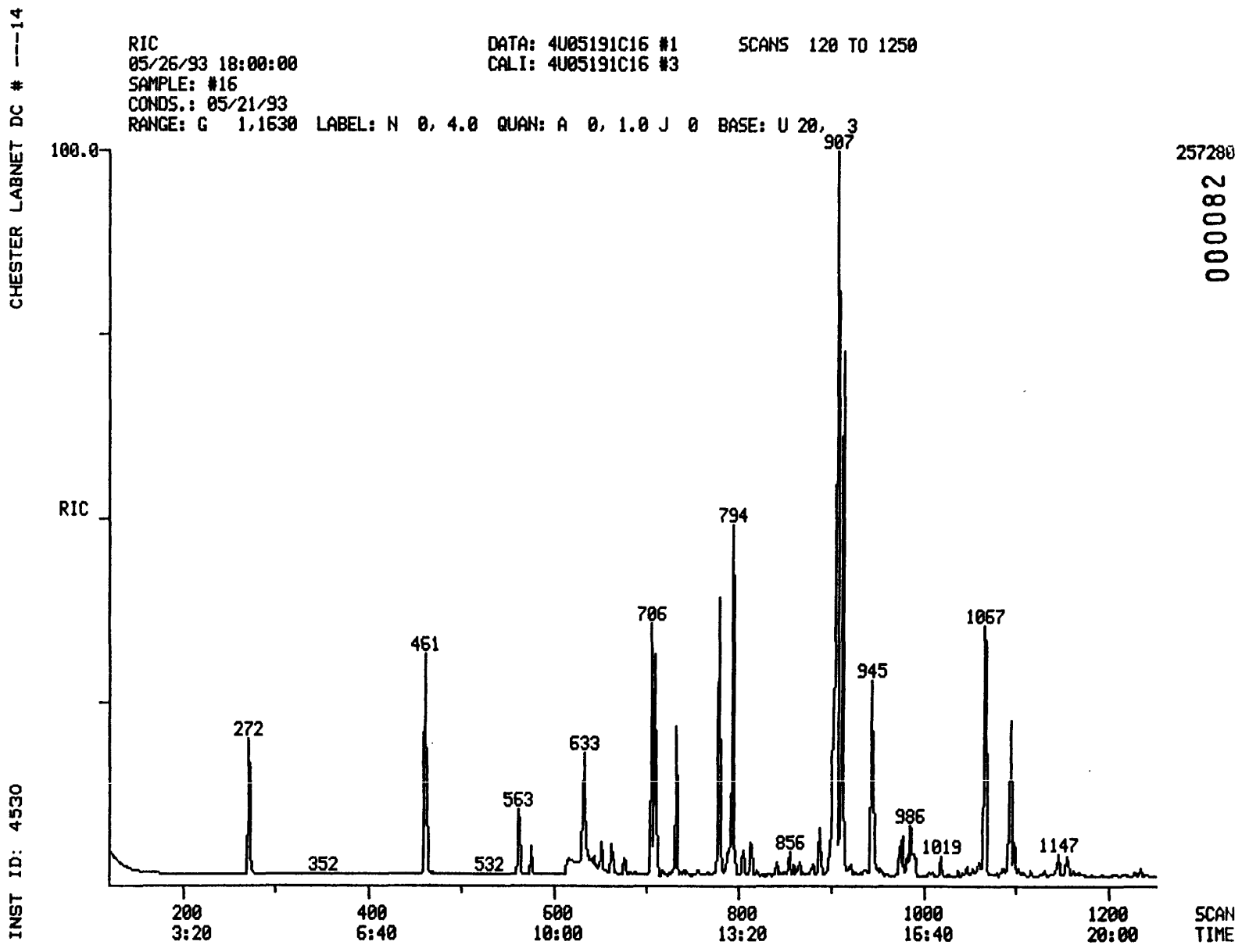
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519116
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C16
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	270	190 J
C540	ACENAPHTHYLENE	270	12 J
C550	ACENAPHTHENE	270	440
C590	FLUORENE	270	790
C640	PHENANTHRENE	270	2000
C645	ANTHRACENE	270	1700
C655	FLUORANTHENE	270	930
C715	PYRENE	270	610
C730	BENZO(A)ANTHRACENE	270	110 J
C740	CHRYSENE	270	190 J
C765	BENZO(B)FLUORANTHENE	270	70 J
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	55 J
C780	INDENO(1,2,3-CD)PYRENE	270	20 J
C785	DIBENZO(A,H)ANTHRACENE	270 U	
C790	BENZO(GHI)PERYLENE	270	23 J

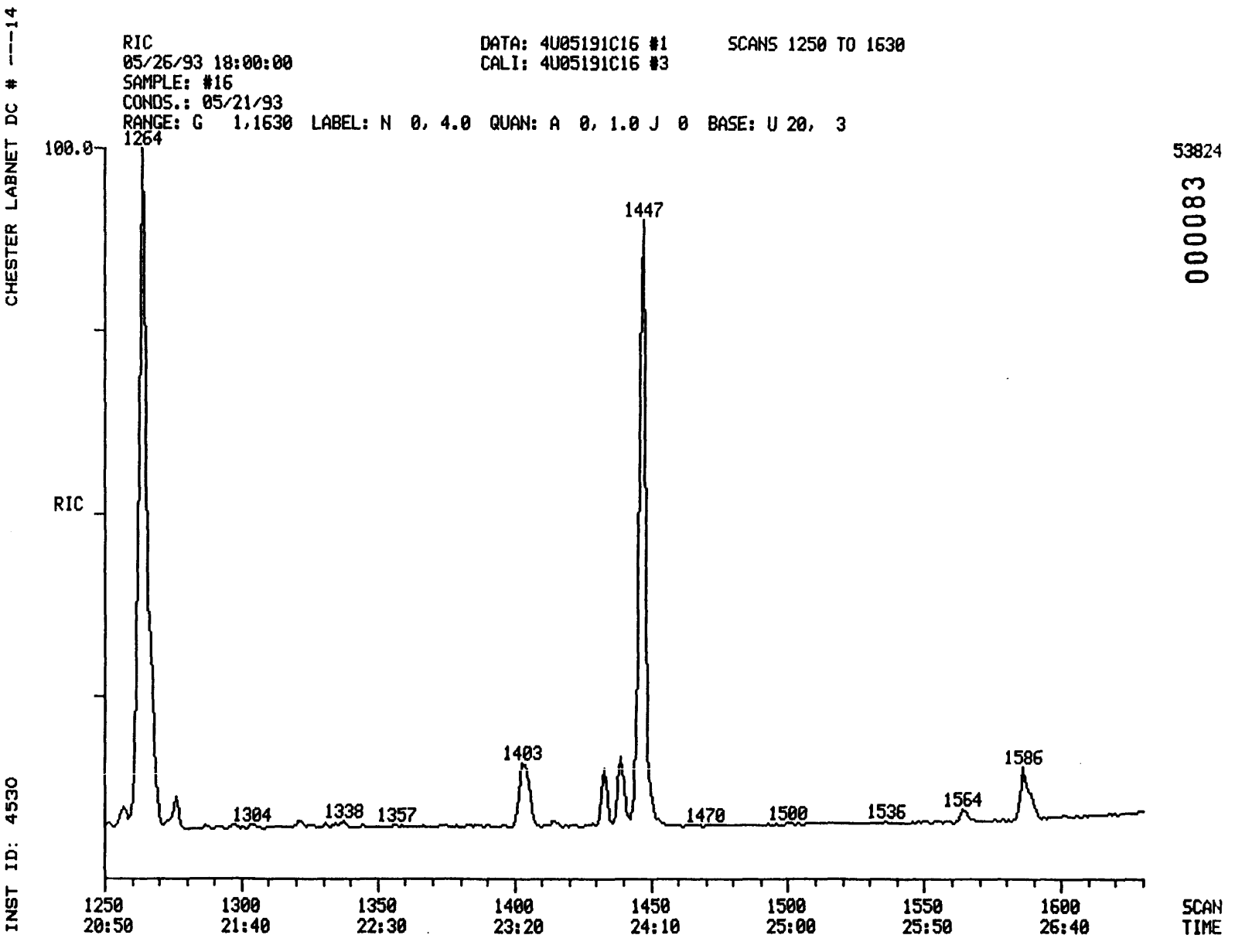
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000082

010312

010312



53824

000083

010313

010313

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010314

SAMPLE ID.	#16		
FILENAME	4U05191C16	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 18:00:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	27.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
272	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	540 MG/KG	1.000	22E
461	CI40	NAPHTHALENE-D8 ** IS2 **	136	540 MG/KG	1.000	88E
706	CI50	ACENAPHTHENE-D10 ** IS3 **	164	540 MG/KG	1.000	381
903	CI60	PHENANTHRENE-D10 ** IS4 **	188	540 MG/KG	1.000	56E
1264	CI70	CHRYSENE-D12 ** IS5 **	240	540 MG/KG	1.000	382
1447	CI75	PERYLENE-D12 ** IS6 **	264	540 MG/KG	1.000	385
464	C450	NAPHTHALENE	128	192 MG/KG	1.007	259
684	C540	ACENAPHTHYLENE	152	12 MG/KG	0.969	17
710	C550	ACENAPHTHENE	153	443 MG/KG	1.006	386
779	C590	FLUORENE	166	789 MG/KG	1.103	667
907	C640	PHENANTHRENE	178	2029 MG/KG	1.004	2583
913	C645	ANTHRACENE	178	1750 MG/KG	1.011	1517
1067	C655	FLUORANTHENE	202	930 MG/KG	1.182	912
1094	C715	PYRENE	202	614 MG/KG	0.866	581
1262	C730	BENZO(A)ANTHRACENE	228	112 MG/KG	0.998	116
1267	C740	CHRYSENE	228	188 MG/KG	1.002	110
1403	C765	BENZO(B)FLUORANTHENE	252	70 MG/KG	0.970	85
1439	C775	BENZO(A)PYRENE	252	55 MG/KG	0.994	44
1564	C780	INDENO(1,2,3-CD)PYRENE	276	20 MG/KG	1.081	15
1589	C790	BENZO(GHI)PERYLENE	276	23 MG/KG	1.098	16

SURROGATES WERE DILUTED OUT

000084

010314

010315

INST ID: 4530 SAMPLE NUMBER: #17

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519117
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C17A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	69	24 J
C740	CHRYSENE	69	39 J
C765	BENZO(B)FLUORANTHENE	69	14 J
C770	BENZO(K)FLUORANTHENE	69 U	
C775	BENZO(A)PYRENE	69	10 J
C780	INDENO(1,2,3-CD)PYRENE	69	3 J
C785	DIBENZO(A,H)ANTHRACENE	69 U	

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

010316

INST ID: 4530 SAMPLE NUMBER: #17

ORGANICS ANALYSIS DATA SHEET -

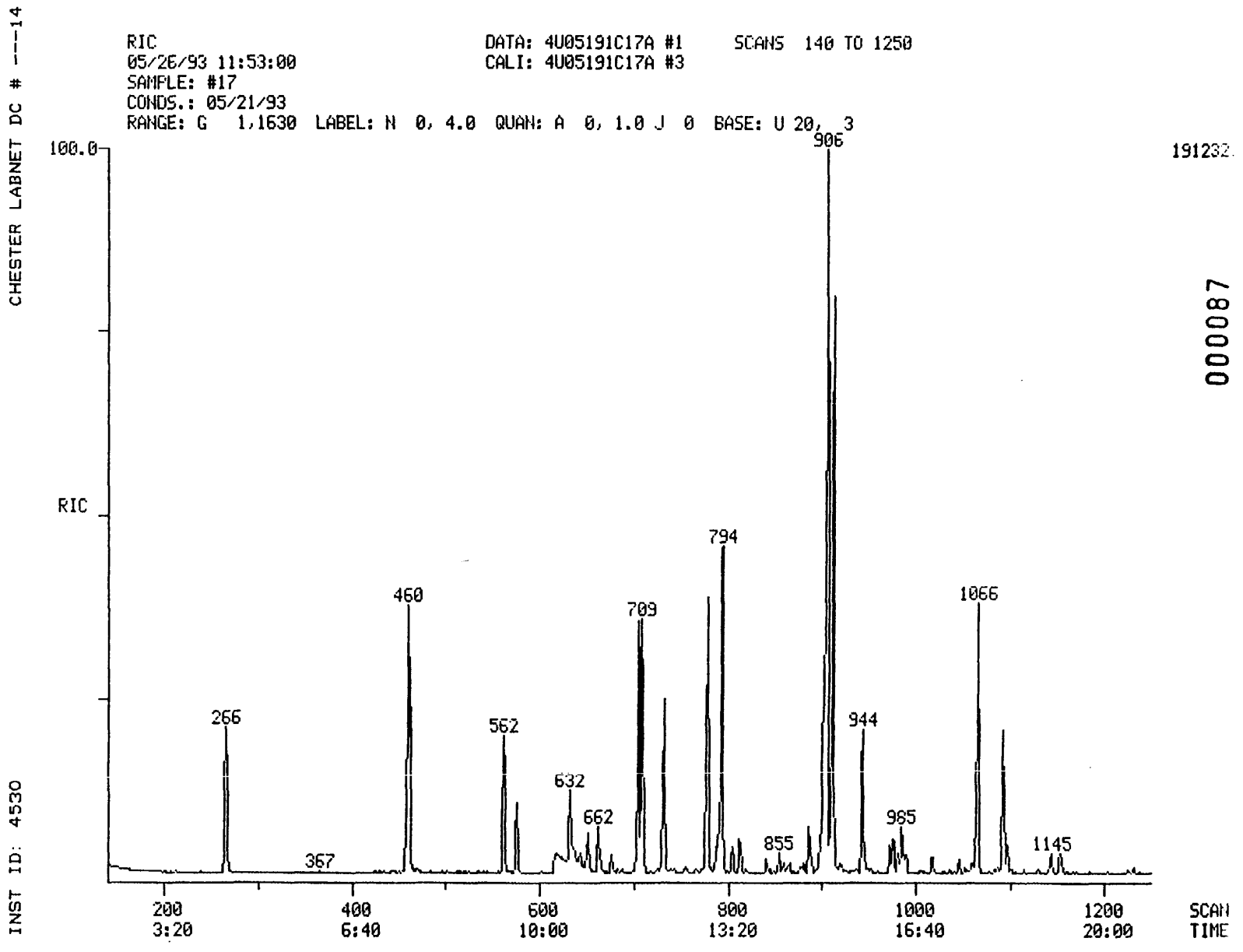
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519117
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C17A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	69	120
C540	ACENAPHTHYLENE	69	3 J
C550	ACENAPHTHENE	69	130
C590	FLUORENE	69	180
C640	PHENANTHRENE	69	410
C645	ANTHRACENE	69	380
C655	FLUORANTHENE	69	190
C715	PYRENE	69	120
C730	BENZO(A)ANTHRACENE	69	24 J
C740	CHRYSENE	69	39 J
C765	BENZO(B)FLUORANTHENE	69	14 J
C770	BENZO(K)FLUORANTHENE	69 U	
C775	BENZO(A)PYRENE	69	10 J
C780	INDENO(1,2,3-CD)PYRENE	69	3 J
C785	DIBENZO(A,H)ANTHRACENE	69 U	
C790	BENZO(GHI)PERYLENE	69 U	

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

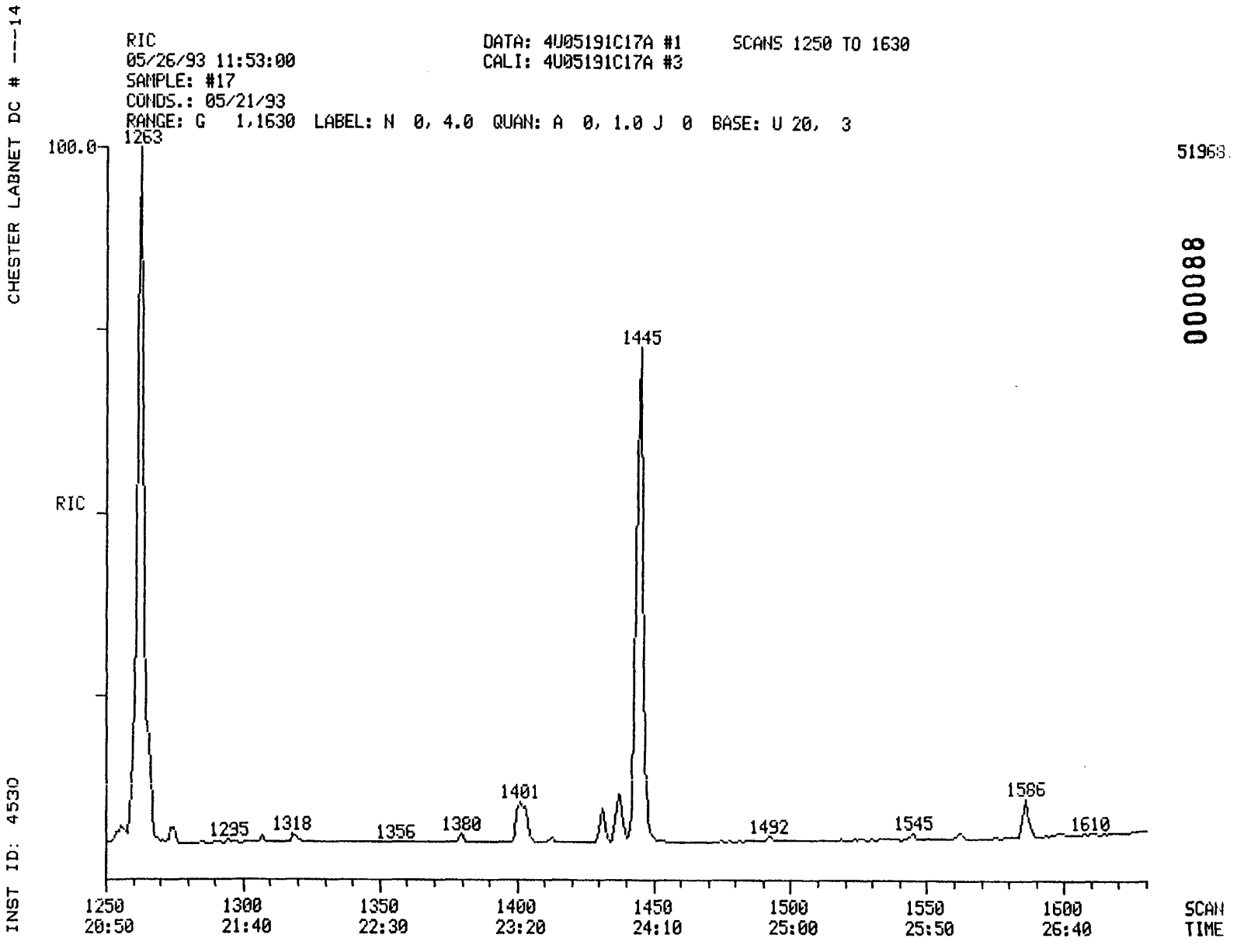


191232

000087

010317

010317



51968.

000088

010318

010318

CHESTER LABNET DC # ---1

010319

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	#17		
FILENAME	4U05191C17A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 11:53:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	6.90

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
266	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	138 MG/KG	1.000	175
460	CI40	NAPHTHALENE-D8 ** IS2 **	136	138 MG/KG	1.000	738
705	CI50	ACENAPHTHENE-D10 ** IS3 **	164	138 MG/KG	1.000	317
902	CI60	PHENANTHRENE-D10 ** IS4 **	188	138 MG/KG	1.000	491
1263	CI70	CHRYSENE-D12 ** IS5 **	240	138 MG/KG	1.000	320
1445	CI75	PERYLENE-D12 ** IS6 **	264	138 MG/KG	1.000	322
462	C450	NAPHTHALENE	128	121 MG/KG	1.004	533
683	C540	ACENAPHTHYLENE	152	3 MG/KG	0.969	14
709	C550	ACENAPHTHENE	153	128 MG/KG	1.006	366
778	C590	FLUORENE	166	180 MG/KG	1.104	497
906	C640	PHENANTHRENE	178	407 MG/KG	1.004	1751
912	C645	ANTHRACENE	178	382 MG/KG	1.011	1119
1066	C655	FLUORANTHENE	202	186 MG/KG	1.182	618
1093	C715	PYRENE	202	119 MG/KG	0.865	370
1261	C730	BENZO(A)ANTHRACENE	228	24 MG/KG	0.998	80
1265	C740	CHRYSENE	228	39 MG/KG	1.002	75
1401	C765	BENZO(B)FLUORANTHENE	252	14 MG/KG	0.970	56
1437	C775	BENZO(A)PYRENE	252	10 MG/KG	0.994	27
1562	C780	INDENO(1,2,3-CD)PYRENE	276	3 MG/KG	1.081	7

*SURROGATES WERE DILUTED OUT

010320

INST ID: 4530 SAMPLE NUMBER: #18

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519118
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C18A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	1200	370 J
C740	CHRYSENE	1200	460 J
C765	BENZO(B)FLUORANTHENE	1200	210 J
C770	BENZO(K)FLUORANTHENE	1200 U	
C775	BENZO(A)PYRENE	1200	150 J
C780	INDENO(1,2,3-CD)PYRENE	1200	44 J
C785	DIBENZO(A,H)ANTHRACENE	1200 U	

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

010321

INST ID: 4530 SAMPLE NUMBER: #18

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519118
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C18A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	1200	910 J
C540	ACENAPHTHYLENE	1200	36 J
C550	ACENAPHTHENE	1200	1600
C590	FLUORENE	1200	3100
C640	PHENANTHRENE	1200	7000
C645	ANTHRACENE	1200	8100
C655	FLUORANTHENE	1200	2900
C715	PYRENE	1200	1800
C730	BENZO(A)ANTHRACENE	1200	370 J
C740	CHRYSENE	1200	460 J
C765	BENZO(B)FLUORANTHENE	1200	210 J
C770	BENZO(K)FLUORANTHENE	1200 U	
C775	BENZO(A)PYRENE	1200	150 J
C780	INDENO(1,2,3-CD)PYRENE	1200	44 J
C785	DIBENZO(A,H)ANTHRACENE	1200 U	
C790	BENZO(GHI)PERYLENE	1200	52 J

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

000001

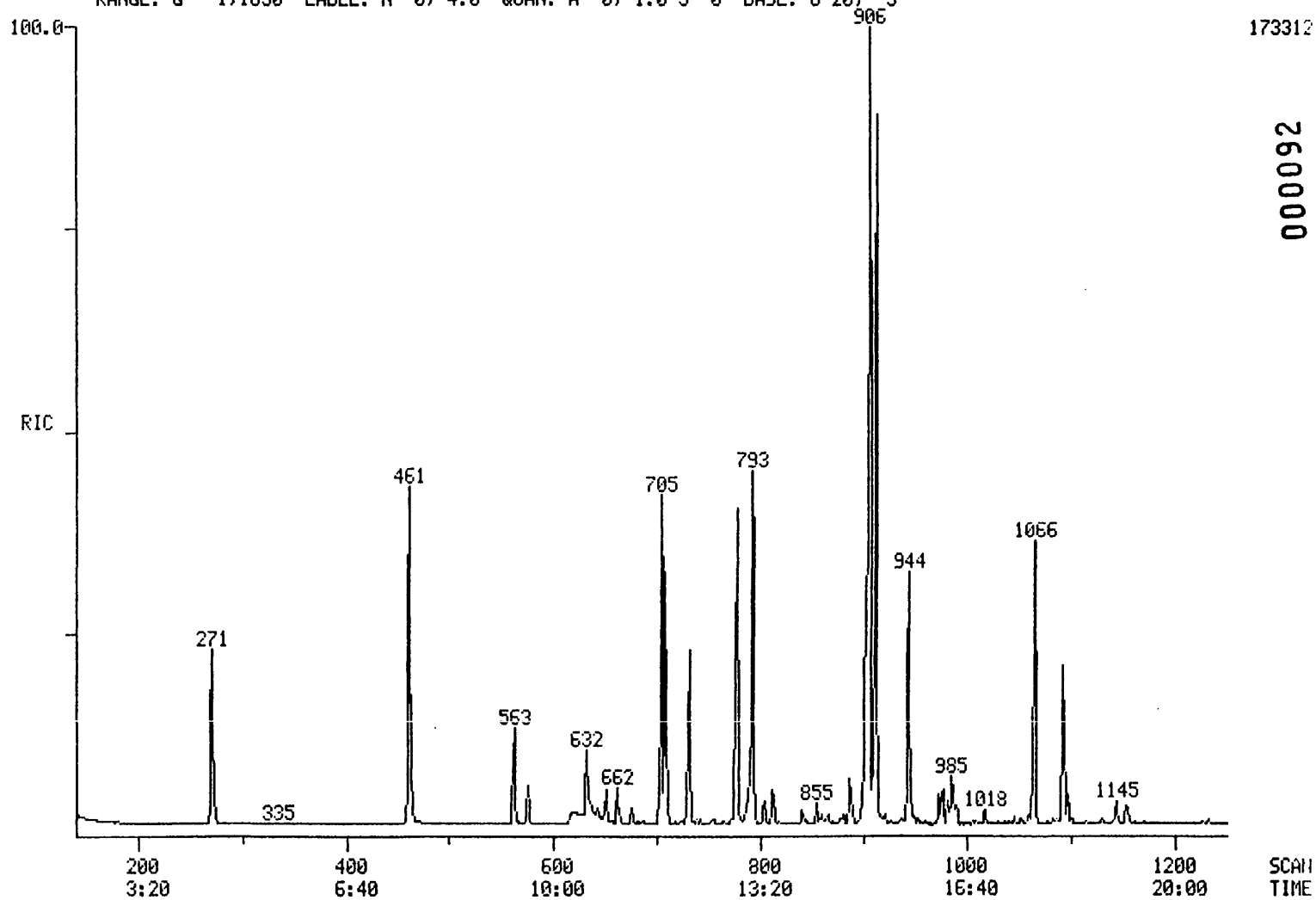
CHESTER LABNET DC # ---14

RIC
05/26/93 12:30:00
SAMPLE: #18
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U05191C18A #1 SCANS 140 TO 1250
CALI: 4U05191C18A #3

173312

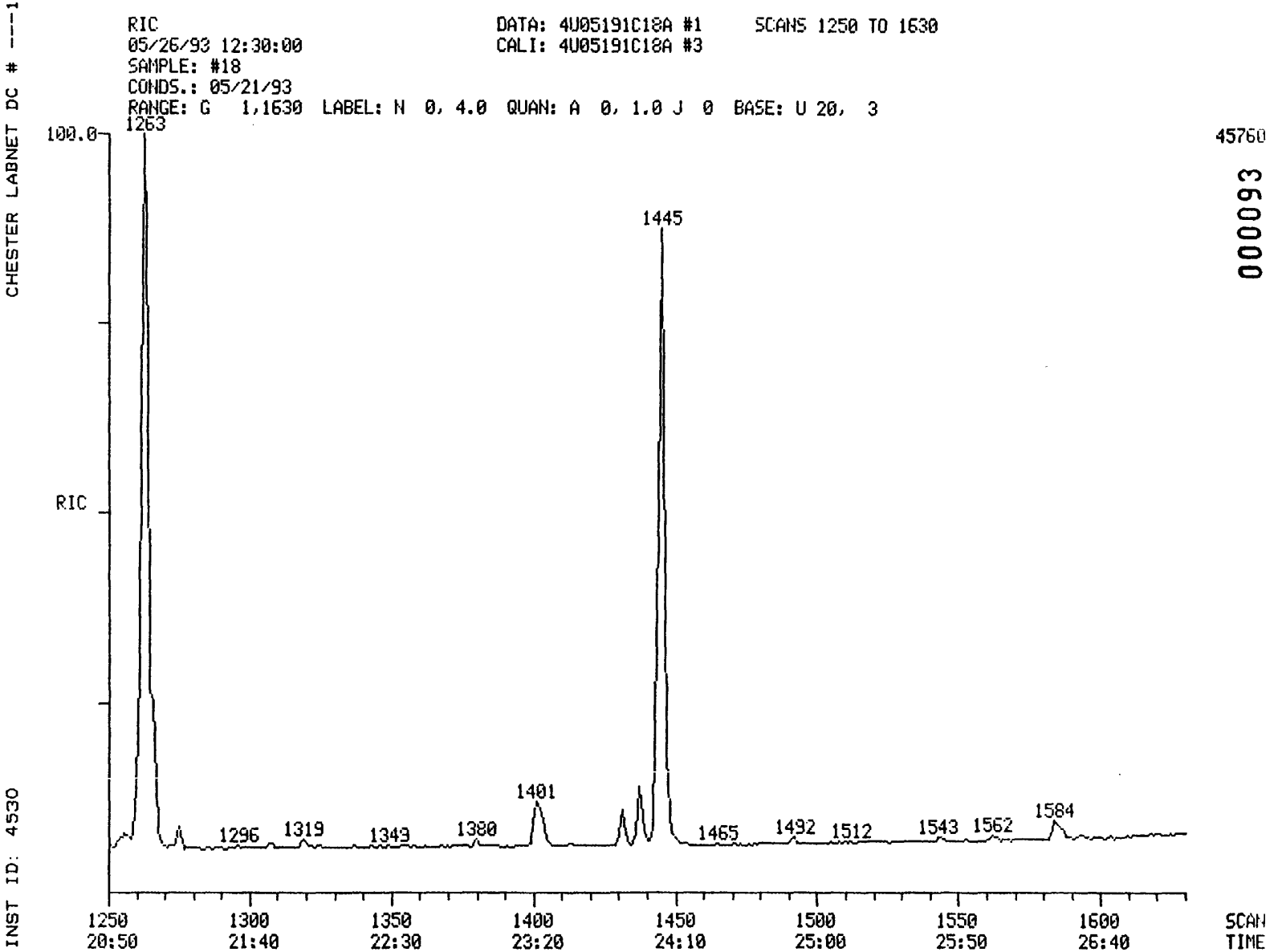
000092



INST ID: 4530

010322

010322



000093

010323

010323

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010324

SAMPLE ID.	#18		
FILENAME	4U05191C18A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 12:30:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	120.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
271	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	2400 MG/KG	1.000	179
461	CI40	NAPHTHALENE-D8 ** IS2 **	136	2400 MG/KG	1.000	752
705	CI50	ACENAPHTHENE-D10 ** IS3 **	164	2400 MG/KG	1.000	313
902	CI60	PHENANTHRENE-D10 ** IS4 **	188	2400 MG/KG	1.000	470
1263	CI70	CHRYSENE-D12 ** IS5 **	240	2400 MG/KG	1.000	321
1445	CI75	PERYLENE-D12 ** IS6 **	264	2400 MG/KG	1.000	324
463	C450	NAPHTHALENE	128	911 MG/KG	1.004	235
683	C540	ACENAPHTHYLENE	152	36 MG/KG	0.969	9
709	C550	ACENAPHTHENE	153	1612 MG/KG	1.006	260
778	C590	FLUORENE	166	3096 MG/KG	1.104	484
906	C640	PHENANTHRENE	178	7033 MG/KG	1.004	1665
912	C645	ANTHRACENE	178	8074 MG/KG	1.011	1302
1066	C655	FLUORANTHENE	202	2896 MG/KG	1.182	528
1093	C715	PYRENE	202	1840 MG/KG	0.865	330
1261	C730	BENZO(A)ANTHRACENE	228	372 MG/KG	0.998	73
1266	C740	CHRYSENE	228	464 MG/KG	1.002	51
1401	C765	BENZO(B)FLUORANTHENE	252	206 MG/KG	0.970	48
1437	C775	BENZO(A)PYRENE	252	151 MG/KG	0.994	22
1562	C780	INDENO(1,2,3-CD)PYRENE	276	44 MG/KG	1.081	6
1586	C790	BENZO(GHI)PERYLENE	276	52 MG/KG	1.098	7

*SURROGATES WERE DILUTED OUT

010325

INST ID: 4530 SAMPLE NUMBER: #19

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519119
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C19A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	1800	360 J
C740	CHRYSENE	1800	720 J
C765	BENZO(B)FLUORANTHENE	1800	210 J
C770	BENZO(K)FLUORANTHENE	1800 U	
C775	BENZO(A)PYRENE	1800	150 J
C780	INDENO(1,2,3-CD)PYRENE	1800	18 J
C785	DIBENZO(A,H)ANTHRACENE	1800 U	

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

010326

INST ID: 4530 SAMPLE NUMBER: #19

ORGANICS ANALYSIS DATA SHEET -

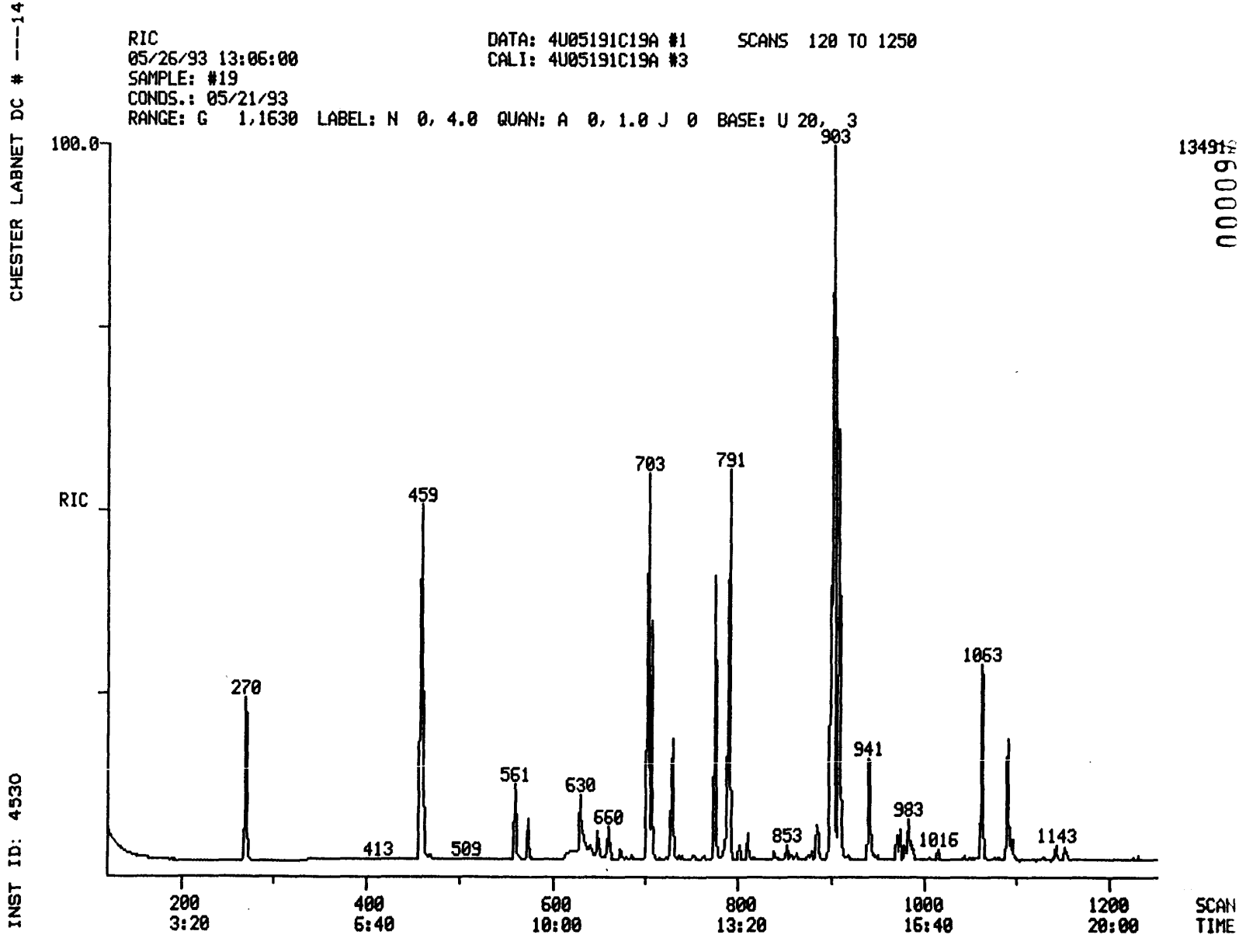
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519119
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

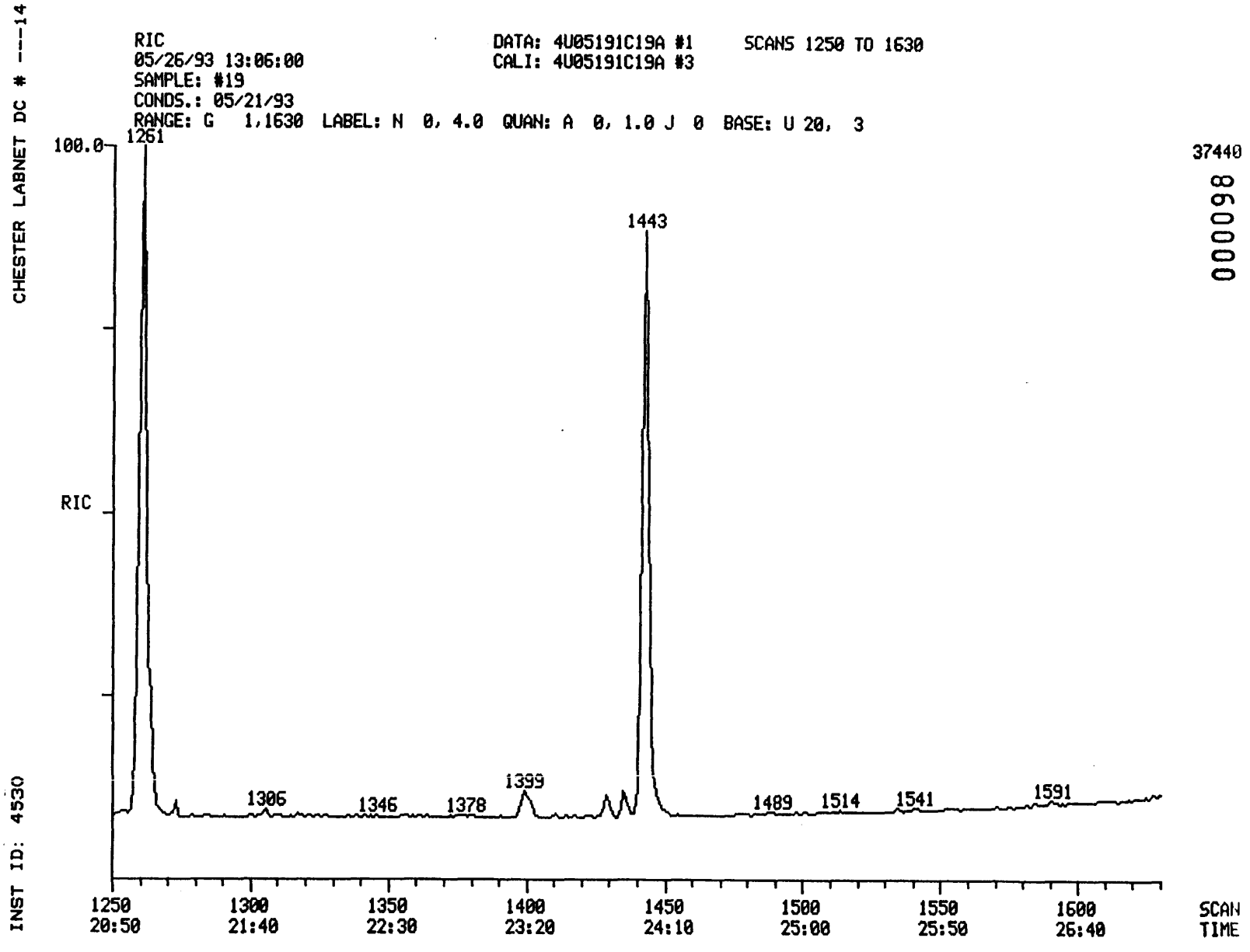
CONCENTRATION: LOW DATAFILE: 4U05191C19A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	1800	1700 J
C540	ACENAPHTHYLENE	1800	36 J
C550	ACENAPHTHENE	1800	2100
C590	FLUORENE	1800	3100
C640	PHENANTHRENE	1800	7500
C645	ANTHRACENE	1800	6500
C655	FLUORANTHENE	1800	3300
C715	PYRENE	1800	2300
C730	BENZO(A)ANTHRACENE	1800	360 J
C740	CHRYSENE	1800	720 J
C765	BENZO(B)FLUORANTHENE	1800	210 J
C770	BENZO(K)FLUORANTHENE	1800 U	
C775	BENZO(A)PYRENE	1800	150 J
C780	INDENO(1,2,3-CD)PYRENE	1800	18 J
C785	DIBENZO(A,H)ANTHRACENE	1800 U	
C790	BENZO(GHI)PERYLENE	1800	34 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
05/26/93 13:06:00
SAMPLE: #19
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U05191C19A #1
CALI: 4U05191C19A #3
SCANS 120 TO 1250
100.0
RIC
270
413
459
509
561
630
660
703
791
853
903
941
983
1016
1063
1143
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

010327



010328

010328

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010329

SAMPLE ID.	#19		
FILENAME	4U05191C19A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 13:06:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	180.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
270	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	3600 MG/KG	1.000	153
459	CI40	NAPHTHALENE-D8 ** IS2 **	136	3600 MG/KG	1.000	703
703	CI50	ACENAPHTHENE-D10 ** IS3 **	164	3600 MG/KG	1.000	301
900	CI60	PHENANTHRENE-D10 ** IS4 **	188	3600 MG/KG	1.000	445
1261	CI70	CHRYSENE-D12 ** IS5 **	240	3600 MG/KG	1.000	297
1443	CI75	PERYLENE-D12 ** IS6 **	264	3600 MG/KG	1.000	300
461	C450	NAPHTHALENE	128	1726 MG/KG	1.004	278
681	C540	ACENAPHTHYLENE	152	36 MG/KG	0.969	6
707	C550	ACENAPHTHENE	153	2102 MG/KG	1.006	217
776	C590	FLUORENE	166	3117 MG/KG	1.104	312
903	C640	PHENANTHRENE	178	7484 MG/KG	1.003	1119
909	C645	ANTHRACENE	178	6460 MG/KG	1.010	658
1063	C655	FLUORANTHENE	202	3306 MG/KG	1.181	381
1091	C715	PYRENE	202	2311 MG/KG	0.865	256
1259	C730	BENZO(A)ANTHRACENE	228	360 MG/KG	0.998	43
1264	C740	CHRYSENE	228	725 MG/KG	1.002	49
1399	C765	BENZO(B)FLUORANTHENE	252	214 MG/KG	0.970	30
1435	C775	BENZO(A)PYRENE	252	149 MG/KG	0.994	14
1561	C780	INDENO(1,2,3-CD)PYRENE	276	18 MG/KG	1.082	1
1585	C790	BENZO(GHI)PERYLENE	276	34 MG/KG	1.098	2

SURROGATES WERE DILUTED OUT

010330

INST ID: 4530 SAMPLE NUMBER: #20

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519120
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C20A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	100	14 J
C740	CHRYSENE	100	27 J
C765	BENZO(B)FLUORANTHENE	100	8 J
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	5 J
C780	INDENO(1,2,3-CD)PYRENE	100 U	
C785	DIBENZO(A,H)ANTHRACENE	100 U	

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

000100

010330

010331

INST ID: 4530 SAMPLE NUMBER: #20

ORGANICS ANALYSIS DATA SHEET --

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519120
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

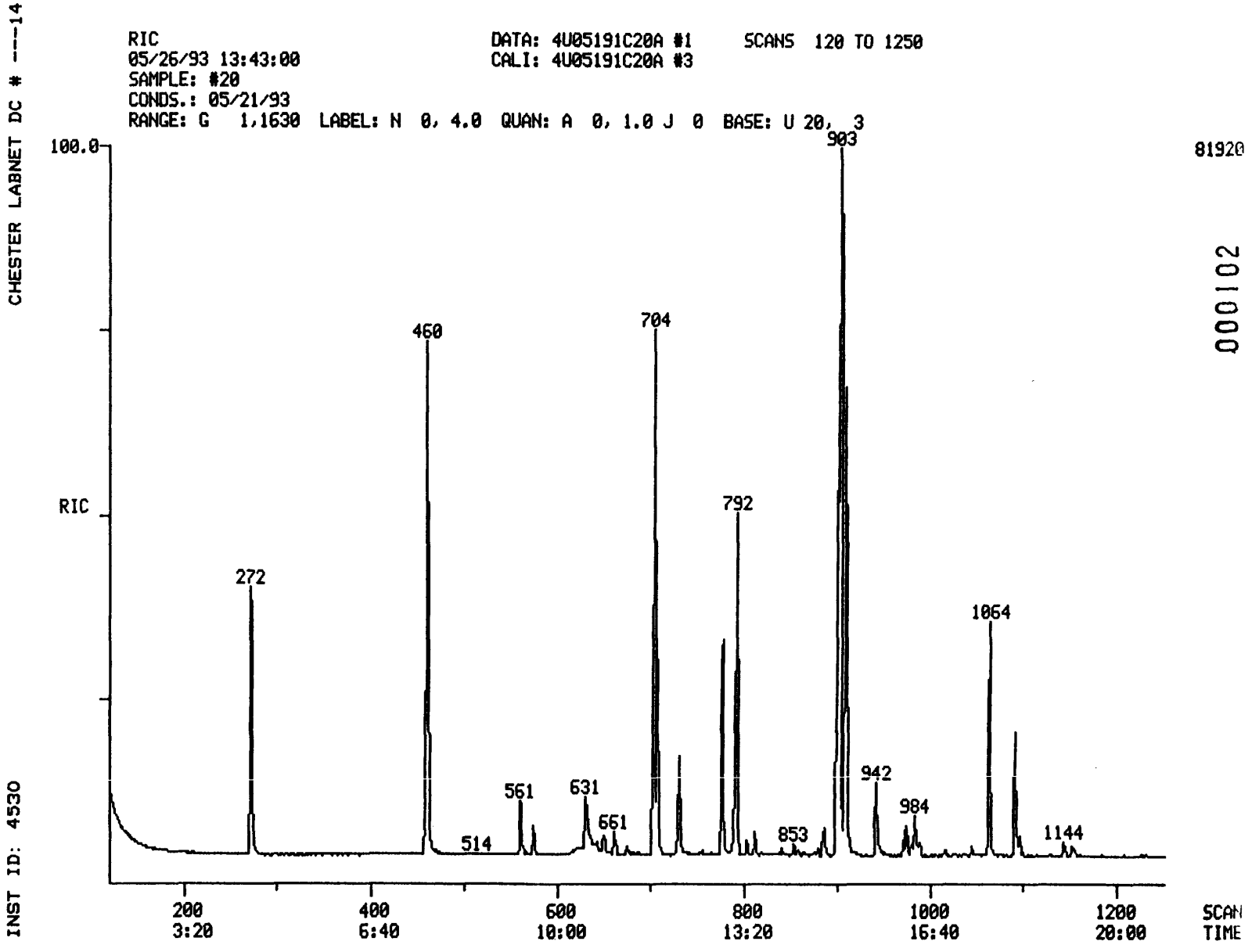
CONCENTRATION: LOW DATAFILE: 4U05191C20A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	100	58 J
C540	ACENAPHTHYLENE	100	1 J
C550	ACENAPHTHENE	100	79 J
C590	FLUORENE	100	110
C640	PHENANTHRENE	100	280
C645	ANTHRACENE	100	290
C655	FLUORANTHENE	100	130
C715	PYRENE	100	87 J
C730	BENZO(A)ANTHRACENE	100	14 J
C740	CHRYSENE	100	27 J
C765	BENZO(B)FLUORANTHENE	100	8 J
C770	BENZO(K)FLUORANTHENE	100 U	
C775	BENZO(A)PYRENE	100	5 J
C780	INDENO(1,2,3-CD)PYRENE	100 U	
C785	DIBENZO(A,H)ANTHRACENE	100 U	
C790	BENZO(GHI)PERYLENE	100 U	

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

000101

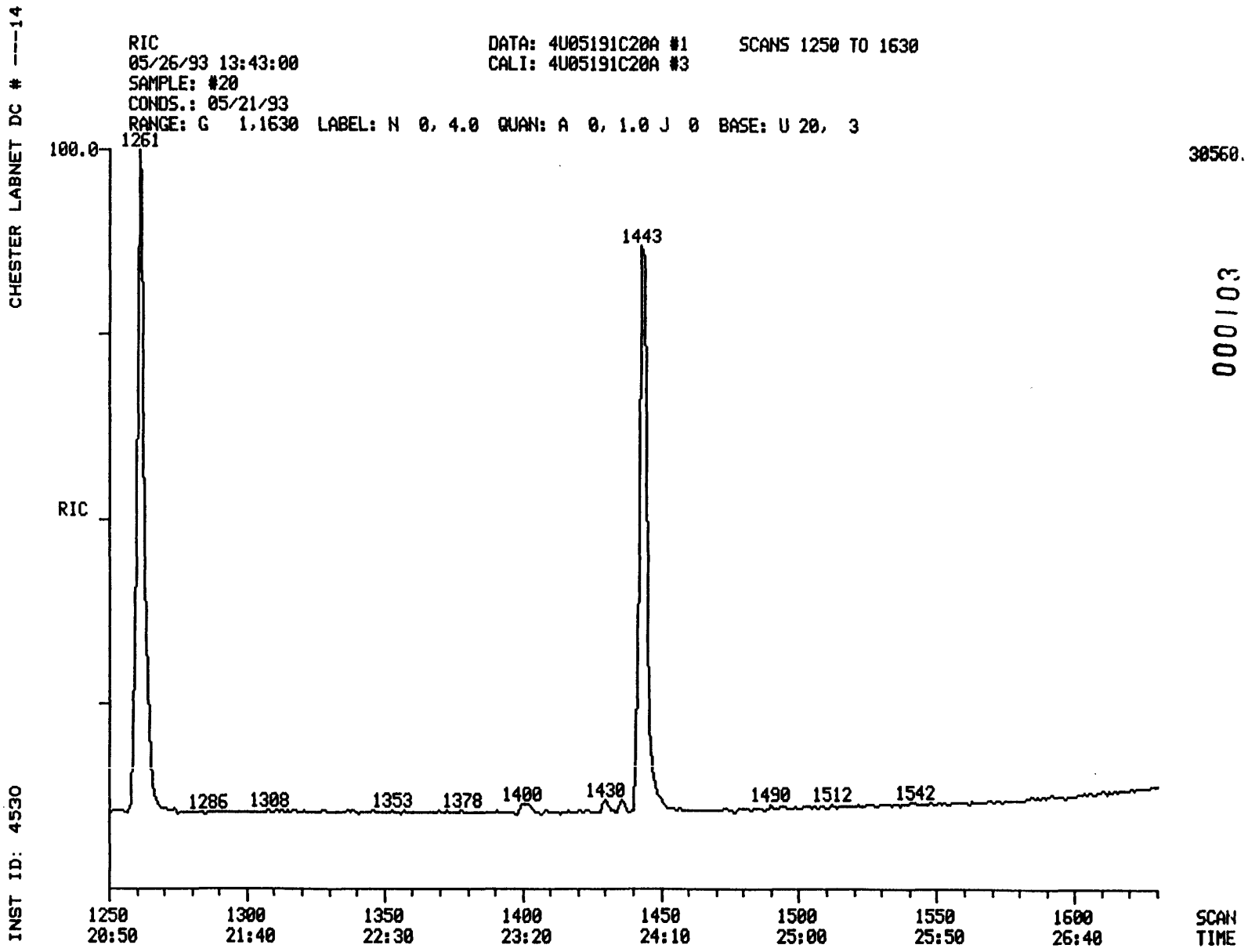
010331



000102

010332

010332



000103

010333

010333

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010334

SAMPLE ID.	#20		
FILENAME	4U05191C20A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 13:43:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	10.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
272	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	200 MG/KG	1.000	15C
460	CI40	NAPHTHALENE-D8 ** IS2 **	136	200 MG/KG	1.000	62C
704	CI50	ACENAPHTHENE-D10 ** IS3 **	164	200 MG/KG	1.000	271
900	CI60	PHENANTHRENE-D10 ** IS4 **	188	200 MG/KG	1.000	396
1261	CI70	CHRYSENE-D12 ** IS5 **	240	200 MG/KG	1.000	266
1443	CI75	PERYLENE-D12 ** IS6 **	264	200 MG/KG	1.000	261
462	C450	NAPHTHALENE	128	58 MG/KG	1.004	149
681	C540	ACENAPHTHYLENE	152	1 MG/KG	0.967	3
707	C550	ACENAPHTHENE	153	79 MG/KG	1.004	132
776	C590	FLUORENE	166	111 MG/KG	1.102	179
903	C640	PHENANTHRENE	178	283 MG/KG	1.003	67E
909	C645	ANTHRACENE	178	292 MG/KG	1.010	476
1064	C655	FLUORANTHENE	202	131 MG/KG	1.182	242
1091	C715	PYRENE	202	87 MG/KG	0.865	155
1259	C730	BENZO(A)ANTHRACENE	228	14 MG/KG	0.998	27
1264	C740	CHRYSENE	228	27 MG/KG	1.002	29
1400	C765	BENZO(B)FLUORANTHENE	252	8 MG/KG	0.970	17
1436	C775	BENZO(A)PYRENE	252	5 MG/KG	0.995	6

*SURROGATES WERE DILUTED OUT

010335

INST ID: 4530 SAMPLE NUMBER: #21

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519121
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C21A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	270	72 J
C740	CHRYSENE	270	130 J
C765	BENZO(B)FLUORANTHENE	270	43 J
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	31 J
C780	INDENO(1,2,3-CD)PYRENE	270	10 J
C785	DIBENZO(A,H)ANTHRACENE	270 U	

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

010336

INST ID: 4530 SAMPLE NUMBER: #21

ORGANICS ANALYSIS DATA SHEET -

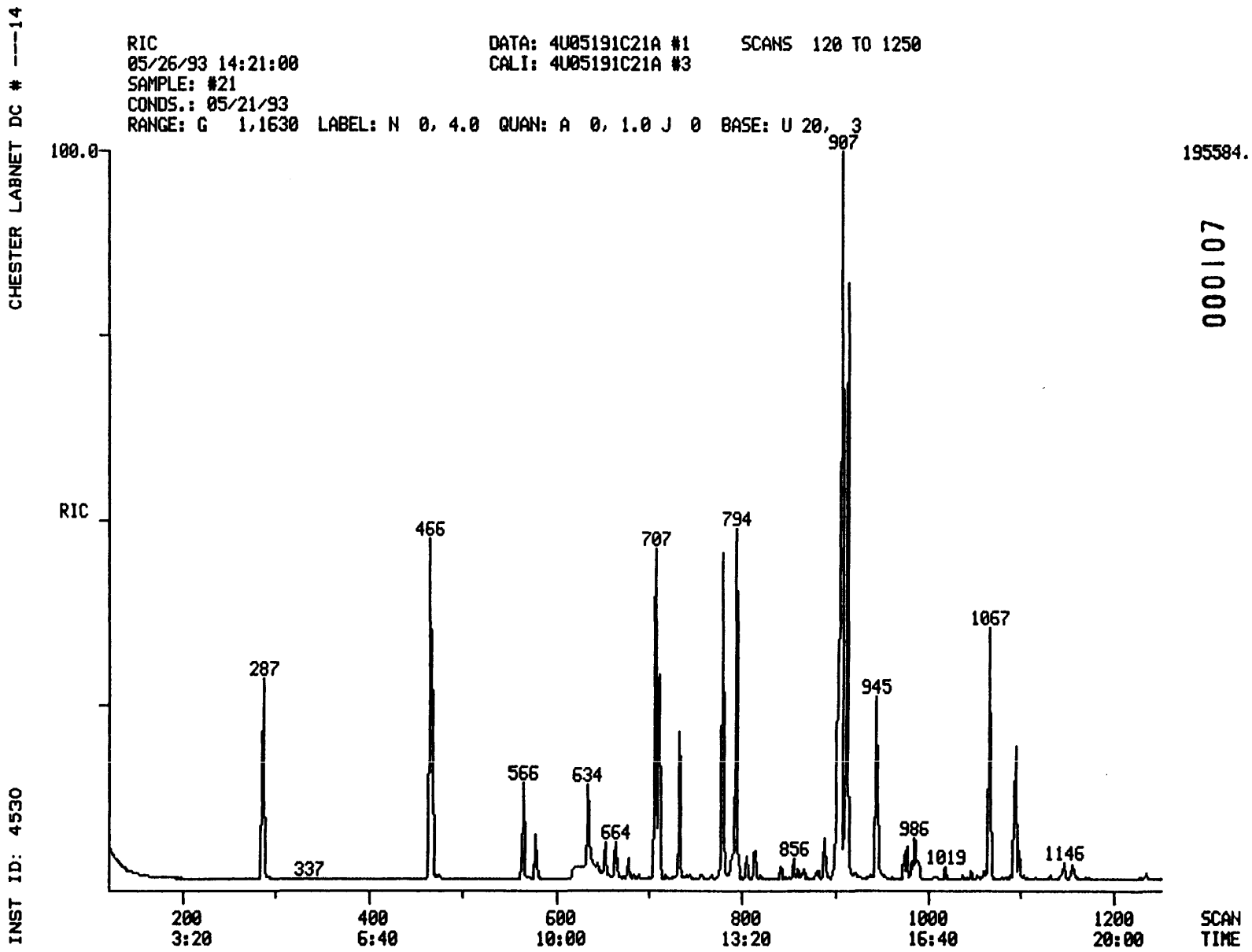
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519121
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C21A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	270	330
C540	ACENAPHTHYLENE	270	8 J
C550	ACENAPHTHENE	270	350
C590	FLUORENE	270	590
C640	PHENANTHRENE	270	1400
C645	ANTHRACENE	270	1500
C655	FLUORANTHENE	270	590
C715	PYRENE	270	410
C730	BENZO(A)ANTHRACENE	270	72 J
C740	CHRYSENE	270	130 J
C765	BENZO(B)FLUORANTHENE	270	43 J
C770	BENZO(K)FLUORANTHENE	270 U	
C775	BENZO(A)PYRENE	270	31 J
C780	INDENO(1,2,3-CD)PYRENE	270	10 J
C785	DIBENZO(A,H)ANTHRACENE	270 U	
C790	BENZO(GHI)PERYLENE	270	11 J

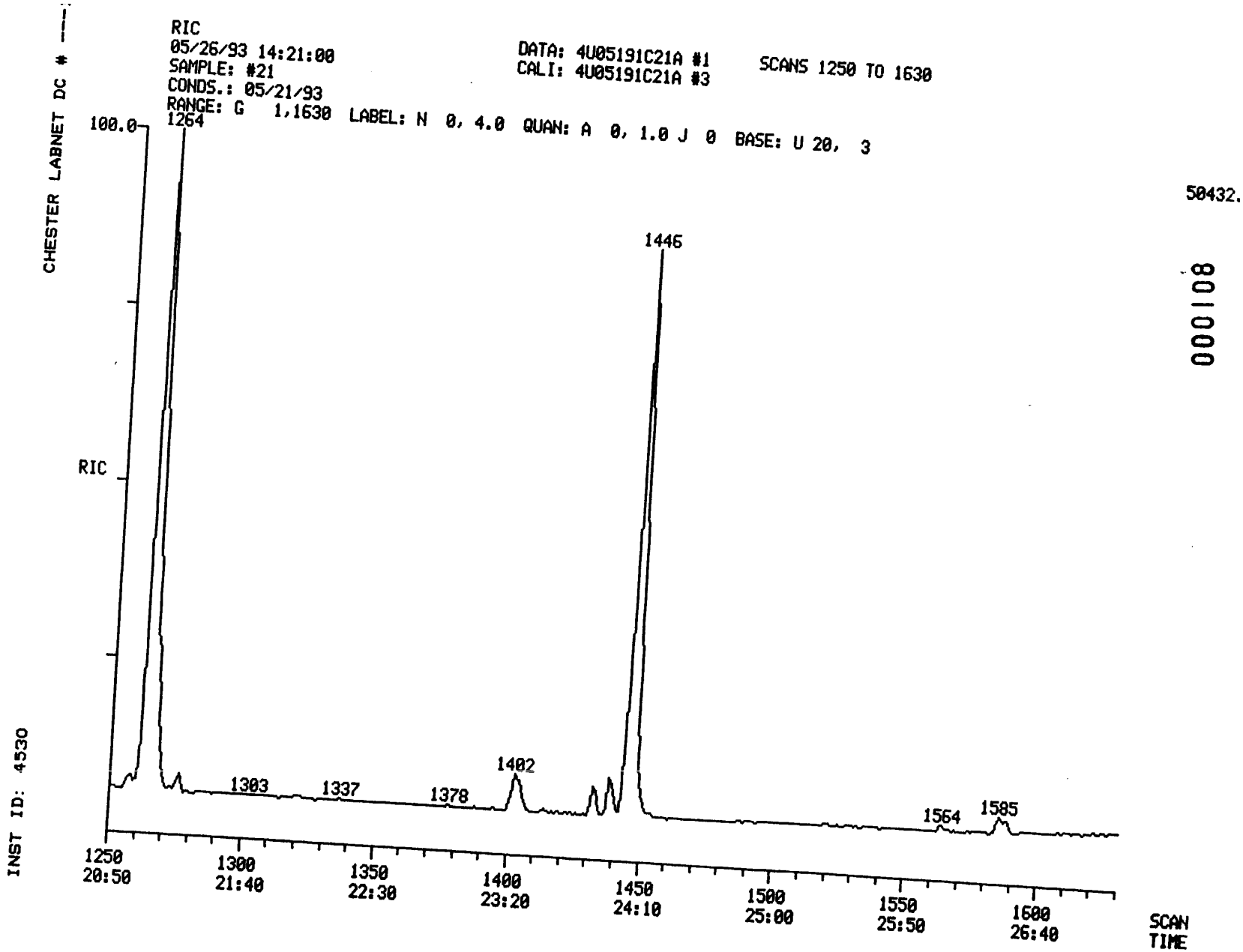
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000107

010337

010337



50432.

000108

010338

010338

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010339

SAMPLE ID.	#21		
FILENAME	4U05191C21A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 14:21:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	27.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
287	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	540	MG/KG	1.000	227
466	CI40	NAPHTHALENE-D8 ** IS2 **	136	540	MG/KG	1.000	928
707	CI50	ACENAPHTHENE-D10 ** IS3 **	164	540	MG/KG	1.000	399
903	CI60	PHENANTHRENE-D10 ** IS4 **	188	540	MG/KG	1.000	575
1264	CI70	CHRYSENE-D12 ** IS5 **	240	540	MG/KG	1.000	381
1446	CI75	PERYLENE-D12 ** IS6 **	264	540	MG/KG	1.000	379
468	C450	NAPHTHALENE	128	325	MG/KG	1.004	461
684	C540	ACENAPHTHYLENE	152	8	MG/KG	0.967	12
710	C550	ACENAPHTHENE	153	354	MG/KG	1.004	323
780	C590	FLUORENE	166	586	MG/KG	1.103	519
907	C640	PHENANTHRENE	178	1411	MG/KG	1.004	1816
913	C645	ANTHRACENE	178	1533	MG/KG	1.011	1344
1067	C655	FLUORANTHENE	202	589	MG/KG	1.182	584
1094	C715	PYRENE	202	406	MG/KG	0.866	384
1262	C730	BENZO(A)ANTHRACENE	228	72	MG/KG	0.998	74
1267	C740	CHRYSENE	228	125	MG/KG	1.002	73
1402	C765	BENZO(B)FLUORANTHENE	252	43	MG/KG	0.970	52
1438	C775	BENZO(A)PYRENE	252	31	MG/KG	0.994	24
1564	C780	INDENO(1,2,3-CD)PYRENE	276	10	MG/KG	1.082	7
1588	C790	BENZO(GHI)PERYLENE	276	11	MG/KG	1.098	7

SURROGATES WERR DILUTED OUT

010340

INST ID: 4530 SAMPLE NUMBER: #22

ORGANICS ANALYSIS DATA SHEET --

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519122
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C22A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	1100	470 J
C740	CHRYSENE	1100	690 J
C765	BENZO(B)FLUORANTHENE	1100	270 J
C770	BENZO(K)FLUORANTHENE	1100 U	
C775	BENZO(A)PYRENE	1100	200 J
C780	INDENO(1,2,3-CD)PYRENE	1100	72 J
C785	DIBENZO(A,H)ANTHRACENE	1100 U	

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

010341

INST ID: 4530 SAMPLE NUMBER: #22

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519122
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C22A
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

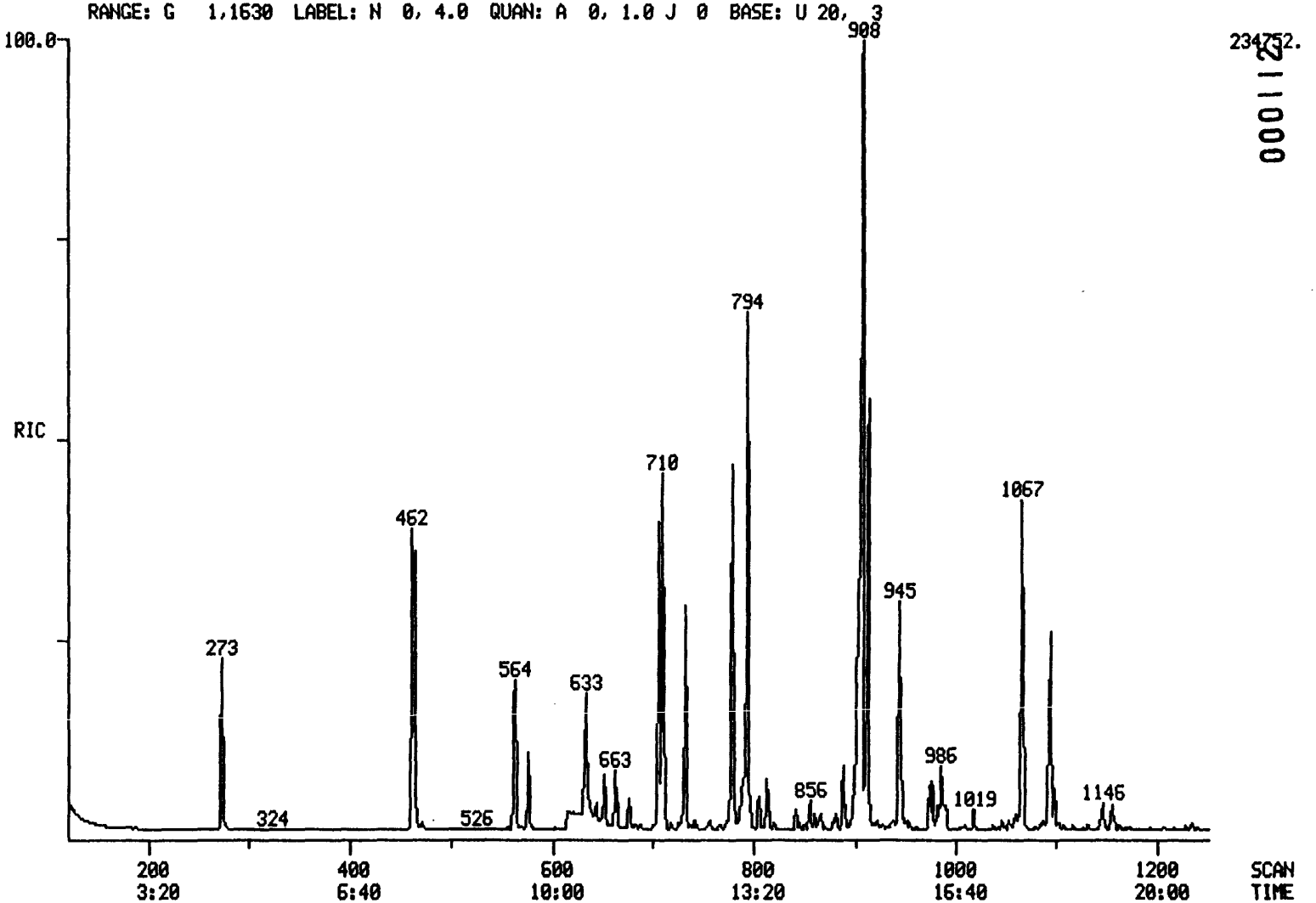
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	1100	2400
C540	ACENAPHTHYLENE	1100	56 J
C550	ACENAPHTHENE	1100	2200
C590	FLUORENE	1100	3300
C640	PHENANTHRENE	1100	8400
C645	ANTHRACENE	1100	4800
C655	FLUORANTHENE	1100	3400
C715	PYRENE	1100	2400
C730	BENZO(A)ANTHRACENE	1100	470 J
C740	CHRYSENE	1100	690 J
C765	BENZO(B)FLUORANTHENE	1100	270 J
C770	BENZO(K)FLUORANTHENE	1100 U	
C775	BENZO(A)PYRENE	1100	200 J
C780	INDENO(1,2,3-CD)PYRENE	1100	72 J
C785	DIBENZO(A,H)ANTHRACENE	1100 U	
C790	BENZO(GHI)PERYLENE	1100	77 J

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

CHESTER LABNET DC # ---14

RIC
05/26/93 14:58:00
SAMPLE: #22
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U05191C22A #1 SCANS 120 TO 1250
CALI: 4U05191C22A #3



234752.

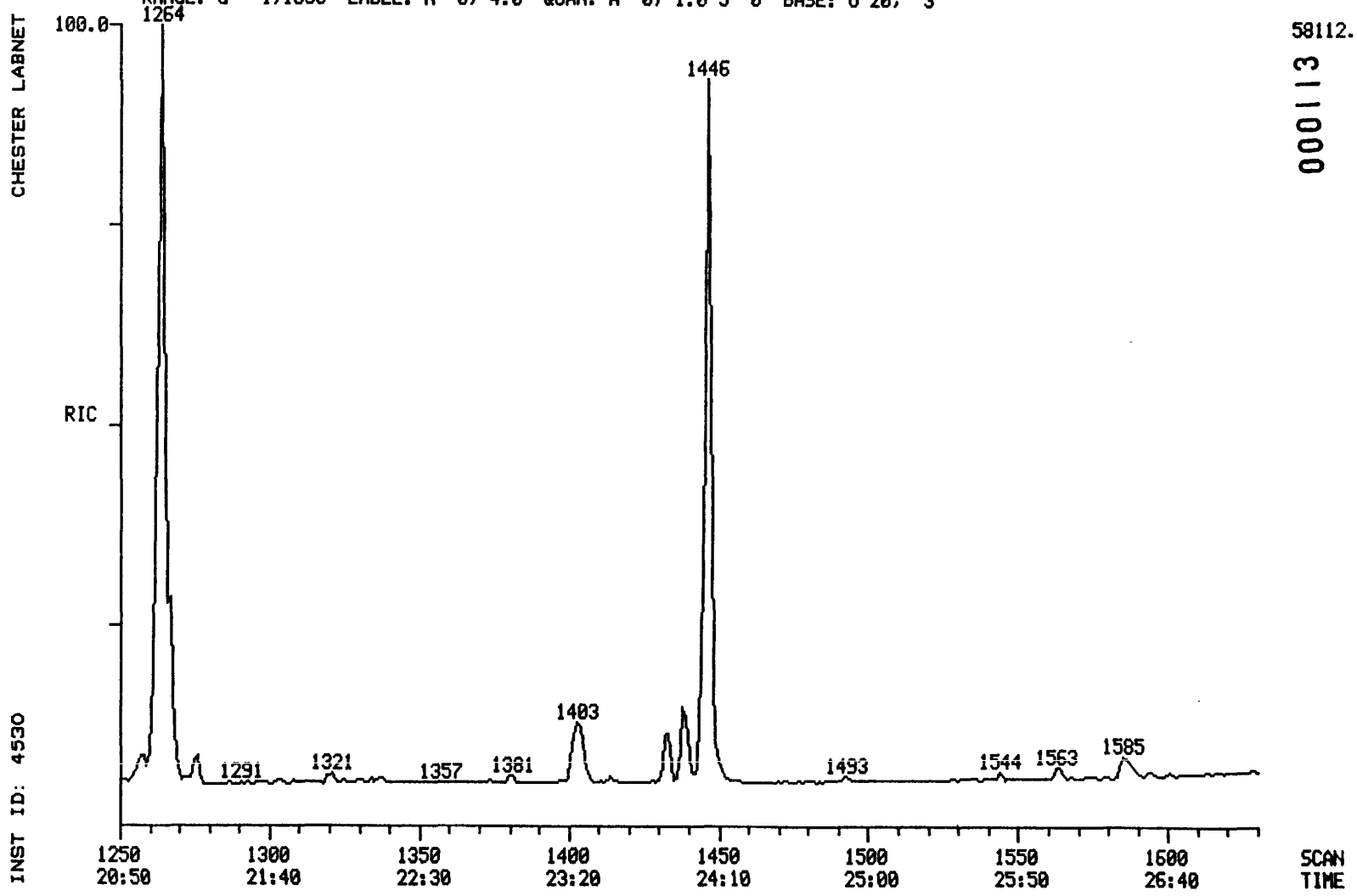
000112

INST ID: 4530

010342

010342

05/26/93 14:58:00 CALI: 4U05191C22A #3
SAMPLE: #22
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3



58112.

000113

010343

010343

010344

CHESTER LABNET DC #

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	#22		
FILENAME	4U05191C22A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/26/93 14:58:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	110.0

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT
273	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	2200 MG/KG	1.000
462	CI40	NAPHTHALENE-D8 ** IS2 **	136	2200 MG/KG	1.000
706	CI50	ACENAPHTHENE-D10 ** IS3 **	164	2200 MG/KG	1.000
903	CI60	PHENANTHRENE-D10 ** IS4 **	188	2200 MG/KG	1.000
1264	CI70	CHRYSENE-D12 ** IS5 **	240	2200 MG/KG	1.000
1446	CI75	PERYLENE-D12 ** IS6 **	264	2200 MG/KG	1.000
465	C450	NAPHTHALENE	128	2359 MG/KG	1.006
683	C540	ACENAPHTHYLENE	152	56 MG/KG	0.967
710	C550	ACENAPHTHENE	153	2166 MG/KG	1.006
779	C590	FLUORENE	166	3279 MG/KG	1.103
907	C640	PHENANTHRENE	178	8424 MG/KG	1.004
913	C645	ANTHRACENE	178	4804 MG/KG	1.011
1067	C655	FLUORANTHENE	202	3431 MG/KG	1.182
1094	C715	PYRENE	202	2370 MG/KG	0.866
1262	C730	BENZO(A)ANTHRACENE	228	466 MG/KG	0.998
1267	C740	CHRYSENE	228	686 MG/KG	1.002
1402	C765	BENZO(B)FLUORANTHENE	252	270 MG/KG	0.970
1438	C775	BENZO(A)PYRENE	252	202 MG/KG	0.994
1563	C780	INDENO(1,2,3-CD)PYRENE	276	72 MG/KG	1.081
1588	C790	BENZO(GHI)PERYLENE	276	77 MG/KG	1.098

SURROGATES WERE DILUTED OUT

010345

INST ID: 4530 SAMPLE NUMBER: #23

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519123
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C23
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	33	10 J
C740	CHRYSENE	33	13 J
C765	BENZO(B)FLUORANTHENE	33	5 J
C770	BENZO(K)FLUORANTHENE	33 U	
C775	BENZO(A)PYRENE	33	4 J
C780	INDENO(1,2,3-CD)PYRENE	33 U	
C785	DIBENZO(A,H)ANTHRACENE	33 U	

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

010346

INST ID: 4530 SAMPLE NUMBER: #23

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519123
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C23
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

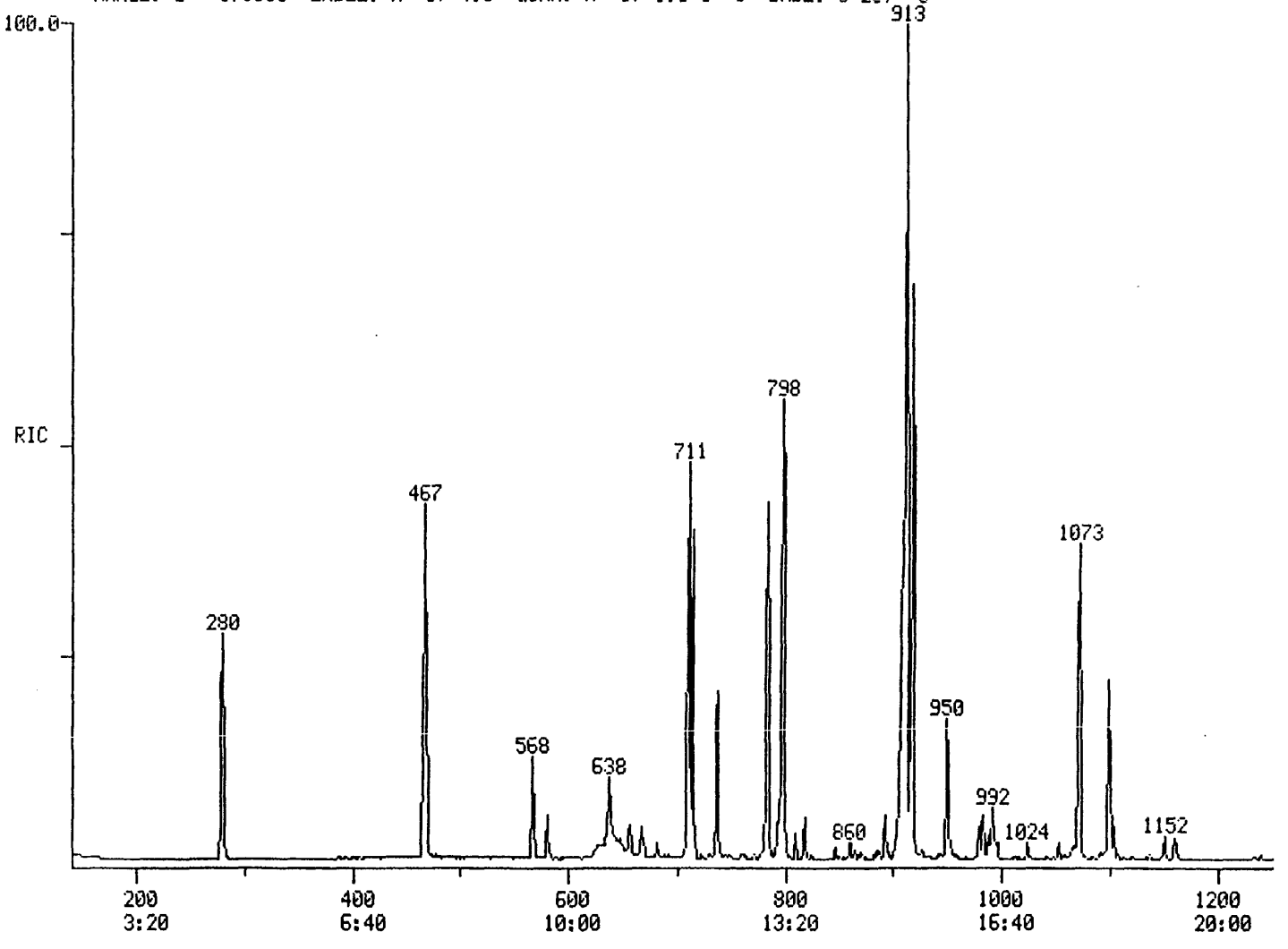
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	33	28 J
C540	ACENAPHTHYLENE	33	1 J
C550	ACENAPHTHENE	33	47
C590	FLUORENE	33	65
C640	PHENANTHRENE	33	190
C645	ANTHRACENE	33	130
C655	FLUORANTHENE	33	72
C715	PYRENE	33	3 J
C730	BENZO(A)ANTHRACENE	33	10 J
C740	CHRYSENE	33	13 J
C765	BENZO(B)FLUORANTHENE	33	5 J
C770	BENZO(K)FLUORANTHENE	33 U	
C775	BENZO(A)PYRENE	33	4 J
C780	INDENO(1,2,3-CD)PYRENE	33 U	
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
05/25/93 21:43:00
SAMPLE: #23
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U05191C23 #1 SCANS 140 TO 1250
CALI: 4U05191C23 #3

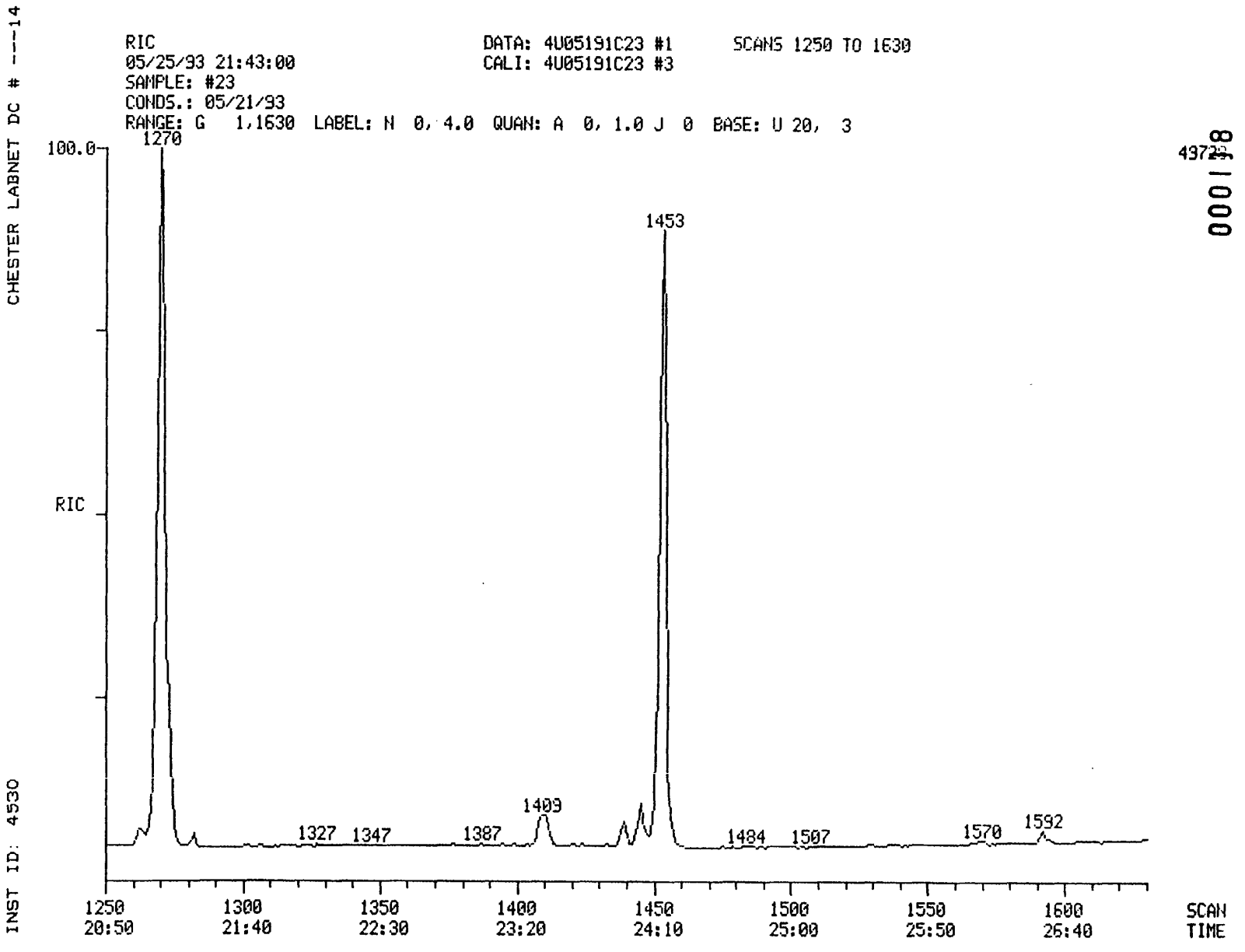


INST ID: 4530

000117

010347

010347


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
05/25/93 21:43:00
SAMPLE: #23
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U05191C23 #1
CALI: 4U05191C23 #3
SCANS 1250 TO 1630
100.0
RIC
1270
1453
1327
1347
1387
1409
1484
1507
1570
1592
1250 20:50
1300 21:40
1350 22:30
1400 23:20
1450 24:10
1500 25:00
1550 25:50
1600 26:40
SCAN TIME

010348

CHESTER LABNET DC 1

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	#23		
FILENAME	4U05191C23	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/25/93 21:43:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	3.:

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT
280	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	66 MG/KG	1.000
467	CI40	NAPHTHALENE-D8 ** IS2 **	136	66 MG/KG	1.000
711	CI50	ACENAPHTHENE-D10 ** IS3 **	164	66 MG/KG	1.000
909	CI60	PHENANTHRENE-D10 ** IS4 **	188	66 MG/KG	1.000
1270	CI70	CHRYSENE-D12 ** IS5 **	240	66 MG/KG	1.000
1453	CI75	PERYLENE-D12 ** IS6 **	264	66 MG/KG	1.000
469	C450	NAPHTHALENE	128	28 MG/KG	1.004
688	C540	ACENAPHTHYLENE	152	1 MG/KG	0.968
715	C550	ACENAPHTHENE	153	47 MG/KG	1.006
784	C590	FLUORENE	166	65 MG/KG	1.103
913	C640	PHENANTHRENE	178	189 MG/KG	1.004
918	C645	ANTHRACENE	178	134 MG/KG	1.010
1073	C655	FLUORANTHENE	202	72 MG/KG	1.180
1093	C715	PYRENE	202	3 MG/KG	0.861
1268	C730	BENZO(A)ANTHRACENE	228	10 MG/KG	0.998
1273	C740	CHRYSENE	228	13 MG/KG	1.002
1409	C765	BENZO(B)FLUORANTHENE	252	5 MG/KG	0.970
1445	C775	BENZO(A)PYRENE	252	4 MG/KG	0.994

SURROGATES WERE DILUTED OUT

010350

INST ID: 4530 SAMPLE NUMBER: #24

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519124
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C24
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	67	23 J
C740	CHRYSENE	67	29 J
C765	BENZO(B)FLUORANTHENE	67	12 J
C770	BENZO(K)FLUORANTHENE	67 U	
C775	BENZO(A)PYRENE	67	9 J
C780	INDENO(1,2,3-CD)PYRENE	67	2 J
C785	DIBENZO(A,H)ANTHRACENE	67 U	

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

010351

INST ID: 4530 SAMPLE NUMBER: #24

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519124
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C24
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

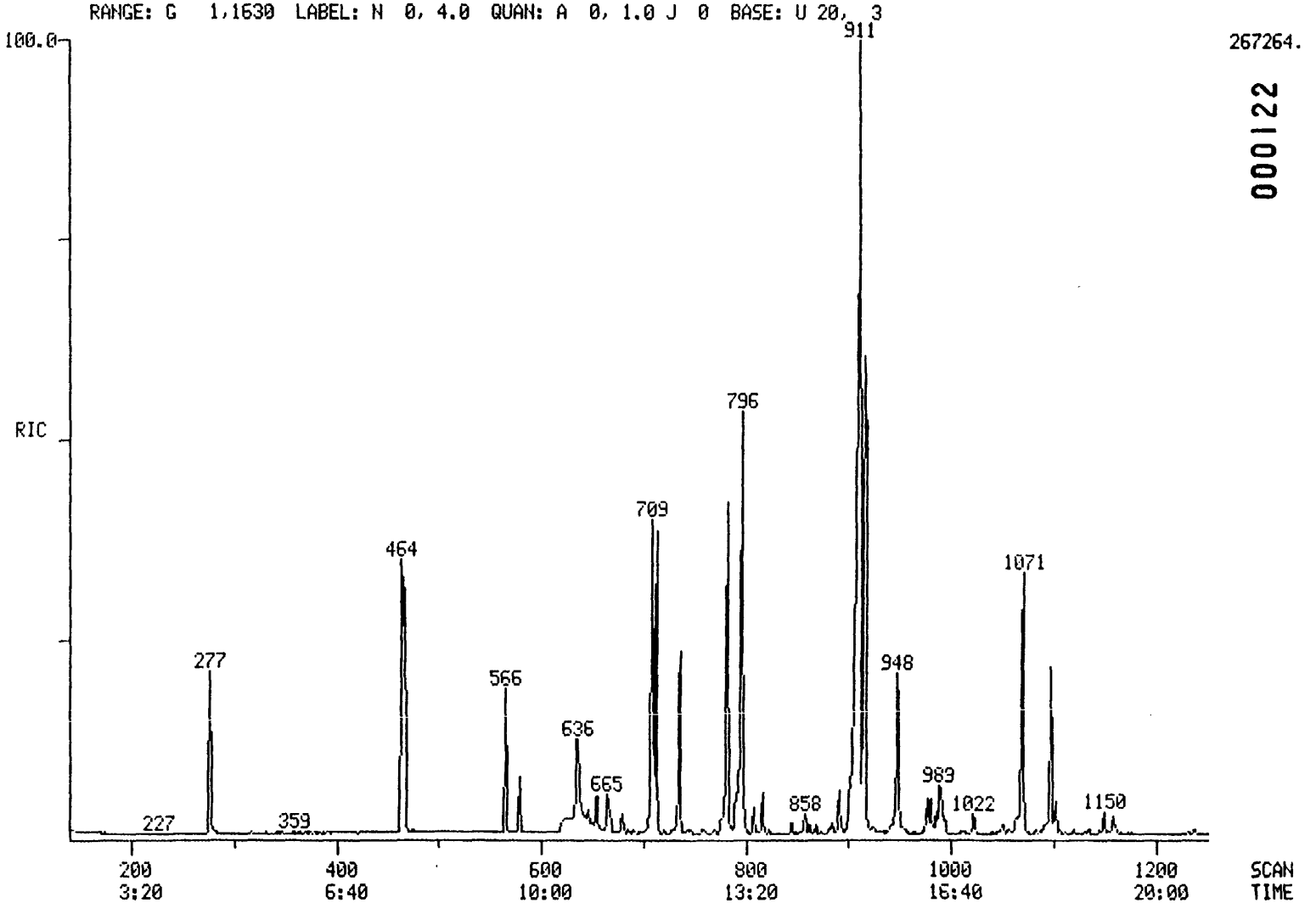
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	67	110
C540	ACENAPHTHYLENE	67	3 J
C550	ACENAPHTHENE	67	120
C590	FLUORENE	67	180
C640	PHENANTHRENE	67	460
C645	ANTHRACENE	67	300
C655	FLUORANTHENE	67	170
C715	PYRENE	67	120
C730	BENZO(A)ANTHRACENE	67	23 J
C740	CHRYSENE	67	29 J
C765	BENZO(B)FLUORANTHENE	67	12 J
C770	BENZO(K)FLUORANTHENE	67 U	
C775	BENZO(A)PYRENE	67	9 J
C780	INDENO(1,2,3-CD)PYRENE	67	2 J
C785	DIBENZO(A,H)ANTHRACENE	67 U	
C790	BENZO(GHI)PERYLENE	67	3 J

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

CHESTER LABNET DC # ---14

RIC
05/25/93 22:19:00
SAMPLE: #24
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U05191C24 #1 SCANS 140 TO 1250
CALI: 4U05191C24 #3

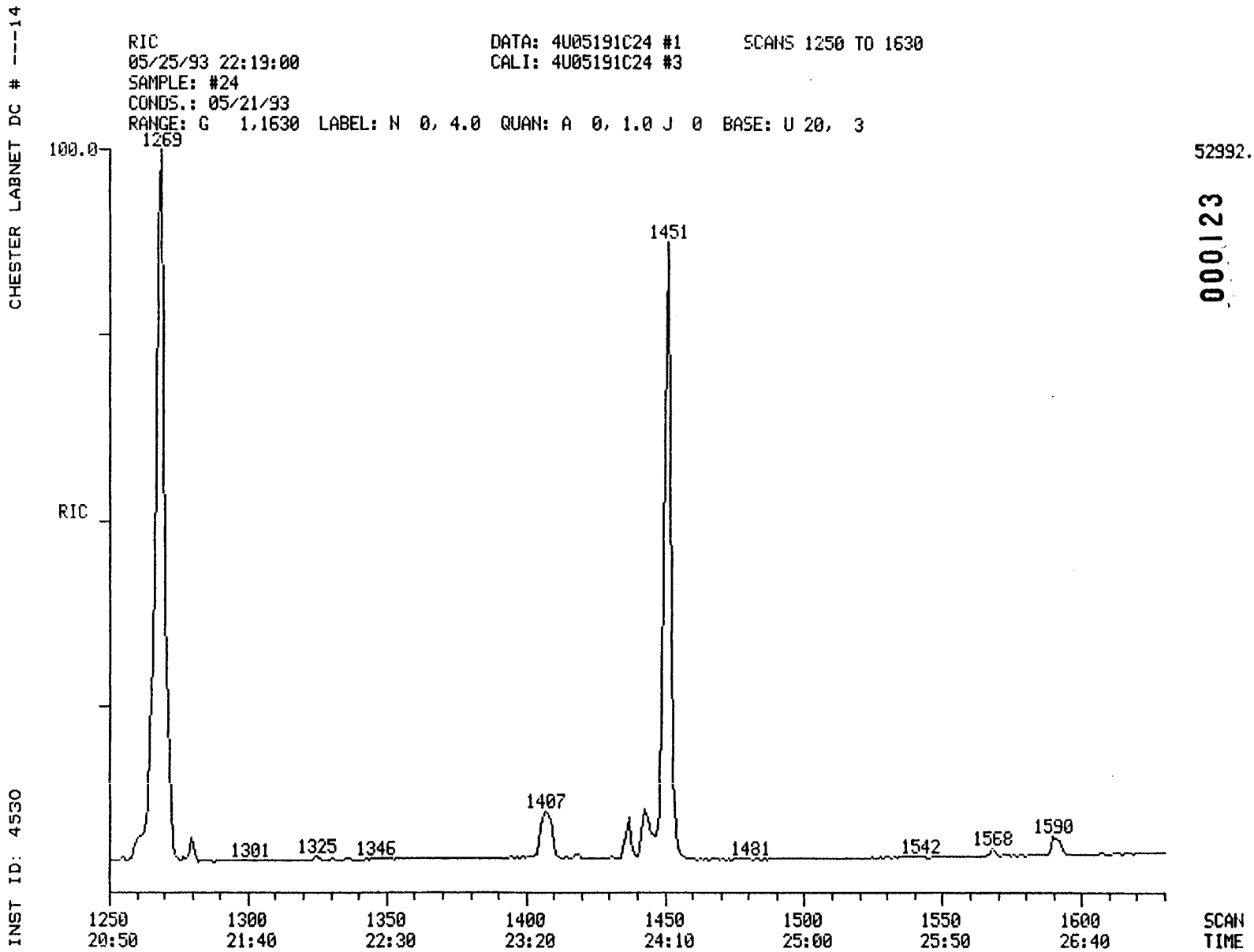


INST ID: 4530

000122

010352

010352



000123

010353

010353

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010354

SAMPLE ID.	#24		
FILENAME	4U05191C24	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/25/93 22:19:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	6.70

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
277	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	134	MG/KG	1.000	243
464	CI40	NAPHTHALENE-D8 ** IS2 **	136	134	MG/KG	1.000	1158
709	CI50	ACENAPHTHENE-D10 ** IS3 **	164	134	MG/KG	1.000	506
907	CI60	PHENANTHRENE-D10 ** IS4 **	188	134	MG/KG	1.000	746
1269	CI70	CHRYSENE-D12 ** IS5 **	240	134	MG/KG	1.000	518
1451	CI75	PERYLENE-D12 ** IS6 **	264	134	MG/KG	1.000	486
467	C450	NAPHTHALENE	128	110	MG/KG	1.006	774
686	C540	ACENAPHTHYLENE	152	3	MG/KG	0.968	19
713	C550	ACENAPHTHENE	153	121	MG/KG	1.006	578
782	C590	FLUORENE	166	176	MG/KG	1.103	806
911	C640	PHENANTHRENE	178	461	MG/KG	1.004	3228
916	C645	ANTHRACENE	178	298	MG/KG	1.010	1471
1071	C655	FLUORANTHENE	202	173	MG/KG	1.181	978
1098	C715	PYRENE	202	122	MG/KG	0.865	623
1266	C730	BENZO(A)ANTHRACENE	228	23	MG/KG	0.998	127
1271	C740	CHRYSENE	228	29	MG/KG	1.002	99
1407	C765	BENZO(B)FLUORANTHENE	252	12	MG/KG	0.970	77
1443	C775	BENZO(A)PYRENE	252	9	MG/KG	0.994	34
1568	C780	INDENO(1,2,3-CD)PYRENE	276	2	MG/KG	1.081	8
1593	C790	BENZO(GHI)PERYLENE	276	3	MG/KG	1.098	9

SURROGATES WERE DILUTED OUT

010355

INST ID: 4530 SAMPLE NUMBER: #25

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519125
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C25
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	830	290 J
C740	CHRYSENE	830	420 J
C765	BENZO(B)FLUORANTHENE	830	160 J
C770	BENZO(K)FLUORANTHENE	830 U	
C775	BENZO(A)PYRENE	830	110 J
C780	INDENO(1,2,3-CD)PYRENE	830	27 J
C785	DIBENZO(A,H)ANTHRACENE	830 U	

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

010356

INST ID: 4530 SAMPLE NUMBER: #25

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519125
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U05191C25
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

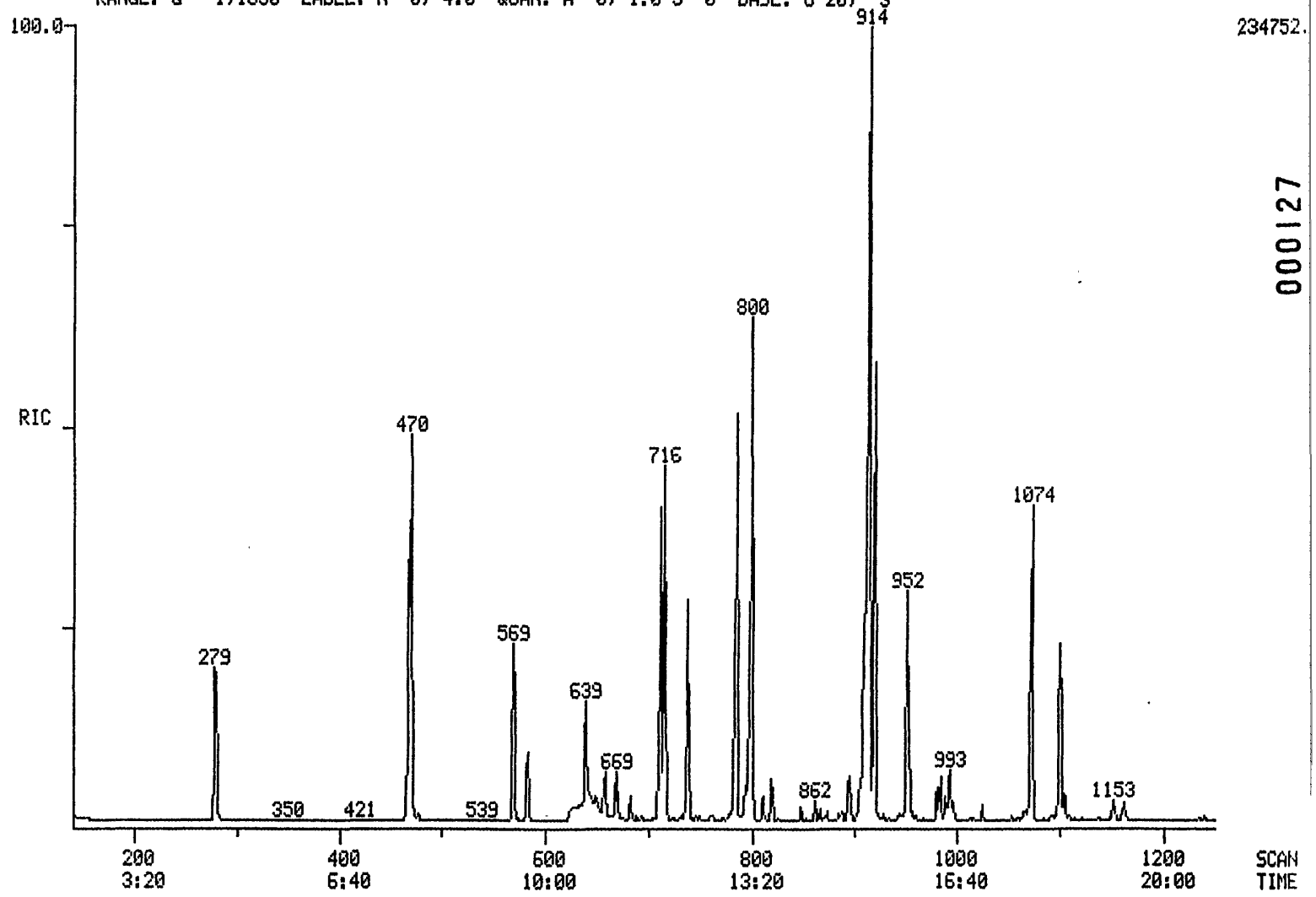
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	830	2400
C540	ACENAPHTHYLENE	830	33 J
C550	ACENAPHTHENE	830	1700
C590	FLUORENE	830	2500
C640	PHENANTHRENE	830	5700
C645	ANTHRACENE	830	4000
C655	FLUORANTHENE	830	2300
C715	PYRENE	830	1700
C730	BENZO(A)ANTHRACENE	830	290 J
C740	CHRYSENE	830	420 J
C765	BENZO(B)FLUORANTHENE	830	160 J
C770	BENZO(K)FLUORANTHENE	830 U	
C775	BENZO(A)PYRENE	830	110 J
C780	INDENO(1,2,3-CD)PYRENE	830	27 J
C785	DIBENZO(A,H)ANTHRACENE	830 U	
C790	BENZO(GHI)PERYLENE	830	29 J

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

CHESTER LABNET DC # ---14

RIC
05/25/93 22:55:00
SAMPLE: #25
CONDS.: 05/21/93
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U05191C25 #1 SCANS 140 TO 1250
CALI: 4U05191C25 #3

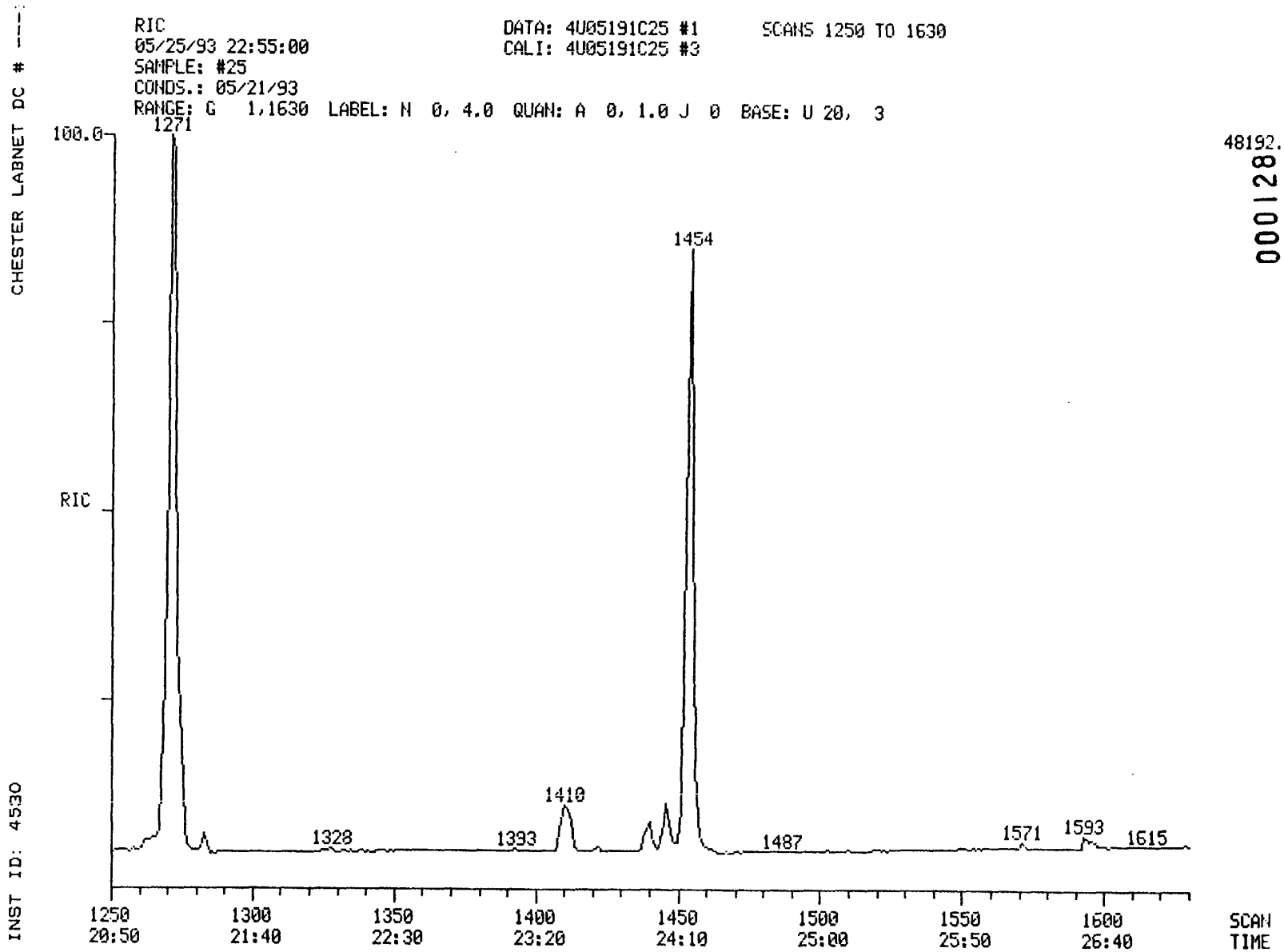


INST ID: 4530

000127

010356.001

010356.001



000128

010357

010357

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010358

SAMPLE ID.	#25		
FILENAME	4U05191C25	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	05/25/93 22:55:00	VERIFIED BY	
CALIB STD DATE	05/12/93	CORR. FACTOR	83.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	A
279	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1660 MG/KG	1.000	2
468	CI40	NAPHTHALENE-D8 ** IS2 **	136	1660 MG/KG	1.000	10
712	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1660 MG/KG	1.000	4
910	CI60	PHENANTHRENE-D10 ** IS4 **	188	1660 MG/KG	1.000	6
1271	CI70	CHRYSENE-D12 ** IS5 **	240	1660 MG/KG	1.000	4
1454	CI75	PERYLENE-D12 ** IS6 **	264	1660 MG/KG	1.000	3
470	C450	NAPHTHALENE	128	2430 MG/KG	1.004	12
689	C540	ACENAPHTHYLENE	152	33 MG/KG	0.968	
716	C550	ACENAPHTHENE	153	1659 MG/KG	1.006	5
786	C590	FLUORENE	166	2493 MG/KG	1.104	7
914	C640	PHENANTHRENE	178	5675 MG/KG	1.004	26
919	C645	ANTHRACENE	178	3977 MG/KG	1.010	12
1074	C655	FLUORANTHENE	202	2322 MG/KG	1.180	8
1101	C715	PYRENE	202	1671 MG/KG	0.866	5
1269	C730	BENZO(A)ANTHRACENE	228	288 MG/KG	0.998	1
1274	C740	CHRYSENE	228	424 MG/KG	1.002	
1410	C765	BENZO(B)FLUORANTHENE	252	159 MG/KG	0.970	
1446	C775	BENZO(A)PYRENE	252	113 MG/KG	0.994	
1571	C780	INDENO(1,2,3-CD)PYRENE	276	27 MG/KG	1.080	
1596	C790	BENZO(GHI)PERYLENE	276	29 MG/KG	1.098	

SURROGATES WERE DILUTED OUT

010359

CALIBRATIONS

CHESTER LABNET-HOUSTON

000130

010359

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --
CONTRACT LAB: CHESTER LABNET
CONTRACT NO. --
INSTRUMENT IDENTIFIER: 4530
CALIBRATION DATE: 05/12/93
STANDARD FILE: ES0525C02A
DATE: 05/25/93 TIME: 12:56
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.937	1.954	0.861
C325	BIS(2-CHLOROETHYL)ETHE	1.963	1.614	-17.766
C330	2-CHLOROPHENOL	1.394	1.449	3.931
C335	1,3-DICHLOROBENZENE	1.457	1.505	3.305
C340	1,4-DICHLOROBENZENE	1.543	1.566	1.493
C345	BENZYL ALCOHOL	0.286	0.226	-21.062
C350	1,2-DICHLOROBENZENE	1.476	1.517	2.765
C355	2-METHYLPHENOL	1.306	1.262	-3.401
C357	2,2'-OXYBIS(1-CHLOROPR	3.028	2.566	-15.262
C365	4-METHYLPHENOL	1.144	1.325	15.806
C370	N-NITROSODIPROPYLAMINE	1.290	1.248	-3.196
C375	HEXACHLOROETHANE	0.590	0.613	3.867
C410	NITROBENZENE	0.503	0.435	-13.523
C415	ISOPHORONE	0.935	0.871	-6.844
C420	2-NITROPHENOL	0.189	0.176	-6.994
C425	2,4-DIMETHYLPHENOL	0.295	0.257	-12.707
C430	BENZOIC ACID	0.150	0.167	11.103
C435	BIS(2-CHLOROETHOXY)MET	0.593	0.561	-5.325
C440	2,4-DICHLOROPHENOL	0.247	0.234	-5.439
C445	1,2,4-TRICHLOROBENZENE	0.264	0.245	-6.948
C450	NAPHTHALENE	1.070	0.997	-6.794
C455	4-CHLOROANILINE	0.340	0.332	-2.431
C460	HEXACHLOROBUTADIENE	0.126	0.114	-9.764
C465	P-CHLORO-M-CRESOL	0.308	0.311	0.834
C470	2-METHYLNAPHTHALENE	0.719	0.692	-3.797
C510	HEXACHLOROCYCLOPENTADI	0.324	0.237	-26.746
C515	2,4,6-TRICHLOROPHENOL	0.308	0.329	6.702
C520	2,4,5-TRICHLOROPHENOL	0.363	0.405	11.486
C525	2-CHLORONAPHTHALENE	1.342	1.332	-0.731
C530	2-NITROANILINE	0.610	0.559	-8.377
C535	DIMETHYL PHTHALATE	1.514	1.495	-1.259
C540	ACENAPHTHYLENE	2.135	2.005	-6.073
C545	3-NITROANILINE	0.302	0.260	-13.822
C550	ACENAPHTHENE	1.325	1.262	-4.778
C555	2,4-DINITROPHENOL	0.157	0.152	-3.348
C560	4-NITROPHENOL	0.128	0.109	-14.724
C565	DIBENZOFURAN	1.727	1.723	-0.269
C570	2,4-DINITROTOLUENE	0.441	0.401	-9.105
C543	2,6-DINITROTOLUENE	0.317	0.347	9.457
C580	DIETHYL PHTHALATE	1.733	1.620	-6.527
C585	4-CHLOROPHENYL PHENYL	0.636	0.588	-7.501
C590	FLUORENE	1.303	1.213	-6.913
C595	4-NITROANILINE	0.289	0.217	-24.892
C610	4,6-DINITRO-2-METHYLPH	0.141	0.126	-10.596
C615	N-NITROSODIPHENYLAMINE	0.672	0.529	-21.343
C625	4-BROMOPHENYL PHENYL E	0.216	0.184	-14.956
C630	HEXACHLOROBENZENE	0.227	0.195	-13.915
C635	PENTACHLOROPHENOL	0.114	0.109	-3.972
C640	PHENANTHRENE	1.482	1.258	-15.123
C645	ANTHRACENE	1.138	0.888	-21.979
C650	DI-N-BUTYL PHTHALATE	1.968	1.747	-11.212
C655	FLUORANTHENE	1.228	1.014	-17.463

010361

C715	PYRENE	1.501	1.319	-12.087
C720	BUTYL BENZYL PHTHALATE	0.996	0.919	-7.717
C725	3,3'-DICHLOROBENZIDINE	0.322	0.138	-57.103
C730	BENZO(A)ANTHRACENE	1.560	1.448	-7.131
C745	BIS(2-ETHYLHEXYL)PHTHA	1.547	1.494	-3.425
C740	CHRYSENE	0.972	0.895	-7.964
C760	DI-N-OCTYL PHTHALATE	2.974	2.940	-1.112
C765	BENZO(B)FLUORANTHENE	1.626	1.712	-6.240
C770	BENZO(K)FLUORANTHENE	1.089	0.957	-12.112
C775	BENZO(A)PYRENE	1.242	1.099	-11.505
C780	INDENO(1,2,3-CD)PYRENE	1.127	0.989	-12.190
C785	DIBENZO(A,H)ANTHRACENE	0.901	0.905	0.495
C790	BENZO(GHI)PERYLENE	0.922	1.002	8.664
C310	N-NITROSODIMETHYLAMINE	1.440	1.195	-17.049
C620	1,2-DIPHENYL-HYDRAZINE	1.609	1.493	-7.210
C320	ANILINE	1.807	1.863	3.074
CS50	2-FLUOROPHENOL ** SU1	1.306	1.555	19.048
CS45	PHENOL-D5 ** SU2 **	1.952	2.108	8.002
CS55	2,4,6-TRIBROMOPHENOL	0.133	0.129	-3.206
CS20	NITROBENZENE-D5 ** SU3	0.485	0.446	-7.993
CS25	2-FLUOROBIPHENYL **SU4	1.336	1.449	8.471
CS30	TERPHENYL-D14 ** SU6	1.243	1.197	-3.667
CS70	2-CHLOROPHENOL-D4 ** S	1.818	1.968	8.233
CS75	1,2-DICHLOROBENZENE-D4	0.937	0.926	-1.079
C647	CARBAZOLE	1.036	0.522	-49.600
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.552	1.795	15.650

010361

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0525C02A

CLIENT CHESTER ANALYST SC

DATE INJECTED 05/25/93 12:56:00 VERFIED BY

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	283	40	19879	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	468	40	78927	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	711	40	33050	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	908	40	52352	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1271	40	40612	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1453	40	36061	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	132	50	38646	0.466	1.555
CS45	PHENOL-D5 ** SU2 **		99	277	50	52384	0.979	2.108
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	822	50	5326	1.156	0.129
CS20	NITROBENZENE-D5 ** SU3 **		82	373	50	44011	0.797	0.446
CS25	2-FLUOROBIPHENYL **SU4 **		172	629	50	59850	0.885	1.449
CS30	TERPHENYL-D14 ** SU6 **		244	1138	50	60769	0.895	1.197
C315	PHENOL	10A	94	279	50	48559	0.986	1.954
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	261	50	40116	0.922	1.614
C330	2-CHLOROPHENOL	1A	128	265	50	36011	0.936	1.449
C335	1,3-DICHLOROBENZENE	21B	146	275	50	37406	0.972	1.505
C340	1,4-DICHLOROBENZENE	22B	146	285	50	38918	1.007	1.566
C345	BENZYL ALCOHOL		108	329	50	5613	1.163	0.226
C350	1,2-DICHLOROBENZENE	20B	146	312	50	37689	1.102	1.517
C355	2-METHYLPHENOL		108	364	50	31353	1.286	1.262
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	344	50	63759	1.216	2.566
C365	4-METHYLPHENOL		108	386	50	32923	1.364	1.325
C370	N-NITROSODIPROPYLAMINE	42B	70	370	50	31021	1.307	1.248
C375	HEXACHLOROETHANE	36B	117	355	50	15237	1.254	0.613
C410	NITROBENZENE	40B	77	376	50	42939	0.803	0.435
C415	ISOPHORONE	38B	82	414	50	85945	0.885	0.871
C420	2-NITROPHENOL	6A	139	422	50	17324	0.902	0.176
C425	2,4-DIMETHYLPHENOL	3A	107	455	50	25359	0.972	0.257
C430	BENZOIC ACID		122	504	50	16437	1.077	0.167
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	457	50	55350	0.976	0.561
C440	2,4-DICHLOROPHENOL	2A	162	466	50	23084	0.996	0.234
C445	1,2,4-TRICHLOROBENZENE	46B	180	466	50	24197	0.996	0.245
C450	NAPHTHALENE	39B	128	471	50	98361	1.006	0.997
C455	4-CHLOROANILINE		127	494	50	32760	1.056	0.332
C460	HEXACHLOROBUTADIENE	34B	225	503	50	11229	1.075	0.114
C465	P-CHLORO-M-CRESOL	8A	107	585	50	30664	1.250	0.311
C470	2-METHYLNAPHTHALENE		142	569	50	68286	1.216	0.692
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	603	50	9790	0.848	0.237
C515	2,4,6-TRICHLOROPHENOL	11A	196	623	50	13576	0.876	0.329
C520	2,4,5-TRICHLOROPHENOL		196	632	50	16742	0.889	0.405
C525	2-CHLORONAPHTHALENE	16B	162	634	50	55048	0.892	1.332
C530	2-NITROANILINE		65	664	50	23097	0.934	0.559
C535	DIMETHYL PHTHALATE	25B	163	700	50	61778	0.985	1.495
C540	ACENAPHTHYLENE	2B	152	689	50	82827	0.969	2.005
C545	3-NITROANILINE		138	724	50	10751	1.018	0.260
C550	ACENAPHTHENE	1B	153	715	50	52118	1.006	1.262

010363

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

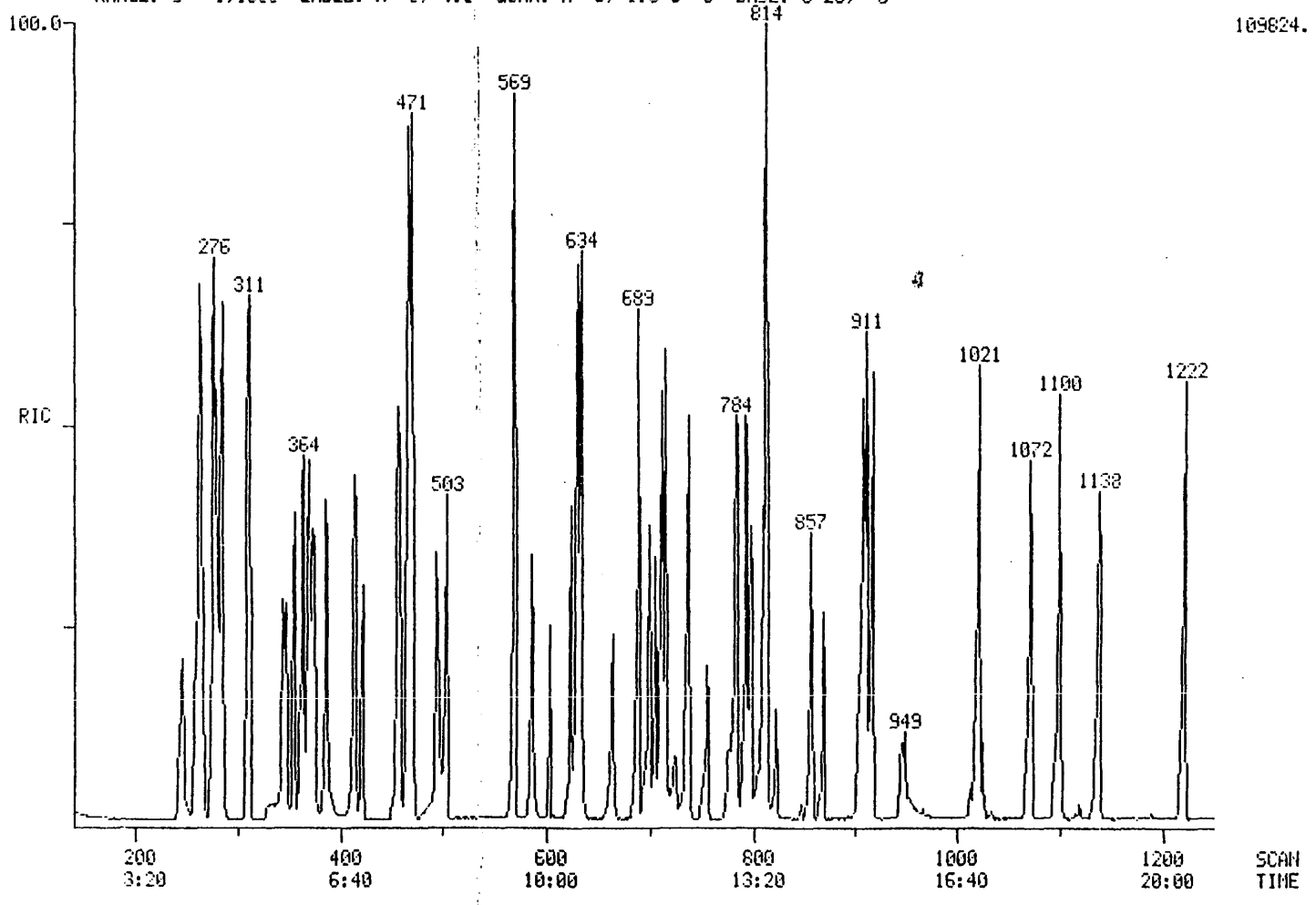
DATAFILE ES0525C02A

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	735	50	6274	1.034	0.152
C560	4-NITROPHENOL	7A	109	776	50	4502	1.091	0.109
C565	DIBENZOFURAN		168	738	50	71166	1.038	1.723
C570	2,4-DINITROTOLUENE	27B	165	756	50	16551	1.063	0.401
C543	2,6-DINITROTOLUENE	28B	165	705	50	14343	0.992	0.347
C580	DIETHYL PHTHALATE	24B	149	798	50	66934	1.122	1.620
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	793	50	24304	1.115	0.588
C590	FLUORENE	32B	166	784	50	50114	1.103	1.213
C595	4-NITROANILINE		138	807	50	8956	1.135	0.217
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	811	50	8249	0.893	0.126
C615	N-NITROSODIPHENYLAMINE	43B	169	814	50	34604	0.896	0.529
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	857	50	12023	0.944	0.184
C630	HEXACHLOROBENZENE	33B	284	869	50	12785	0.957	0.195
C635	PENTACHLOROPHENOL	9A	266	903	50	7133	0.994	0.109
C640	PHENANTHRENE	44B	178	911	50	82330	1.003	1.258
C645	ANTHRACENE	3B	178	917	50	58095	1.010	0.888
C650	DI-N-BUTYL PHTHALATE	26B	149	1021	50	114336	1.124	1.747
C655	FLUORANTHENE	31B	202	1072	50	66339	1.181	1.014
C715	PYRENE	45B	202	1100	50	66965	0.865	1.319
C720	BUTYL BENZYL PHTHALATE	15B	149	1222	50	46667	0.961	0.919
C725	3,3'-DICHLOROBENZIDINE	23B	252	1281	50	6988	1.008	0.138
C730	BENZO(A)ANTHRACENE	5B	228	1269	50	73524	0.998	1.448
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1314	50	75836	1.034	1.494
C740	CHRYSENE	18B	228	1274	50	45432	1.002	0.895
C760	DI-N-OCTYL PHTHALATE	29B	149	1395	50	132545	0.960	2.940
C765	BENZO(B)FLUORANTHENE	7B	252	1409	50	77173	0.970	1.712
C770	BENZO(K)FLUORANTHENE	9B	252	1413	50	43128	0.972	0.957
C775	BENZO(A)PYRENE	6B	252	1446	50	49546	0.995	1.099
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1571	50	44590	1.081	0.989
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1575	50	40806	1.084	0.905
C790	BENZO(GHI)PERYLENE	8B	276	1596	50	45183	1.098	1.002
C310	N-NITROSODIMETHYLAMINE	41B	74	58	50	29683	0.205	1.195
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	263	50	48906	0.929	1.968
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	310	50	23020	1.095	0.926
C647	CARBAZOLE		167	949	50	34142	1.045	0.522
C320	ANILINE		93	246	50	46291	0.869	1.863
A950	PYRIDINE		79	58	50	44610	0.205	1.795
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	814	50	97703	0.896	1.493

CHESTER LABNET DC # ---14

RIC
05/25/93 12:56:00
SAMPLE: SSTD050
CONDS.: ---
RANGE: G 1,1680 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: ES0525C02A #1 SCANS 140 TO 1250
CALI: ES0525C02A #3



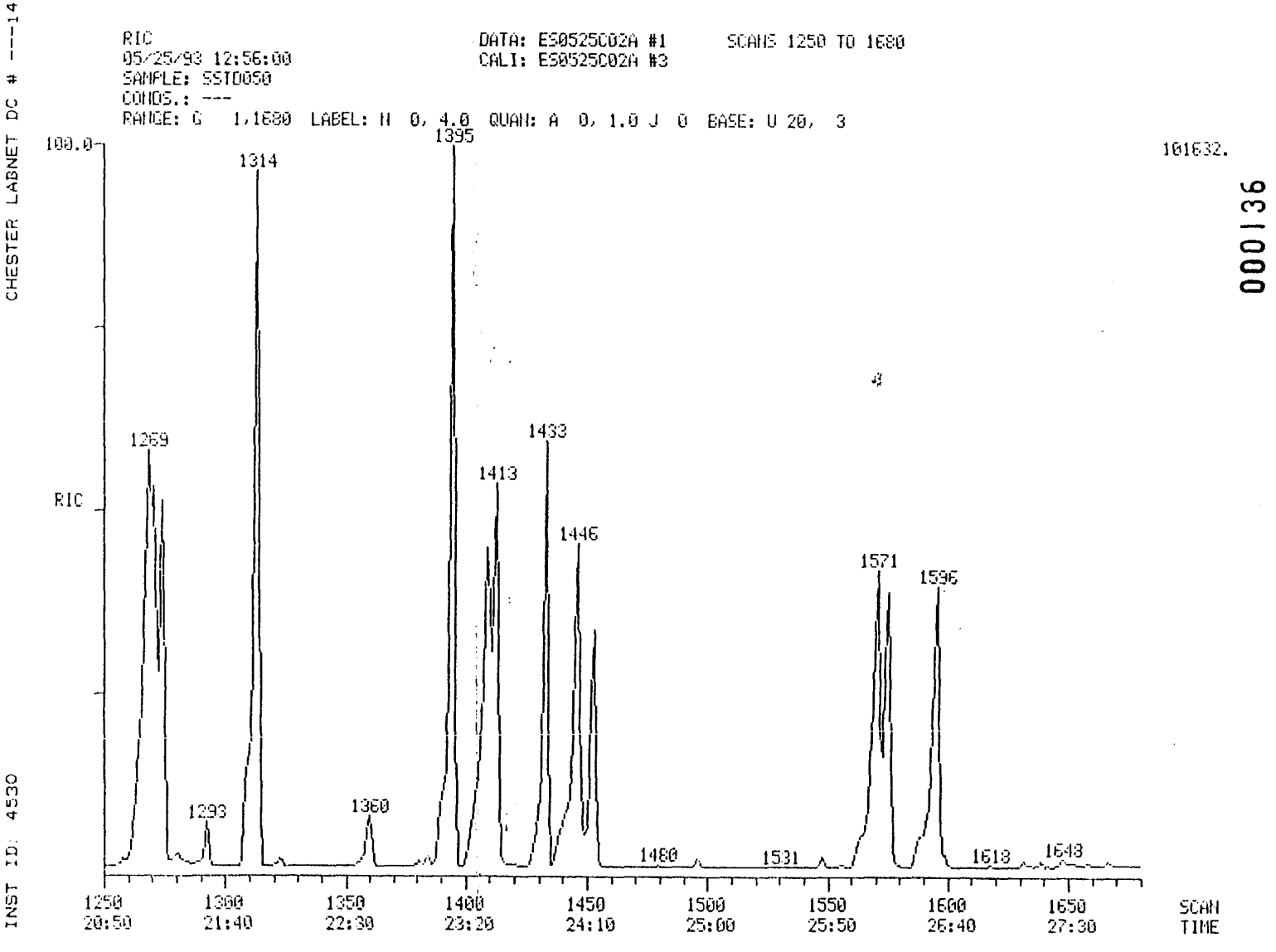
109824.

000135

INST ID: 4530

010364

010364



000136

010365

010365

010366

Quantitation Report File: ES0525C02A

Data: ES0525C02A.TI
05/25/93 12:56:00
Sample: SSTD050
Conds.: ---
Formula: -- 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

010366

010367

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	283	4:43	1	1.000	A BB	19879.	40.000 UG/L	0.97
2	136	468	7:48	2	1.000	A BB	78927.	40.000 UG/L	0.97
3	164	711	11:51	3	1.000	A BB	33050.	40.000 UG/L	0.97
4	188	908	15:08	4	1.000	A VB	52352.	40.000 UG/L	0.97
5	240	1271	21:11	5	1.000	A BB	40612.	40.000 UG/L	0.97
6	264	1453	24:13	6	1.000	A BB	36061.	40.000 UG/L	0.97
7	112	132	2:12	1	0.466	A BB	38646.	50.000 UG/L	1.21
8	99	277	4:37	1	0.979	A BB	52384.	50.000 UG/L	1.21
9	330	822	13:42	3	1.156	A BB	5326.	50.000 UG/L	1.21
10	82	373	6:13	2	0.797	A BB	44011.	50.000 UG/L	1.21
11	172	629	10:29	3	0.885	A BB	59850.	50.000 UG/L	1.21
12	244	1138	18:58	5	0.895	A BB	60768.	50.000 UG/L	1.21
13	94	279	4:39	1	0.986	A BB	48559.	50.000 UG/L	1.21
14	93	261	4:21	1	0.922	A BB	40115.	50.000 UG/L	1.21
15	128	265	4:25	1	0.936	A BB	36011.	50.000 UG/L	1.21
16	146	275	4:35	1	0.972	A BB	37406.	50.000 UG/L	1.21
17	146	285	4:45	1	1.007	A BB	38918.	50.000 UG/L	1.21
18	108	329	5:29	1	1.163	M XX	5613.	50.000 UG/L	1.21
19	146	312	5:12	1	1.102	A BB	37689.	50.000 UG/L	1.21
20	108	364	6:04	1	1.286	A BB	31353.	50.000 UG/L	1.21
21	45	344	5:44	1	1.216	A BB	63759.	50.000 UG/L	1.21
22	108	386	6:26	1	1.364	A BB	32923.	50.000 UG/L	1.21
23	70	370	6:10	1	1.307	A VB	31021.	50.000 UG/L	1.21
24	117	355	5:55	1	1.254	A BB	15237.	50.000 UG/L	1.21
25	77	376	6:16	2	0.803	A VB	42939.	50.000 UG/L	1.21
26	82	414	6:54	2	0.885	A BB	85945.	50.000 UG/L	1.21
27	139	422	7:02	2	0.902	A BB	17324.	50.000 UG/L	1.21
28	107	455	7:35	2	0.972	A BV	25359.	50.000 UG/L	1.21
29	122	504	8:24	2	1.077	A BB	16437.	50.000 UG/L	1.21
30	93	457	7:37	2	0.976	A BB	55350.	50.000 UG/L	1.21
31	162	466	7:46	2	0.996	A BB	23084.	50.000 UG/L	1.21
32	180	466	7:46	2	0.996	A BB	24197.	50.000 UG/L	1.21
33	126	471	7:51	2	1.006	A BB	98361.	50.000 UG/L	1.21
34	127	494	8:14	2	1.056	A BB	32760.	50.000 UG/L	1.21
35	225	503	8:23	2	1.075	A BB	11229.	50.000 UG/L	1.21
36	107	585	9:45	2	1.250	A BB	30664.	50.000 UG/L	1.21
37	142	569	9:29	2	1.216	A BB	68286.	50.000 UG/L	1.21
38	237	603	10:03	3	0.848	A BB	9790.	50.000 UG/L	1.21
39	196	623	10:23	3	0.876	A BV	13576.	50.000 UG/L	1.21
40	196	632	10:32	3	0.889	A VB	16742.	50.000 UG/L	1.21
41	162	634	10:34	3	0.892	A BB	55048.	50.000 UG/L	1.21
42	65	664	11:04	3	0.934	A BB	23097.	50.000 UG/L	1.21
43	163	700	11:40	3	0.985	A BB	61778.	50.000 UG/L	1.21
44	152	689	11:29	3	0.969	A BB	82827.	50.000 UG/L	1.21
45	138	724	12:04	3	1.018	A BV	10751.	50.000 UG/L	1.21
46	153	715	11:55	3	1.006	A BB	52118.	50.000 UG/L	1.21
47	184	735	12:15	3	1.034	A BB	6274.	50.000 UG/L	1.21
48	109	776	12:56	3	1.091	A BB	4502.	50.000 UG/L	1.21
49	168	738	12:18	3	1.038	A BB	71166.	50.000 UG/L	1.21
50	165	756	12:36	3	1.063	A BB	16551.	50.000 UG/L	1.21

010368

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	4:43	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	7:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	11:51	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	15:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	21:11	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	24:13	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:12	1.00	0.466	1.00	50.00	50.00	1.555	1.555	1.00
8	4:37	1.00	0.979	1.00	50.00	50.00	2.108	2.108	1.00
9	13:42	1.00	1.156	1.00	50.00	50.00	0.129	0.129	1.00
10	6:13	1.00	0.797	1.00	50.00	50.00	0.446	0.446	1.00
11	10:29	1.00	0.885	1.00	50.00	50.00	1.449	1.449	1.00
12	18:58	1.00	0.895	1.00	50.00	50.00	1.197	1.197	1.00
13	4:39	1.00	0.986	1.00	50.00	50.00	1.954	1.954	1.00
14	4:21	1.00	0.922	1.00	50.00	50.00	1.614	1.614	1.00
15	4:25	1.00	0.936	1.00	50.00	50.00	1.449	1.449	1.00
16	4:35	1.00	0.972	1.00	50.00	50.00	1.505	1.505	1.00
17	4:45	1.00	1.007	1.00	50.00	50.00	1.566	1.566	1.00
18	5:29	1.00	1.163	1.00	50.00	50.00	0.226	0.226	1.00
19	5:12	1.00	1.102	1.00	50.00	50.00	1.517	1.517	1.00
20	6:04	1.00	1.286	1.00	50.00	50.00	1.262	1.262	1.00
21	5:44	1.00	1.216	1.00	50.00	50.00	2.566	2.566	1.00
22	6:26	1.00	1.364	1.00	50.00	50.00	1.325	1.325	1.00
23	6:10	1.00	1.307	1.00	50.00	50.00	1.248	1.248	1.00
24	5:55	1.00	1.254	1.00	50.00	50.00	0.613	0.613	1.00
25	6:16	1.00	0.803	1.00	50.00	50.00	0.435	0.435	1.00
26	6:54	1.00	0.885	1.00	50.00	50.00	0.871	0.871	1.00
27	7:02	1.00	0.902	1.00	50.00	50.00	0.176	0.176	1.00
28	7:35	1.00	0.972	1.00	50.00	50.00	0.257	0.257	1.00
29	8:24	1.00	1.077	1.00	50.00	50.00	0.167	0.167	1.00
30	7:37	1.00	0.976	1.00	50.00	50.00	0.561	0.561	1.00
31	7:46	1.00	0.996	1.00	50.00	50.00	0.234	0.234	1.00
32	7:46	1.00	0.996	1.00	50.00	50.00	0.245	0.245	1.00
33	7:51	1.00	1.006	1.00	50.00	50.00	0.997	0.997	1.00
34	8:14	1.00	1.056	1.00	50.00	50.00	0.332	0.332	1.00
35	8:23	1.00	1.075	1.00	50.00	50.00	0.114	0.114	1.00
36	9:45	1.00	1.250	1.00	50.00	50.00	0.311	0.311	1.00
37	9:29	1.00	1.216	1.00	50.00	50.00	0.692	0.692	1.00
38	10:03	1.00	0.848	1.00	50.00	50.00	0.237	0.237	1.00
39	10:23	1.00	0.876	1.00	50.00	50.00	0.329	0.329	1.00
40	10:32	1.00	0.889	1.00	50.00	50.00	0.405	0.405	1.00
41	10:34	1.00	0.892	1.00	50.00	50.00	1.332	1.332	1.00
42	11:04	1.00	0.934	1.00	50.00	50.00	0.559	0.559	1.00
43	11:40	1.00	0.985	1.00	50.00	50.00	1.495	1.495	1.00
44	11:29	1.00	0.969	1.00	50.00	50.00	2.005	2.005	1.00
45	12:04	1.00	1.018	1.00	50.00	50.00	0.260	0.260	1.00
46	11:55	1.00	1.006	1.00	50.00	50.00	1.262	1.262	1.00
47	12:15	1.00	1.034	1.00	50.00	50.00	0.152	0.152	1.00
48	12:56	1.00	1.091	1.00	50.00	50.00	0.109	0.109	1.00
49	12:18	1.00	1.038	1.00	50.00	50.00	1.723	1.723	1.00
50	12:36	1.00	1.063	1.00	50.00	50.00	0.401	0.401	1.00

Quantitation Report File: ES0525C02A

Data: ES0525C02A.TI
05/25/93 12:56:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	165	705	11:45	3	0.992	A BV	14343.	50.000	UG/L	1.21
52	149	798	13:18	3	1.122	A VB	66934.	50.000	UG/L	1.21
53	204	793	13:13	3	1.115	A BB	24304.	50.000	UG/L	1.21
54	166	784	13:04	3	1.103	A BB	50114.	50.000	UG/L	1.21
55	138	807	13:27	3	1.135	A BB	8956.	50.000	UG/L	1.21
56	198	811	13:31	4	0.893	A BB	8249.	50.000	UG/L	1.21
57	169	814	13:34	4	0.896	A VB	34604.	50.000	UG/L	1.21
58	248	857	14:17	4	0.944	A BB	12023.	50.000	UG/L	1.21
59	284	869	14:29	4	0.957	A BB	12785.	50.000	UG/L	1.21

010370

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
60	266	903	15:03	4	0.994	A BB	7133.	50.000	UG/L	1.21
61	178	911	15:11	4	1.003	A BV	82330.	50.000	UG/L	1.21
62	178	917	15:17	4	1.010	A VB	58095.	50.000	UG/L	1.21
63	149	1021	17:01	4	1.124	A VB	114336.	50.000	UG/L	1.21
64	202	1072	17:52	4	1.181	A BV	66339.	50.000	UG/L	1.21
65	202	1100	18:20	5	0.865	A BB	66965.	50.000	UG/L	1.21
66	149	1222	20:22	5	0.961	A BB	46667.	50.000	UG/L	1.21
67	252	1281	21:21	5	1.008	M XX	6988.	50.000	UG/L	1.21
68	228	1269	21:09	5	0.998	M XX	73524.	50.000	UG/L	1.21
69	149	1314	21:54	5	1.034	A BB	75836.	50.000	UG/L	1.21
70	228	1274	21:14	5	1.002	M XX	45432.	50.000	UG/L	1.21
71	149	1395	23:15	6	0.960	A VB	132545.	50.000	UG/L	1.21
72	252	1409	23:29	6	0.970	M XX	77173.	50.000	UG/L	1.21
73	252	1413	23:33	6	0.972	M XX	43128.	50.000	UG/L	1.21
74	252	1446	24:06	6	0.995	A BB	49546.	50.000	UG/L	1.21
75	276	1571	26:11	6	1.081	M XX	44590.	50.000	UG/L	1.21
76	278	1575	26:15	6	1.084	A BB	40806.	50.000	UG/L	1.21
77	276	1596	26:36	6	1.098	A BB	45183.	50.000	UG/L	1.21
78	74	58	0:58	1	0.205	A VB	29683.	50.000	UG/L	1.21
79	132	263	4:23	1	0.929	A BB	48906.	50.000	UG/L	1.21
80	152	310	5:10	1	1.095	A BB	23020.	50.000	UG/L	1.21
81	167	949	15:49	4	1.045	A BB	34142.	50.000	UG/L	1.21
82	93	246	4:06	1	0.869	M XX	46291.	50.000	UG/L	1.21
83	79	58	0:58	1	0.205	A BB	44610.	50.000	UG/L	1.21
84	77	814	13:34	4	0.896	A VB	97703.	50.000	UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	11:45	1.00	0.992	1.00	50.00	50.00	0.347	0.347	1.00
52	13:18	1.00	1.122	1.00	50.00	50.00	1.620	1.620	1.00
53	13:13	1.00	1.115	1.00	50.00	50.00	0.588	0.588	1.00
54	13:04	1.00	1.103	1.00	50.00	50.00	1.213	1.213	1.00
55	13:27	1.00	1.135	1.00	50.00	50.00	0.217	0.217	1.00
56	13:31	1.00	0.893	1.00	50.00	50.00	0.126	0.126	1.00
57	13:34	1.00	0.896	1.00	50.00	50.00	0.529	0.529	1.00
58	14:17	1.00	0.944	1.00	50.00	50.00	0.184	0.184	1.00
59	14:29	1.00	0.957	1.00	50.00	50.00	0.195	0.195	1.00
60	15:03	1.00	0.994	1.00	50.00	50.00	0.109	0.109	1.00
61	15:11	1.00	1.003	1.00	50.00	50.00	1.258	1.258	1.00
62	15:17	1.00	1.010	1.00	50.00	50.00	0.888	0.888	1.00
63	17:01	1.00	1.124	1.00	50.00	50.00	1.747	1.747	1.00
64	17:52	1.00	1.181	1.00	50.00	50.00	1.014	1.014	1.00
65	18:20	1.00	0.865	1.00	50.00	50.00	1.319	1.319	1.00
66	20:22	1.00	0.961	1.00	50.00	50.00	0.919	0.919	1.00
67	21:21	1.00	1.008	1.00	50.00	50.00	0.138	0.138	1.00
68	21:09	1.00	0.998	1.00	50.00	50.00	1.448	1.448	1.00
69	21:54	1.00	1.034	1.00	50.00	50.00	1.494	1.494	1.00
70	21:14	1.00	1.002	1.00	50.00	50.00	0.895	0.895	1.00
71	23:15	1.00	0.960	1.00	50.00	50.00	2.940	2.940	1.00
72	23:29	1.00	0.970	1.00	50.00	50.00	1.712	1.712	1.00
73	23:33	1.00	0.972	1.00	50.00	50.00	0.957	0.957	1.00
74	24:06	1.00	0.995	1.00	50.00	50.00	1.099	1.099	1.00
75	26:11	1.00	1.081	1.00	50.00	50.00	0.989	0.989	1.00
76	26:15	1.00	1.084	1.00	50.00	50.00	0.905	0.905	1.00
77	26:36	1.00	1.098	1.00	50.00	50.00	1.002	1.002	1.00
78	0:58	1.00	0.205	1.00	50.00	50.00	1.195	1.195	1.00
79	4:23	1.00	0.929	1.00	50.00	50.00	1.968	1.968	1.00

010371

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	5:10	1.00	1.095	1.00	50.00	50.00	0.926	0.926	1.00
81	15:49	1.00	1.045	1.00	50.00	50.00	0.522	0.522	1.00
82	4:06	1.00	0.869	1.00	50.00	50.00	1.863	1.863	1.00
83	0:59	1.00	0.205	1.00	50.00	50.00	1.795	1.795	1.00
84	13:34	1.00	0.896	1.00	50.00	50.00	1.493	1.493	1.00

GC/MS Tuning and Mass Calibration

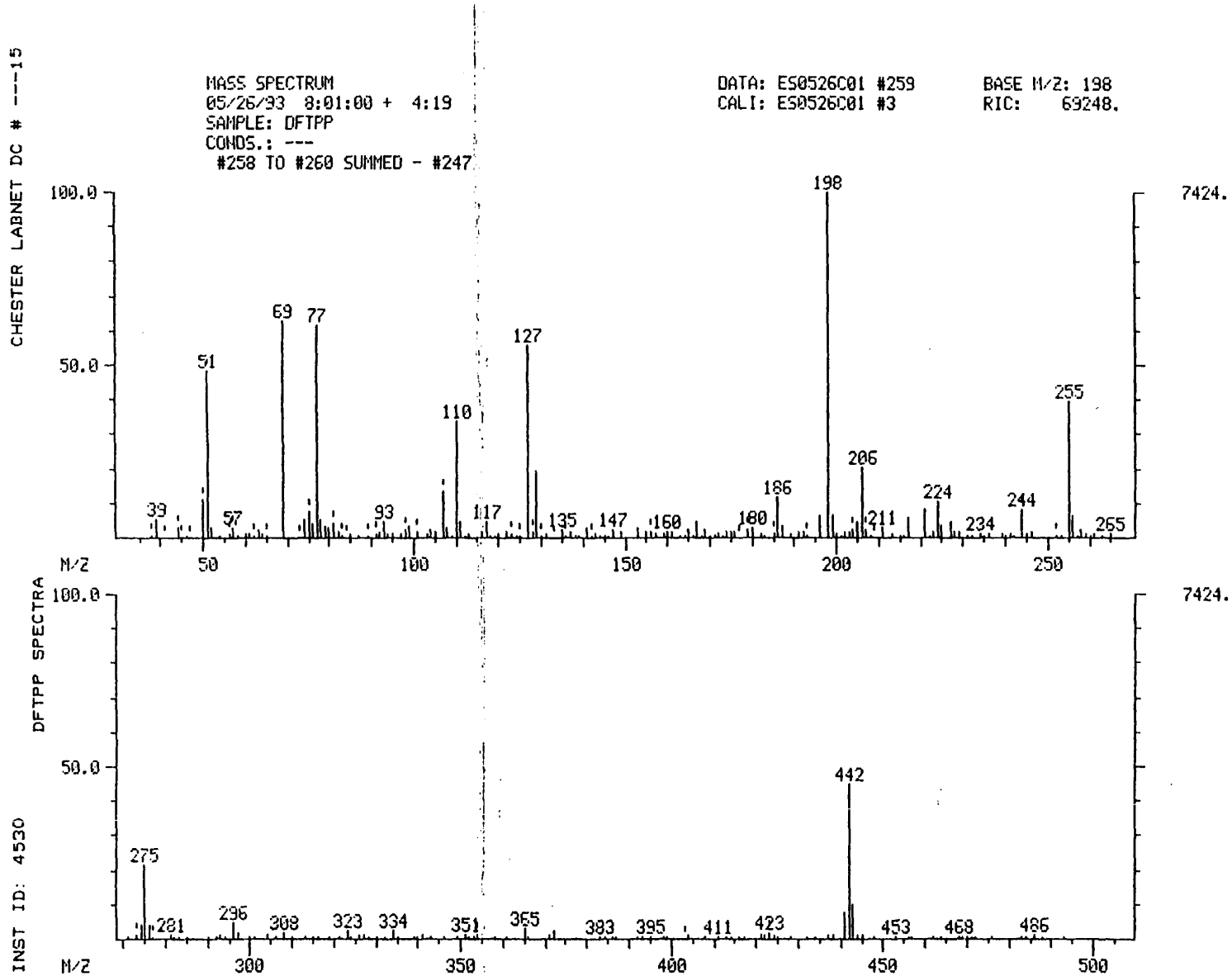
DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	05/26/93	Sens Time:	8:01:00
Lab ID:	ES0526C01	Cali Date:	05/12/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 258	
51	30 to 60% of mass 198	48.38	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	62.61	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	55.93	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.61	
275	10 TO 30% of mass 198	21.71	
365	greater than 1% of mass 198	2.95	
441	less than mass 443	7.33	
442	greater than 40% of mass 198	45.04	
443	17 TO 23% of mass 442	9.60	(21.33) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442



000144

010373

010373

010374

INST ID: 4530 CHESTER LABNET DC # ---15

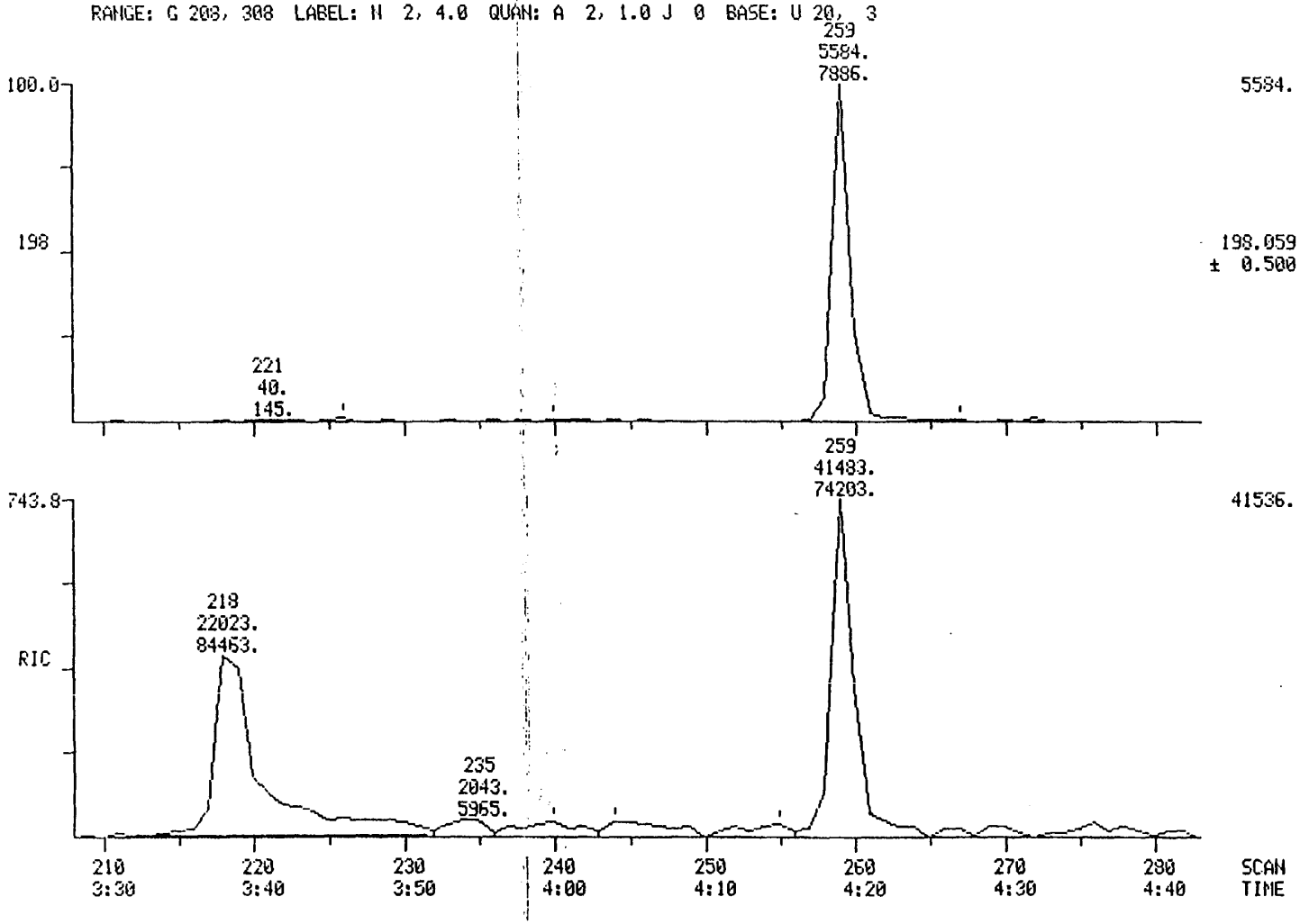
DFTPP MASS LISTING

Mass List Data: ES0526C01 # 259 Base m/z: 198
05/26/93 8:01:00 + 4:19 Cali: ES0526C01 # 3 RIC: 69248.
Sample: DFTPP
Conds.: ---
#258 to #260 summed - #247

38		0.00	0.	Minima	Min Inten:		98.
493				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39.00?		5.09	378.	176.00		1.72	128.
44.00?	S	2.75	204.	179.00	S	2.53	188.
50.00	S	10.79	801.	180.00		3.11	231.
51.00	S	48.38	3592.	185.00	S	1.33	99.
52.00		3.03	225.	186.00		11.61	862.
57.00	S	3.00	223.	187.00		3.73	277.
63.00		2.42	180.	191.00		1.83	136.
69.00		62.61	4648.	192.00		1.48	110.
74.00		5.28	392.	196.00		6.30	468.
75.00	S	7.49	556.	198.00		100.00	7424.
76.00		4.01	298.	199.00		6.61	491.
77.00		61.42	4560.	202.00		1.75	130.
78.00		5.00	371.	203.00		1.71	127.
79.00		3.66	272.	204.00	S	2.05	152.
80.00		2.92	217.	205.00		4.81	357.
81.00	S	3.87	287.	206.00		20.23	1502.
82.00		1.56	116.	207.00	S	2.44	181.
92.00		1.48	110.	211.00		2.83	210.
93.00		4.36	324.	217.00		5.78	429.
98.00	S	2.30	171.	221.00		8.00	594.
99.00		3.56	264.	223.00		1.99	148.
101.00	S	1.67	124.	224.00		10.60	787.
104.00		2.18	162.	225.00		3.58	266.
105.00		2.02	150.	227.00		4.39	326.
107.00	S	13.36	992.	228.00		1.89	140.
108.00		2.91	216.	229.00		1.60	119.
110.00		33.51	2488.	244.00	S	7.92	588.
111.00		4.86	361.	246.00		1.51	112.
116.00		1.52	113.	255.00		39.44	2928.
117.00	S	4.93	366.	256.00		6.21	461.
120.00		1.40	104.	258.00		2.07	154.
122.00		1.64	122.	274.00		4.18	310.
127.00		55.93	4152.	275.00		21.71	1612.
128.00	S	1.55	115.	276.00		3.79	281.
129.00		19.48	1446.	293.00		1.35	100.
135.00		2.60	193.	296.00		4.66	346.
137.00		1.66	123.	297.00		1.63	121.
141.00		3.19	237.	308.00		1.50	111.
147.00		2.53	188.	323.00		2.42	180.
149.00		1.74	129.	334.00		2.53	188.
153.00		2.73	203.	351.00		1.32	98.
155.00		1.85	137.	365.00		2.95	219.
156.00	S	1.55	115.	372.00		2.17	161.
160.00		1.85	137.	423.00	S	1.79	133.
161.00		1.70	126.	441.00		7.33	544.
165.00		2.20	163.	442.00		45.04	3344.
167.00		4.93	366.	443.00		9.60	713.
169.00		2.14	159.	444.00		1.41	105.
174.00		1.93	143.	445.00		1.35	100.
175.00		1.95	145.				

RIC+MASS CHROMATOGRAM
05/26/93 8:01:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 208, 308 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: ES0526C01 #258 SCANS 208 TO 283
CALI: ES0526C01 #3



000146

010375

010375

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --
CONTRACT LAB: CHESTER LABNET
CONTRACT NO. --
INSTRUMENT IDENTIFIER: 4530
CALIBRATION DATE: 05/12/93
STANDARD FILE: ES0526C02
DATE: 05/26/93 TIME: 8:21
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.937	1.967	1.534
C325	BIS(2-CHLOROETHYL)ETHE	1.963	1.683	-14.293
C330	2-CHLOROPHENOL	1.394	1.483	6.332
C335	1,3-DICHLOROBENZENE	1.457	1.546	6.101
C340	1,4-DICHLOROBENZENE	1.543	1.615	4.684
C345	BENZYL ALCOHOL	0.286	0.463	61.456
C350	1,2-DICHLOROBENZENE	1.476	1.556	5.437
C355	2-METHYLPHENOL	1.306	1.298	-0.648
C357	2,2'-OXYBIS(1-CHLOROPR	3.028	2.615	-13.647
C365	4-METHYLPHENOL	1.144	1.363	19.143
C370	N-NITROSODIPROPYLAMINE	1.290	1.321	2.449
C375	HEXACHLOROETHANE	0.590	0.639	8.238
C410	NITROBENZENE	0.503	0.426	-15.290
C415	ISOPHORONE	0.935	0.898	-3.941
C420	2-NITROPHENOL	0.189	0.190	0.600
C425	2,4-DIMETHYLPHENOL	0.295	0.269	-8.738
C430	BENZOIC ACID	0.150	0.159	5.720
C435	BIS(2-CHLOROETHOXY)MET	0.593	0.583	-1.561
C440	2,4-DICHLOROPHENOL	0.247	0.250	0.972
C445	1,2,4-TRICHLOROBENZENE	0.264	0.253	-4.107
C450	NAPHTHALENE	1.070	0.824	-22.926
C455	4-CHLOROANILINE	0.340	0.362	6.254
C460	HEXACHLOROBUTADIENE	0.126	0.116	-7.709
C465	P-CHLORO-M-CRESOL	0.308	0.327	5.964
C470	2-METHYLNAPHTHALENE	0.719	0.714	-0.773
C510	HEXACHLOROCYCLOPENTADI	0.324	0.236	-27.200
C515	2,4,6-TRICHLOROPHENOL	0.308	0.359	16.487
C520	2,4,5-TRICHLOROPHENOL	0.363	0.428	17.783
C525	2-CHLORONAPHTHALENE	1.342	1.367	1.813
C530	2-NITROANILINE	0.610	0.569	-6.746
C535	DIMETHYL PHTHALATE	1.514	1.531	1.061
C540	ACENAPHTHYLENE	2.135	2.063	-3.358
C545	3-NITROANILINE	0.302	0.283	-6.368
C550	ACENAPHTHENE	1.325	1.237	-6.614
C555	2,4-DINITROPHENOL	0.157	0.164	4.173
C560	4-NITROPHENOL	0.128	0.125	-1.965
C565	DIBENZOFURAN	1.727	1.747	1.155
C570	2,4-DINITROTOLUENE	0.441	0.415	-5.871
C543	2,6-DINITROTOLUENE	0.317	0.268	-15.461
C580	DIETHYL PHTHALATE	1.733	1.624	-6.331
C585	4-CHLOROPHENYL PHENYL	0.636	0.596	-6.312
C590	FLUORENE	1.303	1.198	-8.056
C595	4-NITROANILINE	0.289	0.205	-29.094
C610	4,6-DINITRO-2-METHYLPH	0.141	0.130	-7.892
C615	N-NITROSODIPHENYLAMINE	0.672	0.534	-20.613
C625	4-BROMOPHENYL PHENYL E	0.216	0.186	-14.097
C630	HEXACHLOROBENZENE	0.227	0.196	-13.647
C635	PENTACHLOROPHENOL	0.114	0.119	5.135
C640	PHENANTHRENE	1.482	1.209	-18.456
C645	ANTHRACENE	1.138	0.823	-27.632
C650	DI-N-BUTYL PHTHALATE	1.968	1.686	-14.296
C655	FLUORANTHENE	1.228	0.932	-24.094

010377

C715	PYRENE	1.501	1.339	-10.748
C720	BUTYL BENZYL PHTHALATE	0.996	0.974	-2.251
C725	3,3'-DICHLOROBENZIDINE	0.322	0.154	-52.178
C730	BENZO(A)ANTHRACENE	1.560	1.467	-5.923
C745	BIS(2-ETHYLHEXYL)PHTHA	1.547	1.502	-2.896
C740	CHRYSENE	0.972	0.829	-14.710
C760	DI-N-OCTYL PHTHALATE	2.974	3.061	2.942
C765	BENZO(B)FLUORANTHENE	1.826	1.722	-5.671
C770	BENZO(K)FLUORANTHENE	1.089	0.893	-17.994
C775	BENZO(A)PYRENE	1.242	1.128	-9.194
C780	INDENO(1,2,3-CD)PYRENE	1.127	1.096	-2.691
C785	DIBENZO(A,H)ANTHRACENE	0.901	0.948	5.241
C790	BENZO(GHI)PERYLENE	0.922	1.006	9.077
C310	N-NITROSODIMETHYLAMINE	1.440	1.342	-6.824
C620	1,2-DIPHENYL-HYDRAZINE	1.609	1.444	-10.258
C320	ANILINE	1.807	1.894	4.800
CS50	2-FLUOROPHENOL ** SU1	1.306	1.550	18.635
CS45	PHENOL-D5 ** SU2 **	1.952	2.104	7.808
CS55	2,4,6-TRIBROMOPHENOL	0.133	0.141	5.605
CS20	NITROBENZENE-D5 ** SU3	0.485	0.456	-6.009
CS25	2-FLUOROBIPHENYL **SU4	1.336	1.442	8.005
CS30	TERPHENYL-D14 ** SU6	1.243	1.218	-1.974
CS70	2-CHLOROPHENOL-D4 ** S	1.818	2.000	9.979
CS75	1,2-DICHLOROBENZENE-D4	0.937	0.942	0.619
C647	CARBAZOLE	1.036	0.521	-49.635
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.552	1.731	11.510

010377

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0526C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 05/26/93 8:21:00 VERFIED BY

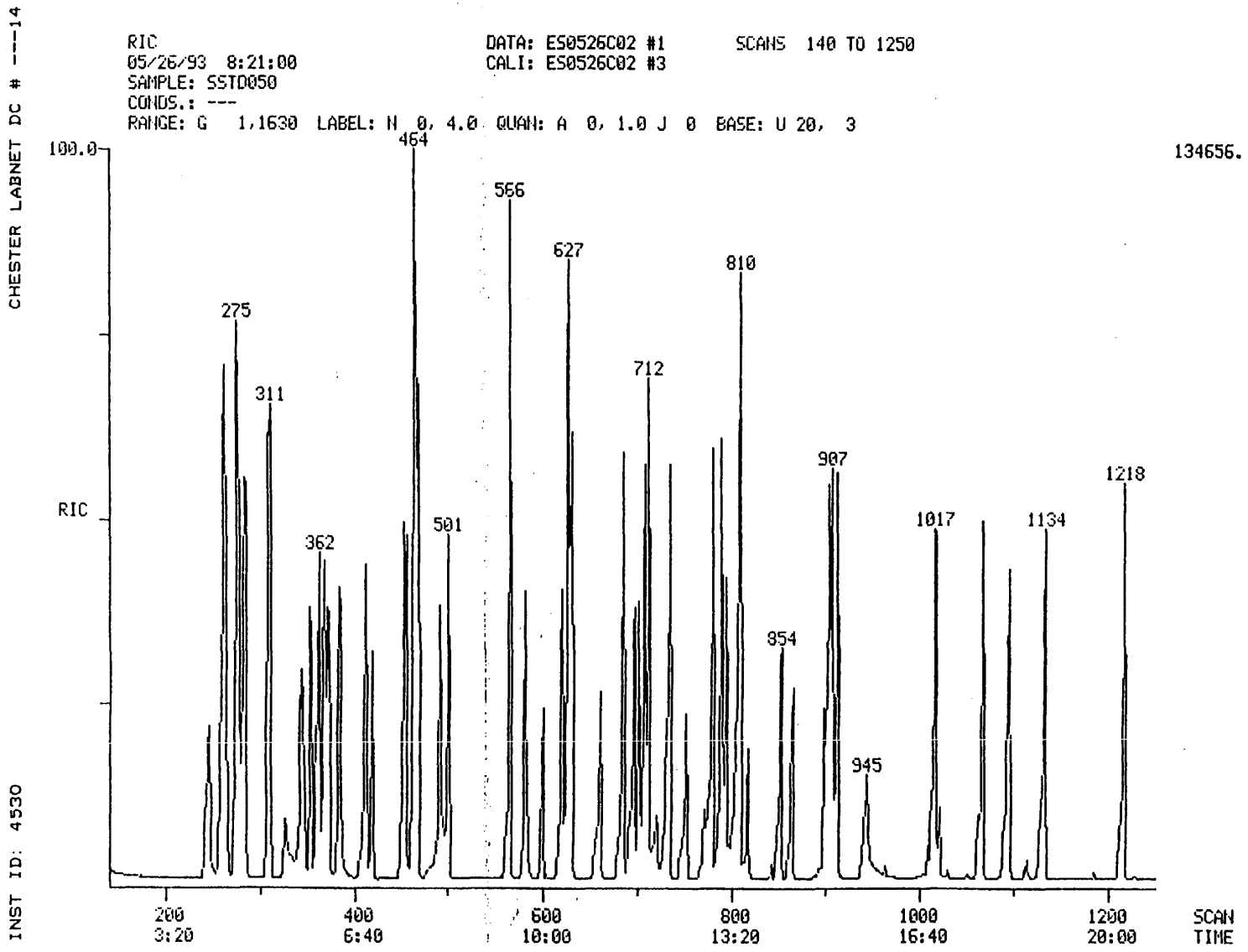
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	282	40	23406	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	466	40	90988	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	708	40	39300	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	904	40	63190	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1266	40	45321	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1448	40	38778	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	132	50	45345	0.468	1.550
CS45	PHENOL-D5 ** SU2 **		99	276	50	61568	0.979	2.104
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	819	50	6912	1.157	0.141
CS20	NITROBENZENE-D5 ** SU3 **		82	371	50	51832	0.796	0.456
CS25	2-FLUOROBIPHENYL **SU4 **		172	626	50	70862	0.884	1.442
CS30	TERPHENYL-D14 ** SU6 **		244	1134	50	69007	0.896	1.218
C315	PHENOL	10A	94	278	50	57556	0.986	1.967
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	261	50	49229	0.926	1.683
C330	2-CHLOROPHENOL	1A	128	264	50	43380	0.936	1.483
C335	1,3-DICHLOROBENZENE	21B	146	275	50	45235	0.975	1.546
C340	1,4-DICHLOROBENZENE	22B	146	284	50	47264	1.007	1.615
C345	BENZYL ALCOHOL		108	326	50	13533	1.156	0.463
C350	1,2-DICHLOROBENZENE	20B	146	311	50	45530	1.103	1.556
C355	2-METHYLPHENOL		108	362	50	37968	1.284	1.298
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	343	50	76503	1.216	2.615
C365	4-METHYLPHENOL		108	384	50	39881	1.362	1.363
C370	N-NITROSODIPROPYLAMINE	42B	70	368	50	38656	1.305	1.321
C375	HEXACHLOROETHANE	36B	117	353	50	18696	1.252	0.639
C410	NITROBENZENE	40B	77	374	50	48488	0.803	0.426
C415	ISOPHORONE	38B	82	413	50	102168	0.886	0.898
C420	2-NITROPHENOL	6A	139	420	50	21607	0.901	0.190
C425	2,4-DIMETHYLPHENOL	3A	107	453	50	30566	0.972	0.269
C430	BENZOIC ACID		122	501	50	18028	1.075	0.159
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	456	50	66347	0.979	0.583
C440	2,4-DICHLOROPHENOL	2A	162	464	50	28420	0.996	0.250
C445	1,2,4-TRICHLOROBENZENE	46B	180	463	50	28748	0.994	0.253
C450	NAPHTHALENE	39B	128	468	61	114382	1.004	0.824
C455	4-CHLOROANILINE		127	492	50	41133	1.056	0.362
C460	HEXACHLOROBUTADIENE	34B	225	501	50	13241	1.075	0.116
C465	P-CHLORO-M-CRESOL	8A	107	581	50	37151	1.247	0.327
C470	2-METHYLNAPHTHALENE		142	566	50	81197	1.215	0.714
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	600	50	11569	0.847	0.236
C515	2,4,6-TRICHLOROPHENOL	11A	196	620	50	17626	0.876	0.359
C520	2,4,5-TRICHLOROPHENOL		196	628	50	21034	0.887	0.428
C525	2-CHLORONAPHTHALENE	16B	162	631	50	67137	0.891	1.367
C530	2-NITROANILINE		65	661	50	27954	0.934	0.569
C535	DIMETHYL PHTHALATE	25B	163	697	50	75188	0.984	1.531
C540	ACENAPHTHYLENE	2B	152	686	50	101338	0.969	2.063
C545	3-NITROANILINE		138	721	50	13892	1.018	0.283
C550	ACENAPHTHENE	1B	153	712	50	60778	1.006	1.237

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

DATAFILE ES0526C02

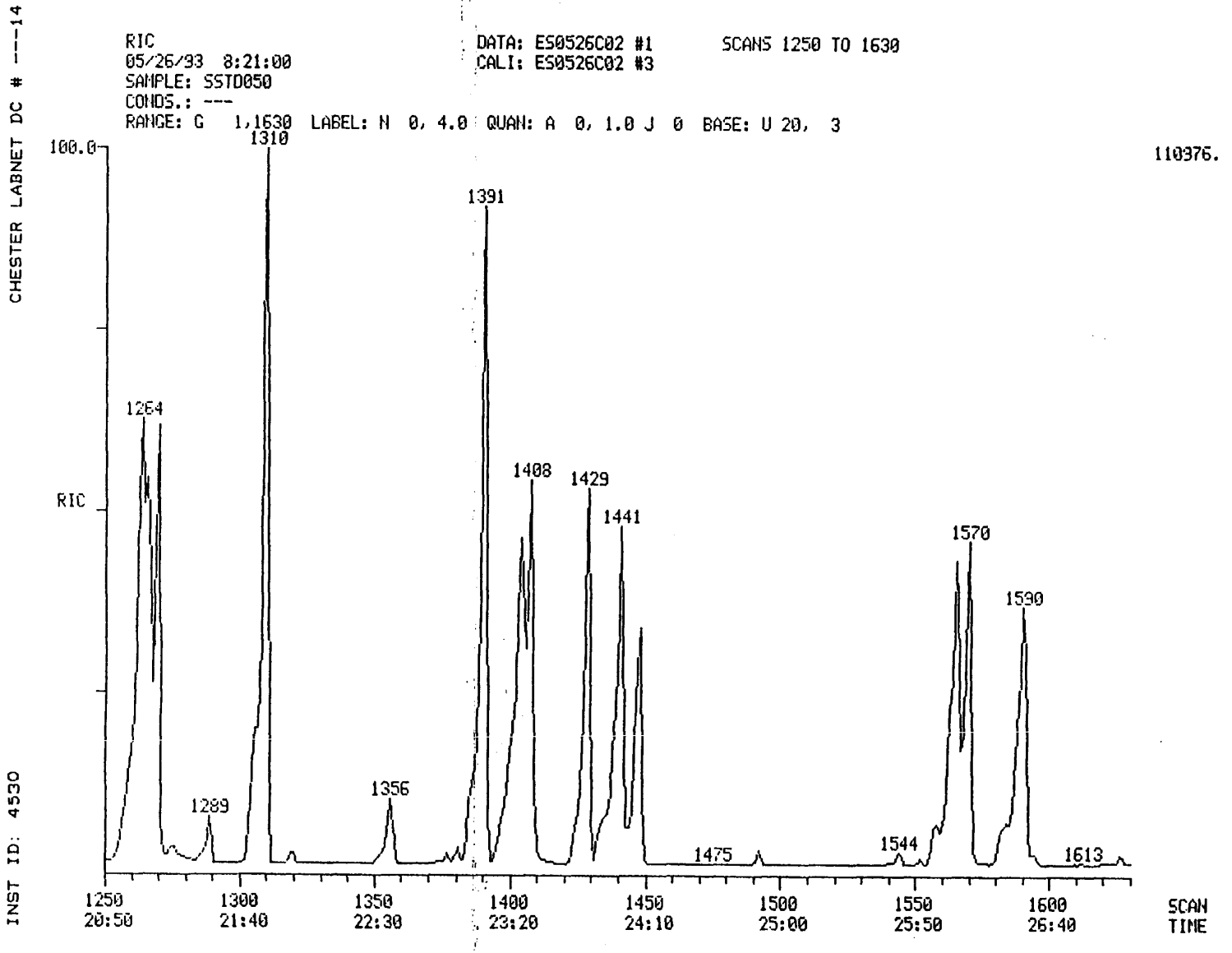
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	732	50	8043	1.034	0.164
C560	4-NITROPHENOL	7A	109	771	50	6158	1.089	0.125
C565	DIBENZOFURAN		168	735	50	85833	1.038	1.747
C570	2,4-DINITROTOLUENE	27B	165	753	50	20382	1.064	0.415
C543	2,6-DINITROTOLUENE	28B	165	702	50	13167	0.992	0.268
C580	DIETHYL PHTHALATE	24B	149	795	50	79758	1.123	1.624
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	790	50	29272	1.116	0.596
C590	FLUORENE	32B	166	781	50	58859	1.103	1.198
C595	4-NITROANILINE		138	804	50	10053	1.136	0.205
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	807	50	10259	0.893	0.130
C615	N-NITROSODIPHENYLAMINE	43B	169	811	50	42156	0.897	0.534
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	853	50	14659	0.944	0.186
C630	HEXACHLOROBENZENE	33B	284	865	50	15480	0.957	0.196
C635	PENTACHLOROPHENOL	9A	266	899	50	9430	0.994	0.119
C640	PHENANTHRENE	44B	178	907	50	95471	1.003	1.209
C645	ANTHRACENE	3B	178	913	50	65039	1.010	0.823
C650	DI-N-BUTYL PHTHALATE	26B	149	1017	50	133210	1.125	1.686
C655	FLUORANTHENE	31B	202	1068	50	73636	1.181	0.932
C715	PYRENE	45B	202	1095	50	75868	0.865	1.339
C720	BUTYL BENZYL PHTHALATE	15B	149	1218	50	55164	0.962	0.974
C725	3,3'-DICHLOROBENZIDINE	23B	252	1275	50	8697	1.007	0.154
C730	BENZO(A)ANTHRACENE	5B	228	1264	50	83116	0.998	1.467
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1310	50	85093	1.035	1.502
C740	CHRYSENE	18B	228	1270	50	46982	1.003	0.829
C760	DI-N-OCTYL PHTHALATE	29B	149	1391	50	148377	0.961	3.061
C765	BENZO(B)FLUORANTHENE	7B	252	1404	50	83491	0.970	1.722
C770	BENZO(K)FLUORANTHENE	9B	252	1408	50	43272	0.972	0.893
C775	BENZO(A)PYRENE	6B	252	1441	50	54671	0.995	1.128
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1565	50	53139	1.081	1.096
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1570	50	45954	1.084	0.948
C790	BENZO(GHI)PERYLENE	8B	276	1590	50	48772	1.098	1.006
C310	N-NITROSODIMETHYLAMINE	41B	74	58	50	39259	0.206	1.342
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	262	50	58512	0.929	1.999
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	309	50	27570	1.096	0.942
C647	CARBAZOLE		167	945	50	41181	1.045	0.521
C320	ANILINE		93	246	50	55417	0.872	1.894
A950	PYRIDINE		79	58	50	50644	0.206	1.731
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	810	50	114054	0.896	1.444



000151

010380

010380



000152

010381

010381

Quantitation Report File: ES0526C02

Data: ES0526C02.TI
05/26/93 8:21:00
Sample: SSTD050
Conds.: ---
Formula: -- 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

010383

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	282	4:42	1	1.000	A BB	23406.	40.000	UG/L	0.96
2	136	466	7:46	2	1.000	A BB	90988.	40.000	UG/L	0.96
3	164	708	11:48	3	1.000	A BB	39300.	40.000	UG/L	0.96
4	188	904	15:04	4	1.000	A BB	63190.	40.000	UG/L	0.96
5	240	1266	21:06	5	1.000	A BB	45321.	40.000	UG/L	0.96
6	264	1448	24:08	6	1.000	A BB	38778.	40.000	UG/L	0.96
7	112	132	2:12	1	0.468	A BB	45345.	50.000	UG/L	1.20
8	99	276	4:36	1	0.979	A BB	61567.	50.000	UG/L	1.20
9	330	819	13:39	3	1.157	A BB	6912.	50.000	UG/L	1.20
10	82	371	6:11	2	0.796	A BB	51832.	50.000	UG/L	1.20
11	172	626	10:26	3	0.884	A BB	70862.	50.000	UG/L	1.20
12	244	1134	18:54	5	0.896	A BB	69007.	50.000	UG/L	1.20
13	94	278	4:38	1	0.986	A BB	57556.	50.000	UG/L	1.20
14	93	261	4:21	1	0.926	A BB	49229.	50.000	UG/L	1.20
15	128	264	4:24	1	0.936	A BB	43380.	50.000	UG/L	1.20
16	146	275	4:35	1	0.975	A BV	45235.	50.000	UG/L	1.20
17	146	284	4:44	1	1.007	A VB	47264.	50.000	UG/L	1.20
18	108	326	5:26	1	1.156	M XX	13533.	50.000	UG/L	1.20
19	146	311	5:11	1	1.103	A BB	45530.	50.000	UG/L	1.20
20	108	362	6:02	1	1.284	A BB	37968.	50.000	UG/L	1.20
21	45	343	5:43	1	1.216	A BB	76503.	50.000	UG/L	1.20
22	108	384	6:24	1	1.362	A BB	39881.	50.000	UG/L	1.20
23	70	368	6:08	1	1.305	A VB	38656.	50.000	UG/L	1.20
24	117	353	5:53	1	1.252	A BB	18696.	50.000	UG/L	1.20
25	77	374	6:14	2	0.803	A VB	48488.	50.000	UG/L	1.20
26	82	413	6:53	2	0.886	A BB	102168.	50.000	UG/L	1.20
27	139	420	7:00	2	0.901	A BB	21607.	50.000	UG/L	1.20
28	107	453	7:33	2	0.972	A BV	30566.	50.000	UG/L	1.20
29	122	501	8:21	2	1.075	A BB	18028.	50.000	UG/L	1.20
30	93	456	7:36	2	0.979	A BB	66347.	50.000	UG/L	1.20
31	162	464	7:44	2	0.996	A BB	28420.	50.000	UG/L	1.20
32	180	463	7:43	2	0.994	A BB	28748.	50.000	UG/L	1.20
33	128	468	7:48	2	1.004	A BB	114382.	61.000	UG/L	1.47
34	127	492	8:12	2	1.056	A BB	41133.	50.000	UG/L	1.20
35	225	501	8:21	2	1.075	A BB	13241.	50.000	UG/L	1.20
36	107	581	9:41	2	1.247	A BB	37151.	50.000	UG/L	1.20
37	142	566	9:26	2	1.215	A BB	81197.	50.000	UG/L	1.20
38	237	600	10:00	3	0.847	A BB	11569.	50.000	UG/L	1.20
39	196	620	10:20	3	0.876	A BV	17626.	50.000	UG/L	1.20
40	196	628	10:28	3	0.887	A VB	21034.	50.000	UG/L	1.20
41	162	631	10:31	3	0.891	A BB	67137.	50.000	UG/L	1.20
42	65	661	11:01	3	0.934	A BB	27954.	50.000	UG/L	1.20
43	163	697	11:37	3	0.984	A BV	75188.	50.000	UG/L	1.20
44	152	686	11:26	3	0.969	A BB	101338.	50.000	UG/L	1.20
45	138	721	12:01	3	1.018	A BV	13892.	50.000	UG/L	1.20
46	153	712	11:52	3	1.006	A BB	60778.	50.000	UG/L	1.20
47	184	732	12:12	3	1.034	A BB	8043.	50.000	UG/L	1.20
48	109	771	12:51	3	1.089	A BB	6158.	50.000	UG/L	1.20
49	168	735	12:15	3	1.038	A BB	85833.	50.000	UG/L	1.20
50	165	753	12:33	3	1.064	A BB	20382.	50.000	UG/L	1.20

010384

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	4:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	7:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	11:48	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	15:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	21:06	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	24:08	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:12	1.00	0.468	1.00	50.00	50.00	1.550	1.550	1.00
8	4:36	1.00	0.979	1.00	50.00	50.00	2.104	2.104	1.00
9	13:39	1.00	1.157	1.00	50.00	50.00	0.141	0.141	1.00
10	6:11	1.00	0.796	1.00	50.00	50.00	0.456	0.456	1.00
11	10:26	1.00	0.884	1.00	50.00	50.00	1.442	1.442	1.00
12	18:54	1.00	0.896	1.00	50.00	50.00	1.218	1.218	1.00
13	4:38	1.00	0.986	1.00	50.00	50.00	1.967	1.967	1.00
14	4:21	1.00	0.926	1.00	50.00	50.00	1.683	1.683	1.00
15	4:24	1.00	0.936	1.00	50.00	50.00	1.483	1.483	1.00
16	4:35	1.00	0.975	1.00	50.00	50.00	1.546	1.546	1.00
17	4:44	1.00	1.007	1.00	50.00	50.00	1.615	1.615	1.00
18	5:26	1.00	1.156	1.00	50.00	50.00	0.463	0.463	1.00
19	5:11	1.00	1.103	1.00	50.00	50.00	1.556	1.556	1.00
20	6:02	1.00	1.284	1.00	50.00	50.00	1.298	1.298	1.00
21	5:43	1.00	1.216	1.00	50.00	50.00	2.615	2.615	1.00
22	6:24	1.00	1.362	1.00	50.00	50.00	1.363	1.363	1.00
23	6:08	1.00	1.305	1.00	50.00	50.00	1.321	1.321	1.00
24	5:53	1.00	1.252	1.00	50.00	50.00	0.639	0.639	1.00
25	6:14	1.00	0.803	1.00	50.00	50.00	0.426	0.426	1.00
26	6:53	1.00	0.886	1.00	50.00	50.00	0.898	0.898	1.00
27	7:00	1.00	0.901	1.00	50.00	50.00	0.190	0.190	1.00
28	7:33	1.00	0.972	1.00	50.00	50.00	0.269	0.269	1.00
29	8:21	1.00	1.075	1.00	50.00	50.00	0.159	0.159	1.00
30	7:36	1.00	0.979	1.00	50.00	50.00	0.583	0.583	1.00
31	7:44	1.00	0.996	1.00	50.00	50.00	0.250	0.250	1.00
32	7:43	1.00	0.994	1.00	50.00	50.00	0.253	0.253	1.00
33	7:48	1.00	1.004	1.00	61.00	61.00	0.824	0.824	1.00
34	8:12	1.00	1.056	1.00	50.00	50.00	0.362	0.362	1.00
35	8:21	1.00	1.075	1.00	50.00	50.00	0.116	0.116	1.00
36	9:41	1.00	1.247	1.00	50.00	50.00	0.327	0.327	1.00
37	9:26	1.00	1.215	1.00	50.00	50.00	0.714	0.714	1.00
38	10:00	1.00	0.847	1.00	50.00	50.00	0.236	0.236	1.00
39	10:20	1.00	0.876	1.00	50.00	50.00	0.359	0.359	1.00
40	10:28	1.00	0.887	1.00	50.00	50.00	0.428	0.428	1.00
41	10:31	1.00	0.891	1.00	50.00	50.00	1.367	1.367	1.00
42	11:01	1.00	0.934	1.00	50.00	50.00	0.569	0.569	1.00
43	11:37	1.00	0.984	1.00	50.00	50.00	1.531	1.531	1.00
44	11:26	1.00	0.969	1.00	50.00	50.00	2.063	2.063	1.00
45	12:01	1.00	1.018	1.00	50.00	50.00	0.283	0.283	1.00
46	11:52	1.00	1.006	1.00	50.00	50.00	1.237	1.237	1.00
47	12:12	1.00	1.034	1.00	50.00	50.00	0.164	0.164	1.00
48	12:51	1.00	1.089	1.00	50.00	50.00	0.125	0.125	1.00
49	12:15	1.00	1.038	1.00	50.00	50.00	1.747	1.747	1.00
50	12:33	1.00	1.064	1.00	50.00	50.00	0.415	0.415	1.00

010385

Quantitation Report File: ES0526C02

Data: ES0526C02.TI
05/26/93 8:21:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	702	11:42	3	0.992	A VV	13167.	50.000 UG/L	1.20
52	149	795	13:15	3	1.123	A VB	79758.	50.000 UG/L	1.20
53	204	790	13:10	3	1.116	A BB	29272.	50.000 UG/L	1.20
54	166	781	13:01	3	1.103	A BB	58859.	50.000 UG/L	1.20
55	138	804	13:24	3	1.136	A BB	10053.	50.000 UG/L	1.20
56	198	807	13:27	4	0.893	A BB	10259.	50.000 UG/L	1.20
57	169	811	13:31	4	0.897	A VB	42156.	50.000 UG/L	1.20
58	248	853	14:13	4	0.944	A BB	14659.	50.000 UG/L	1.20
59	284	865	14:25	4	0.957	A BB	15480.	50.000 UG/L	1.20

010386

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	899	14:59	4	0.994	A BB	9430.	50.000 UG/L	1.20
61	178	907	15:07	4	1.003	A BV	95471.	50.000 UG/L	1.20
62	178	913	15:13	4	1.010	A VB	65039.	50.000 UG/L	1.20
63	149	1017	16:57	4	1.125	A VB	133210.	50.000 UG/L	1.20
64	202	1068	17:48	4	1.181	A BB	73636.	50.000 UG/L	1.20
65	202	1095	18:15	5	0.865	A BB	75868.	50.000 UG/L	1.20
66	149	1218	20:18	5	0.962	A BB	55164.	50.000 UG/L	1.20
67	252	1275	21:15	5	1.007	M XX	8697.	50.000 UG/L	1.20
68	228	1264	21:04	5	0.998	M XX	83116.	50.000 UG/L	1.20
69	149	1310	21:50	5	1.035	A VB	85093.	50.000 UG/L	1.20
70	228	1270	21:10	5	1.003	M XX	46982.	50.000 UG/L	1.20
71	149	1391	23:11	6	0.961	M XX	148377.	50.000 UG/L	1.20
72	252	1404	23:24	6	0.970	M XX	83491.	50.000 UG/L	1.20
73	252	1408	23:28	6	0.972	M XX	43272.	50.000 UG/L	1.20
74	252	1441	24:01	6	0.995	A BB	54671.	50.000 UG/L	1.20
75	276	1565	26:05	6	1.081	M XX	53139.	50.000 UG/L	1.20
76	278	1570	26:10	6	1.084	M XX	45954.	50.000 UG/L	1.20
77	276	1590	26:30	6	1.098	A BB	48772.	50.000 UG/L	1.20
78	74	58	0:58	1	0.206	A VB	39259.	50.000 UG/L	1.20
79	132	262	4:22	1	0.929	A BB	58512.	50.000 UG/L	1.20
80	152	309	5:09	1	1.096	A BB	27570.	50.000 UG/L	1.20
81	167	945	15:45	4	1.045	A BB	41181.	50.000 UG/L	1.20
82	93	246	4:06	1	0.872	M XX	55417.	50.000 UG/L	1.20
83	79	58	0:58	1	0.206	M XX	50644.	50.000 UG/L	1.20
84	77	810	13:30	4	0.896	M XX	114054.	50.000 UG/L	1.20

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	11:42	1.00	0.992	1.00	50.00	50.00	0.268	0.268	1.00
52	13:15	1.00	1.123	1.00	50.00	50.00	1.624	1.624	1.00
53	13:10	1.00	1.116	1.00	50.00	50.00	0.596	0.596	1.00
54	13:01	1.00	1.103	1.00	50.00	50.00	1.198	1.198	1.00
55	13:24	1.00	1.136	1.00	50.00	50.00	0.205	0.205	1.00
56	13:27	1.00	0.893	1.00	50.00	50.00	0.130	0.130	1.00
57	13:31	1.00	0.897	1.00	50.00	50.00	0.534	0.534	1.00
58	14:13	1.00	0.944	1.00	50.00	50.00	0.186	0.186	1.00
59	14:25	1.00	0.957	1.00	50.00	50.00	0.196	0.196	1.00
60	14:59	1.00	0.994	1.00	50.00	50.00	0.119	0.119	1.00
61	15:07	1.00	1.003	1.00	50.00	50.00	1.209	1.209	1.00
62	15:13	1.00	1.010	1.00	50.00	50.00	0.823	0.823	1.00
63	16:57	1.00	1.125	1.00	50.00	50.00	1.686	1.686	1.00
64	17:48	1.00	1.181	1.00	50.00	50.00	0.932	0.932	1.00
65	18:15	1.00	0.865	1.00	50.00	50.00	1.339	1.339	1.00
66	20:18	1.00	0.962	1.00	50.00	50.00	0.974	0.974	1.00
67	21:15	1.00	1.007	1.00	50.00	50.00	0.154	0.154	1.00
68	21:04	1.00	0.998	1.00	50.00	50.00	1.467	1.467	1.00
69	21:50	1.00	1.035	1.00	50.00	50.00	1.502	1.502	1.00
70	21:10	1.00	1.003	1.00	50.00	50.00	0.829	0.829	1.00
71	23:11	1.00	0.961	1.00	50.00	50.00	3.061	3.061	1.00
72	23:24	1.00	0.970	1.00	50.00	50.00	1.722	1.722	1.00
73	23:28	1.00	0.972	1.00	50.00	50.00	0.893	0.893	1.00
74	24:01	1.00	0.995	1.00	50.00	50.00	1.128	1.128	1.00
75	26:05	1.00	1.081	1.00	50.00	50.00	1.096	1.096	1.00
76	26:10	1.00	1.084	1.00	50.00	50.00	0.948	0.948	1.00
77	26:30	1.00	1.098	1.00	50.00	50.00	1.006	1.006	1.00
78	0:58	1.00	0.206	1.00	50.00	50.00	1.342	1.342	1.00
79	4:22	1.00	0.929	1.00	50.00	50.00	2.000	2.000	1.00

010387

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
80	5:09	1.00	1.096	1.00	50.00	50.00	0.942	0.942	1.00
81	15:45	1.00	1.045	1.00	50.00	50.00	0.521	0.521	1.00
82	4:06	1.00	0.872	1.00	50.00	50.00	1.894	1.894	1.00
83	0:58	1.00	0.206	1.00	50.00	50.00	1.731	1.731	1.00
84	13:30	1.00	0.896	1.00	50.00	50.00	1.444	1.444	1.00

010388

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --- CONTRACT LAB: KEYSTONE

CONTRACT NO. --- INSTRUMENT IDENTIFIER: 4510

CALIBRATION DATE: 05/12/93

STANDARD FILE: FS0525C02A

DATE: 05/25/93 TIME: 15:03

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(D)	% D
C315	PHENOL	1.825	2.086	14.295
C325	BIS(2-CHLOROETHYL)ETHE	1.732	1.497	-13.585
C330	2-CHLOROPHENOL	1.492	1.407	-5.653
C335	1,3-DICHLOROBENZENE	1.568	1.476	-5.915
C340	1,4-DICHLOROBENZENE	1.648	1.535	-6.891
C345	BENZYL ALCOHOL	0.684	0.791	15.778
C350	1,2-DICHLOROBENZENE	1.516	1.468	-3.216
C355	2-METHYLPHENOL	1.471	1.511	2.703
C357	2,2'-OXYBIS(1-CHLOROPR	2.337	2.213	-5.284
C365	4-METHYLPHENOL	1.564	1.600	2.252
C370	N-NITROSODIPROPYLAMINE	1.131	1.137	0.499
C375	HEXACHLOROETHANE	0.595	0.575	-3.369
C410	NITROBENZENE	0.355	0.405	14.130
C415	ISOPHORONE	0.750	0.656	-12.558
C420	2-NITROPHENOL	0.213	0.199	-6.564
C425	2,4-DIMETHYLPHENOL	0.275	0.265	-3.494
C430	BENZOIC ACID	0.206	0.214	3.631
C435	BIS(2-CHLOROETHOXY)MET	0.530	0.475	-10.329
C440	2,4-DICHLOROPHENOL	0.286	0.274	-4.489
C445	1,2,4-TRICHLOROBENZENE	0.298	0.274	-7.941
C450	NAPHTHALENE	1.104	0.935	-15.279
C455	4-CHLOROANILINE	0.503	0.486	-3.326
C460	HEXACHLOROBUTADIENE	0.120	0.110	-8.565
C465	P-CHLORO-M-CRESOL	0.284	0.291	2.553
C470	2-METHYLNAPHTHALENE	1.113	1.133	1.799
C510	HEXACHLOROCYCLOPENTADI	0.257	0.199	-22.385
C515	2,4,6-TRICHLOROPHENOL	0.379	0.323	-14.790
C520	2,4,5-TRICHLOROPHENOL	0.376	0.319	-15.144
C525	2-CHLORONAPHTHALENE	1.298	1.028	-20.763
C530	2-NITROANILINE	0.362	0.322	-11.130
C535	DIMETHYL PHTHALATE	1.328	1.168	-12.024
C540	ACENAPHTHYLENE	1.922	1.500	-21.951
C545	3-NITROANILINE	0.402	0.370	-7.874
C550	ACENAPHTHENE	1.059	0.855	-19.238
C555	2,4-DINITROPHENOL	0.172	0.155	-10.186
C560	4-NITROPHENOL	0.066	0.071	7.472
C565	DIBENZOFURAN	1.637	1.456	-11.055
C570	2,4-DINITROTOLUENE	0.392	0.347	-11.558
C573	2,6-DINITROTOLUENE	0.329	0.284	-13.638
C580	DIETHYL PHTHALATE	1.279	1.187	-7.253
C585	4-CHLOROPHENYL PHENYL	0.682	0.662	-2.929
C590	FLUORENE	1.313	1.095	-16.596
C595	4-NITROANILINE	0.371	0.343	-7.390
C610	4,6-DINITRO-2-METHYLPH	0.159	0.137	-14.049
C615	N-NITROSODIPHENYLAMINE	0.734	0.612	-16.576
C625	4-BROMOPHENYL PHENYL E	0.213	0.188	-11.725
C630	HEXACHLOROBENZENE	0.187	0.162	-13.397
C635	PENTACHLOROPHENOL	0.120	0.114	-5.616
C640	PHENANTHRENE	1.222	1.020	-16.486
C645	ANTHRACENE	1.197	1.045	-12.722
C650	DI-N-BUTYL PHTHALATE	1.505	1.502	-0.211
C655	FLUORANTHENE	1.069	1.049	-1.886

010389

C715	PYRENE	1.674	1.344	-19.712
C720	BUTYL BENZYL PHTHALATE	0.873	0.781	-10.509
C725	3,3'-DICHLOROBENZIDINE	0.474	0.395	-16.683
C730	BENZO(A)ANTHRACENE	1.401	1.161	-17.133
C745	BIS(2-ETHYLHEXYL)PHTHA	1.244	1.136	-8.701
C740	CHRYSENE	1.128	0.979	-13.208
C760	DI-N-OCTYL PHTHALATE	2.348	2.214	-5.695
C765	BENZO(B)FLUORANTHENE	1.643	1.451	-11.658
C770	BENZO(K)FLUORANTHENE	1.150	0.969	-15.765
C775	BENZO(A)PYRENE	1.166	1.023	-12.246
C780	INDENO(1,2,3-CD)PYRENE	0.953	0.828	-13.076
C785	DIBENZO(A,H)ANTHRACENE	0.946	0.806	-14.831
C790	BENZO(GHI)PERYLENE	0.950	0.869	-8.480
C310	N-NITROSODIMETHYLAMINE	0.920	1.321	43.634
C620	1,2-DIPHENYL-HYDRAZINE	1.056	1.143	8.227
CS70	2-CHLOROPHENOL-D4 ** S	1.872	2.032	8.548
CS75	1,2-DICHLOROBENZENE-D4	0.863	0.911	5.649
C647	CARBAZOLE	1.152	1.095	-4.932
CS50	2-FLUOROPHENOL ** SU1	1.442	1.606	11.346
CS45	PHENOL-D5 ** SU2 **	2.019	2.090	3.545
CS55	2,4,6-TRIBROMOPHENOL	0.116	0.132	14.246
CS20	NITROBENZENE-D5 ** SU3	0.327	0.338	3.475
CS25	2-FLUOROBIPHENYL ** SU	1.344	1.172	-12.844
CS30	TERPHENYL-D14 ** SU6	1.293	1.166	-9.816

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

010389

CHESTER DC # ----17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0525C02A

CLIENT CHESTER ANALYST JDD

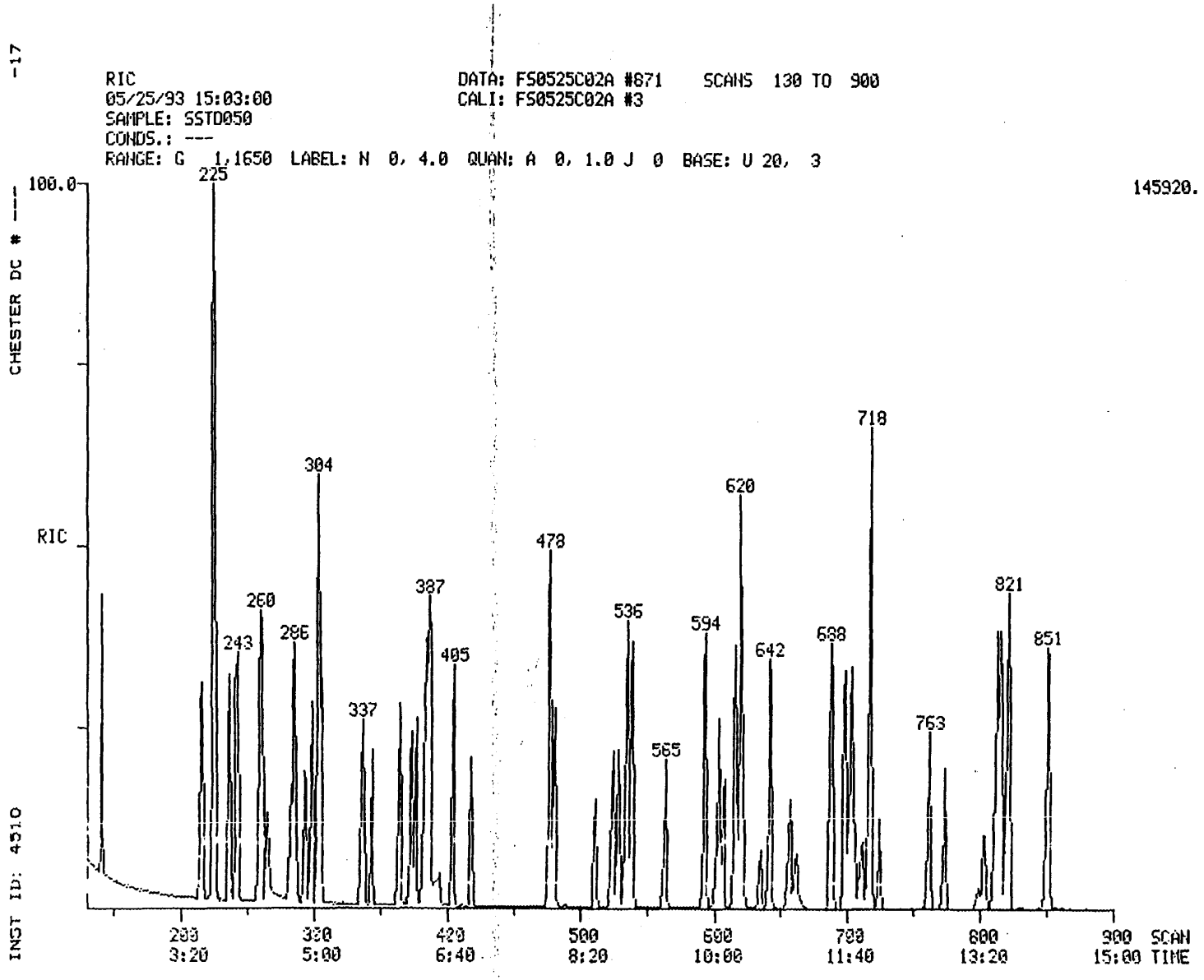
DATE INJECTED 05/25/93 15:03:00 VERFIED BY

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	241	40	12098	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	385	40	52924	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	616	40	33924	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	812	40	54885	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1176	40	44965	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1358	40	40682	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	141	50	24283	0.585	1.606
CS45	PHENOL-D5 ** SU2 **	99	225	50	31608	0.934	2.090
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	725	50	5615	1.177	0.132
CS20	NITROBENZENE-D5 ** SU3 **	82	304	50	22376	0.790	0.338
CS25	2-FLUOROBIPHENYL ** SU4 **	172	536	50	49678	0.870	1.172
CS30	TERPHENYL-D14 ** SU6 **	244	1045	50	65542	0.889	1.166
C315	PHENOL	94	226	50	31546	0.938	2.086
C325	BIS(2-CHLOROETHYL)ETHER	93	225	50	22635	0.934	1.497
C330	2-CHLOROPHENOL	128	225	50	21280	0.934	1.407
C335	1,3-DICHLOROBENZENE	146	237	50	22315	0.983	1.476
C340	1,4-DICHLOROBENZENE	146	243	50	23210	1.008	1.535
C345	BENZYL ALCOHOL	108	265	50	11969	1.100	0.791
C350	1,2-DICHLOROBENZENE	146	261	50	22193	1.083	1.468
C355	2-METHYLPHENOL	108	286	50	22847	1.187	1.511
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	283	50	33470	1.174	2.213
C365	4-METHYLPHENOL	108	304	50	24190	1.261	1.600
C370	N-NITROSODIPROPYLAMINE	70	299	50	17189	1.241	1.137
C375	HEXACHLOROETHANE	117	293	50	8694	1.216	0.575
C410	NITROBENZENE	77	306	50	26822	0.795	0.405
C415	ISOPHORONE	82	337	50	43407	0.875	0.656
C420	2-NITROPHENOL	139	344	50	13150	0.894	0.199
C425	2,4-DIMETHYLPHENOL	107	365	50	17561	0.948	0.265
C430	BENZOIC ACID	122	395	50	14155	1.026	0.214
C435	BIS(2-CHLOROETHOXY)METHANE	93	374	50	31454	0.971	0.475
C440	2,4-DICHLOROPHENOL	162	377	50	18100	0.979	0.274
C445	1,2,4-TRICHLOROBENZENE	180	383	50	18141	0.995	0.274
C450	NAPHTHALENE	128	387	50	61853	1.005	0.935
C455	4-CHLOROANILINE	127	405	50	32177	1.052	0.486
C460	HEXACHLOROBUTADIENE	225	418	50	7264	1.086	0.110
C465	P-CHLORO-M-CRESOL	107	481	50	19254	1.249	0.291
C470	2-METHYLNAPHTHALENE	142	478	50	74973	1.242	1.133
C510	HEXACHLOROCYCLOPENTADIENE	237	512	50	8439	0.831	0.199
C515	2,4,6-TRICHLOROPHENOL	196	525	50	13677	0.852	0.323
C520	2,4,5-TRICHLOROPHENOL	196	529	50	13522	0.859	0.319
C525	2-CHLORONAPHTHALENE	162	540	50	43606	0.877	1.028
C530	2-NITROANILINE	65	565	50	13649	0.917	0.322
C535	DIMETHYL PHTHALATE	163	604	50	49532	0.981	1.168
C540	ACENAPHTHYLENE	152	594	50	63604	0.964	1.500
C545	3-NITROANILINE	138	622	50	15694	1.010	0.370
C550	ACENAPHTHENE	153	620	50	36249	1.006	0.855

SV STANDARD REPORT PAGE 2

DATAFILE FS0525C02A

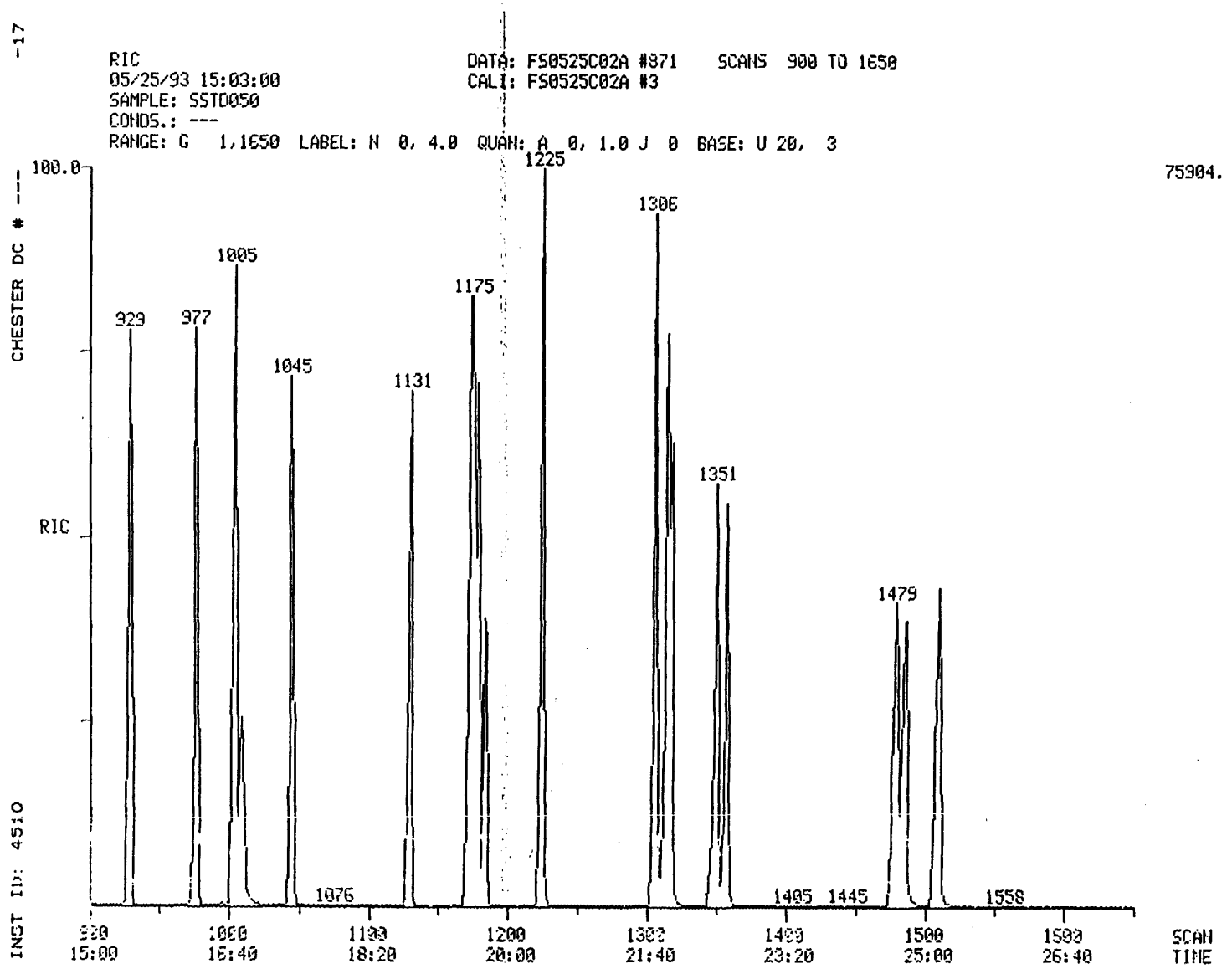
	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	635	50	6552	1.031	0.155
C560	4-NITROPHENOL	109	662	50	3031	1.075	0.071
C565	DIBENZOFURAN	168	642	50	61756	1.042	1.456
C570	2,4-DINITROTOLUENE	165	657	50	14694	1.067	0.347
C543	2,6-DINITROTOLUENE	165	607	50	12055	0.985	0.284
C580	DIETHYL PHTHALATE	149	704	50	50315	1.143	1.187
C585	4-CHLOROPHENYL PHENYL ETHER	204	698	50	28068	1.133	0.662
C590	FLUORENE	166	688	50	46449	1.117	1.095
C595	4-NITROANILINE	138	705	50	14553	1.144	0.343
C610	4,6-DINITRO-2-METHYLPHENOL	198	711	50	9397	0.876	0.137
C615	N-NITROSODIPHENYLAMINE	169	718	50	42008	0.884	0.612
C625	4-BROMOPHENYL PHENYL ETHER	248	762	50	12913	0.938	0.188
C630	HEXACHLOROBENZENE	284	774	50	11128	0.953	0.162
C635	PENTACHLOROPHENOL	266	803	50	7791	0.989	0.114
C640	PHENANTHRENE	178	815	50	69988	1.004	1.020
C645	ANTHRACENE	178	821	50	71687	1.011	1.045
C650	DI-N-BUTYL PHTHALATE	149	929	50	103064	1.144	1.502
C655	FLUORANTHENE	202	977	50	71968	1.203	1.049
C715	PYRENE	202	1005	50	75533	0.855	1.344
C720	BUTYL BENZYL PHTHALATE	149	1131	50	43923	0.962	0.781
C725	3,3'-DICHLOROBENZIDINE	252	1184	50	22212	1.007	0.395
C730	BENZO(A)ANTHRACENE	228	1174	50	65232	0.998	1.161
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1225	50	63859	1.042	1.136
C740	CHRYSENE	228	1179	50	55010	1.003	0.979
C760	DI-N-OCTYL PHTHALATE	149	1306	50	112594	0.962	2.214
C765	BENZO(B)FLUORANTHENE	252	1315	50	73803	0.968	1.451
C770	BENZO(K)FLUORANTHENE	252	1317	50	49253	0.970	0.969
C775	BENZO(A)PYRENE	252	1350	50	52047	0.994	1.023
C780	INDENO(1,2,3-CD)PYRENE	276	1479	50	42131	1.089	0.828
C785	DIBENZO(A,H)ANTHRACENE	278	1485	50	40964	1.094	0.806
C790	BENZO(GHI)PERYLENE	276	1510	50	44188	1.112	0.869
C620	1,2-DIPHENYL-HYDRAZINE						



000163

010392

010392


-17
RIC
05/25/93 15:03:00
SAMPLE: SSTD050
CONDS.: ---
RANGE: G 1,1650 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: FS0525C02A #871 SCANS 900 TO 1650
CALI: FS0525C02A #3
75904.
CHESTER DC # ---
INST ID: 4510
100.0
RIC
929
977
1005
1045
1076
1131
1175
1225
1306
1351
1405
1445
1479
1558
900 15:00
1000 16:40
1100 18:20
1200 20:00
1300 21:40
1400 23:20
1500 25:00
1600 26:40
SCAN TIME

010393

010394

Quantitation Report File: FS0525C02A

Data: FS0525C02A.TI
05/25/93 15:03:00
Sample: SSfD050
Conds.: ---
Formula: 05/12/93 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	C130	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

010394

010395

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	241	4:01	1	1.000	A BB	12098.	40.000 UG/L	0.99
2	136	385	6:25	2	1.000	A BB	52924.	40.000 UG/L	0.99
3	164	616	10:16	3	1.000	A BB	33924.	40.000 UG/L	0.99
4	168	812	13:32	4	1.000	A BB	54885.	40.000 UG/L	0.99
5	240	1176	19:36	5	1.000	A BB	44965.	40.000 UG/L	0.99
6	264	1358	22:38	6	1.000	A BB	40682.	40.000 UG/L	0.99
7	112	141	2:21	1	0.585	A BB	24283.	50.000 UG/L	1.24
8	99	225	3:45	1	0.934	A BB	31608.	50.000 UG/L	1.24
9	330	725	12:05	3	1.177	A BB	5615.	50.000 UG/L	1.24
10	82	304	5:04	2	0.790	A BB	22376.	50.000 UG/L	1.24
11	172	536	8:56	3	0.870	A BB	49678.	50.000 UG/L	1.24
12	244	1045	17:25	5	0.889	A BB	65542.	50.000 UG/L	1.24
13	94	226	3:46	1	0.938	A BB	31546.	50.000 UG/L	1.24
14	93	225	3:45	1	0.934	A BB	22635.	50.000 UG/L	1.24
15	128	225	3:45	1	0.934	A BB	21280.	50.000 UG/L	1.24
16	146	237	3:57	1	0.983	A BB	22315.	50.000 UG/L	1.24
17	146	243	4:03	1	1.008	A BB	23210.	50.000 UG/L	1.24
18	108	265	4:25	1	1.100	A BB	11969.	50.000 UG/L	1.24
19	146	261	4:21	1	1.083	A BB	22193.	50.000 UG/L	1.24
20	108	286	4:46	1	1.187	A BB	22846.	50.000 UG/L	1.24
21	45	283	4:43	1	1.174	A BB	33470.	50.000 UG/L	1.24
22	108	304	5:04	1	1.261	A BB	24190.	50.000 UG/L	1.24
23	70	299	4:59	1	1.241	A BB	17189.	50.000 UG/L	1.24
24	117	293	4:53	1	1.216	A BB	8694.	50.000 UG/L	1.24
25	77	306	5:06	2	0.795	A BB	26822.	50.000 UG/L	1.24
26	82	337	5:37	2	0.875	A BB	43407.	50.000 UG/L	1.24
27	139	344	5:44	2	0.894	A BB	13150.	50.000 UG/L	1.24
28	107	365	6:05	2	0.948	A BB	17561.	50.000 UG/L	1.24
29	122	395	6:35	2	1.026	M XX	14155.	50.000 UG/L	1.24
30	93	374	6:14	2	0.971	A BB	31454.	50.000 UG/L	1.24
31	162	377	6:17	2	0.979	A BB	18100.	50.000 UG/L	1.24
32	180	383	6:23	2	0.995	A BB	18141.	50.000 UG/L	1.24
33	128	387	6:27	2	1.005	A BB	61853.	50.000 UG/L	1.24
34	127	405	6:45	2	1.052	A BB	32177.	50.000 UG/L	1.24
35	225	418	6:58	2	1.086	A BB	7264.	50.000 UG/L	1.24
36	107	481	8:01	2	1.249	A BB	19254.	50.000 UG/L	1.24
37	142	478	7:58	2	1.242	A BB	74973.	50.000 UG/L	1.24
38	237	512	8:32	3	0.831	A BB	8439.	50.000 UG/L	1.24
39	196	525	8:45	3	0.852	A BV	13677.	50.000 UG/L	1.24
40	196	529	8:49	3	0.859	A VB	13522.	50.000 UG/L	1.24
41	162	540	9:00	3	0.877	A BB	43606.	50.000 UG/L	1.24
42	65	565	9:25	3	0.917	A BB	13649.	50.000 UG/L	1.24
43	163	604	10:04	3	0.981	A BB	49532.	50.000 UG/L	1.24
44	152	594	9:54	3	0.964	A BB	63604.	50.000 UG/L	1.24
45	138	622	10:22	3	1.010	A BB	15694.	50.000 UG/L	1.24
46	153	620	10:20	3	1.006	A BB	36249.	50.000 UG/L	1.24
47	184	635	10:35	3	1.031	A BB	6552.	50.000 UG/L	1.24
48	109	662	11:02	3	1.075	A BB	3031.	50.000 UG/L	1.24
49	168	642	10:42	3	1.042	A BB	61756.	50.000 UG/L	1.24
50	165	657	10:57	3	1.067	A BB	14694.	50.000 UG/L	1.24

010396

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	4:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:25	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	10:16	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	13:32	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	19:36	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	22:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:21	1.00	0.585	1.00	50.00	50.00	1.606	1.606	1.00
8	3:45	1.00	0.934	1.00	50.00	50.00	2.090	2.090	1.00
9	12:05	1.00	1.177	1.00	50.00	50.00	0.132	0.132	1.00
10	5:04	1.00	0.790	1.00	50.00	50.00	0.338	0.338	1.00
11	8:56	1.00	0.870	1.00	50.00	50.00	1.172	1.172	1.00
12	17:25	1.00	0.889	1.00	50.00	50.00	1.166	1.166	1.00
13	3:46	1.00	0.938	1.00	50.00	50.00	2.086	2.086	1.00
14	3:45	1.00	0.934	1.00	50.00	50.00	1.497	1.497	1.00
15	3:45	1.00	0.934	1.00	50.00	50.00	1.407	1.407	1.00
16	3:57	1.00	0.983	1.00	50.00	50.00	1.476	1.476	1.00
17	4:03	1.00	1.008	1.00	50.00	50.00	1.535	1.535	1.00
18	4:25	1.00	1.100	1.00	50.00	50.00	0.791	0.791	1.00
19	4:21	1.00	1.083	1.00	50.00	50.00	1.468	1.468	1.00
20	4:46	1.00	1.187	1.00	50.00	50.00	1.511	1.511	1.00
21	4:43	1.00	1.174	1.00	50.00	50.00	2.213	2.213	1.00
22	5:04	1.00	1.261	1.00	50.00	50.00	1.600	1.600	1.00
23	4:59	1.00	1.241	1.00	50.00	50.00	1.137	1.137	1.00
24	4:53	1.00	1.216	1.00	50.00	50.00	0.575	0.575	1.00
25	5:06	1.00	0.795	1.00	50.00	50.00	0.405	0.405	1.00
26	5:37	1.00	0.875	1.00	50.00	50.00	0.656	0.656	1.00
27	5:44	1.00	0.894	1.00	50.00	50.00	0.199	0.199	1.00
28	6:05	1.00	0.948	1.00	50.00	50.00	0.265	0.265	1.00
29	6:35	1.00	1.026	1.00	50.00	50.00	0.214	0.214	1.00
30	6:14	1.00	0.971	1.00	50.00	50.00	0.475	0.475	1.00
31	6:17	1.00	0.979	1.00	50.00	50.00	0.274	0.274	1.00
32	6:23	1.00	0.995	1.00	50.00	50.00	0.274	0.274	1.00
33	6:27	1.00	1.005	1.00	50.00	50.00	0.935	0.935	1.00
34	6:45	1.00	1.052	1.00	50.00	50.00	0.486	0.486	1.00
35	6:58	1.00	1.086	1.00	50.00	50.00	0.110	0.110	1.00
36	8:01	1.00	1.249	1.00	50.00	50.00	0.291	0.291	1.00
37	7:58	1.00	1.242	1.00	50.00	50.00	1.133	1.133	1.00
38	8:32	1.00	0.831	1.00	50.00	50.00	0.199	0.199	1.00
39	8:45	1.00	0.852	1.00	50.00	50.00	0.323	0.323	1.00
40	8:49	1.00	0.859	1.00	50.00	50.00	0.319	0.319	1.00
41	9:00	1.00	0.877	1.00	50.00	50.00	1.028	1.028	1.00
42	9:25	1.00	0.917	1.00	50.00	50.00	0.322	0.322	1.00
43	10:04	1.00	0.981	1.00	50.00	50.00	1.168	1.168	1.00
44	9:54	1.00	0.964	1.00	50.00	50.00	1.500	1.500	1.00
45	10:22	1.00	1.010	1.00	50.00	50.00	0.370	0.370	1.00
46	10:20	1.00	1.006	1.00	50.00	50.00	0.855	0.855	1.00
47	10:35	1.00	1.031	1.00	50.00	50.00	0.155	0.155	1.00
48	11:02	1.00	1.075	1.00	50.00	50.00	0.071	0.071	1.00
49	10:42	1.00	1.042	1.00	50.00	50.00	1.456	1.456	1.00
50	10:57	1.00	1.067	1.00	50.00	50.00	0.347	0.347	1.00

Quantitation Report File: FS0525C02A

Data: FS0525C02A.TI
05/25/93 15:03:00
Sample: SSTD050
Conds.: ---
Formula: 05/12/93 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	C570	2-CHLOROPHENOL-D4 ** SU7 **	
81	C575	1,2-DICHLOROBENZENE-D4 ** SU8 **	
82	C647	CARBAZOLE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	607	10:07	3	0.985	A BB	12055.	50.000 UG/L	1.24
52	149	704	11:44	3	1.143	A BB	50315.	50.000 UG/L	1.24
53	204	698	11:38	3	1.133	A BB	28068.	50.000 UG/L	1.24
54	166	688	11:28	3	1.117	A BB	46449.	50.000 UG/L	1.24
55	138	705	11:45	3	1.144	A BB	14553.	50.000 UG/L	1.24
56	198	711	11:51	4	0.876	A BB	9397.	50.000 UG/L	1.24
57	169	718	11:58	4	0.884	A BB	42008.	50.000 UG/L	1.24
58	248	762	12:42	4	0.938	A BB	12913.	50.000 UG/L	1.24
59	284	774	12:54	4	0.953	A BB	11128.	50.000 UG/L	1.24
60	266	803	13:23	4	0.989	A BB	7791.	50.000 UG/L	1.24
61	178	815	13:35	4	1.004	A BV	69988.	50.000 UG/L	1.24

010397

010397

010398

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
62	178	821	13:41	4	1.011	A VB	71687.	50.000 UG/L	1.24
63	149	929	15:29	4	1.144	A BB	103064.	50.000 UG/L	1.24
64	202	977	16:17	4	1.203	A BB	71968.	50.000 UG/L	1.24
65	202	1005	16:45	5	0.855	A BB	75533.	50.000 UG/L	1.24
66	149	1131	18:51	5	0.962	A BB	43923.	50.000 UG/L	1.24
67	202	1184	19:44	5	1.007	A BB	22212.	50.000 UG/L	1.24
68	208	1174	19:34	5	0.998	A BV	65232.	50.000 UG/L	1.24
69	149	1225	20:25	5	1.042	A BB	63859.	50.000 UG/L	1.24
70	208	1179	19:39	5	1.003	A VB	55010.	50.000 UG/L	1.24
71	149	1306	21:46	6	0.962	A BB	112594.	50.000 UG/L	1.24
72	202	1315	21:55	6	0.968	M XX	73803.	50.000 UG/L	1.24
73	202	1317	21:57	6	0.970	M XX	49253.	50.000 UG/L	1.24
74	202	1350	22:30	6	0.994	A BB	52047.	50.000 UG/L	1.24
75	276	1479	24:39	6	1.089	M XX	42131.	50.000 UG/L	1.24
76	278	1485	24:45	6	1.094	A BB	40964.	50.000 UG/L	1.24
77	276	1510	25:10	6	1.112	A BB	44188.	50.000 UG/L	1.24
78	74	69	1:09	1	0.286	A BB	19979.	50.000 UG/L	1.24
79	184	1009	16:49	5	0.858	A BB	42823.	50.000 UG/L	1.24
80	132	224	3:44	1	0.929	A BB	30722.	50.000 UG/L	1.24
81	152	259	4:19	1	1.075	M XX	13781.	50.000 UG/L	1.24
82	167	851	14:11	4	1.048	A BB	75110.	50.000 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	10:07	1.00	0.985	1.00	50.00	50.00	0.284	0.284	1.00
52	11:44	1.00	1.143	1.00	50.00	50.00	1.187	1.187	1.00
53	11:38	1.00	1.133	1.00	50.00	50.00	0.662	0.662	1.00
54	11:28	1.00	1.117	1.00	50.00	50.00	1.095	1.095	1.00
55	11:45	1.00	1.144	1.00	50.00	50.00	0.343	0.343	1.00
56	11:51	1.00	0.876	1.00	50.00	50.00	0.137	0.137	1.00
57	11:58	1.00	0.884	1.00	50.00	50.00	0.612	0.612	1.00
58	12:42	1.00	0.938	1.00	50.00	50.00	0.188	0.188	1.00
59	12:54	1.00	0.953	1.00	50.00	50.00	0.162	0.162	1.00
60	13:23	1.00	0.989	1.00	50.00	50.00	0.114	0.114	1.00
61	13:35	1.00	1.004	1.00	50.00	50.00	1.020	1.020	1.00
62	13:41	1.00	1.011	1.00	50.00	50.00	1.045	1.045	1.00
63	15:29	1.00	1.144	1.00	50.00	50.00	1.502	1.502	1.00
64	16:17	1.00	1.203	1.00	50.00	50.00	1.049	1.049	1.00
65	16:45	1.00	0.855	1.00	50.00	50.00	1.344	1.344	1.00
66	18:51	1.00	0.962	1.00	50.00	50.00	0.781	0.781	1.00
67	19:44	1.00	1.007	1.00	50.00	50.00	0.395	0.395	1.00
68	19:34	1.00	0.998	1.00	50.00	50.00	1.161	1.161	1.00
69	20:25	1.00	1.042	1.00	50.00	50.00	1.136	1.136	1.00
70	19:39	1.00	1.003	1.00	50.00	50.00	0.979	0.979	1.00
71	21:46	1.00	0.962	1.00	50.00	50.00	2.214	2.214	1.00
72	21:55	1.00	0.968	1.00	50.00	50.00	1.451	1.451	1.00
73	21:57	1.00	0.970	1.00	50.00	50.00	0.969	0.969	1.00
74	22:30	1.00	0.994	1.00	50.00	50.00	1.023	1.023	1.00
75	24:39	1.00	1.089	1.00	50.00	50.00	0.828	0.828	1.00
76	24:45	1.00	1.094	1.00	50.00	50.00	0.806	0.806	1.00
77	25:10	1.00	1.112	1.00	50.00	50.00	0.869	0.869	1.00
78	1:09	1.00	0.286	1.00	50.00	50.00	1.321	1.321	1.00
79	16:49	1.00	0.858	1.00	50.00	50.00	0.762	0.762	1.00
80	3:44	1.00	0.929	1.00	50.00	50.00	2.032	2.032	1.00
81	4:19	1.00	1.075	1.00	50.00	50.00	0.911	0.911	1.00
82	14:11	1.00	1.048	1.00	50.00	50.00	1.095	1.095	1.00

010399

INITIAL CALIBRATION DATA - SEMIVOLATILE HSL COMPOUNDS

CASE NO. ---- CONTRACT LAB: KEYSTONE
CONTRACT NO. --- INSTRUMENT IDENTIFIER: 4510
CALIBRATION DATE: 05/26/93
MINIMUM MEAN RF FOR SPCC IS 0.05
MAXIMUM %RSD FOR CCC IS 30%

	COMPOUND	RF 20NG	RF 50NG	RF 80NG	RF 120NG	RF 160NG	MEAN RF	%RSD
C315	PHENOL	1.979	1.821	1.797	1.771	1.895	1.853	4.569
C325	BIS(2-CHLOROETHYL)ETHE	1.784	1.559	1.394	1.215	1.046	1.400	20.609
C330	2-CHLOROPHENOL	1.552	1.454	1.382	1.376	1.317	1.416	6.373
C335	1,3-DICHLOROBENZENE	1.475	1.480	1.467	1.486	1.551	1.492	2.268
C340	1,4-DICHLOROBENZENE	1.519	1.512	1.552	1.620	1.619	1.564	3.360
C345	BENZYL ALCOHOL	0.732	0.921	0.852	0.644	0.462	0.722	24.977
C350	1,2-DICHLOROBENZENE	1.355	1.391	1.458	1.458	1.323	1.397	4.355
C355	2-METHYLPHENOL	1.352	1.394	1.464	1.392	1.336	1.388	3.548
C357	2,2'-OXYBIS(1-CHLOROPR	2.259	2.083	1.980	1.999	2.065	2.077	5.311
C365	4-METHYLPHENOL	1.331	1.441	1.519	1.539	1.464	1.459	5.618
C370	N-NITROSODIPROPYLAMINE	1.059	0.973	0.960	0.935	1.100	1.005	7.022
C375	HEXACHLOROETHANE	0.476	0.494	0.525	0.522	0.535	0.510	4.809
C410	NITROBENZENE	0.529	0.480	0.535	0.554	0.496	0.519	5.792
C415	ISOPHORONE	0.769	0.692	0.774	0.780	0.729	0.749	4.990
C420	2-NITROPHENOL	0.221	0.208	0.236	0.246	0.247	0.231	7.310
C425	2,4-DIMETHYLPHENOL	0.248	0.271	0.286	0.305	0.310	0.284	8.955
C430	BENZOIC ACID	0.204	0.233	0.173	0.176	0.197	0.197	12.188
C435	BIS(2-CHLOROETHOXY)MET	0.535	0.459	0.477	0.496	0.501	0.493	5.728
C440	2,4-DICHLOROPHENOL	0.298	0.282	0.305	0.312	0.310	0.302	4.011
C445	1,2,4-TRICHLOROBENZENE	0.300	0.278	0.305	0.309	0.312	0.301	4.393
C450	NAPHTHALENE	1.115	0.900	1.072	1.124	1.110	1.064	8.826
C455	4-CHLOROANILINE	0.413	0.430	0.541	0.523	0.499	0.481	11.792
C460	HEXACHLOROBUTADIENE	0.125	0.120	0.129	0.131	0.134	0.128	4.142
C465	P-CHLORO-M-CRESOL	0.291	0.293	0.229	0.278	0.262	0.271	9.630
C470	2-METHYLNAPHTHALENE	0.744	0.811	0.719	0.835	0.862	0.794	7.634
C510	HEXACHLOROCYCLOPENTADI	0.182	0.199	0.232	0.256	0.292	0.232	18.852
C515	2,4,6-TRICHLOROPHENOL	0.311	0.303	0.412	0.425	0.446	0.379	17.746
C520	2,4,5-TRICHLOROPHENOL	0.318	0.308	0.274	0.276	0.228	0.281	12.610
C525	2-CHLORONAPHTHALENE	0.963	0.943	1.074	1.084	1.143	1.041	8.172
C530	2-NITROANILINE	0.316	0.346	0.408	0.414	0.390	0.375	11.245
C535	DIMETHYL PHTHALATE	1.333	1.150	1.139	1.182	1.245	1.210	6.632
C540	ACENAPHTHYLENE	1.631	1.437	1.794	1.907	1.885	1.731	11.372
C545	3-NITROANILINE	0.332	0.338	0.401	0.389	0.408	0.374	9.534
C550	ACENAPHTHENE	0.955	0.808	0.942	1.012	1.014	0.946	8.844
C555	2,4-DINITROPHENOL	0.137	0.161	0.154	0.176	0.155	0.157	8.778
C560	4-NITROPHENOL	0.097	0.098	0.074	0.082	0.086	0.087	11.676
C565	DIBENZOFURAN	1.358	1.323	1.347	1.450	1.498	1.395	5.376
C570	2,4-DINITROTOLUENE	0.310	0.293	0.259	0.259	0.206	0.266	14.950
C543	2,6-DINITROTOLUENE	0.256	0.270	0.324	0.321	0.333	0.301	11.678
C580	DIETHYL PHTHALATE	1.403	1.142	0.891	0.973	0.983	1.079	18.807
C585	4-CHLOROPHENYL PHENYL	0.818	0.676	0.604	0.648	0.643	0.678	12.170
C590	FLUORENE	1.265	1.077	1.041	1.081	1.001	1.093	9.266
C595	4-NITROANILINE	0.271	0.285	0.341	0.359	0.312	0.314	11.690
C610	4,6-DINITRO-2-METHYLPH	0.102	0.117	0.116	0.117	0.111	0.113	5.711
C615	N-NITROSODIPHENYLAMINE	0.608	0.526	0.480	0.470	0.429	0.503	13.548
C625	4-BROMOPHENYL PHENYL E	0.214	0.176	0.197	0.192	0.190	0.194	7.125
C630	HEXACHLOROBENZENE	0.166	0.161	0.191	0.195	0.185	0.180	8.381
C635	PENTACHLOROPHENOL	0.119	0.123	0.145	0.140	0.130	0.132	8.392
C640	PHENANTHRENE	1.338	1.136	1.471	1.527	1.421	1.379	11.052
C645	ANTHRACENE	1.274	1.039	1.209	1.202	1.022	1.149	9.748
C650	DI-N-BUTYL PHTHALATE	2.209	1.725	2.000	2.139	2.025	2.019	9.164
C655	FLUORANTHENE	1.643	1.303	1.627	1.708	1.637	1.584	10.098

010399

010400

C715	PYRENE	1.570	1.314	1.558	1.622	1.541	1.521	7.872
C720	BUTYL BENZYL PHTHALATE	0.937	0.780	0.755	0.811	0.783	0.813	8.884
C725	3,3'-DICHLOROBENZIDINE	0.440	0.312	0.424	0.427	0.432	0.407	13.070
C730	BENZO(A)ANTHRACENE	1.476	1.207	1.497	1.619	1.690	1.498	12.341
C745	BIS(2-ETHYLHEXYL)PHTHA	1.424	1.178	1.104	1.212	1.190	1.222	9.825
C740	CHRYSENE	1.257	0.992	0.997	0.979	0.837	1.012	15.009
C760	DI-N-OCTYL PHTHALATE	2.535	2.217	2.113	2.226	1.773	2.173	12.577
C765	BENZO(B)FLUORANTHENE	1.521	1.255	1.451	1.519	1.671	1.484	10.163
C770	BENZO(K)FLUORANTHENE	1.165	1.056	0.932	0.957	0.806	0.983	13.712
C775	BENZO(A)PYRENE	1.155	0.998	1.095	1.138	1.155	1.108	5.976
C780	INDENO(1,2,3-CD)PYRENE	0.900	0.804	0.944	0.983	1.115	0.949	12.014
C785	DIBENZO(A,H)ANTHRACENE	0.859	0.776	0.872	0.924	0.994	0.885	9.141
C790	BENZO(GHI)PERYLENE	0.946	0.878	0.947	0.972	1.038	0.956	6.021
C310	N-NITROSODIMETHYLAMINE	1.746	1.032	1.017	1.062	1.170	1.205	25.539
C620	1,2-DIPHENYL-HYDRAZINE	0.773	0.752	0.815	0.769	0.725	0.767	4.271
CS70	2-CHLOROPHENOL-D4 ** S	1.744	2.124	1.969	1.884	1.865	1.917	7.348
CS75	1,2-DICHLOROBENZENE-D4	0.712	0.894	0.843	0.799	0.814	0.813	8.194
C647	CARBAZOLE	1.240	1.101	1.329	1.394	1.367	1.286	9.223
CS50	2-FLUOROPHENOL ** SU1	1.466	1.758	1.697	1.622	1.684	1.645	6.762
CS45	PHENOL-D5 ** SU2 **	1.815	2.211	2.007	1.863	1.854	1.950	8.346
CS55	2,4,6-TRIBROMOPHENOL	0.126	0.158	0.151	0.152	0.165	0.150	9.923
CS20	NITROBENZENE-D5 ** SU3	0.347	0.389	0.401	0.386	0.378	0.380	5.298
CS25	2-FLUOROBIPHENYL ** SU	0.880	1.043	1.119	1.099	1.132	1.055	9.779
CS30	TERPHENYL-D14 ** SU6	1.143	1.207	1.252	1.245	1.236	1.217	3.660
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							
CI30	1,4-DICHLOROBENZENE-D4	0.000	1.000	1.000	1.000	1.000	1.000	0.000

010401

CHESTER DC # ----17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0526C02

CLIENT CHESTER ANALYST JDD

DATE INJECTED 05/26/93 12:59:00 VERFIED BY

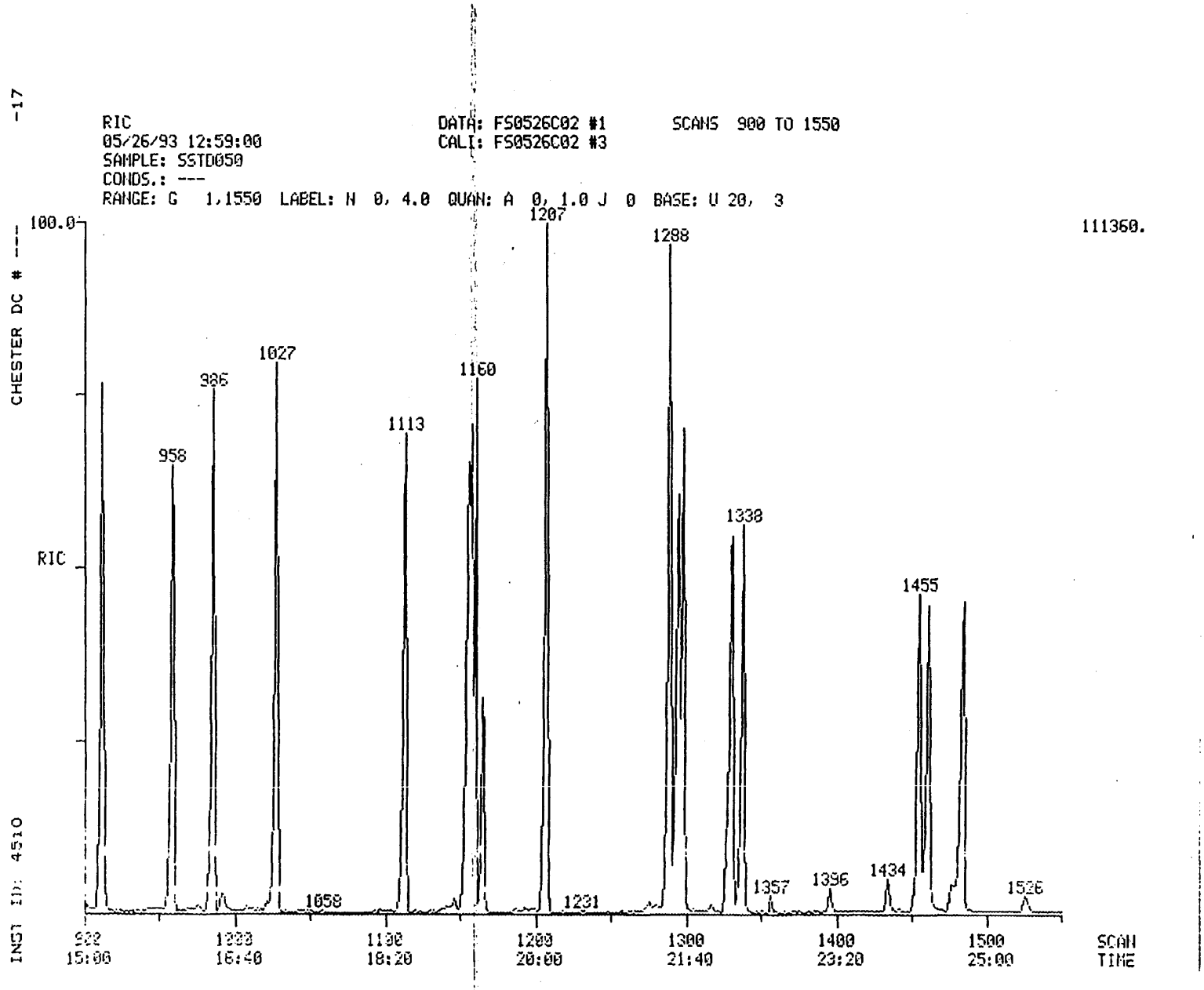
	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	227	40	12832	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	369	40	44790	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	599	40	27607	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	794	40	50345	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1157	40	51704	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1338	40	48550	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	130	50	28197	0.573	1.758
CS45	PHENOL-D5 ** SU2 **	99	212	50	35458	0.934	2.211
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	707	50	5464	1.180	0.158
CS20	NITROBENZENE-D5 ** SU3 **	82	289	50	21763	0.783	0.389
CS25	2-FLUOROBIPHENYL ** SU4 **	172	519	50	36006	0.866	1.043
CS30	TERPHENYL-D14 ** SU6 **	244	1027	50	77990	0.888	1.207
C315	PHENOL	94	213	50	29216	0.938	1.821
C325	BIS(2-CHLOROETHYL)ETHER	93	212	50	25007	0.934	1.559
C330	2-CHLOROPHENOL	128	212	50	23329	0.934	1.454
C335	1,3-DICHLOROBENZENE	146	223	50	23747	0.982	1.480
C340	1,4-DICHLOROBENZENE	146	228	50	24245	1.004	1.512
C345	BENZYL ALCOHOL	108	251	50	14778	1.106	0.921
C350	1,2-DICHLOROBENZENE	146	246	50	22308	1.084	1.391
C355	2-METHYLPHENOL	108	272	50	22359	1.198	1.394
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	268	50	33419	1.181	2.083
C365	4-METHYLPHENOL	108	290	50	23110	1.278	1.441
C370	N-NITROSODIPROPYLAMINE	70	284	50	15602	1.251	0.973
C375	HEXACHLOROETHANE	117	278	50	7918	1.225	0.494
C410	NITROBENZENE	77	291	50	26896	0.789	0.480
C415	ISOPHORONE	82	322	50	38762	0.873	0.692
C420	2-NITROPHENOL	139	328	50	11625	0.889	0.208
C425	2,4-DIMETHYLPHENOL	107	350	50	15163	0.949	0.271
C430	BENZOIC ACID	122	382	50	13033	1.035	0.233
C435	BIS(2-CHLOROETHOXY)METHANE	93	358	50	25711	0.970	0.459
C440	2,4-DICHLOROPHENOL	162	361	50	15804	0.978	0.282
C445	1,2,4-TRICHLOROBENZENE	180	367	50	15591	0.995	0.278
C450	NAPHTHALENE	128	371	50	50391	1.005	0.900
C455	4-CHLOROANILINE	127	389	50	24098	1.054	0.430
C460	HEXACHLOROBUTADIENE	225	402	50	6720	1.089	0.120
C465	P-CHLORO-M-CRESOL	107	465	50	16391	1.260	0.293
C470	2-METHYLNAPHTHALENE	142	461	50	45393	1.249	0.811
C510	HEXACHLOROCYCLOPENTADIENE	237	495	50	6864	0.826	0.199
C515	2,4,6-TRICHLOROPHENOL	196	508	50	10439	0.848	0.303
C520	2,4,5-TRICHLOROPHENOL	196	513	50	10638	0.856	0.308
C525	2-CHLORONAPHTHALENE	162	523	50	32525	0.873	0.943
C530	2-NITROANILINE	65	548	50	11935	0.915	0.346
C535	DIMETHYL PHTHALATE	163	587	50	39688	0.980	1.150
C540	ACENAPHTHYLENE	152	576	50	49589	0.962	1.437
C545	3-NITROANILINE	138	605	50	11679	1.010	0.338
C550	ACENAPHTHENE	153	603	50	27888	1.007	0.808

010402

SV STANDARD REPORT PAGE 2

DATAFILE FS0526C02

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	618	50	5543	1.032	0.161
C560	4-NITROPHENOL	109	646	50	3393	1.078	0.098
C565	DIBENZOFURAN	168	625	50	45670	1.043	1.323
C570	2,4-DINITROTOLUENE	165	640	50	10103	1.068	0.293
C543	2,6-DINITROTOLUENE	165	591	50	9327	0.987	0.270
C580	DIETHYL PHTHALATE	149	687	50	39417	1.147	1.142
C585	4-CHLOROPHENYL PHENYL ETHER	204	681	50	23342	1.137	0.676
C590	FLUORENE	166	671	50	37162	1.120	1.077
C595	4-NITROANILINE	138	689	50	9852	1.150	0.285
C610	4,6-DINITRO-2-METHYLPHENOL	198	695	50	7356	0.875	0.117
C615	N-NITROSODIPHENYLAMINE	169	701	50	33125	0.883	0.526
C625	4-BROMOPHENYL PHENYL ETHER	248	745	50	11051	0.938	0.176
C630	HEXACHLOROBENZENE	284	756	50	10144	0.952	0.161
C635	PENTACHLOROPHENOL	266	786	50	7716	0.990	0.123
C640	PHENANTHRENE	178	797	50	71483	1.004	1.136
C645	ANTHRACENE	178	803	50	65410	1.011	1.039
C650	DI-N-BUTYL PHTHALATE	149	912	50	108570	1.149	1.725
C655	FLUORANTHENE	202	958	50	82006	1.207	1.303
C715	PYRENE	202	986	50	84900	0.852	1.314
C720	BUTYL BENZYL PHTHALATE	149	1113	50	50395	0.962	0.780
C725	3,3'-DICHLOROBENZIDINE	252	1165	50	20189	1.007	0.312
C730	BENZO(A)ANTHRACENE	228	1155	50	77981	0.998	1.207
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1207	50	76145	1.043	1.178
C740	CHRYSENE	228	1160	50	64104	1.003	0.992
C760	DI-N-OCTYL PHTHALATE	149	1288	50	134535	0.963	2.217
C765	BENZO(B)FLUORANTHENE	252	1295	50	76187	0.968	1.255
C770	BENZO(K)FLUORANTHENE	252	1298	50	64065	0.970	1.056
C775	BENZO(A)PYRENE	252	1330	50	60577	0.994	0.998
C780	INDENO(1,2,3-CD)PYRENE	276	1455	50	48792	1.087	0.804
C785	DIBENZO(A,H)ANTHRACENE	278	1461	50	47069	1.092	0.776
C790	BENZO(GHI)PERYLENE	276	1484	50	53280	1.109	0.878
C620	1,2-DIPHENYL-HYDRAZINE	77	701	50	47309	0.883	0.752



000175

010403

010403

010404

Quantitation Report File: FS0526C02

Data: FS0526C02.TI
05/26/93 12:59:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 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

010405

No	Name		
46	C560	4-NITROPHENOL	7A
47	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	227	3:47	1	1.000	A BB	12832.	40.000 UG/L	0.95
2	136	369	6:09	2	1.000	A BB	44790.	40.000 UG/L	0.95
3	164	599	9:59	3	1.000	A BB	27607.	40.000 UG/L	0.95
4	188	794	13:14	4	1.000	A BB	50345.	40.000 UG/L	0.95
5	240	1157	19:17	5	1.000	A VB	51704.	40.000 UG/L	0.95
6	264	1338	22:18	6	1.000	A BB	48550.	40.000 UG/L	0.95
7	112	130	2:10	1	0.573	A BB	28197.	50.000 UG/L	1.19
8	99	212	3:32	1	0.934	A BB	35458.	50.000 UG/L	1.19
9	330	707	11:47	3	1.180	A BB	5464.	50.000 UG/L	1.19
10	82	289	4:49	2	0.783	A BB	21763.	50.000 UG/L	1.19
11	172	519	8:39	3	0.866	A BB	36006.	50.000 UG/L	1.19
12	244	1027	17:07	5	0.888	A VB	77990.	50.000 UG/L	1.19
13	94	213	3:33	1	0.938	A BB	29216.	50.000 UG/L	1.19
14	93	212	3:32	1	0.934	A VB	25007.	50.000 UG/L	1.19
15	128	212	3:32	1	0.934	A BB	23329.	50.000 UG/L	1.19
16	146	223	3:43	1	0.982	A BB	23747.	50.000 UG/L	1.19
17	146	228	3:48	1	1.004	A BB	24245.	50.000 UG/L	1.19
18	108	251	4:11	1	1.106	A BB	14778.	50.000 UG/L	1.19
19	146	246	4:06	1	1.084	A BB	22308.	50.000 UG/L	1.19
20	108	272	4:32	1	1.198	A BB	22359.	50.000 UG/L	1.19
21	45	268	4:28	1	1.181	A BB	33419.	50.000 UG/L	1.19
22	108	290	4:50	1	1.278	A BB	23110.	50.000 UG/L	1.19
23	70	284	4:44	1	1.251	A BV	15602.	50.000 UG/L	1.19
24	117	278	4:38	1	1.225	A BB	7918.	50.000 UG/L	1.19
25	77	291	4:51	2	0.789	A BB	26896.	50.000 UG/L	1.19
26	82	322	5:22	2	0.873	A BB	38762.	50.000 UG/L	1.19
27	139	328	5:28	2	0.889	A BB	11625.	50.000 UG/L	1.19
28	107	350	5:50	2	0.949	A BB	15163.	50.000 UG/L	1.19
29	122	382	6:22	2	1.035	A BB	13033.	50.000 UG/L	1.19
30	93	358	5:58	2	0.970	A BB	25711.	50.000 UG/L	1.19
31	162	361	6:01	2	0.978	A BB	15804.	50.000 UG/L	1.19
32	180	367	6:07	2	0.995	A BB	15591.	50.000 UG/L	1.19
33	128	371	6:11	2	1.005	A BB	50391.	50.000 UG/L	1.19
34	127	389	6:29	2	1.054	A BB	24098.	50.000 UG/L	1.19
35	225	402	6:42	2	1.089	A BB	6720.	50.000 UG/L	1.19
36	107	465	7:45	2	1.260	A BB	16391.	50.000 UG/L	1.19
37	142	461	7:41	2	1.249	A BV	45393.	50.000 UG/L	1.19
38	237	495	8:15	3	0.826	A BB	6864.	50.000 UG/L	1.19
39	196	508	8:28	3	0.848	A BV	10439.	50.000 UG/L	1.19
40	196	513	8:33	3	0.856	A VB	10638.	50.000 UG/L	1.19
41	162	523	8:43	3	0.873	A BB	32525.	50.000 UG/L	1.19
42	65	548	9:08	3	0.915	A BB	11935.	50.000 UG/L	1.19
43	163	587	9:47	3	0.980	A BB	39688.	50.000 UG/L	1.19
44	152	576	9:36	3	0.962	A BB	49589.	50.000 UG/L	1.19
45	138	605	10:05	3	1.010	A BB	11679.	50.000 UG/L	1.19
46	153	603	10:03	3	1.007	A BB	27888.	50.000 UG/L	1.19
47	184	618	10:18	3	1.032	A BB	5543.	50.000 UG/L	1.19
48	109	646	10:46	3	1.078	A BB	3393.	50.000 UG/L	1.19
49	168	625	10:25	3	1.043	A BB	45670.	50.000 UG/L	1.19
50	165	640	10:40	3	1.068	A BB	10103.	50.000 UG/L	1.19

010406

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	3:47	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	6:09	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	9:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	13:14	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	19:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	22:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:10	1.00	0.573	1.00	50.00	50.00	1.758	1.758	1.00
8	3:32	1.00	0.934	1.00	50.00	50.00	2.211	2.211	1.00
9	11:47	1.00	1.180	1.00	50.00	50.00	0.158	0.158	1.00
10	4:49	1.00	0.783	1.00	50.00	50.00	0.389	0.389	1.00
11	8:39	1.00	0.866	1.00	50.00	50.00	1.043	1.043	1.00
12	17:07	1.00	0.888	1.00	50.00	50.00	1.207	1.207	1.00
13	3:33	1.00	0.938	1.00	50.00	50.00	1.821	1.821	1.00
14	3:32	1.00	0.934	1.00	50.00	50.00	1.559	1.559	1.00
15	3:32	1.00	0.934	1.00	50.00	50.00	1.454	1.454	1.00
16	3:43	1.00	0.982	1.00	50.00	50.00	1.480	1.480	1.00
17	3:48	1.00	1.004	1.00	50.00	50.00	1.512	1.512	1.00
18	4:11	1.00	1.106	1.00	50.00	50.00	0.921	0.921	1.00
19	4:06	1.00	1.084	1.00	50.00	50.00	1.391	1.391	1.00
20	4:32	1.00	1.198	1.00	50.00	50.00	1.394	1.394	1.00
21	4:28	1.00	1.181	1.00	50.00	50.00	2.083	2.083	1.00
22	4:50	1.00	1.278	1.00	50.00	50.00	1.441	1.441	1.00
23	4:44	1.00	1.251	1.00	50.00	50.00	0.973	0.973	1.00
24	4:38	1.00	1.225	1.00	50.00	50.00	0.494	0.494	1.00
25	4:51	1.00	0.789	1.00	50.00	50.00	0.480	0.480	1.00
26	5:22	1.00	0.873	1.00	50.00	50.00	0.692	0.692	1.00
27	5:28	1.00	0.889	1.00	50.00	50.00	0.208	0.208	1.00
28	5:50	1.00	0.949	1.00	50.00	50.00	0.271	0.271	1.00
29	6:22	1.00	1.035	1.00	50.00	50.00	0.233	0.233	1.00
30	5:58	1.00	0.970	1.00	50.00	50.00	0.459	0.459	1.00
31	6:01	1.00	0.978	1.00	50.00	50.00	0.282	0.282	1.00
32	6:07	1.00	0.995	1.00	50.00	50.00	0.278	0.278	1.00
33	6:11	1.00	1.005	1.00	50.00	50.00	0.900	0.900	1.00
34	6:29	1.00	1.054	1.00	50.00	50.00	0.430	0.430	1.00
35	6:42	1.00	1.089	1.00	50.00	50.00	0.120	0.120	1.00
36	7:45	1.00	1.260	1.00	50.00	50.00	0.293	0.293	1.00
37	7:41	1.00	1.249	1.00	50.00	50.00	0.811	0.811	1.00
38	8:15	1.00	0.826	1.00	50.00	50.00	0.199	0.199	1.00
39	8:28	1.00	0.848	1.00	50.00	50.00	0.303	0.303	1.00
40	8:33	1.00	0.856	1.00	50.00	50.00	0.308	0.308	1.00
41	8:43	1.00	0.873	1.00	50.00	50.00	0.943	0.943	1.00
42	9:08	1.00	0.915	1.00	50.00	50.00	0.346	0.346	1.00
43	9:47	1.00	0.980	1.00	50.00	50.00	1.150	1.150	1.00
44	9:36	1.00	0.962	1.00	50.00	50.00	1.437	1.437	1.00
45	10:05	1.00	1.010	1.00	50.00	50.00	0.338	0.338	1.00
46	10:03	1.00	1.007	1.00	50.00	50.00	0.808	0.808	1.00
47	10:18	1.00	1.032	1.00	50.00	50.00	0.161	0.161	1.00
48	10:46	1.00	1.078	1.00	50.00	50.00	0.098	0.098	1.00
49	10:25	1.00	1.043	1.00	50.00	50.00	1.323	1.323	1.00
50	10:40	1.00	1.068	1.00	50.00	50.00	0.293	0.293	1.00

010407

Quantitation Report File: FS0526C02

Data: FS0526C02.TI
05/26/93 12:59:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 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	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	591	9:51	3	0.987	A BB	9327.	50.000 UG/L	1.19
52	149	687	11:27	3	1.147	A BB	39417.	50.000 UG/L	1.19
53	204	681	11:21	3	1.137	A BB	23342.	50.000 UG/L	1.19
54	166	671	11:11	3	1.120	A BB	37162.	50.000 UG/L	1.19
55	138	689	11:29	3	1.150	A BB	9852.	50.000 UG/L	1.19
56	198	695	11:35	4	0.875	A BB	7356.	50.000 UG/L	1.19
57	169	701	11:41	4	0.883	A BB	33125.	50.000 UG/L	1.19
58	248	745	12:25	4	0.938	A BB	11051.	50.000 UG/L	1.19

010408

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
59	284	756	12:36	4	0.952	A BB	10144.	50.000 UG/L	1.19
60	266	786	13:06	4	0.990	A BB	7716.	50.000 UG/L	1.19
61	178	797	13:17	4	1.004	A BV	71483.	50.000 UG/L	1.19
62	178	803	13:23	4	1.011	A VB	65410.	50.000 UG/L	1.19
63	149	912	15:12	4	1.149	A VB	108570.	50.000 UG/L	1.19
64	202	958	15:58	4	1.207	A VB	82006.	50.000 UG/L	1.19
65	202	986	16:26	5	0.852	A VB	84900.	50.000 UG/L	1.19
66	149	1113	18:33	5	0.962	A VB	50395.	50.000 UG/L	1.19
67	252	1165	19:25	5	1.007	A BB	20189.	50.000 UG/L	1.19
68	228	1155	19:15	5	0.998	A VV	77981.	50.000 UG/L	1.19
69	149	1207	20:07	5	1.043	A VB	76145.	50.000 UG/L	1.19
70	228	1160	19:20	5	1.003	A VB	64104.	50.000 UG/L	1.19
71	149	1288	21:28	6	0.963	A VB	134535.	50.000 UG/L	1.19
72	252	1295	21:35	6	0.968	M XX	76187.	50.000 UG/L	1.19
73	252	1298	21:38	6	0.970	M XX	64065.	50.000 UG/L	1.19
74	252	1330	22:10	6	0.994	A BB	60577.	50.000 UG/L	1.19
75	276	1455	24:15	6	1.087	A BV	48792.	50.000 UG/L	1.19
76	278	1461	24:21	6	1.092	A BB	47069.	50.000 UG/L	1.19
77	276	1484	24:44	6	1.109	A BB	53280.	50.000 UG/L	1.19
78	74	62	1:02	1	0.273	A BB	16552.	50.000 UG/L	1.19
79	184	992	16:32	5	0.857	M XX	8675.	50.000 UG/L	1.19
80	132	210	3:30	1	0.925	A BB	34068.	50.000 UG/L	1.19
81	152	245	4:05	1	1.079	M XX	14338.	50.000 UG/L	1.19
82	167	834	13:54	4	1.050	M XX	69297.	50.000 UG/L	1.19
83	93	202	3:22	1	0.890	M XX	36164.	50.000 UG/L	1.19
84	79	63	1:03	1	0.278	M XX	25066.	50.000 UG/L	1.19
85	77	701	11:41	4	0.883	M XX	47309.	50.000 UG/L	1.19

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:51	1.00	0.987	1.00	50.00	50.00	0.270	0.270	1.00
52	11:27	1.00	1.147	1.00	50.00	50.00	1.142	1.142	1.00
53	11:21	1.00	1.137	1.00	50.00	50.00	0.676	0.676	1.00
54	11:11	1.00	1.120	1.00	50.00	50.00	1.077	1.077	1.00
55	11:29	1.00	1.150	1.00	50.00	50.00	0.285	0.285	1.00
56	11:35	1.00	0.875	1.00	50.00	50.00	0.117	0.117	1.00
57	11:41	1.00	0.883	1.00	50.00	50.00	0.526	0.526	1.00
58	12:25	1.00	0.938	1.00	50.00	50.00	0.176	0.176	1.00
59	12:36	1.00	0.952	1.00	50.00	50.00	0.161	0.161	1.00
60	13:06	1.00	0.990	1.00	50.00	50.00	0.123	0.123	1.00
61	13:17	1.00	1.004	1.00	50.00	50.00	1.136	1.136	1.00
62	13:23	1.00	1.011	1.00	50.00	50.00	1.039	1.039	1.00
63	15:12	1.00	1.149	1.00	50.00	50.00	1.725	1.725	1.00
64	15:58	1.00	1.207	1.00	50.00	50.00	1.303	1.303	1.00
65	16:26	1.00	0.852	1.00	50.00	50.00	1.314	1.314	1.00
66	18:33	1.00	0.962	1.00	50.00	50.00	0.780	0.780	1.00
67	19:25	1.00	1.007	1.00	50.00	50.00	0.312	0.312	1.00
68	19:15	1.00	0.998	1.00	50.00	50.00	1.207	1.207	1.00
69	20:07	1.00	1.043	1.00	50.00	50.00	1.178	1.178	1.00
70	19:20	1.00	1.003	1.00	50.00	50.00	0.992	0.992	1.00
71	21:28	1.00	0.963	1.00	50.00	50.00	2.217	2.217	1.00
72	21:35	1.00	0.968	1.00	50.00	50.00	1.255	1.255	1.00
73	21:38	1.00	0.970	1.00	50.00	50.00	1.056	1.056	1.00
74	22:10	1.00	0.994	1.00	50.00	50.00	0.998	0.998	1.00
75	24:15	1.00	1.087	1.00	50.00	50.00	0.804	0.804	1.00
76	24:21	1.00	1.092	1.00	50.00	50.00	0.776	0.776	1.00
77	24:44	1.00	1.109	1.00	50.00	50.00	0.878	0.878	1.00

No	Rt(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
78	1:02	1.00	0.273	1.00	50.00	50.00	1.032	1.032	1.00
79	16:32	1.00	0.857	1.00	50.00	50.00	0.134	0.134	1.00
80	4:30	1.00	0.925	1.00	50.00	50.00	2.124	2.124	1.00
81	4:05	1.00	1.079	1.00	50.00	50.00	0.894	0.894	1.00
82	13:54	1.00	1.050	1.00	50.00	50.00	1.101	1.101	1.00
83	4:22	1.00	0.890	1.00	50.00	50.00	2.255	2.255	1.00
84	1:03	1.00	0.278	1.00	50.00	50.00	1.563	1.563	1.00
85	11:41	1.00	0.883	1.00	50.00	50.00	0.752	0.752	1.00

010409

010410

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --- CONTRACT LAB: KEYSTONE

CONTRACT NO. --- INSTRUMENT IDENTIFIER: 4510

CALIBRATION DATE: 05/26/93

STANDARD FILE: FS0527C02

DATE: 05/27/93 TIME: 12:43

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(D)	% D
C315	PHENOL	1.853	1.991	7.466
C325	BIS(2-CHLOROETHYL)ETHE	1.400	1.556	11.160
C330	2-CHLOROPHENOL	1.416	1.466	3.497
C335	1,3-DICHLOROBENZENE	1.492	1.459	-2.222
C340	1,4-DICHLOROBENZENE	1.564	1.511	-3.401
C345	BENZYL ALCOHOL	0.722	0.916	26.746
C350	1,2-DICHLOROBENZENE	1.397	1.378	-1.341
C355	2-METHYLPHENOL	1.388	1.392	0.315
C357	2,2'-OXYBIS(1-CHLOROPR	2.077	2.043	-1.626
C365	4-METHYLPHENOL	1.459	1.421	-2.571
C370	N-NITROSODIPROPYLAMINE	1.005	0.999	-0.612
C375	HEXACHLOROETHANE	0.510	0.493	-3.293
C410	NITROBENZENE	0.519	0.474	-8.600
C415	ISOPHORONE	0.749	0.716	-4.331
C420	2-NITROPHENOL	0.231	0.210	-9.328
C425	2,4-DIMETHYLPHENOL	0.284	0.267	-6.118
C430	BENZOIC ACID	0.197	0.209	6.291
C435	BIS(2-CHLOROETHOXY)MET	0.493	0.462	-6.353
C440	2,4-DICHLOROPHENOL	0.302	0.289	-4.262
C445	1,2,4-TRICHLOROBENZENE	0.301	0.283	-5.912
C450	NAPHTHALENE	1.064	0.932	-12.436
C455	4-CHLOROANILINE	0.481	0.455	-5.395
C460	HEXACHLOROBUTADIENE	0.128	0.125	-2.227
C465	P-CHLORO-M-CRESOL	0.271	0.284	4.800
C470	2-METHYLNAPHTHALENE	0.794	0.793	-0.168
C510	HEXACHLOROCYCLOPENTADI	0.232	0.175	-24.781
C515	2,4,6-TRICHLOROPHENOL	0.379	0.306	-19.294
C520	2,4,5-TRICHLOROPHENOL	0.281	0.305	8.404
C525	2-CHLORONAPHTHALENE	1.041	0.917	-11.894
C530	2-NITROANILINE	0.375	0.338	-9.891
C535	DIMETHYL PHTHALATE	1.210	1.121	-7.339
C540	ACENAPHTHYLENE	1.731	1.402	-19.008
C545	3-NITROANILINE	0.374	0.343	-8.231
C550	ACENAPHTHENE	0.946	0.812	-14.142
C555	2,4-DINITROPHENOL	0.157	0.140	-10.396
C560	4-NITROPHENOL	0.087	0.090	3.194
C565	DIBENZOFURAN	1.395	1.286	-7.824
C570	2,4-DINITROTOLUENE	0.266	0.278	4.517
C543	2,6-DINITROTOLUENE	0.301	0.266	-11.602
C580	DIETHYL PHTHALATE	1.079	1.073	-0.513
C585	4-CHLOROPHENYL PHENYL	0.678	0.641	-5.394
C590	FLUORENE	1.093	0.961	-12.046
C595	4-NITROANILINE	0.314	0.284	-9.543
C610	4,6-DINITRO-2-METHYLPH	0.113	0.111	-1.588
C615	N-NITROSODIPHENYLAMINE	0.503	0.524	4.145
C625	4-BROMOPHENYL PHENYL E	0.194	0.181	-6.600
C630	HEXACHLOROBENZENE	0.180	0.166	-7.330
C635	PENTACHLOROPHENOL	0.132	0.124	-5.398
C640	PHENANTHRENE	1.379	1.108	-19.613
C645	ANTHRACENE	1.149	1.052	-8.486
C650	DI-N-BUTYL PHTHALATE	2.019	1.724	-14.[illegible]
C655	FLUORANTHENE	1.584	[illegible]	[illegible]

000182

010410

C715	PYRENE	1.521	1.293	-14.980
C720	BUTYL BENZYL PHTHALATE	0.813	0.749	-7.809
C725	3,3'-DICHLOROBENZIDINE	0.407	0.380	-6.563
C730	BENZO(A)ANTHRACENE	1.498	1.233	-17.684
C745	BIS(2-ETHYLHEXYL)PHTHA	1.222	1.151	-5.736
C740	CHRYSENE	1.012	0.942	-6.906
C760	DI-N-OCTYL PHTHALATE	2.173	2.052	-5.558
C765	BENZO(B)FLUORANTHENE	1.484	1.283	-13.525
C770	BENZO(K)FLUORANTHENE	0.983	0.808	-17.793
C775	BENZO(A)PYRENE	1.108	0.974	-12.148
C780	INDENO(1,2,3-CD)PYRENE	0.949	0.848	-10.660
C785	DIBENZO(A,H)ANTHRACENE	0.885	0.831	-6.101
C790	BENZO(GHI)PERYLENE	0.956	0.897	-6.203
C310	N-NITROSODIMETHYLAMINE	1.205	1.364	13.164
C620	1,2-DIPHENYL-HYDRAZINE	0.767	0.752	-1.962
CS70	2-CHLOROPHENOL-D4 ** S	1.917	2.118	10.492
CS75	1,2-DICHLOROBENZENE-D4	0.813	0.846	4.122
C647	CARBAZOLE	1.286	1.139	-11.454
CS50	2-FLUOROPHENOL ** SU1	1.645	1.765	7.283
CS45	PHENOL-D5 ** SU2 **	1.950	2.194	12.484
CS55	2,4,6-TRIBROMOPHENOL	0.150	0.158	4.781
CS20	NITROBENZENE-D5 ** SU3	0.380	0.397	4.491
CS25	2-FLUOROBIPHENYL ** SU	1.055	1.053	-0.189
CS30	TERPHENYL-D14 ** SU6	1.217	1.217	0.020
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			

010412

CHESTER DC # ----17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0527C02

CLIENT CHESTER ANALYST JDD

DATE INJECTED 05/27/93 12:43:00 VERFIED BY

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	218	40	14336	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	358	40	49364	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	586	40	30908	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	780	40	54600	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1141	40	58151	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1321	40	57737	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	125	50	31635	0.573	1.765
CS45	PHENOL-D5 ** SU2 **	99	205	50	39310	0.940	2.194
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	694	50	6091	1.184	0.158
CS20	NITROBENZENE-D5 ** SU3 **	82	279	50	24517	0.779	0.397
CS25	2-FLUOROBIPHENYL ** SU4 **	172	507	50	40671	0.865	1.053
CS30	TERPHENYL-D14 ** SU6 **	244	1012	50	88445	0.887	1.217
C315	PHENOL	94	206	50	35683	0.945	1.991
C325	BIS(2-CHLOROETHYL)ETHER	93	204	50	27879	0.936	1.556
C330	2-CHLOROPHENOL	128	204	50	26266	0.936	1.466
C335	1,3-DICHLOROBENZENE	146	214	50	26142	0.982	1.459
C340	1,4-DICHLOROBENZENE	146	219	50	27078	1.005	1.511
C345	BENZYL ALCOHOL	108	242	50	16408	1.110	0.916
C350	1,2-DICHLOROBENZENE	146	237	50	24700	1.087	1.378
C355	2-METHYLPHENOL	108	264	50	24945	1.211	1.392
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	259	50	36617	1.188	2.043
C365	4-METHYLPHENOL	108	281	50	25466	1.289	1.421
C370	N-NITROSODIPROPYLAMINE	70	275	50	17908	1.261	0.999
C375	HEXACHLOROETHANE	117	268	50	8843	1.229	0.493
C410	NITROBENZENE	77	281	50	29262	0.785	0.474
C415	ISOPHORONE	82	312	50	44210	0.872	0.716
C420	2-NITROPHENOL	139	318	50	12938	0.888	0.210
C425	2,4-DIMETHYLPHENOL	107	341	50	16450	0.953	0.267
C430	BENZOIC ACID	122	376	50	12906	1.050	0.209
C435	BIS(2-CHLOROETHOXY)METHANE	93	348	50	28513	0.972	0.462
C440	2,4-DICHLOROPHENOL	162	351	50	17815	0.980	0.289
C445	1,2,4-TRICHLOROBENZENE	180	356	50	17461	0.994	0.283
C450	NAPHTHALENE	128	360	50	57500	1.006	0.932
C455	4-CHLOROANILINE	127	378	50	28098	1.056	0.455
C460	HEXACHLOROBUTADIENE	225	390	50	7707	1.089	0.125
C465	P-CHLORO-M-CRESOL	107	455	50	17503	1.271	0.284
C470	2-METHYLNAPHTHALENE	142	449	50	48926	1.254	0.793
C510	HEXACHLOROCYCLOPENTADIENE	237	482	50	6745	0.823	0.175
C515	2,4,6-TRICHLOROPHENOL	196	497	50	11823	0.848	0.306
C520	2,4,5-TRICHLOROPHENOL	196	502	50	11765	0.857	0.305
C525	2-CHLORONAPHTHALENE	162	510	50	35442	0.870	0.917
C530	2-NITROANILINE	65	536	50	13042	0.915	0.338
C535	DIMETHYL PHTHALATE	163	575	50	43311	0.981	1.121
C540	ACENAPHTHYLENE	152	563	50	54152	0.961	1.402
C545	3-NITROANILINE	138	593	50	13248	1.012	0.343
C550	ACENAPHTHENE	153	590	50	31389	1.007	0.812

0003 84

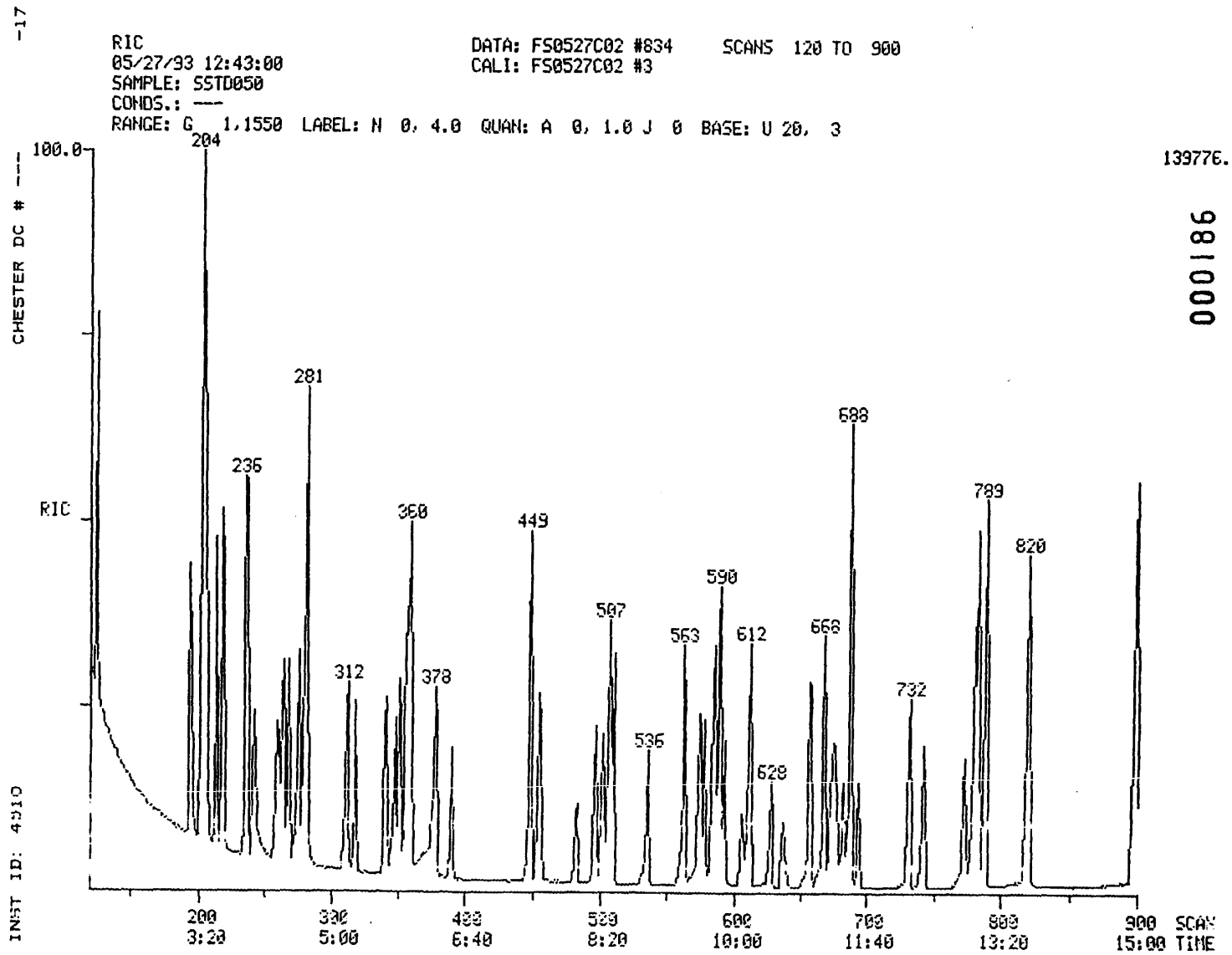
010412

CHESTER DC # --- -17

SV STANDARD REPORT PAGE 2

DATAFILE FS0527C02

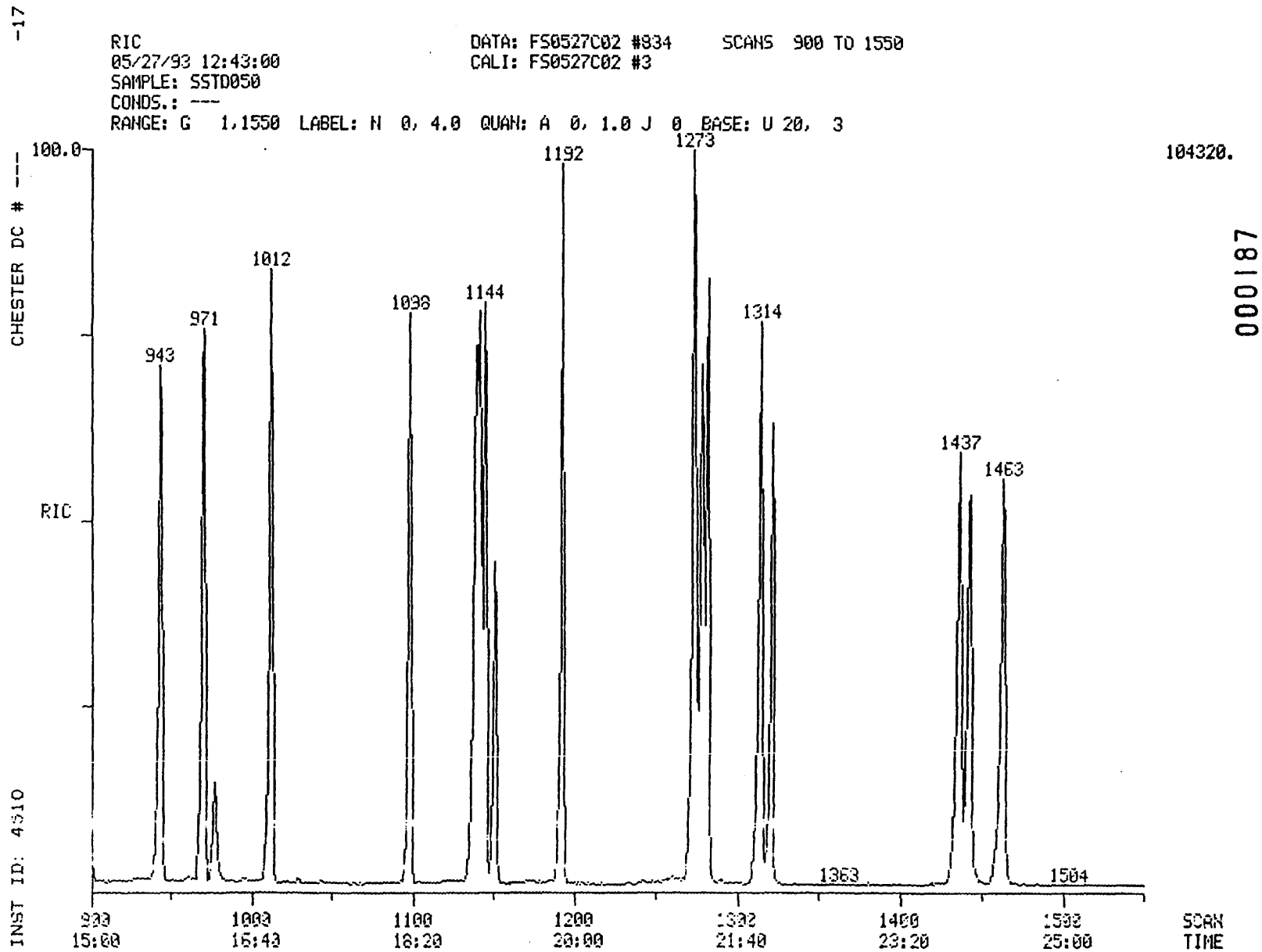
	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	606	50	5416	1.034	0.140
C560	4-NITROPHENOL	109	637	50	3484	1.087	0.090
C565	DIBENZOFURAN	168	612	50	49693	1.044	1.286
C570	2,4-DINITROTOLUENE	165	628	50	10726	1.072	0.278
C543	2,6-DINITROTOLUENE	165	579	50	10277	0.988	0.266
C580	DIETHYL PHTHALATE	149	675	50	41461	1.152	1.073
C585	4-CHLOROPHENYL PHENYL ETHER	204	668	50	24774	1.140	0.641
C590	FLUORENE	166	657	50	37135	1.121	0.961
C595	4-NITROANILINE	138	677	50	10967	1.155	0.284
C610	4,6-DINITRO-2-METHYLPHENOL	198	682	50	7562	0.874	0.111
C615	N-NITROSODIPHENYLAMINE	169	688	50	35729	0.882	0.524
C625	4-BROMOPHENYL PHENYL ETHER	248	731	50	12350	0.937	0.181
C630	HEXACHLOROBENZENE	284	742	50	11362	0.951	0.166
C635	PENTACHLOROPHENOL	266	773	50	8490	0.991	0.124
C640	PHENANTHRENE	178	783	50	75626	1.004	1.108
C645	ANTHRACENE	178	789	50	71779	1.012	1.052
C650	DI-N-BUTYL PHTHALATE	149	899	50	117682	1.153	1.724
C655	FLUORANTHENE	202	943	50	88267	1.209	1.293
C715	PYRENE	202	971	50	93990	0.851	1.293
C720	BUTYL BENZYL PHTHALATE	149	1098	50	54479	0.962	0.749
C725	3,3'-DICHLOROBENZIDINE	252	1150	50	27646	1.008	0.380
C730	BENZO(A)ANTHRACENE	228	1139	50	89597	0.998	1.233
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1192	50	83698	1.045	1.151
C740	CHRYSENE	228	1144	50	68499	1.003	0.942
C760	DI-N-OCTYL PHTHALATE	149	1273	50	148093	0.964	2.052
C765	BENZO(B)FLUORANTHENE	252	1278	50	92586	0.967	1.283
C770	BENZO(K)FLUORANTHENE	252	1282	50	58332	0.970	0.808
C775	BENZO(A)PYRENE	252	1314	50	70274	0.995	0.974
C780	INDENO(1,2,3-CD)PYRENE	276	1437	50	61195	1.088	0.848
C785	DIBENZO(A,H)ANTHRACENE	278	1442	50	59955	1.092	0.831
C790	BENZO(GHI)PERYLENE	276	1463	50	64723	1.107	0.897
C620	1,2-DIPHENYL-HYDRAZINE						



000186

010414

010414



000187

010415

010415

Quantitation Report File: FS0527C02

Data: FS0527C02.TI
05/27/93 12:43:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 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	C130	1,4-DICHLOROBENZENE-D4 ** IS1 **	
2	C140	NAPHTHALENE-D8 ** IS2 **	
3	C150	ACENAPHTHENE-D10 ** IS3 **	
4	C160	PHENANTHRENE-D10 ** IS4 **	
5	C170	CHRYSENE-D12 ** IS5 **	
6	C175	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

010417

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	218	3:38	1	1.000	A BB	14336.	40.000 UG/L	0.99
2	136	358	5:58	2	1.000	A BB	49364.	40.000 UG/L	0.99
3	164	586	9:46	3	1.000	A VB	30908.	40.000 UG/L	0.99
4	188	780	13:00	4	1.000	A BB	54600.	40.000 UG/L	0.99
5	240	1141	19:01	5	1.000	A BB	58151.	40.000 UG/L	0.99
6	264	1321	22:01	6	1.000	A BB	57737.	40.000 UG/L	0.99
7	112	125	2:05	1	0.573	A BB	31635.	50.000 UG/L	1.24
8	99	205	3:25	1	0.940	A BB	39310.	50.000 UG/L	1.24
9	330	694	11:34	3	1.184	A BB	6091.	50.000 UG/L	1.24
10	82	279	4:39	2	0.779	A BB	24517.	50.000 UG/L	1.24
11	172	507	8:27	3	0.865	A BB	40671.	50.000 UG/L	1.24
12	244	1012	16:52	5	0.887	A VB	88445.	50.000 UG/L	1.24
13	94	206	3:26	1	0.945	A BB	35683.	50.000 UG/L	1.24
14	93	204	3:24	1	0.936	A VB	27879.	50.000 UG/L	1.24
15	128	204	3:24	1	0.936	A BB	26266.	50.000 UG/L	1.24
16	146	214	3:34	1	0.982	A BB	26142.	50.000 UG/L	1.24
17	146	219	3:39	1	1.005	A BB	27078.	50.000 UG/L	1.24
18	108	242	4:02	1	1.110	A BB	16408.	50.000 UG/L	1.24
19	146	237	3:57	1	1.087	A BB	24700.	50.000 UG/L	1.24
20	108	264	4:24	1	1.211	A BB	24945.	50.000 UG/L	1.24
21	45	259	4:19	1	1.188	A BB	36617.	50.000 UG/L	1.24
22	108	281	4:41	1	1.289	A BB	25466.	50.000 UG/L	1.24
23	70	275	4:35	1	1.261	M XX	17908.	50.000 UG/L	1.24
24	117	268	4:28	1	1.229	A BB	8843.	50.000 UG/L	1.24
25	77	281	4:41	2	0.785	A BB	29262.	50.000 UG/L	1.24
26	82	312	5:12	2	0.872	A BB	44210.	50.000 UG/L	1.24
27	139	318	5:18	2	0.888	A BB	12938.	50.000 UG/L	1.24
28	107	341	5:41	2	0.953	A BB	16450.	50.000 UG/L	1.24
29	122	376	6:16	2	1.050	A BB	12906.	50.000 UG/L	1.24
30	93	348	5:48	2	0.972	A BB	28513.	50.000 UG/L	1.24
31	162	351	5:51	2	0.980	A BB	17815.	50.000 UG/L	1.24
32	180	356	5:56	2	0.994	A BB	17461.	50.000 UG/L	1.24
33	128	360	6:00	2	1.006	A BB	57500.	50.000 UG/L	1.24
34	127	378	6:18	2	1.056	A BB	28098.	50.000 UG/L	1.24
35	225	390	6:30	2	1.089	A BB	7707.	50.000 UG/L	1.24
36	107	455	7:35	2	1.271	A BB	17503.	50.000 UG/L	1.24
37	142	449	7:29	2	1.254	A BV	48926.	50.000 UG/L	1.24
38	237	482	8:02	3	0.823	A BB	6745.	50.000 UG/L	1.24
39	196	497	8:17	3	0.848	A BV	11823.	50.000 UG/L	1.24
40	196	502	8:22	3	0.857	A VB	11765.	50.000 UG/L	1.24
41	162	510	8:30	3	0.870	A BB	35442.	50.000 UG/L	1.24
42	65	536	8:56	3	0.915	A BB	13042.	50.000 UG/L	1.24
43	163	575	9:35	3	0.981	A BB	43311.	50.000 UG/L	1.24
44	152	563	9:23	3	0.961	A BB	54152.	50.000 UG/L	1.24
45	138	593	9:53	3	1.012	A BB	13248.	50.000 UG/L	1.24
46	153	590	9:50	3	1.007	A BB	31389.	50.000 UG/L	1.24
47	184	606	10:06	3	1.034	A BB	5416.	50.000 UG/L	1.24
48	109	637	10:37	3	1.087	A BB	3484.	50.000 UG/L	1.24
49	168	612	10:12	3	1.044	A BB	49693.	50.000 UG/L	1.24
50	165	628	10:28	3	1.072	A BB	10726.	50.000 UG/L	1.24

010417

010418

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	3:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	5:58	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	9:46	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	13:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	17:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	22:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:05	1.00	0.573	1.00	50.00	50.00	1.765	1.765	1.00
8	3:25	1.00	0.940	1.00	50.00	50.00	2.194	2.194	1.00
9	11:34	1.00	1.184	1.00	50.00	50.00	0.158	0.158	1.00
10	4:39	1.00	0.779	1.00	50.00	50.00	0.397	0.397	1.00
11	8:27	1.00	0.865	1.00	50.00	50.00	1.053	1.053	1.00
12	16:52	1.00	0.887	1.00	50.00	50.00	1.217	1.217	1.00
13	3:26	1.00	0.945	1.00	50.00	50.00	1.991	1.991	1.00
14	3:24	1.00	0.936	1.00	50.00	50.00	1.556	1.556	1.00
15	3:24	1.00	0.936	1.00	50.00	50.00	1.466	1.466	1.00
16	3:34	1.00	0.982	1.00	50.00	50.00	1.459	1.459	1.00
17	3:39	1.00	1.005	1.00	50.00	50.00	1.511	1.511	1.00
18	4:02	1.00	1.110	1.00	50.00	50.00	0.916	0.916	1.00
19	3:57	1.00	1.087	1.00	50.00	50.00	1.378	1.378	1.00
20	4:24	1.00	1.211	1.00	50.00	50.00	1.392	1.392	1.00
21	4:19	1.00	1.188	1.00	50.00	50.00	2.043	2.043	1.00
22	4:41	1.00	1.289	1.00	50.00	50.00	1.421	1.421	1.00
23	4:35	1.00	1.261	1.00	50.00	50.00	0.999	0.999	1.00
24	4:28	1.00	1.229	1.00	50.00	50.00	0.493	0.493	1.00
25	4:41	1.00	0.785	1.00	50.00	50.00	0.474	0.474	1.00
26	5:12	1.00	0.872	1.00	50.00	50.00	0.716	0.716	1.00
27	5:18	1.00	0.888	1.00	50.00	50.00	0.210	0.210	1.00
28	5:41	1.00	0.953	1.00	50.00	50.00	0.267	0.267	1.00
29	6:16	1.00	1.050	1.00	50.00	50.00	0.209	0.209	1.00
30	5:48	1.00	0.972	1.00	50.00	50.00	0.462	0.462	1.00
31	5:51	1.00	0.980	1.00	50.00	50.00	0.289	0.289	1.00
32	5:56	1.00	0.994	1.00	50.00	50.00	0.283	0.283	1.00
33	6:00	1.00	1.006	1.00	50.00	50.00	0.932	0.932	1.00
34	6:18	1.00	1.056	1.00	50.00	50.00	0.455	0.455	1.00
35	6:30	1.00	1.089	1.00	50.00	50.00	0.125	0.125	1.00
36	7:35	1.00	1.271	1.00	50.00	50.00	0.284	0.284	1.00
37	7:29	1.00	1.254	1.00	50.00	50.00	0.793	0.793	1.00
38	8:02	1.00	0.823	1.00	50.00	50.00	0.175	0.175	1.00
39	8:17	1.00	0.848	1.00	50.00	50.00	0.306	0.306	1.00
40	8:22	1.00	0.857	1.00	50.00	50.00	0.305	0.305	1.00
41	8:30	1.00	0.870	1.00	50.00	50.00	0.917	0.917	1.00
42	8:56	1.00	0.915	1.00	50.00	50.00	0.338	0.338	1.00
43	9:35	1.00	0.981	1.00	50.00	50.00	1.121	1.121	1.00
44	9:23	1.00	0.961	1.00	50.00	50.00	1.402	1.402	1.00
45	9:53	1.00	1.012	1.00	50.00	50.00	0.343	0.343	1.00
46	9:50	1.00	1.007	1.00	50.00	50.00	0.812	0.812	1.00
47	10:06	1.00	1.034	1.00	50.00	50.00	0.140	0.140	1.00
48	10:37	1.00	1.087	1.00	50.00	50.00	0.090	0.090	1.00
49	10:12	1.00	1.044	1.00	50.00	50.00	1.286	1.286	1.00
50	10:28	1.00	1.072	1.00	50.00	50.00	0.278	0.278	1.00

010418

010419

Quantitation Report File: FS0527C02

Data: FS0527C02.TI
05/27/93 12:43:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 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	C910	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	579	9:39	3	0.988	A BV	10277.	50.000 UG/L	1.24
52	149	675	11:15	3	1.152	A BB	41461.	50.000 UG/L	1.24
53	204	668	11:08	3	1.140	A BB	24774.	50.000 UG/L	1.24
54	166	657	10:57	3	1.121	A BB	37135.	50.000 UG/L	1.24
55	138	677	11:17	3	1.155	A BB	10967.	50.000 UG/L	1.24
56	198	682	11:22	4	0.874	A BB	7562.	50.000 UG/L	1.24
57	169	688	11:28	4	0.882	A BB	35729.	50.000 UG/L	1.24
58	248	731	12:11	4	0.937	A BB	12350.	50.000 UG/L	1.24
59	284	742	12:22	4	0.951	A BB	11362.	50.000 UG/L	1.24
60	266	773	12:53	4	0.991	A BB	8490.	50.000 UG/L	1.24
61	178	783	13:03	4	1.004	A BV	75626.	50.000 UG/L	1.24

010420

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
62	178	789	13:09	4	1.012	A VB	71779.	50.000 UG/L	1.24
63	149	899	14:59	4	1.153	A VB	117682.	50.000 UG/L	1.24
64	202	943	15:43	4	1.209	A VB	88267.	50.000 UG/L	1.24
65	202	971	16:11	5	0.851	A BB	93990.	50.000 UG/L	1.24
66	149	1098	18:18	5	0.962	A VB	54479.	50.000 UG/L	1.24
67	252	1150	19:10	5	1.008	A BB	27646.	50.000 UG/L	1.24
68	228	1139	18:59	5	0.998	A BV	89597.	50.000 UG/L	1.24
69	149	1192	19:52	5	1.045	A VB	83698.	50.000 UG/L	1.24
70	228	1144	19:04	5	1.003	A VB	68498.	50.000 UG/L	1.24
71	149	1273	21:13	6	0.964	A VB	148093.	50.000 UG/L	1.24
72	252	1278	21:18	6	0.967	A BV	92586.	50.000 UG/L	1.24
73	252	1282	21:22	6	0.970	A VB	58332.	50.000 UG/L	1.24
74	252	1314	21:54	6	0.995	A BB	70274.	50.000 UG/L	1.24
75	276	1437	23:57	6	1.088	A BV	61195.	50.000 UG/L	1.24
76	278	1442	24:02	6	1.092	A BB	59955.	50.000 UG/L	1.24
77	276	1463	24:23	6	1.107	A BB	64723.	50.000 UG/L	1.24
78	74	60	1:00	1	0.275	A BB	24442.	50.000 UG/L	1.24
79	184	977	16:17	5	0.856	A BB	24052.	50.000 UG/L	1.24
80	132	202	3:22	1	0.927	A BB	37960.	50.000 UG/L	1.24
81	152	235	3:55	1	1.078	M XX	15161.	50.000 UG/L	1.24
82	167	820	13:40	4	1.051	A BB	77722.	50.000 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:39	1.00	0.988	1.00	50.00	50.00	0.266	0.266	1.00
52	11:15	1.00	1.152	1.00	50.00	50.00	1.073	1.073	1.00
53	11:08	1.00	1.140	1.00	50.00	50.00	0.641	0.641	1.00
54	10:57	1.00	1.121	1.00	50.00	50.00	0.961	0.961	1.00
55	11:17	1.00	1.155	1.00	50.00	50.00	0.284	0.284	1.00
56	11:22	1.00	0.874	1.00	50.00	50.00	0.111	0.111	1.00
57	11:28	1.00	0.882	1.00	50.00	50.00	0.524	0.524	1.00
58	12:11	1.00	0.937	1.00	50.00	50.00	0.181	0.181	1.00
59	12:22	1.00	0.951	1.00	50.00	50.00	0.166	0.166	1.00
60	12:53	1.00	0.991	1.00	50.00	50.00	0.124	0.124	1.00
61	13:03	1.00	1.004	1.00	50.00	50.00	1.108	1.108	1.00
62	13:09	1.00	1.012	1.00	50.00	50.00	1.052	1.052	1.00
63	14:59	1.00	1.153	1.00	50.00	50.00	1.724	1.724	1.00
64	15:43	1.00	1.209	1.00	50.00	50.00	1.293	1.293	1.00
65	16:11	1.00	0.851	1.00	50.00	50.00	1.293	1.293	1.00
66	18:18	1.00	0.962	1.00	50.00	50.00	0.749	0.749	1.00
67	19:10	1.00	1.008	1.00	50.00	50.00	0.380	0.380	1.00
68	18:59	1.00	0.998	1.00	50.00	50.00	1.233	1.233	1.00
69	19:52	1.00	1.045	1.00	50.00	50.00	1.151	1.151	1.00
70	19:04	1.00	1.003	1.00	50.00	50.00	0.942	0.942	1.00
71	21:13	1.00	0.964	1.00	50.00	50.00	2.052	2.052	1.00
72	21:18	1.00	0.967	1.00	50.00	50.00	1.283	1.283	1.00
73	21:22	1.00	0.970	1.00	50.00	50.00	0.808	0.808	1.00
74	21:54	1.00	0.995	1.00	50.00	50.00	0.974	0.974	1.00
75	23:57	1.00	1.088	1.00	50.00	50.00	0.848	0.848	1.00
76	24:02	1.00	1.092	1.00	50.00	50.00	0.831	0.831	1.00
77	24:23	1.00	1.107	1.00	50.00	50.00	0.897	0.897	1.00
78	1:00	1.00	0.275	1.00	50.00	50.00	1.364	1.364	1.00
79	16:17	1.00	0.856	1.00	50.00	50.00	0.331	0.331	1.00
80	3:22	1.00	0.927	1.00	50.00	50.00	2.118	2.118	1.00
81	3:55	1.00	1.078	1.00	50.00	50.00	0.846	0.846	1.00
82	13:40	1.00	1.051	1.00	50.00	50.00	1.139	1.139	1.00

010421

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. ---
CONTRACT LAB: KEYSTONE
CONTRACT NO. ---
INSTRUMENT IDENTIFIER: 4510
CALIBRATION DATE: 05/26/93
STANDARD FILE: FS0528C02A
DATE: 05/28/93 TIME: 15:32
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.853	2.008	8.343
C325	BIS(2-CHLOROETHYL)ETHE	1.400	1.504	7.466
C330	2-CHLOROPHENOL	1.416	1.367	-3.475
C335	1,3-DICHLOROBENZENE	1.492	1.394	-6.547
C340	1,4-DICHLOROBENZENE	1.564	1.432	-8.436
C345	BENZYL ALCOHOL	0.722	0.203	-71.888
C350	1,2-DICHLOROBENZENE	1.397	1.345	-3.736
C355	2-METHYLPHENOL	1.388	1.427	2.857
C357	2,2'-OXYBIS(1-CHLOROPR	2.077	2.293	10.408
C365	4-METHYLPHENOL	1.459	1.573	7.806
C370	N-NITROSODIPROPYLAMINE	1.005	1.365	35.734
C375	HEXACHLOROETHANE	0.510	0.568	11.271
C410	NITROBENZENE	0.519	0.484	-6.810
C415	ISOPHORONE	0.749	0.715	-4.565
C420	2-NITROPHENOL	0.231	0.209	-9.709
C425	2,4-DIMETHYLPHENOL	0.284	0.249	-12.183
C430	BENZOIC ACID	0.197	0.174	-11.412
C435	BIS(2-CHLOROETHOXY)MET	0.493	0.447	-9.408
C440	2,4-DICHLOROPHENOL	0.302	0.279	-7.629
C445	1,2,4-TRICHLOROBENZENE	0.301	0.295	-1.787
C450	NAPHTHALENE	1.064	0.928	-12.768
C455	4-CHLOROANILINE	0.481	0.484	0.537
C460	HEXACHLOROBUTADIENE	0.128	0.144	12.423
C465	P-CHLORO-M-CRESOL	0.271	0.304	12.325
C470	2-METHYLNAPHTHALENE	0.794	0.859	8.104
C510	HEXACHLOROCYCLOPENTADI	0.232	0.172	-25.990
C515	2,4,6-TRICHLOROPHENOL	0.379	0.301	-20.655
C520	2,4,5-TRICHLOROPHENOL	0.281	0.333	18.596
C525	2-CHLORONAPHTHALENE	1.041	1.006	-3.355
C530	2-NITROANILINE	0.375	0.405	8.068
C535	DIMETHYL PHTHALATE	1.210	1.141	-5.728
C540	ACENAPHTHYLENE	1.731	1.415	-18.224
C545	3-NITROANILINE	0.374	0.354	-5.335
C550	ACENAPHTHENE	0.946	0.774	-18.229
C555	2,4-DINITROPHENOL	0.157	0.189	20.790
C560	4-NITROPHENOL	0.087	0.094	7.602
C565	DIBENZOFURAN	1.395	1.410	1.061
C570	2,4-DINITROTOLUENE	0.266	0.308	16.067
C543	2,6-DINITROTOLUENE	0.301	0.274	-8.892
C580	DIETHYL PHTHALATE	1.079	1.032	-4.370
C585	4-CHLOROPHENYL PHENYL	0.678	0.716	5.610
C590	FLUORENE	1.093	1.034	-5.371
C595	4-NITROANILINE	0.314	0.302	-3.630
C610	4,6-DINITRO-2-METHYLPH	0.113	0.156	38.219
C615	N-NITROSODIPHENYLAMINE	0.503	0.601	19.532
C625	4-BROMOPHENYL PHENYL E	0.194	0.221	14.075
C630	HEXACHLOROBENZENE	0.180	0.203	13.106
C635	PENTACHLOROPHENOL	0.132	0.133	1.077
C640	PHENANTHRENE	1.379	1.054	-23.562
C645	ANTHRACENE	1.149	0.920	-19.921
C650	DI-N-BUTYL PHTHALATE	2.019	1.324	-34.410
C655	FLUORANTHENE	1.584	1.440	-9.079

010421

010422

C715	PYRENE	1.521	1.529	0.551
C730	BUTYL BENZYL PHTHALATE	0.813	0.588	-27.665
C725	3,3'-DICHLOROBENZIDINE	0.407	0.331	-18.647
C730	BENZO(A)ANTHRACENE	1.498	1.166	-22.151
C745	BIS(2-ETHYLHEXYL)PHTHA	1.222	0.669	-45.179
C740	CHRYSENE	1.012	0.908	-10.313
C760	DI-N-OCTYL PHTHALATE	2.173	1.680	-22.695
C765	BENZO(B)FLUORANTHENE	1.484	1.831	23.406
C770	BENZO(K)FLUORANTHENE	0.983	1.752	78.145
C775	BENZO(A)PYRENE	1.108	1.054	-4.933
C780	INDENO(1,2,3-CD)PYRENE	0.949	0.659	-30.524
C785	DIBENZO(A,H)ANTHRACENE	0.885	0.654	-26.012
C790	BENZO(GHI)PERYLENE	0.956	0.762	-20.286
C310	N-NITROSODIMETHYLAMINE	1.205	1.424	18.172
C620	1,2-DIPHENYL-HYDRAZINE	0.767	0.752	-1.962
CS70	2-CHLOROPHENOL-D4 ** S	1.917	1.959	2.201
CS75	1,2-DICHLOROBENZENE-D4	0.813	0.868	6.869
C647	CARBAZOLE	1.286	0.947	-26.375
CS50	2-FLUOROPHENOL ** SU1	1.645	1.522	-7.478
CS45	PHENOL-D5 ** SU2 **	1.950	2.071	6.207
CS55	2,4,6-TRIBROMOPHENOL	0.150	0.171	13.571
CS20	NITROBENZENE-D5 ** SU3	0.380	0.393	3.229
CS25	2-FLUOROBIPHENYL ** SU	1.055	1.151	9.161
CS30	TERPHENYL-D14 ** SU6	1.217	1.239	1.813

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

010422

CHESTER DC # ----17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4510

LAB ID. FS0528C02A

CLIENT CHESTER ANALYST JZ

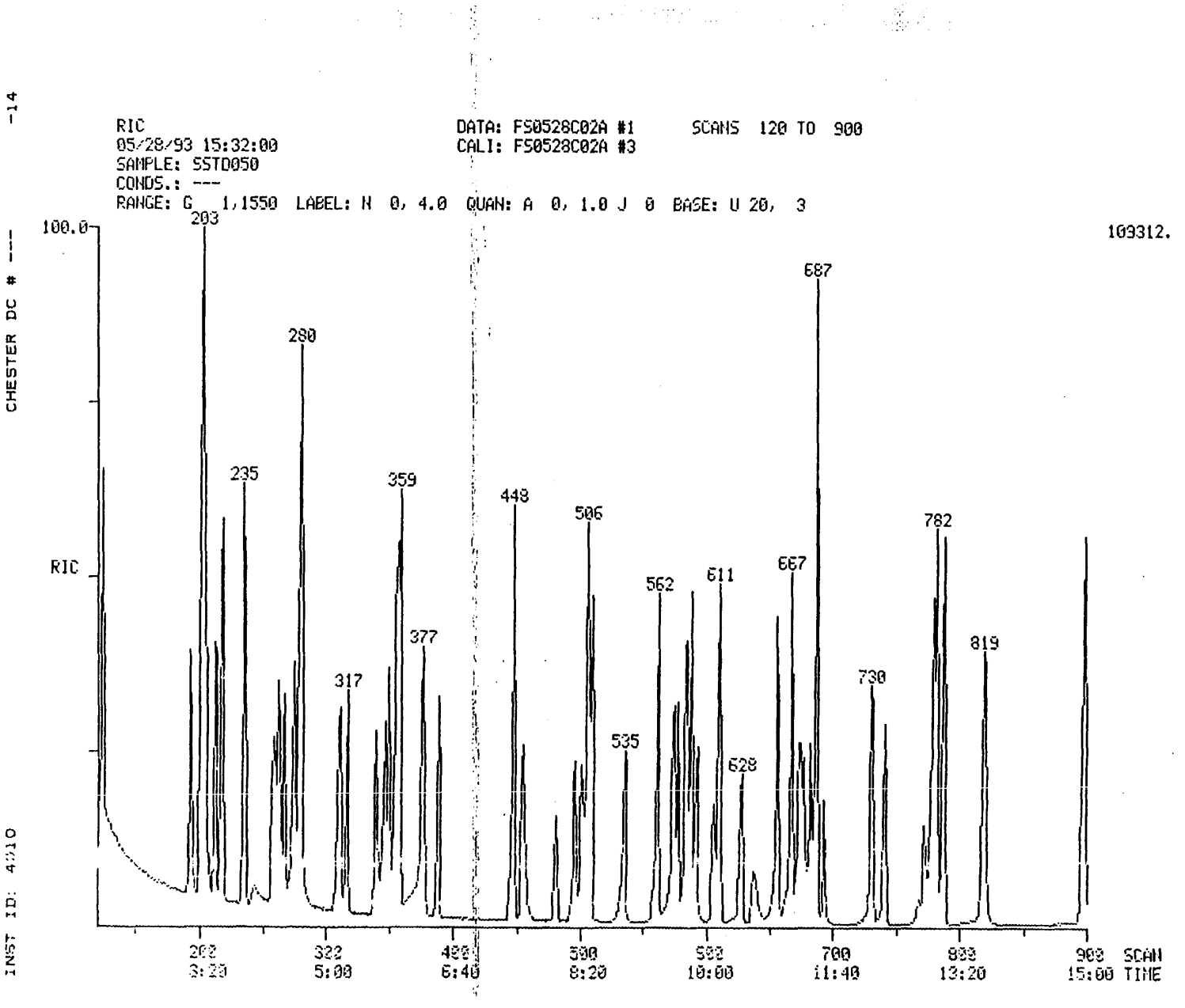
DATE INJECTED 05/28/93 15:32:00 VERFIED BY

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	217	40	11304	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **	136	357	40	47496	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **	164	584	40	32085	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **	188	779	40	53965	1.000	0.999
CI70	CHRYSENE-D12 ** IS5 **	240	1140	40	51982	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **	264	1320	40	46249	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **	112	124	50	21511	0.571	1.522
CS45	PHENOL-D5 ** SU2 **	99	204	50	29266	0.940	2.071
CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	693	50	6855	1.187	0.171
CS20	NITROBENZENE-D5 ** SU3 **	82	278	50	23304	0.779	0.393
CS25	2-FLUOROBIPHENYL ** SU4 **	172	506	50	46177	0.866	1.151
CS30	TERPHENYL-D14 ** SU6 **	244	1011	50	80480	0.887	1.239
C315	PHENOL	94	205	50	28366	0.945	2.007
C325	BIS(2-CHLOROETHYL)ETHER	93	203	50	21252	0.935	1.504
C330	2-CHLOROPHENOL	128	202	50	19315	0.931	1.367
C335	1,3-DICHLOROBENZENE	146	212	50	19701	0.977	1.394
C340	1,4-DICHLOROBENZENE	146	218	50	20238	1.005	1.432
C345	BENZYL ALCOHOL	108	243	50	2864	1.120	0.203
C350	1,2-DICHLOROBENZENE	146	236	50	19003	1.088	1.345
C355	2-METHYLPHENOL	108	262	50	20168	1.207	1.427
C357	2,2'-OXYBIS(1-CHLOROPROPANE)	45	258	50	32406	1.189	2.293
C365	4-METHYLPHENOL	108	280	50	22220	1.290	1.573
C370	N-NITROSODIPROPYLAMINE	70	274	50	19287	1.263	1.365
C375	HEXACHLOROETHANE	117	267	50	8024	1.230	0.568
C410	NITROBENZENE	77	280	50	28707	0.784	0.484
C415	ISOPHORONE	82	311	50	42433	0.871	0.715
C420	2-NITROPHENOL	139	317	50	12396	0.888	0.209
C425	2,4-DIMETHYLPHENOL	107	340	50	14803	0.952	0.249
C430	BENZOIC ACID	122	376	50	10345	1.053	0.174
C435	BIS(2-CHLOROETHOXY)METHANE	93	347	50	26538	0.972	0.447
C440	2,4-DICHLOROPHENOL	162	350	50	16537	0.980	0.279
C445	1,2,4-TRICHLOROBENZENE	180	355	50	17538	0.994	0.295
C450	NAPHTHALENE	128	359	50	55114	1.006	0.928
C455	4-CHLOROANILINE	127	377	50	28732	1.056	0.484
C460	HEXACHLOROBUTADIENE	225	389	50	8531	1.090	0.144
C465	P-CHLORO-M-CRESOL	107	455	50	18052	1.275	0.304
C470	2-METHYLNAPHTHALENE	142	448	50	50978	1.255	0.859
C510	HEXACHLOROCYCLOPENTADIENE	237	481	50	6889	0.824	0.172
C515	2,4,6-TRICHLOROPHENOL	196	495	50	12066	0.848	0.301
C520	2,4,5-TRICHLOROPHENOL	196	501	50	13363	0.858	0.333
C525	2-CHLORONAPHTHALENE	162	509	50	40359	0.872	1.006
C530	2-NITROANILINE	65	535	50	16241	0.916	0.405
C535	DIMETHYL PHTHALATE	163	574	50	45742	0.983	1.141
C540	ACENAPHTHYLENE	152	562	50	56758	0.962	1.415
C545	3-NITROANILINE	138	592	50	14187	1.014	0.354
C550	ACENAPHTHENE	153	588	50	31032	1.007	0.774

SV STANDARD REPORT PAGE 2

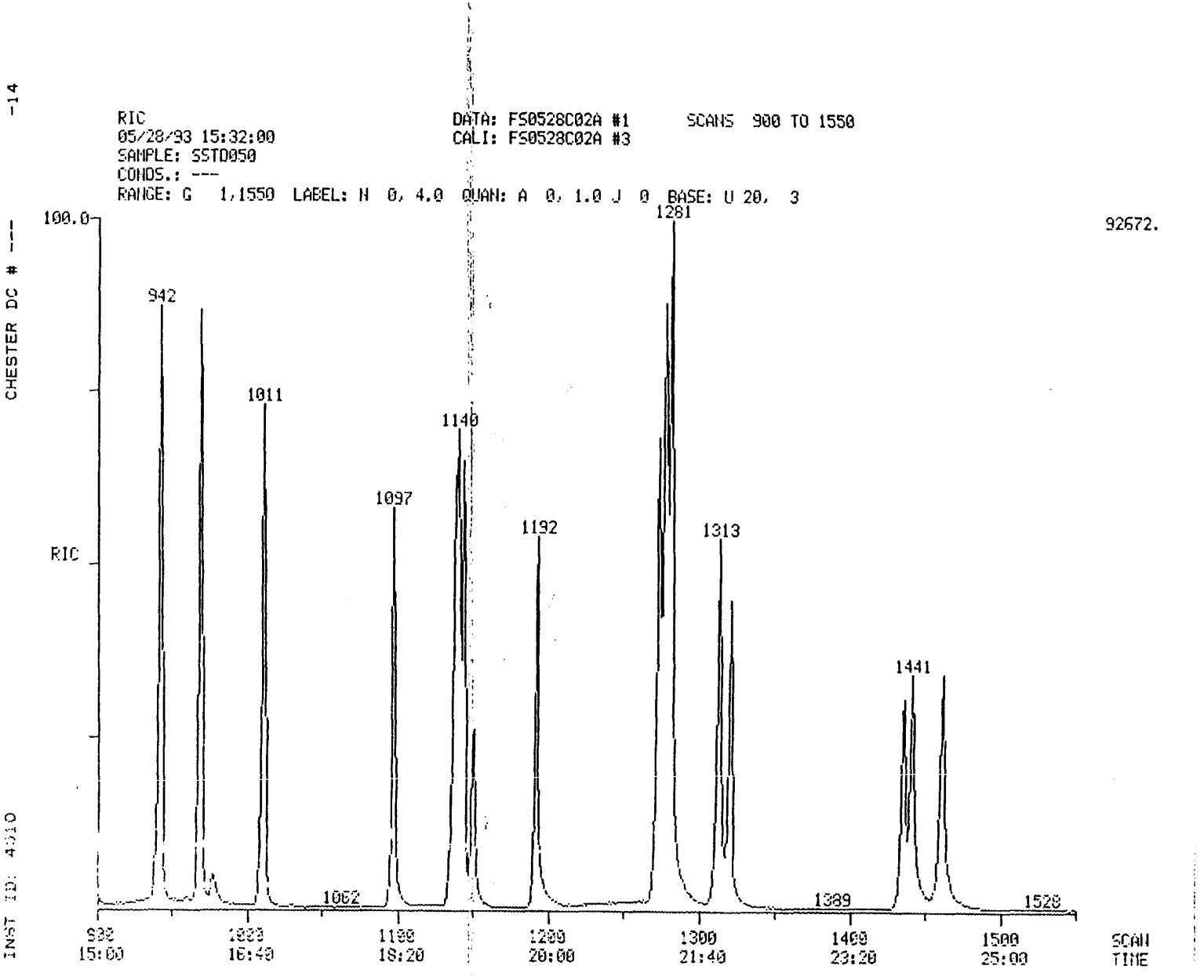
DATAFILE FS0528C02A

	SV COMPOUNDS	M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	184	606	50	7586	1.038	0.189
C560	4-NITROPHENOL	109	637	50	3772	1.091	0.094
C565	DIBENZOFURAN	168	611	50	56560	1.046	1.410
C570	2,4-DINITROTOLUENE	165	627	50	12367	1.074	0.308
C543	2,6-DINITROTOLUENE	165	578	50	10996	0.990	0.274
C580	DIETHYL PHTHALATE	149	673	50	41370	1.152	1.032
C585	4-CHLOROPHENYL PHENYL ETHER	204	667	50	28711	1.142	0.716
C590	FLUORENE	166	656	50	41476	1.123	1.034
C595	4-NITROANILINE	138	677	50	12130	1.159	0.302
C610	4,6-DINITRO-2-METHYLPHENOL	198	682	50	10511	0.875	0.156
C615	N-NITROSODIPHENYLAMINE	169	687	50	40536	0.882	0.601
C625	4-BROMOPHENYL PHENYL ETHER	248	730	50	14916	0.937	0.221
C630	HEXACHLOROBENZENE	284	741	50	13714	0.951	0.203
C635	PENTACHLOROPHENOL	266	772	50	8968	0.991	0.133
C640	PHENANTHRENE	178	782	50	71074	1.004	1.054
C645	ANTHRACENE	178	788	50	62075	1.012	0.920
C650	DI-N-BUTYL PHTHALATE	149	898	50	89337	1.153	1.324
C655	FLUORANTHENE	202	942	50	97119	1.209	1.440
C715	PYRENE	202	969	50	99374	0.850	1.529
C720	BUTYL BENZYL PHTHALATE	149	1097	50	38204	0.962	0.588
C725	3,3'-DICHLOROBENZIDINE	252	1149	50	21513	1.008	0.331
C730	BENZO(A)ANTHRACENE	228	1138	50	75744	0.998	1.166
C745	BIS(2-ETHYLHEXYL)PHTHALATE	149	1192	50	43499	1.046	0.669
C740	CHRYSENE	228	1143	50	58990	1.003	0.908
C760	DI-N-OCTYL PHTHALATE	149	1273	50	97097	0.964	1.680
C765	BENZO(B)FLUORANTHENE	252	1277	50	105852	0.967	1.831
C770	BENZO(K)FLUORANTHENE	252	1281	50	101290	0.970	1.752
C775	BENZO(A)PYRENE	252	1313	50	60917	0.995	1.054
C780	INDENO(1,2,3-CD)PYRENE	276	1436	50	38114	1.088	0.659
C785	DIBENZO(A,H)ANTHRACENE	278	1441	50	37836	1.092	0.654
C790	BENZO(GHI)PERYLENE	276	1462	50	44056	1.108	0.762
C620	1,2-DIPHENYL-HYDRAZINE						



010425

010425



010426

010426

010427

Quantitation Report File: FS0528C02A

Data: FS0528C02A.TI
05/28/93 15:32:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 Instrument: 4510 Weight: 1.000
Submitted by: CHESTER Analyst: JZ Acct. No.: ---

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	C030	1,4-DICHLOROBENZENE-D4 ** IS1 **	
2	C040	NAPHTHALENE-D8 ** IS2 **	
3	C050	ACENAPHTHENE-D10 ** IS3 **	
4	C060	PHENANTHRENE-D10 ** IS4 **	
5	C070	CHRYSENE-D12 ** IS5 **	
6	C075	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

010428

No	Name		
46	C560	4-NITROPHENOL	7A
47	C565	DIBENZOFURAN	
50	C570	2,4-DINITROTOLUENE	27B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	152	217	3:37	1	1.000	A BB	11304.	40.000 UG/L	0.99
2	136	357	5:57	2	1.000	A BB	47496.	40.000 UG/L	0.99
3	164	584	9:44	3	1.000	A VB	32085.	40.000 UG/L	0.99
4	188	779	12:59	4	1.000	A BV	53965.	40.000 UG/L	0.99
5	240	1140	19:00	5	1.000	A BB	51982.	40.000 UG/L	0.99
6	264	1320	22:00	6	1.000	A BB	46249.	40.000 UG/L	0.99
7	112	124	2:04	1	0.571	A BB	21511.	50.000 UG/L	1.24
8	99	204	3:24	1	0.940	A BB	29266.	50.000 UG/L	1.24
9	340	693	11:33	3	1.187	A BB	6855.	50.000 UG/L	1.24
10	82	278	4:38	2	0.779	A BB	23304.	50.000 UG/L	1.24
11	172	506	8:26	3	0.866	A BB	46177.	50.000 UG/L	1.24
12	244	1011	16:51	5	0.887	A BB	80480.	50.000 UG/L	1.24
13	94	205	3:25	1	0.945	A BB	28366.	50.000 UG/L	1.24
14	93	203	3:23	1	0.935	A VB	21252.	50.000 UG/L	1.24
15	128	202	3:22	1	0.931	A BB	19315.	50.000 UG/L	1.24
16	146	212	3:32	1	0.977	A BB	19701.	50.000 UG/L	1.24
17	146	218	3:38	1	1.005	A BB	20238.	50.000 UG/L	1.24
18	108	243	4:03	1	1.120	A BB	2864.	50.000 UG/L	1.24
19	146	236	3:56	1	1.088	A BB	19003.	50.000 UG/L	1.24
20	108	262	4:22	1	1.207	A BB	20168.	50.000 UG/L	1.24
21	45	258	4:18	1	1.189	A BB	32406.	50.000 UG/L	1.24
22	108	280	4:40	1	1.290	A BB	22220.	50.000 UG/L	1.24
23	70	274	4:34	1	1.263	A BB	19287.	50.000 UG/L	1.24
24	117	267	4:27	1	1.230	A BB	8024.	50.000 UG/L	1.24
25	77	280	4:40	2	0.784	A BB	28707.	50.000 UG/L	1.24
26	82	311	5:11	2	0.871	A BB	42433.	50.000 UG/L	1.24
27	139	317	5:17	2	0.888	A VB	12396.	50.000 UG/L	1.24
28	107	340	5:40	2	0.952	A BV	14803.	50.000 UG/L	1.24
29	122	376	6:16	2	1.053	A BB	10345.	50.000 UG/L	1.24
30	93	347	5:47	2	0.972	A BB	26538.	50.000 UG/L	1.24
31	162	350	5:50	2	0.980	A BB	16537.	50.000 UG/L	1.24
32	180	355	5:55	2	0.994	A BB	17538.	50.000 UG/L	1.24
33	128	359	5:59	2	1.006	A BB	55114.	50.000 UG/L	1.24
34	127	377	6:17	2	1.056	A BB	28732.	50.000 UG/L	1.24
35	225	389	6:29	2	1.090	A BB	8531.	50.000 UG/L	1.24
36	107	455	7:35	2	1.275	A BB	18052.	50.000 UG/L	1.24
37	142	448	7:28	2	1.255	A BV	50978.	50.000 UG/L	1.24
38	237	481	8:01	3	0.824	A BB	6889.	50.000 UG/L	1.24
39	196	495	8:15	3	0.848	A BV	12066.	50.000 UG/L	1.24
40	196	501	8:21	3	0.858	A VB	13363.	50.000 UG/L	1.24
41	162	509	8:29	3	0.872	A BB	40359.	50.000 UG/L	1.24
42	65	535	8:55	3	0.916	A BB	16241.	50.000 UG/L	1.24
43	163	574	9:34	3	0.983	A BV	45742.	50.000 UG/L	1.24
44	152	562	9:22	3	0.962	A BB	56758.	50.000 UG/L	1.24
45	138	592	9:52	3	1.014	A BB	14187.	50.000 UG/L	1.24
46	153	588	9:48	3	1.007	A BB	31032.	50.000 UG/L	1.24
47	184	606	10:06	3	1.038	A BB	7586.	50.000 UG/L	1.24
48	109	637	10:37	3	1.091	A BB	3772.	50.000 UG/L	1.24
49	168	611	10:11	3	1.046	A BB	56560.	50.000 UG/L	1.24
50	165	627	10:27	3	1.074	A BB	12367.	50.000 UG/L	1.24

010429

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	3:37	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	5:57	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	9:44	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	12:59	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	19:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	22:00	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	2:04	1.00	0.571	1.00	50.00	50.00	1.522	1.522	1.00
8	3:24	1.00	0.940	1.00	50.00	50.00	2.071	2.071	1.00
9	11:33	1.00	1.187	1.00	50.00	50.00	0.171	0.171	1.00
10	4:38	1.00	0.779	1.00	50.00	50.00	0.393	0.393	1.00
11	8:26	1.00	0.866	1.00	50.00	50.00	1.151	1.151	1.00
12	16:51	1.00	0.887	1.00	50.00	50.00	1.239	1.239	1.00
13	3:25	1.00	0.945	1.00	50.00	50.00	2.007	2.007	1.00
14	3:23	1.00	0.935	1.00	50.00	50.00	1.504	1.504	1.00
15	3:22	1.00	0.931	1.00	50.00	50.00	1.367	1.367	1.00
16	3:32	1.00	0.977	1.00	50.00	50.00	1.394	1.394	1.00
17	3:38	1.00	1.005	1.00	50.00	50.00	1.432	1.432	1.00
18	4:03	1.00	1.120	1.00	50.00	50.00	0.203	0.203	1.00
19	3:56	1.00	1.088	1.00	50.00	50.00	1.345	1.345	1.00
20	4:22	1.00	1.207	1.00	50.00	50.00	1.427	1.427	1.00
21	4:18	1.00	1.189	1.00	50.00	50.00	2.293	2.293	1.00
22	4:40	1.00	1.290	1.00	50.00	50.00	1.573	1.573	1.00
23	4:34	1.00	1.263	1.00	50.00	50.00	1.365	1.365	1.00
24	4:27	1.00	1.230	1.00	50.00	50.00	0.568	0.568	1.00
25	4:40	1.00	0.784	1.00	50.00	50.00	0.484	0.484	1.00
26	5:11	1.00	0.871	1.00	50.00	50.00	0.715	0.715	1.00
27	5:17	1.00	0.888	1.00	50.00	50.00	0.209	0.209	1.00
28	5:40	1.00	0.952	1.00	50.00	50.00	0.249	0.249	1.00
29	6:16	1.00	1.053	1.00	50.00	50.00	0.174	0.174	1.00
30	5:47	1.00	0.972	1.00	50.00	50.00	0.447	0.447	1.00
31	5:50	1.00	0.980	1.00	50.00	50.00	0.279	0.279	1.00
32	5:55	1.00	0.994	1.00	50.00	50.00	0.295	0.295	1.00
33	5:59	1.00	1.006	1.00	50.00	50.00	0.928	0.928	1.00
34	6:17	1.00	1.056	1.00	50.00	50.00	0.484	0.484	1.00
35	6:29	1.00	1.090	1.00	50.00	50.00	0.144	0.144	1.00
36	7:35	1.00	1.275	1.00	50.00	50.00	0.304	0.304	1.00
37	7:28	1.00	1.255	1.00	50.00	50.00	0.859	0.859	1.00
38	8:01	1.00	0.824	1.00	50.00	50.00	0.172	0.172	1.00
39	8:15	1.00	0.848	1.00	50.00	50.00	0.301	0.301	1.00
40	8:21	1.00	0.858	1.00	50.00	50.00	0.333	0.333	1.00
41	8:29	1.00	0.872	1.00	50.00	50.00	1.006	1.006	1.00
42	8:55	1.00	0.916	1.00	50.00	50.00	0.405	0.405	1.00
43	9:34	1.00	0.983	1.00	50.00	50.00	1.141	1.141	1.00
44	9:22	1.00	0.962	1.00	50.00	50.00	1.415	1.415	1.00
45	9:52	1.00	1.014	1.00	50.00	50.00	0.354	0.354	1.00
46	9:48	1.00	1.007	1.00	50.00	50.00	0.774	0.774	1.00
47	10:06	1.00	1.038	1.00	50.00	50.00	0.189	0.189	1.00
48	10:37	1.00	1.091	1.00	50.00	50.00	0.094	0.094	1.00
49	10:11	1.00	1.046	1.00	50.00	50.00	1.410	1.410	1.00
50	10:27	1.00	1.074	1.00	50.00	50.00	0.308	0.308	1.00

010430

Quantitation Report File: FS0528C02A

Data: FS0528C02A.TI
05/28/93 15:32:00
Sample: SSTD050
Conds.: ---
Formula: 05/26/93 Instrument: 4510 Weight: 1.000
Submitted by: CHESTER Analyst: JZ 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	578	9:38	3	0.990	A BV	10996.	50.000 UG/L	1.24
52	149	673	11:13	3	1.152	A BB	41370.	50.000 UG/L	1.24
53	204	667	11:07	3	1.142	A BB	28711.	50.000 UG/L	1.24
54	166	656	10:56	3	1.123	A BB	41476.	50.000 UG/L	1.24
55	138	677	11:17	3	1.159	A BB	12130.	50.000 UG/L	1.24
56	198	682	11:22	4	0.875	A BB	10511.	50.000 UG/L	1.24
57	169	687	11:27	4	0.882	A BB	40536.	50.000 UG/L	1.24
58	248	730	12:10	4	0.937	A BB	14916.	50.000 UG/L	1.24
59	284	741	12:21	4	0.951	A BB	13714.	50.000 UG/L	1.24
60	266	772	12:52	4	0.991	A BB	8968.	50.000 UG/L	1.24
61	178	782	13:02	4	1.004	A BV	71074.	50.000 UG/L	1.24

010431

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
62	178	788	13:08	4	1.012	A VB	62075.	50.000 UG/L	1.24
63	149	898	14:58	4	1.153	A VB	89337.	50.000 UG/L	1.24
64	202	942	15:42	4	1.209	A VB	97119.	50.000 UG/L	1.24
65	202	969	16:09	5	0.850	A VB	99374.	50.000 UG/L	1.24
66	149	1097	18:17	5	0.962	A BB	38204.	50.000 UG/L	1.24
67	252	1149	19:09	5	1.008	A BB	21513.	50.000 UG/L	1.24
68	228	1138	18:58	5	0.998	A BV	75743.	50.000 UG/L	1.24
69	149	1192	19:52	5	1.046	A BB	43499.	50.000 UG/L	1.24
70	228	1143	19:03	5	1.003	A VB	58990.	50.000 UG/L	1.24
71	149	1273	21:13	6	0.964	A BB	97096.	50.000 UG/L	1.24
72	252	1277	21:17	6	0.967	M XX	105852.	50.000 UG/L	1.24
73	252	1281	21:21	6	0.970	M XX	101290.	50.000 UG/L	1.24
74	252	1313	21:53	6	0.995	A BB	60917.	50.000 UG/L	1.24
75	276	1436	23:56	6	1.088	A BV	38114.	50.000 UG/L	1.24
76	278	1441	24:01	6	1.092	A BB	37836.	50.000 UG/L	1.24
77	276	1462	24:22	6	1.108	A BB	44056.	50.000 UG/L	1.24
78	74	60	1:00	1	0.276	A BB	20126.	50.000 UG/L	1.24
79	184	764	12:44	5	0.670	M XX	543.	50.000 UG/L	1.24
80	132	201	3:21	1	0.926	A BB	27685.	50.000 UG/L	1.24
81	152	234	3:54	1	1.078	M XX	12270.	50.000 UG/L	1.24
82	167	819	13:39	4	1.051	M XX	63868.	50.000 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	9:38	1.00	0.990	1.00	50.00	50.00	0.274	0.274	1.00
52	11:13	1.00	1.152	1.00	50.00	50.00	1.032	1.032	1.00
53	11:07	1.00	1.142	1.00	50.00	50.00	0.716	0.716	1.00
54	10:56	1.00	1.123	1.00	50.00	50.00	1.034	1.034	1.00
55	11:17	1.00	1.159	1.00	50.00	50.00	0.302	0.302	1.00
56	11:22	1.00	0.875	1.00	50.00	50.00	0.156	0.156	1.00
57	11:27	1.00	0.882	1.00	50.00	50.00	0.601	0.601	1.00
58	12:10	1.00	0.937	1.00	50.00	50.00	0.221	0.221	1.00
59	12:21	1.00	0.951	1.00	50.00	50.00	0.203	0.203	1.00
60	12:52	1.00	0.991	1.00	50.00	50.00	0.133	0.133	1.00
61	13:02	1.00	1.004	1.00	50.00	50.00	1.054	1.054	1.00
62	13:08	1.00	1.012	1.00	50.00	50.00	0.920	0.920	1.00
63	14:58	1.00	1.153	1.00	50.00	50.00	1.324	1.324	1.00
64	15:42	1.00	1.209	1.00	50.00	50.00	1.440	1.440	1.00
65	16:09	1.00	0.850	1.00	50.00	50.00	1.529	1.529	1.00
66	18:17	1.00	0.962	1.00	50.00	50.00	0.588	0.588	1.00
67	19:09	1.00	1.008	1.00	50.00	50.00	0.331	0.331	1.00
68	18:58	1.00	0.998	1.00	50.00	50.00	1.166	1.166	1.00
69	19:52	1.00	1.046	1.00	50.00	50.00	0.669	0.669	1.00
70	19:03	1.00	1.003	1.00	50.00	50.00	0.908	0.908	1.00
71	21:13	1.00	0.964	1.00	50.00	50.00	1.680	1.680	1.00
72	21:17	1.00	0.967	1.00	50.00	50.00	1.831	1.831	1.00
73	21:21	1.00	0.970	1.00	50.00	50.00	1.752	1.752	1.00
74	21:53	1.00	0.995	1.00	50.00	50.00	1.054	1.054	1.00
75	23:56	1.00	1.088	1.00	50.00	50.00	0.659	0.659	1.00
76	24:01	1.00	1.092	1.00	50.00	50.00	0.654	0.654	1.00
77	24:22	1.00	1.108	1.00	50.00	50.00	0.762	0.762	1.00
78	1:00	1.00	0.276	1.00	50.00	50.00	1.424	1.424	1.00
79	12:44	1.00	0.670	1.00	50.00	50.00	0.008	0.008	1.00
80	3:21	1.00	0.926	1.00	50.00	50.00	1.959	1.959	1.00
81	3:54	1.00	1.078	1.00	50.00	50.00	0.868	0.868	1.00
82	13:39	1.00	1.051	1.00	50.00	50.00	0.947	0.947	1.00

010432

THE FOLLOWING DATA IS

FOR QA/QC

010432

010433

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1 MS

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519103
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C03
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	68000	65000 J
C740	CHRYSENE	68000	66000 J
C765	BENZO(B)FLUORANTHENE	68000	71000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	30000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	31000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	9600 J

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

010434

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1 MS

ORGANICS ANALYSIS DATA SHEET

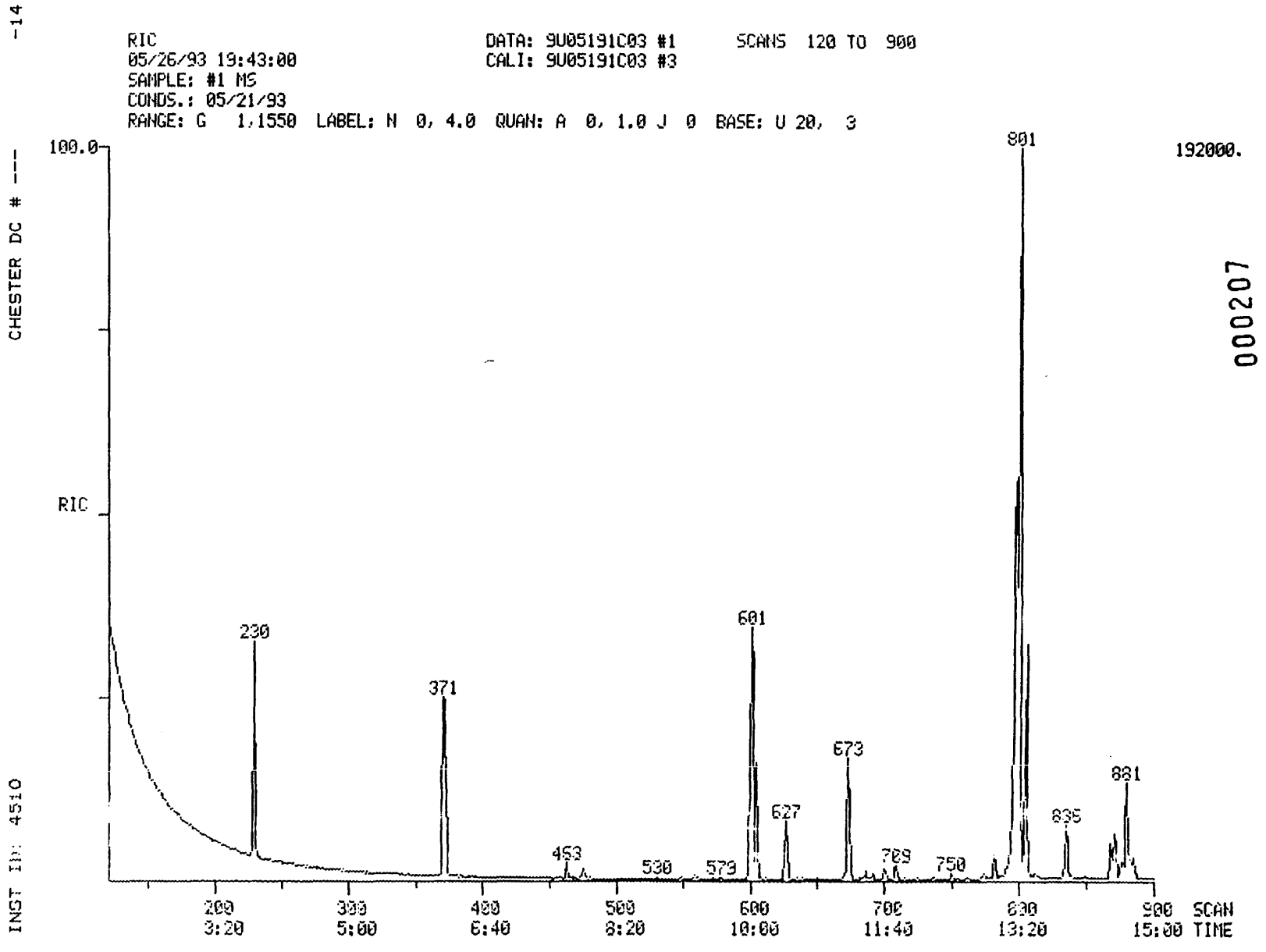
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519103
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C03
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

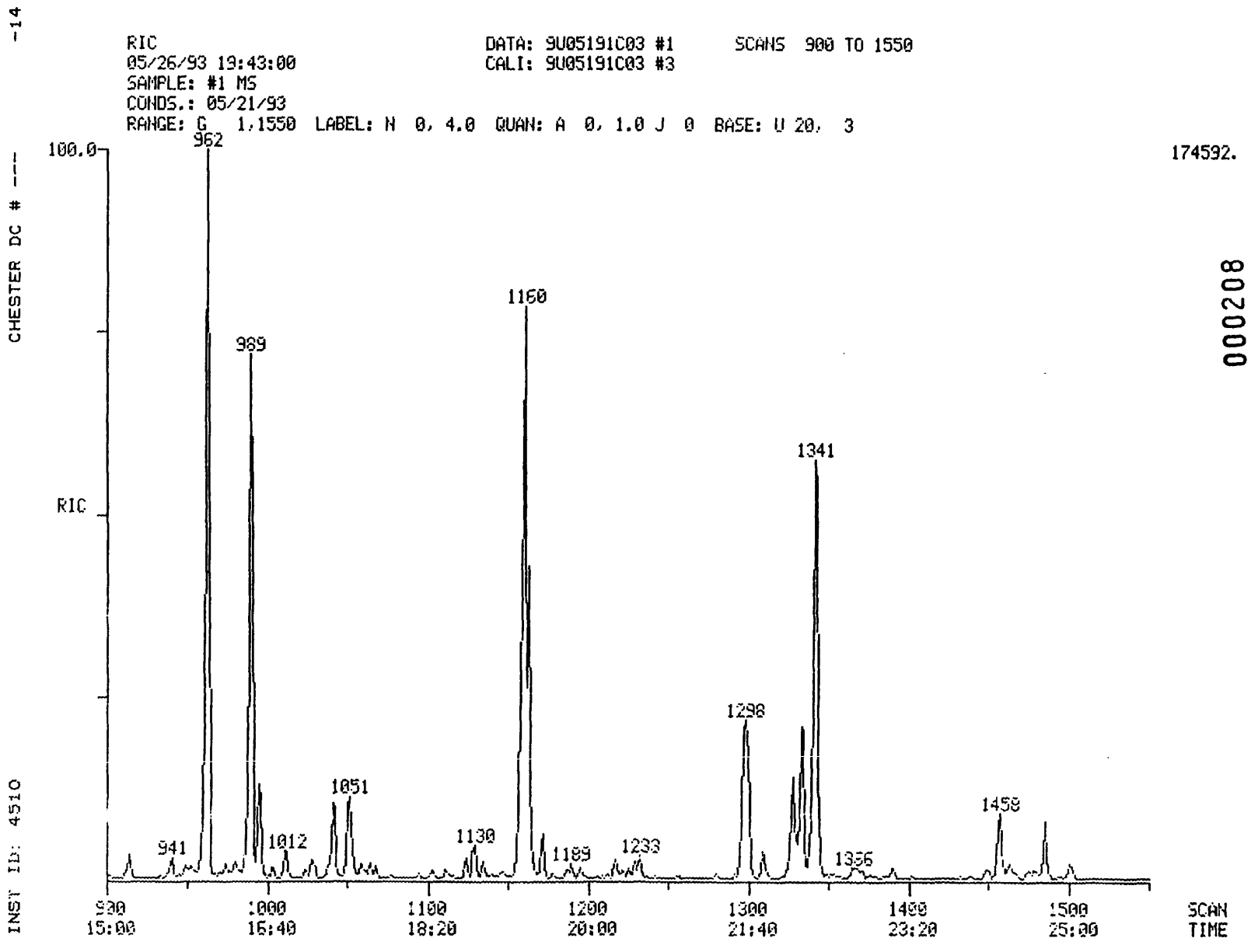
	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	68000	43000 J
C540	ACENAPHTHYLENE	68000	2400 J
C550	ACENAPHTHENE	68000	53000 J
C590	FLUORENE	68000	69000
C640	PHENANTHRENE	68000	210000
C645	ANTHRACENE	68000	67000 J
C655	FLUORANTHENE	68000	180000
C715	PYRENE	68000	140000
C730	BENZO(A)ANTHRACENE	68000	65000 J
C740	CHRYSENE	68000	66000 J
C765	BENZO(B)FLUORANTHENE	68000	71000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	30000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	31000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	9600 J
C790	BENZO(GHI)PERYLENE	68000	24000 J

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



000207

010435



000208

010436

010436

010437

CHESTER DC # ----14

SEMIVOLATILE SOIL REPORT

SAMPLE ID. #1 MS

FILENAME 9U05191C03 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 19:43:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 6800.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
230	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	136000 UG/KG	1.000	1741
371	CI40	NAPHTHALENE-D8 ** IS2 **		136	136000 UG/KG	1.000	5125
601	CI50	ACENAPHTHENE-D10 ** IS3 **		164	136000 UG/KG	1.000	4345
797	CI60	PHENANTHRENE-D10 ** IS4 **		188	136000 UG/KG	1.000	11293
1160	CI70	CHRYSENE-D12 ** IS5 **		240	136000 UG/KG	1.000	10832
1341	CI75	PERYLENE-D12 ** IS6 **		264	136000 UG/KG	1.000	10036
373	C450	NAPHTHALENE	39B	128	42761 UG/KG	1.005	1450
579	C540	ACENAPHTHYLENE	2B	152	2359 UG/KG	0.963	108
605	C550	ACENAPHTHENE	1B	153	53240 UG/KG	1.007	1374
673	C590	FLUORENE	32B	166	68816 UG/KG	1.120	2367
801	C640	PHENANTHRENE	44B	178	213600 UG/KG	1.005	20147
806	C645	ANTHRACENE	3B	178	67050 UG/KG	1.011	5787
962	C655	FLUORANTHENE	31B	202	177020 UG/KG	1.207	19155
989	C715	PYRENE	45B	202	138444 UG/KG	0.853	14485
1158	C730	BENZO(A)ANTHRACENE	5B	228	65215 UG/KG	0.998	6267
1163	C740	CHRYSENE	18B	228	66373 UG/KG	1.003	5243
1298	C765	BENZO(B)FLUORANTHENE	7B	252	70809 UG/KG	0.968	6560
1328	C775	BENZO(A)PYRENE	6B	252	30118 UG/KG	0.990	2218
1458	C780	INDENO(1,2,3-CD)PYRENE	37B	276	31381 UG/KG	1.087	1862
1464	C785	DIBENZO(A,H)ANTHRACENE	19B	278	9622 UG/KG	1.092	550
1485	C790	BENZO(GHI)PERYLENE	8B	276	24313 UG/KG	1.107	1575

*SURROGATES WERE DILUTED OUIT

010438

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1 MSD

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519104
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C04
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	68000	94000
C740	CHRYSENE	68000	82000
C765	BENZO(B)FLUORANTHENE	68000	100000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	45000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	47000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	17000 J

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

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: #1 MSD

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519104
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 05/21/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U05191C04
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/26/93

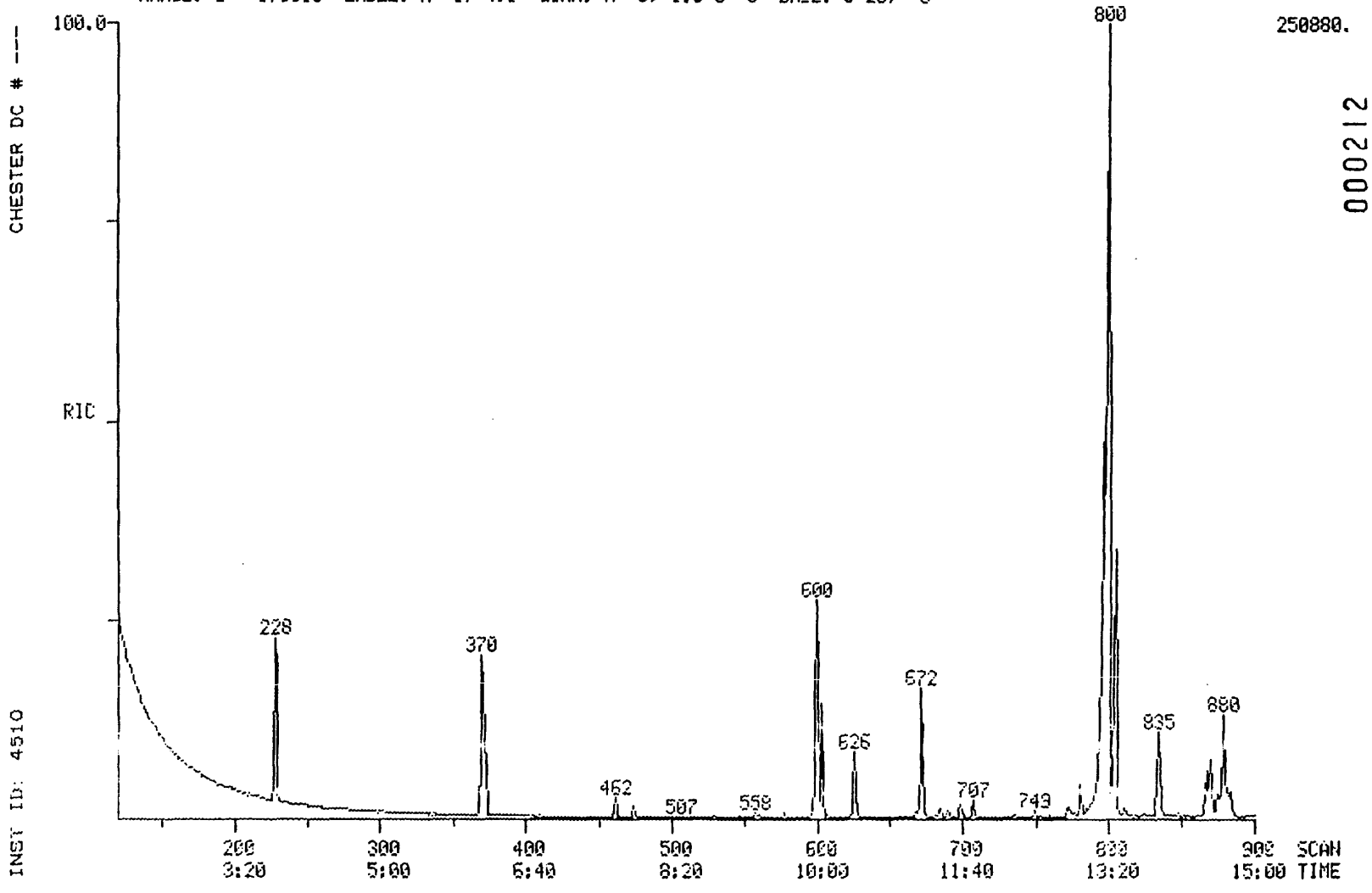
	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	68000	64000 J
C540	ACENAPHTHYLENE	68000	4200 J
C550	ACENAPHTHENE	68000	64000 J
C590	FLUORENE	68000	89000
C640	PHENANTHRENE	68000	280000
C645	ANTHRACENE	68000	83000
C655	FLUORANTHENE	68000	240000
C715	PYRENE	68000	190000
C730	BENZO(A)ANTHRACENE	68000	94000
C740	CHRYSENE	68000	82000
C765	BENZO(B)FLUORANTHENE	68000	100000
C770	BENZO(K)FLUORANTHENE	68000 U	
C775	BENZO(A)PYRENE	68000	45000 J
C780	INDENO(1,2,3-CD)PYRENE	68000	47000 J
C785	DIBENZO(A,H)ANTHRACENE	68000	17000 J
C790	BENZO(GHI)PERYLENE	68000	38000 J

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

-14

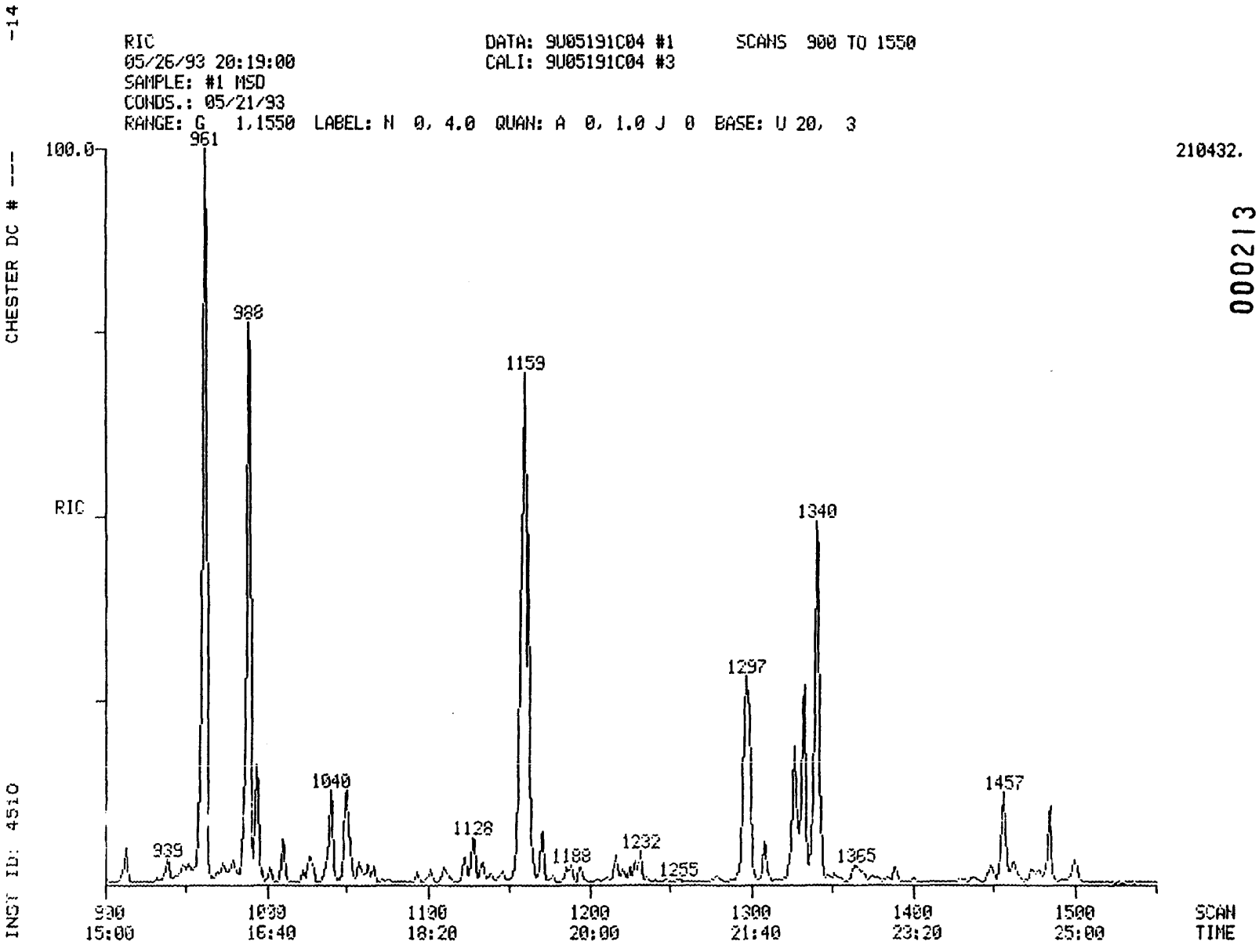
RIC
05/26/93 20:19:00
SAMPLE: #1 MSD
CONDS.: 05/21/93
RANGE: G 1,1550 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 9U05191C04 #1 SCANS 120 TO 900
CALI: 9U05191C04 #3



000212

010440



000213

010441

010441

010442

CHESTER DC # ----14

SEMIVOLATILE SOIL REPORT

SAMPLE ID. #1 MSD

FILENAME 9U05191C04 INST ID. 4510

CLIENT DAMES&MO ANALYST JDD

DATE INJECTED 05/26/93 20:19:00 VERIFIED BY JDD

CALIB STD DATE 052693 CORR. FACTOR 6800.00

SCAN#		SEMIVOLATILE COMPOUNDS		M/E	AMOUNT	RRT	AREA
228	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **		152	136000 UG/KG	1.000	1674
370	CI40	NAPHTHALENE-D8 ** IS2 **		136	136000 UG/KG	1.000	5037
600	CI50	ACENAPHTHENE-D10 ** IS3 **		164	136000 UG/KG	1.000	4454
796	CI60	PHENANTHRENE-D10 ** IS4 **		188	136000 UG/KG	1.000	11987
1159	CI70	CHRYSENE-D12 ** IS5 **		240	136000 UG/KG	1.000	11356.
1340	CI75	PERYLENE-D12 ** IS6 **		264	136000 UG/KG	1.000	10429
372	C450	NAPHTHALENE	39B	128	63913 UG/KG	1.005	2130
577	C540	ACENAPHTHYLENE	2B	152	4153 UG/KG	0.962	195
604	C550	ACENAPHTHENE	1B	153	64048 UG/KG	1.007	1695
672	C590	FLUORENE	32B	166	89092 UG/KG	1.120	3142
800	C640	PHENANTHRENE	44B	178	279977 UG/KG	1.005	28030
805	C645	ANTHRACENE	3B	178	83496 UG/KG	1.011	7649
961	C655	FLUORANTHENE	31B	202	235850 UG/KG	1.207	27088
988	C715	PYRENE	45B	202	194136 UG/KG	0.852	21294
1157	C730	BENZO(A)ANTHRACENE	5B	228	93730 UG/KG	0.998	9443
1162	C740	CHRYSENE	18B	228	82329 UG/KG	1.003	6818
1297	C765	BENZO(B)FLUORANTHENE	7B	252	104829 UG/KG	0.968	10091
1327	C775	BENZO(A)PYRENE	6B	252	45470 UG/KG	0.990	3480
1457	C780	INDENO(1,2,3-CD)PYRENE	37B	276	47383 UG/KG	1.087	2921
1463	C785	DIBENZO(A,H)ANTHRACENE	19B	278	16677 UG/KG	1.092	991
1485	C790	BENZO(GHI)PERYLENE	8B	276	37992 UG/KG	1.108	2557

*SURROGATES WERE DILUTED OUT

010443

CHESTER LABNET DC # --- 8

INST ID: 4530

SAMPLE NUMBER: SBLK (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519101
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 5U05191C01
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	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

010444

INST ID: 4530 SAMPLE NUMBER: SBLK (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930519101
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 5U05191C01
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

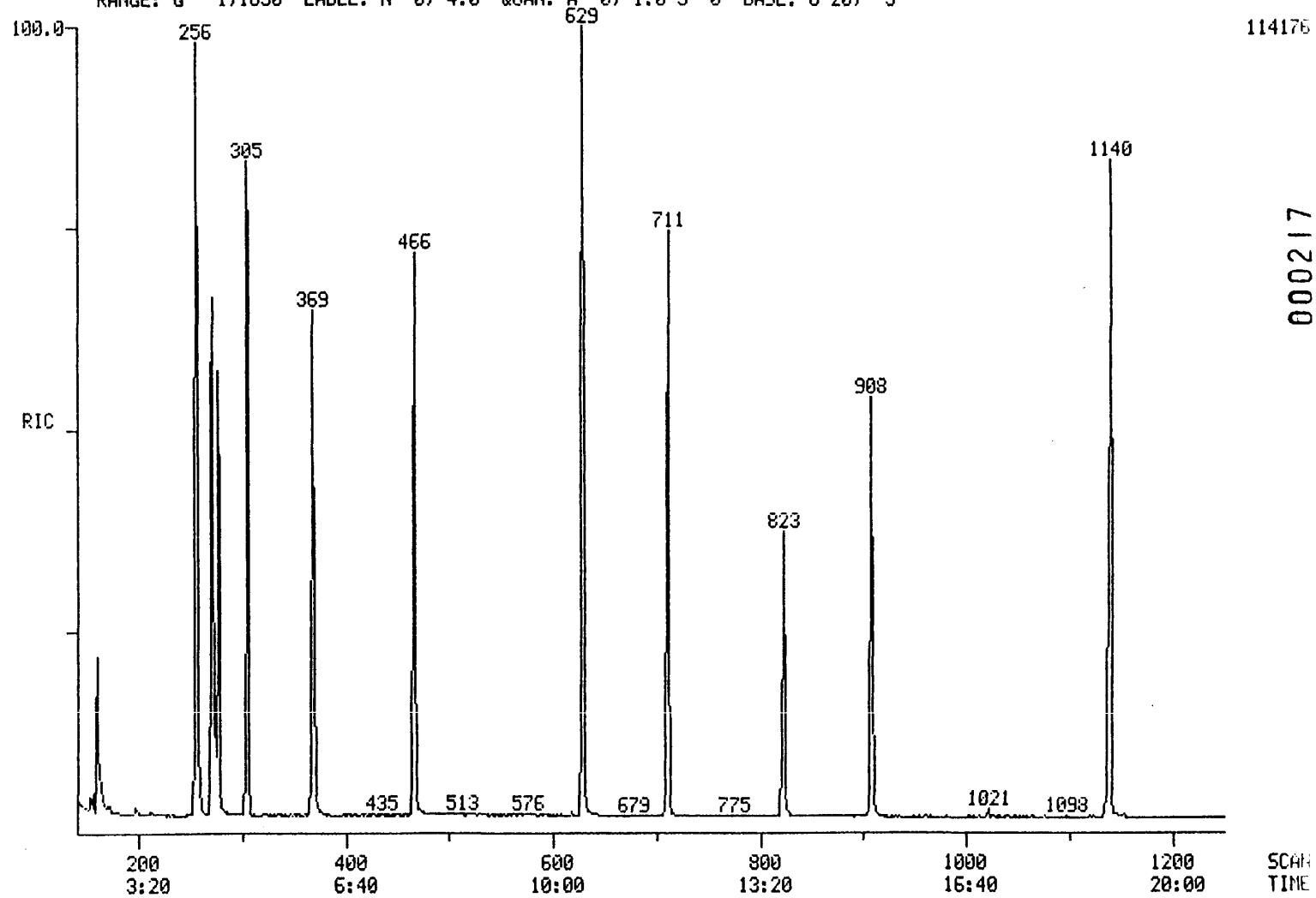
	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	330 U	
C540	ACENAPHTHYLENE	330 U	
C550	ACENAPHTHENE	330 U	
C590	FLUORENE	330 U	
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330 U	
C730	BENZO(A)ANTHRACENE	330 U	
C740	CHRYSENE	330 U	
C765	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	
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

RIC
05/25/93 16:15:00
SAMPLE: SBLK (LLS)
CONDS.: ---
RANGE: G 1,1630 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 5U05191C01 #1 SCANS 140 TO 1250
CALI: 5U05191C01 #3

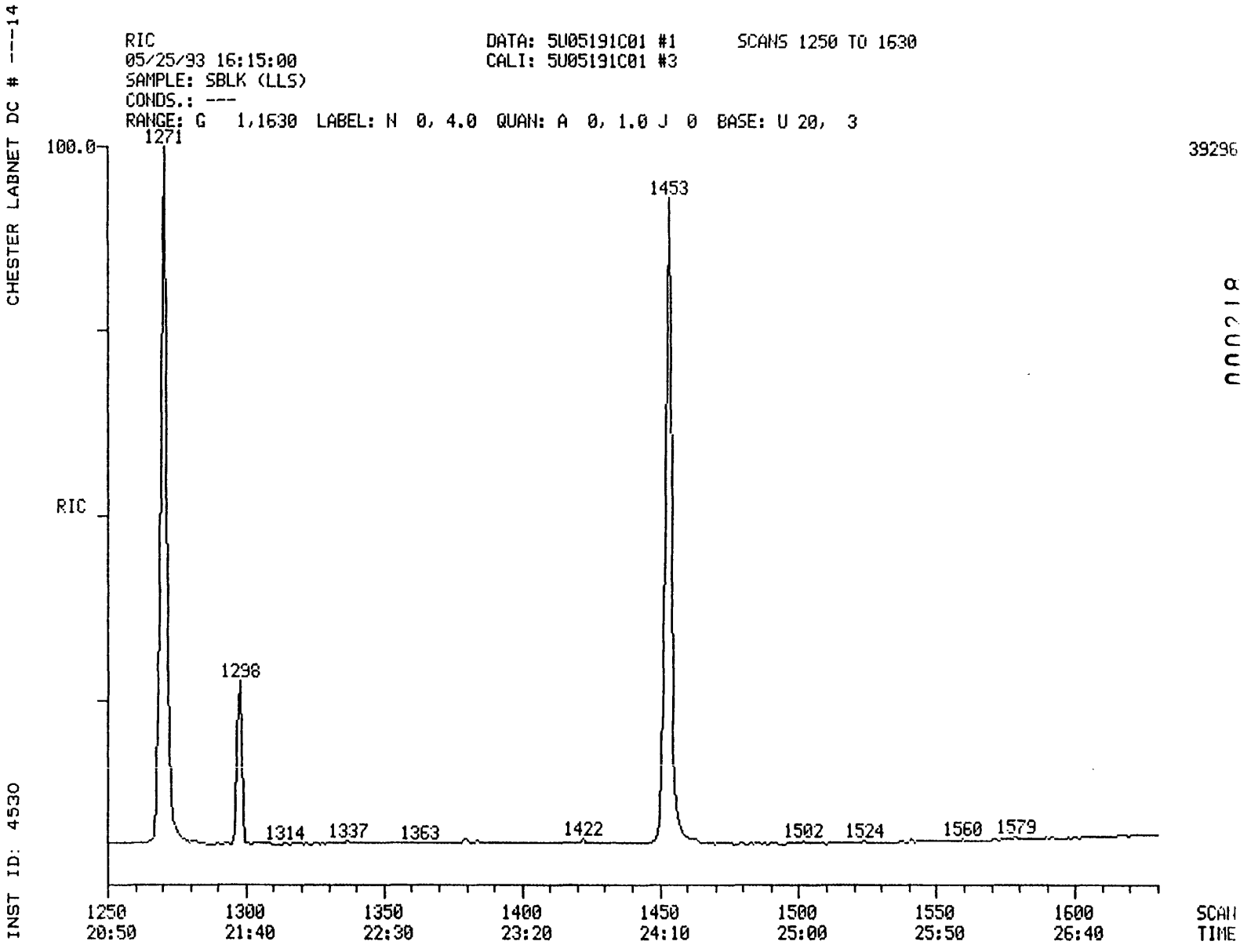


114176

000217

INST ID: 4530

010445



010446

010446

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010447

SAMPLE ID.	SBLK (LLS)		
FILENAME	5U05191C01	INST ID.	4530
CLIENT	CHESTER	ANALYST	SC
DATE INJECTED	05/25/93 16:15:00	VERIFIED BY	SC
CALIB STD DATE	05/12/93	CORR. FACTOR	33.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
277	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	660 UG/KG	1.000	21
466	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000	85
711	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000	36
908	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000	55
1271	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000	37
1453	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000	341
133	CS50	2-FLUOROPHENOL ** SU1 **	112	59 %	0.480	77
271	CS45	PHENOL-D5 ** SU2 **	99	53 %	0.978	94
822	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	72 %	1.156	12
256	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	60 %	0.924	96
305	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	72 %	1.101	364
369	CS20	NITROBENZENE-D5 ** SU3 **	82	76 %	0.792	727
629	CS25	2-FLUOROBIPHENYL **SU4 **	172	63 %	0.885	827
1140	CS30	TERPHENYL-D14 ** SU6 **	244	88 %	0.897	97

010448

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: SBLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 93---
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: .... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9B05191C01
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	330 U	
C540	ACENAPHTHYLENE	330 U	
C550	ACENAPHTHENE	330 U	
C590	FLUORENE	330 U	
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330 U	
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	
C790	BENZO(GHI)PERYLENE	330 U	

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

010449

CHESTER DC # --- - 8

INST ID: 4510 SAMPLE NUMBER: SBLK

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 93---
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY..... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9B05191C01
DATE EXTRACTED: 05/24/93
DATE ANALYZED: 05/25/93

	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

000221

010449

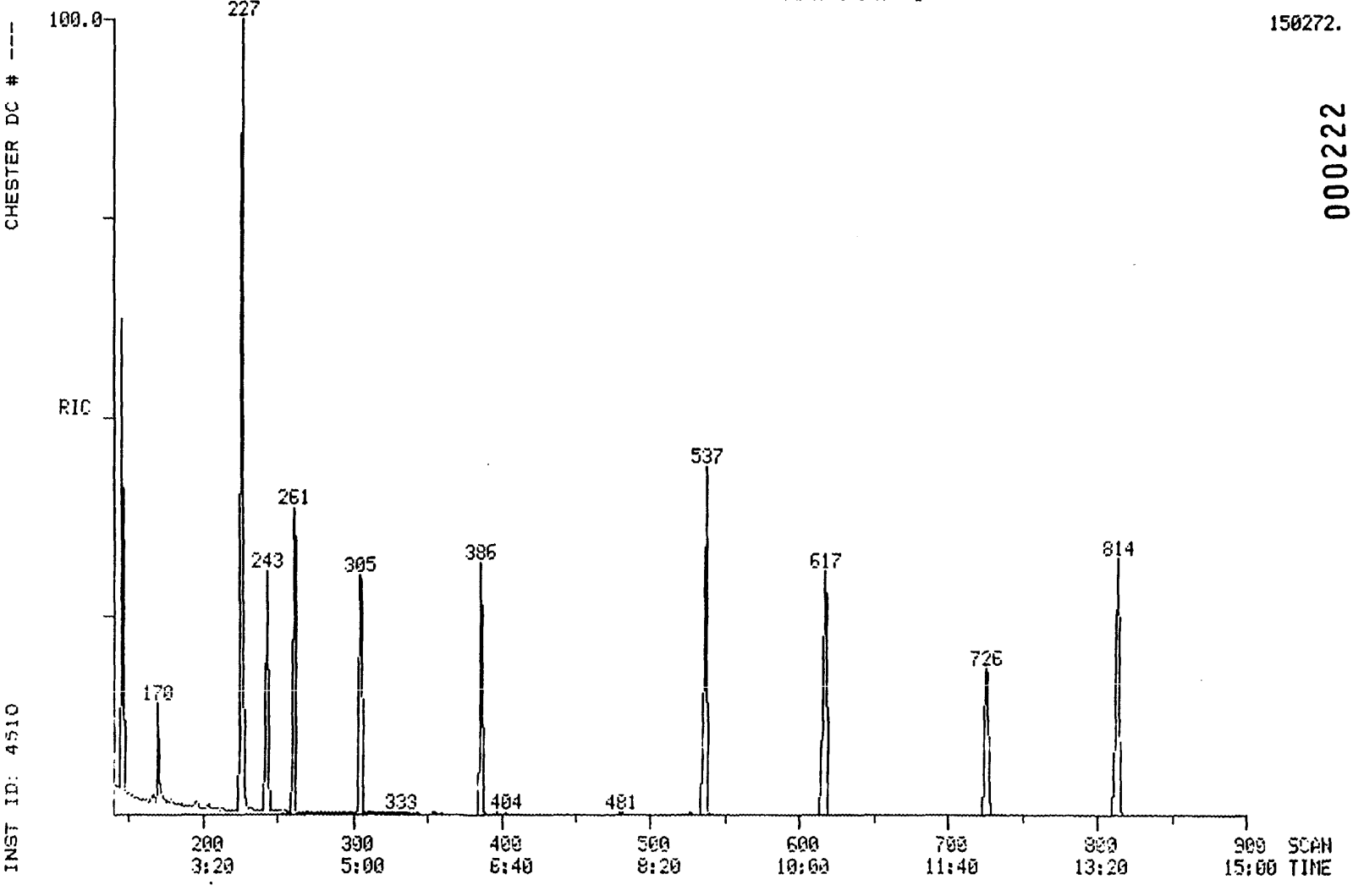
-14

RIC
05/25/93 16:20:00
SAMPLE: SBLK
CONDS.: ---
RANGE: G 1,1650 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

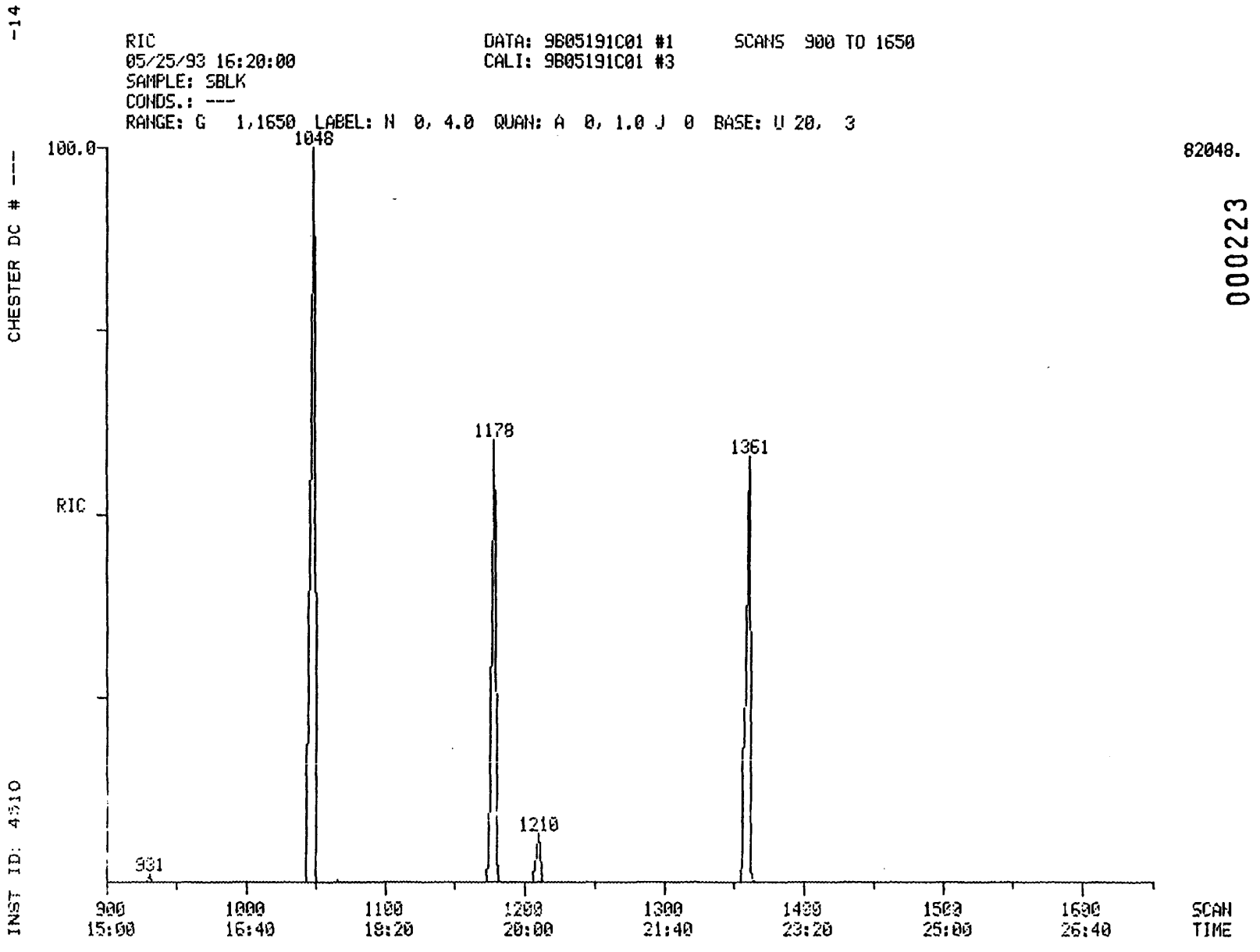
DATA: 9B05191C01 #1 SCANS 140 TO 900
CALI: 9B05191C01 #3

150272.

000222



010450



000223

010451

010451

010452

CHESTER DC # ----14

SEMIVOLATILE SOIL REPORT

SAMPLE ID.	SBLK		
FILENAME	9B05191C01	INST ID.	4510
CLIENT	CHESTER	ANALYST	JDD
DATE INJECTED	05/25/93 16:20:00	VERIFIED BY	JDD
CALIB STD DATE	051293	CORR. FACTOR	33.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
243	CI30	1,4-DICHLOROBENZENE-D4 ** IS1 **	152	660 UG/KG	1.000	1212
386	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000	5119
617	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000	3375
814	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000	6048
1178	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000	5672
1360	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000	5483
146	CS50	2-FLUOROPHENOL ** SU1 **	112	58 %	0.601	4349
227	CS45	PHENOL-D5 ** SU2 **	99	51 %	0.934	4970
726	CS55	2,4,6-TRIBROMOPHENOL ** SU5 **	330	72 %	1.177	1202
226	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	56 %	0.930	5212
261	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	152	68 %	1.074	1869
305	CS20	NITROBENZENE-D5 ** SU3 **	82	74 %	0.790	3193
537	CS25	2-FLUOROBIPHENYL ** SU4 **	172	67 %	0.870	6639
1048	CS30	TERPHENYL-D14 ** SU6 **	244	72 %	0.890	11879

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:		Laboratory:	CHESTER	Contract:	
Inst ID:	4530	Sens Date:	05/25/93	Sens Time:	12:05:00
Lab ID:	ES0525C01	Cali Date:	05/12/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 261		
51	30 to 60% of mass 198	49.47		
68	less than 2% of mass 69	0.00	(0.00)	1
69	mass 69 relative abundance	64.32		
70	less than 2% of mass 69	0.00	(0.00)	1
127	40 TO 60% of mass 198	56.24		
197	less than 1% of mass 198	0.00		
198	base peak, 100% relative abundance	100.00		
199	5 TO 9% of mass 198	6.17		
275	10 TO 30% of mass 198	22.85		
365	greater than 1% of mass 198	1.47		
441	less than mass 443	8.00		
442	greater than 40% of mass 198	48.24		
443	17 TO 23% of mass 442	9.69	(20.09)	2

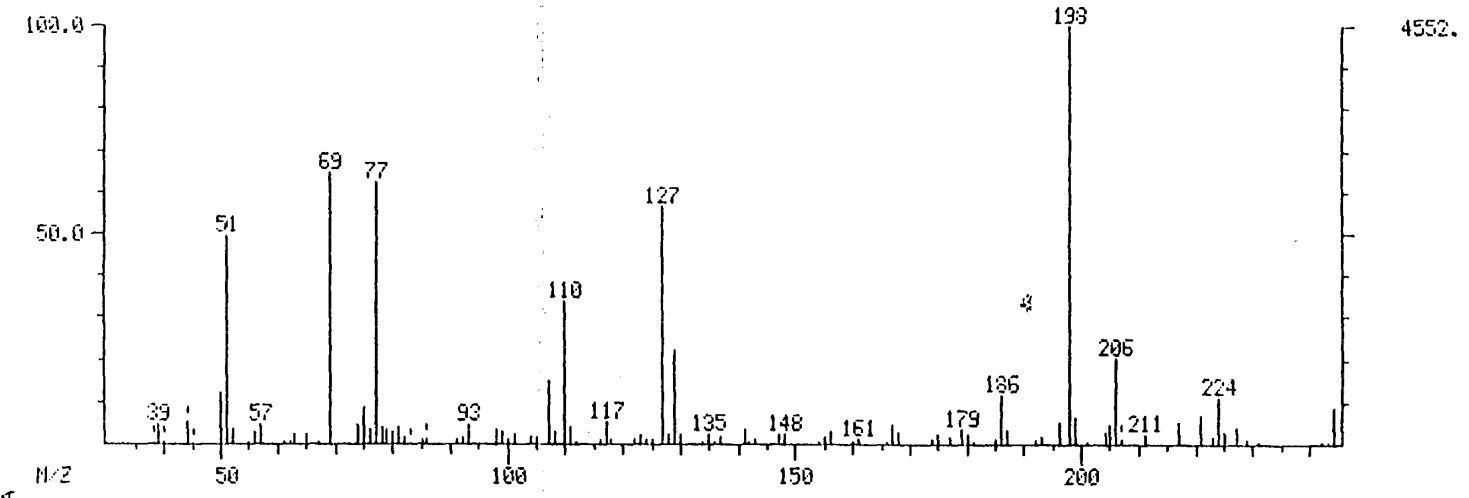
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

CHESTER LABNET DC # ---15

MASS SPECTRUM
05/25/93 12:05:00 + 4:22
SAMPLE: DFTPP
CONDS.: ---
#261 TO #263 SUMMED - #240

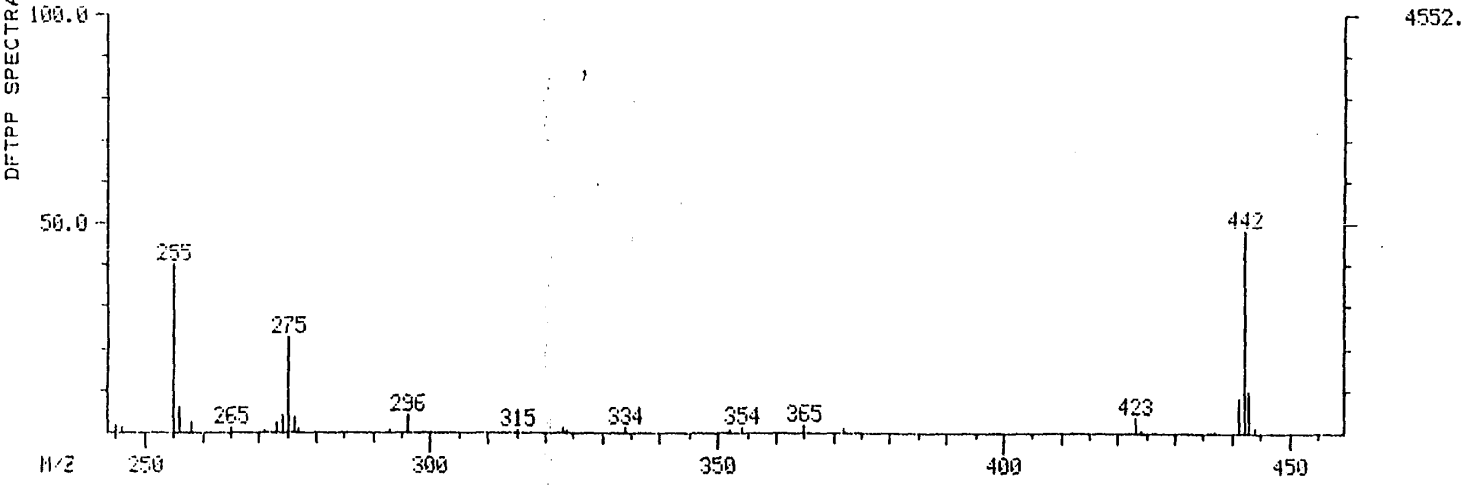
DATA: ES0525C01 #262
CALI: ES0525C01 #3

BASE M/Z: 198
RIC: 38720.



DFTPP SPECTRA

INST ID: 4530



000226

010454

010454

010455

INST ID: 4530

CHESTER LABNET DC # ---15

DFTPP MASS LISTING

Mass List
05/25/93 12:05:00 + 4:22
Sample: DFTPP
Conds.: ---

Data: ES0525C01 # 262
Cali: ES0525C01 # 3

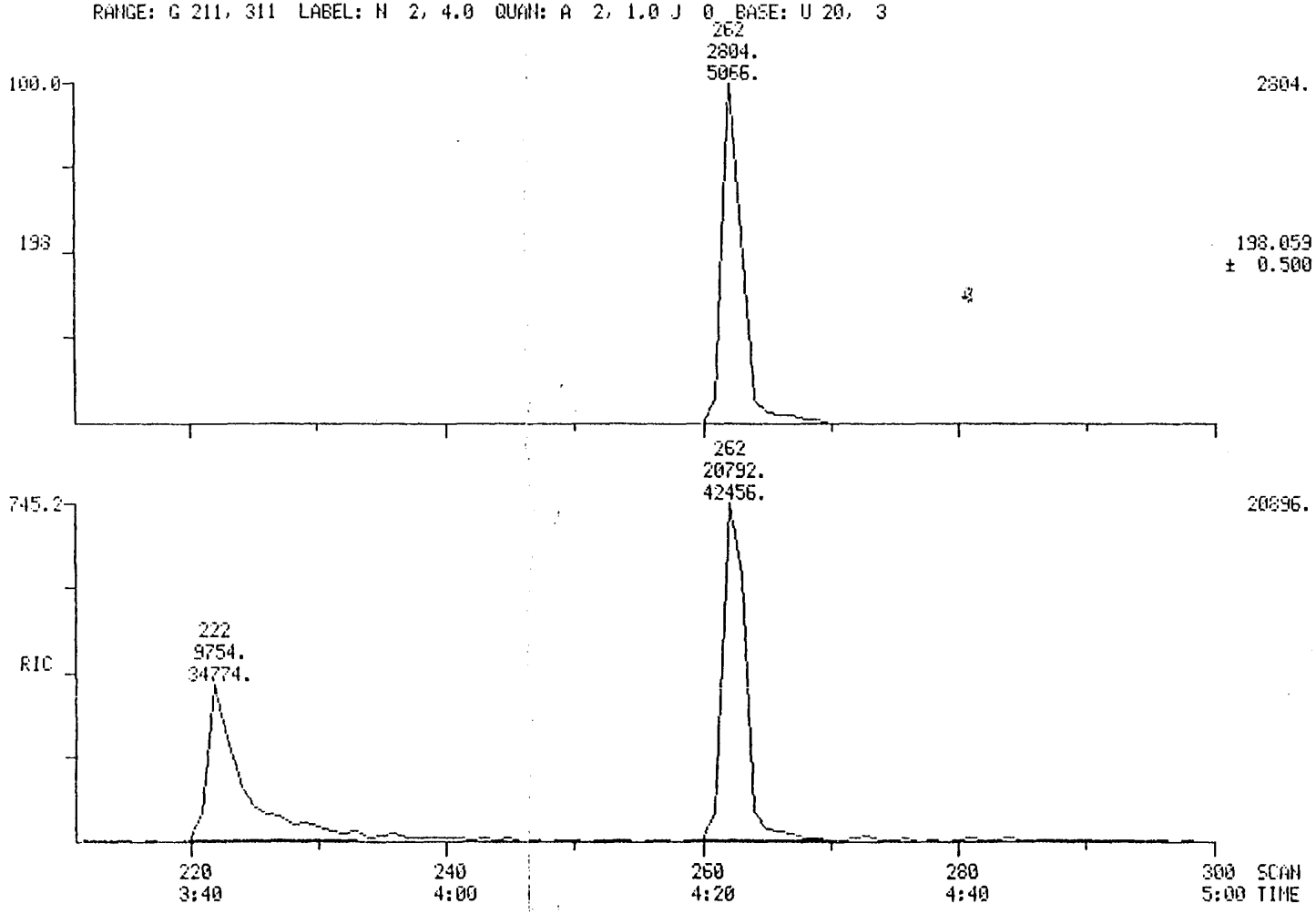
Base m/z: 198
RIC: 38720.

#261 to #263 summed - #240

38 0.00 0. Minima Min Inten: 42.
444 Maxima # 0

Mass		% RA	Inten.	Mass		% RA	Inten.
39.00?		4.81	219.	156.00		2.64	120.
44.00?	S	5.10	232.	161.00		0.99	45.
50.00		12.30	560.	167.00		4.46	203.
51.00	S	49.47	2252.	168.00		3.03	138.
52.00		3.30	150.	174.00		1.36	62.
56.00		2.75	125.	175.00		2.26	103.
57.00		4.66	212.	177.00		2.00	91.
63.00		2.61	119.	179.00		3.58	163.
65.00		2.22	101.	180.00		2.57	117.
69.00		64.32	2928.	185.00		1.23	56.
74.00		4.77	217.	186.00		11.53	525.
75.00		8.66	394.	187.00		3.65	166.
76.00		3.51	160.	192.00		0.99	45.
77.00		62.13	2828.	193.00		1.93	88.
78.00		4.35	198.	196.00		5.18	236.
79.00		3.34	152.	198.00		100.00	4552.
80.00		2.97	135.	199.00		6.17	281.
81.00		4.28	195.	204.00		3.03	138.
82.00		2.00	91.	205.00		4.50	205.
85.00		1.45	66.	206.00		20.14	917.
91.00		1.25	57.	207.00	S	1.10	50.
92.00		1.56	71.	211.00		2.44	111.
93.00		4.61	210.	217.00		5.05	230.
98.00		3.56	162.	221.00		6.79	309.
99.00		3.10	141.	223.00		2.00	91.
101.00		2.55	116.	224.00		10.76	490.
104.00		1.65	75.	225.00		3.14	143.
105.00		1.76	80.	227.00		3.95	180.
107.00		14.96	681.	229.00		0.92	42.
108.00		2.92	133.	244.00		8.85	403.
110.00		33.52	1526.	245.00		1.91	87.
111.00		4.09	186.	246.00		1.25	57.
116.00		0.92	42.	255.00		40.11	1826.
117.00		5.47	249.	256.00		5.62	256.
118.00		1.45	66.	258.00		2.20	100.
122.00		1.41	64.	273.00		2.17	99.
123.00		2.55	116.	274.00		4.17	190.
124.00		0.92	42.	275.00		22.85	1040.
125.00		0.92	42.	276.00		3.45	157.
127.00		56.24	2560.	277.00		1.25	57.
128.00		2.11	96.	296.00		3.89	177.
129.00		22.28	1014.	323.00		1.27	58.
130.00		2.33	106.	334.00		1.01	46.
135.00		2.35	107.	354.00		1.03	47.
137.00		1.71	78.	365.00		1.47	67.
141.00		3.47	158.	372.00		0.94	43.
143.00		1.19	54.	423.00		3.36	153.
147.00		2.17	99.	441.00		8.00	364.
148.00		2.61	119.	442.00		48.24	2196.
155.00		1.67	76.	443.00		9.69	441.

RIC+MASS CHROMATOGRAM DATA: ES0525C01 #261 SCANS 211 TO 300
05/25/93 12:05:00 CALI: ES0525C01 #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 211, 311 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



000228

010456

010456

010457

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	05/25/93	Sens Time:	13:28:00
Lab ID:	FS0525C01	Cali Date:	05/12/93	Analyst:	JDD

Data release authorized by: Juanita D. Drummond

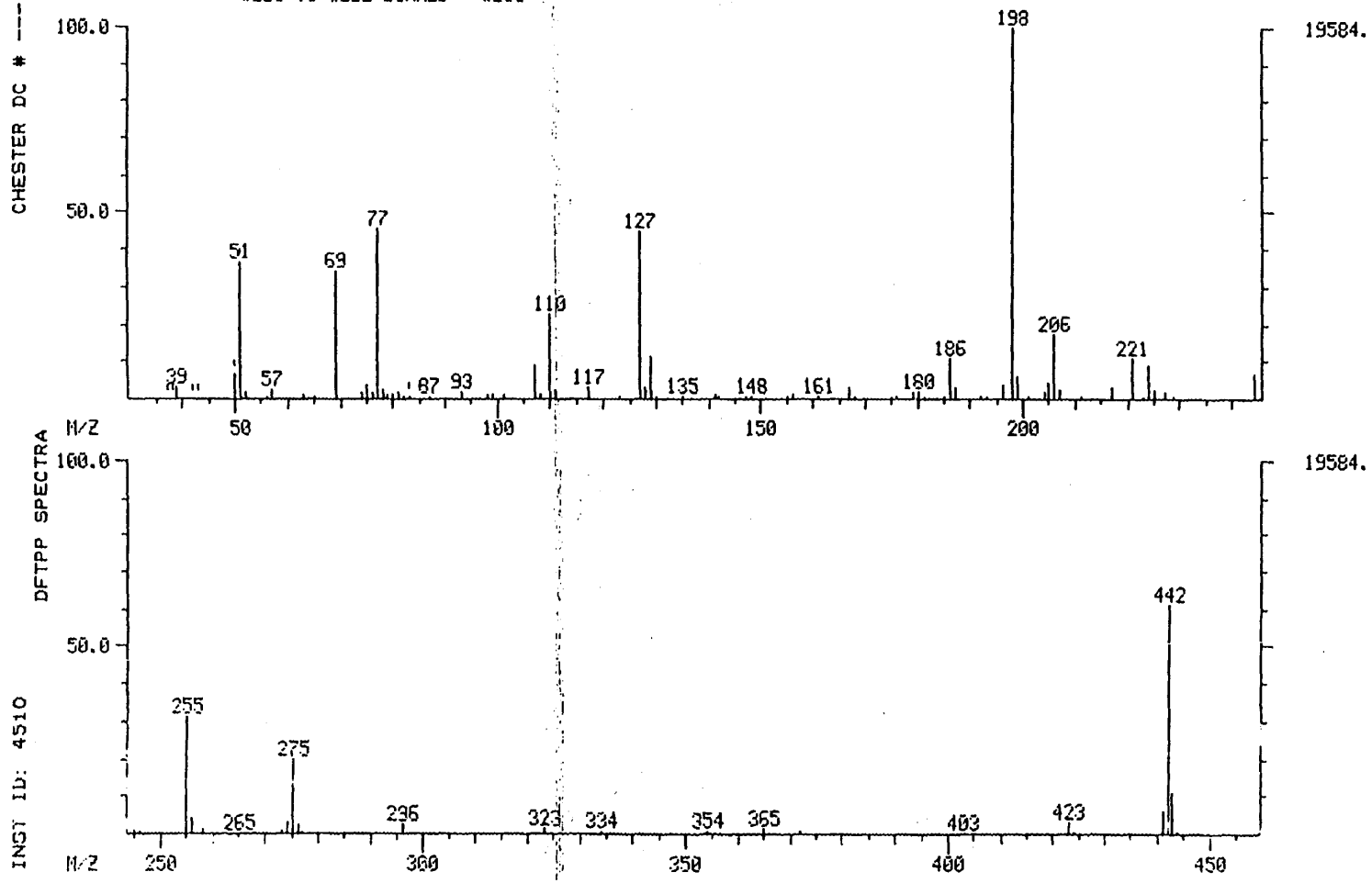
M/E	Ion Abundance Criteria	Spec # 290	
51	30 to 60% of mass 198	36.48	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	33.95	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	45.02	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	5.80	
275	10 TO 30% of mass 198	19.75	
365	greater than 1% of mass 198	1.07	
441	less than mass 443	6.05	
442	greater than 40% of mass 198	60.95	
443	17 TO 23% of mass 442	10.58	(17.36) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

MASS SPECTRUM
05/25/93 13:28:00 + 4:51
SAMPLE: DFTPP
CONDS.: ---
GC TEMP:*158 DEG. C
#290 TO #292 SUMMED - #280

DATA: FS0525C01 #291
CALI: FS0525C01 #3

BASE M/Z: 198
RIC: 119680.



000230

010458

010458

INST ID: 4510 CHESTER DC # --- -15

DFTPP MASS LISTING

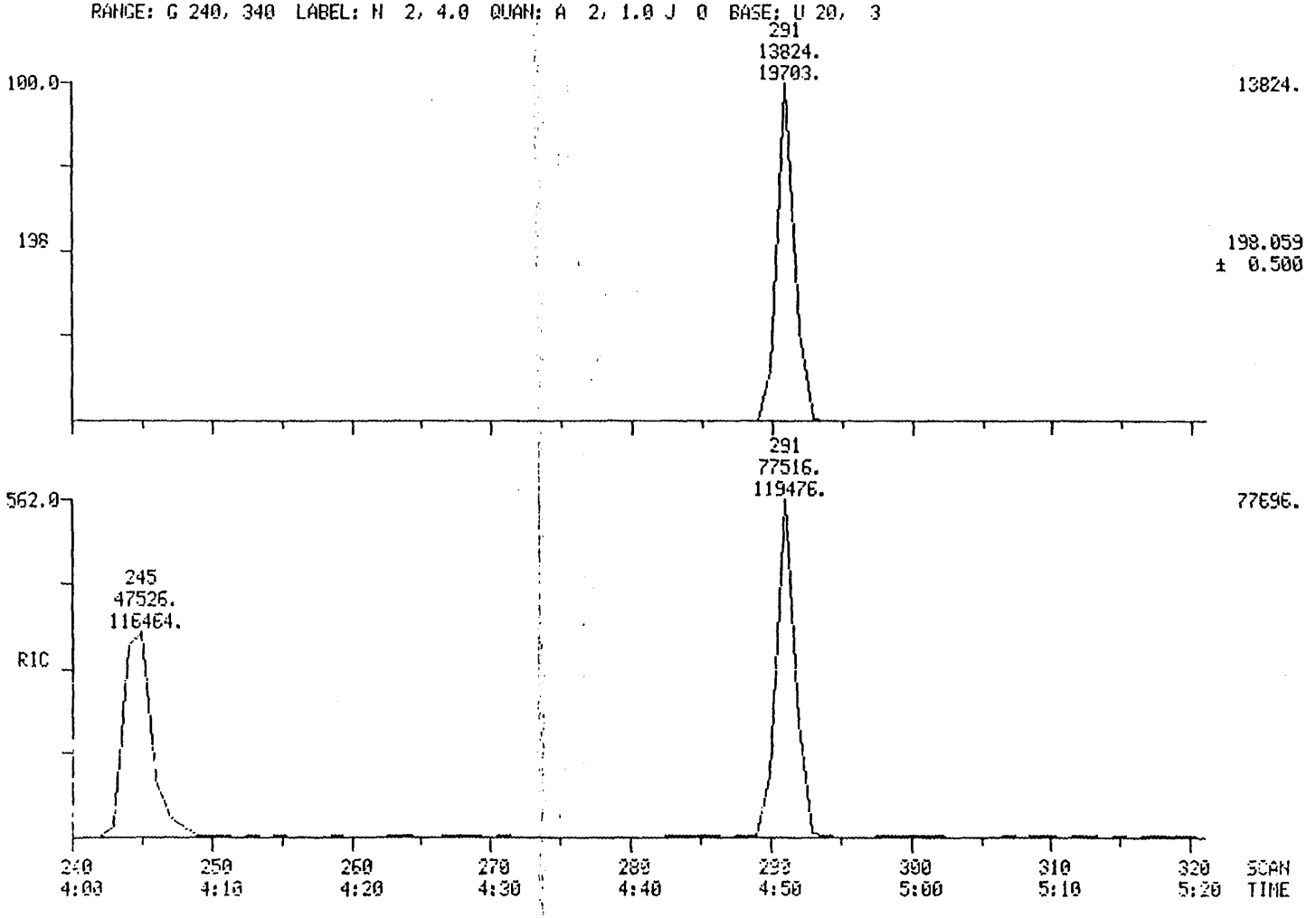
Mass List Data: FS0525C01 # 291 Base m/z: 198
05/25/93 13:28:00 + 4:51 Cali: FS0525C01 # 3 RIC: 119680.
Sample: DFTPP
Conds.: ---
#290 to #292 summed - #280

37 0.00 0. Minima Min Inten: 49.
444 Maxima # 0

Mass		% RA	Inten.	Mass	% RA	Inten.
39?		2.88	564.	179	1.51	296.
50	S	6.63	1298.	180	1.60	313.
51	S	36.48	7144.	181	0.47	92.
52		1.87	367.	185	0.77	150.
56		0.71	139.	186	10.54	2064.
57		2.24	438.	187	2.93	573.
63		1.14	223.	192	0.35	68.
65		0.71	140.	193	0.49	96.
69		33.95	6648.	196	3.35	657.
74		1.91	374.	198	100.00	19584.
75		3.82	749.	199	5.80	1136.
76		1.69	330.	201	0.41	81.
77		45.67	8944.	204	1.56	306.
78		2.66	521.	205	4.04	792.
79		1.30	254.	206	17.44	3416.
80		1.09	213.	207	2.29	448.
81		1.94	379.	211	0.83	162.
82		0.45	88.	217	3.25	637.
83	S	0.89	174.	221	10.99	2152.
87		0.43	85.	223	0.56	110.
93		1.75	343.	224	8.85	1734.
98		1.29	253.	225	2.12	416.
99		1.22	238.	227	1.85	362.
101		0.91	179.	229	0.48	94.
104		0.27	53.	231	0.27	52.
107		8.72	1708.	242	0.28	55.
108		1.45	283.	244	6.71	1314.
110		22.79	4464.	245	0.57	112.
111		2.45	480.	246	0.53	104.
116		0.27	52.	255	31.33	6136.
117		2.90	568.	256	4.32	847.
123		0.52	102.	258	0.91	178.
127		45.02	8816.	273	0.85	167.
128		3.11	609.	274	3.07	602.
129		11.46	2244.	275	19.75	3868.
130		0.79	155.	276	2.25	441.
135		0.76	148.	277	0.87	171.
141		0.91	179.	296	2.53	496.
142		0.31	61.	323	1.00	195.
147		0.48	94.	334	0.48	94.
148		0.89	175.	354	0.38	75.
155		0.42	83.	365	1.07	210.
156		1.38	271.	372	0.37	73.
161		0.60	118.	423	2.90	567.
167		2.71	531.	424	0.44	87.
168		0.78	153.	441	6.05	1184.
174		0.27	53.	442	60.95	11936.
175		0.76	149.	443	10.58	2072.
176		0.32	63.	444	0.80	157.
177		0.29	57.			

RIC+MASS CHROMATOGRAM
05/25/93 13:28:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 240, 340 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: FS0525C01 #290 SCANS 240 TO 321
CALI: FS0525C01 #3



000232

010460

010460

GC/MS Tuning and Mass Calibration

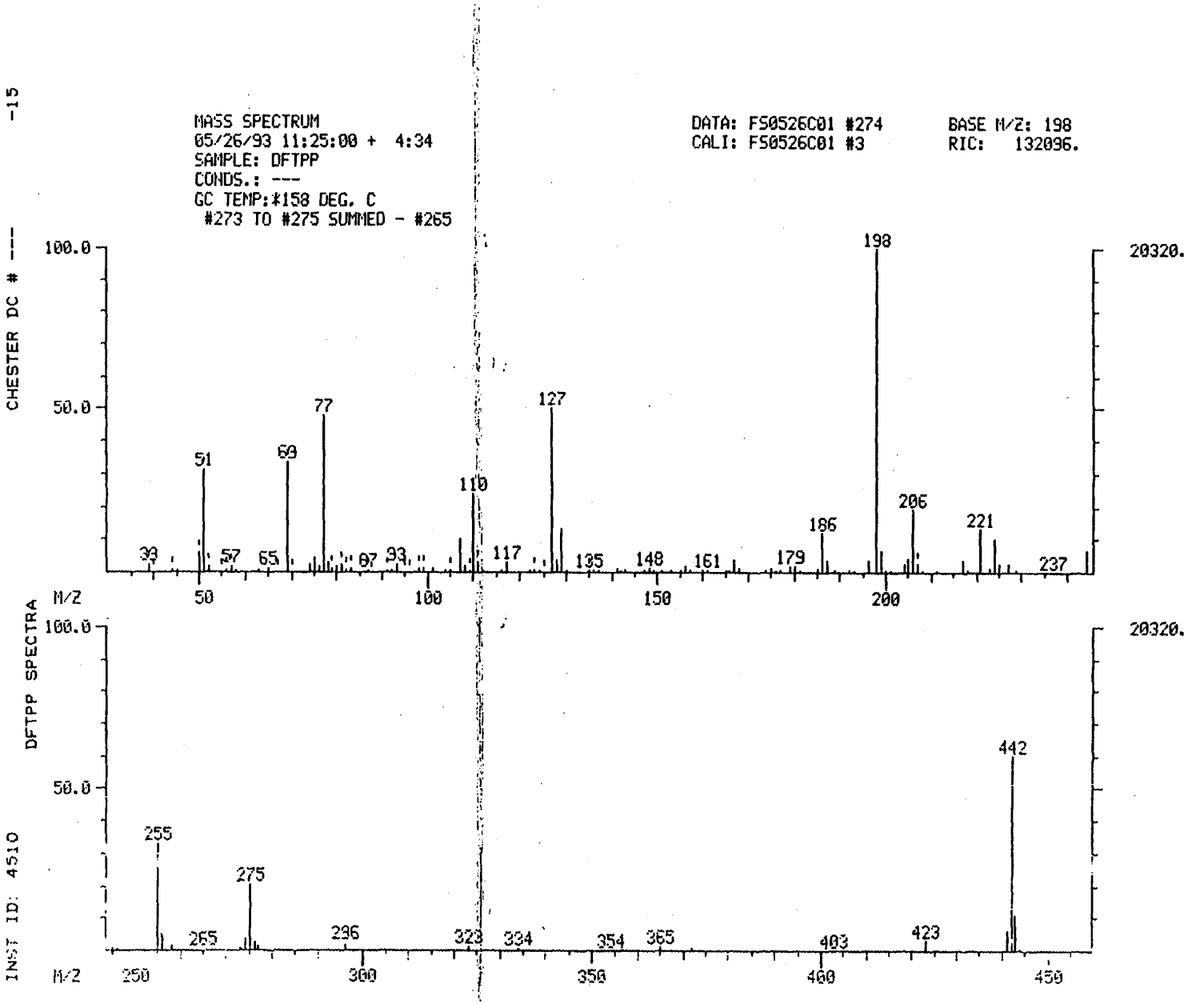
DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	05/26/93	Sens Time:	11:25:00
Lab ID:	FS0526C01	Cali Date:	05/26/93	Analyst:	JDD

Data release authorized by: Juanita D. Drummond

M/E	Ion Abundance Criteria	Spec # 273	
51	30 to 60% of mass 198	31.42	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	33.39	
70	less than 2% of mass 69	0.14	(0.42) 1
127	40 TO 60% of mass 198	50.24	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.47	
275	10 TO 30% of mass 198	20.14	
365	greater than 1% of mass 198	1.10	
441	less than mass 443	5.85	
442	greater than 40% of mass 198	59.61	
443	17 TO 23% of mass 442	10.73	(18.00) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442



000234

010462

010462

INST ID: 4510 CHESTER DC # --- -15

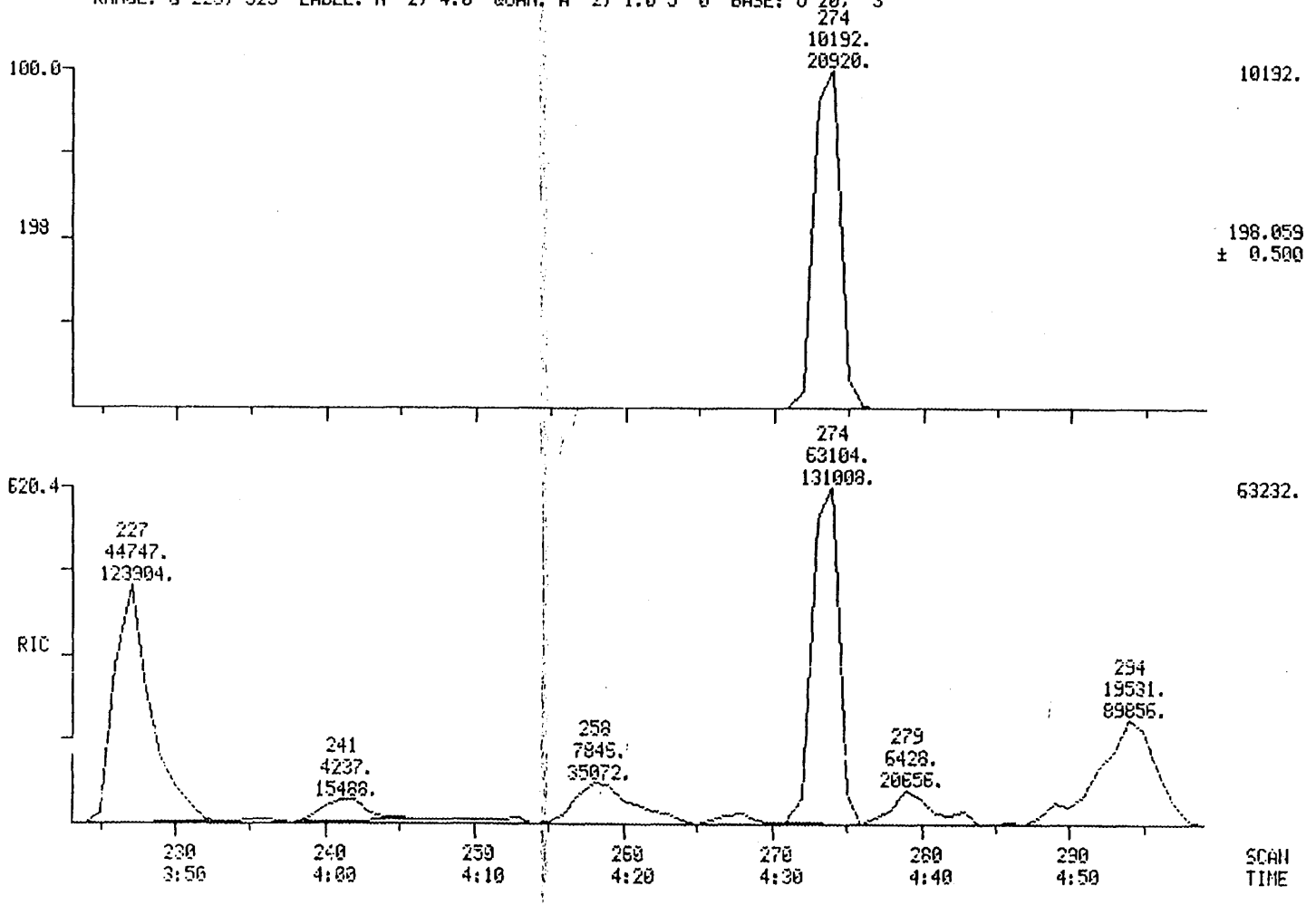
DFTPP MASS LISTING

Mass List Data: FS0526C01 # 274 Base m/z: 198
05/26/93 11:25:00 + 4:34 Cali: FS0526C01 # 3 RIC: 132096.
Sample: DFTPP
Conds.: ---
#273 to #275 summed - #265

39 0.00 0. Minima Min Inten: 90.
444 Maxima # 0

Mass		% RA	Inten.	Mass		% RA	Inten.
39?	S	2.53	515.	161		0.90	182.
44	S	0.48	97.	165		0.54	109.
50	S	5.80	1178.	167		3.47	706.
51	S	31.42	6384.	168		1.03	210.
52	S	1.72	349.	175		1.36	277.
56	S	0.75	153.	177		0.46	94.
57	S	1.86	377.	179		1.74	354.
63		0.86	175.	180		1.74	353.
65		0.91	185.	181		0.81	164.
69	S	33.39	6784.	185		0.99	202.
74		2.25	457.	186		11.79	2396.
75		4.35	884.	187		3.38	686.
76		1.81	367.	192		0.63	128.
77		47.95	9744.	193		0.84	171.
78		2.81	572.	196		3.42	695.
79	S	1.46	297.	198		100.00	20320.
80		1.56	317.	199		6.47	1314.
81	S	2.14	435.	201		0.58	117.
82	S	0.48	97.	204		2.16	438.
83	S	1.23	249.	205		4.49	912.
93		2.37	482.	206		18.98	3856.
98	S	1.34	273.	207	S	2.46	500.
99	S	1.30	264.	211		0.80	162.
101		0.91	184.	217		3.51	714.
104		0.50	101.	221		12.99	2640.
105	S	0.47	96.	223		0.94	192.
107		10.22	2076.	224		10.00	2032.
108		2.00	406.	225		2.38	484.
109	S	0.73	149.	227		2.35	478.
110		24.13	4904.	229		0.66	134.
111	S	2.82	573.	244		6.57	1336.
112		0.47	96.	245		0.79	161.
116		0.46	93.	246		0.80	162.
117		3.16	643.	255		32.80	6664.
123	S	0.72	146.	256		4.72	959.
124		0.50	102.	258		1.08	219.
127		50.24	10208.	273		0.88	179.
128		3.75	763.	274		3.51	714.
129		12.89	2620.	275		20.14	4092.
130		0.88	178.	276		2.36	479.
135	S	0.82	167.	277		1.05	213.
136		0.45	91.	296		2.47	501.
137		0.64	131.	323		1.12	227.
141		1.43	290.	334		0.79	160.
142		0.45	91.	365		1.10	224.
147		0.83	169.	423		3.10	629.
148		1.11	225.	441		5.85	1188.
155		0.77	156.	442		59.61	12112.
156		1.56	317.	443		10.73	2180.
157		0.45	91.	444		0.68	138.

RIC+MASS CHROMATOGRAM DATA: FS0526C01 #273 SCANS 223 TO 299
05/26/93 11:25:00 CALI: FS0526C01 #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 223, 323 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



000236

010464

010464

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	05/27/93	Sens Time:	12:19:00
Lab ID:	FS0527C01	Cali Date:	05/26/93	Analyst:	JDD

Data release authorized by: Juanita D. Drummond

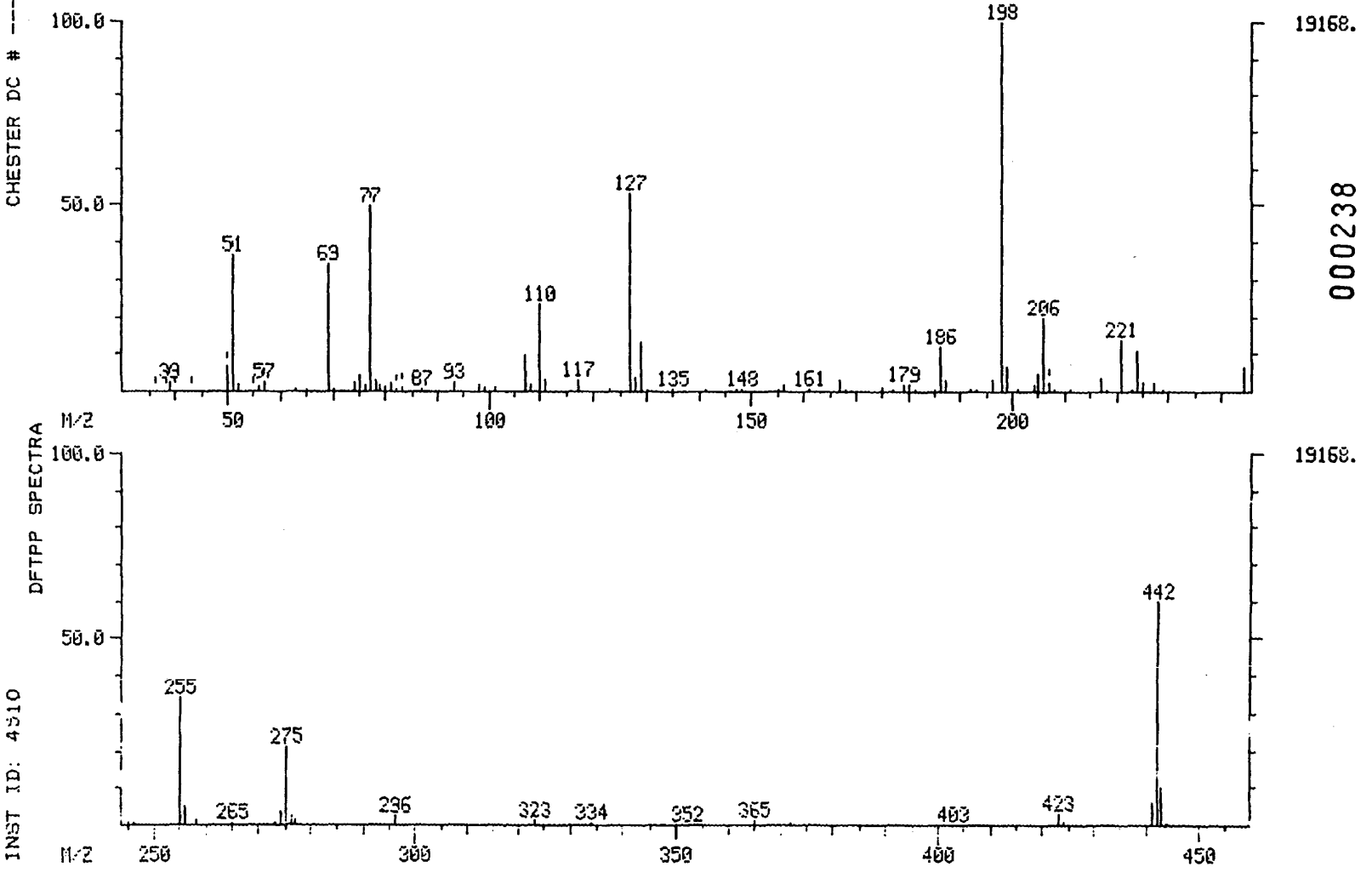
M/E	Ion Abundance Criteria	Spec # 262	
51	30 to 60% of mass 198	36.48	
68	less than 2% of mass 69	0.25	(0.72) 1
69	mass 69 relative abundance	34.35	
70	less than 2% of mass 69	0.58	(1.70) 1
127	40 TO 60% of mass 198	53.42	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.29	
275	10 TO 30% of mass 198	20.70	
365	greater than 1% of mass 198	1.25	
441	less than mass 443	5.78	
442	greater than 40% of mass 198	60.10	
443	17 TO 23% of mass 442	10.35	(17.22) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

MASS SPECTRUM
05/27/93 12:19:00 + 4:23
SAMPLE: DFTPP
CONDS.: ---
GC TEMP:*158 DEG. C
#262 TO #264 SUMMED - #250

DATA: FS0527C01 #263
CALI: FS0527C01 #3

BASE M/Z: 198
RIC: 124800.



000238

010466

010466

INST ID: 4510 CHESTER DC # --- -15

DFTPP MASS LISTING

Mass List Data: FS0527C01 # 263 Base m/z: 198
05/27/93 12:19:00 + 4:23 Cali: FS0527C01 # 3 RIC: 124800.
Sample: DFTPP
Conds.: ---
#262 to #264 summed - #250

010467

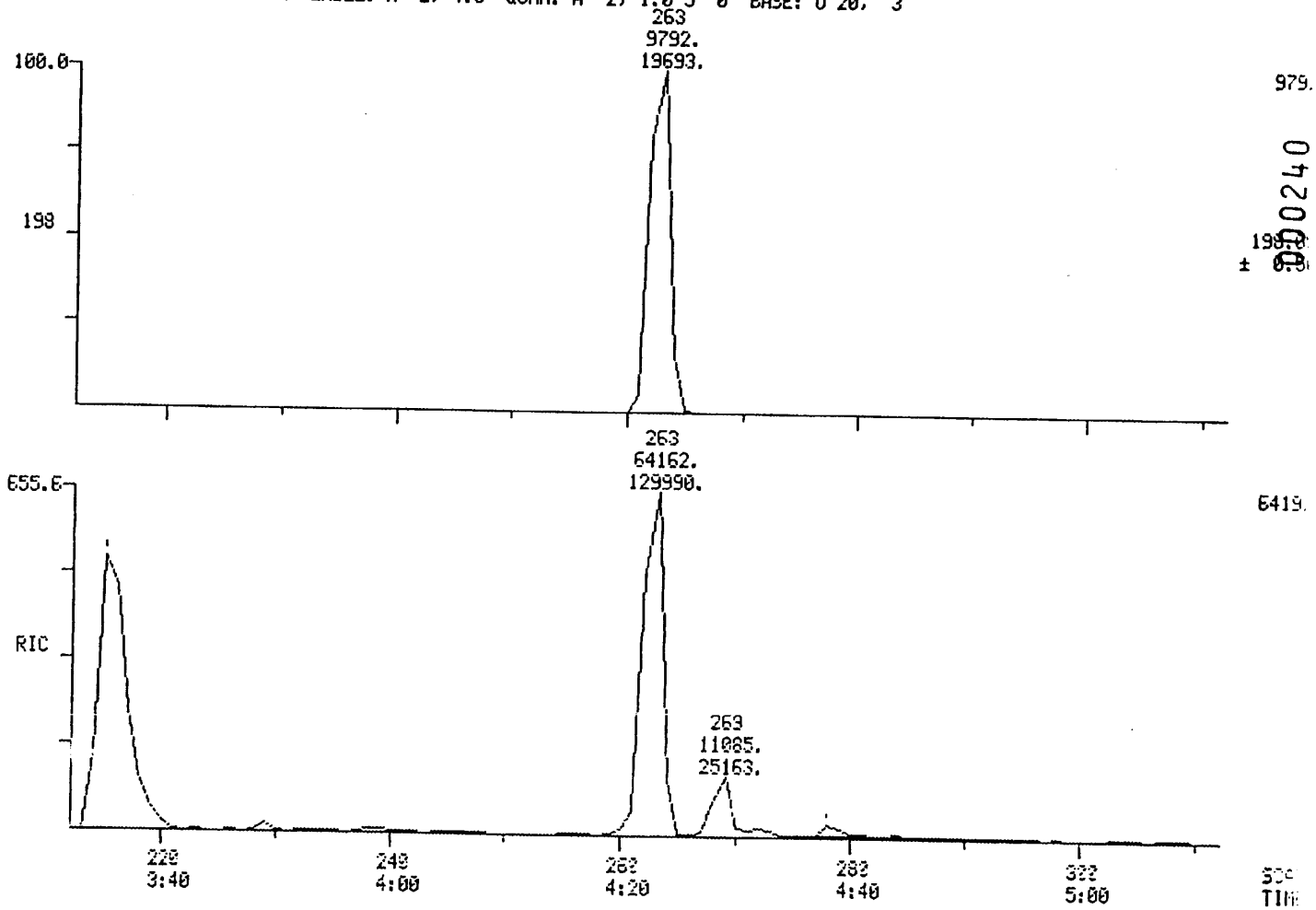
36		0.00	0.	Minima	Min	Inten:	48.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39?	S	2.57	493.	177		0.55	105.
43	S	0.29	55.	179		1.96	376.
50	S	6.42	1230.	180		1.59	305.
51	S	36.48	6992.	181		0.73	140.
52		1.72	329.	185		0.67	128.
55	S	0.25	48.	186		12.17	2332.
56		1.16	223.	187		3.27	627.
57	S	2.29	439.	192		0.47	91.
63		0.87	167.	193		0.63	120.
65		0.69	133.	196		2.95	566.
69		34.35	6584.	198		100.00	19168.
70		0.58	111.	199		6.29	1206.
74		2.14	410.	201		0.40	77.
75		4.23	811.	204		1.72	330.
76		1.51	290.	205		4.53	868.
77	S	49.83	9552.	206		19.95	3824.
78		3.21	616.	207	S	2.14	410.
79		1.58	302.	208		0.43	82.
80		1.04	199.	211		0.70	135.
81		2.17	415.	217		3.78	724.
82	S	0.47	90.	218		0.46	89.
83	S	1.00	192.	221		13.48	2584.
87		0.75	144.	223		0.76	145.
91		0.30	57.	224		10.57	2026.
93		2.19	420.	225		2.31	443.
98		1.75	336.	227		2.13	408.
99		1.50	287.	229		0.63	121.
101		0.90	173.	244		6.70	1284.
105		0.27	51.	245		0.81	155.
107		9.53	1826.	246		0.73	140.
108		1.81	347.	255		34.18	6552.
110		23.21	4448.	256		4.62	886.
111		2.97	570.	258		1.07	206.
117		3.21	615.	265		0.40	76.
123		0.66	127.	273		0.88	168.
127		53.42	10240.	274		3.34	640.
128		3.47	666.	275		20.70	3968.
129		13.42	2572.	276		2.35	451.
130		0.81	155.	277		0.99	189.
135		0.79	151.	296		2.57	493.
141		0.87	167.	323		1.08	207.
142		0.26	49.	334		0.62	119.
147		0.60	115.	365		1.25	239.
148		0.87	167.	372		0.58	111.
155		0.51	98.	423		2.93	562.
156		1.70	326.	424		0.30	58.
161		0.62	118.	441		5.78	1108.
167		2.94	564.	442		60.10	11520.
168		0.88	168.	443		10.35	1984.
175		1.17	224.	444		0.69	132.

000239

010467

RIC+MASS CHROMATOGRAM
05/27/93 12:19:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 212, 312 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: FS0527C01 #262 SCANS 212 TO 312
CALI: FS0527C01 #3



010468

010469

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	---	Laboratory:	KEYSTONE	Contract:	---
Inst ID:	4510	Sens Date:	05/28/93	Sens Time:	14:09:00
Lab ID:	FS0528C01	Cali Date:	05/26/93	Analyst:	JZ

Data release authorized by:

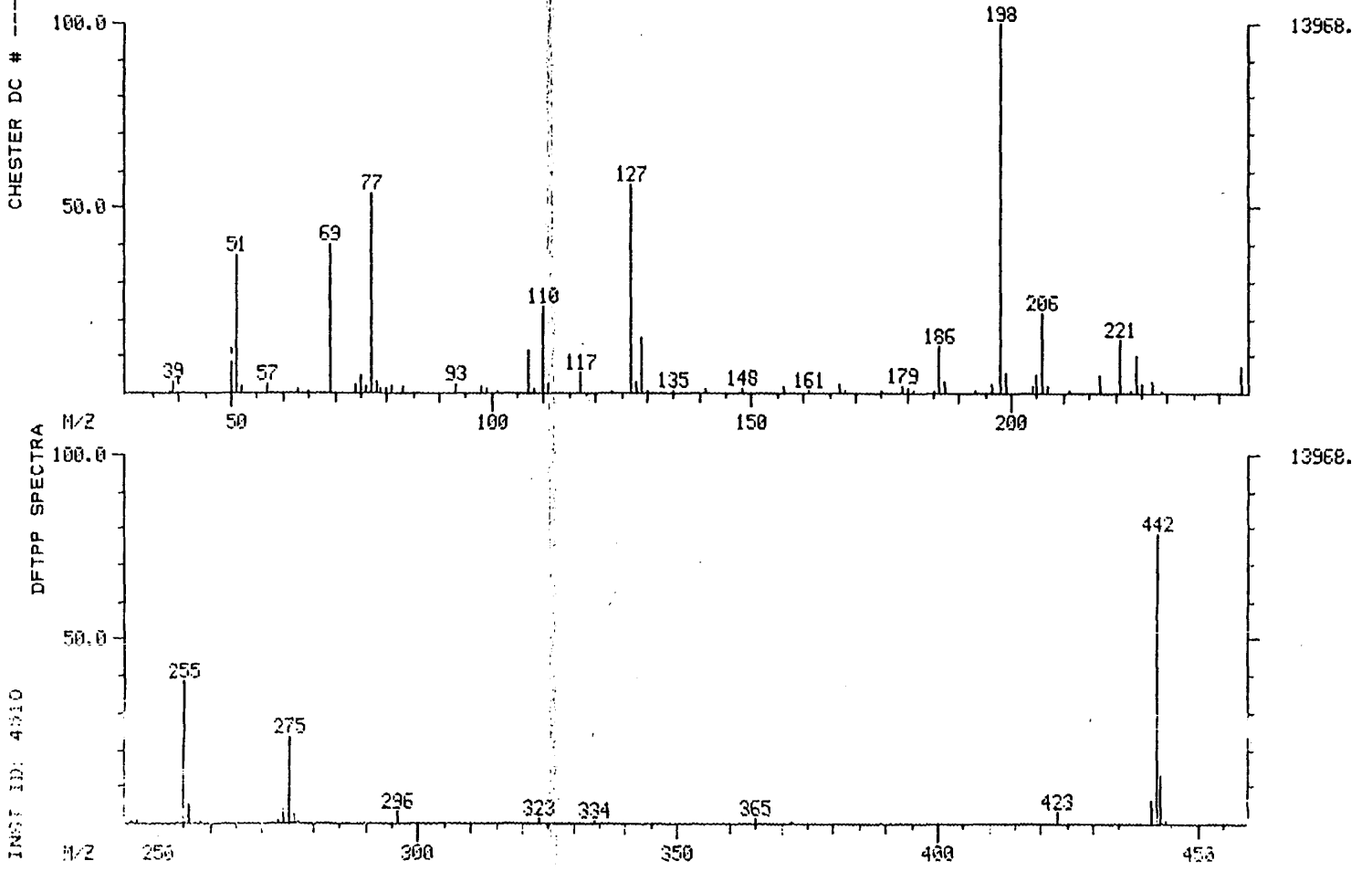
M/E	Ion Abundance Criteria	Spec # 261	
51	30 to 60% of mass 198	37.34	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	40.32	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	56.41	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	5.46	
275	10 TO 30% of mass 198	23.48	
365	greater than 1% of mass 198	1.20	
441	less than mass 443	6.27	
442	greater than 40% of mass 198	78.47	
443	17 TO 23% of mass 442	13.42	(17.10) 2

1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

MASS SPECTRUM
05/28/93 14:09:00 + 4:22
SAMPLE: DFTPP
CONDS.: ---
GC TEMP:*158 DEG. C
#261 TO #263 SUMMED - #200

DATA: FS0528C01 #262
CALI: FS0528C01 #3

BASE M/Z: 198
RIC: 95616.



000242

010470

INST ID: 4510 CHESTER DC # --- -15

DFTPP MASS LISTING

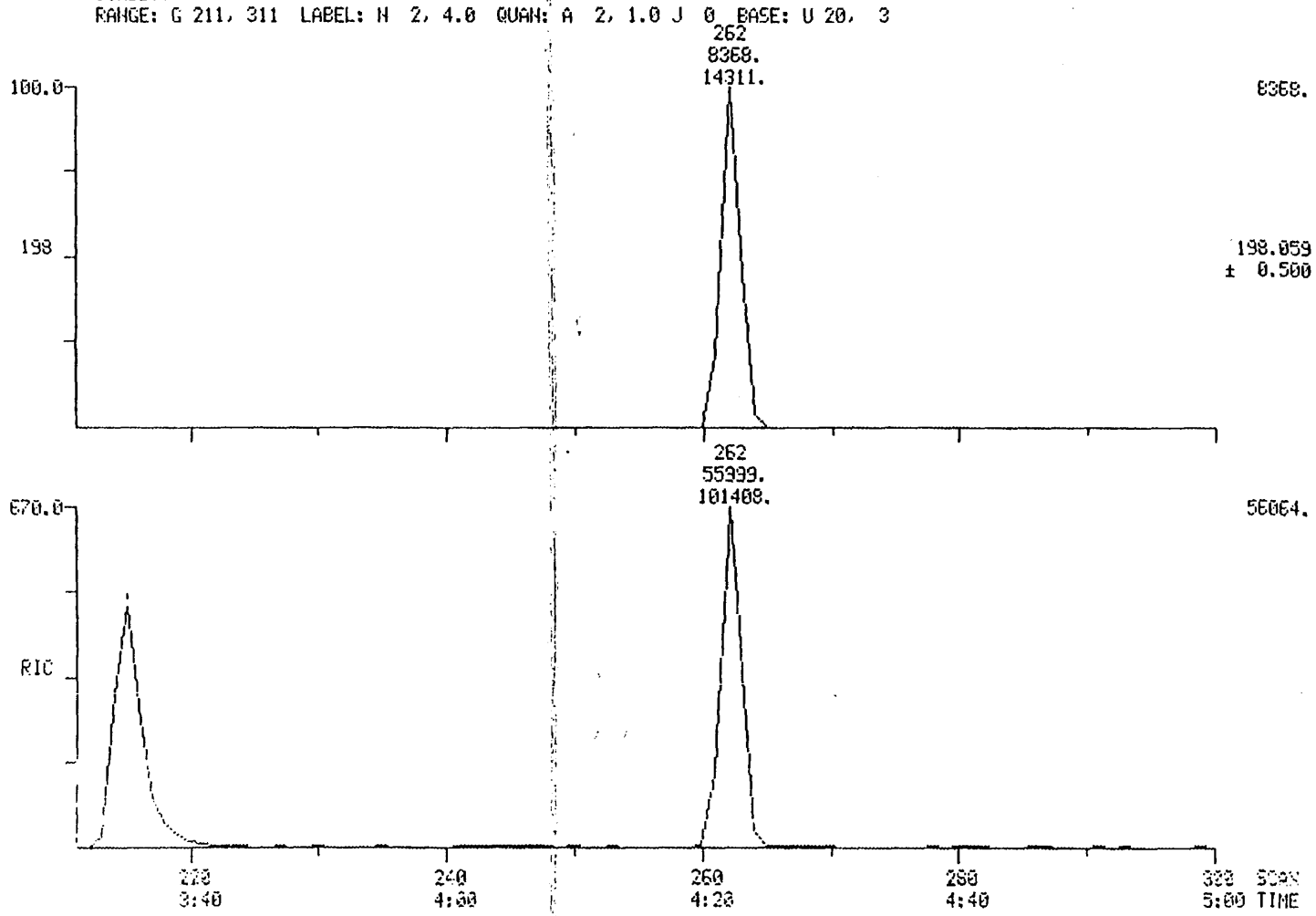
Mass List Data: FS0528C01 # 262 Base m/z: 198
05/28/93 14:09:00 + 4:22 Cali: FS0528C01 # 3 RIC: 95616.
Sample: DFTPP
Conds.: ---
#261 to #263 summed - #200

38 0.00 0. Minima Min Inten: 0.
444 Maxima # 0

Mass		% RA	Inten.	Mass	% RA	Inten.
38?		0.61	85.	187	3.10	433.
39?		3.01	420.	192	0.24	33.
40	S	0.06	8.	193	0.36	50.
44		0.27	38.	196	2.31	322.
50	S	8.15	1138.	198	100.00	13968.
51	S	37.34	5216.	199	5.46	763.
52		1.71	239.	204	1.60	223.
57		2.18	305.	205	4.71	658.
63		0.90	126.	206	21.28	2972.
65		0.58	81.	207	1.78	249.
69		40.32	5632.	211	0.31	43.
74		2.35	328.	217	4.50	629.
75		4.62	646.	218	0.21	30.
76		1.68	234.	221	14.58	2036.
77		54.12	7560.	223	0.45	63.
78		2.82	394.	224	10.41	1454.
79		1.39	194.	225	2.15	300.
80		1.17	164.	227	2.78	388.
81		1.79	250.	229	0.42	59.
82		0.24	33.	242	0.24	34.
83		1.63	228.	244	7.02	981.
93		2.41	336.	245	0.37	52.
98		1.57	219.	246	0.53	74.
99		1.40	195.	255	38.20	5336.
101		0.75	105.	256	4.70	657.
104		0.26	37.	258	0.89	125.
107		11.08	1548.	273	0.52	72.
108		1.26	176.	274	3.36	470.
110		23.08	3224.	275	23.48	3280.
111		2.36	329.	276	2.18	304.
117		5.39	753.	277	0.70	98.
123		0.38	53.	296	3.25	454.
127		56.41	7880.	323	1.03	144.
128		3.11	434.	334	0.47	65.
129		15.12	2112.	365	1.20	167.
130		0.64	90.	372	0.32	44.
135		0.42	58.	423	3.06	428.
141		0.93	130.	424	0.22	31.
148		1.22	171.	441	6.27	876.
155		0.21	30.	442	78.47	10960.
156		1.55	217.	443	13.42	1874.
161		0.42	59.	444	0.82	114.
167		2.60	363.			
168		0.66	92.			
175		0.69	97.			
179		1.60	224.			
180		1.45	202.			
181		0.34	47.			
185		0.52	72.			
186		12.39	1730.			

RIC+MASS CHROMATOGRAM
05/28/93 14:09:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 211, 311 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: FS0528C01 #261 SCANS 211 TO 300
CALI: FS0528C01 #3



000244

010472

010472

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT Dames - Moor

LAB NO. H93-05-191

ANALYST Eee

DATE 5/24/93

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)
002	#1	1.56	5.99	5.89	0.1	0.977	—	—	1.02
005	#2	1.58	5.70	5.57	0.13	0.968			1.03
006	#3	1.53	6.18	5.50	0.68	0.853			1.17
007	#4	1.51	5.69	5.66	0.03	0.992			1.07
008	#5	1.55	5.75	5.66	0.09	0.978			1.02
009	#6	1.58	5.17	4.89	0.28	0.922			1.08
010	#7	1.53	5.71	5.54	0.17	0.959			1.04
011	#8	1.50	5.56	5.46	0.1	0.975			1.03
012	#9	1.56	5.75	5.61	0.14	0.966			1.04
013	#10	1.58	5.76	5.72	0.04	0.990			1.01
014	#11	1.59	5.29	5.24	0.05	0.986			1.01
015	#12	1.58	5.48	5.20	0.28	0.928			1.08
016	#16	1.58	6.03	5.97	0.06	0.986			1.01

$d = (b-a) - (c-a)$ $\quad g = f\frac{(c-a)}{(b-a)}$ $\quad h = f/g = 1/e$ $\quad e = \frac{c-a}{b-a}$

Date Submitted: 5/25/93

Submitted By Eee

010473

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT DAMES-MOOR

LAB NO. H93-05.191

ANALYST EPC

DATE 5/24/93

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)
017	#17	1.58	5.71	5.61	0.1	0.975			1.03
018	#18	1.59	5.40	5.23	0.17	0.908			1.10
019	#19	1.58	5.24	5.04	0.2	0.945			1.06
020	#20	1.58	5.21	5.20	0.01	0.991			1.00
021	#21	1.58	5.59	5.51	0.08	0.980			1.02
022	#22	1.58	5.34	5.16	0.18	0.952			1.05
023	#23	1.57	5.86	5.85	0.01	0.991			1.00
024	#24	1.59	5.69	5.67	0.02	0.995			1.01
025	#25	1.59	5.29	5.02	0.27	0.927			1.08
Nothing Follows				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: 5/25/93

Submitted By: EPC

010474

KEYSTONE LAB - HOUSTON
Job Summary Sheet

Produced on 21-MAY-1993

010475

DAMES_MOOR
Dames and Moore
4321 Directors Row
Suite 200
Houston, TX 77092

Work Order : H93-05.191
Due Date : 3-JUN-1993
Date Rec'd : 21-MAY-1993
Project ID :
P.O. Number: 8074

Attention: Contact: Data Management

Job Description: DAMES&MOORE (RCRA)
Number of samples: 26 Sampled by: CLIENT

SAMPLE IDENTIFICATION

Lab ID	Client ID	Samp Pnt.	Sample Matrix	Date Sampled
191-001	LAB BLANK	QA_QC	SOIL	19-MAY-93
191-002	#1	X	SOIL	19-MAY-93
191-003	#1 MS	QA_QC	SOIL	19-MAY-93
191-004	#1 MSD	QA_QC	SOIL	19-MAY-93
191-005	#2	X	SOIL	19-MAY-93
191-006	#3	X	SOIL	19-MAY-93
191-007	#4	X	SOIL	19-MAY-93
191-008	#5	X	SOIL	19-MAY-93
191-009	#6	X	SOIL	19-MAY-93
191-010	#7	X	SOIL	19-MAY-93
191-011	#8	X	SOIL	19-MAY-93
191-012	#9	X	SOIL	19-MAY-93
191-013	#10	X	SOIL	19-MAY-93
191-014	#11	X	SOIL	19-MAY-93
191-015	#12	X	SOIL	19-MAY-93
191-016	#16	X	SOIL	19-MAY-93
191-017	#17	X	SOIL	19-MAY-93
191-018	#18	X	SOIL	19-MAY-93
191-019	#19	X	SOIL	19-MAY-93
191-020	#20	X	SOIL	19-MAY-93
191-021	#21	X	SOIL	19-MAY-93
191-022	#22	X	SOIL	19-MAY-93
191-023	#23	X	SOIL	19-MAY-93
191-024	#24	X	SOIL	19-MAY-93
191-025	#25	X	SOIL	19-MAY-93
191-026	#26	X	WATER	19-MAY-93

Analysis ID	Parameter Description	Number of Analyses
DRY_WT	Dry Weight Factor	25

000247

Analysis ID	Parameter Description	Number of Analyses
EXT_8270SX	(Soil) Extraction by EPA 8270	22
SV_TCL_SX	Semivolatiles (Target Compound List)-Soil	25
TSS	Total Suspended Solids	2

010476

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL PACKAGE TRACKING NUMBER 9852055264

3108M 9852055264

RECIPIENT'S COPY

1 Date 5-20-93

From (Your Name) Please Print: J. Seidel

Your Phone Number (Very Important): 303-279-4501

Company: HAZEN RESEARCH INC

Department/Floor No.:

Street Address: 4601 INDIANA ST

City: GOLDEN State: CO ZIP Required: 80403

2 To (Recipient's Name) Please Print: Robert Barrientos

Recipient's Phone Number (Very Important): (713) 266-6800

Company: Chester Lab Net Keystone Lab Houston

Department/Floor No.:

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 8300 West Park

City: Houston State: Tx. ZIP Required: 77063

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 8074

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

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning)

11 [X] OTHER PACKAGING
16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery)

51 [ ] OTHER PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)

30 [ ] ECONOMY*

Government Overnight (Restricted to authorized users only)

46 [ ] GOVT LETTER
49 [ ] GOVT PAK/TUBE/BOX

Freight Service (Minimum charge 100 lbs.)

10 [ ] OVERNIGHT FREIGHT** (Confirmed reservation 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)

1 [ ] HOLD FOR PICK-UP (Fill in Box H)
2 [ ] DELIVER WEEKDAY
3 [ ] DELIVER SATURDAY (Extra charge) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
By Inc. 0 LB UNIT ___ L x ___ lg. size ___
7 [ ] OTHER SPECIAL SERVICE
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
[ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE (See right)
1	40	Ø
Total 1	Total 40	Total Ø

DIM SHIPMENT (Chargeable Weight)

[ ] ___ lbs.

L x W x H

Received At:

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

Emp. No. Date

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

Street Address

City State Zip

Received By: X D Marrinde

Date/Time Received: 5/21/93 FedEx Employee Number: 55 ova

7 Release Signature:

Federal Express Use

Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 11/92 PART #137204 FXEM 3/93 FORMAT #155

155

© 1992-93 FEDEX PRINTED IN U.S.A.

000249

010477

010477

010478

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 : 8074

WORK ORDER : H93-06.16
DATE RECEIVED : 2-JUN-1993

SAMPLE & ANALYSIS SUMMARY

Chester LabNet Sample ID	Client's Sample Name	Date Collected	Sample Matrix
H93-06.16-001	LAB BLANK	1-JUN-1993	SOIL
H93-06.16-002	13	1-JUN-1993	SOIL
H93-06.16-003	13 MS	1-JUN-1993	SOIL
H93-06.16-004	13 MSD	1-JUN-1993	SOIL
H93-06.16-005	14	1-JUN-1993	SOIL
H93-06.16-006	15	1-JUN-1993	SOIL
H93-06.16-007	27	1-JUN-1993	SOIL
H93-06.16-008	28	1-JUN-1993	SOIL
H93-06.16-009	29	1-JUN-1993	SOIL
H93-06.16-010	30	1-JUN-1993	SOIL
H93-06.16-011	31	1-JUN-1993	SOIL
H93-06.16-012	32	1-JUN-1993	SOIL
H93-06.16-013	33	1-JUN-1993	SOIL
H93-06.16-014	34	1-JUN-1993	SOIL
H93-06.16-015	35	1-JUN-1993	SOIL
H93-06.16-016	36	1-JUN-1993	SOIL
H93-06.16-017	37	1-JUN-1993	SOIL
H93-06.16-018	38	1-JUN-1993	SOIL
H93-06.16-019	39	1-JUN-1993	SOIL
H93-06.16-020	40	1-JUN-1993	SOIL
H93-06.16-021	41	1-JUN-1993	SOIL
H93-06.16-022	42	1-JUN-1993	SOIL
H93-06.16-023	43	1-JUN-1993	SOIL
H93-06.16-024	44	1-JUN-1993	SOIL
H93-06.16-025	45	1-JUN-1993	SOIL
H93-06.16-026	46	1-JUN-1993	SOIL
H93-06.16-027	47	1-JUN-1993	SOIL
H93-06.16-028	BLANK SPIKE	1-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. 8074 LAB NO.:H93-06.16

I. RECEIPT

A. DATE: June 02, 1993

B. NO. OF SAMPLES: (24) SOILS.

C. CLIENT SAMPLE ID's: #13; #14; #15; #27; #28; #29; #30; #31; #32; #33; #34; #35; #36; #37; #38; #39; #40; #41; #42; #43; #44; #45; #46; #47.

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: None

G. DOCUMENTATION: Data Quality Objective (DQO) level III. Soil samples provided from Hazen Research,Inc.

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

CLIENT ID	MATRIX	All Parameters
#1 (-10m + 80m SDE)	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: Sample (#30)was reanalyzed due to high amount of Phenanthrene at (1:180000) dilution. Both sets of data submitted.

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

June 15, 1993

Date

SAMPLE & ANALYSIS SUMMARY

Chester LabNet Sample ID	Client's Sample Name	Date Collected	Sample Matrix
H93-06.16-001	LAB BLANK	1-JUN-1993	SOIL
H93-06.16-002	13	1-JUN-1993	SOIL
H93-06.16-003	13 MS	1-JUN-1993	SOIL
H93-06.16-004	13 MSD	1-JUN-1993	SOIL
H93-06.16-005	14	1-JUN-1993	SOIL
H93-06.16-006	15	1-JUN-1993	SOIL
H93-06.16-007	27	1-JUN-1993	SOIL
H93-06.16-008	28	1-JUN-1993	SOIL
H93-06.16-009	29	1-JUN-1993	SOIL
H93-06.16-010	30	1-JUN-1993	SOIL
H93-06.16-011	31	1-JUN-1993	SOIL
H93-06.16-012	32	1-JUN-1993	SOIL
H93-06.16-013	33	1-JUN-1993	SOIL
H93-06.16-014	34	1-JUN-1993	SOIL
H93-06.16-015	35	1-JUN-1993	SOIL
H93-06.16-016	36	1-JUN-1993	SOIL
H93-06.16-017	37	1-JUN-1993	SOIL
H93-06.16-018	38	1-JUN-1993	SOIL
H93-06.16-019	39	1-JUN-1993	SOIL
H93-06.16-020	40	1-JUN-1993	SOIL
H93-06.16-021	41	1-JUN-1993	SOIL
H93-06.16-022	42	1-JUN-1993	SOIL
H93-06.16-023	43	1-JUN-1993	SOIL
H93-06.16-024	44	1-JUN-1993	SOIL
H93-06.16-025	45	1-JUN-1993	SOIL
H93-06.16-026	46	1-JUN-1993	SOIL
H93-06.16-027	47	1-JUN-1993	SOIL
H93-06.16-028	BLANK SPIKE	1-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. 8074 LAB NO.:H93-06.16

I. RECEIPT

A. DATE: June 02, 1993

B. NO. OF SAMPLES: (24) SOILS.

C. CLIENT SAMPLE ID's: #13; #14; #15; #27; #28; #29; #30; #31; #32; #33; #34; #35; #36; #37; #38; #39; #40; #41; #42; #43; #44; #45; #46; #47.

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: None

G. DOCUMENTATION: Data Quality Objective (DQO) level III. Soil samples provided from Hazen Research,Inc.

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

CLIENT ID	MATRIX	All Parameters
#1 (-10m + 80m SDE)	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: Sample (#30)was reanalyzed due to high amount of Phenanthrene at (1:180000) dilution. Both sets of data submitted.

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

June 15, 1993

Date

Samples submitted for C-PAH analysis

FAX# 303-218-1528

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

CHAIN OF CUSTODY RECORD

Proj No.:

Project Name: 8074

Samplers (Signature): [signature]

Sta. No.	Date	Time	Comp.	Grab	Station Location	No. of Containers							Remarks
13	6/1/93				-10m+80m SDE	1							
14	6/1/93				-80m+200m SDE	1							
15	6/1/93				-200m SDE	1							
27	6/1/93				MCO/SSDE ET1 ≤4 LPM	1							
28	6/1/93				MCO/SSDE ET1 ≤7.5 LPM	1							
29	6/1/93				MCO/SSDE ET1 Sink	1							
30	6/1/93				-1"+10m SDE ET2 Float (HMS)	1							
31	6/1/93				-1"+10m SDE ET2 Sink (HMS)	1							
32	6/1/93				C1/C2E-FT1-0:5min	1							
33	6/1/93				C1/C2E-FT1-5:15min	1							
34	6/1/93				C1/C2E FT1-15:25min	1							
*35	6/1/93				C1/C2E-FT1-Tails	1							
36	6/1/93				C1/C2E-FT2-0:5min	1							
37	6/1/93				C1/C2E-FT2-5:15min	1							
38	6/1/93				C1/C2E-FT2-15:25min	1							
*39	6/1/93				C1/C2E-FT2-Tails	1							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6/1/93 4:00pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature) [signature] 6/2/93 07:00 AM	Remarks:		

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originator's Copy

010485

Samples Submitted for C-PAH analysis

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

CHAIN OF CUSTODY RECORD

Proj No.

Project Name 8074

Samplers (Signature)

Sta. No.	Date	Time	Comp.	Grab	Station Location	No. of Containers							Remarks
40					C1/C2E-FT3-0:5min	1							
41					C1/C2E-FT3-5:15min	1							
42					C1/C2E-FT3-15:25min	1							
* 43					C1/C2E-FT3-Tails	1							
44					C1/C2E-FT4-0:5min	1							
45					C1/C2E-FT4-5:15min	1							
46					C1/C2E-FT4-15:25min	1							
* 47					C1/C2E-FT4-Tails	1							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	6/1/93 4:00pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature) 6/2/93 0930	Remarks:		

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originator's Copy

010004

010486

010486

Keystone Lab - Houston
Soil Surrogate Recovery Summary
Keystone Work Order # H93-06.16

Client Sample Name	S1 NBZ	S2 FBP	S3 TPH	S4 PHL	S5 2FP	S6 TBP	S7 2CP	S8 DCB
13	DL	DL	DL	DL	DL	DL	DL	DL
13 MS	DL	DL	DL	DL	DL	DL	DL	DL
13 MSD	DL	DL	DL	DL	DL	DL	DL	DL
14	DL	DL	DL	DL	DL	DL	DL	DL
15	DL	DL	DL	DL	DL	DL	DL	DL
27	DL	DL	DL	DL	DL	DL	DL	DL
28	DL	DL	DL	DL	DL	DL	DL	DL
29	DL	DL	DL	DL	DL	DL	DL	DL
30	DL	DL	DL	DL	DL	DL	DL	DL
30 DL1	DL	DL	DL	DL	DL	DL	DL	DL
31	DL	DL	DL	DL	DL	DL	DL	DL
32	DL	DL	DL	DL	DL	DL	DL	DL
33	DL	DL	DL	DL	DL	DL	DL	DL
34	DL	DL	DL	DL	DL	DL	DL	DL
35	DL	DL	DL	DL	DL	DL	DL	DL
36	DL	DL	DL	DL	DL	DL	DL	DL
37	DL	DL	DL	DL	DL	DL	DL	DL
38	DL	DL	DL	DL	DL	DL	DL	DL
39	DL	DL	DL	DL	DL	DL	DL	DL
40	DL	DL	DL	DL	DL	DL	DL	DL
41	DL	DL	DL	DL	DL	DL	DL	DL
42	DL	DL	DL	DL	DL	DL	DL	DL
43	DL	DL	DL	DL	DL	DL	DL	DL
44	DL	DL	DL	DL	DL	DL	DL	DL
45	DL	DL	DL	DL	DL	DL	DL	DL
46	DL	DL	DL	DL	DL	DL	DL	DL
47	DL	DL	DL	DL	DL	DL	DL	DL
BLANK SPIKE	75	73	88	60	68	88	62	75
SBLK 1 (LLS)	80	78	97	81	73	88	63	78

Surrogate Name	QC LIMITS	Surrogate Name	QC LIMITS
S1 (NBZ) = Nitrobenzene-d5	22-120	S2 (FBP) = 2-Fluorobiphenyl	30-115
S3 (TPH) = Terphenyl-d14	18-137	S4 (PHL) = Phenol-d5	24-113
S5 (2FP) = 2-Fluorophenol	25-121	S6 (TBP) = 2,4,6-Tribromophenol	19-122
S7 (2CP) = 2-Chlorophenol-d4	20-130**	S8 (DCB) = 1,2-Dichlorobenzene-d4	20-130**

0 out of 16 : outside of QC limits.

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

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 : 8074 Keystone WO: H93-06.16

BN Compound	Amount Spiked(µg)	Amount Recov.	Percent Recovery	QC Range %
1,2,4-Trichlorobenzene	1700	1300	76	38 - 107
Acenaphthene	1700	1400	82	31 - 137
2,4-Dinitrotoluene	1700	1500	88	28 - 89
Pyrene	1700	1800	106	35 - 142
N-Nitroso-di-n-propylamine	1700	1100	65	41 - 126
1,4-Dichlorobenzene	1700	1200	71	28 - 104
ACID Compound				
Pentachlorophenol	2500	3200	128 *	17 - 109
Phenol	2500	2200	88	26 - 90
2-Chlorophenol	2500	1900	76	25 - 102
4-Chloro-3-methylphenol	2500	2000	80	26 - 103
4-Nitrophenol	2500	1200	48	11 - 114

Recovery: B/N's 0 out of 6 outside QC limits.
Acids 1 out of 5 outside QC limits.

010489

INST ID: 4530 SAMPLE NUMBER: 13

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601602
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C02A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	140	27 J
C740	CHRYSENE	140	32 J
C765	BENZO(B)FLUORANTHENE	140	21 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	12 J
C780	INDENO(1,2,3-CD)PYRENE	140	4 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	

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

010490

INST ID: 4530 SAMPLE NUMBER: 13

ORGANICS ANALYSIS DATA SHEET -

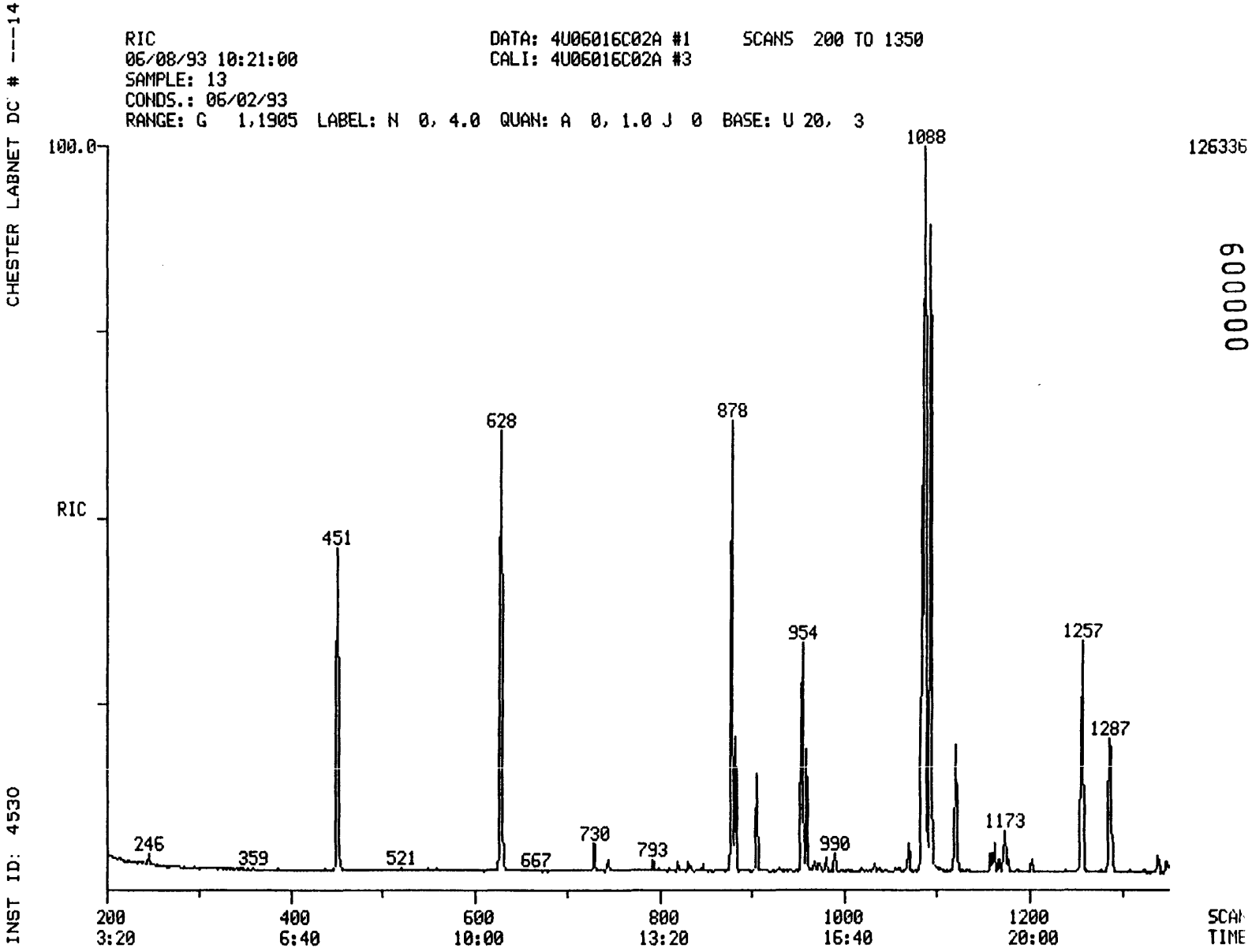
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601602
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C02A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	140	18 J
C540	ACENAPHTHYLENE	140	1 J
C550	ACENAPHTHENE	140	79 J
C590	FLUORENE	140	150
C640	PHENANTHRENE	140	420
C645	ANTHRACENE	140	500
C655	FLUORANTHENE	140	180
C715	PYRENE	140	110 J
C730	BENZO(A)ANTHRACENE	140	27 J
C740	CHRYSENE	140	32 J
C765	BENZO(B)FLUORANTHENE	140	21 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	12 J
C780	INDENO(1,2,3-CD)PYRENE	140	4 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	
C790	BENZO(GHI)PERYLENE	140	3 J

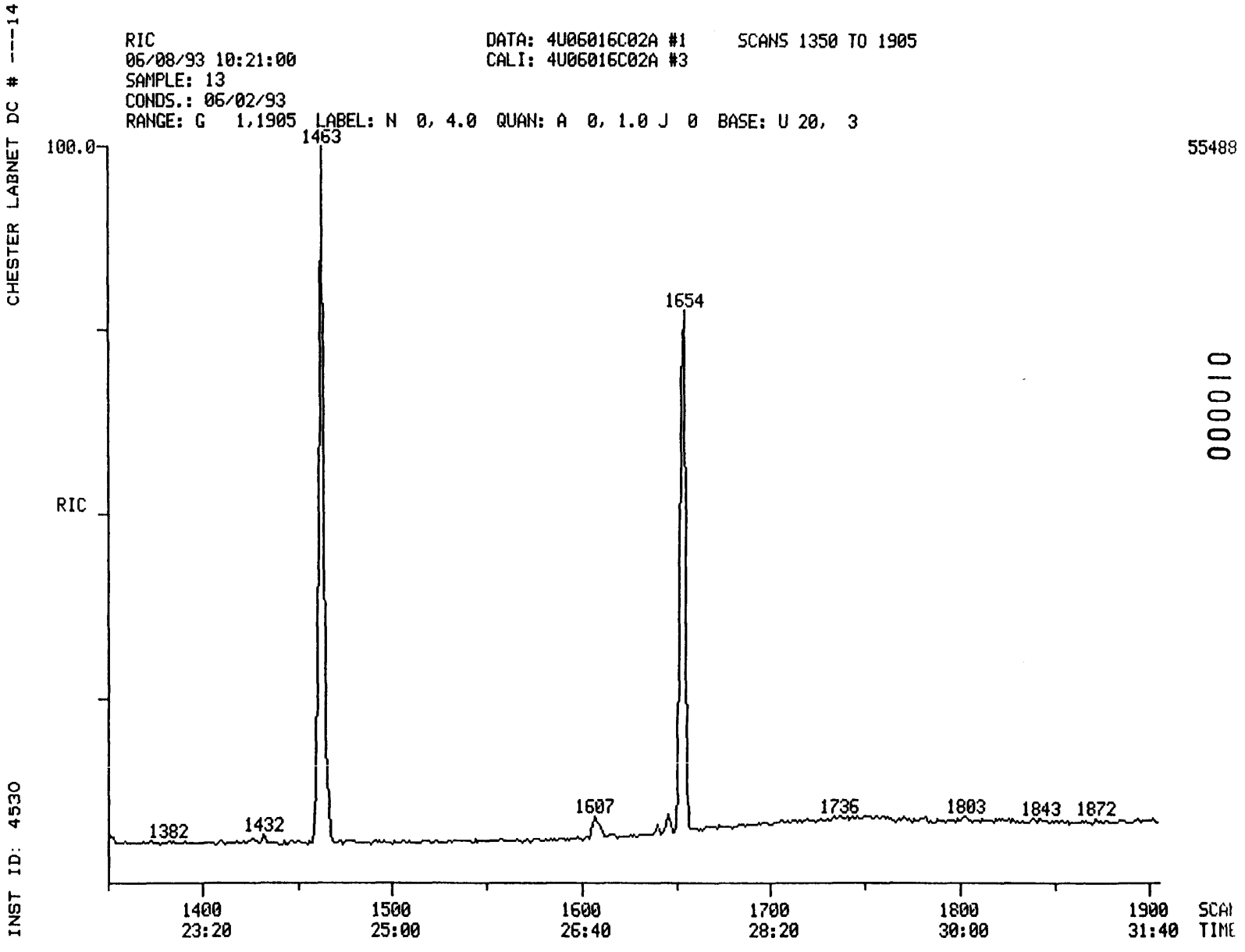
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000009

010491

010491


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/08/93 10:21:00
SAMPLE: 13
CONDS.: 06/02/93
RANGE: G 1,1905 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C02A #1
CALI: 4U06016C02A #3
SCANS 1350 TO 1905
100.0
RIC
1463
1654
1382
1432
1607
1736
1803
1843
1872
1400
23:20
1500
25:00
1600
26:40
1700
28:20
1800
30:00
1900
31:40
SCAN
TIME
55488
010000

010492

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010493

SAMPLE ID.	13		
FILENAME	4U06016C02A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 10:21:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	14.0C

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
451	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	280 MG/KG	1.000	19E
628	CI40	NAPHTHALENE-D8 ** IS2 **	136	280 MG/KG	1.000	80:
878	CI50	ACENAPHTHENE-D10 ** IS3 **	164	280 MG/KG	1.000	37⁴
1085	CI60	PHENANTHRENE-D10 ** IS4 **	188	280 MG/KG	1.000	66⁴
1463	CI70	CHRYSENE-D12 ** IS5 **	240	280 MG/KG	1.000	50:
1654	CI75	PERYLENE-D12 ** IS6 **	264	280 MG/KG	1.000	45:
630	C450	NAPHTHALENE	128	18 MG/KG	1.003	57
855	C540	ACENAPHTHYLENE	152	1 MG/KG	0.974	:
882	C550	ACENAPHTHENE	153	79 MG/KG	1.005	13⁹
954	C590	FLUORENE	166	151 MG/KG	1.087	26⁷
1088	C640	PHENANTHRENE	178	418 MG/KG	1.003	125:
1094	C645	ANTHRACENE	178	503 MG/KG	1.008	119⁹
1257	C655	FLUORANTHENE	202	175 MG/KG	1.159	46:
1287	C715	PYRENE	202	112 MG/KG	0.880	30C
1461	C730	BENZO(A)ANTHRACENE	228	27 MG/KG	0.999	6:
1466	C740	CHRYSENE	228	32 MG/KG	1.002	6C
1607	C765	BENZO(B)FLUORANTHENE	252	21 MG/KG	0.972	4⁹
1646	C775	BENZO(A)PYRENE	252	12 MG/KG	0.995	21
1803	C780	INDENO(1,2,3-CD)PYRENE	276	4 MG/KG	1.090	7
1844	C790	BENZO(GHI)PERYLENE	276	3 MG/KG	1.115	⁴

*SURROGATES WERE DILUTED OUT

010494

INST ID: 4530 SAMPLE NUMBER: 14

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601605
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:.. ... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C05
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	130	35 J
C740	CHRYSENE	130	48 J
C765	BENZO(B)FLUORANTHENE	130	19 J
C770	BENZO(K)FLUORANTHENE	130 U	
C775	BENZO(A)PYRENE	130	14 J
C780	INDENO(1,2,3-CD)PYRENE	130	3 J
C785	DIBENZO(A,H)ANTHRACENE	130 U	

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

010495

INST ID: 4530 SAMPLE NUMBER: 14

ORGANICS ANALYSIS DATA SHEET -

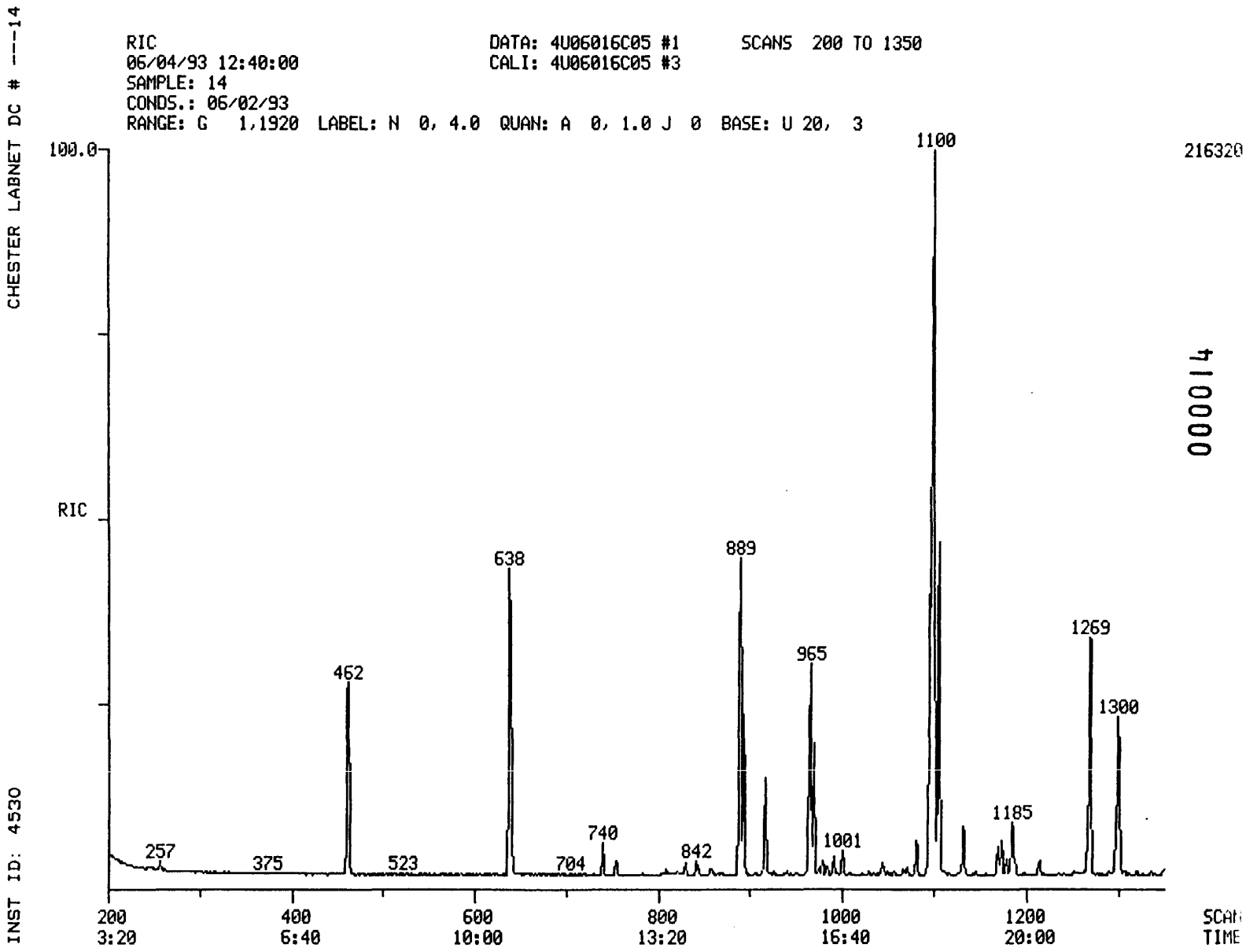
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601605
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C05
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	130	17 J
C540	ACENAPHTHYLENE	130	2 J
C550	ACENAPHTHENE	130	120 J
C590	FLUORENE	130	170
C640	PHENANTHRENE	130	580
C645	ANTHRACENE	130	320
C655	FLUORANTHENE	130	260
C715	PYRENE	130	180
C730	BENZO(A)ANTHRACENE	130	35 J
C740	CHRYSENE	130	48 J
C765	BENZO(B)FLUORANTHENE	130	19 J
C770	BENZO(K)FLUORANTHENE	130 U	
C775	BENZO(A)PYRENE	130	14 J
C780	INDENO(1,2,3-CD)PYRENE	130	3 J
C785	DIBENZO(A,H)ANTHRACENE	130 U	
C790	BENZO(GHI)PERYLENE	130	3 J

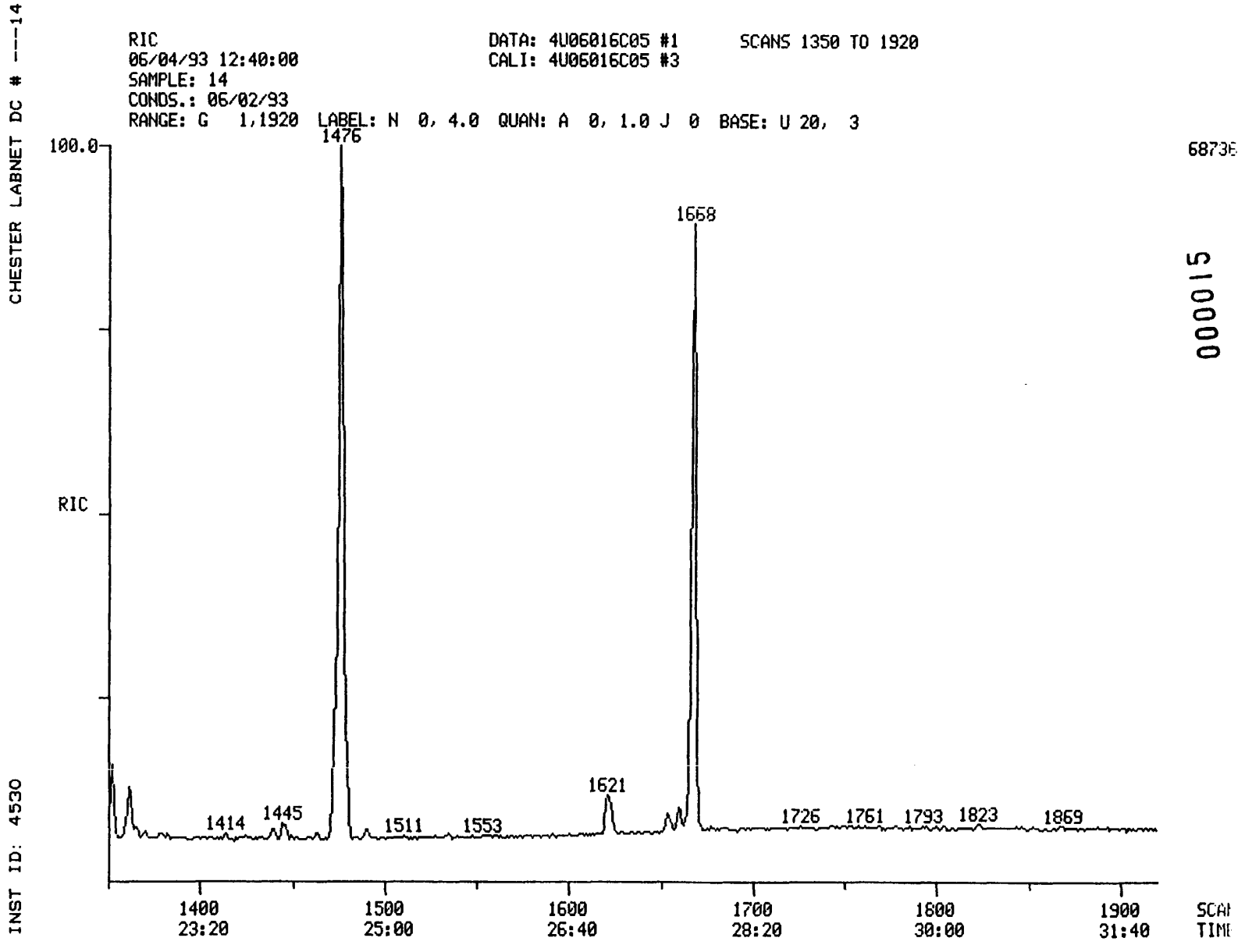
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



010000

010496

010496



000015

010497

010497

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010498

SAMPLE ID.	14		
FILENAME	4U06016C05	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 12:40:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	13.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
461	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	260	MG/KG	1.000	251
638	CI40	NAPHTHALENE-D8 ** IS2 **	136	260	MG/KG	1.000	1122
889	CI50	ACENAPHTHENE-D10 ** IS3 **	164	260	MG/KG	1.000	519
1096	CI60	PHENANTHRENE-D10 ** IS4 **	188	260	MG/KG	1.000	945
1476	CI70	CHRYSENE-D12 ** IS5 **	240	260	MG/KG	1.000	701
1668	CI75	PERYLENE-D12 ** IS6 **	264	260	MG/KG	1.000	646
641	C450	NAPHTHALENE	128	17	MG/KG	1.005	76
866	C540	ACENAPHTHYLENE	152	2	MG/KG	0.974	9
893	C550	ACENAPHTHENE	153	119	MG/KG	1.004	286
965	C590	FLUORENE	166	173	MG/KG	1.085	437
1100	C640	PHENANTHRENE	178	579	MG/KG	1.004	2358
1106	C645	ANTHRACENE	178	316	MG/KG	1.009	1069
1269	C655	FLUORANTHENE	202	264	MG/KG	1.158	1008
1300	C715	PYRENE	202	177	MG/KG	0.881	649
1474	C730	BENZO(A)ANTHRACENE	228	35	MG/KG	0.999	134
1479	C740	CHRYSENE	228	48	MG/KG	1.002	105
1621	C765	BENZO(B)FLUORANTHENE	252	19	MG/KG	0.972	90
1660	C775	BENZO(A)PYRENE	252	14	MG/KG	0.995	39
1823	C780	INDENO(1,2,3-CD)PYRENE	276	3	MG/KG	1.093	9
1867	C790	BENZO(GHI)PERYLENE	276	3	MG/KG	1.119	8

SURROGATES WERE DILUTED OUT

010499

INST ID: 4530 SAMPLE NUMBER: 15

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601606
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C06A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	540	150 J
C740	CHRYSENE	540	160 J
C765	BENZO(B)FLUORANTHENE	540	100 J
C770	BENZO(K)FLUORANTHENE	540 U	
C775	BENZO(A)PYRENE	540	60 J
C780	INDENO(1,2,3-CD)PYRENE	540	13 J
C785	DIBENZO(A,H)ANTHRACENE	540 U	

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

010500

INST ID: 4530 SAMPLE NUMBER: 15

ORGANICS ANALYSIS DATA SHEET -

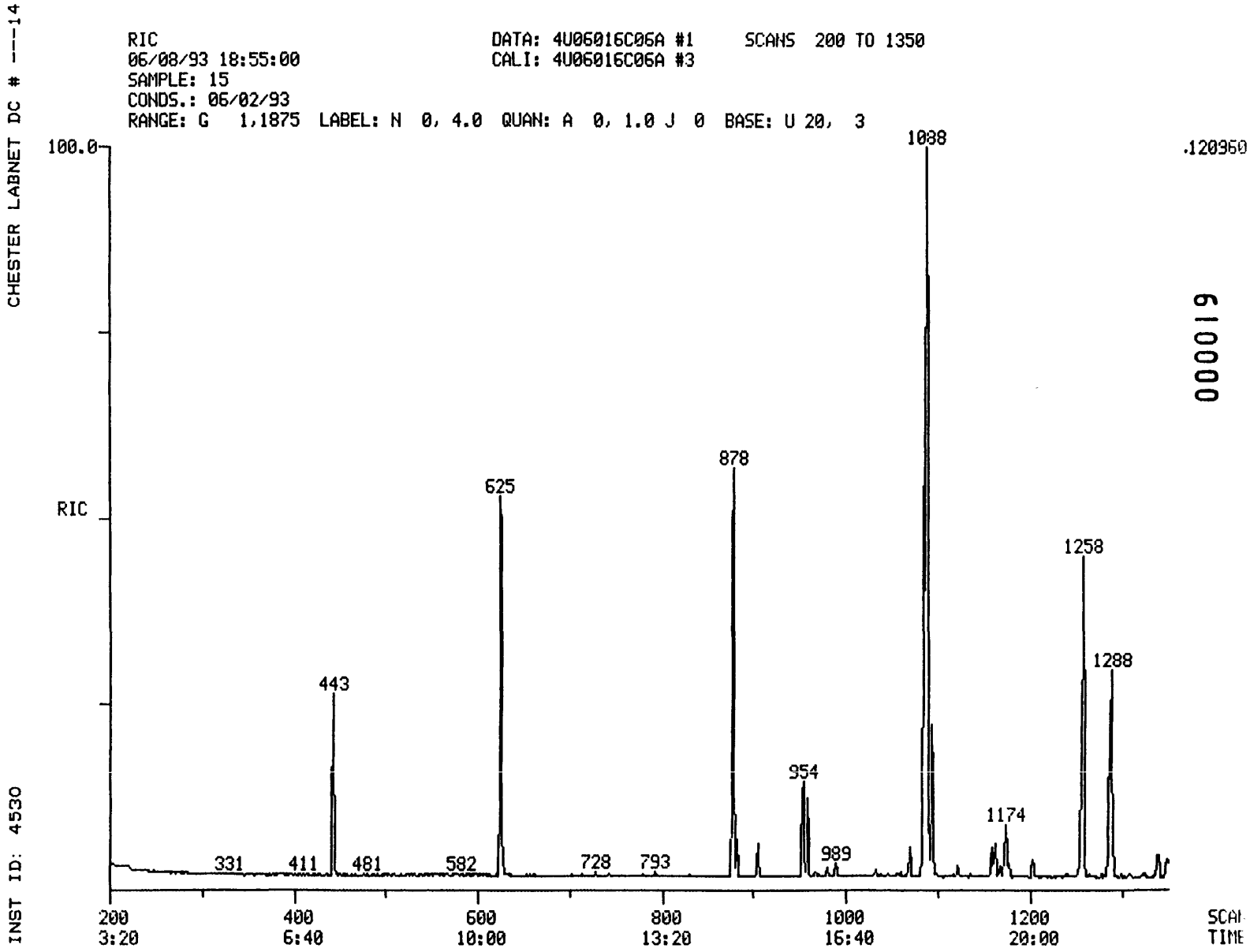
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601606
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C06A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	540	18 J
C540	ACENAPHTHYLENE	540 U	
C550	ACENAPHTHENE	540	91 J
C590	FLUORENE	540	280 J
C640	PHENANTHRENE	540	1600
C645	ANTHRACENE	540	520 J
C655	FLUORANTHENE	540	1000
C715	PYRENE	540	590
C730	BENZO(A)ANTHRACENE	540	150 J
C740	CHRYSENE	540	160 J
C765	BENZO(B)FLUORANTHENE	540	100 J
C770	BENZO(K)FLUORANTHENE	540 U	
C775	BENZO(A)PYRENE	540	60 J
C780	INDENO(1,2,3-CD)PYRENE	540	13 J
C785	DIBENZO(A,H)ANTHRACENE	540 U	
C790	BENZO(GHI)PERYLENE	540	15 J

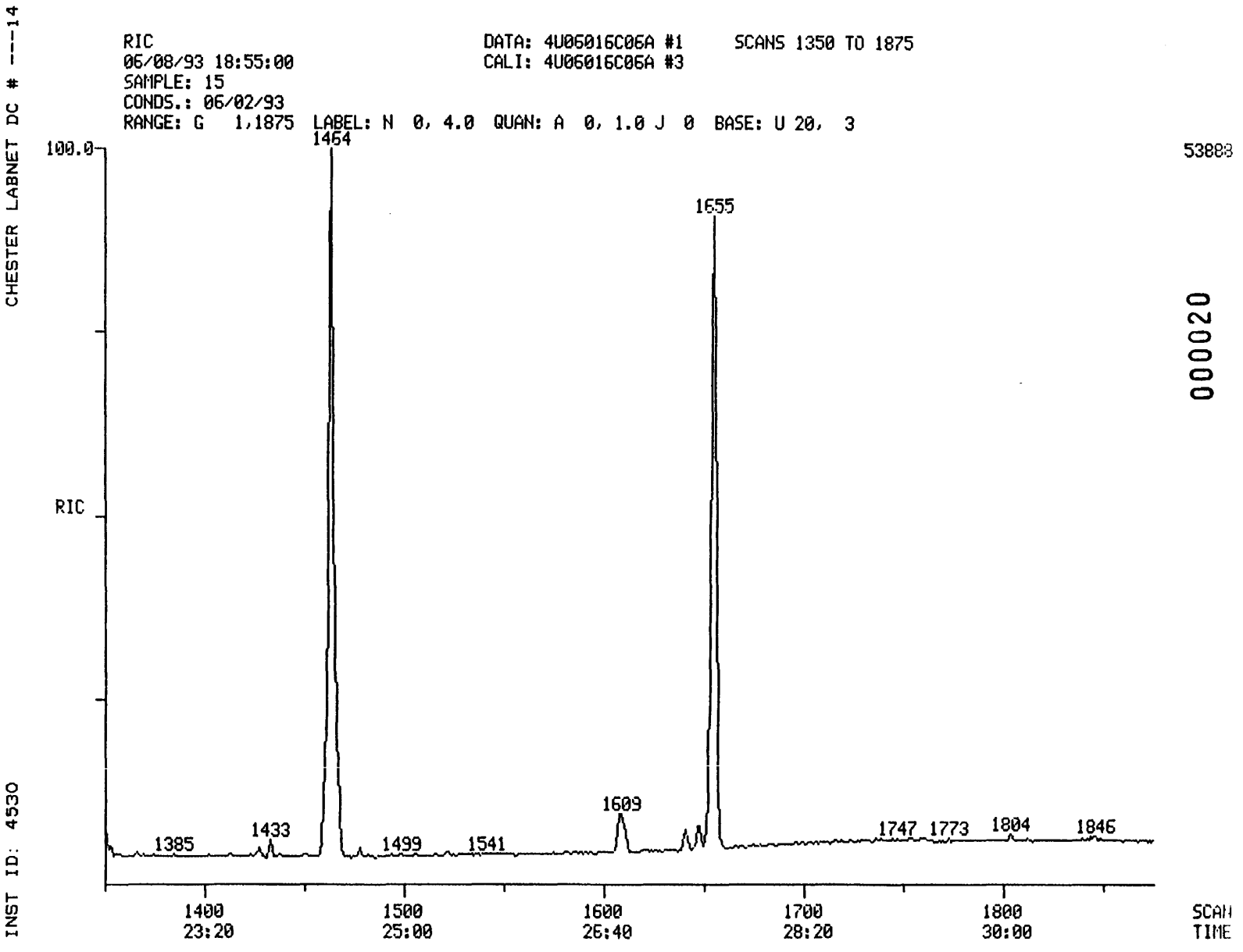
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000019

010501

010501



53888

000020

010502

010502

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010503

SAMPLE ID. 15

FILENAME 4U06016C06A INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 06/08/93 18:55:00 VERIFIED BY

CALIB STD DATE 06/02/93 CORR. FACTOR 54.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
443	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1080 MG/KG	1.000	13C
625	CI40	NAPHTHALENE-D8 ** IS2 **	136	1080 MG/KG	1.000	787
878	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1080 MG/KG	1.000	37C
1085	CI60	PHENANTHRENE-D10 ** IS4 **	188	1080 MG/KG	1.000	669
1464	CI70	CHRYSENE-D12 ** IS5 **	240	1080 MG/KG	1.000	55C
1655	CI75	PERYLENE-D12 ** IS6 **	264	1080 MG/KG	1.000	542
628	C450	NAPHTHALENE	128	18 MG/KG	1.005	14
882	C550	ACENAPHTHENE	153	91 MG/KG	1.005	41
954	C590	FLUORENE	166	281 MG/KG	1.087	127
1088	C640	PHENANTHRENE	178	1608 MG/KG	1.003	1256
1094	C645	ANTHRACENE	178	518 MG/KG	1.008	321
1258	C655	FLUORANTHENE	202	1004 MG/KG	1.159	693
1288	C715	PYRENE	202	589 MG/KG	0.880	44E
1461	C730	BENZO(A)ANTHRACENE	228	145 MG/KG	0.998	97
1467	C740	CHRYSENE	228	159 MG/KG	1.002	85
1609	C765	BENZO(B)FLUORANTHENE	252	101 MG/KG	0.972	73
1647	C775	BENZO(A)PYRENE	252	60 MG/KG	0.995	32
1804	C780	INDENO(1,2,3-CD)PYRENE	276	13 MG/KG	1.090	7
1845	C790	BENZO(GHI)PERYLENE	276	15 MG/KG	1.115	6

*SURROGATES WERE DILUTED OUT

010504

INST ID: 4530 SAMPLE NUMBER: 27

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601607
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C07
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	210	92 J
C740	CHRYSENE	210	130 J
C765	BENZO(B)FLUORANTHENE	210	50 J
C770	BENZO(K)FLUORANTHENE	210 U	
C775	BENZO(A)PYRENE	210	36 J
C780	INDENO(1,2,3-CD)PYRENE	210	9 J
C785	DIBENZO(A,H)ANTHRACENE	210 U	

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

010505

INST ID: 4530 SAMPLE NUMBER: 27

ORGANICS ANALYSIS DATA SHEET -

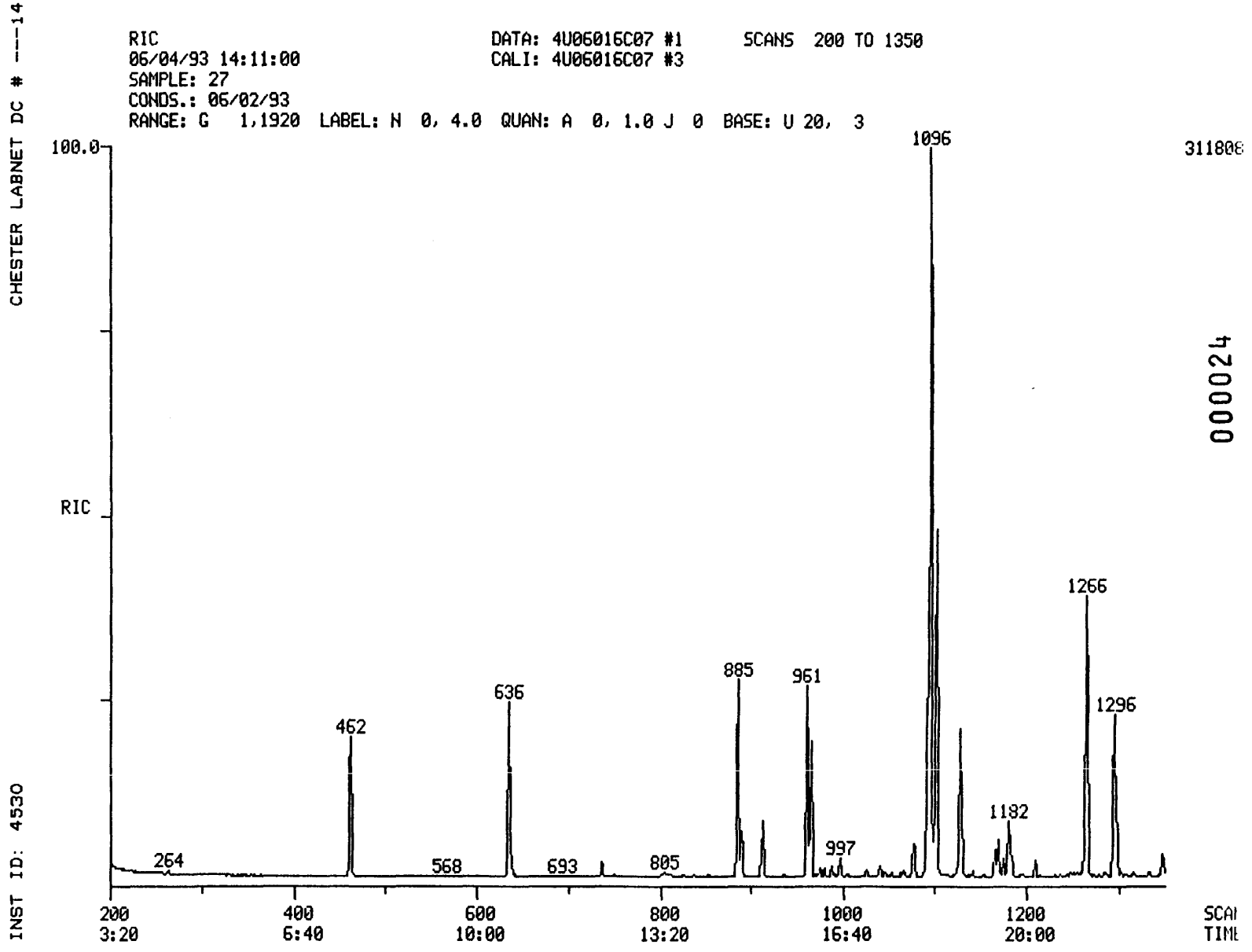
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601607
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C07
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	210	50 J
C540	ACENAPHTHYLENE	210	2 J
C550	ACENAPHTHENE	210	95 J
C590	FLUORENE	210	410
C640	PHENANTHRENE	210	1600
C645	ANTHRACENE	210	990
C655	FLUORANTHENE	210	710
C715	PYRENE	210	490
C730	BENZO(A)ANTHRACENE	210	92 J
C740	CHRYSENE	210	130 J
C765	BENZO(B)FLUORANTHENE	210	50 J
C770	BENZO(K)FLUORANTHENE	210 U	
C775	BENZO(A)PYRENE	210	36 J
C780	INDENO(1,2,3-CD)PYRENE	210	9 J
C785	DIBENZO(A,H)ANTHRACENE	210 U	
C790	BENZO(GHI)PERYLENE	210	9 J

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

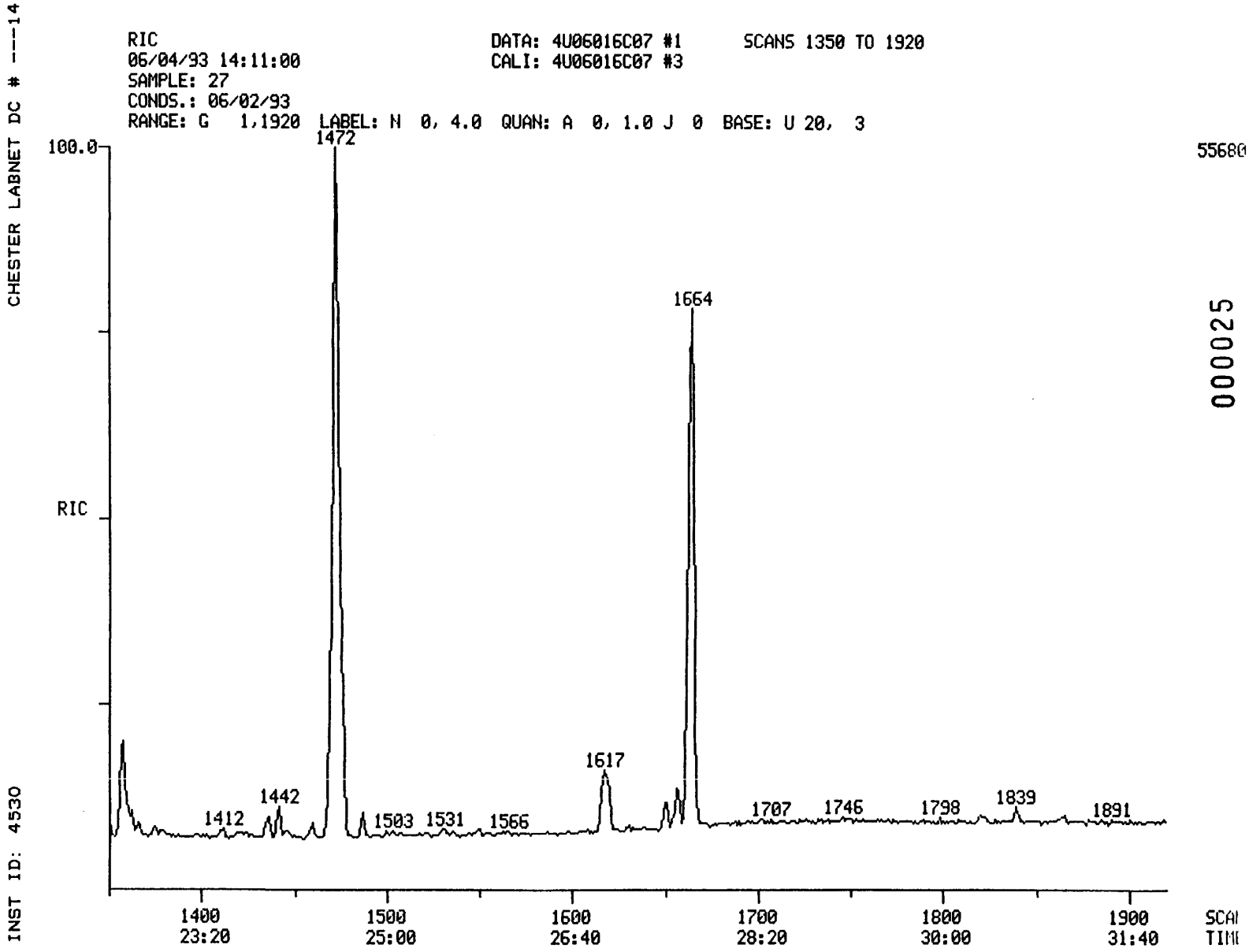


311808

000024

010506

010506



000025

010507

010507

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010508

SAMPLE ID.	27		
FILENAME	4U06016C07	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 14:11:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	21.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
462	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	420	MG/KG	1.000	229
636	CI40	NAPHTHALENE-D8 ** IS2 **	136	420	MG/KG	1.000	943
885	CI50	ACENAPHTHENE-D10 ** IS3 **	164	420	MG/KG	1.000	455
1093	CI60	PHENANTHRENE-D10 ** IS4 **	188	420	MG/KG	1.000	812
1472	CI70	CHRYSENE-D12 ** IS5 **	240	420	MG/KG	1.000	560
1664	CI75	PERYLENE-D12 ** IS6 **	264	420	MG/KG	1.000	497
638	C450	NAPHTHALENE	128	50	MG/KG	1.003	115
862	C540	ACENAPHTHYLENE	152	2	MG/KG	0.974	4
889	C550	ACENAPHTHENE	153	95	MG/KG	1.005	123
961	C590	FLUORENE	166	415	MG/KG	1.086	568
1096	C640	PHENANTHRENE	178	1597	MG/KG	1.003	3462
1102	C645	ANTHRACENE	178	988	MG/KG	1.008	1777
1266	C655	FLUORANTHENE	202	711	MG/KG	1.158	1446
1296	C715	PYRENE	202	487	MG/KG	0.880	883
1470	C730	BENZO(A)ANTHRACENE	228	92	MG/KG	0.999	176
1476	C740	CHRYSENE	228	131	MG/KG	1.003	142
1617	C765	BENZO(B)FLUORANTHENE	252	50	MG/KG	0.972	111
1656	C775	BENZO(A)PYRENE	252	36	MG/KG	0.995	47
1820	C780	INDENO(1,2,3-CD)PYRENE	276	9	MG/KG	1.094	13
1863	C790	BENZO(GHI)PERYLENE	276	9	MG/KG	1.120	10

SURROGATES WERE DILUTED OUT

010509

INST ID: 4530 SAMPLE NUMBER: 28

ORGANICS ANALYSIS DATA SHEET

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601608
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C08
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	140	43 J
C740	CHRYSENE	140	60 J
C765	BENZO(B)FLUORANTHENE	140	22 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	15 J
C780	INDENO(1,2,3-CD)PYRENE	140	3 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	

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

010510

INST ID: 4530 SAMPLE NUMBER: 28

ORGANICS ANALYSIS DATA SHEET -

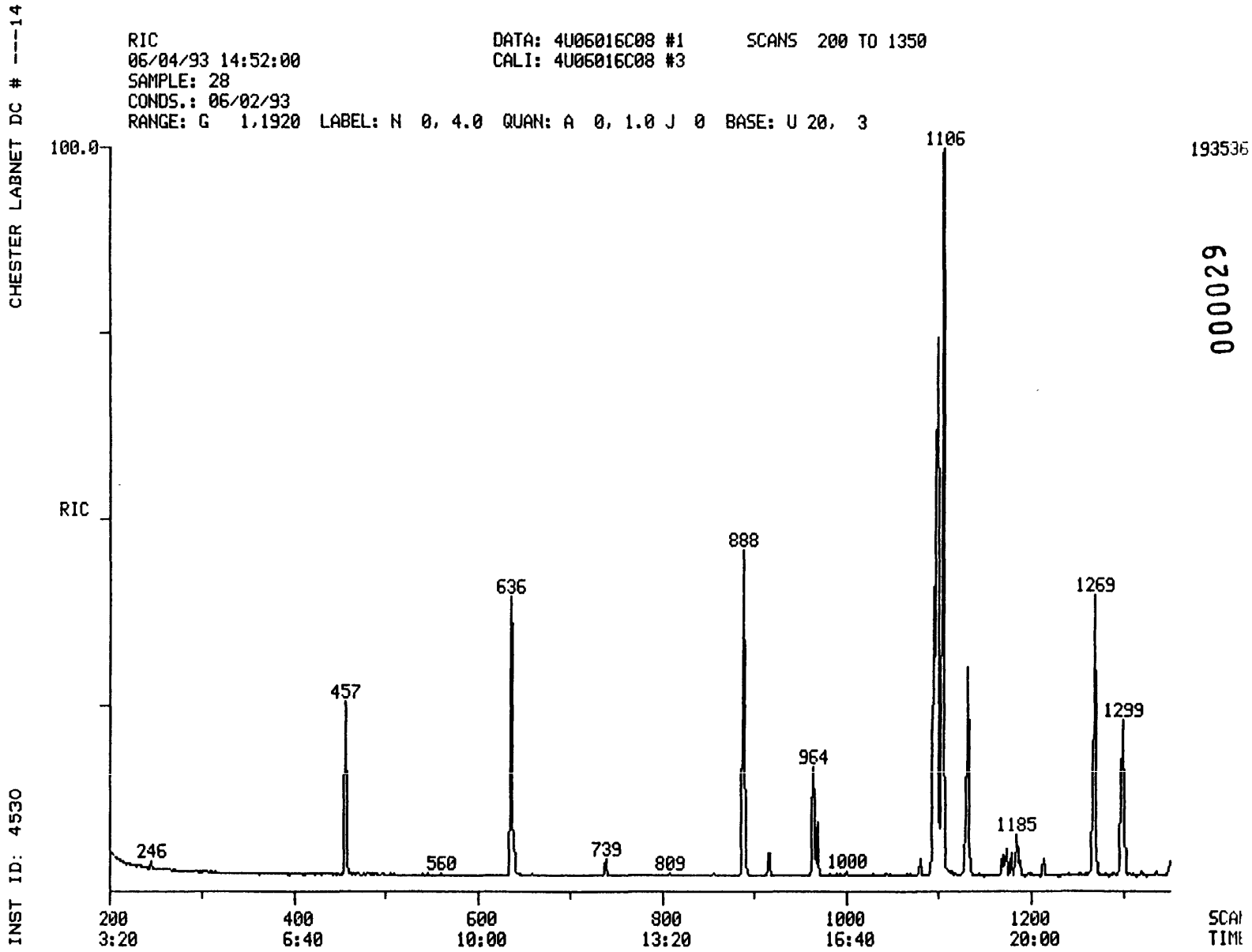
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601608
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C08
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	140	25 J
C540	ACENAPHTHYLENE	140 U	
C550	ACENAPHTHENE	140	4 J
C590	FLUORENE	140	100 J
C640	PHENANTHRENE	140	470
C645	ANTHRACENE	140	840
C655	FLUORANTHENE	140	290
C715	PYRENE	140	200
C730	BENZO(A)ANTHRACENE	140	43 J
C740	CHRYSENE	140	60 J
C765	BENZO(B)FLUORANTHENE	140	22 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	15 J
C780	INDENO(1,2,3-CD)PYRENE	140	3 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	
C790	BENZO(GHI)PERYLENE	140	3 J

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

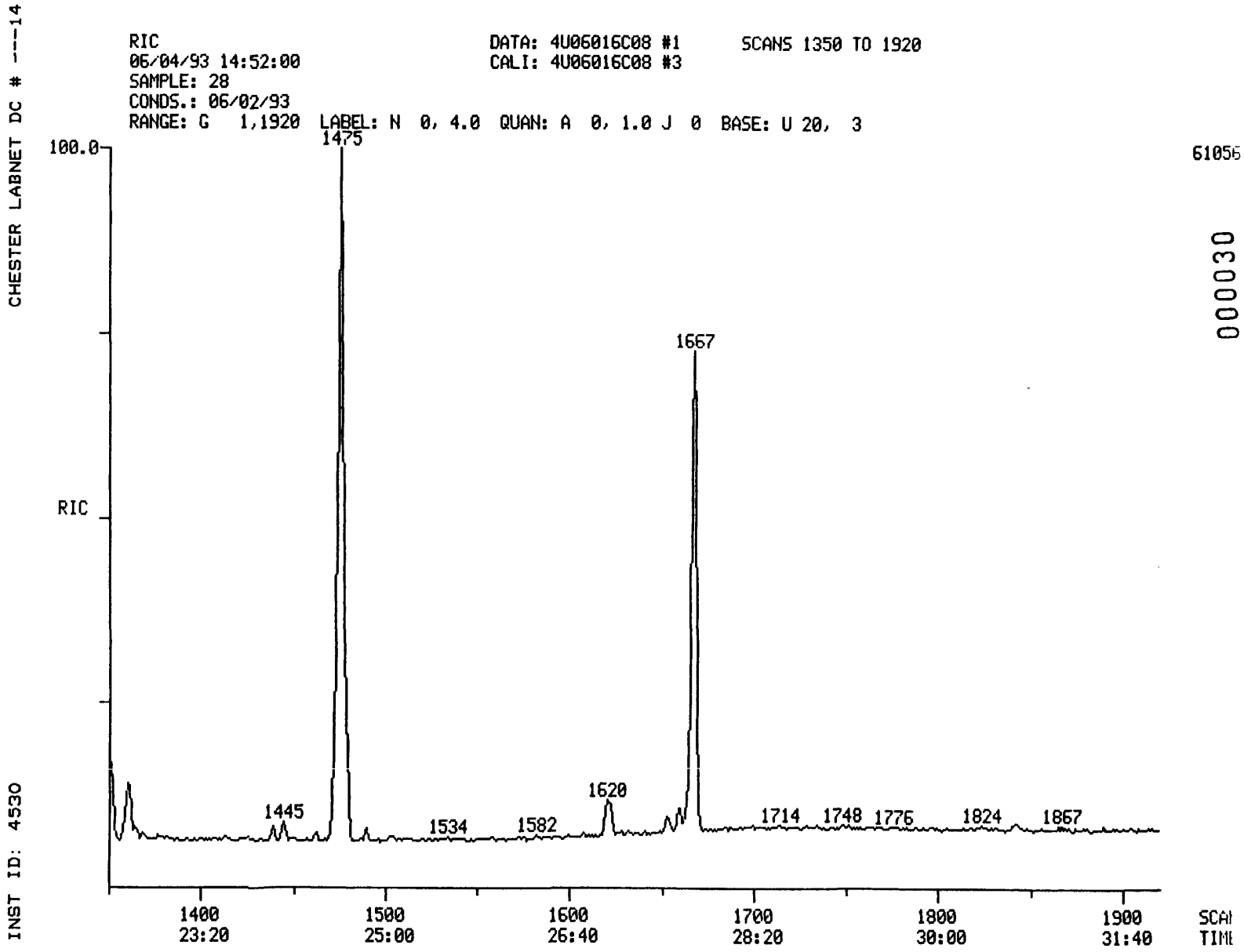


193536

000029

010511

010511



61056

000030

010512

010512

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010513

SAMPLE ID.	28		
FILENAME	4U06016C08	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 14:52:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	14.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
456	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	280	MG/KG	1.000	214
636	CI40	NAPHTHALENE-D8 ** IS2 **	136	280	MG/KG	1.000	957
888	CI50	ACENAPHTHENE-D10 ** IS3 **	164	280	MG/KG	1.000	465
1095	CI60	PHENANTHRENE-D10 ** IS4 **	188	280	MG/KG	1.000	852
1475	CI70	CHRYSENE-D12 ** IS5 **	240	280	MG/KG	1.000	612
1667	CI75	PERYLENE-D12 ** IS6 **	264	280	MG/KG	1.000	550
639	C450	NAPHTHALENE	128	25	MG/KG	1.005	88
892	C550	ACENAPHTHENE	153	4	MG/KG	1.005	7
964	C590	FLUORENE	166	102	MG/KG	1.086	214
1099	C640	PHENANTHRENE	178	470	MG/KG	1.004	1603
1105	C645	ANTHRACENE	178	835	MG/KG	1.009	2364
1269	C655	FLUORANTHENE	202	290	MG/KG	1.159	928
1299	C715	PYRENE	202	205	MG/KG	0.881	607
1473	C730	BENZO(A)ANTHRACENE	228	43	MG/KG	0.999	133
1479	C740	CHRYSENE	228	60	MG/KG	1.003	107
1620	C765	BENZO(B)FLUORANTHENE	252	22	MG/KG	0.972	80
1659	C775	BENZO(A)PYRENE	252	15	MG/KG	0.995	32
1823	C780	INDENO(1,2,3-CD)PYRENE	276	3	MG/KG	1.094	6
1867	C790	BENZO(GHI)PERYLENE	276	3	MG/KG	1.120	5

*SURROGATES WERE DILUTED OUT

010514

INST ID: 4530 SAMPLE NUMBER: 29

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601609
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..RB.... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C09
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	130	21 J
C740	CHRYSENE	130	33 J
C765	BENZO(B)FLUORANTHENE	130	10 J
C770	BENZO(K)FLUORANTHENE	130 U	
C775	BENZO(A)PYRENE	130	6 J
C780	INDENO(1,2,3-CD)PYRENE	130 U	
C785	DIBENZO(A,H)ANTHRACENE	130 U	

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

010515

INST ID: 4530 SAMPLE NUMBER: 29

ORGANICS ANALYSIS DATA SHEET -

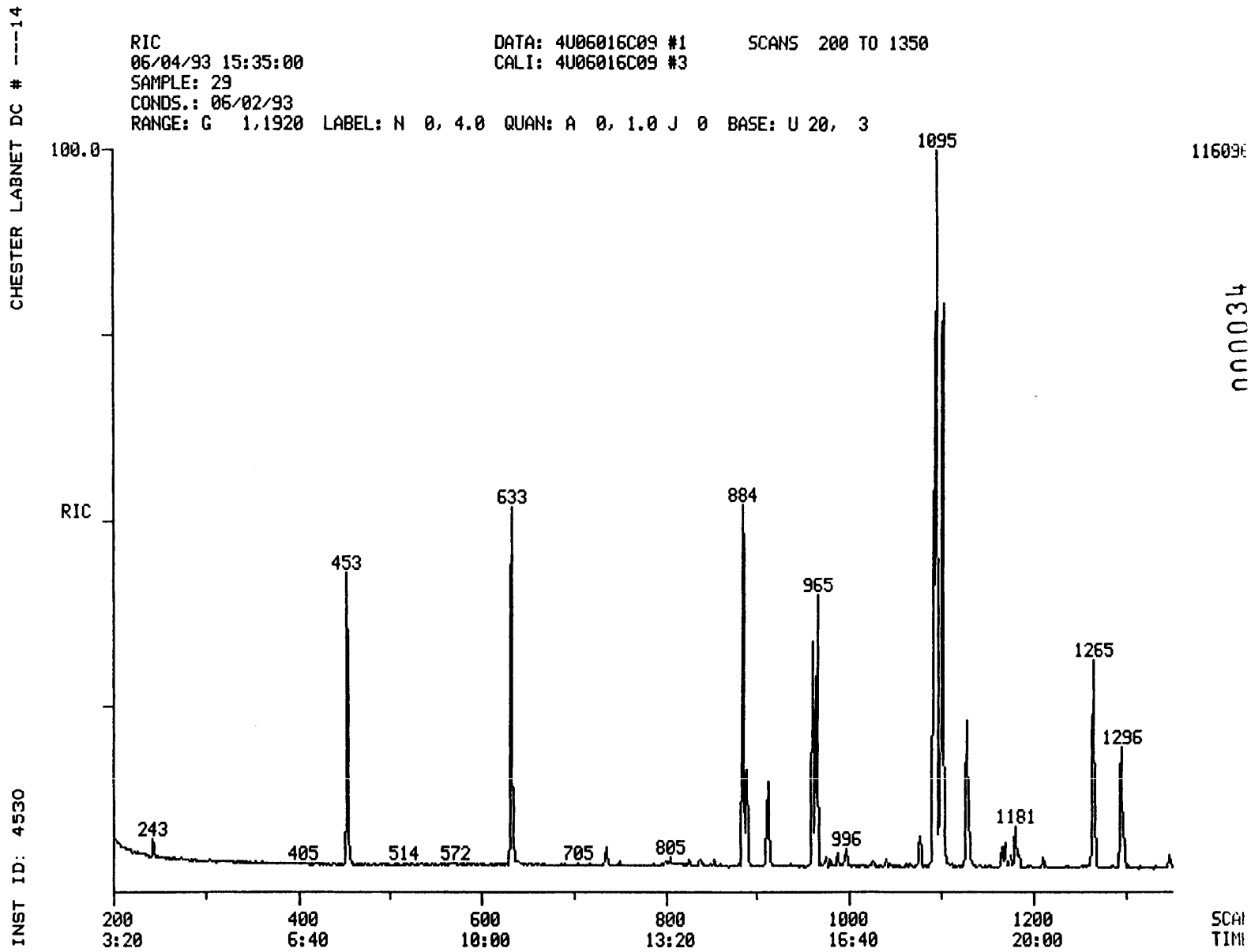
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601609
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C09
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	130	17 J
C540	ACENAPHTHYLENE	130 U	
C550	ACENAPHTHENE	130	73 J
C590	FLUORENE	130	170
C640	PHENANTHRENE	130	460
C645	ANTHRACENE	130	500
C655	FLUORANTHENE	130	170
C715	PYRENE	130	120 J
C730	BENZO(A)ANTHRACENE	130	21 J
C740	CHRYSENE	130	33 J
C765	BENZO(B)FLUORANTHENE	130	10 J
C770	BENZO(K)FLUORANTHENE	130 U	
C775	BENZO(A)PYRENE	130	6 J
C780	INDENO(1,2,3-CD)PYRENE	130 U	
C785	DIBENZO(A,H)ANTHRACENE	130 U	
C790	BENZO(GHI)PERYLENE	130 U	

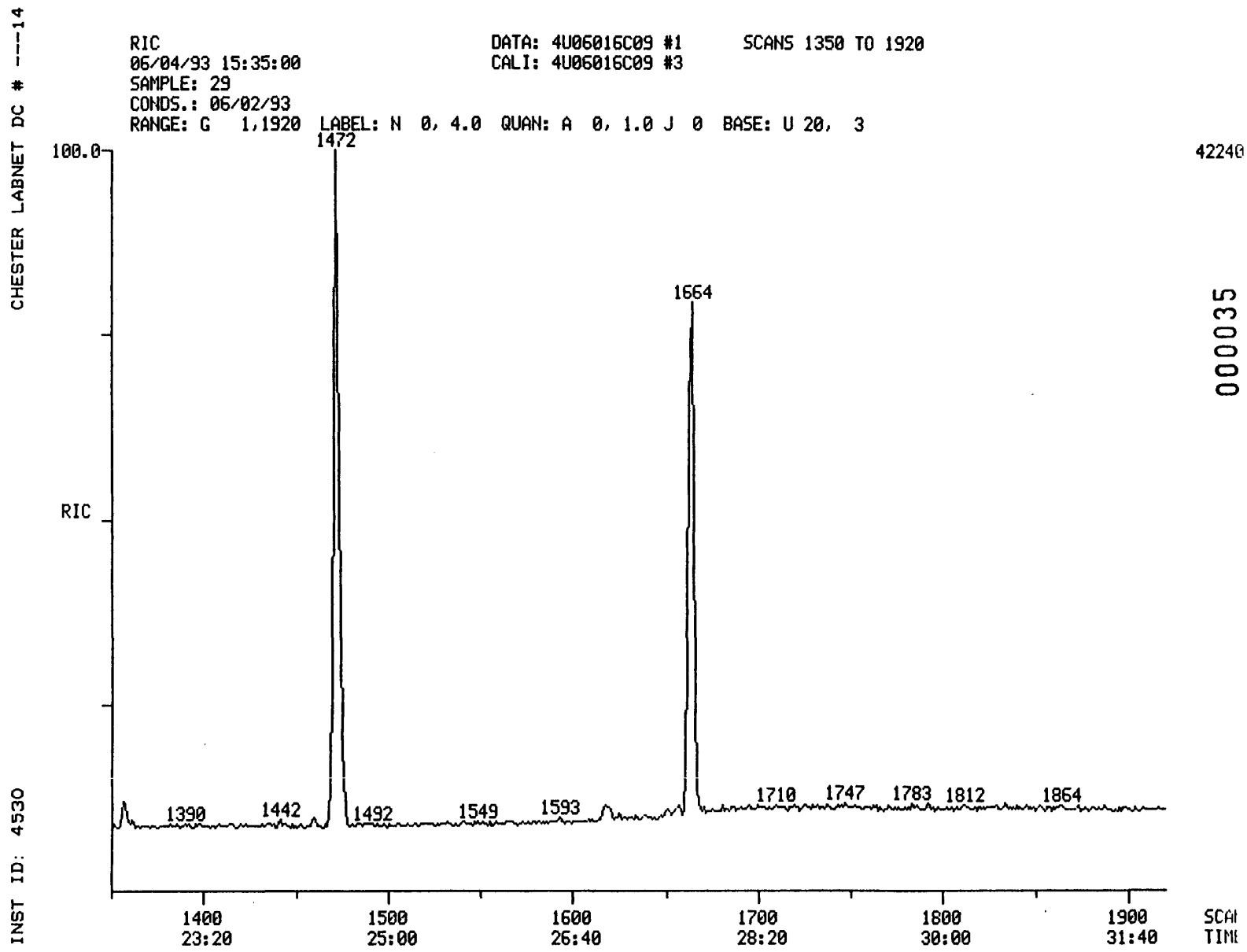
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000034

010516

010516



000035

010517

010517

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010518

SAMPLE ID.	29		
FILENAME	4U06016C09	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 15:35:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	13.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
453	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	260 MG/KG	1.000	180
633	CI40	NAPHTHALENE-D8 ** IS2 **	136	260 MG/KG	1.000	720
884	CI50	ACENAPHTHENE-D10 ** IS3 **	164	260 MG/KG	1.000	344
1092	CI60	PHENANTHRENE-D10 ** IS4 **	188	260 MG/KG	1.000	622
1472	CI70	CHRYSENE-D12 ** IS5 **	240	260 MG/KG	1.000	428
1664	CI75	PERYLENE-D12 ** IS6 **	264	260 MG/KG	1.000	380
635	C450	NAPHTHALENE	128	17 MG/KG	1.003	48
889	C550	ACENAPHTHENE	153	73 MG/KG	1.006	116
961	C590	FLUORENE	166	166 MG/KG	1.087	278
1095	C640	PHENANTHRENE	178	464 MG/KG	1.003	1245
1101	C645	ANTHRACENE	178	496 MG/KG	1.008	1104
1265	C655	FLUORANTHENE	202	173 MG/KG	1.158	436
1296	C715	PYRENE	202	122 MG/KG	0.880	272
1470	C730	BENZO(A)ANTHRACENE	228	21 MG/KG	0.999	50
1475	C740	CHRYSENE	228	33 MG/KG	1.002	43
1618	C765	BENZO(B)FLUORANTHENE	252	10 MG/KG	0.972	28
1656	C775	BENZO(A)PYRENE	252	6 MG/KG	0.995	10

*SURROGATES WERE DILUTED OUT

010519

INST ID: 4530 SAMPLE NUMBER: 30

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601610
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C10
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	370	310 J
C740	CHRYSENE	370	400
C765	BENZO(B)FLUORANTHENE	370	180 J
C770	BENZO(K)FLUORANTHENE	370 U	
C775	BENZO(A)PYRENE	370	170 J
C780	INDENO(1,2,3-CD)PYRENE	370	46 J
C785	DIBENZO(A,H)ANTHRACENE	370	7 J

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

010520

INST ID: 4530 SAMPLE NUMBER: 30

ORGANICS ANALYSIS DATA SHEET -

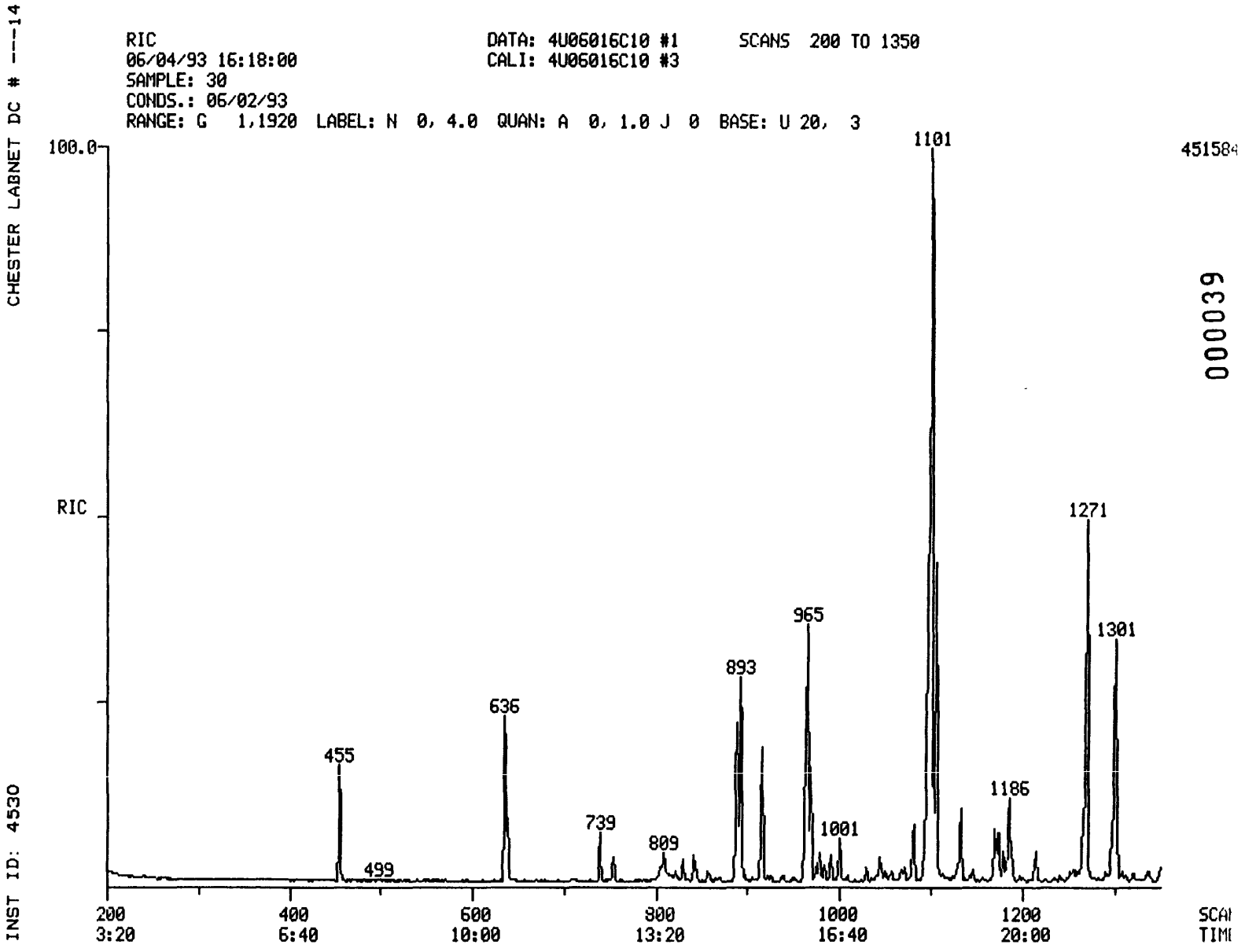
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601610
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C10
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	370	230 J
C540	ACENAPHTHYLENE	370	24 J
C550	ACENAPHTHENE	370	990
C590	FLUORENE	370	1400
C640	PHENANTHRENE	370	3400 *
C645	ANTHRACENE	370	1600
C655	FLUORANTHENE	370	2200
C715	PYRENE	370	1500
C730	BENZO(A)ANTHRACENE	370	310 J
C740	CHRYSENE	370	400
C765	BENZO(B)FLUORANTHENE	370	180 J
C770	BENZO(K)FLUORANTHENE	370 U	
C775	BENZO(A)PYRENE	370	170 J
C780	INDENO(1,2,3-CD)PYRENE	370	46 J
C785	DIBENZO(A,H)ANTHRACENE	370	7 J
C790	BENZO(GHI)PERYLENE	370	48 J

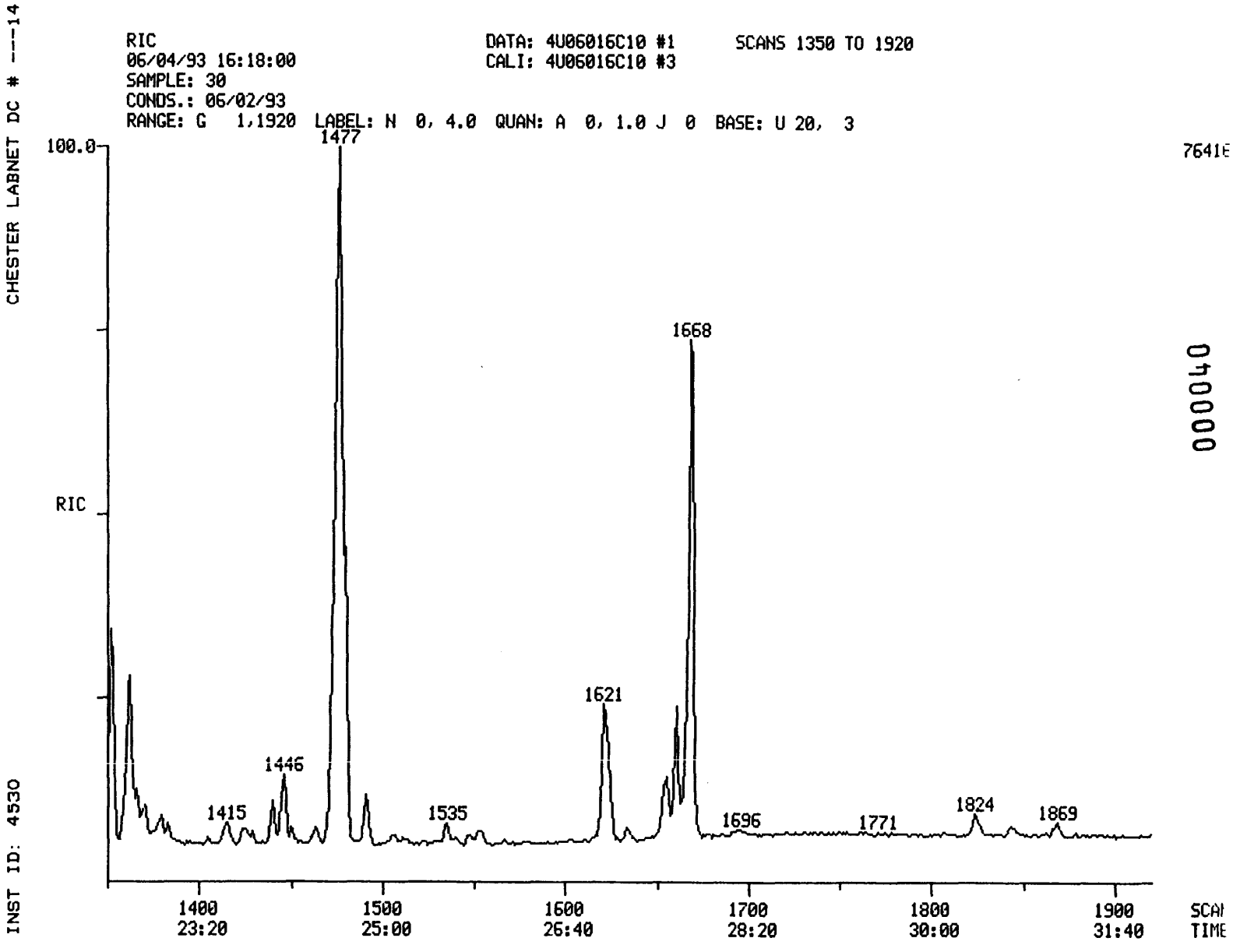
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT
* = COMPOUND AMOUNT TAKEN FROM A 1:180000 DILUTION



000039

010521

010521



010000

010522

010522

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010523

SAMPLE ID.	30		
FILENAME	4U06016C10	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 16:18:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	37.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
455	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	740	MG/KG	1.000	272
636	CI40	NAPHTHALENE-D8 ** IS2 **	136	740	MG/KG	1.000	1248
889	CI50	ACENAPHTHENE-D10 ** IS3 **	164	740	MG/KG	1.000	578
1097	CI60	PHENANTHRENE-D10 ** IS4 **	188	740	MG/KG	1.000	1000
1477	CI70	CHRYSENE-D12 ** IS5 **	240	740	MG/KG	1.000	759
1668	CI75	PERYLENE-D12 ** IS6 **	264	740	MG/KG	1.000	703
639	C450	NAPHTHALENE	128	227	MG/KG	1.005	396
866	C540	ACENAPHTHYLENE	152	24	MG/KG	0.974	36
893	C550	ACENAPHTHENE	153	986	MG/KG	1.004	925
965	C590	FLUORENE	166	1357	MG/KG	1.085	1339
1101	C640	PHENANTHRENE	178	4520	MG/KG	1.004	6856
1107	C645	ANTHRACENE	178	1603	MG/KG	1.009	2016
1271	C655	FLUORANTHENE	202	2200	MG/KG	1.159	3128
1301	C715	PYRENE	202	1456	MG/KG	0.881	2028
1475	C730	BENZO(A)ANTHRACENE	228	309	MG/KG	0.999	453
1480	C740	CHRYSENE	228	397	MG/KG	1.002	332
1621	C765	BENZO(B)FLUORANTHENE	252	176	MG/KG	0.972	315
1661	C775	BENZO(A)PYRENE	252	165	MG/KG	0.996	173
1824	C780	INDENO(1,2,3-CD)PYRENE	276	46	MG/KG	1.094	5
1828	C785	DIBENZO(A,H)ANTHRACENE	278	7	MG/KG	1.096	[illegible]
1869	C790	BENZO(GHI)PERYLENE	276	48	MG/KG	1.121	43

*SURROGATES WERE DILUTED OUT

CHESTER LABNET DC # ---14

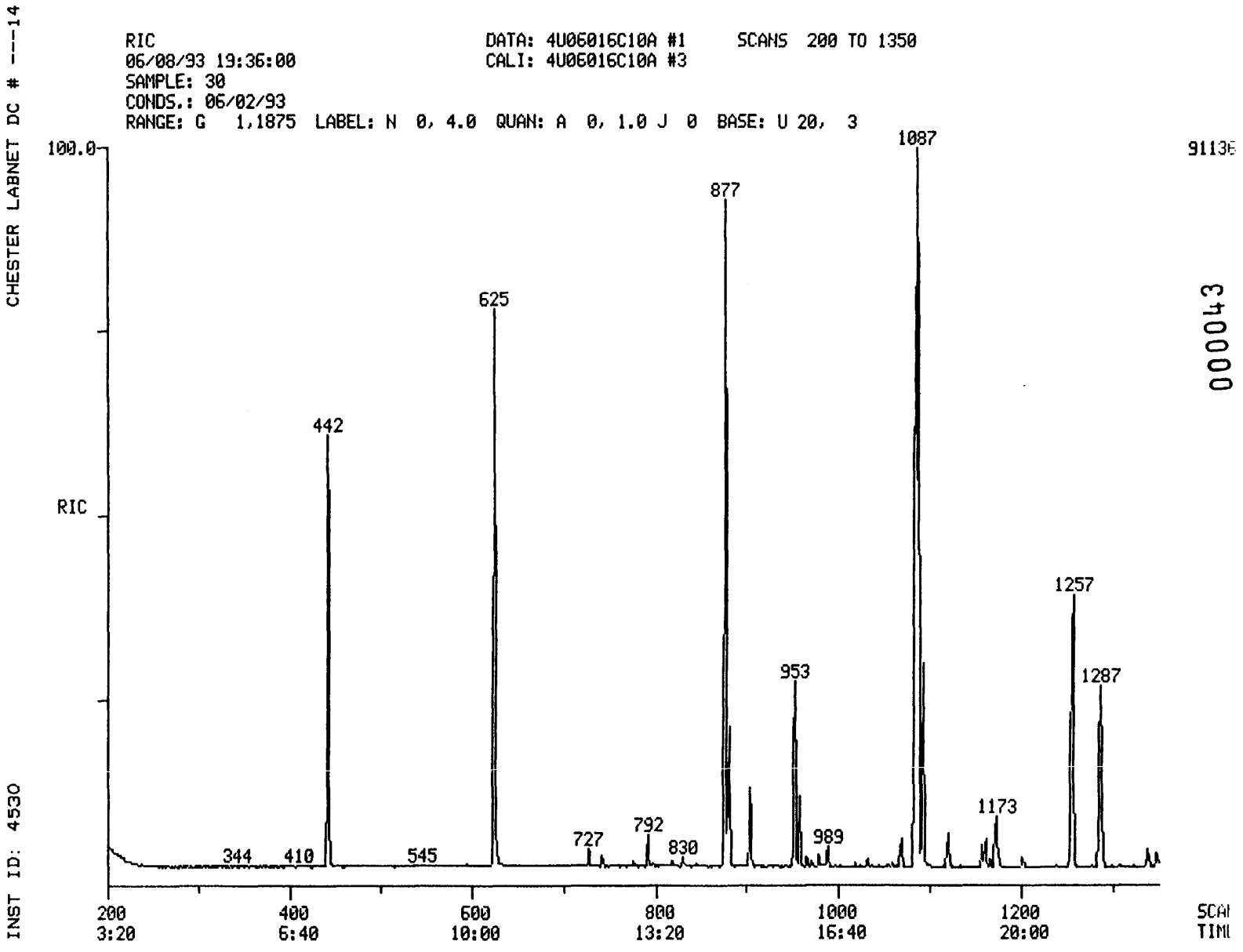
SEMIVOLATILE SOIL REPORT

010524

SAMPLE ID.	30		
FILENAME	4U06016C10A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 19:36:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	180.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
442	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	3600 MG/KG	1.000	220
625	CI40	NAPHTHALENE-D8 ** IS2 **	136	3600 MG/KG	1.000	882
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	3600 MG/KG	1.000	424
1084	CI60	PHENANTHRENE-D10 ** IS4 **	188	3600 MG/KG	1.000	800
1463	CI70	CHRYSENE-D12 ** IS5 **	240	3600 MG/KG	1.000	662
1654	CI75	PERYLENE-D12 ** IS6 **	264	3600 MG/KG	1.000	596
1087	C640	PHENANTHRENE	178	3358 MG/KG	1.003	940

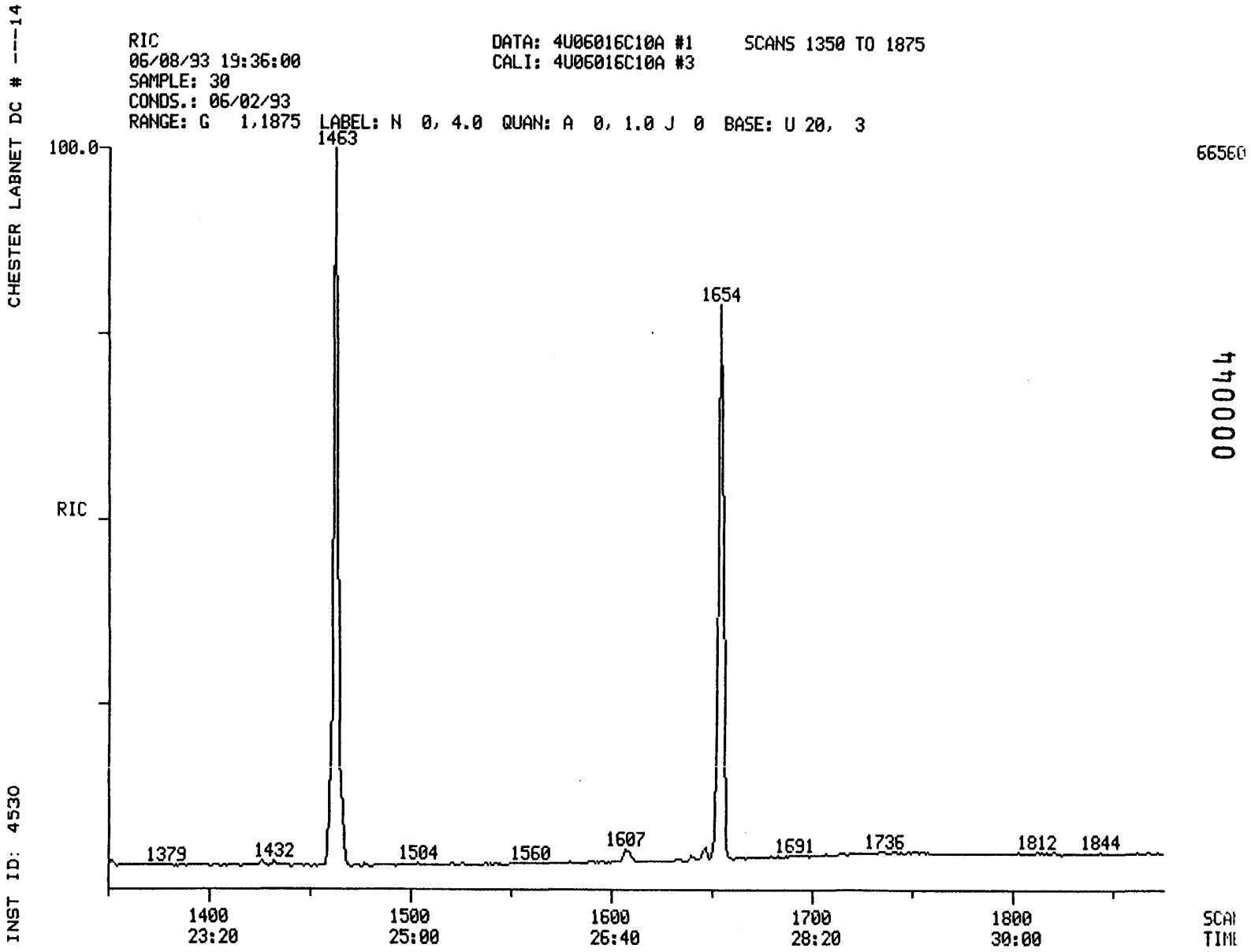
*SURROGATES WERE DILUTED OUT



000043

010525

010525


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/08/93 19:36:00
SAMPLE: 30
CONDS.: 06/02/93
RANGE: G 1,1875 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C10A #1
CALI: 4U06016C10A #3
SCANS 1350 TO 1875
100.0
RIC
1463
1654
1379
1432
1504
1560
1607
1691
1736
1812
1844
1400
23:20
1500
25:00
1600
26:40
1700
28:20
1800
30:00
SCAN
TIME
66560
000044

010526

010527

INST ID: 4530 SAMPLE NUMBER: 31

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601611
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C11
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	340	81 J
C740	CHRYSENE	340	140 J
C765	BENZO(B)FLUORANTHENE	340	65 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	60 J
C780	INDENO(1,2,3-CD)PYRENE	340	8 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	

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

010528

INST ID: 4530 SAMPLE NUMBER: 31

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601611
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

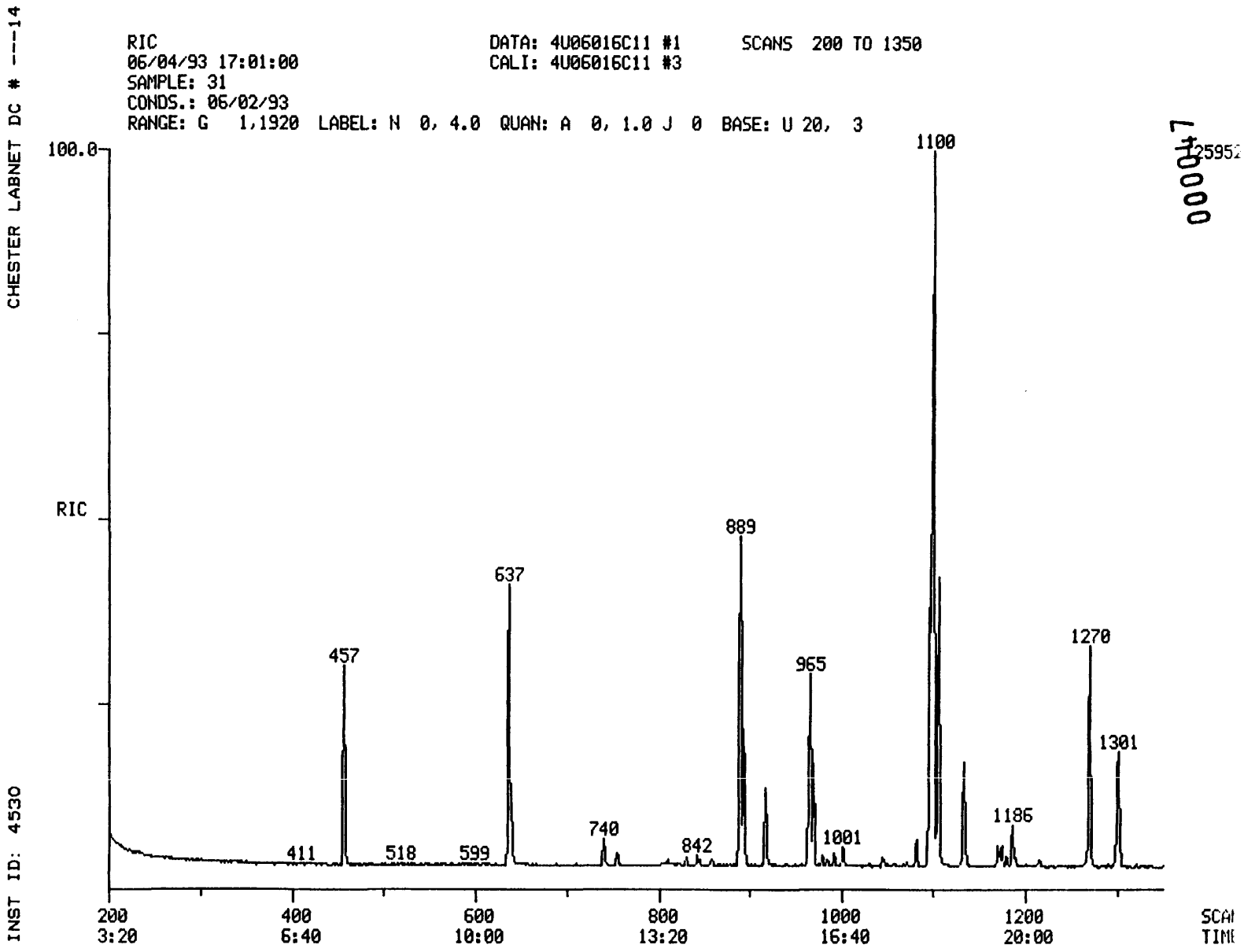
SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C11
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

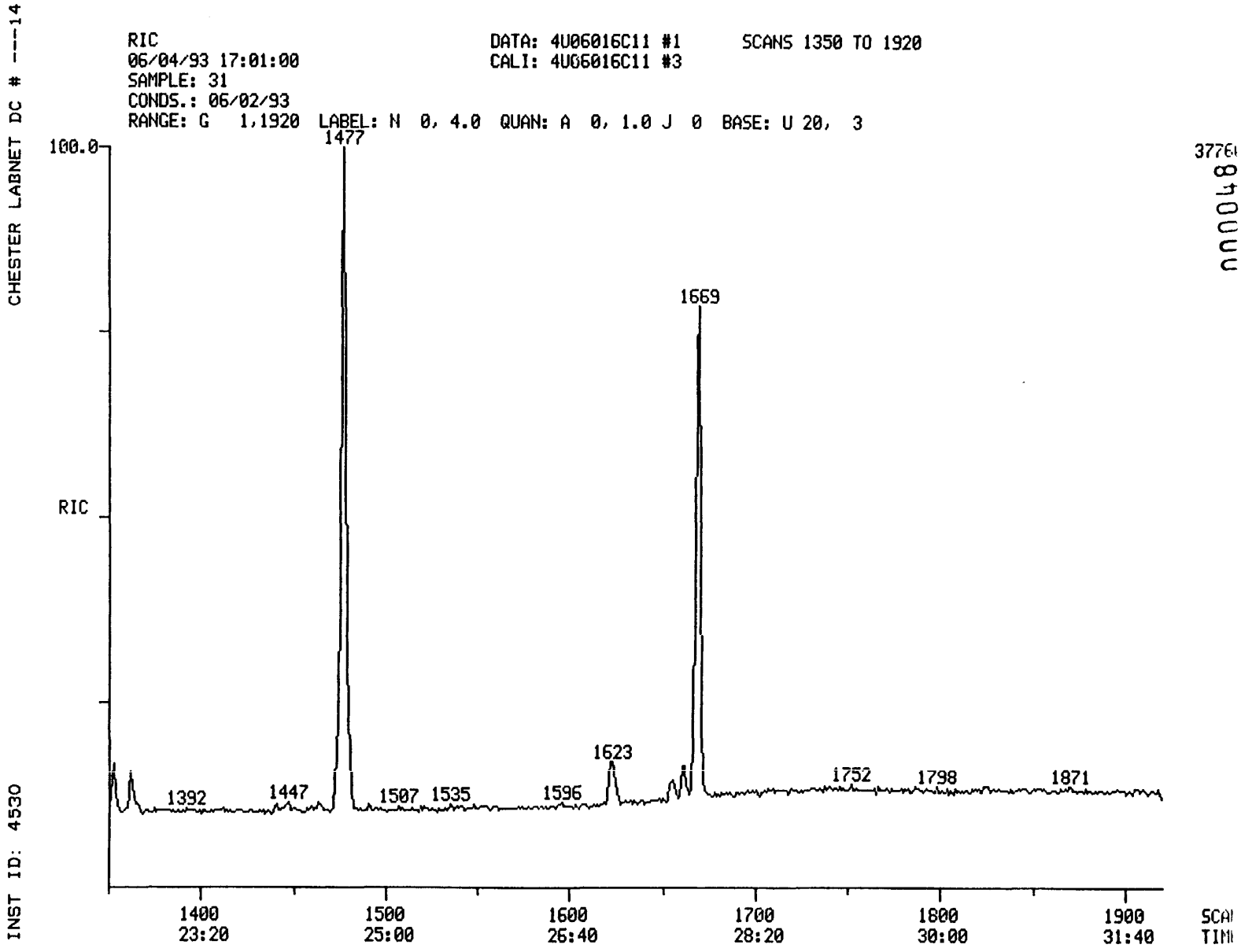
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	340	92 J
C540	ACENAPHTHYLENE	340	3 J
C550	ACENAPHTHENE	340	280 J
C590	FLUORENE	340	470
C640	PHENANTHRENE	340	1400
C645	ANTHRACENE	340	810
C655	FLUORANTHENE	340	580
C715	PYRENE	340	410
C730	BENZO(A)ANTHRACENE	340	81 J
C740	CHRYSENE	340	140 J
C765	BENZO(B)FLUORANTHENE	340	65 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	60 J
C780	INDENO(1,2,3-CD)PYRENE	340	8 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	
C790	BENZO(GHI)PERYLENE	340	9 J

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

000046


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/04/93 17:01:00
SAMPLE: 31
CONDS.: 06/02/93
RANGE: G 1,1920 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C11 #1
CALI: 4U06016C11 #3
SCANS 200 TO 1350
100.0
RIC
411
457
518
599
637
740
842
889
965
1001
1100
1186
1270
1301
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

010529



010530

010530

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010531

SAMPLE ID.	31		
FILENAME	4U06016C11	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 17:01:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	34.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
456	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	680	MG/KG	1.000	165
637	CI40	NAPHTHALENE-D8 ** IS2 **	136	680	MG/KG	1.000	633
889	CI50	ACENAPHTHENE-D10 ** IS3 **	164	680	MG/KG	1.000	319
1097	CI60	PHENANTHRENE-D10 ** IS4 **	188	680	MG/KG	1.000	567
1477	CI70	CHRYSENE-D12 ** IS5 **	240	680	MG/KG	1.000	388
1669	CI75	PERYLENE-D12 ** IS6 **	264	680	MG/KG	1.000	344
639	C450	NAPHTHALENE	128	92	MG/KG	1.003	88
866	C540	ACENAPHTHYLENE	152	3	MG/KG	0.974	2
893	C550	ACENAPHTHENE	153	284	MG/KG	1.004	160
965	C590	FLUORENE	166	471	MG/KG	1.085	279
1100	C640	PHENANTHRENE	178	1393	MG/KG	1.003	1304
1106	C645	ANTHRACENE	178	811	MG/KG	1.008	629
1270	C655	FLUORANTHENE	202	583	MG/KG	1.158	512
1301	C715	PYRENE	202	412	MG/KG	0.881	319
1475	C730	BENZO(A)ANTHRACENE	228	81	MG/KG	0.999	66
1480	C740	CHRYSENE	228	137	MG/KG	1.002	63
1622	C765	BENZO(B)FLUORANTHENE	252	65	MG/KG	0.972	62
1661	C775	BENZO(A)PYRENE	252	60	MG/KG	0.995	33
1825	C780	INDENO(1,2,3-CD)PYRENE	276	8	MG/KG	1.093	4
1869	C790	BENZO(GHI)PERYLENE	276	9	MG/KG	1.120	4

*SURROGATES WERE DILUTED OUT

010532

INST ID: 4530 SAMPLE NUMBER: 32

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601612
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C12
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	1900	450 J
C740	CHRYSENE	1900	700 J
C765	BENZO(B)FLUORANTHENE	1900	220 J
C770	BENZO(K)FLUORANTHENE	1900 U	
C775	BENZO(A)PYRENE	1900	180 J
C780	INDENO(1,2,3-CD)PYRENE	1900 U	
C785	DIBENZO(A,H)ANTHRACENE	1900 U	

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

010533

INST ID: 4530 SAMPLE NUMBER: 32

ORGANICS ANALYSIS DATA SHEET -

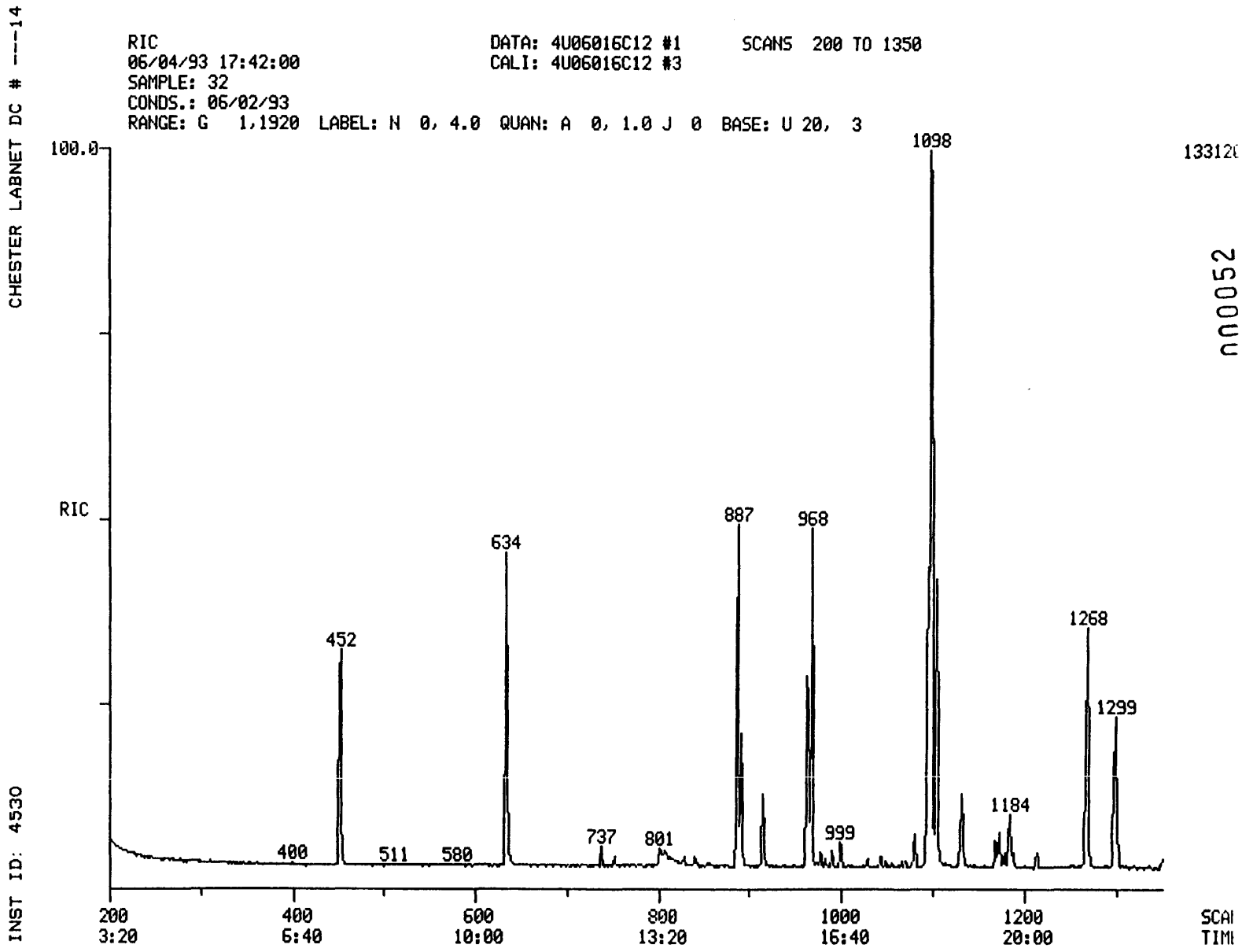
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601612
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C12
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

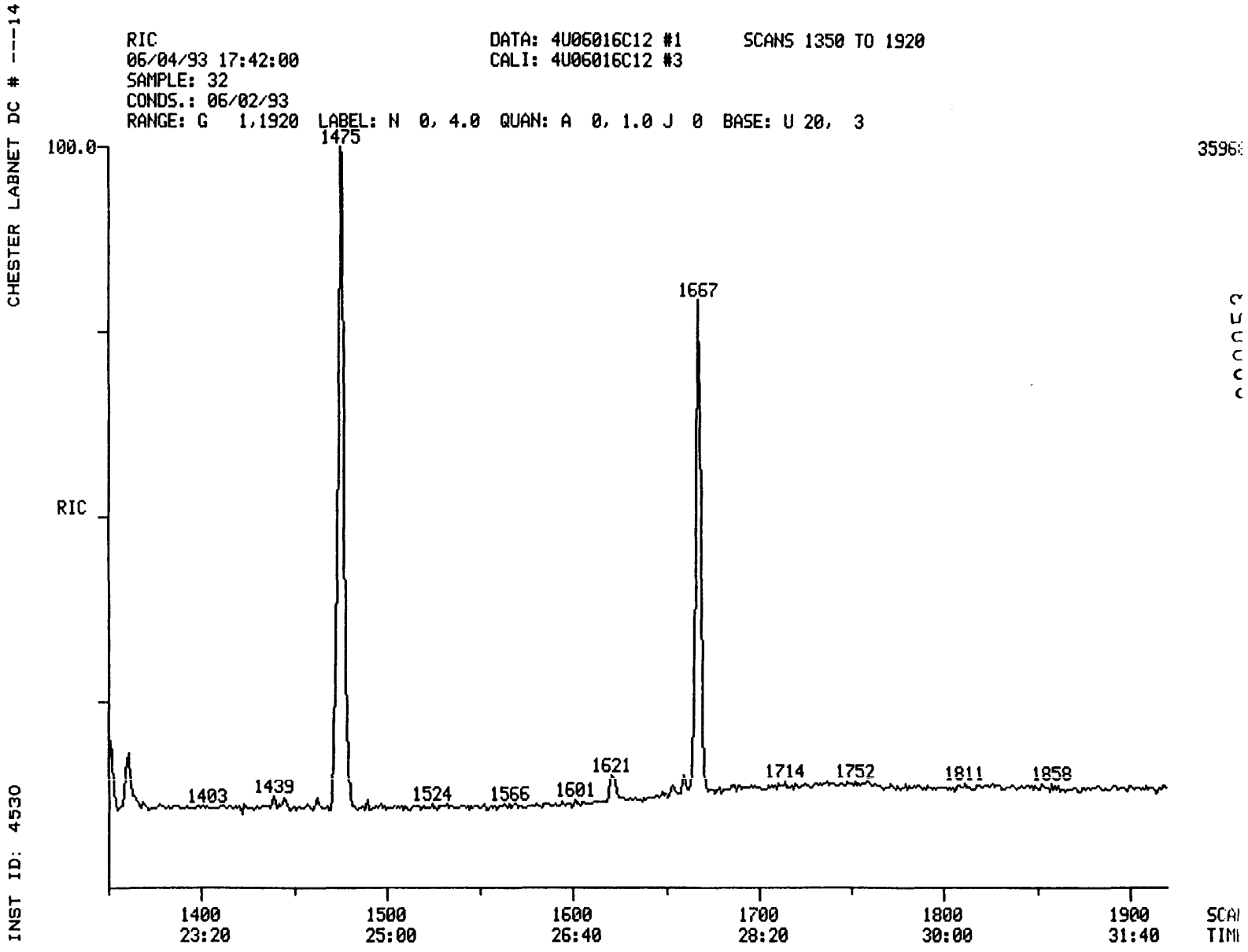
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	1900	590 J
C540	ACENAPHTHYLENE	1900	21 J
C550	ACENAPHTHENE	1900	1500 J
C590	FLUORENE	1900	2500
C640	PHENANTHRENE	1900	9100
C645	ANTHRACENE	1900	4700
C655	FLUORANTHENE	1900	3900
C715	PYRENE	1900	2800
C730	BENZO(A)ANTHRACENE	1900	450 J
C740	CHRYSENE	1900	700 J
C765	BENZO(B)FLUORANTHENE	1900	220 J
C770	BENZO(K)FLUORANTHENE	1900 U	
C775	BENZO(A)PYRENE	1900	180 J
C780	INDENO(1,2,3-CD)PYRENE	1900 U	
C785	DIBENZO(A,H)ANTHRACENE	1900 U	
C790	BENZO(GHI)PERYLENE	1900 U	

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



010534

010534


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/04/93 17:42:00
SAMPLE: 32
CONDS.: 06/02/93
RANGE: G 1,1920 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C12 #1
CALI: 4U06016C12 #3
SCANS 1350 TO 1920
100.0
RIC
1475
1667
1403
1439
1524
1566
1601
1621
1714
1752
1811
1858
1400
23:20
1500
25:00
1600
26:40
1700
28:20
1800
30:00
1900
31:40

010535

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010536

SAMPLE ID. 32

FILENAME 4U06016C12 INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 06/04/93 17:42:00 VERIFIED BY

CALIB STD DATE 06/02/93 CORR. FACTOR 190.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
452	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	3800 MG/KG	1.000	179
634	CI40	NAPHTHALENE-D8 ** IS2 **	136	3800 MG/KG	1.000	700
887	CI50	ACENAPHTHENE-D10 ** IS3 **	164	3800 MG/KG	1.000	342
1095	CI60	PHENANTHRENE-D10 ** IS4 **	188	3800 MG/KG	1.000	601
1475	CI70	CHRYSENE-D12 ** IS5 **	240	3800 MG/KG	1.000	407
1667	CI75	PERYLENE-D12 ** IS6 **	264	3800 MG/KG	1.000	343
636	C450	NAPHTHALENE	128	585 MG/KG	1.003	111
864	C540	ACENAPHTHYLENE	152	21 MG/KG	0.974	3
891	C550	ACENAPHTHENE	153	1487 MG/KG	1.005	160
963	C590	FLUORENE	166	2503 MG/KG	1.086	284
1098	C640	PHENANTHRENE	178	9100 MG/KG	1.003	1616
1104	C645	ANTHRACENE	178	4739 MG/KG	1.008	698
1268	C655	FLUORANTHENE	202	3853 MG/KG	1.158	641
1299	C715	PYRENE	202	2786 MG/KG	0.881	405
1473	C730	BENZO(A)ANTHRACENE	228	447 MG/KG	0.999	68
1479	C740	CHRYSENE	228	702 MG/KG	1.003	61
1621	C765	BENZO(B)FLUORANTHENE	252	218 MG/KG	0.972	37
1660	C775	BENZO(A)PYRENE	252	176 MG/KG	0.996	17

*SURROGATES WERE DILUTED OUT

010537

INST ID: 4530 SAMPLE NUMBER: 33

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601613
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C13A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	680	220 J
C740	CHRYSENE	680	230 J
C765	BENZO(B)FLUORANTHENE	680	140 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	90 J
C780	INDENO(1,2,3-CD)PYRENE	680	18 J
C785	DIBENZO(A,H)ANTHRACENE	680 U	

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

010538

INST ID: 4530 SAMPLE NUMBER: 33

ORGANICS ANALYSIS DATA SHEET -

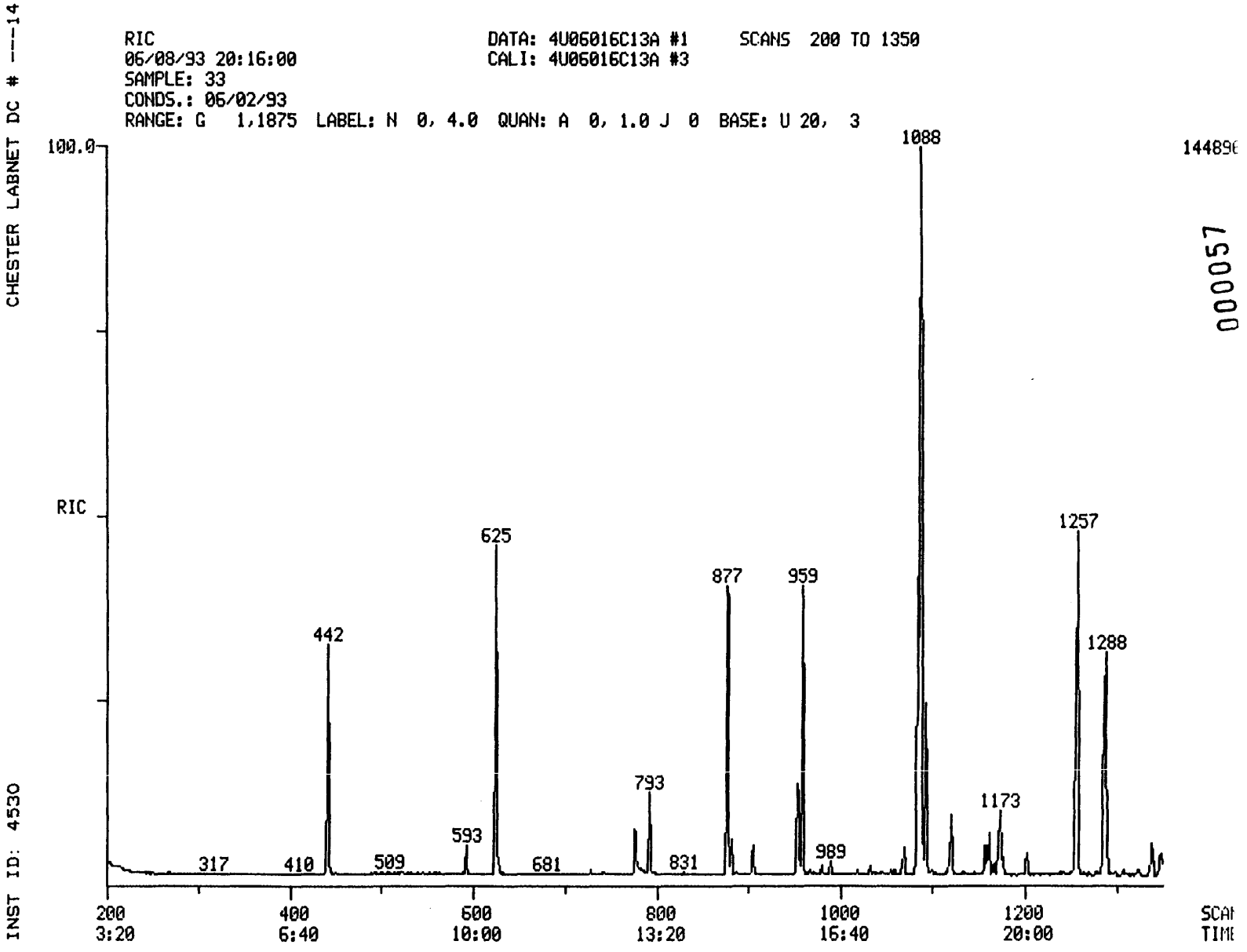
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601613
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

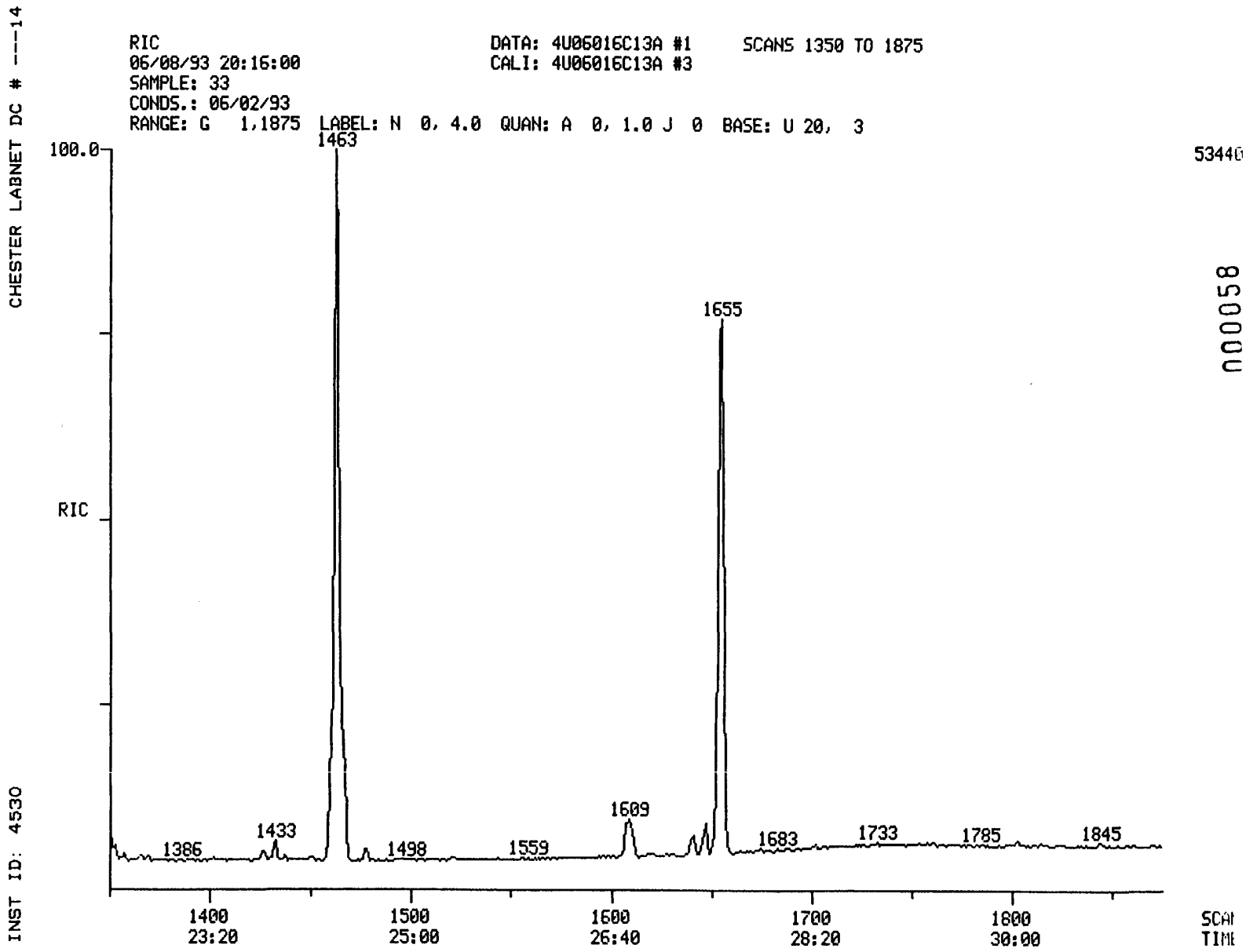
CONCENTRATION: LOW DATAFILE: 4U06016C13A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	680	71 J
C540	ACENAPHTHYLENE	680	3 J
C550	ACENAPHTHENE	680	160 J
C590	FLUORENE	680	440 J
C640	PHENANTHRENE	680	2600
C645	ANTHRACENE	680	840
C655	FLUORANTHENE	680	1700
C715	PYRENE	680	990
C730	BENZO(A)ANTHRACENE	680	220 J
C740	CHRYSENE	680	230 J
C765	BENZO(B)FLUORANTHENE	680	140 J
C770	BENZO(K)FLUORANTHENE	680 U	
C775	BENZO(A)PYRENE	680	90 J
C780	INDENO(1,2,3-CD)PYRENE	680	18 J
C785	DIBENZO(A,H)ANTHRACENE	680 U	
C790	BENZO(GHI)PERYLENE	680	19 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
06/08/93 20:16:00
SAMPLE: 33
CONDS.: 06/02/93
RANGE: G 1,1875 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C13A #1
CALI: 4U06016C13A #3
SCANS 200 TO 1350
100.0
RIC
1088
1257
625
877
959
442
1288
793
1173
593
317
410
509
681
831
989
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME
144896
000057

010539



000058

010540

010540

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010541

SAMPLE ID.	33		
FILENAME	4U06016C13A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 20:16:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	68.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
442	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1360 MG/KG	1.000	164
625	CI40	NAPHTHALENE-D8 ** IS2 **	136	1360 MG/KG	1.000	699
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1360 MG/KG	1.000	330
1085	CI60	PHENANTHRENE-D10 ** IS4 **	188	1360 MG/KG	1.000	615
1463	CI70	CHRYSENE-D12 ** IS5 **	240	1360 MG/KG	1.000	519
1654	CI75	PERYLENE-D12 ** IS6 **	264	1360 MG/KG	1.000	482
627	C450	NAPHTHALENE	128	71 MG/KG	1.003	39
855	C540	ACENAPHTHYLENE	152	3 MG/KG	0.975	1
882	C550	ACENAPHTHENE	153	159 MG/KG	1.006	50
953	C590	FLUORENE	166	444 MG/KG	1.087	142
1088	C640	PHENANTHRENE	178	2624 MG/KG	1.003	1495
1094	C645	ANTHRACENE	178	843 MG/KG	1.008	381
1257	C655	FLUORANTHENE	202	1712 MG/KG	1.159	862
1288	C715	PYRENE	202	987 MG/KG	0.880	563
1461	C730	BENZO(A)ANTHRACENE	228	224 MG/KG	0.999	112
1466	C740	CHRYSENE	228	225 MG/KG	1.002	90
1609	C765	BENZO(B)FLUORANTHENE	252	144 MG/KG	0.973	74
1647	C775	BENZO(A)PYRENE	252	90 MG/KG	0.996	34
1803	C780	INDENO(1,2,3-CD)PYRENE	276	18 MG/KG	1.090	6
1845	C790	BENZO(GHI)PERYLENE	276	19 MG/KG	1.115	5

*SURROGATES WERE DILUTED OUT

010542

INST ID: 4530 SAMPLE NUMBER: 34

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601614
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C14
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	170	84 J
C740	CHRYSENE	170	110 J
C765	BENZO(B)FLUORANTHENE	170	45 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	32 J
C780	INDENO(1,2,3-CD)PYRENE	170	7 J
C785	DIBENZO(A,H)ANTHRACENE	170 U	

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

010543

INST ID: 4530 SAMPLE NUMBER: 34

ORGANICS ANALYSIS DATA SHEET -

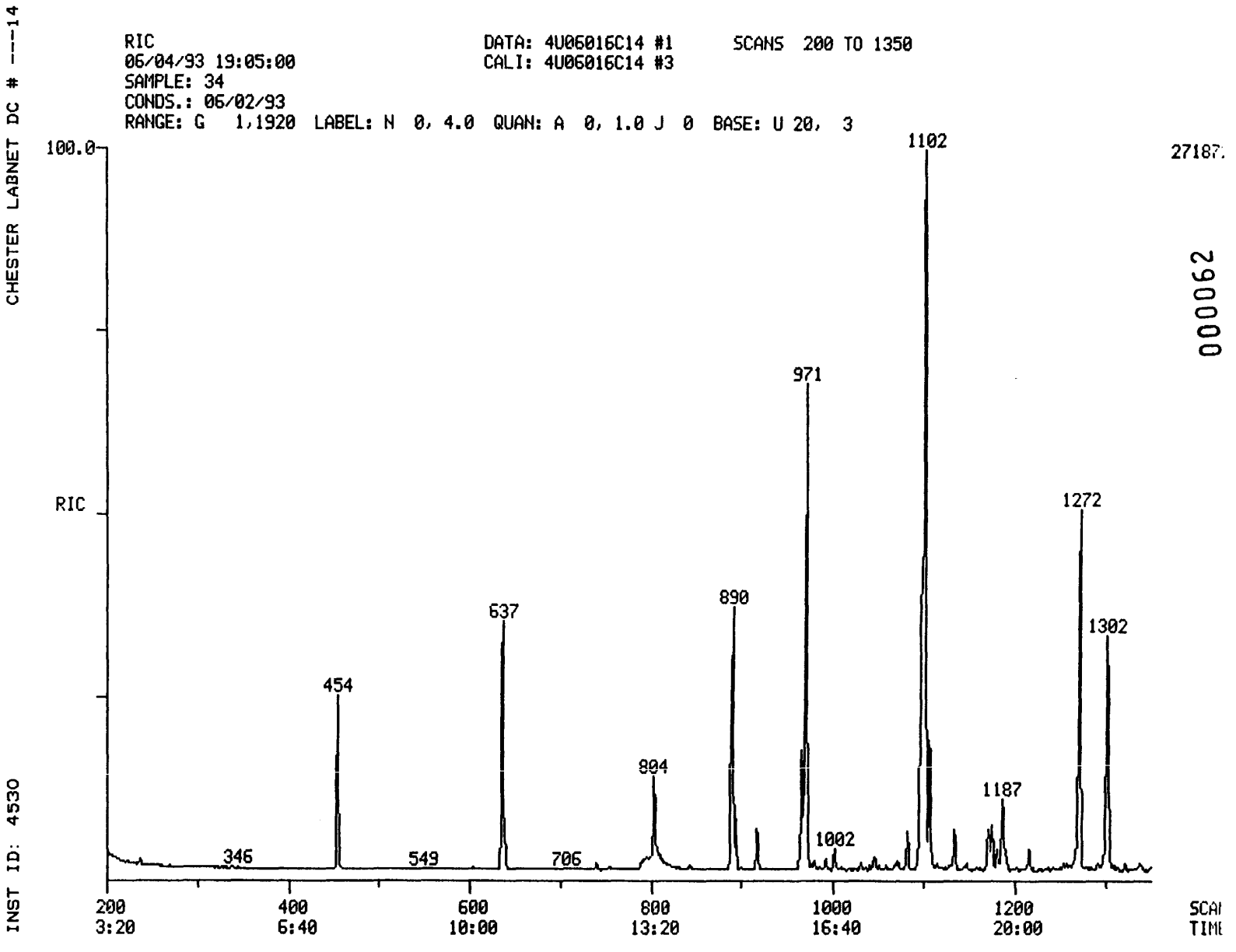
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601614
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C14
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	170	31 J
C540	ACENAPHTHYLENE	170	2 J
C550	ACENAPHTHENE	170	68 J
C590	FLUORENE	170	160 J
C640	PHENANTHRENE	170	1100
C645	ANTHRACENE	170	220
C655	FLUORANTHENE	170	600
C715	PYRENE	170	410
C730	BENZO(A)ANTHRACENE	170	84 J
C740	CHRYSENE	170	110 J
C765	BENZO(B)FLUORANTHENE	170	45 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	32 J
C780	INDENO(1,2,3-CD)PYRENE	170	7 J
C785	DIBENZO(A,H)ANTHRACENE	170 U	
C790	BENZO(GHI)PERYLENE	170	8 J

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

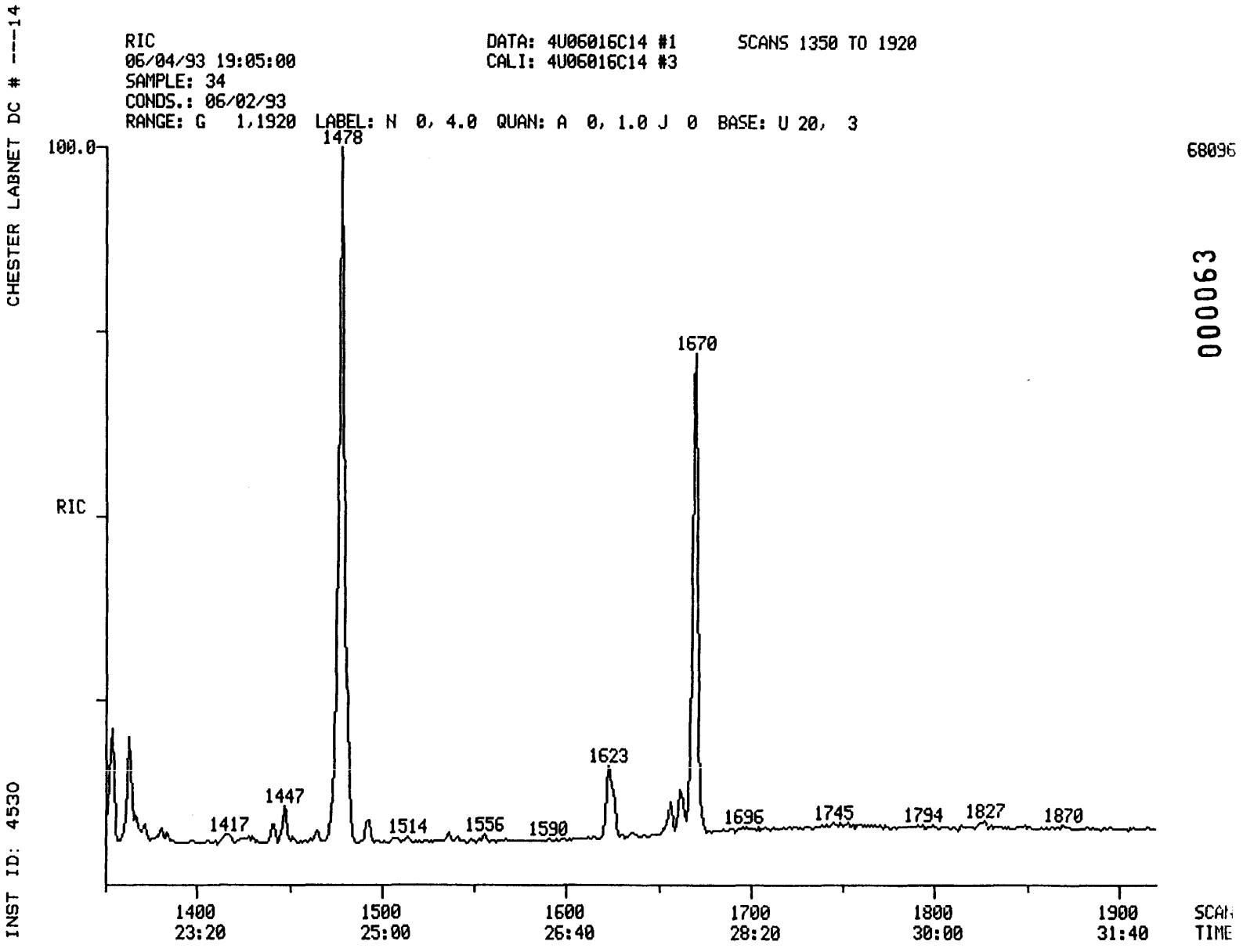


27187.

000062

010544

010544



68096

000063

010545

010545

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010546

SAMPLE ID. 34

FILENAME 4U06016C14 INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 06/04/93 19:05:00 VERIFIED BY

CALIB STD DATE 06/02/93 CORR. FACTOR 17.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	AREA
454	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	340 MG/KG	1.000	265E
637	CI40	NAPHTHALENE-D8 ** IS2 **	136	340 MG/KG	1.000	11823
890	CI50	ACENAPHTHENE-D10 ** IS3 **	164	340 MG/KG	1.000	5542
1098	CI60	PHENANTHRENE-D10 ** IS4 **	188	340 MG/KG	1.000	9566
1478	CI70	CHRYSENE-D12 ** IS5 **	240	340 MG/KG	1.000	6856
1670	CI75	PERYLENE-D12 ** IS6 **	264	340 MG/KG	1.000	6135
639	C450	NAPHTHALENE	128	31 MG/KG	1.003	1109
867	C540	ACENAPHTHYLENE	152	2 MG/KG	0.974	66
894	C550	ACENAPHTHENE	153	68 MG/KG	1.004	132E
966	C590	FLUORENE	166	164 MG/KG	1.085	336E
1102	C640	PHENANTHRENE	178	1105 MG/KG	1.004	34865
1107	C645	ANTHRACENE	178	220 MG/KG	1.008	5755
1272	C655	FLUORANTHENE	202	597 MG/KG	1.158	17661
1302	C715	PYRENE	202	409 MG/KG	0.881	11189
1476	C730	BENZO(A)ANTHRACENE	228	84 MG/KG	0.999	2435
1482	C740	CHRYSENE	228	111 MG/KG	1.003	1826
1623	C765	BENZO(B)FLUORANTHENE	252	45 MG/KG	0.972	1517
1662	C775	BENZO(A)PYRENE	252	32 MG/KG	0.995	640
1827	C780	INDENO(1,2,3-CD)PYRENE	276	7 MG/KG	1.094	157
1869	C790	BENZO(GHI)PERYLENE	276	8 MG/KG	1.119	141

*SURROGATES WERE DILUTED OUT

010547

INST ID: 4530 SAMPLE NUMBER: 35

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601615
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C15
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	83	18 J
C740	CHRYSENE	83	24 J
C765	BENZO(B)FLUORANTHENE	83	9 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	6 J
C780	INDENO(1,2,3-CD)PYRENE	83 U	
C785	DIBENZO(A,H)ANTHRACENE	83 U	

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

010548

INST ID: 4530 SAMPLE NUMBER: 35

ORGANICS ANALYSIS DATA SHEET -

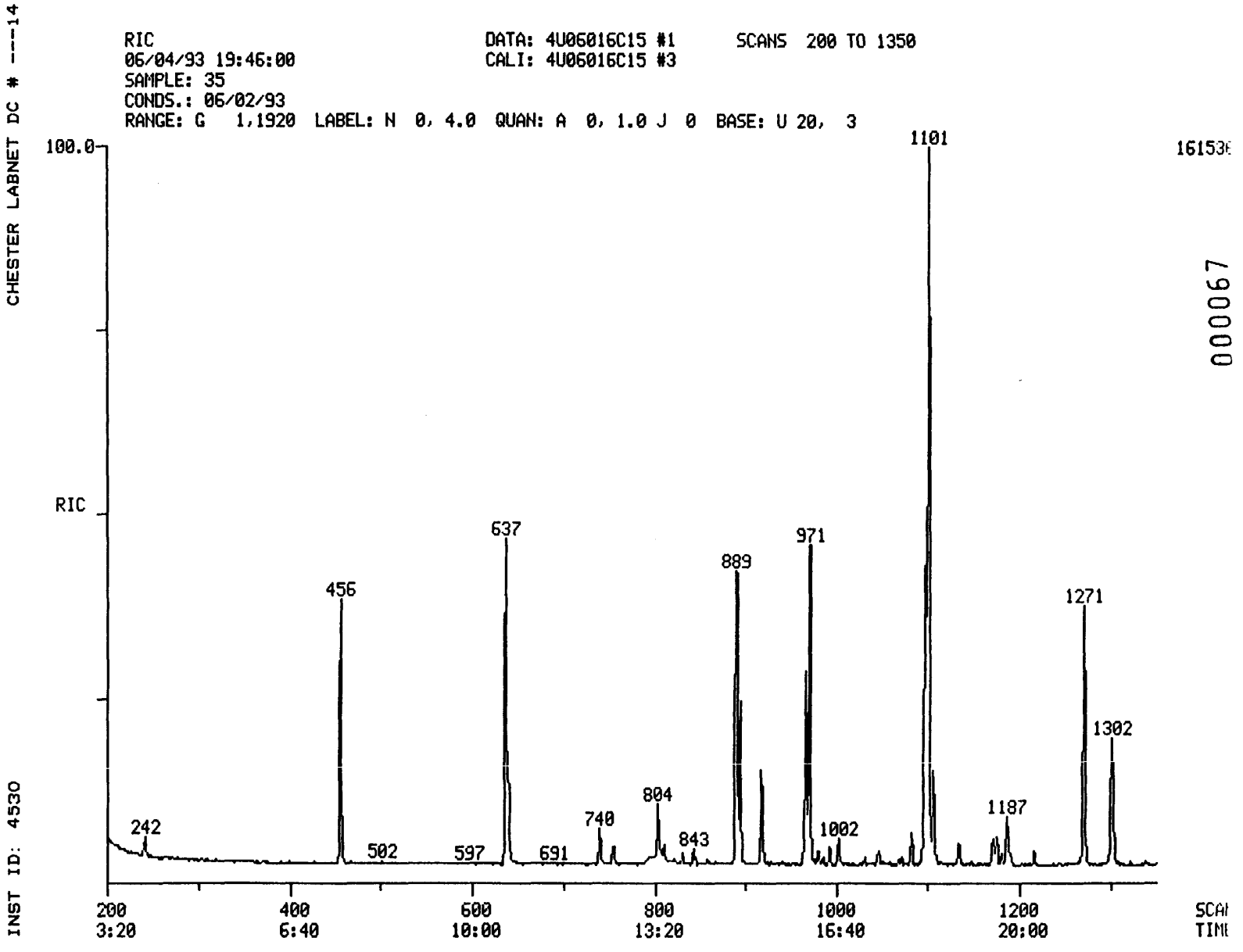
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601615
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C15
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

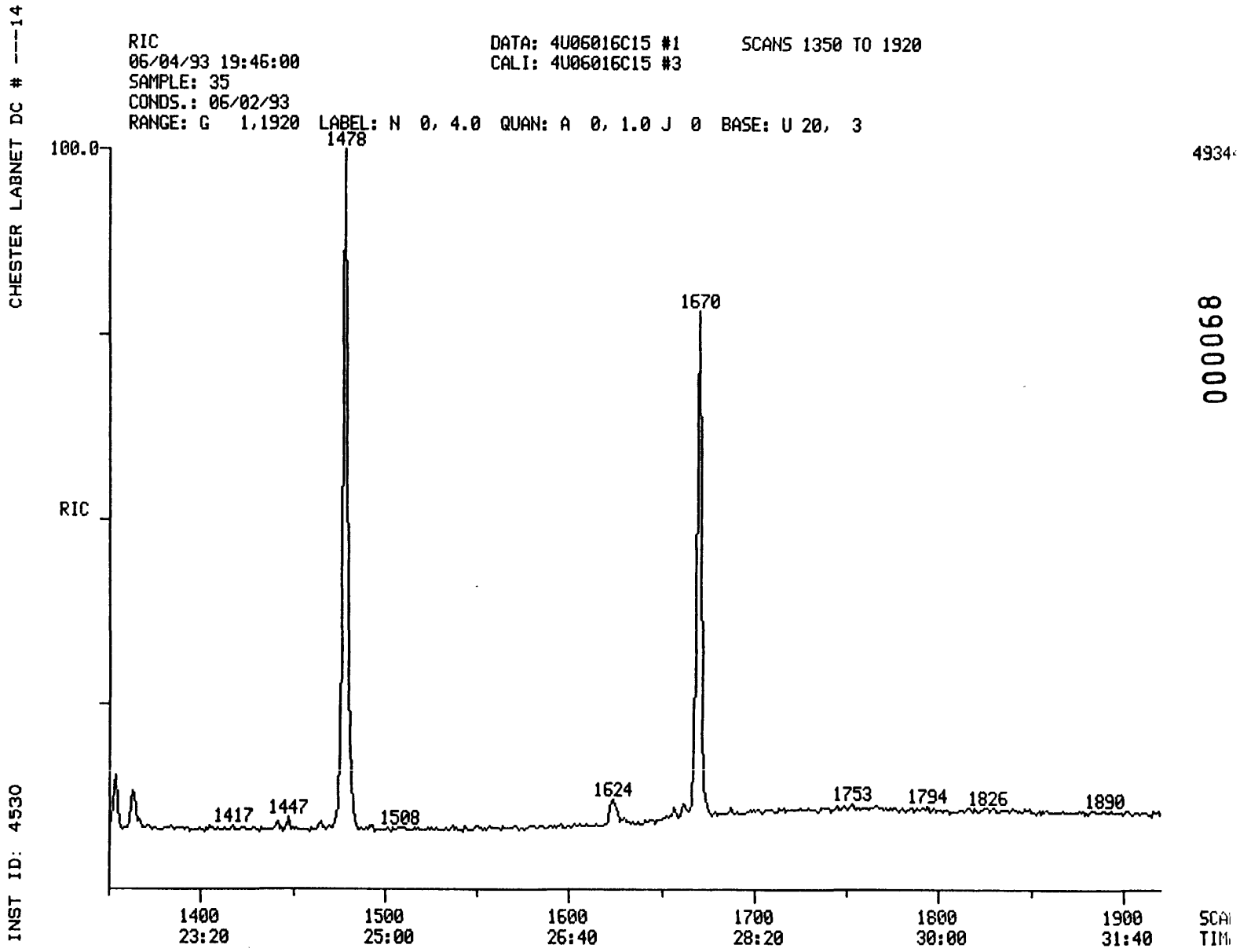
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	83	40 J
C540	ACENAPHTHYLENE	83	1 J
C550	ACENAPHTHENE	83	81 J
C590	FLUORENE	83	100
C640	PHENANTHRENE	83	340
C645	ANTHRACENE	83	70 J
C655	FLUORANTHENE	83	150
C715	PYRENE	83	110
C730	BENZO(A)ANTHRACENE	83	18 J
C740	CHRYSENE	83	24 J
C765	BENZO(B)FLUORANTHENE	83	9 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	6 J
C780	INDENO(1,2,3-CD)PYRENE	83 U	
C785	DIBENZO(A,H)ANTHRACENE	83 U	
C790	BENZO(GHI)PERYLENE	83 U	

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



000067

010549



000068

010550

010550

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010551

SAMPLE ID.	35		
FILENAME	4U06016C15	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/04/93 19:46:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	8.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
456	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	166	MG/KG	1.000	226
637	CI40	NAPHTHALENE-D8 ** IS2 **	136	166	MG/KG	1.000	873
889	CI50	ACENAPHTHENE-D10 ** IS3 **	164	166	MG/KG	1.000	422
1098	CI60	PHENANTHRENE-D10 ** IS4 **	188	166	MG/KG	1.000	760
1478	CI70	CHRYSENE-D12 ** IS5 **	240	166	MG/KG	1.000	511
1670	CI75	PERYLENE-D12 ** IS6 **	264	166	MG/KG	1.000	453
640	C450	NAPHTHALENE	128	40	MG/KG	1.005	215
867	C540	ACENAPHTHYLENE	152	1	MG/KG	0.975	5
894	C550	ACENAPHTHENE	153	81	MG/KG	1.006	247
966	C590	FLUORENE	166	102	MG/KG	1.087	327
1101	C640	PHENANTHRENE	178	341	MG/KG	1.003	1752
1107	C645	ANTHRACENE	178	70	MG/KG	1.008	296
1271	C655	FLUORANTHENE	202	154	MG/KG	1.158	740
1302	C715	PYRENE	202	114	MG/KG	0.881	479
1476	C730	BENZO(A)ANTHRACENE	228	18	MG/KG	0.999	81
1481	C740	CHRYSENE	228	24	MG/KG	1.002	59
1624	C765	BENZO(B)FLUORANTHENE	252	9	MG/KG	0.972	44
1662	C775	BENZO(A)PYRENE	252	6	MG/KG	0.995	19

*SURROGATES WERE DILUTED OUT

010552

INST ID: 4530 SAMPLE NUMBER: 36

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601616
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C16
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	7700	760 J
C740	CHRYSENE	7700	870 J
C765	BENZO(B)FLUORANTHENE	7700	390 J
C770	BENZO(K)FLUORANTHENE	7700 U	
C775	BENZO(A)PYRENE	7700	150 J
C780	INDENO(1,2,3-CD)PYRENE	7700 U	
C785	DIBENZO(A,H)ANTHRACENE	7700 U	

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

010553

INST ID: 4530 SAMPLE NUMBER: 36

ORGANICS ANALYSIS DATA SHEET -

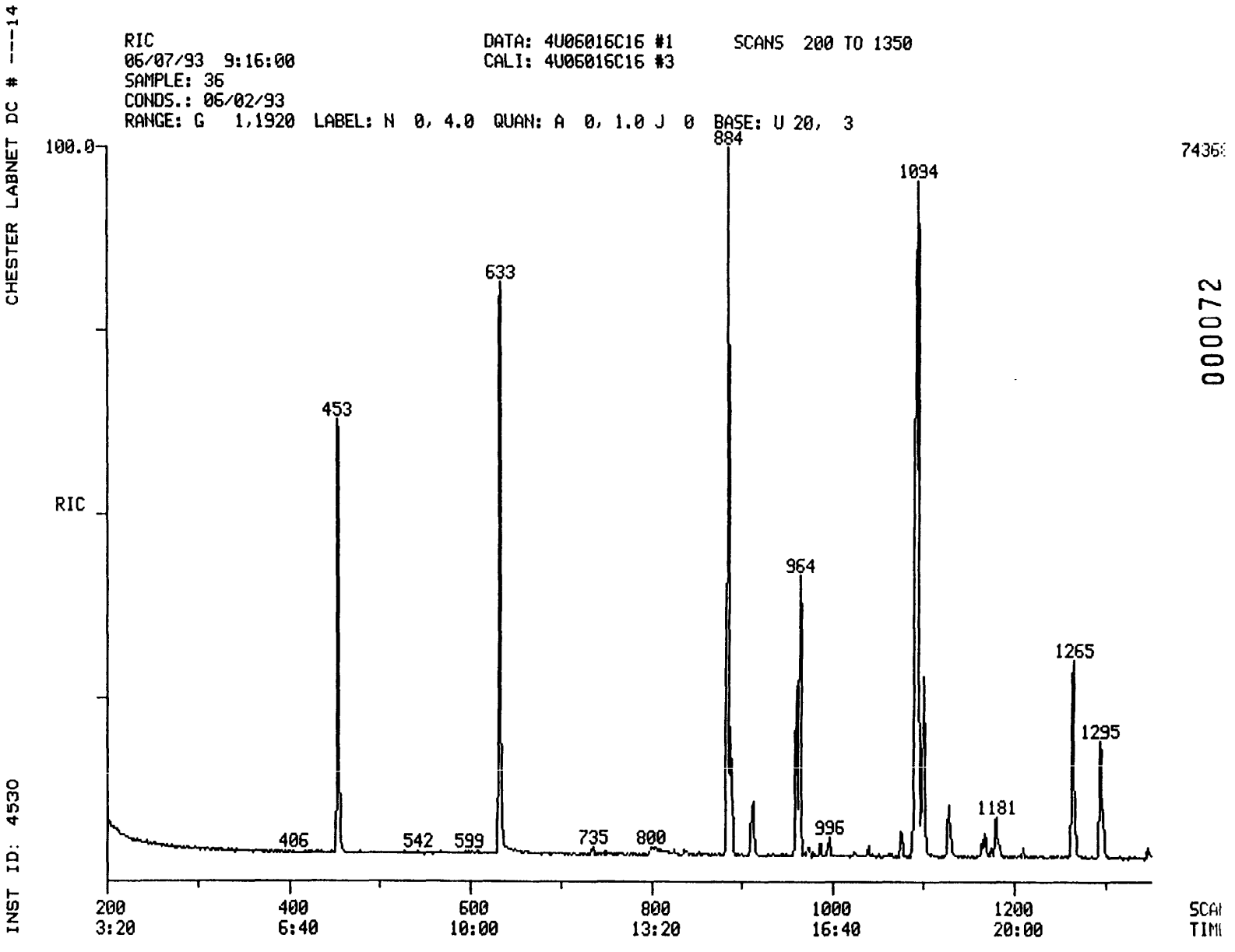
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601616
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C16
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	7700	730 J
C540	ACENAPHTHYLENE	7700	19 J
C550	ACENAPHTHENE	7700	2300 J
C590	FLUORENE	7700	4200 J
C640	PHENANTHRENE	7700	14000
C645	ANTHRACENE	7700	5400 J
C655	FLUORANTHENE	7700	5800 J
C715	PYRENE	7700	4200 J
C730	BENZO(A)ANTHRACENE	7700	760 J
C740	CHRYSENE	7700	870 J
C765	BENZO(B)FLUORANTHENE	7700	390 J
C770	BENZO(K)FLUORANTHENE	7700 U	
C775	BENZO(A)PYRENE	7700	150 J
C780	INDENO(1,2,3-CD)PYRENE	7700 U	
C785	DIBENZO(A,H)ANTHRACENE	7700 U	
C790	BENZO(GHI)PERYLENE	7700 U	

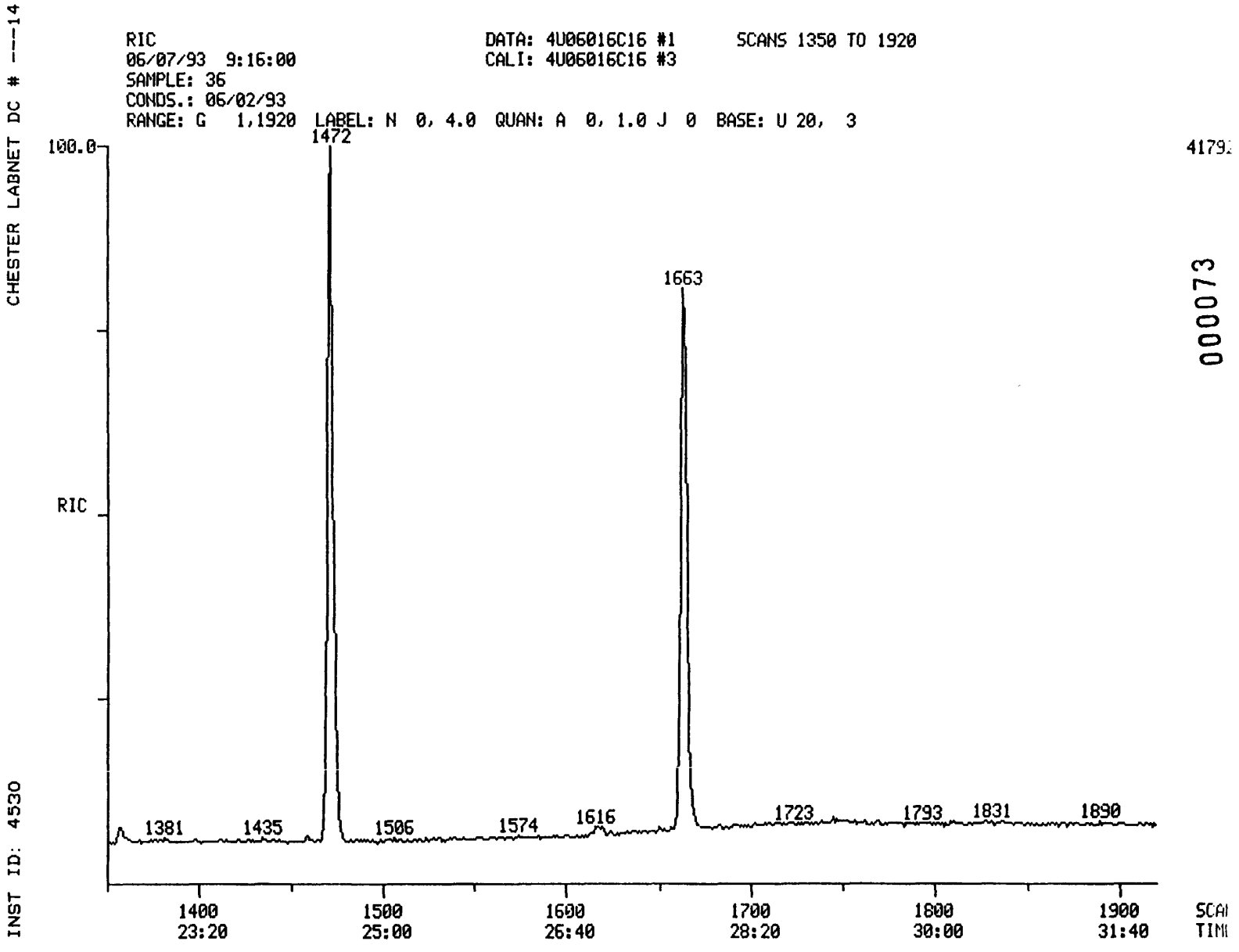
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000072

010554

010554



000073

010555

010555

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010556

SAMPLE ID.	36		
FILENAME	4U06016C16	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/07/93 9:16:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	770.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
453	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	15400 MG/KG	1.000	211
632	CI40	NAPHTHALENE-D8 ** IS2 **	136	15400 MG/KG	1.000	822
884	CI50	ACENAPHTHENE-D10 ** IS3 **	164	15400 MG/KG	1.000	411
1091	CI60	PHENANTHRENE-D10 ** IS4 **	188	15400 MG/KG	1.000	723
1471	CI70	CHRYSENE-D12 ** IS5 **	240	15400 MG/KG	1.000	483
1663	CI75	PERYLENE-D12 ** IS6 **	264	15400 MG/KG	1.000	441
635	C450	NAPHTHALENE	128	726 MG/KG	1.005	41
861	C540	ACENAPHTHYLENE	152	19 MG/KG	0.974	1
888	C550	ACENAPHTHENE	153	2306 MG/KG	1.005	80
960	C590	FLUORENE	166	4210 MG/KG	1.086	148
1094	C640	PHENANTHRENE	178	14334 MG/KG	1.003	778
1101	C645	ANTHRACENE	178	5389 MG/KG	1.009	277
1265	C655	FLUORANTHENE	202	5849 MG/KG	1.159	306
1295	C715	PYRENE	202	4152 MG/KG	0.880	198
1469	C730	BENZO(A)ANTHRACENE	228	765 MG/KG	0.999	31
1475	C740	CHRYSENE	228	870 MG/KG	1.003	29
1617	C765	BENZO(B)FLUORANTHENE	252	389 MG/KG	0.972	16
1656	C775	BENZO(A)PYRENE	252	153 MG/KG	0.996	4

*SURROGATES WERE DILUTED OUT

010557

INST ID: 4530 SAMPLE NUMBER: 37

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601617
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C17
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	340	110 J
C740	CHRYSENE	340	120 J
C765	BENZO(B)FLUORANTHENE	340	67 J
C770	BENZO(K)FLUORANTHENE	340	74 J
C775	BENZO(A)PYRENE	340	35 J
C780	INDENO(1,2,3-CD)PYRENE	340 U	
C785	DIBENZO(A,H)ANTHRACENE	340 U	

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

010558

INST ID: 4530 SAMPLE NUMBER: 37

ORGANICS ANALYSIS DATA SHEET -

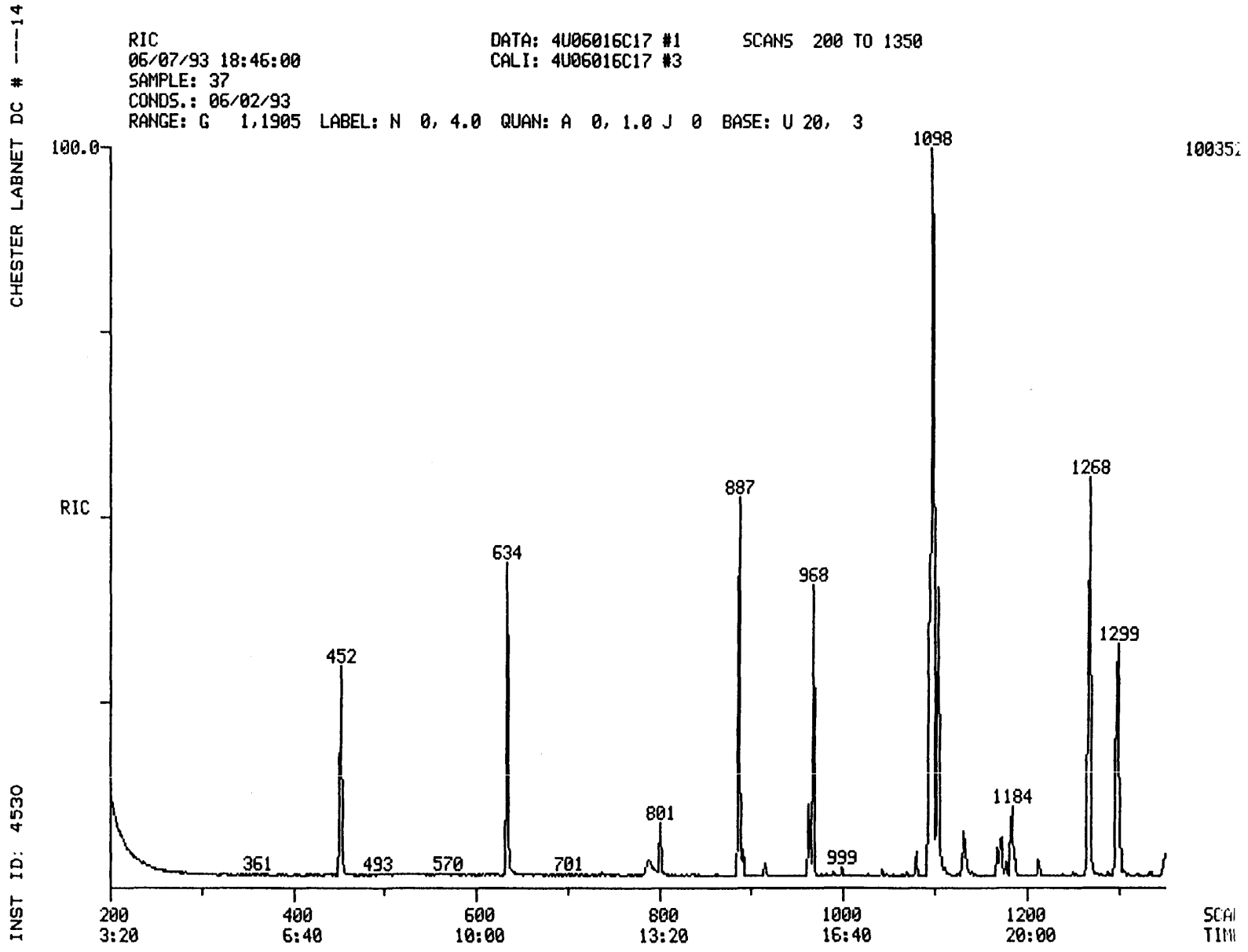
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601617
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

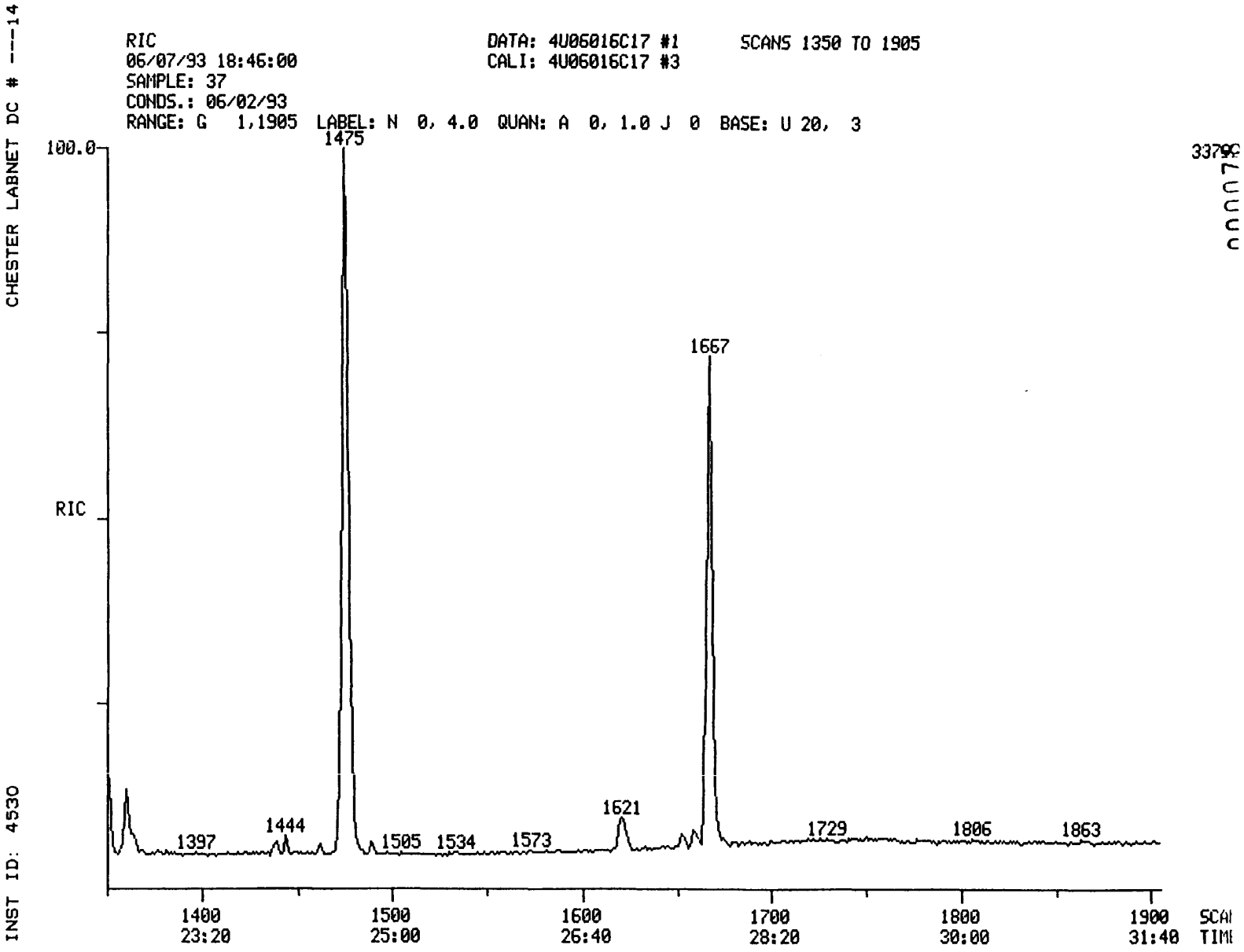
CONCENTRATION: LOW DATAFILE: 4U06016C17
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	340	32 J
C540	ACENAPHTHYLENE	340 U	
C550	ACENAPHTHENE	340	46 J
C590	FLUORENE	340	160 J
C640	PHENANTHRENE	340	1300
C645	ANTHRACENE	340	660
C655	FLUORANTHENE	340	860
C715	PYRENE	340	530
C730	BENZO(A)ANTHRACENE	340	110 J
C740	CHRYSENE	340	120 J
C765	BENZO(B)FLUORANTHENE	340	67 J
C770	BENZO(K)FLUORANTHENE	340	74 J
C775	BENZO(A)PYRENE	340	35 J
C780	INDENO(1,2,3-CD)PYRENE	340 U	
C785	DIBENZO(A,H)ANTHRACENE	340 U	
C790	BENZO(GHI)PERYLENE	340 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
06/07/93 18:46:00
SAMPLE: 37
CONDS.: 06/02/93
RANGE: G 1,1905 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C17 #1
CALI: 4U06016C17 #3
SCANS 200 TO 1350
100.0
RIC
1098
1268
887
634
968
1299
452
1184
801
361
493
570
701
999
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00

010559



010560

010560

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010561

SAMPLE ID.	37		
FILENAME	4U06016C17	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/07/93 18:46:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	34.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
452	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	680 MG/KG	1.000	129
634	CI40	NAPHTHALENE-D8 ** IS2 **	136	680 MG/KG	1.000	526
887	CI50	ACENAPHTHENE-D10 ** IS3 **	164	680 MG/KG	1.000	277
1095	CI60	PHENANTHRENE-D10 ** IS4 **	188	680 MG/KG	1.000	513
1475	CI70	CHRYSENE-D12 ** IS5 **	240	680 MG/KG	1.000	392
1667	CI75	PERYLENE-D12 ** IS6 **	264	680 MG/KG	1.000	357
637	C450	NAPHTHALENE	128	32 MG/KG	1.005	26
891	C550	ACENAPHTHENE	153	46 MG/KG	1.005	24
914	C565	DIBENZOFURAN	168	49 MG/KG	1.030	38
963	C590	FLUORENE	166	157 MG/KG	1.086	84
1098	C640	PHENANTHRENE	178	1309 MG/KG	1.003	1144
1104	C645	ANTHRACENE	178	658 MG/KG	1.008	545
1268	C655	FLUORANTHENE	202	860 MG/KG	1.158	723
1299	C715	PYRENE	202	531 MG/KG	0.881	466
1473	C730	BENZO(A)ANTHRACENE	228	114 MG/KG	0.999	85
1478	C740	CHRYSENE	228	121 MG/KG	1.002	76
1621	C765	BENZO(B)FLUORANTHENE	252	67 MG/KG	0.972	52
1621	C770	BENZO(K)FLUORANTHENE	252	74 MG/KG	0.972	52
1659	C775	BENZO(A)PYRENE	252	35 MG/KG	0.995	20
1132	C647	CARBAZOLE	167	391 MG/KG	1.034	177

*SURROGATES WERE DILUTE OUT

010562

INST ID: 4530 SAMPLE NUMBER: 38

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601618
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C18A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	170	22 J
C740	CHRYSENE	170	25 J
C765	BENZO(B)FLUORANTHENE	170	14 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	7 J
C780	INDENO(1,2,3-CD)PYRENE	170 U	
C785	DIBENZO(A,H)ANTHRACENE	170 U	

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

010563

INST ID: 4530 SAMPLE NUMBER: 38

ORGANICS ANALYSIS DATA SHEET -

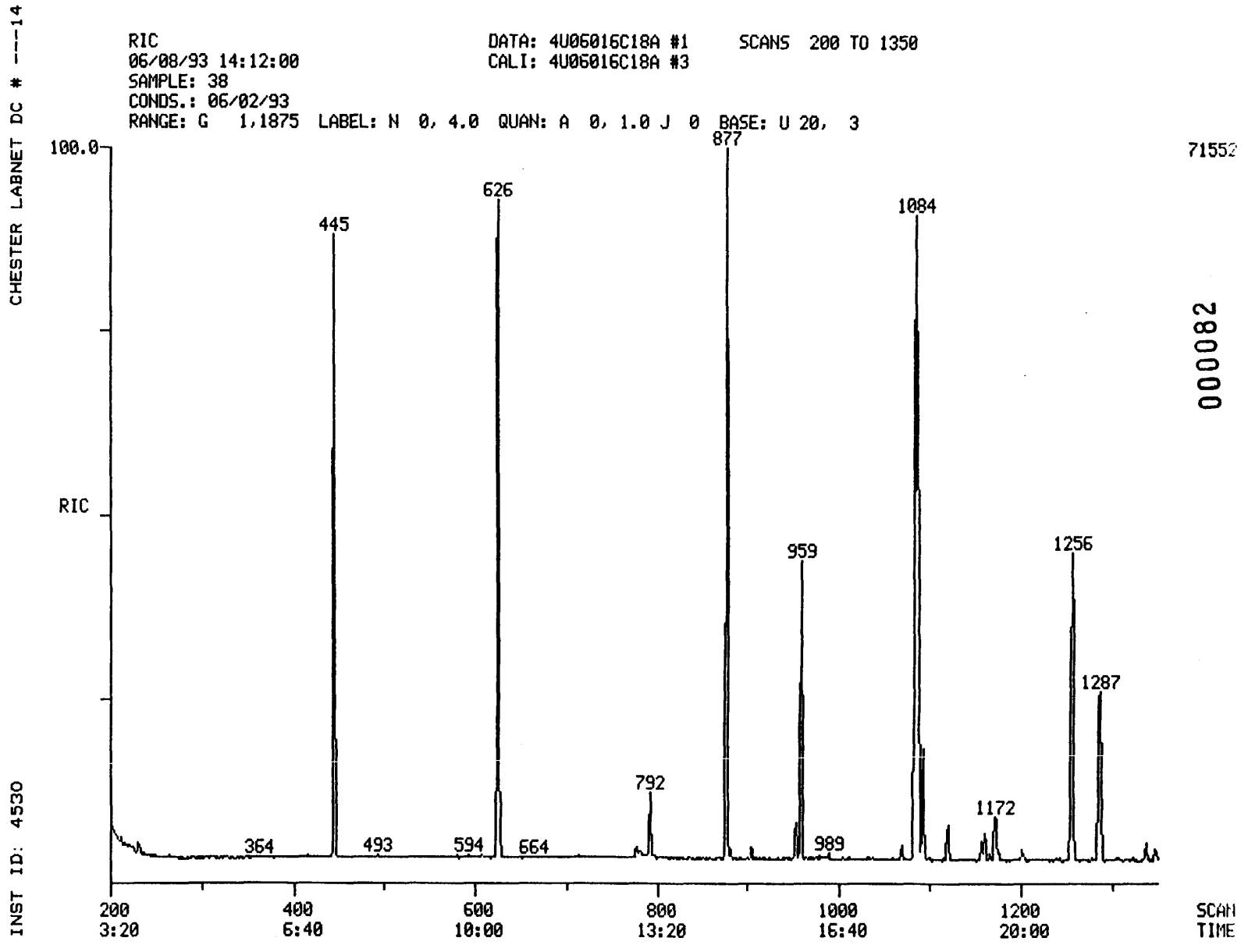
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601618
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C18A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	170	5 J
C540	ACENAPHTHYLENE	170 U	
C550	ACENAPHTHENE	170	5 J
C590	FLUORENE	170	23 J
C640	PHENANTHRENE	170	230
C645	ANTHRACENE	170	71 J
C655	FLUORANTHENE	170	170
C715	PYRENE	170	100 J
C730	BENZO(A)ANTHRACENE	170	22 J
C740	CHRYSENE	170	25 J
C765	BENZO(B)FLUORANTHENE	170	14 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	7 J
C780	INDENO(1,2,3-CD)PYRENE	170 U	
C785	DIBENZO(A,H)ANTHRACENE	170 U	
C790	BENZO(GHI)PERYLENE	170 U	

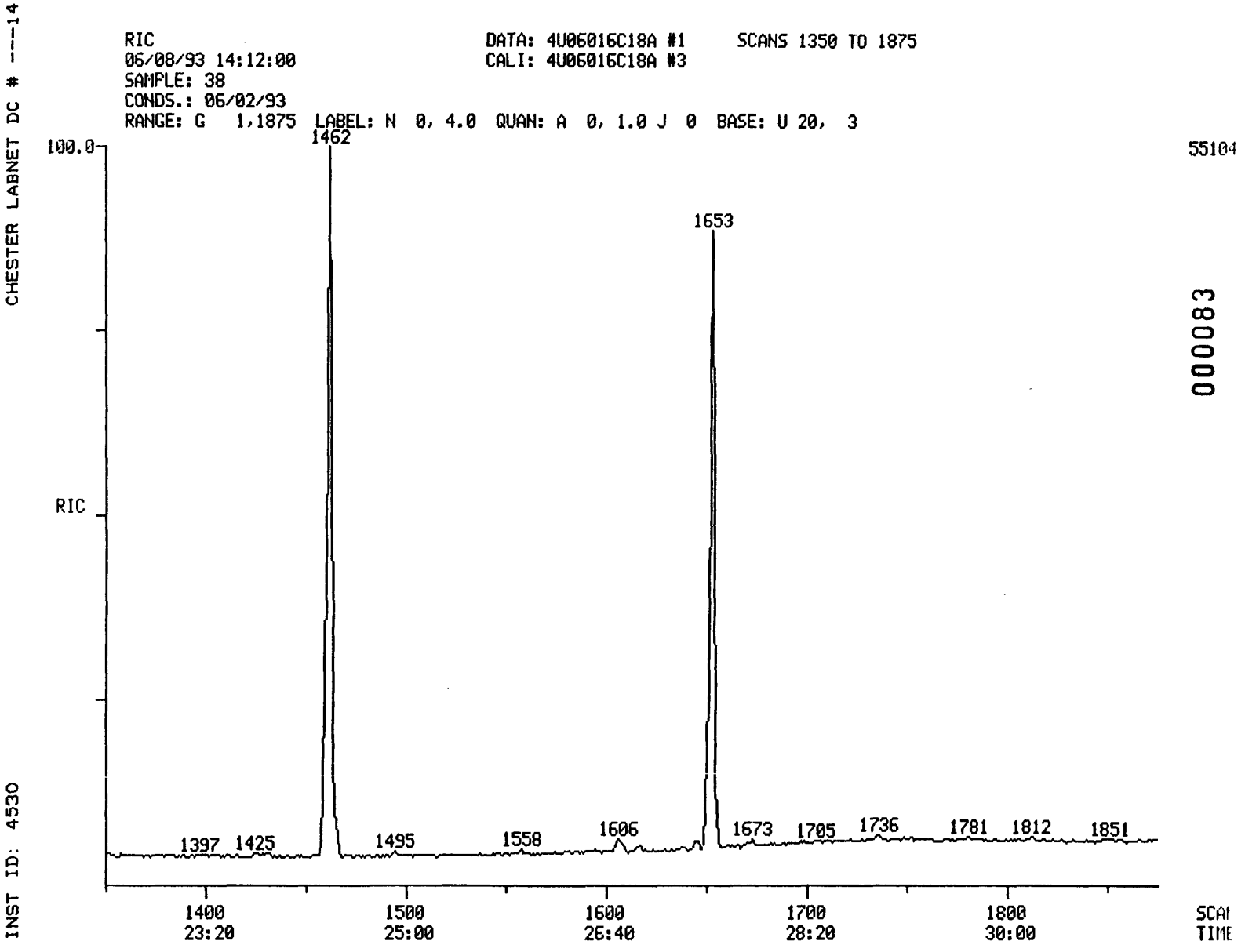
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000082

010564

010564



000083

010565

010565

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010566

SAMPLE ID.	38		
FILENAME	4U06016C18A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 14:12:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	17.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
445	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	340 MG/KG	1.000	198
626	CI40	NAPHTHALENE-D8 ** IS2 **	136	340 MG/KG	1.000	789
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	340 MG/KG	1.000	361
1084	CI60	PHENANTHRENE-D10 ** IS4 **	188	340 MG/KG	1.000	657
1462	CI70	CHRYSENE-D12 ** IS5 **	240	340 MG/KG	1.000	534
1653	CI75	PERYLENE-D12 ** IS6 **	264	340 MG/KG	1.000	496
628	C450	NAPHTHALENE	128	5 MG/KG	1.003	12
881	C550	ACENAPHTHENE	153	5 MG/KG	1.005	7
953	C590	FLUORENE	166	23 MG/KG	1.087	32
1087	C640	PHENANTHRENE	178	225 MG/KG	1.003	548
1093	C645	ANTHRACENE	178	71 MG/KG	1.008	137
1256	C655	FLUORANTHENE	202	171 MG/KG	1.159	367
1286	C715	PYRENE	202	100 MG/KG	0.880	234
1460	C730	BENZO(A)ANTHRACENE	228	22 MG/KG	0.999	46
1465	C740	CHRYSENE	228	25 MG/KG	1.002	40
1606	C765	BENZO(B)FLUORANTHENE	252	14 MG/KG	0.972	29
1645	C775	BENZO(A)PYRENE	252	7 MG/KG	0.995	11

*SURROGATES WERE DILUTED OUT

010567

INST ID: 4530 SAMPLE NUMBER: 39

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601619
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C19A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	83	34 J
C740	CHRYSENE	83	33 J
C765	BENZO(B)FLUORANTHENE	83	22 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	12 J
C780	INDENO(1,2,3-CD)PYRENE	83 U	
C785	DIBENZO(A,H)ANTHRACENE	83 U	

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

010568

INST ID: 4530 SAMPLE NUMBER: 39

ORGANICS ANALYSIS DATA SHEET -

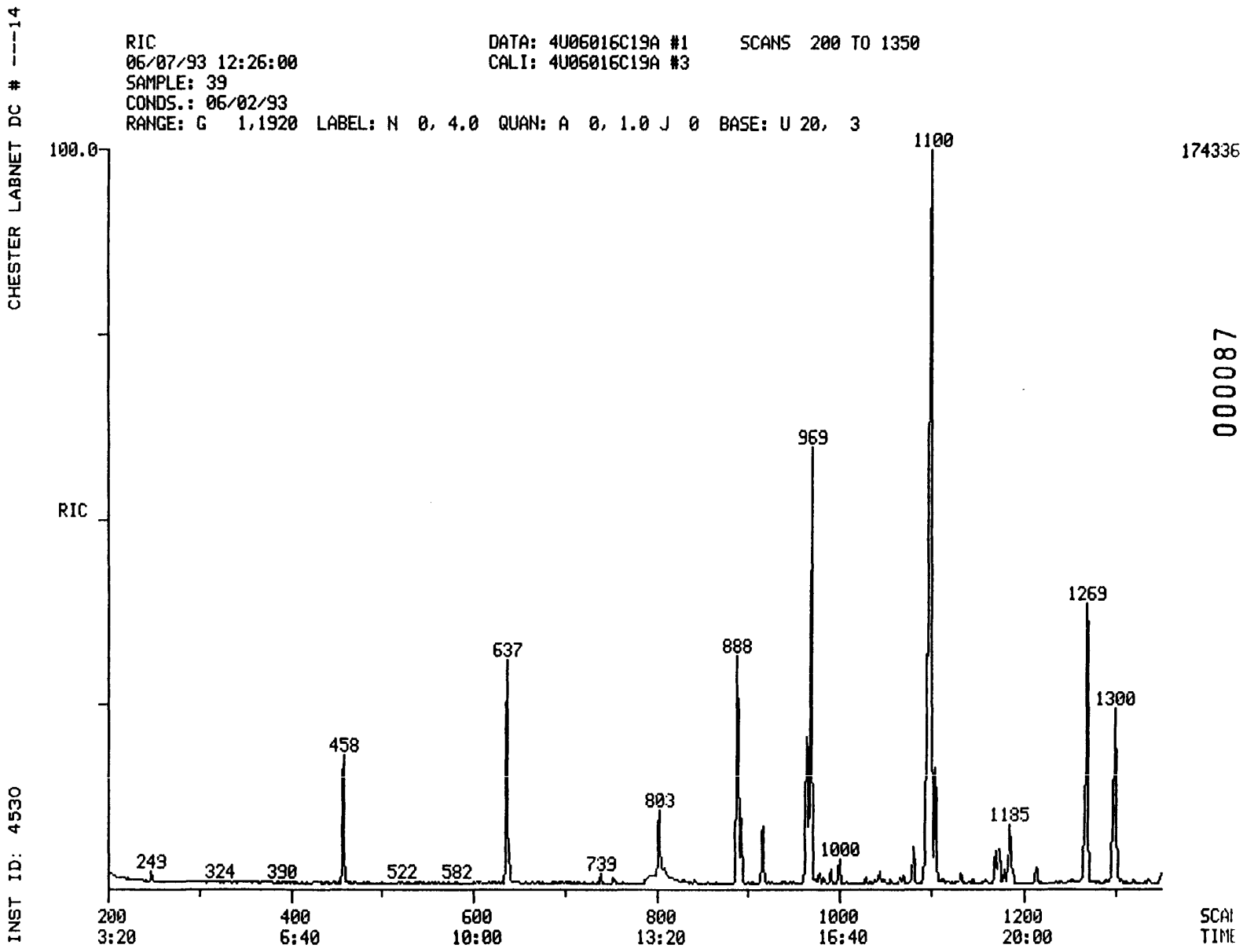
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601619
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C19A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	83	16 J
C540	ACENAPHTHYLENE	83 U	
C550	ACENAPHTHENE	83	45 J
C590	FLUORENE	83	110
C640	PHENANTHRENE	83	540
C645	ANTHRACENE	83	86
C655	FLUORANTHENE	83	240
C715	PYRENE	83	160
C730	BENZO(A)ANTHRACENE	83	34 J
C740	CHRYSENE	83	33 J
C765	BENZO(B)FLUORANTHENE	83	22 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	12 J
C780	INDENO(1,2,3-CD)PYRENE	83 U	
C785	DIBENZO(A,H)ANTHRACENE	83 U	
C790	BENZO(GHI)PERYLENE	83 U	

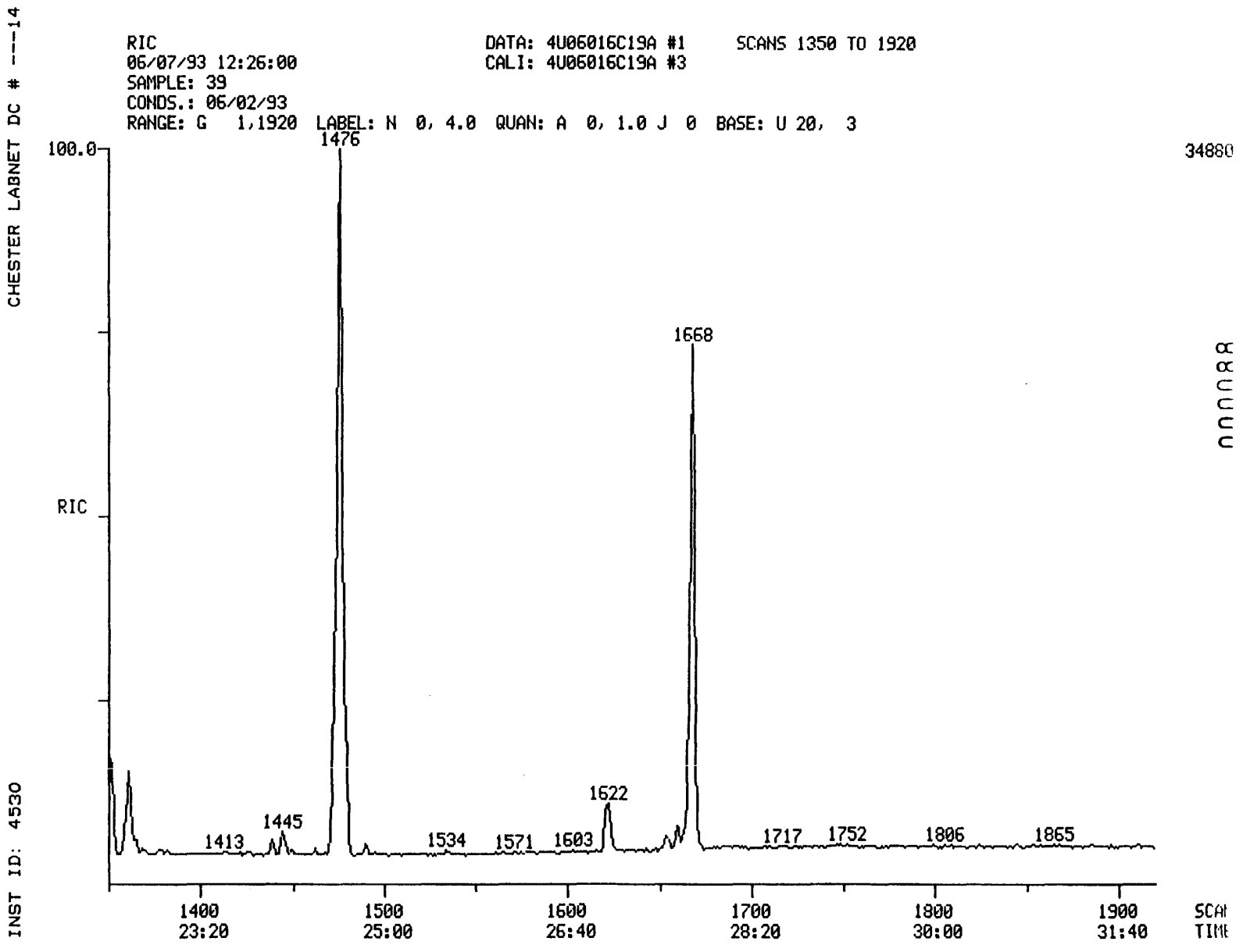
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000087

010569

010569



010570

010570

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010571

SAMPLE ID.	39		
FILENAME	4U06016C19A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/07/93 12:26:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	8.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
458	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	166	MG/KG	1.000	13
637	CI40	NAPHTHALENE-D8 ** IS2 **	136	166	MG/KG	1.000	62
888	CI50	ACENAPHTHENE-D10 ** IS3 **	164	166	MG/KG	1.000	31
1096	CI60	PHENANTHRENE-D10 ** IS4 **	188	166	MG/KG	1.000	56
1476	CI70	CHRYSENE-D12 ** IS5 **	240	166	MG/KG	1.000	39
1668	CI75	PERYLENE-D12 ** IS6 **	264	166	MG/KG	1.000	33
639	C450	NAPHTHALENE	128	16	MG/KG	1.003	6
892	C550	ACENAPHTHENE	153	45	MG/KG	1.005	111
964	C590	FLUORENE	166	108	MG/KG	1.086	27
1100	C640	PHENANTHRENE	178	539	MG/KG	1.004	213
1105	C645	ANTHRACENE	178	86	MG/KG	1.008	32
1269	C655	FLUORANTHENE	202	243	MG/KG	1.158	92
1300	C715	PYRENE	202	165	MG/KG	0.881	59
1474	C730	BENZO(A)ANTHRACENE	228	34	MG/KG	0.999	10
1479	C740	CHRYSENE	228	33	MG/KG	1.002	8
1622	C765	BENZO(B)FLUORANTHENE	252	22	MG/KG	0.972	6
1660	C775	BENZO(A)PYRENE	252	12	MG/KG	0.995	2

*SURROGATES WERE DILUTED OUT

010572

INST ID: 4530 SAMPLE NUMBER: 40

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601620
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C20
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	770	160 J
C740	CHRYSENE	770	160 J
C765	BENZO(B)FLUORANTHENE	770	95 J
C770	BENZO(K)FLUORANTHENE	770 U	
C775	BENZO(A)PYRENE	770	55 J
C780	INDENO(1,2,3-CD)PYRENE	770	7 J
C785	DIBENZO(A,H)ANTHRACENE	770 U	

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

010573

INST ID: 4530 SAMPLE NUMBER: 40

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601620
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

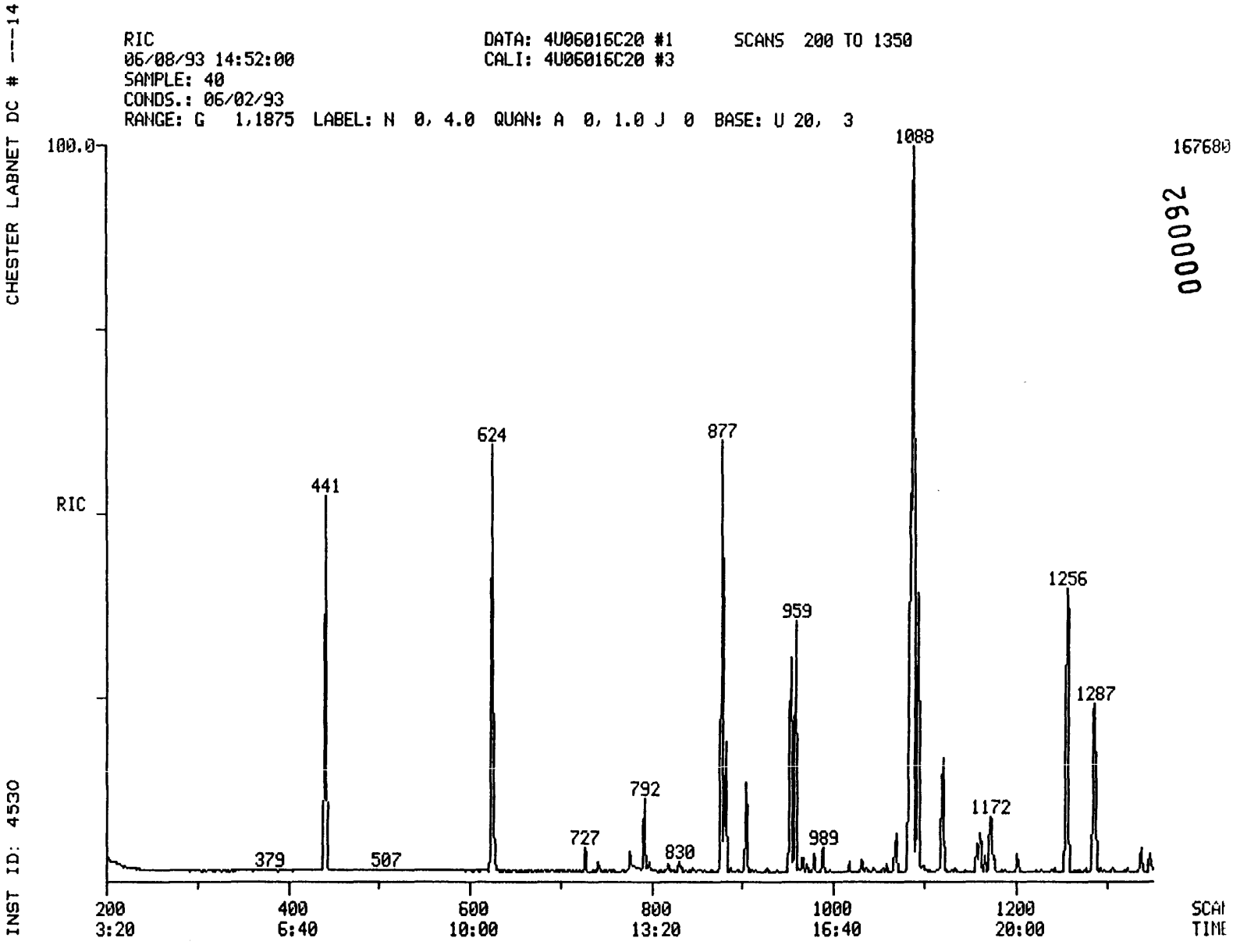
CONCENTRATION: LOW DATAFILE: 4U06016C20
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	770	190 J
C540	ACENAPHTHYLENE	770	7 J
C550	ACENAPHTHENE	770	420 J
C590	FLUORENE	770	760 J
C640	PHENANTHRENE	770	2500
C645	ANTHRACENE	770	1400
C655	FLUORANTHENE	770	1200
C715	PYRENE	770	670 J
C730	BENZO(A)ANTHRACENE	770	160 J
C740	CHRYSENE	770	160 J
C765	BENZO(B)FLUORANTHENE	770	95 J
C770	BENZO(K)FLUORANTHENE	770 U	
C775	BENZO(A)PYRENE	770	55 J
C780	INDENO(1,2,3-CD)PYRENE	770	7 J
C785	DIBENZO(A,H)ANTHRACENE	770 U	
C790	BENZO(GHI)PERYLENE	770	9 J

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

000091

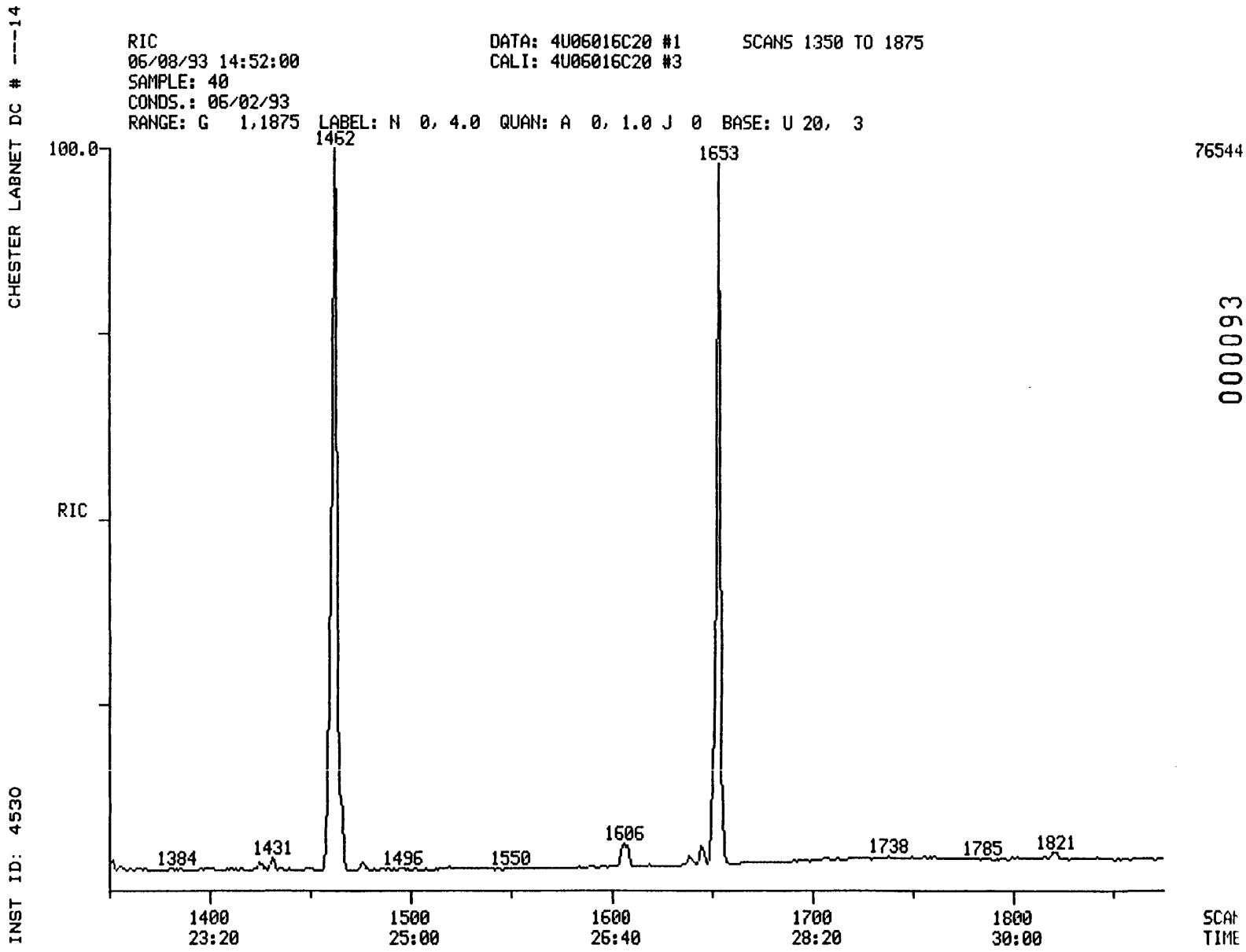
010573



000092

010574

010574



000093

010575

010575

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010576

SAMPLE ID.	40		
FILENAME	4U06016C20	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 14:52:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	77.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
441	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1540 MG/KG	1.000	281
624	CI40	NAPHTHALENE-D8 ** IS2 **	136	1540 MG/KG	1.000	108E
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1540 MG/KG	1.000	512
1084	CI60	PHENANTHRENE-D10 ** IS4 **	188	1540 MG/KG	1.000	941
1462	CI70	CHRYSENE-D12 ** IS5 **	240	1540 MG/KG	1.000	784
1653	CI75	PERYLENE-D12 ** IS6 **	264	1540 MG/KG	1.000	730
627	C450	NAPHTHALENE	128	187 MG/KG	1.005	143
854	C540	ACENAPHTHYLENE	152	7 MG/KG	0.974	5
881	C550	ACENAPHTHENE	153	418 MG/KG	1.005	183
953	C590	FLUORENE	166	759 MG/KG	1.087	334
1088	C640	PHENANTHRENE	178	2457 MG/KG	1.004	1893
1093	C645	ANTHRACENE	178	1363 MG/KG	1.008	834
1256	C655	FLUORANTHENE	202	1189 MG/KG	1.159	809
1287	C715	PYRENE	202	670 MG/KG	0.880	509
1460	C730	BENZO(A)ANTHRACENE	228	160 MG/KG	0.999	107
1465	C740	CHRYSENE	228	157 MG/KG	1.002	84
1606	C765	BENZO(B)FLUORANTHENE	252	95 MG/KG	0.972	65
1645	C775	BENZO(A)PYRENE	252	55 MG/KG	0.995	2E
1802	C780	INDENO(1,2,3-CD)PYRENE	276	7 MG/KG	1.090	3
1842	C790	BENZO(GHI)PERYLENE	276	9 MG/KG	1.114	3

*SURROGATES WERE DILUTED OUT

010577

INST ID: 4530 SAMPLE NUMBER: 41

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930606121
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C21
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	510	200 J
C740	CHRYSENE	510	200 J
C765	BENZO(B)FLUORANTHENE	510	140 J
C770	BENZO(K)FLUORANTHENE	510 U	
C775	BENZO(A)PYRENE	510	79 J
C780	INDENO(1,2,3-CD)PYRENE	510	22 J
C785	DIBENZO(A,H)ANTHRACENE	510 U	

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

010578

INST ID: 4530 SAMPLE NUMBER: 41

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930606121
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C21
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	510	46 J
C540	ACENAPHTHYLENE	510	2 J
C550	ACENAPHTHENE	510	39 J
C590	FLUORENE	510	180 J
C640	PHENANTHRENE	510	1800
C645	ANTHRACENE	510	660
C655	FLUORANTHENE	510	1400
C715	PYRENE	510	850
C730	BENZO(A)ANTHRACENE	510	200 J
C740	CHRYSENE	510	200 J
C765	BENZO(B)FLUORANTHENE	510	140 J
C770	BENZO(K)FLUORANTHENE	510 U	
C775	BENZO(A)PYRENE	510	79 J
C780	INDENO(1,2,3-CD)PYRENE	510	22 J
C785	DIBENZO(A,H)ANTHRACENE	510 U	
C790	BENZO(GHI)PERYLENE	510	24 J

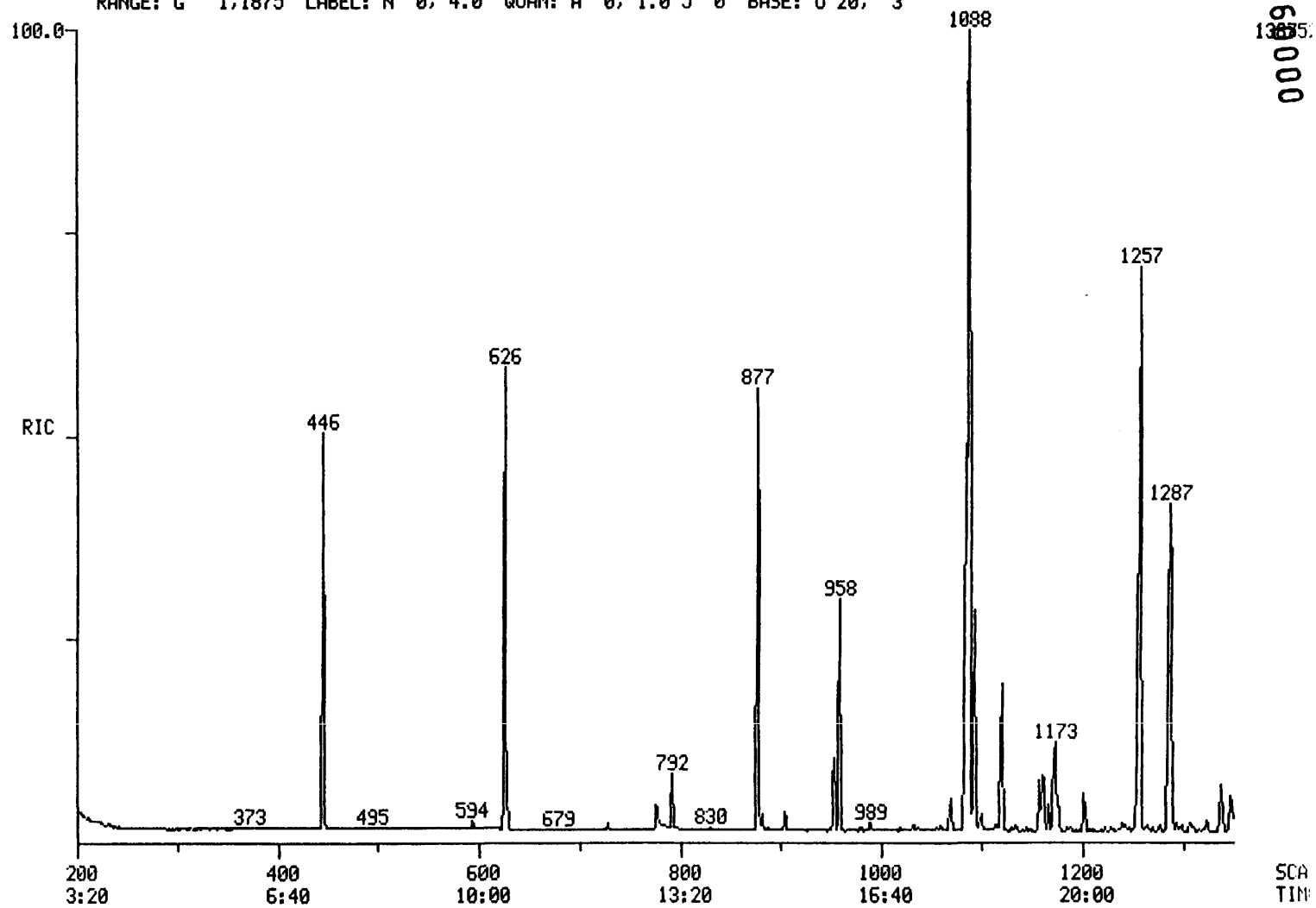
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT

CHESTER LABNET DC # ---14

RIC
06/08/93 15:33:00
SAMPLE: 41
CONDS.: 06/02/93
RANGE: G 1,1875 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U06016C21 #1
CALI: 4U06016C21 #3

SCANS 200 TO 1350

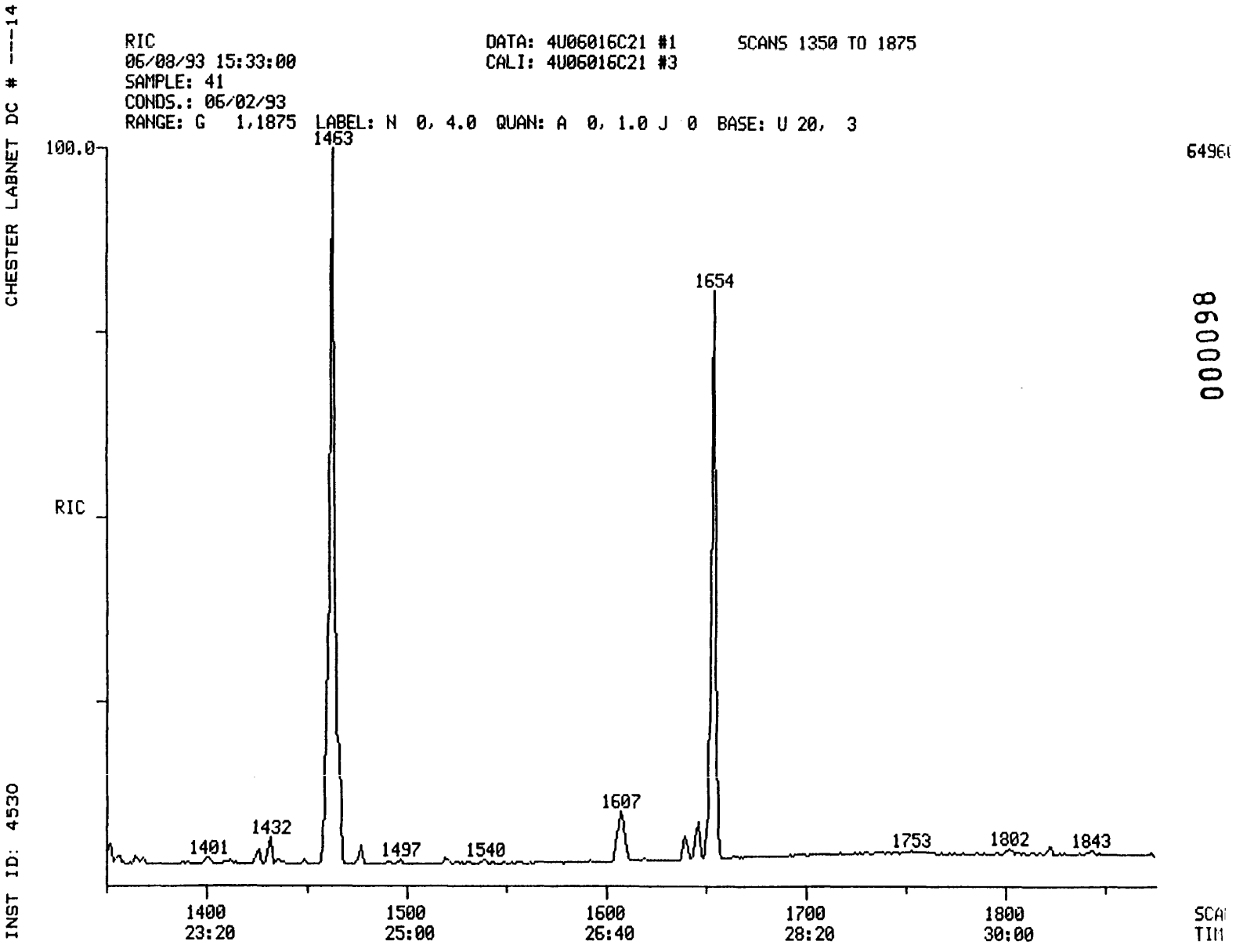


INST ID: 4530

000097

010579

010579



000098

010580

010580

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010581

SAMPLE ID.	41		
FILENAME	4U06016C21	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 15:33:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	51.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
446	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	1020 MG/KG	1.000	226
626	CI40	NAPHTHALENE-D8 ** IS2 **	136	1020 MG/KG	1.000	824
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	1020 MG/KG	1.000	392
1084	CI60	PHENANTHRENE-D10 ** IS4 **	188	1020 MG/KG	1.000	708
1463	CI70	CHRYSENE-D12 ** IS5 **	240	1020 MG/KG	1.000	575
1654	CI75	PERYLENE-D12 ** IS6 **	264	1020 MG/KG	1.000	518
628	C450	NAPHTHALENE	128	46 MG/KG	1.003	40
854	C540	ACENAPHTHYLENE	152	2 MG/KG	0.974	1
881	C550	ACENAPHTHENE	153	39 MG/KG	1.005	19
953	C590	FLUORENE	166	184 MG/KG	1.087	93
1088	C640	PHENANTHRENE	178	1752 MG/KG	1.004	1534
1093	C645	ANTHRACENE	178	659 MG/KG	1.008	458
1257	C655	FLUORANTHENE	202	1426 MG/KG	1.160	1102
1287	C715	PYRENE	202	850 MG/KG	0.880	716
1461	C730	BENZO(A)ANTHRACENE	228	202 MG/KG	0.999	150
1466	C740	CHRYSENE	228	203 MG/KG	1.002	120
1607	C765	BENZO(B)FLUORANTHENE	252	141 MG/KG	0.972	104
1646	C775	BENZO(A)PYRENE	252	79 MG/KG	0.995	43
1802	C780	INDENO(1,2,3-CD)PYRENE	276	22 MG/KG	1.089	11
1843	C790	BENZO(GHI)PERYLENE	276	24 MG/KG	1.114	10

*SURROGATES WERE DILUTED OUT

010582

INST ID: 4530 SAMPLE NUMBER: 42

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601622
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C22
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	340	95 J
C740	CHRYSENE	340	100 J
C765	BENZO(B)FLUORANTHENE	340	67 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	37 J
C780	INDENO(1,2,3-CD)PYRENE	340	10 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	

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

010583

INST ID: 4530 SAMPLE NUMBER: 42

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601622
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

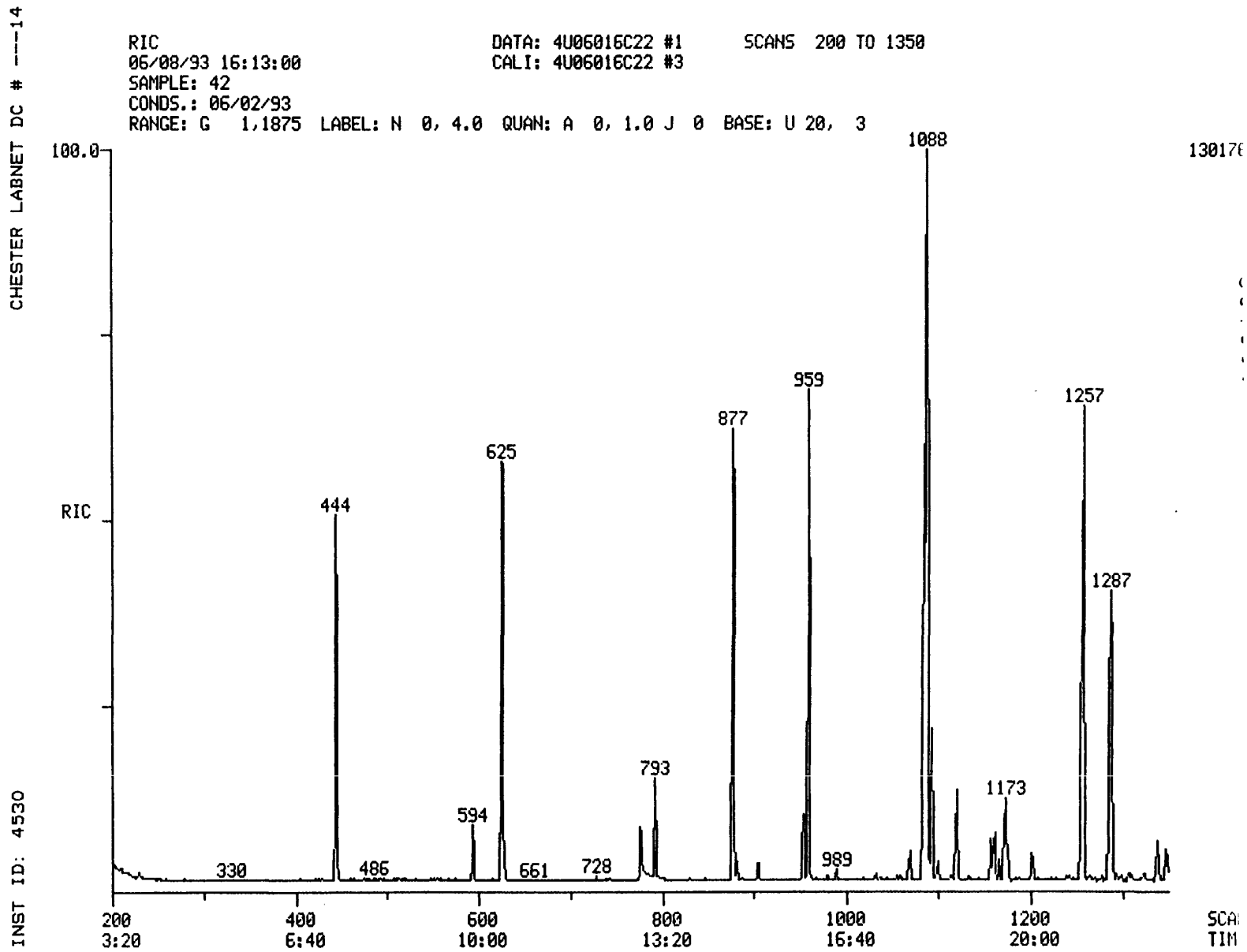
CONCENTRATION: LOW DATAFILE: 4U06016C22
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	340	22 J
C540	ACENAPHTHYLENE	340 U	
C550	ACENAPHTHENE	340	30 J
C590	FLUORENE	340	95 J
C640	PHENANTHRENE	340	900
C645	ANTHRACENE	340	270 J
C655	FLUORANTHENE	340	720
C715	PYRENE	340	410
C730	BENZO(A)ANTHRACENE	340	95 J
C740	CHRYSENE	340	100 J
C765	BENZO(B)FLUORANTHENE	340	67 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	37 J
C780	INDENO(1,2,3-CD)PYRENE	340	10 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	
C790	BENZO(GHI)PERYLENE	340	9 J

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

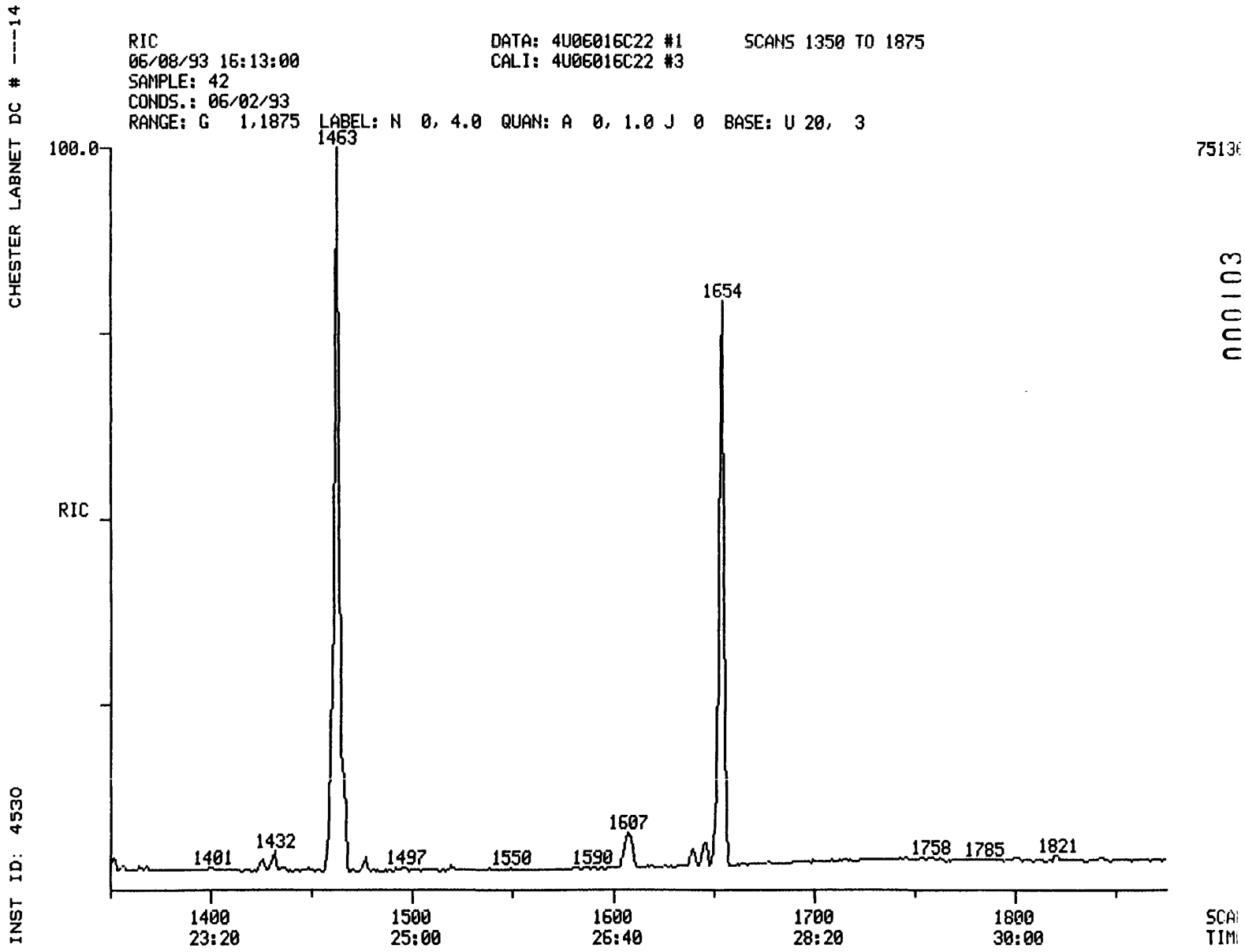
000101

010583



010584

010584



010585

010585

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010586

SAMPLE ID.	42		
FILENAME	4U06016C22	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 16:13:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	34.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	AR
444	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	680	MG/KG	1.000	23
625	CI40	NAPHTHALENE-D8 ** IS2 **	136	680	MG/KG	1.000	93
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	680	MG/KG	1.000	44
1084	CI60	PHENANTHRENE-D10 ** IS4 **	188	680	MG/KG	1.000	82
1463	CI70	CHRYSENE-D12 ** IS5 **	240	680	MG/KG	1.000	70
1654	CI75	PERYLENE-D12 ** IS6 **	264	680	MG/KG	1.000	66
628	C450	NAPHTHALENE	128	22	MG/KG	1.005	3
881	C550	ACENAPHTHENE	153	30	MG/KG	1.005	2
953	C590	FLUORENE	166	95	MG/KG	1.087	8
1088	C640	PHENANTHRENE	178	896	MG/KG	1.004	137
1093	C645	ANTHRACENE	178	266	MG/KG	1.008	32
1257	C655	FLUORANTHENE	202	721	MG/KG	1.160	97
1287	C715	PYRENE	202	410	MG/KG	0.880	63
1460	C730	BENZO(A)ANTHRACENE	228	95	MG/KG	0.998	12
1466	C740	CHRYSENE	228	101	MG/KG	1.002	11
1607	C765	BENZO(B)FLUORANTHENE	252	67	MG/KG	0.972	9
1646	C775	BENZO(A)PYRENE	252	37	MG/KG	0.995	3
1801	C780	INDENO(1,2,3-CD)PYRENE	276	10	MG/KG	1.089	1
1842	C790	BENZO(GHI)PERYLENE	276	9	MG/KG	1.114	

*SURROGATES WERE DILUTED OUT

010587

INST ID: 4530 SAMPLE NUMBER: 43

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601623
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C23
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	83	34 J
C740	CHRYSENE	83	31 J
C765	BENZO(B)FLUORANTHENE	83	19 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	11 J
C780	INDENO(1,2,3-CD)PYRENE	83	3 J
C785	DIBENZO(A,H)ANTHRACENE	83 U	

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

010588

INST ID: 4530 SAMPLE NUMBER: 43

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601623
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C23
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

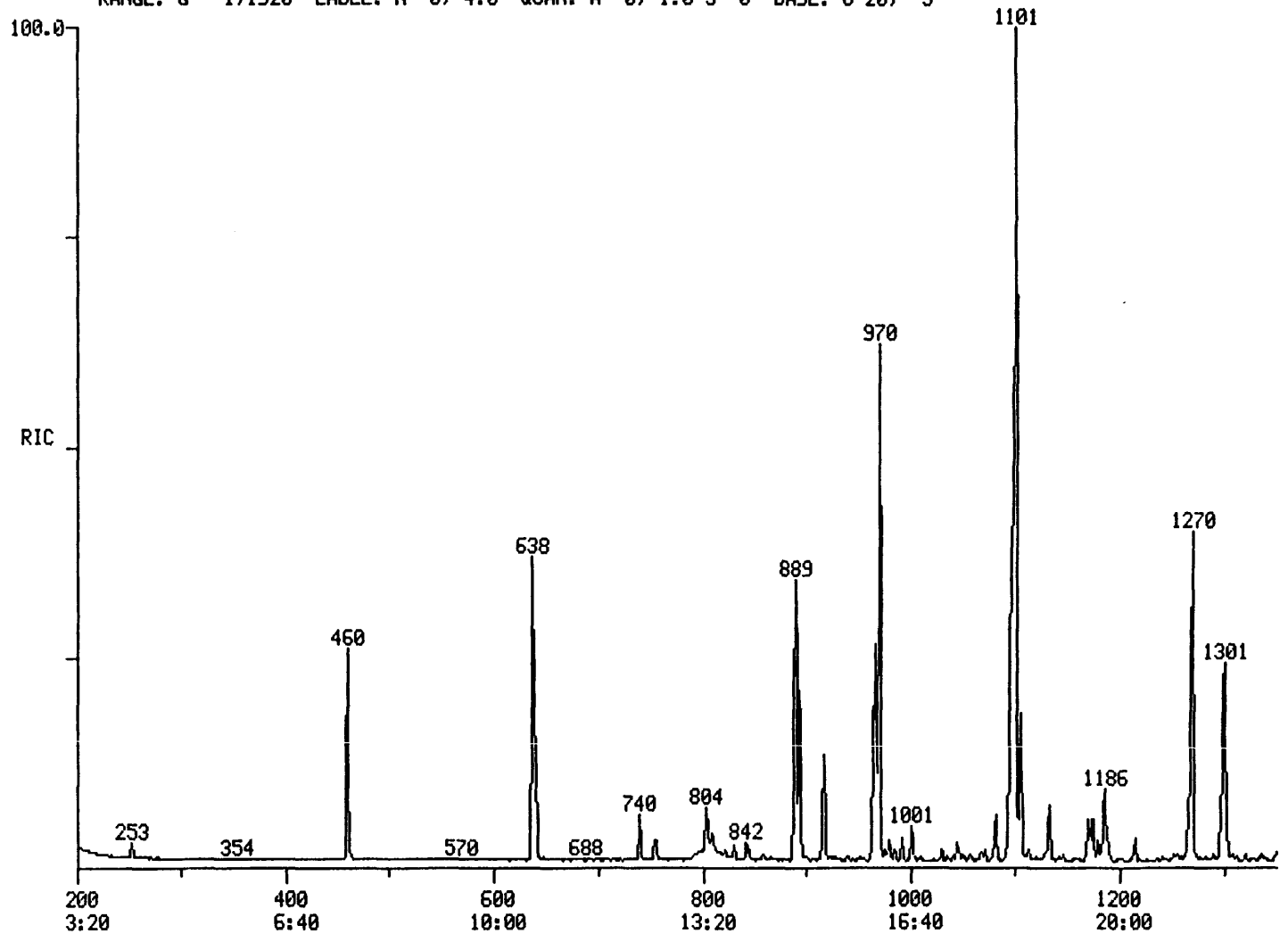
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	83	49 J
C540	ACENAPHTHYLENE	83	2 J
C550	ACENAPHTHENE	83	95
C590	FLUORENE	83	130
C640	PHENANTHRENE	83	510
C645	ANTHRACENE	83	88
C655	FLUORANTHENE	83	230
C715	PYRENE	83	140
C730	BENZO(A)ANTHRACENE	83	34 J
C740	CHRYSENE	83	31 J
C765	BENZO(B)FLUORANTHENE	83	19 J
C770	BENZO(K)FLUORANTHENE	83 U	
C775	BENZO(A)PYRENE	83	11 J
C780	INDENO(1,2,3-CD)PYRENE	83	3 J
C785	DIBENZO(A,H)ANTHRACENE	83 U	
C790	BENZO(GHI)PERYLENE	83	3 J

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

CHESTER LABNET DC # ---14

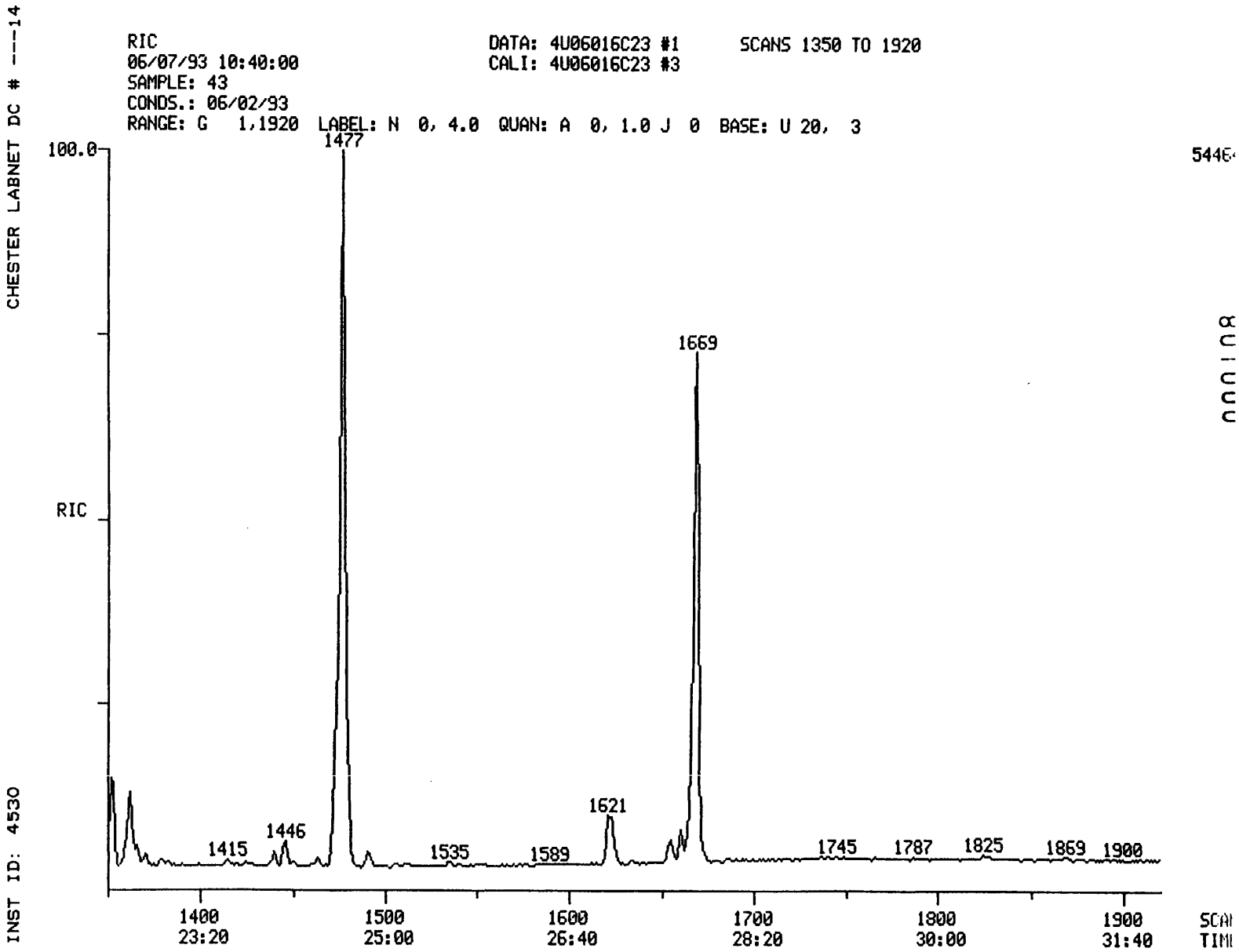
RIC
06/07/93 10:40:00
SAMPLE: 43
CONDS.: 06/02/93
RANGE: G 1,1920 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U06016C23 #1 SCANS 200 TO 1350
CALI: 4U06016C23 #3



INST ID: 4530

010589


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/07/93 10:40:00
SAMPLE: 43
CONDS.: 06/02/93
RANGE: G 1,1920 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C23 #1
CALI: 4U06016C23 #3
SCANS 1350 TO 1920
100.0
RIC
1477
1669
1621
1415
1446
1535
1589
1745
1787
1825
1869
1900
1400
23:20
1500
25:00
1600
26:40
1700
28:20
1800
30:00
1900
31:40

010590

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010591

SAMPLE ID.	43		
FILENAME	4U06016C23	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/07/93 10:40:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	8.30

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
460	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	166 MG/KG	1.000	18E
638	CI40	NAPHTHALENE-D8 ** IS2 **	136	166 MG/KG	1.000	859
889	CI50	ACENAPHTHENE-D10 ** IS3 **	164	166 MG/KG	1.000	406
1097	CI60	PHENANTHRENE-D10 ** IS4 **	188	166 MG/KG	1.000	715
1477	CI70	CHRYSENE-D12 ** IS5 **	240	166 MG/KG	1.000	549
1669	CI75	PERYLENE-D12 ** IS6 **	264	166 MG/KG	1.000	53E
641	C450	NAPHTHALENE	128	49 MG/KG	1.005	275
866	C540	ACENAPHTHYLENE	152	2 MG/KG	0.974	11
893	C550	ACENAPHTHENE	153	95 MG/KG	1.004	303
965	C590	FLUORENE	166	134 MG/KG	1.085	432
1101	C640	PHENANTHRENE	178	514 MG/KG	1.004	2559
1106	C645	ANTHRACENE	178	88 MG/KG	1.008	416
1270	C655	FLUORANTHENE	202	234 MG/KG	1.158	1121
1301	C715	PYRENE	202	142 MG/KG	0.881	715
1475	C730	BENZO(A)ANTHRACENE	228	34 MG/KG	0.999	147
1480	C740	CHRYSENE	228	31 MG/KG	1.002	113
1621	C765	BENZO(B)FLUORANTHENE	252	19 MG/KG	0.971	93
1661	C775	BENZO(A)PYRENE	252	11 MG/KG	0.995	38
1827	C780	INDENO(1,2,3-CD)PYRENE	276	3 MG/KG	1.095	9
1870	C790	BENZO(GHI)PERYLENE	276	3 MG/KG	1.120	7

*SURROGATES WERE DILUTED OUT

010592

INST ID: 4530 SAMPLE NUMBER: 44

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601624
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C24
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	6700	700 J
C740	CHRYSENE	6700	730 J
C765	BENZO(B)FLUORANTHENE	6700	390 J
C770	BENZO(K)FLUORANTHENE	6700 U	
C775	BENZO(A)PYRENE	6700	200 J
C780	INDENO(1,2,3-CD)PYRENE	6700 U	
C785	DIBENZO(A,H)ANTHRACENE	6700 U	

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

010593

INST ID: 4530 SAMPLE NUMBER: 44

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601624
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

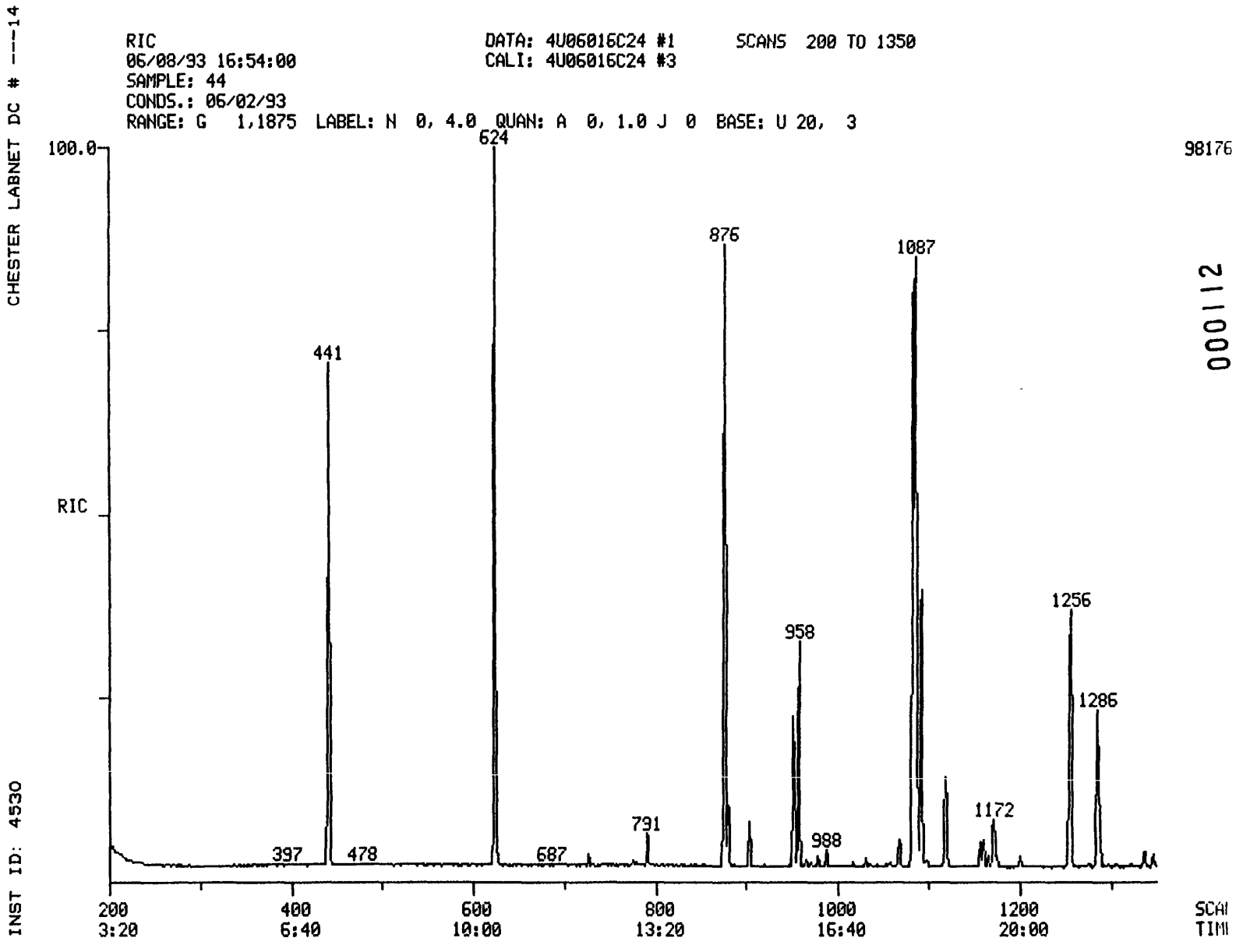
SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C24
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	6700	510 J
C540	ACENAPHTHYLENE	6700	41 J
C550	ACENAPHTHENE	6700	1300 J
C590	FLUORENE	6700	3100 J
C640	PHENANTHRENE	6700	11000
C645	ANTHRACENE	6700	7300
C655	FLUORANTHENE	6700	5700 J
C715	PYRENE	6700	3200 J
C730	BENZO(A)ANTHRACENE	6700	700 J
C740	CHRYSENE	6700	730 J
C765	BENZO(B)FLUORANTHENE	6700	390 J
C770	BENZO(K)FLUORANTHENE	6700 U	
C775	BENZO(A)PYRENE	6700	200 J
C780	INDENO(1,2,3-CD)PYRENE	6700 U	
C785	DIBENZO(A,H)ANTHRACENE	6700 U	
C790	BENZO(GHI)PERYLENE	6700 U	

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

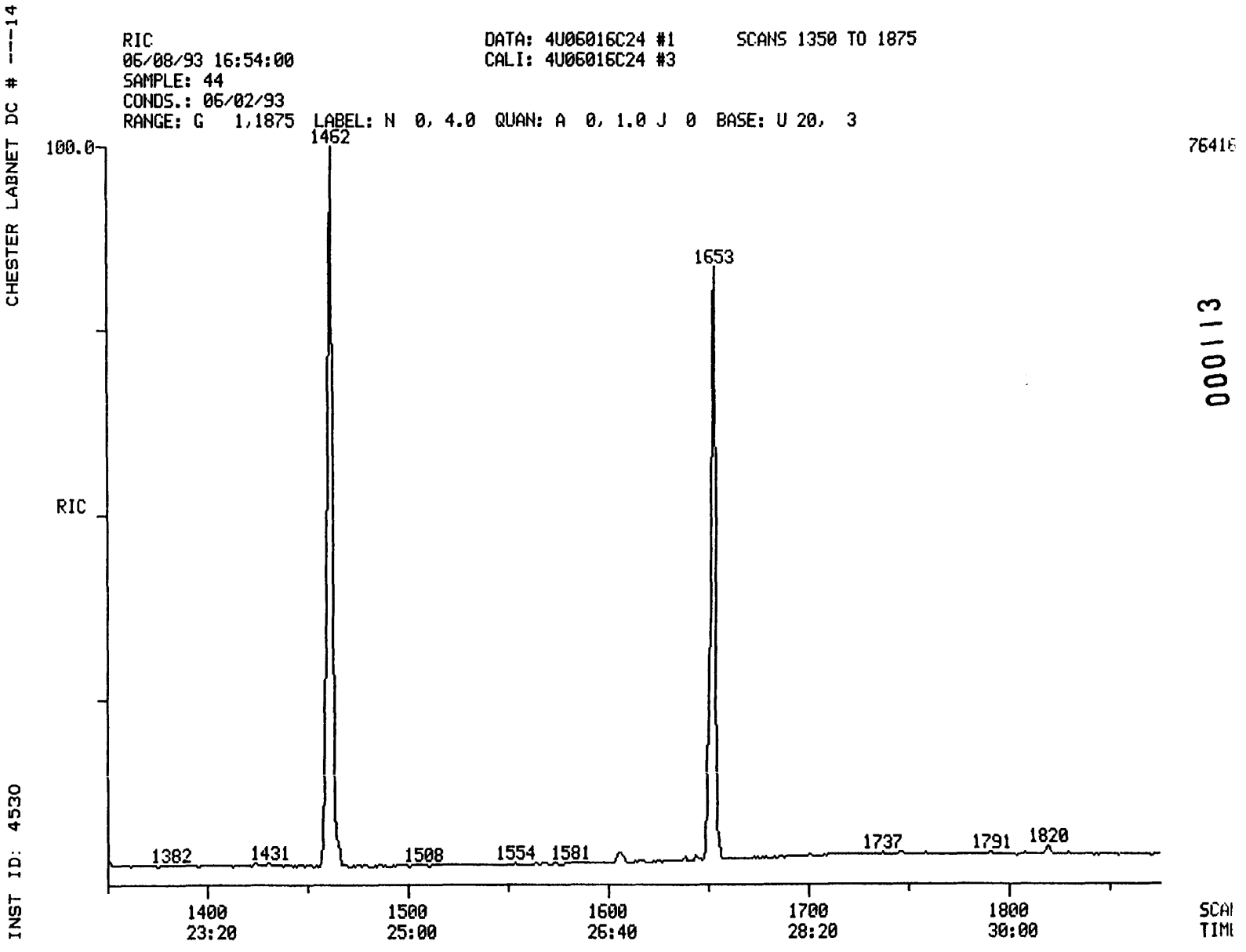
000111



000112

010594

010594



000113

010595

010595

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010596

SAMPLE ID.	44		
FILENAME	4U06016C24	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 16:54:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	670.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	AR
441	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	13400	MG/KG	1.000	26
624	CI40	NAPHTHALENE-D8 ** IS2 **	136	13400	MG/KG	1.000	102
876	CI50	ACENAPHTHENE-D10 ** IS3 **	164	13400	MG/KG	1.000	49
1083	CI60	PHENANTHRENE-D10 ** IS4 **	188	13400	MG/KG	1.000	90
1462	CI70	CHRYSENE-D12 ** IS5 **	240	13400	MG/KG	1.000	76
1652	CI75	PERYLENE-D12 ** IS6 **	264	13400	MG/KG	1.000	71
627	C450	NAPHTHALENE	128	511	MG/KG	1.005	4
853	C540	ACENAPHTHYLENE	152	41	MG/KG	0.974	
880	C550	ACENAPHTHENE	153	1282	MG/KG	1.005	6
952	C590	FLUORENE	166	3129	MG/KG	1.087	15
1087	C640	PHENANTHRENE	178	10981	MG/KG	1.004	93
1093	C645	ANTHRACENE	178	7290	MG/KG	1.009	49
1256	C655	FLUORANTHENE	202	5673	MG/KG	1.160	42
1286	C715	PYRENE	202	3175	MG/KG	0.880	27
1459	C730	BENZO(A)ANTHRACENE	228	698	MG/KG	0.998	5
1465	C740	CHRYSENE	228	734	MG/KG	1.002	4
1605	C765	BENZO(B)FLUORANTHENE	252	394	MG/KG	0.972	3
1644	C775	BENZO(A)PYRENE	252	200	MG/KG	0.995	1

*SURROGATES WERE DILUTED OUT

010597

INST ID: 4530 SAMPLE NUMBER: 45

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601625
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..RB.... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C25
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	170	40 J
C740	CHRYSENE	170	43 J
C765	BENZO(B)FLUORANTHENE	170	27 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	16 J
C780	INDENO(1,2,3-CD)PYRENE	170	4 J
C785	DIBENZO(A,H)ANTHRACENE	170 U	

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

010598

INST ID: 4530 SAMPLE NUMBER: 45

ORGANICS ANALYSIS DATA SHEET -

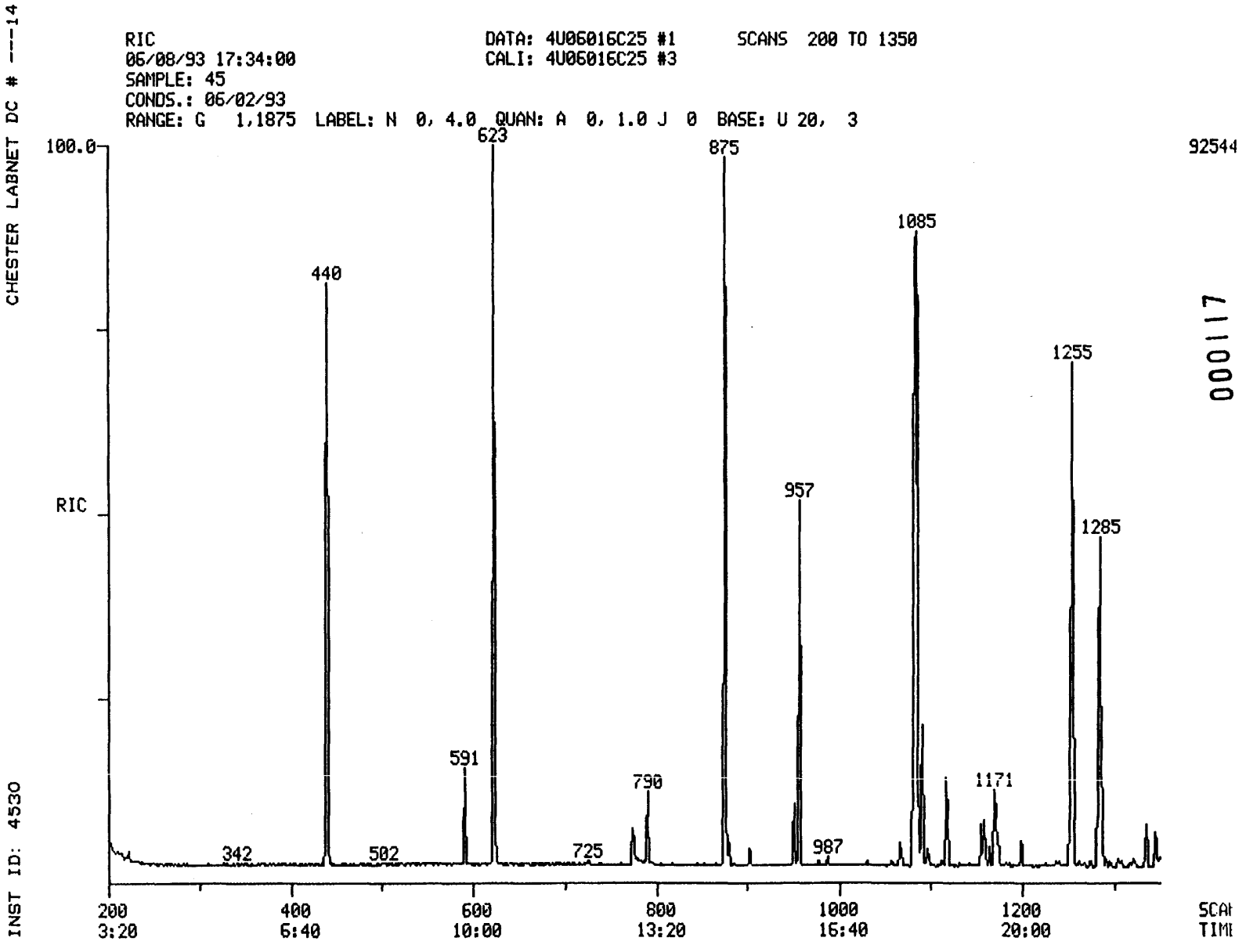
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601625
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C25
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

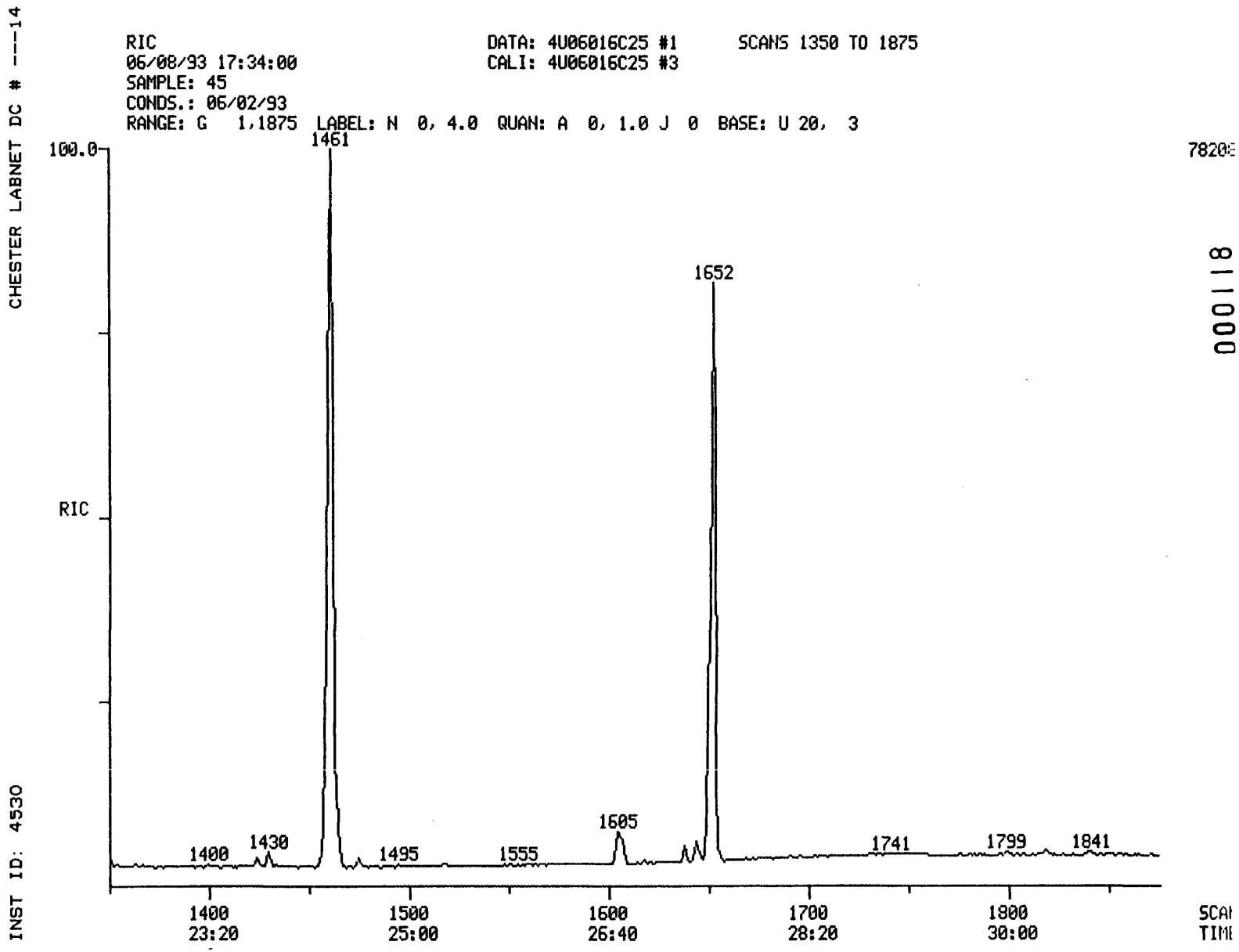
	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	170	8 J
C540	ACENAPHTHYLENE	170 U	
C550	ACENAPHTHENE	170	14 J
C590	FLUORENE	170	31 J
C640	PHENANTHRENE	170	270
C645	ANTHRACENE	170	91 J
C655	FLUORANTHENE	170	270
C715	PYRENE	170	160 J
C730	BENZO(A)ANTHRACENE	170	40 J
C740	CHRYSENE	170	43 J
C765	BENZO(B)FLUORANTHENE	170	27 J
C770	BENZO(K)FLUORANTHENE	170 U	
C775	BENZO(A)PYRENE	170	16 J
C780	INDENO(1,2,3-CD)PYRENE	170	4 J
C785	DIBENZO(A,H)ANTHRACENE	170 U	
C790	BENZO(GHI)PERYLENE	170	5 J

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



010599

010599



010600

010600

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010601

SAMPLE ID. 45

FILENAME 4U06016C25 INST ID. 4530

CLIENT DAMES_MO ANALYST SC

DATE INJECTED 06/08/93 17:34:00 VERIFIED BY

CALIB STD DATE 06/02/93 CORR. FACTOR 17.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
440	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	340	MG/KG	1.000	249
623	CI40	NAPHTHALENE-D8 ** IS2 **	136	340	MG/KG	1.000	1003
875	CI50	ACENAPHTHENE-D10 ** IS3 **	164	340	MG/KG	1.000	470
1082	CI60	PHENANTHRENE-D10 ** IS4 **	188	340	MG/KG	1.000	893
1461	CI70	CHRYSENE-D12 ** IS5 **	240	340	MG/KG	1.000	740
1652	CI75	PERYLENE-D12 ** IS6 **	264	340	MG/KG	1.000	682
625	C450	NAPHTHALENE	128	8	MG/KG	1.003	26
879	C550	ACENAPHTHENE	153	14	MG/KG	1.005	24
951	C590	FLUORENE	166	31	MG/KG	1.087	57
1085	C640	PHENANTHRENE	178	275	MG/KG	1.003	910
1091	C645	ANTHRACENE	178	91	MG/KG	1.008	239
1255	C655	FLUORANTHENE	202	267	MG/KG	1.160	780
1285	C715	PYRENE	202	159	MG/KG	0.880	518
1458	C730	BENZO(A)ANTHRACENE	228	40	MG/KG	0.998	113
1464	C740	CHRYSENE	228	43	MG/KG	1.002	99
1605	C765	BENZO(B)FLUORANTHENE	252	27	MG/KG	0.972	78
1644	C775	BENZO(A)PYRENE	252	16	MG/KG	0.995	35
1799	C780	INDENO(1,2,3-CD)PYRENE	276	4	MG/KG	1.089	9
1841	C790	BENZO(GHI)PERYLENE	276	5	MG/KG	1.114	7

*SURROGATES WERE DILUTED OUT

010602

INST ID: 4530 SAMPLE NUMBER: 46

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601626
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C26
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	340	140 J
C740	CHRYSENE	340	130 J
C765	BENZO(B)FLUORANTHENE	340	95 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	41 J
C780	INDENO(1,2,3-CD)PYRENE	340	19 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	

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

010603

INST ID: 4530 SAMPLE NUMBER: 46

ORGANICS ANALYSIS DATA SHEET -

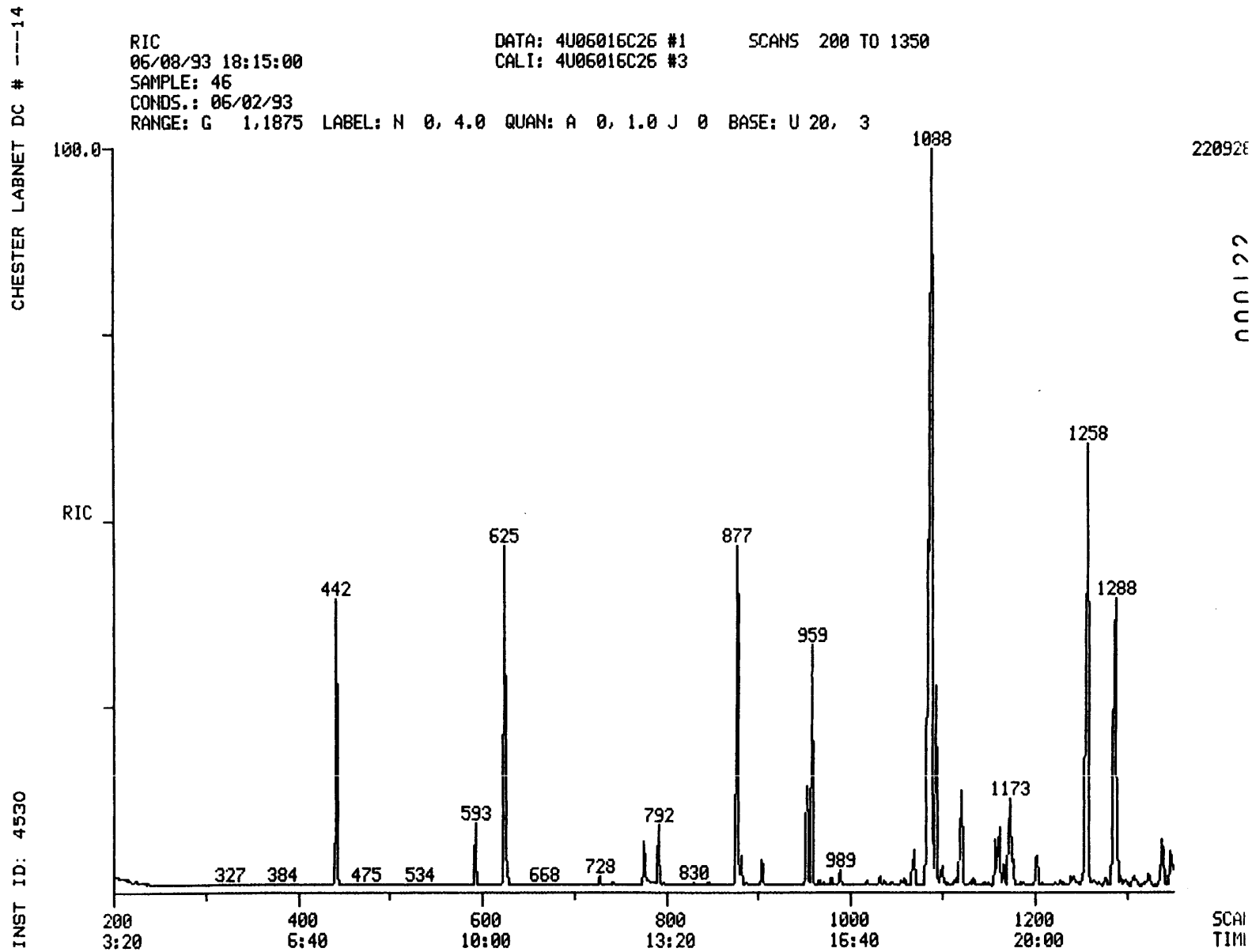
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601626
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

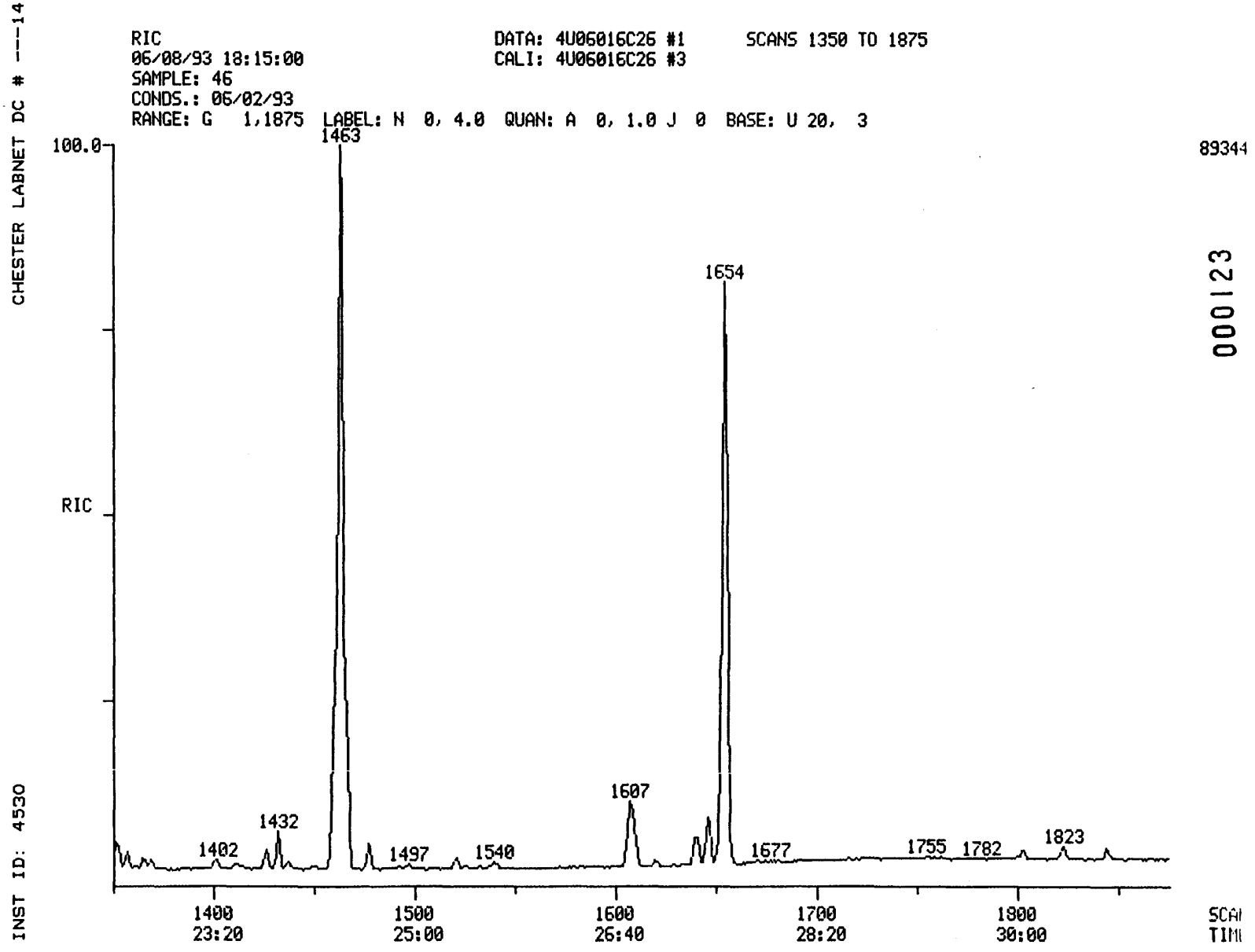
CONCENTRATION: LOW DATAFILE: 4U06016C26
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/08/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	340	52 J
C540	ACENAPHTHYLENE	340	2 J
C550	ACENAPHTHENE	340	52 J
C590	FLUORENE	340	190 J
C640	PHENANTHRENE	340	1300
C645	ANTHRACENE	340	420
C655	FLUORANTHENE	340	1000
C715	PYRENE	340	550
C730	BENZO(A)ANTHRACENE	340	140 J
C740	CHRYSENE	340	130 J
C765	BENZO(B)FLUORANTHENE	340	95 J
C770	BENZO(K)FLUORANTHENE	340 U	
C775	BENZO(A)PYRENE	340	41 J
C780	INDENO(1,2,3-CD)PYRENE	340	19 J
C785	DIBENZO(A,H)ANTHRACENE	340 U	
C790	BENZO(GHI)PERYLENE	340	22 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
06/08/93 18:15:00
SAMPLE: 46
CONDS.: 06/02/93
RANGE: G 1,1875 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: 4U06016C26 #1
CALI: 4U06016C26 #3
SCANS 200 TO 1350
100.0
RIC
1088
1258
1288
1173
877
959
625
442
593
792
989
327
384
475
534
668
728
830
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00

010604


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/08/93 18:15:00
SAMPLE: 46
CONDS.: 06/02/93
RANGE: G 1,1875
DATA: 4U06016C26 #1
CALI: 4U06016C26 #3
SCANS 1350 TO 1875
LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
100.0
RIC
1463
1654
1607
1432
1402
1497
1540
1677
1755
1782
1823
1400
23:20
1500
25:00
1600
26:40
1700
28:20
1800
30:00
89344
000123

010605

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010606

SAMPLE ID.	46		
FILENAME	4U06016C26	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/08/93 18:15:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	34.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
442	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	680 MG/KG	1.000	287
625	CI40	NAPHTHALENE-D8 ** IS2 **	136	680 MG/KG	1.000	115C
877	CI50	ACENAPHTHENE-D10 ** IS3 **	164	680 MG/KG	1.000	562
1085	CI60	PHENANTHRENE-D10 ** IS4 **	188	680 MG/KG	1.000	103E
1463	CI70	CHRYSENE-D12 ** IS5 **	240	680 MG/KG	1.000	889
1654	CI75	PERYLENE-D12 ** IS6 **	264	680 MG/KG	1.000	802
627	C450	NAPHTHALENE	128	52 MG/KG	1.003	94
854	C540	ACENAPHTHYLENE	152	2 MG/KG	0.974	3
881	C550	ACENAPHTHENE	153	52 MG/KG	1.005	56
953	C590	FLUORENE	166	191 MG/KG	1.087	209
1088	C640	PHENANTHRENE	178	1318 MG/KG	1.003	253E
1094	C645	ANTHRACENE	178	416 MG/KG	1.008	635
1258	C655	FLUORANTHENE	202	1001 MG/KG	1.159	1702
1288	C715	PYRENE	202	553 MG/KG	0.880	108C
1461	C730	BENZO(A)ANTHRACENE	228	141 MG/KG	0.999	243
1466	C740	CHRYSENE	228	132 MG/KG	1.002	183
1607	C765	BENZO(B)FLUORANTHENE	252	95 MG/KG	0.972	163
1640	C775	BENZO(A)PYRENE	252	41 MG/KG	0.992	52
1802	C780	INDENO(1,2,3-CD)PYRENE	276	19 MG/KG	1.089	24
1844	C790	BENZO(GHI)PERYLENE	276	22 MG/KG	1.115	22

*SURROGATES WERE DILUTED OUT

010607

INST ID: 4530 SAMPLE NUMBER: 47

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601627
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U06016C27A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	470	120 J
C740	CHRYSENE	470	110 J
C765	BENZO(B)FLUORANTHENE	470	64 J
C770	BENZO(K)FLUORANTHENE	470 U	
C775	BENZO(A)PYRENE	470	30 J
C780	INDENO(1,2,3-CD)PYRENE	470 U	
C785	DIBENZO(A,H)ANTHRACENE	470 U	

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

010608

INST ID: 4530 SAMPLE NUMBER: 47

ORGANICS ANALYSIS DATA SHEET -

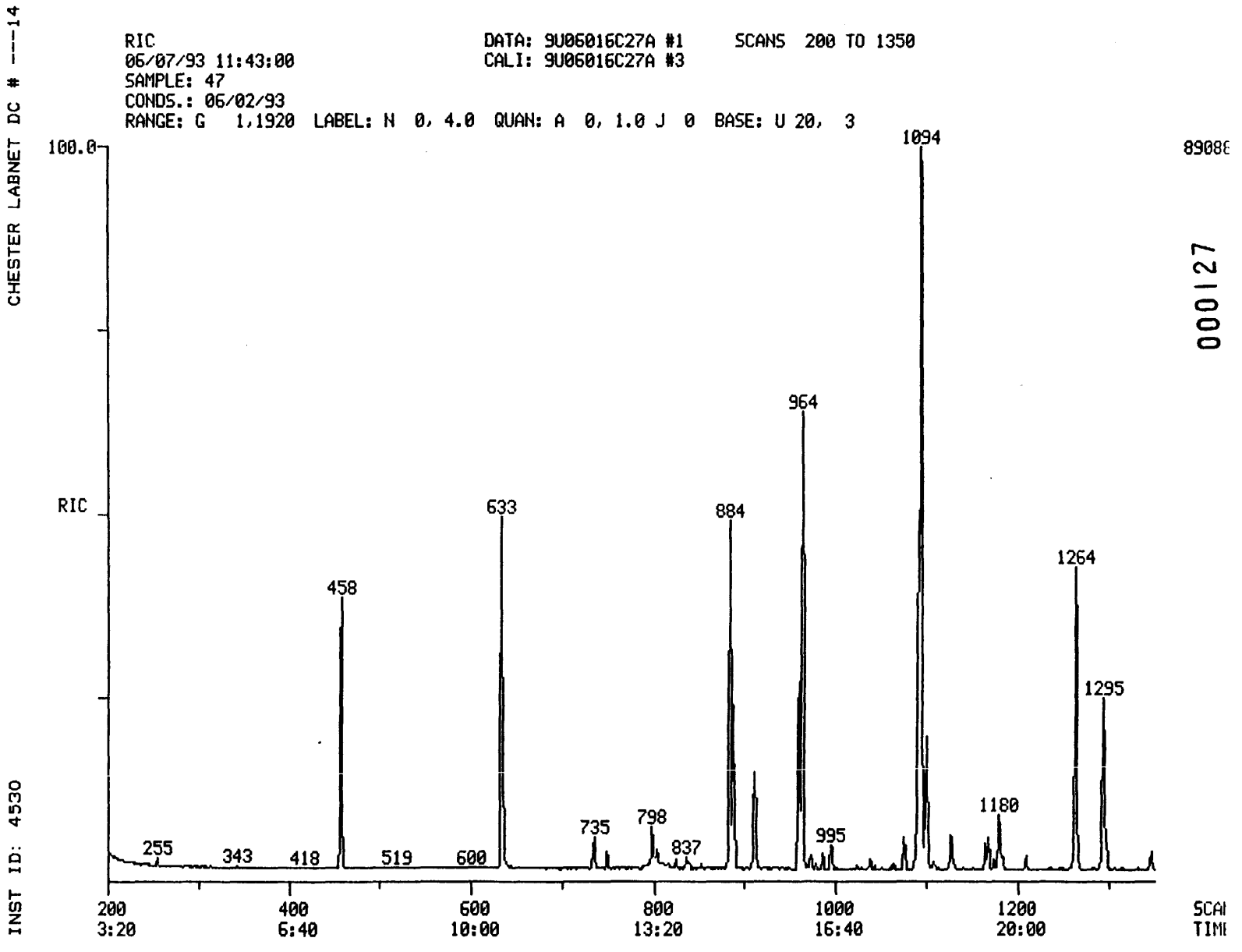
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601627
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 9U06016C27A
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	470	180 J
C540	ACENAPHTHYLENE	470 U	
C550	ACENAPHTHENE	470	370 J
C590	FLUORENE	470	480
C640	PHENANTHRENE	470	1800
C645	ANTHRACENE	470	390 J
C655	FLUORANTHENE	470	840
C715	PYRENE	470	560
C730	BENZO(A)ANTHRACENE	470	120 J
C740	CHRYSENE	470	110 J
C765	BENZO(B)FLUORANTHENE	470	64 J
C770	BENZO(K)FLUORANTHENE	470 U	
C775	BENZO(A)PYRENE	470	30 J
C780	INDENO(1,2,3-CD)PYRENE	470 U	
C785	DIBENZO(A,H)ANTHRACENE	470 U	
C790	BENZO(GHI)PERYLENE	470 U	

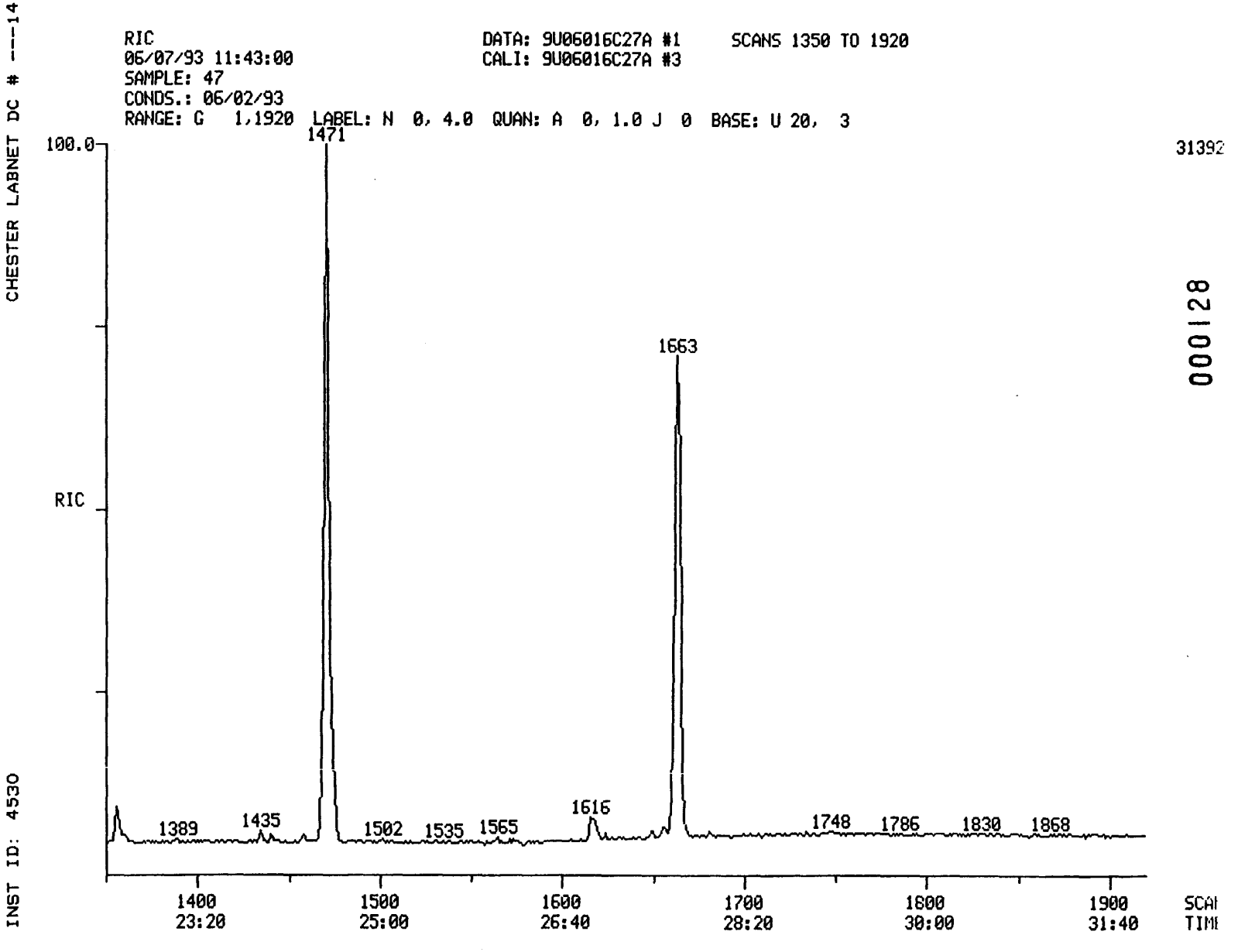
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000127

010609

010609



000128

010610

010610

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010611

SAMPLE ID.	47		
FILENAME	9U06016C27A	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/07/93 11:43:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	47.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT		RRT	ARE
458	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	940	MG/KG	1.000	140
633	CI40	NAPHTHALENE-D8 ** IS2 **	136	940	MG/KG	1.000	572
883	CI50	ACENAPHTHENE-D10 ** IS3 **	164	940	MG/KG	1.000	278
1091	CI60	PHENANTHRENE-D10 ** IS4 **	188	940	MG/KG	1.000	501
1471	CI70	CHRYSENE-D12 ** IS5 **	240	940	MG/KG	1.000	352
1663	CI75	PERYLENE-D12 ** IS6 **	264	940	MG/KG	1.000	322
636	C450	NAPHTHALENE	128	180	MG/KG	1.005	118
888	C550	ACENAPHTHENE	153	375	MG/KG	1.006	144
960	C590	FLUORENE	166	484	MG/KG	1.087	189
1094	C640	PHENANTHRENE	178	1824	MG/KG	1.003	1125
1100	C645	ANTHRACENE	178	386	MG/KG	1.008	225
1264	C655	FLUORANTHENE	202	839	MG/KG	1.159	498
1295	C715	PYRENE	202	555	MG/KG	0.880	316
1469	C730	BENZO(A)ANTHRACENE	228	115	MG/KG	0.999	56
1474	C740	CHRYSENE	228	106	MG/KG	1.002	43
1616	C765	BENZO(B)FLUORANTHENE	252	64	MG/KG	0.972	32
1655	C775	BENZO(A)PYRENE	252	30	MG/KG	0.995	11

*SURROGATES WERE DILUTED OUT

010612

CALIBRATIONS

CHESTER LABNET-HOUSTON

000130

010612

010613

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. -- CONTRACT LAB: CHESTER LABNET

CONTRACT NO. -- INSTRUMENT IDENTIFIER: 4530

CALIBRATION DATE: 06/02/93

STANDARD FILE: ES0604C02

DATE: 06/04/93 TIME: 08:23

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.837	1.871	1.891
C325	BIS(2-CHLOROETHYL)ETHE	1.675	1.729	3.251
C330	2-CHLOROPHENOL	1.466	1.465	-0.072
C335	1,3-DICHLOROBENZENE	1.523	1.503	-1.262
C340	1,4-DICHLOROBENZENE	1.609	1.589	-1.281
C345	BENZYL ALCOHOL	0.795	0.500	-37.115
C350	1,2-DICHLOROBENZENE	1.547	1.511	-2.356
C355	2-METHYLPHENOL	1.311	1.362	3.811
C357	2,2'-OXYBIS(1-CHLOROPR	2.093	2.064	-1.414
C365	4-METHYLPHENOL	1.422	1.454	2.279
C370	N-NITROSODIPROPYLAMINE	1.237	1.220	-1.340
C375	HEXACHLOROETHANE	0.609	0.606	-0.393
C410	NITROBENZENE	0.388	0.407	4.870
C415	ISOPHORONE	0.750	0.808	7.709
C420	2-NITROPHENOL	0.194	0.187	-3.704
C425	2,4-DIMETHYLPHENOL	0.274	0.270	-1.678
C430	BENZOIC ACID	0.150	0.220	47.018
C435	BIS(2-CHLOROETHOXY)MET	0.525	0.530	1.046
C440	2,4-DICHLOROPHENOL	0.256	0.263	2.465
C445	1,2,4-TRICHLOROBENZENE	0.299	0.288	-3.635
C450	NAPHTHALENE	1.077	1.033	-4.100
C455	4-CHLOROANILINE	0.404	0.382	-5.328
C460	HEXACHLOROBUTADIENE	0.153	0.145	-5.247
C465	P-CHLORO-M-CRESOL	0.302	0.326	8.052
C470	2-METHYLNAPHTHALENE	0.747	0.750	0.454
C510	HEXACHLOROCYCLOPENTADI	0.302	0.227	-24.705
C515	2,4,6-TRICHLOROPHENOL	0.514	0.456	-11.266
C520	2,4,5-TRICHLOROPHENOL	0.343	0.394	14.949
C525	2-CHLORONAPHTHALENE	1.332	1.269	-4.723
C530	2-NITROANILINE	0.465	0.507	8.973
C535	DIMETHYL PHTHALATE	1.603	1.566	-2.300
C540	ACENAPHTHYLENE	2.111	1.966	-6.864
C545	3-NITROANILINE	0.302	0.308	1.955
C550	ACENAPHTHENE	1.278	1.201	-6.007
C555	2,4-DINITROPHENOL	0.164	0.176	7.219
C560	4-NITROPHENOL	0.097	0.132	35.757
C565	DIBENZOFURAN	1.801	1.734	-3.687
C570	2,4-DINITROTOLUENE	0.412	0.430	4.205
C543	2,6-DINITROTOLUENE	0.344	0.333	-3.258
C580	DIETHYL PHTHALATE	1.687	1.640	-2.741
C585	4-CHLOROPHENYL PHENYL	0.741	0.667	-9.968
C590	FLUORENE	1.362	1.264	-7.229
C595	4-NITROANILINE	0.201	0.254	26.318
C610	4,6-DINITRO-2-METHYLPH	0.120	0.125	4.050
C615	N-NITROSODIPHENYLAMINE	0.547	0.493	-9.843
C625	4-BROMOPHENYL PHENYL E	0.225	0.202	-10.563
C630	HEXACHLOROBENZENE	0.234	0.213	-8.683
C635	PENTACHLOROPHENOL	0.129	0.127	-1.290
C640	PHENANTHRENE	1.229	1.121	-8.720
C645	ANTHRACENE	0.966	0.930	-3.667
C650	DI-N-BUTYL PHTHALATE	1.512	1.509	-0.246
C655	FLUORANTHENE	1.109	1.052	-5.149

010613

010614

C715	PYRENE	1.416	1.357	-4.114
C720	BUTYL BENZYL PHTHALATE	0.755	0.765	1.324
C725	3,3'-DICHLOROBENZIDINE	0.324	0.224	-30.848
C730	BENZO(A)ANTHRACENE	1.502	1.431	-4.756
C745	BIS(2-ETHYLHEXYL)PHTHA	1.162	1.188	2.280
C740	CHRYSENE	0.852	0.815	-4.310
C760	DI-N-OCTYL PHTHALATE	2.374	2.492	4.948
C765	BENZO(B)FLUORANTHENE	1.633	1.885	15.461
C770	BENZO(K)FLUORANTHENE	1.185	0.947	-20.085
C775	BENZO(A)PYRENE	1.193	1.106	-7.245
C780	INDENO(1,2,3-CD)PYRENE	1.150	1.176	2.233
C785	DIBENZO(A,H)ANTHRACENE	0.862	0.941	9.164
C790	BENZO(GHI)PERYLENE	1.005	0.945	-5.993
C310	N-NITROSODIMETHYLAMINE	1.160	1.169	0.785
C620	1,2-DIPHENYL-HYDRAZINE	1.047	1.053	0.620
C320	ANILINE	2.070	1.824	-11.882
CS50	2-FLUOROPHENOL ** SU1	1.433	1.597	11.476
CS45	PHENOL-D5 ** SU2 **	1.874	2.022	7.926
CS55	2,4,6-TRIBROMOPHENOL	0.175	0.178	1.630
CS20	NITROBENZENE-D5 ** SU3	0.369	0.416	12.462
CS25	2-FLUOROBIPHENYL **SU4	1.417	1.468	3.607
CS30	TERPHENYL-D14 ** SU6	1.179	1.229	4.275
CS70	2-CHLOROPHENOL-D4 ** S	1.849	1.967	6.369
CS75	1,2-DICHLOROBENZENE-D4	0.892	0.916	2.722
C647	CARBAZOLE	0.671	0.706	5.104
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.819	1.760	-3.223

010615

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0604C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 06/04/93 8:23:00 VERFIED BY

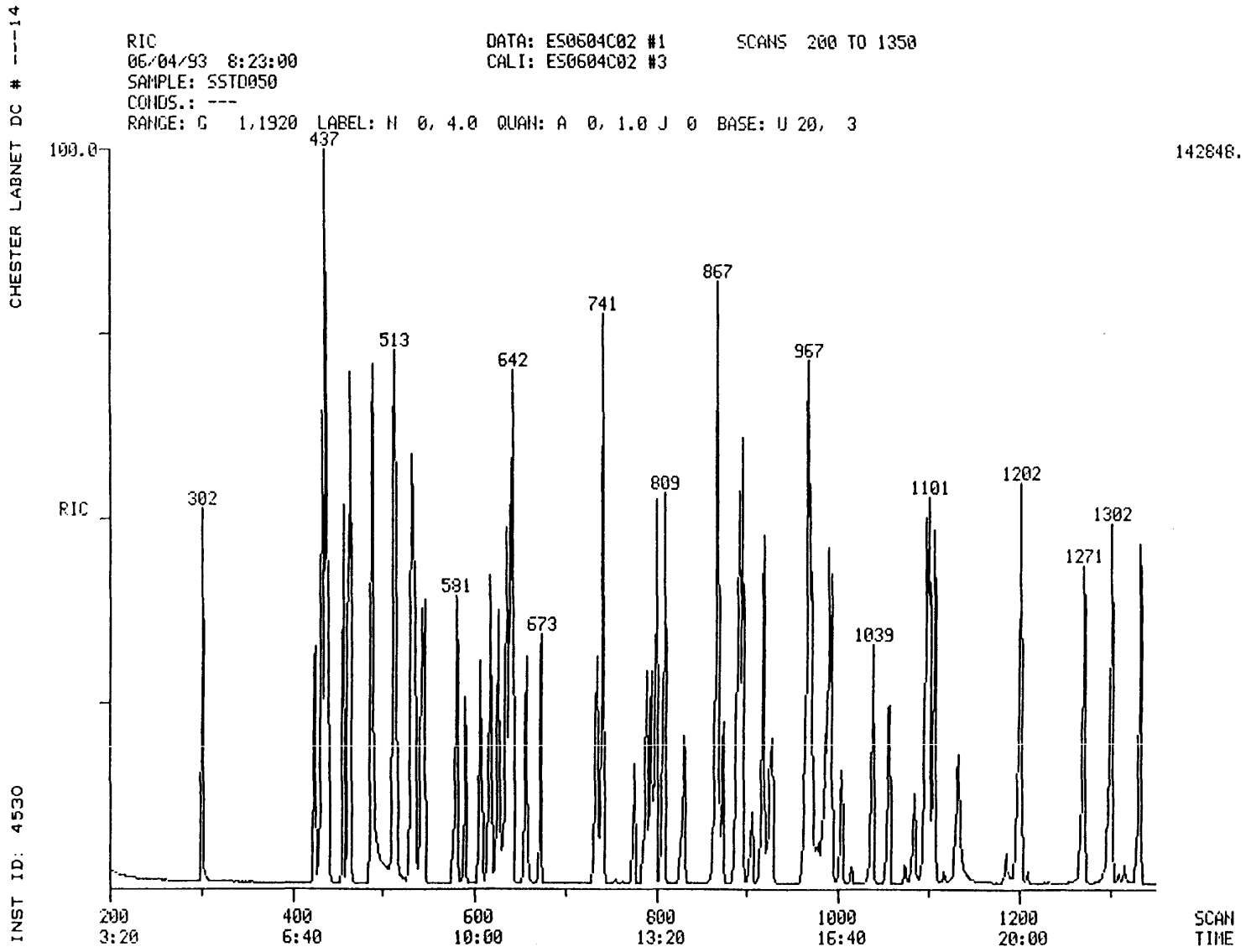
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	462	40	24985	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	640	40	92297	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	890	40	42821	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1098	40	75647	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1480	40	59966	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1674	40	48176	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	302	50	49883	0.654	1.597
CS45	PHENOL-D5 ** SU2 **		99	432	50	63157	0.935	2.022
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	1004	50	9531	1.128	0.178
CS20	NITROBENZENE-D5 ** SU3 **		82	543	50	47946	0.848	0.416
CS25	2-FLUOROBIPHENYL **SU4 **		172	800	50	78593	0.899	1.468
CS30	TERPHENYL-D14 ** SU6 **		244	1333	50	92153	0.901	1.229
C315	PHENOL	10A	94	433	50	58442	0.937	1.871
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	437	50	54008	0.946	1.729
C330	2-CHLOROPHENOL	1A	128	439	50	45741	0.950	1.465
C335	1,3-DICHLOROBENZENE	21B	146	456	50	46951	0.987	1.503
C340	1,4-DICHLOROBENZENE	22B	146	464	50	49618	1.004	1.589
C345	BENZYL ALCOHOL		108	491	50	15613	1.063	0.500
C350	1,2-DICHLOROBENZENE	20B	146	489	50	47176	1.058	1.511
C355	2-METHYLPHENOL		108	513	50	42521	1.110	1.362
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	512	50	64446	1.108	2.064
C365	4-METHYLPHENOL		108	534	50	45418	1.156	1.454
C370	N-NITROSODIPROPYLAMINE	42B	70	532	50	38104	1.152	1.220
C375	HEXACHLOROETHANE	36B	117	531	50	18933	1.149	0.606
C410	NITROBENZENE	40B	77	545	50	46961	0.852	0.407
C415	ISOPHORONE	38B	82	581	50	93251	0.908	0.808
C420	2-NITROPHENOL	6A	139	590	50	21527	0.922	0.187
C425	2,4-DIMETHYLPHENOL	3A	107	607	50	31098	0.948	0.270
C430	BENZOIC ACID		122	636	50	25424	0.994	0.220
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	618	50	61168	0.966	0.530
C440	2,4-DICHLOROPHENOL	2A	162	626	50	30300	0.978	0.263
C445	1,2,4-TRICHLOROBENZENE	46B	180	636	50	33189	0.994	0.288
C450	NAPHTHALENE	39B	128	642	50	119143	1.003	1.033
C455	4-CHLOROANILINE		127	657	50	44103	1.027	0.382
C460	HEXACHLOROBUTADIENE	34B	225	672	50	16700	1.050	0.145
C465	P-CHLORO-M-CRESOL	8A	107	734	50	37649	1.147	0.326
C470	2-METHYLNAPHTHALENE		142	741	50	86575	1.158	0.750
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	775	50	12176	0.871	0.227
C515	2,4,6-TRICHLOROPHENOL	11A	196	788	50	24406	0.885	0.456
C520	2,4,5-TRICHLOROPHENOL		196	794	50	21109	0.892	0.394
C525	2-CHLORONAPHTHALENE	16B	162	809	50	67924	0.909	1.269
C530	2-NITROANILINE		65	831	50	27121	0.934	0.507
C535	DIMETHYL PHTHALATE	25B	163	867	50	83848	0.974	1.566
C540	ACENAPHTHYLENE	2B	152	867	50	105240	0.974	1.966
C545	3-NITROANILINE		138	892	50	16489	1.002	0.308
C550	ACENAPHTHENE	1B	153	895	50	64281	1.006	1.201

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

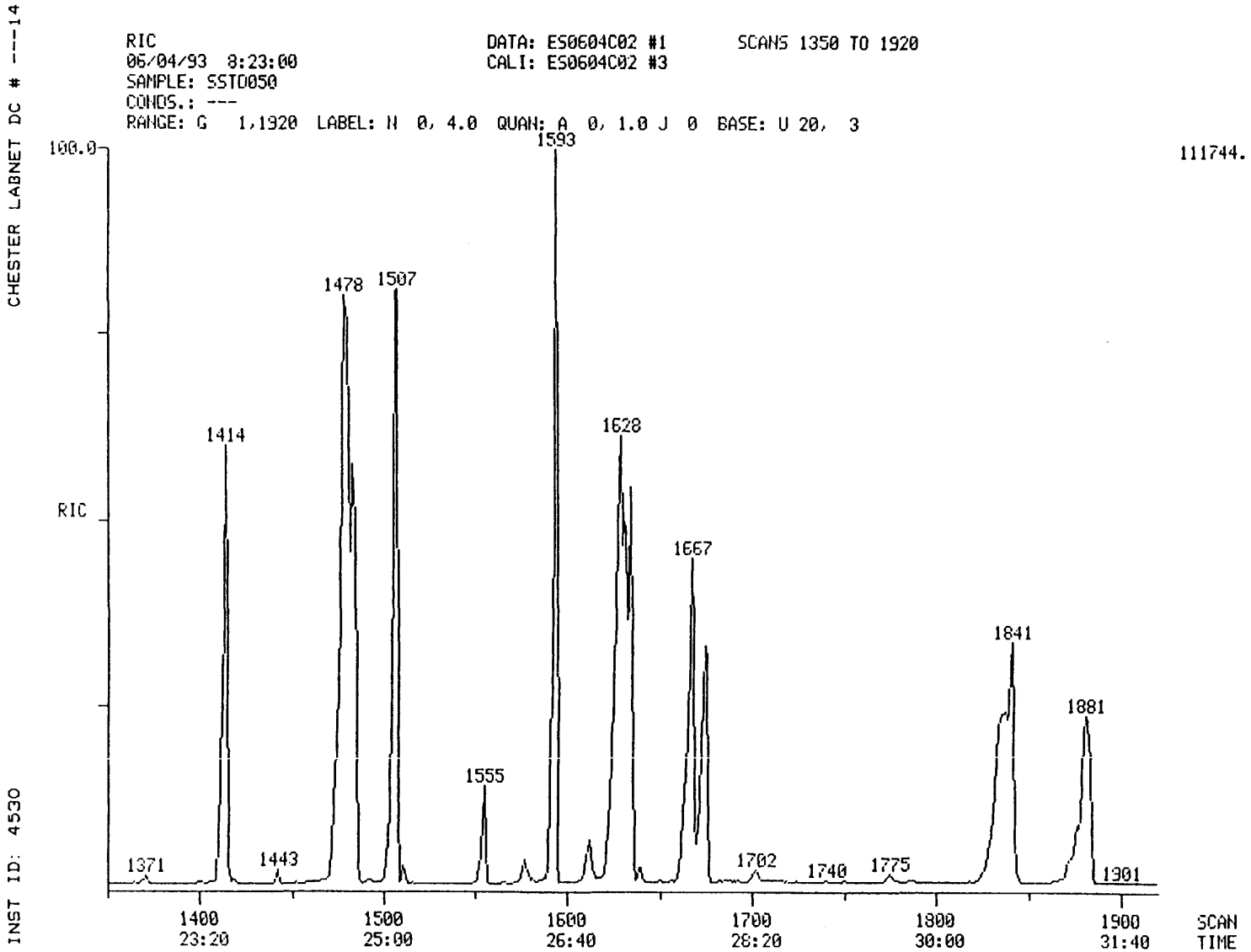
DATAFILE ES0604C02

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	905	50	9438	1.017	0.176
C560	4-NITROPHENOL	7A	109	925	50	7048	1.039	0.132
C565	DIBENZOFURAN		168	918	50	92828	1.031	1.734
C570	2,4-DINITROTOLUENE	27B	165	928	50	23008	1.043	0.430
C543	2,6-DINITROTOLUENE	28B	165	873	50	17819	0.981	0.333
C580	DIETHYL PHTHALATE	24B	149	969	50	87799	1.089	1.640
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	971	50	35719	1.091	0.667
C590	FLUORENE	32B	166	966	50	67639	1.085	1.264
C595	4-NITROANILINE		138	978	50	13576	1.099	0.254
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	985	50	11853	0.897	0.125
C615	N-NITROSODIPHENYLAMINE	43B	169	990	50	46649	0.902	0.493
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1039	50	19055	0.946	0.202
C630	HEXACHLOROBENZENE	33B	284	1056	50	20185	0.962	0.213
C635	PENTACHLOROPHENOL	9A	266	1084	50	12015	0.987	0.127
C640	PHENANTHRENE	44B	178	1101	50	106033	1.003	1.121
C645	ANTHRACENE	3B	178	1107	50	87948	1.008	0.930
C650	DI-N-BUTYL PHTHALATE	26B	149	1202	50	142658	1.095	1.509
C655	FLUORANTHENE	31B	202	1271	50	99443	1.158	1.052
C715	PYRENE	45B	202	1302	50	101745	0.880	1.357
C720	BUTYL BENZYL PHTHALATE	15B	149	1414	50	57350	0.955	0.765
C725	3,3'-DICHLOROBENZIDINE	23B	252	1480	50	16787	1.000	0.224
C730	BENZO(A)ANTHRACENE	5B	228	1478	50	107228	0.999	1.431
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1506	50	89062	1.018	1.188
C740	CHRYSENE	18B	228	1483	50	61079	1.002	0.815
C760	DI-N-OCTYL PHTHALATE	29B	149	1593	50	150049	0.952	2.492
C765	BENZO(B)FLUORANTHENE	7B	252	1628	50	113535	0.973	1.885
C770	BENZO(K)FLUORANTHENE	9B	252	1630	50	57041	0.974	0.947
C775	BENZO(A)PYRENE	6B	252	1667	50	66611	0.996	1.106
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1835	50	70810	1.096	1.176
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1841	50	56655	1.100	0.941
C790	BENZO(GHI)PERYLENE	8B	276	1881	50	56904	1.124	0.945
C310	N-NITROSODIMETHYLAMINE	41B	74	156	50	36511	0.338	1.169
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	437	50	61419	0.946	1.967
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	487	50	28605	1.054	0.916
C647	CARBAZOLE		167	1133	50	66732	1.032	0.706
C320	ANILINE		93	425	50	56977	0.920	1.824
A950	PYRIDINE		79	157	50	54967	0.340	1.760
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	993	50	99598	0.904	1.053



000135

010617



000136

010618

010618

010619

Quantitation Report File: ES0604C02

Data: ES0604C02.TI
06/04/93 8:23:00
Sample: SSTD050
Conds.: ---
Formula: -- 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

010620

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	462	7:42	1	1.000	A BB	24985.	40.000 UG/L	0.97
2	136	640	10:40	2	1.000	A BB	92297.	40.000 UG/L	0.97
3	164	890	14:50	3	1.000	A BB	42821.	40.000 UG/L	0.97
4	188	1098	18:18	4	1.000	A BB	75647.	40.000 UG/L	0.97
5	240	1480	24:40	5	1.000	A BB	59966.	40.000 UG/L	0.97
6	264	1674	27:54	6	1.000	A BB	48176.	40.000 UG/L	0.97
7	112	302	5:02	1	0.654	A BB	49883.	50.000 UG/L	1.21
8	99	432	7:12	1	0.935	A BV	63157.	50.000 UG/L	1.21
9	330	1004	16:44	3	1.128	A BB	9531.	50.000 UG/L	1.21
10	82	543	9:03	2	0.848	A BB	47946.	50.000 UG/L	1.21
11	172	800	13:20	3	0.899	A BB	78593.	50.000 UG/L	1.21
12	244	1333	22:13	5	0.901	A VB	92153.	50.000 UG/L	1.21
13	94	433	7:13	1	0.937	A BB	58442.	50.000 UG/L	1.21
14	93	437	7:17	1	0.946	A VB	54008.	50.000 UG/L	1.21
15	128	439	7:19	1	0.950	A BB	45741.	50.000 UG/L	1.21
16	146	456	7:36	1	0.987	M XX	46951.	50.000 UG/L	1.21
17	146	464	7:44	1	1.004	A VB	49618.	50.000 UG/L	1.21
18	108	491	8:11	1	1.063	A BB	15613.	50.000 UG/L	1.21
19	146	489	8:09	1	1.058	A BB	47176.	50.000 UG/L	1.21
20	108	513	8:33	1	1.110	A BB	42521.	50.000 UG/L	1.21
21	45	512	8:32	1	1.108	A BB	64446.	50.000 UG/L	1.21
22	108	534	8:54	1	1.156	A BB	45418.	50.000 UG/L	1.21
23	70	532	8:52	1	1.152	A BB	38104.	50.000 UG/L	1.21
24	117	531	8:51	1	1.149	A BB	18933.	50.000 UG/L	1.21
25	77	545	9:05	2	0.852	A VB	46961.	50.000 UG/L	1.21
26	82	581	9:41	2	0.908	A BV	93251.	50.000 UG/L	1.21
27	139	590	9:50	2	0.922	A BB	21527.	50.000 UG/L	1.21
28	107	607	10:07	2	0.948	A BB	31098.	50.000 UG/L	1.21
29	122	636	10:36	2	0.994	A BB	25424.	50.000 UG/L	1.21
30	93	618	10:18	2	0.966	A BB	61168.	50.000 UG/L	1.21
31	162	626	10:26	2	0.978	A BB	30300.	50.000 UG/L	1.21
32	180	636	10:36	2	0.994	A BB	33189.	50.000 UG/L	1.21
33	128	642	10:42	2	1.003	A BB	119143.	50.000 UG/L	1.21
34	127	657	10:57	2	1.027	A BB	44103.	50.000 UG/L	1.21
35	225	672	11:12	2	1.050	A BB	16700.	50.000 UG/L	1.21
36	107	734	12:14	2	1.147	A BB	37649.	50.000 UG/L	1.21
37	142	741	12:21	2	1.158	A VB	86575.	50.000 UG/L	1.21
38	237	775	12:55	3	0.871	A BB	12176.	50.000 UG/L	1.21
39	196	788	13:08	3	0.885	M XX	24406.	50.000 UG/L	1.21
40	196	794	13:14	3	0.892	A VB	21109.	50.000 UG/L	1.21
41	162	809	13:29	3	0.909	A BB	67924.	50.000 UG/L	1.21
42	65	831	13:51	3	0.934	A BB	27121.	50.000 UG/L	1.21
43	163	867	14:27	3	0.974	A BB	83848.	50.000 UG/L	1.21
44	152	867	14:27	3	0.974	A BB	105240.	50.000 UG/L	1.21
45	138	892	14:52	3	1.002	A BB	16489.	50.000 UG/L	1.21
46	153	895	14:55	3	1.006	A BB	64281.	50.000 UG/L	1.21
47	184	905	15:05	3	1.017	A BB	9438.	50.000 UG/L	1.21
48	109	925	15:25	3	1.039	A BB	7048.	50.000 UG/L	1.21
49	168	918	15:18	3	1.031	A BB	92828.	50.000 UG/L	1.21
50	165	928	15:28	3	1.043	A BB	23008.	50.000 UG/L	1.21

010621

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	7:42	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	10:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	14:50	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	18:18	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	24:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	27:54	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	5:02	1.00	0.654	1.00	50.00	50.00	1.597	1.597	1.00
8	7:12	1.00	0.935	1.00	50.00	50.00	2.022	2.022	1.00
9	16:44	1.00	1.128	1.00	50.00	50.00	0.178	0.178	1.00
10	9:03	1.00	0.848	1.00	50.00	50.00	0.416	0.416	1.00
11	13:20	1.00	0.899	1.00	50.00	50.00	1.468	1.468	1.00
12	22:13	1.00	0.901	1.00	50.00	50.00	1.229	1.229	1.00
13	7:13	1.00	0.937	1.00	50.00	50.00	1.871	1.871	1.00
14	7:17	1.00	0.946	1.00	50.00	50.00	1.729	1.729	1.00
15	7:19	1.00	0.950	1.00	50.00	50.00	1.465	1.465	1.00
16	7:36	1.00	0.987	1.00	50.00	50.00	1.503	1.503	1.00
17	7:44	1.00	1.004	1.00	50.00	50.00	1.589	1.589	1.00
18	8:11	1.00	1.063	1.00	50.00	50.00	0.500	0.500	1.00
19	8:09	1.00	1.058	1.00	50.00	50.00	1.511	1.511	1.00
20	8:33	1.00	1.110	1.00	50.00	50.00	1.362	1.362	1.00
21	8:32	1.00	1.108	1.00	50.00	50.00	2.064	2.064	1.00
22	8:54	1.00	1.156	1.00	50.00	50.00	1.454	1.454	1.00
23	8:52	1.00	1.152	1.00	50.00	50.00	1.220	1.220	1.00
24	8:51	1.00	1.149	1.00	50.00	50.00	0.606	0.606	1.00
25	9:05	1.00	0.852	1.00	50.00	50.00	0.407	0.407	1.00
26	9:41	1.00	0.908	1.00	50.00	50.00	0.808	0.808	1.00
27	9:50	1.00	0.922	1.00	50.00	50.00	0.187	0.187	1.00
28	10:07	1.00	0.948	1.00	50.00	50.00	0.270	0.270	1.00
29	10:36	1.00	0.994	1.00	50.00	50.00	0.220	0.220	1.00
30	10:18	1.00	0.966	1.00	50.00	50.00	0.530	0.530	1.00
31	10:26	1.00	0.978	1.00	50.00	50.00	0.263	0.263	1.00
32	10:36	1.00	0.994	1.00	50.00	50.00	0.288	0.288	1.00
33	10:42	1.00	1.003	1.00	50.00	50.00	1.033	1.033	1.00
34	10:57	1.00	1.027	1.00	50.00	50.00	0.382	0.382	1.00
35	11:12	1.00	1.050	1.00	50.00	50.00	0.145	0.145	1.00
36	12:14	1.00	1.147	1.00	50.00	50.00	0.326	0.326	1.00
37	12:21	1.00	1.158	1.00	50.00	50.00	0.750	0.750	1.00
38	12:55	1.00	0.871	1.00	50.00	50.00	0.227	0.227	1.00
39	13:08	1.00	0.885	1.00	50.00	50.00	0.456	0.456	1.00
40	13:14	1.00	0.892	1.00	50.00	50.00	0.394	0.394	1.00
41	13:29	1.00	0.909	1.00	50.00	50.00	1.269	1.269	1.00
42	13:51	1.00	0.934	1.00	50.00	50.00	0.507	0.507	1.00
43	14:27	1.00	0.974	1.00	50.00	50.00	1.566	1.566	1.00
44	14:27	1.00	0.974	1.00	50.00	50.00	1.966	1.966	1.00
45	14:52	1.00	1.002	1.00	50.00	50.00	0.308	0.308	1.00
46	14:55	1.00	1.006	1.00	50.00	50.00	1.201	1.201	1.00
47	15:05	1.00	1.017	1.00	50.00	50.00	0.176	0.176	1.00
48	15:25	1.00	1.039	1.00	50.00	50.00	0.132	0.132	1.00
49	15:18	1.00	1.031	1.00	50.00	50.00	1.734	1.734	1.00
50	15:28	1.00	1.043	1.00	50.00	50.00	0.430	0.430	1.00

010621

010622

Quantitation Report File: ES0604C02

Data: ES0604C02.TI
06/04/93 8:23:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	873	14:33	3	0.981	A BB	17819.	50.000 UG/L	1.21
52	149	969	16:09	3	1.089	A BB	87799.	50.000 UG/L	1.21
53	204	971	16:11	3	1.091	A BB	35719.	50.000 UG/L	1.21
54	166	966	16:06	3	1.085	A BB	67639.	50.000 UG/L	1.21
55	138	978	16:18	3	1.099	A VB	13576.	50.000 UG/L	1.21
56	198	985	16:25	4	0.897	A BB	11853.	50.000 UG/L	1.21
57	169	990	16:30	4	0.902	A BB	46649.	50.000 UG/L	1.21
58	248	1039	17:19	4	0.946	A BB	19055.	50.000 UG/L	1.21
59	284	1056	17:36	4	0.962	A BB	20185.	50.000 UG/L	1.21

010623

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	1084	18:04	4	0.987	A BB	12015.	50.000 UG/L	1.21
61	178	1101	18:21	4	1.003	M XX	106033.	50.000 UG/L	1.21
62	178	1107	18:27	4	1.008	A VB	87948.	50.000 UG/L	1.21
63	149	1202	20:02	4	1.095	A VB	142658.	50.000 UG/L	1.21
64	202	1271	21:11	4	1.158	A BB	99443.	50.000 UG/L	1.21
65	202	1302	21:42	5	0.880	A BB	101745.	50.000 UG/L	1.21
66	149	1414	23:34	5	0.955	A VB	57350.	50.000 UG/L	1.21
67	252	1480	24:40	5	1.000	A BB	16787.	50.000 UG/L	1.21
68	228	1478	24:38	5	0.999	M XX	107228.	50.000 UG/L	1.21
69	149	1506	25:06	5	1.018	A VB	89062.	50.000 UG/L	1.21
70	228	1483	24:43	5	1.002	M XX	61079.	50.000 UG/L	1.21
71	149	1593	26:33	6	0.952	A VB	150049.	50.000 UG/L	1.21
72	252	1628	27:08	6	0.973	M XX	113535.	50.000 UG/L	1.21
73	252	1630	27:10	6	0.974	M XX	57041.	50.000 UG/L	1.21
74	252	1667	27:47	6	0.996	A BB	66611.	50.000 UG/L	1.21
75	276	1835	30:35	6	1.096	A BB	70810.	50.000 UG/L	1.21
76	278	1841	30:41	6	1.100	A BB	56655.	50.000 UG/L	1.21
77	276	1881	31:21	6	1.124	A BB	56904.	50.000 UG/L	1.21
78	74	156	2:36	1	0.338	A BV	36511.	50.000 UG/L	1.21
79	132	437	7:17	1	0.946	A BB	61419.	50.000 UG/L	1.21
80	152	487	8:07	1	1.054	A BB	28605.	50.000 UG/L	1.21
81	167	1133	18:53	4	1.032	A BB	66731.	50.000 UG/L	1.21
82	93	425	7:05	1	0.920	M XX	56977.	50.000 UG/L	1.21
83	79	157	2:37	1	0.340	A BB	54967.	50.000 UG/L	1.21
84	77	993	16:33	4	0.904	A BB	99598.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	14:33	1.00	0.981	1.00	50.00	50.00	0.333	0.333	1.00
52	16:09	1.00	1.089	1.00	50.00	50.00	1.640	1.640	1.00
53	16:11	1.00	1.091	1.00	50.00	50.00	0.667	0.667	1.00
54	16:06	1.00	1.085	1.00	50.00	50.00	1.264	1.264	1.00
55	16:18	1.00	1.099	1.00	50.00	50.00	0.254	0.254	1.00
56	16:25	1.00	0.897	1.00	50.00	50.00	0.125	0.125	1.00
57	16:30	1.00	0.902	1.00	50.00	50.00	0.493	0.493	1.00
58	17:19	1.00	0.946	1.00	50.00	50.00	0.202	0.202	1.00
59	17:36	1.00	0.962	1.00	50.00	50.00	0.213	0.213	1.00
60	18:04	1.00	0.987	1.00	50.00	50.00	0.127	0.127	1.00
61	18:21	1.00	1.003	1.00	50.00	50.00	1.121	1.121	1.00
62	18:27	1.00	1.008	1.00	50.00	50.00	0.930	0.930	1.00
63	20:02	1.00	1.095	1.00	50.00	50.00	1.509	1.509	1.00
64	21:11	1.00	1.158	1.00	50.00	50.00	1.052	1.052	1.00
65	21:42	1.00	0.880	1.00	50.00	50.00	1.357	1.357	1.00
66	23:34	1.00	0.955	1.00	50.00	50.00	0.765	0.765	1.00
67	24:40	1.00	1.000	1.00	50.00	50.00	0.224	0.224	1.00
68	24:38	1.00	0.999	1.00	50.00	50.00	1.431	1.431	1.00
69	25:06	1.00	1.018	1.00	50.00	50.00	1.188	1.188	1.00
70	24:43	1.00	1.002	1.00	50.00	50.00	0.815	0.815	1.00
71	26:33	1.00	0.952	1.00	50.00	50.00	2.492	2.492	1.00
72	27:08	1.00	0.973	1.00	50.00	50.00	1.885	1.885	1.00
73	27:10	1.00	0.974	1.00	50.00	50.00	0.947	0.947	1.00
74	27:47	1.00	0.996	1.00	50.00	50.00	1.106	1.106	1.00
75	30:35	1.00	1.096	1.00	50.00	50.00	1.176	1.176	1.00
76	30:41	1.00	1.100	1.00	50.00	50.00	0.941	0.941	1.00
77	31:21	1.00	1.124	1.00	50.00	50.00	0.945	0.945	1.00
78	2:36	1.00	0.338	1.00	50.00	50.00	1.169	1.169	1.00
79	7:17	1.00	0.946	1.00	50.00	50.00	1.967	1.967	1.00

010623

010624

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	8:07	1.00	1.054	1.00	50.00	50.00	0.916	0.916	1.00
81	18:53	1.00	1.032	1.00	50.00	50.00	0.706	0.706	1.00
82	7:05	1.00	0.920	1.00	50.00	50.00	1.824	1.824	1.00
83	2:37	1.00	0.340	1.00	50.00	50.00	1.760	1.760	1.00
84	16:33	1.00	0.904	1.00	50.00	50.00	1.053	1.053	1.00

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. --
CONTRACT LAB: CHESTER LABNET
CONTRACT NO. --
INSTRUMENT IDENTIFIER: 4530
CALIBRATION DATE: 06/02/93
STANDARD FILE: ES0607C02
DATE: 06/07/93 TIME: 7:52
MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.837	1.985	8.088
C325	BIS(2-CHLOROETHYL)ETHE	1.675	1.787	6.702
C330	2-CHLOROPHENOL	1.466	1.560	6.440
C335	1,3-DICHLOROBENZENE	1.523	1.638	7.579
C340	1,4-DICHLOROBENZENE	1.609	1.693	5.217
C345	BENZYL ALCOHOL	0.795	0.592	-25.497
C350	1,2-DICHLOROBENZENE	1.547	1.596	3.141
C355	2-METHYLPHENOL	1.311	1.339	2.102
C357	2,2'-OXYBIS(1-CHLOROPR	2.093	2.178	4.050
C365	4-METHYLPHENOL	1.422	1.389	-2.339
C370	N-NITROSODIPROPYLAMINE	1.237	1.214	-1.821
C375	HEXACHLOROETHANE	0.609	0.630	3.577
C410	NITROBENZENE	0.388	0.431	11.144
C415	ISOPHORONE	0.750	0.765	2.006
C420	2-NITROPHENOL	0.194	0.181	-6.730
C425	2,4-DIMETHYLPHENOL	0.274	0.339	23.429
C430	BENZOIC ACID	0.150	0.134	-10.764
C435	BIS(2-CHLOROETHOXY)MET	0.525	0.519	-1.144
C440	2,4-DICHLOROPHENOL	0.256	0.251	-2.139
C445	1,2,4-TRICHLOROBENZENE	0.299	0.297	-0.652
C450	NAPHTHALENE	1.077	1.080	0.298
C455	4-CHLOROANILINE	0.404	0.265	-34.432
C460	HEXACHLOROBUTADIENE	0.153	0.151	-0.941
C465	P-CHLORO-M-CRESOL	0.302	0.305	1.082
C470	2-METHYLNAPHTHALENE	0.747	0.775	3.768
C510	HEXACHLOROCYCLOPENTADI	0.302	0.405	33.806
C515	2,4,6-TRICHLOROPHENOL	0.514	0.392	-23.685
C520	2,4,5-TRICHLOROPHENOL	0.343	0.435	26.819
C525	2-CHLORONAPHTHALENE	1.332	1.358	1.993
C530	2-NITROANILINE	0.465	0.507	9.070
C535	DIMETHYL PHTHALATE	1.603	1.569	-2.145
C540	ACENAPHTHYLENE	2.111	2.147	1.724
C545	3-NITROANILINE	0.302	0.139	-53.767
C550	ACENAPHTHENE	1.278	1.302	1.911
C555	2,4-DINITROPHENOL	0.164	0.109	-33.498
C560	4-NITROPHENOL	0.097	0.090	-6.945
C565	DIBENZOFURAN	1.801	1.899	5.440
C570	2,4-DINITROTOLUENE	0.412	0.413	0.073
C543	2,6-DINITROTOLUENE	0.344	0.325	-5.506
C580	DIETHYL PHTHALATE	1.687	1.641	-2.686
C585	4-CHLOROPHENYL PHENYL	0.741	0.690	-6.898
C590	FLUORENE	1.362	1.321	-3.026
C595	4-NITROANILINE	0.201	0.172	-14.429
C610	4,6-DINITRO-2-METHYLPH	0.120	0.100	-17.165
C615	N-NITROSODIPHENYLAMINE	0.547	0.526	-3.842
C625	4-BROMOPHENYL PHENYL E	0.225	0.215	-4.567
C630	HEXACHLOROBENZENE	0.234	0.234	0.023
C635	PENTACHLOROPHENOL	0.129	0.110	-14.417
C640	PHENANTHRENE	1.229	1.157	-5.852
C645	ANTHRACENE	0.966	1.096	13.518
C650	DI-N-BUTYL PHTHALATE	1.512	1.565	3.479

010626

C715	PYRENE	1.416	1.521	7.456
C720	BUTYL BENZYL PHTHALATE	0.755	0.744	-1.505
C725	3,3'-DICHLOROBENZIDINE	0.324	0.182	-43.875
C730	BENZO(A)ANTHRACENE	1.502	1.301	-13.383
C745	BIS(2-ETHYLHEXYL)PHTHA	1.162	1.181	1.671
C740	CHRYSENE	0.852	1.090	27.949
C760	DI-N-OCTYL PHTHALATE	2.374	2.337	-1.571
C765	BENZO(B)FLUORANTHENE	1.633	1.478	-9.491
C770	BENZO(K)FLUORANTHENE	1.185	1.345	13.488
C775	BENZO(A)PYRENE	1.193	1.105	-7.326
C780	INDENO(1,2,3-CD)PYRENE	1.150	1.029	-10.562
C785	DIBENZO(A,H)ANTHRACENE	0.862	0.754	-12.524
C790	BENZO(GHI)PERYLENE	1.005	0.834	-17.028
C310	N-NITROSODIMETHYLAMINE	1.160	1.400	20.658
C620	1,2-DIPHENYL-HYDRAZINE	1.047	1.154	10.193
C320	ANILINE	2.070	2.298	11.000
CS50	2-FLUOROPHENOL ** SU1	1.433	1.692	18.081
CS45	PHENOL-D5 ** SU2 **	1.874	2.076	10.775
CS55	2,4,6-TRIBROMOPHENOL	0.175	0.171	-2.479
CS20	NITROBENZENE-D5 ** SU3	0.369	0.429	16.209
CS25	2-FLUOROBIPHENYL **SU4	1.417	1.543	8.854
CS30	TERPHENYL-D14 ** SU6	1.179	1.337	13.383
CS70	2-CHLOROPHENOL-D4 ** S	1.849	2.049	10.817
CS75	1,2-DICHLOROBENZENE-D4	0.892	0.978	9.666
C647	CARBAZOLE	0.671	0.601	-10.526
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.819	1.908	4.924

010626

010627

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0607C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 06/07/93 7:52:00 VERFIED BY

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	460	40	18397	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	638	40	71093	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	889	40	30447	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1097	40	51335	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1478	40	38448	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1669	40	32129	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	297	50	38907	0.646	1.692
CS45	PHENOL-D5 ** SU2 **		99	428	50	47732	0.930	2.076
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	1003	50	6502	1.128	0.171
CS20	NITROBENZENE-D5 ** SU3 **		82	541	50	38163	0.848	0.429
CS25	2-FLUOROBIPHENYL **SU4 **		172	799	50	58713	0.899	1.543
CS30	TERPHENYL-D14 ** SU6 **		244	1333	50	64248	0.902	1.337
C315	PHENOL	10A	94	430	50	45650	0.935	1.985
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	434	50	41097	0.943	1.787
C330	2-CHLOROPHENOL	1A	128	436	50	35876	0.948	1.560
C335	1,3-DICHLOROBENZENE	21B	146	454	50	37668	0.987	1.638
C340	1,4-DICHLOROBENZENE	22B	146	462	50	38941	1.004	1.693
C345	BENZYL ALCOHOL		108	487	50	13622	1.059	0.592
C350	1,2-DICHLOROBENZENE	20B	146	487	50	36693	1.059	1.596
C355	2-METHYLPHENOL		108	510	50	30794	1.109	1.339
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	511	50	50084	1.111	2.178
C365	4-METHYLPHENOL		108	532	50	31931	1.157	1.389
C370	N-NITROSODIPROPYLAMINE	42B	70	529	50	27920	1.150	1.214
C375	HEXACHLOROETHANE	36B	117	530	50	14497	1.152	0.630
C410	NITROBENZENE	40B	77	543	50	38339	0.851	0.431
C415	ISOPHORONE	38B	82	579	50	68022	0.908	0.765
C420	2-NITROPHENOL	6A	139	589	50	16059	0.923	0.181
C425	2,4-DIMETHYLPHENOL	3A	107	605	50	30082	0.948	0.339
C430	BENZOIC ACID		122	627	50	11869	0.983	0.134
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	617	50	46093	0.967	0.519
C440	2,4-DICHLOROPHENOL	2A	162	625	50	22288	0.980	0.251
C445	1,2,4-TRICHLOROBENZENE	46B	180	634	50	26357	0.994	0.297
C450	NAPHTHALENE	39B	128	641	50	95983	1.005	1.080
C455	4-CHLOROANILINE		127	657	50	23514	1.030	0.265
C460	HEXACHLOROBUTADIENE	34B	225	672	50	13450	1.053	0.151
C465	P-CHLORO-M-CRESOL	8A	107	733	50	27126	1.149	0.305
C470	2-METHYLNAPHTHALENE		142	740	50	68887	1.160	0.775
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	775	50	15400	0.872	0.405
C515	2,4,6-TRICHLOROPHENOL	11A	196	788	50	14922	0.886	0.392
C520	2,4,5-TRICHLOROPHENOL		196	793	50	16561	0.892	0.435
C525	2-CHLORONAPHTHALENE	16B	162	808	50	51702	0.909	1.358
C530	2-NITROANILINE		65	831	50	19301	0.935	0.507
C535	DIMETHYL PHTHALATE	25B	163	866	50	59713	0.974	1.569
C540	ACENAPHTHYLENE	2B	152	867	50	81731	0.975	2.147
C545	3-NITROANILINE		138	893	50	5306	1.004	0.139
C550	ACENAPHTHENE	1B	153	894	50	49558	1.006	1.302

000145

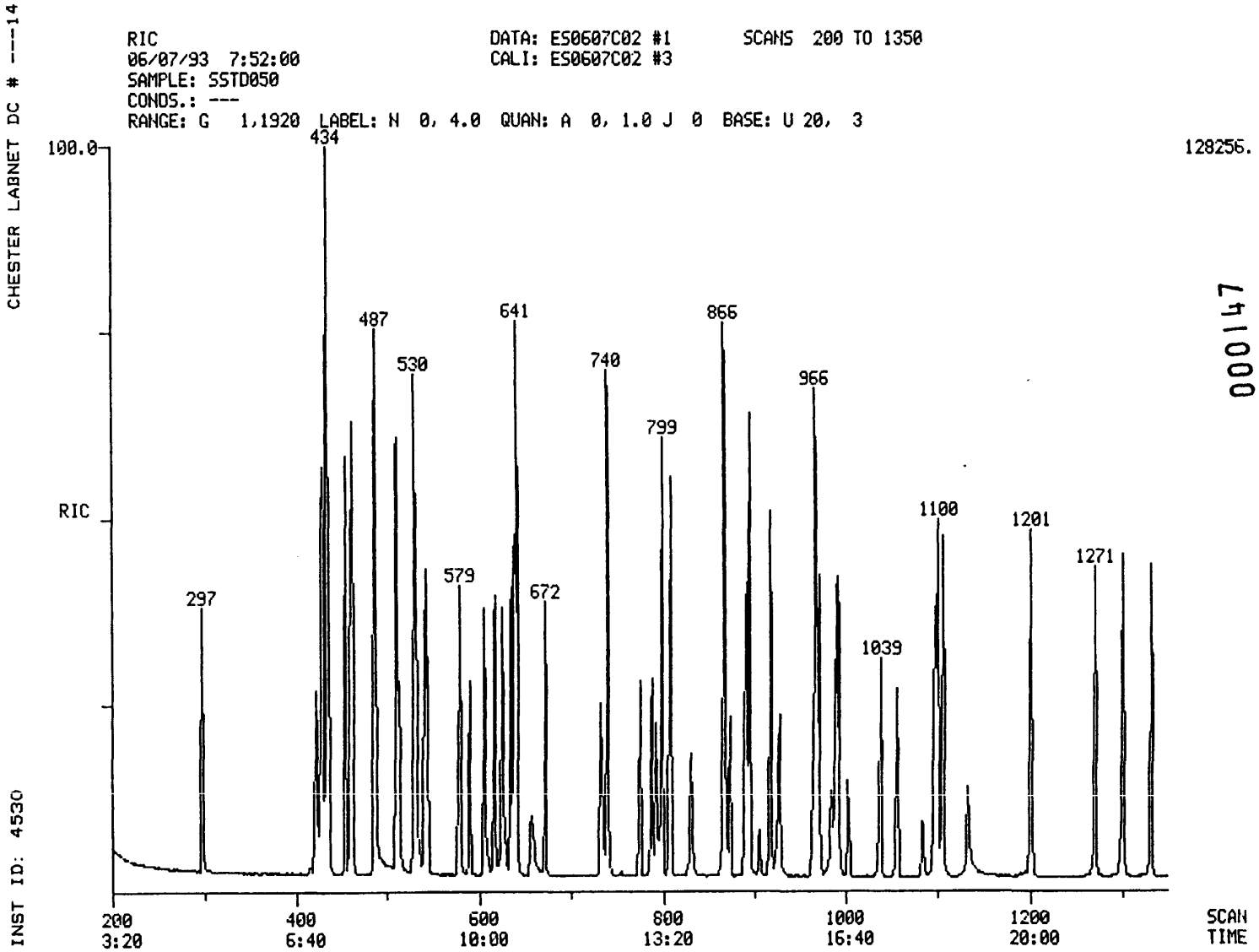
010628

CHESTER LABNET DC # ----17

SV STANDARD REPORT PAGE 2

DATAFILE ES0607C02

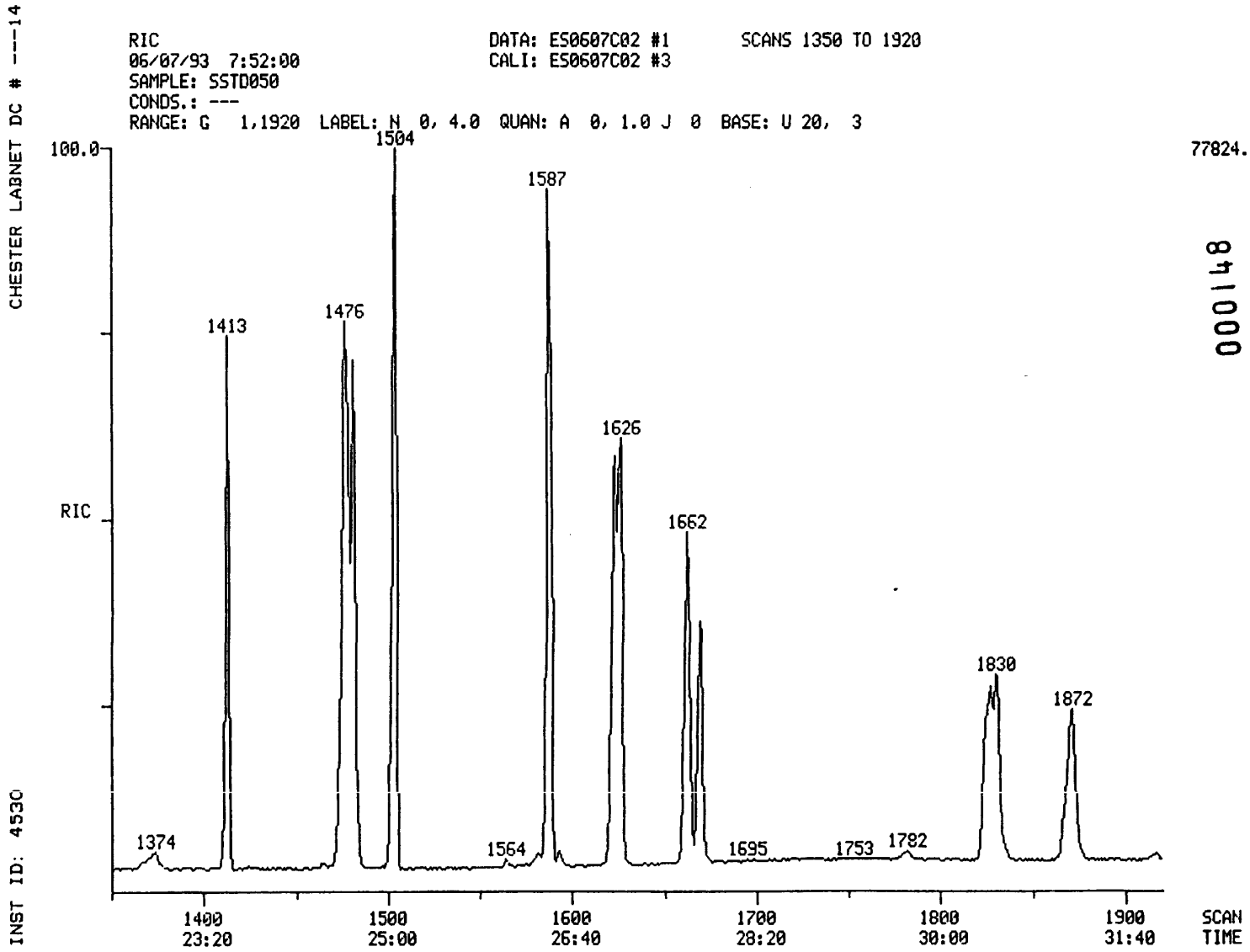
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	905	50	4155	1.018	0.109
C560	4-NITROPHENOL	7A	109	924	50	3429	1.039	0.090
C565	DIBENZOFURAN		168	917	50	72261	1.031	1.899
C570	2,4-DINITROTOLUENE	27B	165	927	50	15710	1.043	0.413
C543	2,6-DINITROTOLUENE	28B	165	872	50	12375	0.981	0.325
C580	DIETHYL PHTHALATE	24B	149	968	50	62463	1.089	1.641
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	971	50	26264	1.092	0.690
C590	FLUORENE	32B	166	966	50	50273	1.087	1.321
C595	4-NITROANILINE		138	982	50	6533	1.105	0.172
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	984	50	6397	0.897	0.100
C615	N-NITROSODIPHENYLAMINE	43B	169	989	50	33766	0.902	0.526
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1038	50	13800	0.946	0.215
C630	HEXACHLOROBENZENE	33B	284	1056	50	15007	0.963	0.234
C635	PENTACHLOROPHENOL	9A	266	1083	50	7065	0.987	0.110
C640	PHENANTHRENE	44B	178	1100	50	74217	1.003	1.157
C645	ANTHRACENE	3B	178	1107	50	70337	1.009	1.096
C650	DI-N-BUTYL PHTHALATE	26B	149	1201	50	100427	1.095	1.565
C655	FLUORANTHENE	31B	202	1271	50	71502	1.159	1.114
C715	PYRENE	45B	202	1301	50	73111	0.880	1.521
C720	BUTYL BENZYL PHTHALATE	15B	149	1413	50	35743	0.956	0.744
C725	3,3'-DICHLOROBENZIDINE	23B	252	1480	50	8731	1.001	0.182
C730	BENZO(A)ANTHRACENE	5B	228	1475	50	62521	0.998	1.301
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1503	50	56763	1.017	1.181
C740	CHRYSENE	18B	228	1481	50	52372	1.002	1.090
C760	DI-N-OCTYL PHTHALATE	29B	149	1587	50	93851	0.951	2.337
C765	BENZO(B)FLUORANTHENE	7B	252	1622	50	59349	0.972	1.478
C770	BENZO(K)FLUORANTHENE	9B	252	1626	50	54032	0.974	1.345
C775	BENZO(A)PYRENE	6B	252	1662	50	44385	0.996	1.105
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1826	50	41310	1.094	1.029
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1831	50	30273	1.097	0.754
C790	BENZO(GHI)PERYLENE	8B	276	1871	50	33492	1.121	0.834
C310	N-NITROSODIMETHYLAMINE	41B	74	153	50	32187	0.333	1.400
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	434	50	47116	0.943	2.049
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	485	50	22487	1.054	0.978
C647	CARBAZOLE		167	1134	50	38545	1.034	0.601
C320	ANILINE		93	422	50	52851	0.917	2.298
A950	PYRIDINE		79	154	50	43882	0.335	1.908
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	992	50	74022	0.904	1.154



000147

010629

010629



841000

010630

010630

010631

Quantitation Report File: ES0607C02

Data: ES0607C02.TI
06/07/93 7:52:00
Sample: SSTD050
Conds.: ---
Formula: -- 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

010632

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	460	7:40	1	1.000	A BB	18397.	40.000	UG/L	0.97
2	136	638	10:38	2	1.000	A BB	71093.	40.000	UG/L	0.97
3	164	889	14:49	3	1.000	A BB	30447.	40.000	UG/L	0.97
4	188	1097	18:17	4	1.000	A BB	51335.	40.000	UG/L	0.97
5	240	1478	24:38	5	1.000	A BB	38448.	40.000	UG/L	0.97
6	264	1669	27:49	6	1.000	A BB	32129.	40.000	UG/L	0.97
7	112	297	4:57	1	0.646	A BB	38907.	50.000	UG/L	1.21
8	99	428	7:08	1	0.930	A BV	47732.	50.000	UG/L	1.21
9	330	1003	16:43	3	1.128	A BB	6502.	50.000	UG/L	1.21
10	82	541	9:01	2	0.848	A BB	38163.	50.000	UG/L	1.21
11	172	799	13:19	3	0.899	A BB	58713.	50.000	UG/L	1.21
12	244	1333	22:13	5	0.902	A BB	64248.	50.000	UG/L	1.21
13	94	430	7:10	1	0.935	A VB	45650.	50.000	UG/L	1.21
14	93	434	7:14	1	0.943	A VB	41097.	50.000	UG/L	1.21
15	128	436	7:16	1	0.948	A BB	35876.	50.000	UG/L	1.21
16	146	454	7:34	1	0.987	A BV	37668.	50.000	UG/L	1.21
17	146	462	7:42	1	1.004	A VB	38941.	50.000	UG/L	1.21
18	108	487	8:07	1	1.059	A BB	13622.	50.000	UG/L	1.21
19	146	487	8:07	1	1.059	A BB	36693.	50.000	UG/L	1.21
20	108	510	8:30	1	1.109	A BB	30794.	50.000	UG/L	1.21
21	45	511	8:31	1	1.111	A BB	50084.	50.000	UG/L	1.21
22	108	532	8:52	1	1.157	A BB	31931.	50.000	UG/L	1.21
23	70	529	8:49	1	1.150	A BB	27920.	50.000	UG/L	1.21
24	117	530	8:50	1	1.152	A BB	14497.	50.000	UG/L	1.21
25	77	543	9:03	2	0.851	A VB	38339.	50.000	UG/L	1.21
26	82	579	9:39	2	0.908	A BV	68022.	50.000	UG/L	1.21
27	139	589	9:49	2	0.923	A BB	16059.	50.000	UG/L	1.21
28	107	605	10:05	2	0.948	A BB	30082.	50.000	UG/L	1.21
29	122	627	10:27	2	0.983	A BB	11869.	50.000	UG/L	1.21
30	93	617	10:17	2	0.967	A BB	46093.	50.000	UG/L	1.21
31	162	625	10:25	2	0.980	A BB	22288.	50.000	UG/L	1.21
32	180	634	10:34	2	0.994	A BB	26357.	50.000	UG/L	1.21
33	128	641	10:41	2	1.005	A BB	95983.	50.000	UG/L	1.21
34	127	657	10:57	2	1.030	A BB	23514.	50.000	UG/L	1.21
35	225	672	11:12	2	1.053	A BB	13450.	50.000	UG/L	1.21
36	107	733	12:13	2	1.149	A BB	27126.	50.000	UG/L	1.21
37	142	740	12:20	2	1.160	A VB	68887.	50.000	UG/L	1.21
38	237	775	12:55	3	0.872	A BB	15400.	50.000	UG/L	1.21
39	196	788	13:08	3	0.886	A BV	14922.	50.000	UG/L	1.21
40	196	793	13:13	3	0.892	A VB	16561.	50.000	UG/L	1.21
41	162	808	13:28	3	0.909	A BB	51702.	50.000	UG/L	1.21
42	65	831	13:51	3	0.935	A BB	19301.	50.000	UG/L	1.21
43	163	866	14:26	3	0.974	A BB	59713.	50.000	UG/L	1.21
44	152	867	14:27	3	0.975	A BB	81731.	50.000	UG/L	1.21
45	138	893	14:53	3	1.004	A BB	5306.	50.000	UG/L	1.21
46	153	894	14:54	3	1.006	A BB	49558.	50.000	UG/L	1.21
47	184	905	15:05	3	1.018	A BB	4155.	50.000	UG/L	1.21
48	109	924	15:24	3	1.039	A BB	3429.	50.000	UG/L	1.21
49	168	917	15:17	3	1.031	A BB	72261.	50.000	UG/L	1.21
50	165	927	15:27	3	1.043	A BB	15710.	50.000	UG/L	1.21

010633

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	7:40	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	10:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	14:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	18:17	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	24:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	27:49	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4:57	1.00	0.646	1.00	50.00	50.00	1.692	1.692	1.00
8	7:08	1.00	0.930	1.00	50.00	50.00	2.076	2.076	1.00
9	16:43	1.00	1.128	1.00	50.00	50.00	0.171	0.171	1.00
10	9:01	1.00	0.848	1.00	50.00	50.00	0.429	0.429	1.00
11	13:19	1.00	0.899	1.00	50.00	50.00	1.543	1.543	1.00
12	22:13	1.00	0.902	1.00	50.00	50.00	1.337	1.337	1.00
13	7:10	1.00	0.935	1.00	50.00	50.00	1.985	1.985	1.00
14	7:14	1.00	0.943	1.00	50.00	50.00	1.787	1.787	1.00
15	7:16	1.00	0.948	1.00	50.00	50.00	1.560	1.560	1.00
16	7:34	1.00	0.987	1.00	50.00	50.00	1.638	1.638	1.00
17	7:42	1.00	1.004	1.00	50.00	50.00	1.693	1.693	1.00
18	8:07	1.00	1.059	1.00	50.00	50.00	0.592	0.592	1.00
19	8:07	1.00	1.059	1.00	50.00	50.00	1.596	1.596	1.00
20	8:30	1.00	1.109	1.00	50.00	50.00	1.339	1.339	1.00
21	8:31	1.00	1.111	1.00	50.00	50.00	2.178	2.178	1.00
22	8:52	1.00	1.157	1.00	50.00	50.00	1.389	1.389	1.00
23	8:49	1.00	1.150	1.00	50.00	50.00	1.214	1.214	1.00
24	8:50	1.00	1.152	1.00	50.00	50.00	0.630	0.630	1.00
25	9:03	1.00	0.851	1.00	50.00	50.00	0.431	0.431	1.00
26	9:39	1.00	0.908	1.00	50.00	50.00	0.765	0.765	1.00
27	9:49	1.00	0.923	1.00	50.00	50.00	0.181	0.181	1.00
28	10:05	1.00	0.948	1.00	50.00	50.00	0.339	0.339	1.00
29	10:27	1.00	0.983	1.00	50.00	50.00	0.134	0.134	1.00
30	10:17	1.00	0.967	1.00	50.00	50.00	0.519	0.519	1.00
31	10:25	1.00	0.980	1.00	50.00	50.00	0.251	0.251	1.00
32	10:34	1.00	0.994	1.00	50.00	50.00	0.297	0.297	1.00
33	10:41	1.00	1.005	1.00	50.00	50.00	1.080	1.080	1.00
34	10:57	1.00	1.030	1.00	50.00	50.00	0.265	0.265	1.00
35	11:12	1.00	1.053	1.00	50.00	50.00	0.151	0.151	1.00
36	12:13	1.00	1.149	1.00	50.00	50.00	0.305	0.305	1.00
37	12:20	1.00	1.160	1.00	50.00	50.00	0.775	0.775	1.00
38	12:55	1.00	0.872	1.00	50.00	50.00	0.405	0.405	1.00
39	13:08	1.00	0.886	1.00	50.00	50.00	0.392	0.392	1.00
40	13:13	1.00	0.892	1.00	50.00	50.00	0.435	0.435	1.00
41	13:28	1.00	0.909	1.00	50.00	50.00	1.358	1.358	1.00
42	13:51	1.00	0.935	1.00	50.00	50.00	0.507	0.507	1.00
43	14:26	1.00	0.974	1.00	50.00	50.00	1.569	1.569	1.00
44	14:27	1.00	0.975	1.00	50.00	50.00	2.147	2.147	1.00
45	14:53	1.00	1.004	1.00	50.00	50.00	0.139	0.139	1.00
46	14:54	1.00	1.006	1.00	50.00	50.00	1.302	1.302	1.00
47	15:05	1.00	1.018	1.00	50.00	50.00	0.109	0.109	1.00
48	15:24	1.00	1.039	1.00	50.00	50.00	0.090	0.090	1.00
49	15:17	1.00	1.031	1.00	50.00	50.00	1.899	1.899	1.00
50	15:27	1.00	1.043	1.00	50.00	50.00	0.413	0.413	1.00

010633

010634

Quantitation Report File: ES0607C02

Data: ES0607C02.TI
06/07/93 7:52:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	872	14:32	3	0.981	A BB	12375.	50.000 UG/L	1.21
52	149	968	16:08	3	1.089	A BB	62463.	50.000 UG/L	1.21
53	204	971	16:11	3	1.092	A BB	26264.	50.000 UG/L	1.21
54	166	966	16:06	3	1.087	A BB	50273.	50.000 UG/L	1.21
55	138	982	16:22	3	1.105	M XX	6533.	50.000 UG/L	1.21
56	198	984	16:24	4	0.897	A BB	6397.	50.000 UG/L	1.21
57	169	989	16:29	4	0.902	A BB	33766.	50.000 UG/L	1.21
58	248	1038	17:18	4	0.946	A BB	13800.	50.000 UG/L	1.21
59	284	1056	17:36	4	0.963	A BB	15007.	50.000 UG/L	1.21

010635

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	1083	18:03	4	0.987	A BB	7065.	50.000 UG/L	1.21
61	178	1100	18:20	4	1.003	A BV	74217.	50.000 UG/L	1.21
62	178	1107	18:27	4	1.009	A VB	70337.	50.000 UG/L	1.21
63	149	1201	20:01	4	1.095	A BB	100427.	50.000 UG/L	1.21
64	202	1271	21:11	4	1.159	A BB	71501.	50.000 UG/L	1.21
65	202	1301	21:41	5	0.880	A BB	73111.	50.000 UG/L	1.21
66	149	1413	23:33	5	0.956	A BB	35743.	50.000 UG/L	1.21
67	252	1480	24:40	5	1.001	A BB	8731.	50.000 UG/L	1.21
68	228	1475	24:35	5	0.998	A BV	62521.	50.000 UG/L	1.21
69	149	1503	25:03	5	1.017	A VB	56763.	50.000 UG/L	1.21
70	228	1481	24:41	5	1.002	A VB	52372.	50.000 UG/L	1.21
71	149	1587	26:27	6	0.951	A VB	93851.	50.000 UG/L	1.21
72	252	1622	27:02	6	0.972	M XX	59349.	50.000 UG/L	1.21
73	252	1626	27:06	6	0.974	M XX	54032.	50.000 UG/L	1.21
74	252	1662	27:42	6	0.996	A BB	44385.	50.000 UG/L	1.21
75	276	1826	30:26	6	1.094	A BB	41310.	50.000 UG/L	1.21
76	278	1831	30:31	6	1.097	A BB	30273.	50.000 UG/L	1.21
77	276	1871	31:11	6	1.121	A BB	33492.	50.000 UG/L	1.21
78	74	153	2:33	1	0.333	A BB	32187.	50.000 UG/L	1.21
79	132	434	7:14	1	0.943	A BB	47116.	50.000 UG/L	1.21
80	152	485	8:05	1	1.054	A BB	22487.	50.000 UG/L	1.21
81	167	1134	18:54	4	1.034	A BB	38545.	50.000 UG/L	1.21
82	93	422	7:02	1	0.917	M XX	52851.	50.000 UG/L	1.21
83	79	154	2:34	1	0.335	M XX	43882.	50.000 UG/L	1.21
84	77	992	16:32	4	0.904	A BB	74022.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	14:32	1.00	0.981	1.00	50.00	50.00	0.325	0.325	1.00
52	16:08	1.00	1.089	1.00	50.00	50.00	1.641	1.641	1.00
53	16:11	1.00	1.092	1.00	50.00	50.00	0.690	0.690	1.00
54	16:06	1.00	1.087	1.00	50.00	50.00	1.321	1.321	1.00
55	16:22	1.00	1.105	1.00	50.00	50.00	0.172	0.172	1.00
56	16:24	1.00	0.897	1.00	50.00	50.00	0.100	0.100	1.00
57	16:29	1.00	0.902	1.00	50.00	50.00	0.526	0.526	1.00
58	17:18	1.00	0.946	1.00	50.00	50.00	0.215	0.215	1.00
59	17:36	1.00	0.963	1.00	50.00	50.00	0.234	0.234	1.00
60	18:03	1.00	0.987	1.00	50.00	50.00	0.110	0.110	1.00
61	18:20	1.00	1.003	1.00	50.00	50.00	1.157	1.157	1.00
62	18:27	1.00	1.009	1.00	50.00	50.00	1.096	1.096	1.00
63	20:01	1.00	1.095	1.00	50.00	50.00	1.565	1.565	1.00
64	21:11	1.00	1.159	1.00	50.00	50.00	1.114	1.114	1.00
65	21:41	1.00	0.880	1.00	50.00	50.00	1.521	1.521	1.00
66	23:33	1.00	0.956	1.00	50.00	50.00	0.744	0.744	1.00
67	24:40	1.00	1.001	1.00	50.00	50.00	0.182	0.182	1.00
68	24:35	1.00	0.998	1.00	50.00	50.00	1.301	1.301	1.00
69	25:03	1.00	1.017	1.00	50.00	50.00	1.181	1.181	1.00
70	24:41	1.00	1.002	1.00	50.00	50.00	1.090	1.090	1.00
71	26:27	1.00	0.951	1.00	50.00	50.00	2.337	2.337	1.00
72	27:02	1.00	0.972	1.00	50.00	50.00	1.478	1.478	1.00
73	27:06	1.00	0.974	1.00	50.00	50.00	1.345	1.345	1.00
74	27:42	1.00	0.996	1.00	50.00	50.00	1.105	1.105	1.00
75	30:26	1.00	1.094	1.00	50.00	50.00	1.029	1.029	1.00
76	30:31	1.00	1.097	1.00	50.00	50.00	0.754	0.754	1.00
77	31:11	1.00	1.121	1.00	50.00	50.00	0.834	0.834	1.00
78	2:33	1.00	0.333	1.00	50.00	50.00	1.400	1.400	1.00
79	7:14	1.00	0.943	1.00	50.00	50.00	2.049	2.049	1.00

010636

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	8:05	1.00	1.054	1.00	50.00	50.00	0.978	0.978	1.00
81	18:54	1.00	1.034	1.00	50.00	50.00	0.601	0.601	1.00
82	7:02	1.00	0.917	1.00	50.00	50.00	2.298	2.298	1.00
83	2:34	1.00	0.335	1.00	50.00	50.00	1.908	1.908	1.00
84	16:32	1.00	0.904	1.00	50.00	50.00	1.154	1.154	1.00

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. -- CONTRACT LAB: CHESTER LABNET

CONTRACT NO. -- INSTRUMENT IDENTIFIER: 4530

CALIBRATION DATE: 06/02/93

STANDARD FILE: ~~ES06/08/93~~ ES0608C02A

DATE: 06/08/93 TIME: 9:38

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.837	1.986	8.148
C325	BIS(2-CHLOROETHYL)ETHE	1.675	1.837	9.693
C330	2-CHLOROPHENOL	1.466	1.571	7.185
C335	1,3-DICHLOROBENZENE	1.523	1.620	6.396
C340	1,4-DICHLOROBENZENE	1.609	1.668	3.650
C345	BENZYL ALCOHOL	0.795	0.811	1.972
C350	1,2-DICHLOROBENZENE	1.547	1.599	3.385
C355	2-METHYLPHENOL	1.311	1.362	3.823
C357	2,2'-OXYBIS(1-CHLOROPR	2.093	2.147	2.590
C365	4-METHYLPHENOL	1.422	1.418	-0.262
C370	N-NITROSODIPROPYLAMINE	1.237	1.218	-1.521
C375	HEXACHLOROETHANE	0.609	0.638	4.811
C410	NITROBENZENE	0.388	0.408	5.067
C415	ISOPHORONE	0.750	0.773	2.983
C420	2-NITROPHENOL	0.194	0.178	-8.071
C425	2,4-DIMETHYLPHENOL	0.274	0.343	24.913
C430	BENZOIC ACID	0.150	0.161	7.626
C435	BIS(2-CHLOROETHOXY)MET	0.525	0.516	-1.696
C440	2,4-DICHLOROPHENOL	0.256	0.264	2.931
C445	1,2,4-TRICHLOROBENZENE	0.299	0.297	-0.580
C450	NAPHTHALENE	1.077	1.089	1.137
C455	4-CHLOROANILINE	0.404	0.227	-43.774
C460	HEXACHLOROBUTADIENE	0.153	0.158	3.448
C465	P-CHLORO-M-CRESOL	0.302	0.313	3.801
C470	2-METHYLNAPHTHALENE	0.747	0.769	2.999
C510	HEXACHLOROCYCLOPENTADI	0.302	0.401	32.663
C515	2,4,6-TRICHLOROPHENOL	0.514	0.452	-11.972
C520	2,4,5-TRICHLOROPHENOL	0.343	0.424	23.465
C525	2-CHLORONAPHTHALENE	1.332	1.369	2.773
C530	2-NITROANILINE	0.465	0.483	3.799
C535	DIMETHYL PHTHALATE	1.603	1.565	-2.424
C540	ACENAPHTHYLENE	2.111	2.173	2.909
C545	3-NITROANILINE	0.302	0.129	-57.112
C550	ACENAPHTHENE	1.278	1.321	3.406
C555	2,4-DINITROPHENOL	0.164	0.114	-30.803
C560	4-NITROPHENOL	0.097	0.100	3.555
C565	DIBENZOFURAN	1.801	1.900	5.489
C570	2,4-DINITROTOLUENE	0.412	0.402	-2.631
C543	2,6-DINITROTOLUENE	0.344	0.278	-19.125
C580	DIETHYL PHTHALATE	1.687	1.615	-4.219
C585	4-CHLOROPHENYL PHENYL	0.741	0.704	-5.052
C590	FLUORENE	1.362	1.325	-2.735
C595	4-NITROANILINE	0.201	0.153	-23.631
C610	4,6-DINITRO-2-METHYLPH	0.120	0.099	-17.494
C615	N-NITROSODIPHENYLAMINE	0.547	0.439	-19.704
C625	4-BROMOPHENYL PHENYL E	0.225	0.215	-4.533
C630	HEXACHLOROBENZENE	0.234	0.233	-0.154
C635	PENTACHLOROPHENOL	0.129	0.130	0.995
C640	PHENANTHRENE	1.229	1.260	2.589
C645	ANTHRACENE	0.966	1.001	3.713
C650	DI-N-BUTYL PHTHALATE	1.512	1.403	-7.214
C655	FLUORANTHENE	1.109	1.113	0.411

010638

C715	PYRENE	1.416	1.494	5.499
C720	BUTYL BENZYL PHTHALATE	0.755	0.705	-6.602
C725	3,3'-DICHLOROBENZIDINE	0.324	0.243	-25.009
C730	BENZO(A)ANTHRACENE	1.502	1.322	-11.964
C745	BIS(2-ETHYLHEXYL)PHTHA	1.162	1.042	-10.329
C740	CHRYSENE	0.852	1.057	24.113
C760	DI-N-OCTYL PHTHALATE	2.374	1.974	-16.833
C765	BENZO(B)FLUORANTHENE	1.633	1.457	-10.780
C770	BENZO(K)FLUORANTHENE	1.185	1.334	12.500
C775	BENZO(A)PYRENE	1.193	1.076	-9.776
C780	INDENO(1,2,3-CD)PYRENE	1.150	1.073	-6.663
C785	DIBENZO(A,H)ANTHRACENE	0.862	0.788	-8.537
C790	BENZO(GHI)PERYLENE	1.005	0.873	-13.151
C310	N-NITROSODIMETHYLAMINE	1.160	1.167	0.578
C620	1,2-DIPHENYL-HYDRAZINE	1.047	1.069	2.083
C320	ANILINE	2.070	2.008	-2.996
CS50	2-FLUOROPHENOL ** SU1	1.433	1.608	12.260
CS45	PHENOL-D5 ** SU2 **	1.874	2.097	11.921
CS55	2,4,6-TRIBROMOPHENOL	0.175	0.191	9.055
CS20	NITROBENZENE-D5 ** SU3	0.369	0.411	11.277
CS25	2-FLUOROBIPHENYL **SU4	1.417	1.539	8.577
CS30	TERPHENYL-D14 ** SU6	1.179	1.342	13.827
CS70	2-CHLOROPHENOL-D4 ** S	1.849	2.078	12.381
CS75	1,2-DICHLOROBENZENE-D4	0.892	0.984	10.323
C647	CARBAZOLE	0.671	0.496	-26.089
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.819	1.719	-5.484

SV STANDARD REPORT

010639

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0608C02A

CLIENT CHESTER ANALYST SC

DATE INJECTED 06/08/93 9:38:00 VERFIED BY

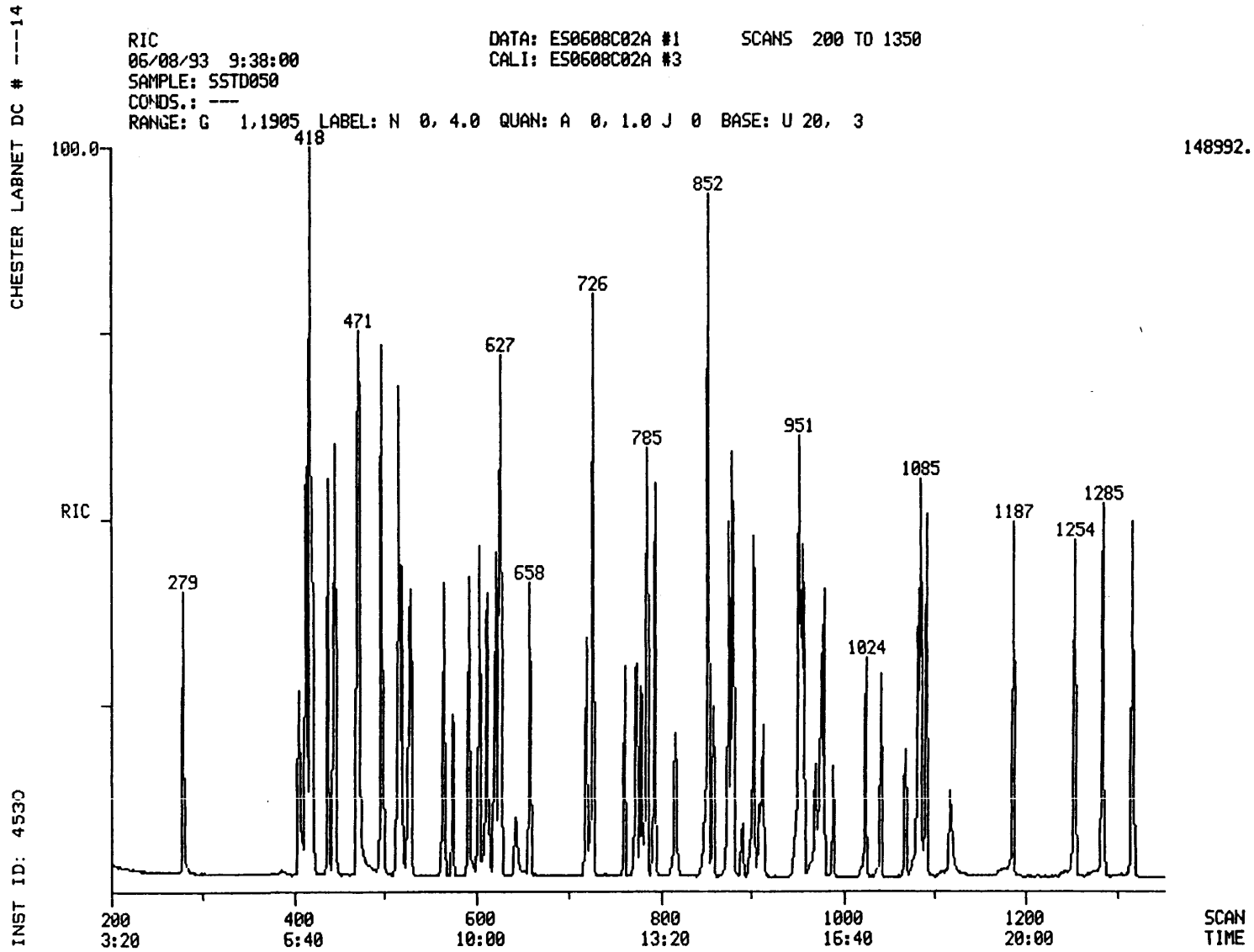
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	444	40	21215	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	624	40	83861	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	875	40	37001	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1082	40	63997	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1461	40	48763	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1651	40	43309	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	279	50	42654	0.628	1.608
CS45	PHENOL-D5 ** SU2 **		99	413	50	55613	0.930	2.097
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	988	50	8839	1.129	0.191
CS20	NITROBENZENE-D5 ** SU3 **		82	526	50	43104	0.843	0.411
CS25	2-FLUOROBIPHENYL **SU4 **		172	785	50	71170	0.897	1.539
CS30	TERPHENYL-D14 ** SU6 **		244	1317	50	81804	0.901	1.342
C315	PHENOL	10A	94	414	50	52672	0.932	1.986
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	418	50	48721	0.941	1.837
C330	2-CHLOROPHENOL	1A	128	420	50	41661	0.946	1.571
C335	1,3-DICHLOROBENZENE	21B	146	438	50	42960	0.986	1.620
C340	1,4-DICHLOROBENZENE	22B	146	446	50	44237	1.005	1.668
C345	BENZYL ALCOHOL		108	472	50	21505	1.063	0.811
C350	1,2-DICHLOROBENZENE	20B	146	471	50	42414	1.061	1.599
C355	2-METHYLPHENOL		108	496	50	36109	1.117	1.362
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	496	50	56945	1.117	2.147
C365	4-METHYLPHENOL		108	518	50	37606	1.167	1.418
C370	N-NITROSODIPROPYLAMINE	42B	70	515	50	32295	1.160	1.218
C375	HEXACHLOROETHANE	36B	117	515	50	16917	1.160	0.638
C410	NITROBENZENE	40B	77	528	50	42749	0.846	0.408
C415	ISOPHORONE	38B	82	564	50	81008	0.904	0.773
C420	2-NITROPHENOL	6A	139	574	50	18670	0.920	0.178
C425	2,4-DIMETHYLPHENOL	3A	107	591	50	35912	0.947	0.343
C430	BENZOIC ACID		122	614	50	16897	0.984	0.161
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	603	50	54067	0.966	0.516
C440	2,4-DICHLOROPHENOL	2A	162	610	50	27656	0.978	0.264
C445	1,2,4-TRICHLOROBENZENE	46B	180	620	50	31113	0.994	0.297
C450	NAPHTHALENE	39B	128	627	50	114169	1.005	1.089
C455	4-CHLOROANILINE		127	643	50	23778	1.030	0.227
C460	HEXACHLOROBUTADIENE	34B	225	658	50	16571	1.054	0.158
C465	P-CHLORO-M-CRESOL	8A	107	719	50	32860	1.152	0.313
C470	2-METHYLNAPHTHALENE		142	726	50	80656	1.163	0.769
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	761	50	18555	0.870	0.401
C515	2,4,6-TRICHLOROPHENOL	11A	196	773	50	20921	0.883	0.452
C520	2,4,5-TRICHLOROPHENOL		196	778	50	19593	0.889	0.424
C525	2-CHLORONAPHTHALENE	16B	162	794	50	63312	0.907	1.369
C530	2-NITROANILINE		65	816	50	22321	0.933	0.483
C535	DIMETHYL PHTHALATE	25B	163	852	50	72360	0.974	1.565
C540	ACENAPHTHYLENE	2B	152	852	50	100482	0.974	2.173
C545	3-NITROANILINE		138	877	50	5980	1.002	0.129
C550	ACENAPHTHENE	1B	153	879	50	61110	1.005	1.321

CHESTER LABNET DC # ---17

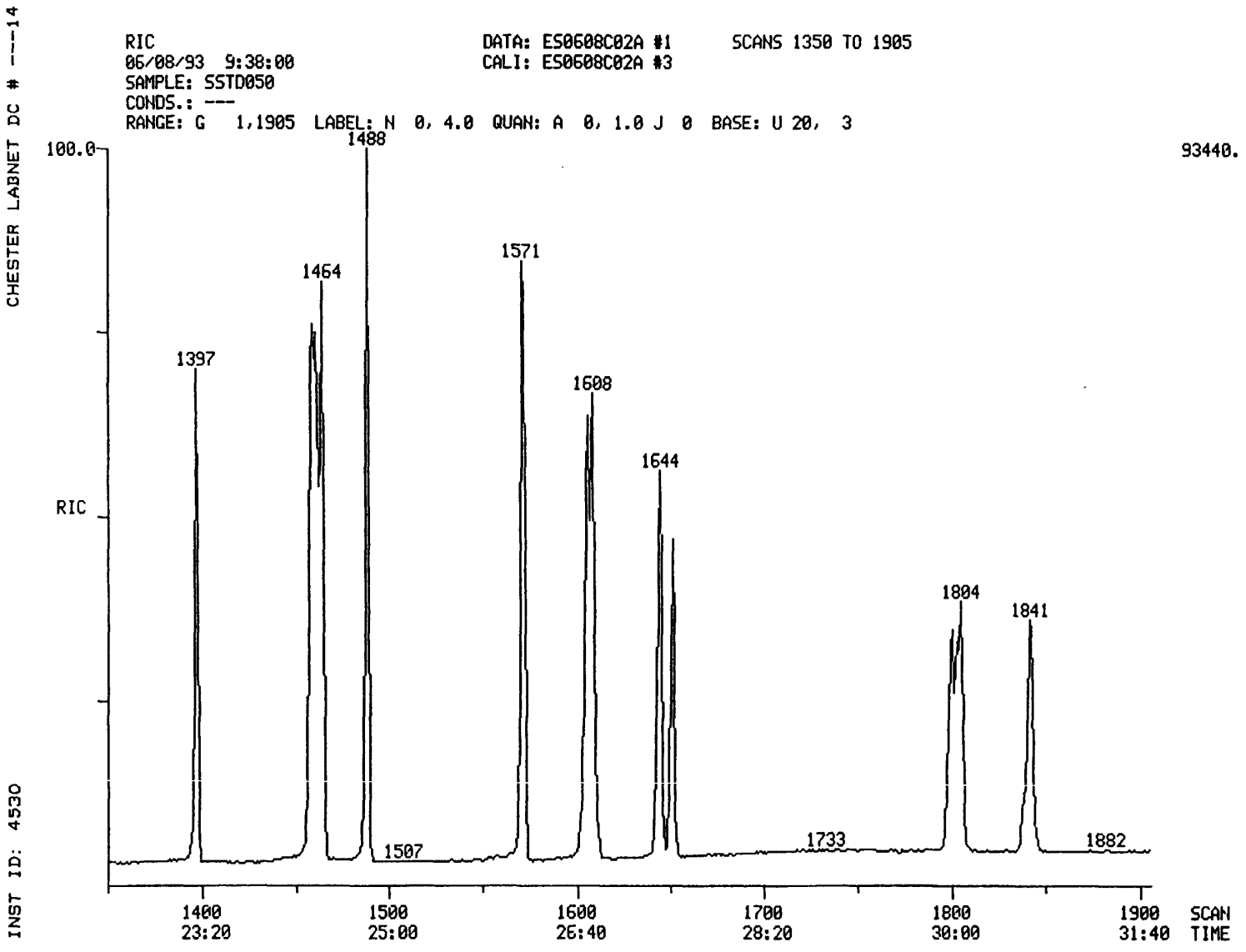
SV STANDARD REPORT PAGE 2

DATAFILE ES0608C02A

	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	890	50	5255	1.017	0.114
C560	4-NITROPHENOL	7A	109	908	50	4640	1.038	0.100
C565	DIBENZOFURAN		168	902	50	87857	1.031	1.900
C570	2,4-DINITROTOLUENE	27B	165	912	50	18575	1.042	0.402
C543	2,6-DINITROTOLUENE	28B	165	858	50	12868	0.981	0.278
C580	DIETHYL PHTHALATE	24B	149	954	50	74713	1.090	1.615
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	956	50	32551	1.093	0.704
C590	FLUORENE	32B	166	951	50	61278	1.087	1.325
C595	4-NITROANILINE		138	965	50	7083	1.103	0.153
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	969	50	7943	0.896	0.099
C615	N-NITROSODIPHENYLAMINE	43B	169	975	50	35144	0.901	0.439
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1024	50	17210	0.946	0.215
C630	HEXACHLOROBENZENE	33B	284	1041	50	18675	0.962	0.233
C635	PENTACHLOROPHENOL	9A	266	1068	50	10401	0.987	0.130
C640	PHENANTHRENE	44B	178	1085	50	100822	1.003	1.260
C645	ANTHRACENE	3B	178	1091	50	80108	1.008	1.001
C650	DI-N-BUTYL PHTHALATE	26B	149	1187	50	112255	1.097	1.403
C655	FLUORANTHENE	31B	202	1254	50	89063	1.159	1.113
C715	PYRENE	45B	202	1285	50	91035	0.880	1.494
C720	BUTYL BENZYL PHTHALATE	15B	149	1397	50	42985	0.956	0.705
C725	3,3'-DICHLOROBENZIDINE	23B	252	1462	50	14806	1.001	0.243
C730	BENZO(A)ANTHRACENE	5B	228	1458	50	80595	0.998	1.322
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1488	50	63490	1.018	1.042
C740	CHRYSENE	18B	228	1464	50	64431	1.002	1.057
C760	DI-N-OCTYL PHTHALATE	29B	149	1571	50	106888	0.952	1.974
C765	BENZO(B)FLUORANTHENE	7B	252	1605	50	78861	0.972	1.457
C770	BENZO(K)FLUORANTHENE	9B	252	1608	50	72199	0.974	1.334
C775	BENZO(A)PYRENE	6B	252	1644	50	58247	0.996	1.076
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1799	50	58114	1.090	1.073
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1804	50	42668	1.093	0.788
C790	BENZO(GHI)PERYLENE	8B	276	1841	50	47258	1.115	0.873
C310	N-NITROSODIMETHYLAMINE	41B	74	140	50	30938	0.315	1.167
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	418	50	55100	0.941	2.078
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	469	50	26087	1.056	0.984
C647	CARBAZOLE		167	1118	50	39687	1.033	0.496
C320	ANILINE		93	405	50	53260	0.912	2.008
A950	PYRIDINE		79	142	50	45582	0.320	1.719
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	978	50	85485	0.904	1.069


CHESTER LABNET DC # ---14
INST ID: 4530
RIC
06/08/93 9:38:00
SAMPLE: SSTD050
CONDS.: ---
RANGE: G 1,1905 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3
DATA: ES0608C02A #1
CALI: ES0608C02A #3
SCANS 200 TO 1350
148992.
100.0
RIC
279
418
471
627
658
726
785
852
951
1024
1085
1187
1254
1285
200
3:20
400
6:40
600
10:00
800
13:20
1000
16:40
1200
20:00
SCAN
TIME

010641



000160

010642

010642

010643

Quantitation Report File: ES0608C02A

Data: ES0608C02A.TI
06/08/93 9:38:00
Sample: SSTD050
Conds.: ---
Formula: -- 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

010643

010644

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	444	7:24	1	1.000	A BB	21215.	40.000 UG/L	0.97
2	136	624	10:24	2	1.000	A BB	83861.	40.000 UG/L	0.97
3	164	875	14:35	3	1.000	A BB	37001.	40.000 UG/L	0.97
4	188	1082	18:02	4	1.000	A BB	63997.	40.000 UG/L	0.97
5	240	1461	24:21	5	1.000	A BB	48763.	40.000 UG/L	0.97
6	264	1651	27:31	6	1.000	A BB	43309.	40.000 UG/L	0.97
7	112	279	4:39	1	0.628	A BB	42654.	50.000 UG/L	1.21
8	99	413	6:53	1	0.930	A BV	55613.	50.000 UG/L	1.21
9	330	988	16:28	3	1.129	A BB	8839.	50.000 UG/L	1.21
10	82	526	8:46	2	0.843	A BB	43104.	50.000 UG/L	1.21
11	172	785	13:05	3	0.897	A BB	71170.	50.000 UG/L	1.21
12	244	1317	21:57	5	0.901	A BB	81804.	50.000 UG/L	1.21
13	94	414	6:54	1	0.932	A VB	52672.	50.000 UG/L	1.21
14	93	418	6:58	1	0.941	A VB	48721.	50.000 UG/L	1.21
15	128	420	7:00	1	0.946	A BB	41661.	50.000 UG/L	1.21
16	146	438	7:18	1	0.986	A BV	42960.	50.000 UG/L	1.21
17	146	446	7:26	1	1.005	A VB	44237.	50.000 UG/L	1.21
18	108	472	7:52	1	1.063	A BB	21505.	50.000 UG/L	1.21
19	146	471	7:51	1	1.061	A BB	42414.	50.000 UG/L	1.21
20	108	496	8:16	1	1.117	A BB	36109.	50.000 UG/L	1.21
21	45	496	8:16	1	1.117	A BB	56945.	50.000 UG/L	1.21
22	108	518	8:38	1	1.167	A BB	37606.	50.000 UG/L	1.21
23	70	515	8:35	1	1.160	A BB	32295.	50.000 UG/L	1.21
24	117	515	8:35	1	1.160	A BB	16917.	50.000 UG/L	1.21
25	77	528	8:48	2	0.846	A VB	42749.	50.000 UG/L	1.21
26	82	564	9:24	2	0.904	A BB	81008.	50.000 UG/L	1.21
27	139	574	9:34	2	0.920	A BB	18670.	50.000 UG/L	1.21
28	107	591	9:51	2	0.947	A BB	35912.	50.000 UG/L	1.21
29	122	614	10:14	2	0.984	A BV	16897.	50.000 UG/L	1.21
30	93	603	10:03	2	0.966	A BB	54067.	50.000 UG/L	1.21
31	162	610	10:10	2	0.978	A BB	27656.	50.000 UG/L	1.21
32	180	620	10:20	2	0.994	A BB	31113.	50.000 UG/L	1.21
33	128	627	10:27	2	1.005	A BB	114169.	50.000 UG/L	1.21
34	127	643	10:43	2	1.030	A BB	23777.	50.000 UG/L	1.21
35	225	658	10:58	2	1.054	A BB	16571.	50.000 UG/L	1.21
36	107	719	11:59	2	1.152	A BB	32860.	50.000 UG/L	1.21
37	142	726	12:06	2	1.163	A VB	80656.	50.000 UG/L	1.21
38	237	761	12:41	3	0.870	A BB	18555.	50.000 UG/L	1.21
39	196	773	12:53	3	0.883	A BV	20921.	50.000 UG/L	1.21
40	196	778	12:58	3	0.889	A VB	19593.	50.000 UG/L	1.21
41	162	794	13:14	3	0.907	A BB	63312.	50.000 UG/L	1.21
42	65	816	13:36	3	0.933	A BB	22321.	50.000 UG/L	1.21
43	163	852	14:12	3	0.974	A BB	72360.	50.000 UG/L	1.21
44	152	852	14:12	3	0.974	A BB	100482.	50.000 UG/L	1.21
45	138	877	14:37	3	1.002	M XX	5980.	50.000 UG/L	1.21
46	153	879	14:39	3	1.005	A BB	61110.	50.000 UG/L	1.21
47	184	890	14:50	3	1.017	A BB	5255.	50.000 UG/L	1.21
48	109	908	15:08	3	1.038	A BB	4640.	50.000 UG/L	1.21
49	168	902	15:02	3	1.031	A BB	87857.	50.000 UG/L	1.21
50	165	912	15:12	3	1.042	A BB	18575.	50.000 UG/L	1.21

010645

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R. Fac	R. Fac(L)	Ratio
1	7:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	10:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	14:35	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	18:02	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	24:21	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	27:31	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4:39	1.00	0.628	1.00	50.00	50.00	1.608	1.608	1.00
8	6:53	1.00	0.930	1.00	50.00	50.00	2.097	2.097	1.00
9	16:28	1.00	1.129	1.00	50.00	50.00	0.191	0.191	1.00
10	8:46	1.00	0.843	1.00	50.00	50.00	0.411	0.411	1.00
11	13:05	1.00	0.897	1.00	50.00	50.00	1.539	1.539	1.00
12	21:57	1.00	0.901	1.00	50.00	50.00	1.342	1.342	1.00
13	6:54	1.00	0.932	1.00	50.00	50.00	1.986	1.986	1.00
14	6:58	1.00	0.941	1.00	50.00	50.00	1.837	1.837	1.00
15	7:00	1.00	0.946	1.00	50.00	50.00	1.571	1.571	1.00
16	7:18	1.00	0.986	1.00	50.00	50.00	1.620	1.620	1.00
17	7:26	1.00	1.005	1.00	50.00	50.00	1.668	1.668	1.00
18	7:52	1.00	1.063	1.00	50.00	50.00	0.811	0.811	1.00
19	7:51	1.00	1.061	1.00	50.00	50.00	1.599	1.599	1.00
20	8:16	1.00	1.117	1.00	50.00	50.00	1.362	1.362	1.00
21	8:16	1.00	1.117	1.00	50.00	50.00	2.147	2.147	1.00
22	8:38	1.00	1.167	1.00	50.00	50.00	1.418	1.418	1.00
23	8:35	1.00	1.160	1.00	50.00	50.00	1.218	1.218	1.00
24	8:35	1.00	1.160	1.00	50.00	50.00	0.638	0.638	1.00
25	8:48	1.00	0.846	1.00	50.00	50.00	0.408	0.408	1.00
26	9:24	1.00	0.904	1.00	50.00	50.00	0.773	0.773	1.00
27	9:34	1.00	0.920	1.00	50.00	50.00	0.178	0.178	1.00
28	9:51	1.00	0.947	1.00	50.00	50.00	0.343	0.343	1.00
29	10:14	1.00	0.984	1.00	50.00	50.00	0.161	0.161	1.00
30	10:03	1.00	0.966	1.00	50.00	50.00	0.516	0.516	1.00
31	10:10	1.00	0.978	1.00	50.00	50.00	0.264	0.264	1.00
32	10:20	1.00	0.994	1.00	50.00	50.00	0.297	0.297	1.00
33	10:27	1.00	1.005	1.00	50.00	50.00	1.089	1.089	1.00
34	10:43	1.00	1.030	1.00	50.00	50.00	0.227	0.227	1.00
35	10:58	1.00	1.054	1.00	50.00	50.00	0.158	0.158	1.00
36	11:59	1.00	1.152	1.00	50.00	50.00	0.313	0.313	1.00
37	12:06	1.00	1.163	1.00	50.00	50.00	0.769	0.769	1.00
38	12:41	1.00	0.870	1.00	50.00	50.00	0.401	0.401	1.00
39	12:53	1.00	0.883	1.00	50.00	50.00	0.452	0.452	1.00
40	12:58	1.00	0.889	1.00	50.00	50.00	0.424	0.424	1.00
41	13:14	1.00	0.907	1.00	50.00	50.00	1.369	1.369	1.00
42	13:36	1.00	0.933	1.00	50.00	50.00	0.483	0.483	1.00
43	14:12	1.00	0.974	1.00	50.00	50.00	1.565	1.565	1.00
44	14:12	1.00	0.974	1.00	50.00	50.00	2.173	2.173	1.00
45	14:37	1.00	1.002	1.00	50.00	50.00	0.129	0.129	1.00
46	14:39	1.00	1.005	1.00	50.00	50.00	1.321	1.321	1.00
47	14:50	1.00	1.017	1.00	50.00	50.00	0.114	0.114	1.00
48	15:08	1.00	1.038	1.00	50.00	50.00	0.100	0.100	1.00
49	15:02	1.00	1.031	1.00	50.00	50.00	1.900	1.900	1.00
50	15:12	1.00	1.042	1.00	50.00	50.00	0.402	0.402	1.00

010646

Quantitation Report File: ES0608C02A

Data: ES0608C02A.TI
06/08/93 9:38:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
51	165	858	14:18	3	0.981	A VB	12868.	50.000 UG/L	1.21
52	149	954	15:54	3	1.090	A BB	74713.	50.000 UG/L	1.21
53	204	956	15:56	3	1.093	A BB	32551.	50.000 UG/L	1.21
54	166	951	15:51	3	1.087	A BB	61278.	50.000 UG/L	1.21
55	138	965	16:05	3	1.103	A VB	7083.	50.000 UG/L	1.21
56	198	969	16:09	4	0.896	A BB	7943.	50.000 UG/L	1.21
57	169	975	16:15	4	0.901	A BB	35144.	50.000 UG/L	1.21
58	248	1024	17:04	4	0.946	A BB	17210.	50.000 UG/L	1.21
59	284	1041	17:21	4	0.962	A BB	18675.	50.000 UG/L	1.21

010647

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
60	266	1068	17:48	4	0.987	A BB	10401.	50.000 UG/L	1.21
61	178	1085	18:05	4	1.003	A BV	100822.	50.000 UG/L	1.21
62	178	1091	18:11	4	1.008	A VB	80108.	50.000 UG/L	1.21
63	149	1187	19:47	4	1.097	A VB	112255.	50.000 UG/L	1.21
64	202	1254	20:54	4	1.159	A BB	89063.	50.000 UG/L	1.21
65	202	1285	21:25	5	0.880	A BB	91035.	50.000 UG/L	1.21
66	149	1397	23:17	5	0.956	A BB	42985.	50.000 UG/L	1.21
67	252	1462	24:22	5	1.001	A BB	14806.	50.000 UG/L	1.21
68	228	1458	24:18	5	0.998	A BV	80594.	50.000 UG/L	1.21
69	149	1488	24:48	5	1.018	A VB	63490.	50.000 UG/L	1.21
70	228	1464	24:24	5	1.002	A VB	64431.	50.000 UG/L	1.21
71	149	1571	26:11	6	0.952	A VB	106888.	50.000 UG/L	1.21
72	252	1605	26:45	6	0.972	M XX	78861.	50.000 UG/L	1.21
73	252	1608	26:48	6	0.974	M XX	72199.	50.000 UG/L	1.21
74	252	1644	27:24	6	0.996	A VB	58247.	50.000 UG/L	1.21
75	276	1799	29:59	6	1.090	A BB	58114.	50.000 UG/L	1.21
76	278	1804	30:04	6	1.093	A BB	42668.	50.000 UG/L	1.21
77	276	1841	30:41	6	1.115	M XX	47258.	50.000 UG/L	1.21
78	74	140	2:20	1	0.315	A BB	30938.	50.000 UG/L	1.21
79	132	418	6:58	1	0.941	A BB	55100.	50.000 UG/L	1.21
80	152	469	7:49	1	1.056	A BB	26087.	50.000 UG/L	1.21
81	167	1118	18:38	4	1.033	A VB	39687.	50.000 UG/L	1.21
82	93	405	6:45	1	0.912	M XX	53260.	50.000 UG/L	1.21
83	79	142	2:22	1	0.320	A BV	45582.	50.000 UG/L	1.21
84	77	978	16:18	4	0.904	A BB	85485.	50.000 UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	14:18	1.00	0.981	1.00	50.00	50.00	0.278	0.278	1.00
52	15:54	1.00	1.090	1.00	50.00	50.00	1.615	1.615	1.00
53	15:56	1.00	1.093	1.00	50.00	50.00	0.704	0.704	1.00
54	15:51	1.00	1.087	1.00	50.00	50.00	1.325	1.325	1.00
55	16:05	1.00	1.103	1.00	50.00	50.00	0.153	0.153	1.00
56	16:09	1.00	0.896	1.00	50.00	50.00	0.099	0.099	1.00
57	16:15	1.00	0.901	1.00	50.00	50.00	0.439	0.439	1.00
58	17:04	1.00	0.946	1.00	50.00	50.00	0.215	0.215	1.00
59	17:21	1.00	0.962	1.00	50.00	50.00	0.233	0.233	1.00
60	17:48	1.00	0.987	1.00	50.00	50.00	0.130	0.130	1.00
61	18:05	1.00	1.003	1.00	50.00	50.00	1.260	1.260	1.00
62	18:11	1.00	1.008	1.00	50.00	50.00	1.001	1.001	1.00
63	19:47	1.00	1.097	1.00	50.00	50.00	1.403	1.403	1.00
64	20:54	1.00	1.159	1.00	50.00	50.00	1.113	1.113	1.00
65	21:25	1.00	0.880	1.00	50.00	50.00	1.494	1.494	1.00
66	23:17	1.00	0.956	1.00	50.00	50.00	0.705	0.705	1.00
67	24:22	1.00	1.001	1.00	50.00	50.00	0.243	0.243	1.00
68	24:18	1.00	0.998	1.00	50.00	50.00	1.322	1.322	1.00
69	24:48	1.00	1.018	1.00	50.00	50.00	1.042	1.042	1.00
70	24:24	1.00	1.002	1.00	50.00	50.00	1.057	1.057	1.00
71	26:11	1.00	0.952	1.00	50.00	50.00	1.974	1.974	1.00
72	26:45	1.00	0.972	1.00	50.00	50.00	1.457	1.457	1.00
73	26:48	1.00	0.974	1.00	50.00	50.00	1.334	1.334	1.00
74	27:24	1.00	0.996	1.00	50.00	50.00	1.076	1.076	1.00
75	29:59	1.00	1.090	1.00	50.00	50.00	1.073	1.073	1.00
76	30:04	1.00	1.093	1.00	50.00	50.00	0.788	0.788	1.00
77	30:41	1.00	1.115	1.00	50.00	50.00	0.873	0.873	1.00
78	2:20	1.00	0.315	1.00	50.00	50.00	1.167	1.167	1.00
79	6:58	1.00	0.941	1.00	50.00	50.00	2.078	2.078	1.00

010648

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	7:49	1.00	1.056	1.00	50.00	50.00	0.984	0.984	1.00
81	18:38	1.00	1.033	1.00	50.00	50.00	0.496	0.496	1.00
82	6:45	1.00	0.912	1.00	50.00	50.00	2.008	2.008	1.00
83	2:22	1.00	0.320	1.00	50.00	50.00	1.719	1.719	1.00
84	16:18	1.00	0.904	1.00	50.00	50.00	1.069	1.069	1.00

010649

Quantitation Report File: ES0608C03

Data: ES0608C03.TI
06/08/93 11:02:00
Sample: SSTD DAT500
Conds.: ---
Formula: -- 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	2,4-DIAMINOTOLUENE

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	152	447	7:27	1	1.000	A BB	23205.	40.000	UG/L	5.41
2	136	626	10:26	2	1.000	A BB	93713.	40.000	UG/L	5.41
3	164	878	14:38	3	1.000	A BB	42827.	40.000	UG/L	5.41
4	188	1084	18:04	4	1.000	A BB	77529.	40.000	UG/L	5.41
5	240	1463	24:23	5	1.000	A BB	60846.	40.000	UG/L	5.41
6	264	1654	27:34	6	1.000	A BB	52757.	40.000	UG/L	5.41
7	121	801	13:21	3	0.912	M XX	485864.	500.000	UG/L	67.57

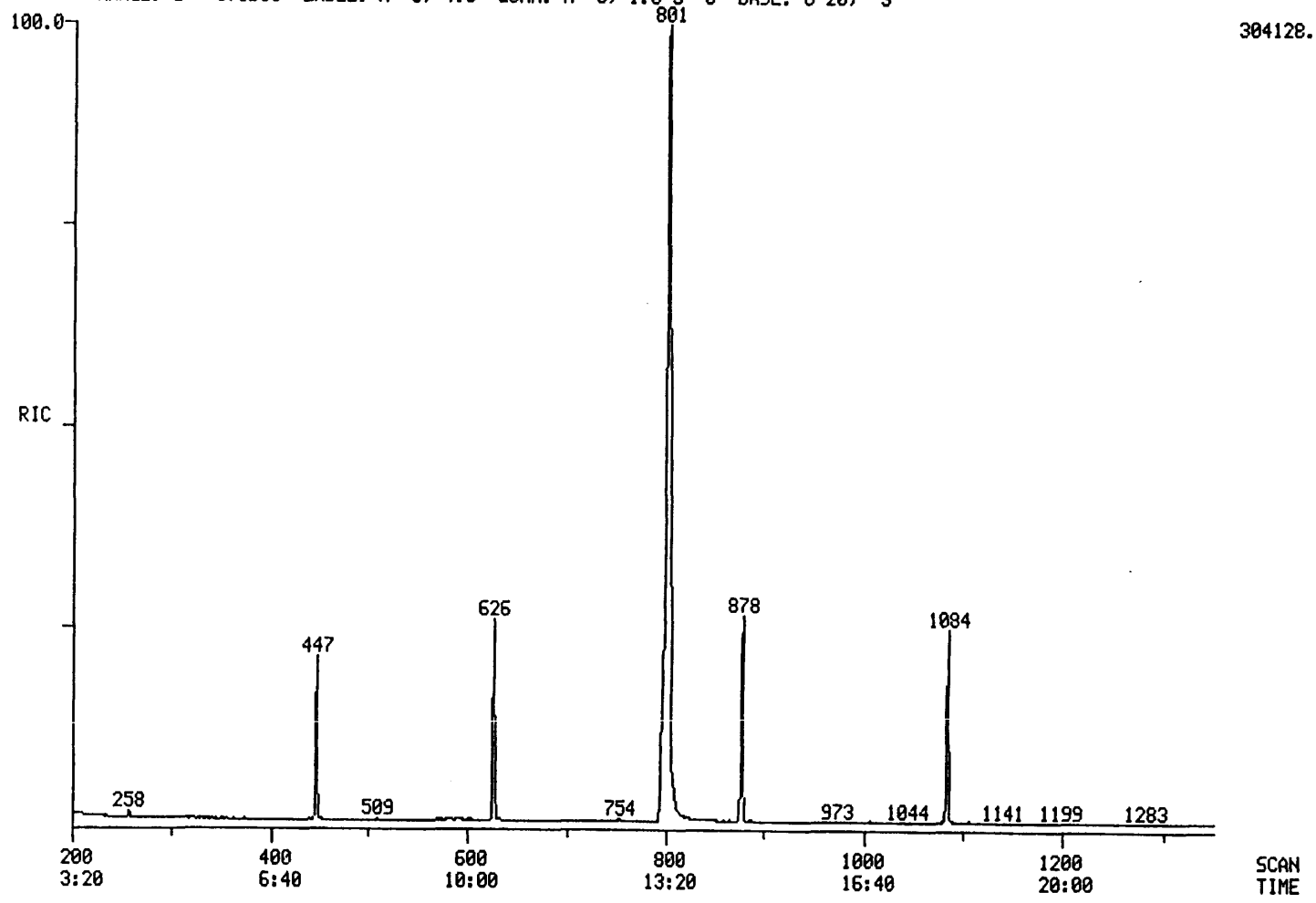
No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	7:27	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	10:26	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	14:38	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	18:04	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	24:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	27:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	13:21	1.00	0.912	1.00	500.00	500.00	0.908	0.908	1.00

CHESTER LABNET DC # ---14

RIC
06/08/93 11:02:00
SAMPLE: SSTD DAT500
CONDS.: ---
RANGE: G 1,1905 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: ES0608C03 #1
CALI: ES0608C03 #3

SCANS 200 TO 1350



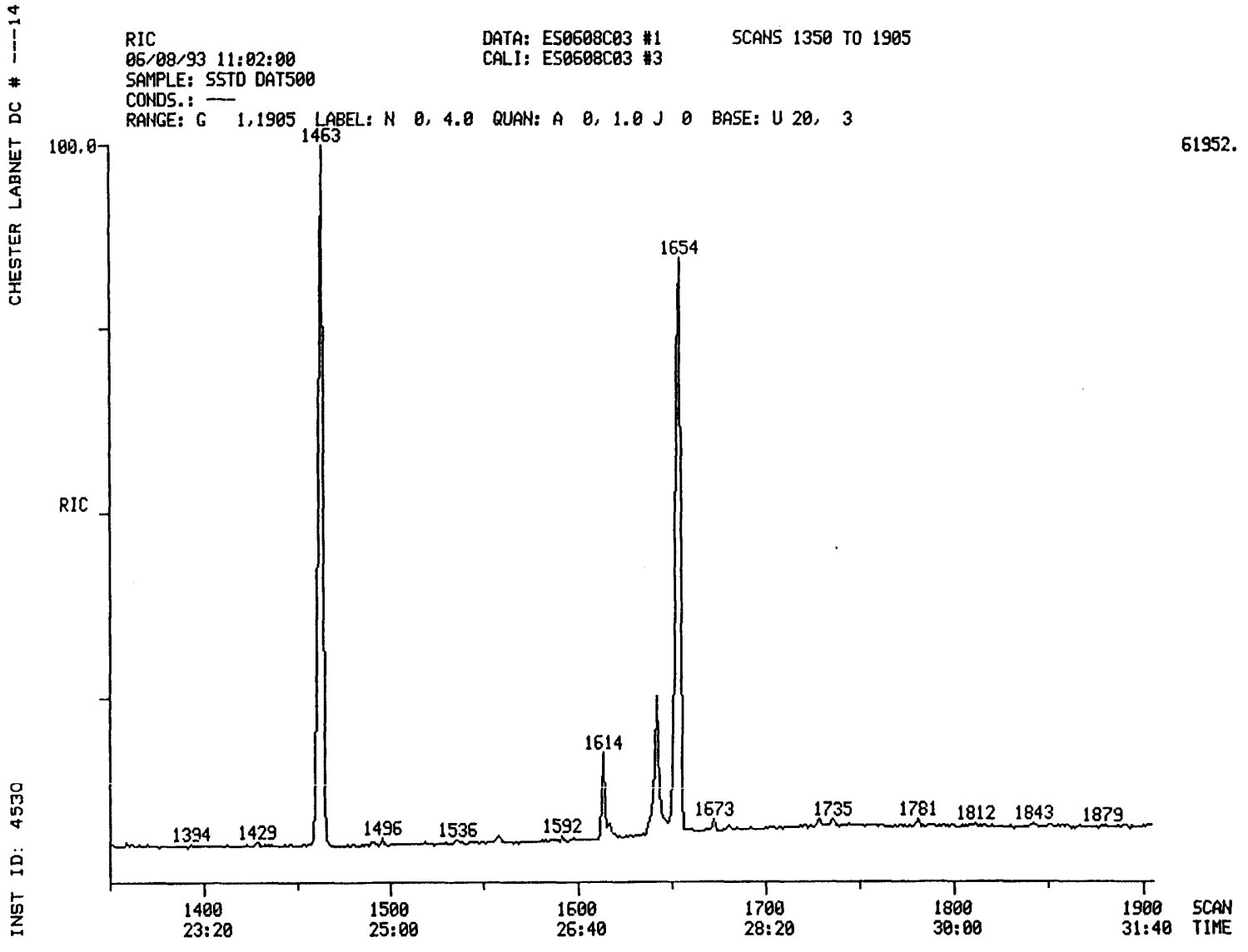
304128.

INST ID: 4530

000168

010650

010650



000169

010651

010651

010652

CALIBRATION CHECK - SEMIVOLATILE HSL COMPOUNDS

CASE NO. -- CONTRACT LAB: CHESTER LABNET

CONTRACT NO. -- INSTRUMENT IDENTIFIER: 4530

CALIBRATION DATE: 06/02/93

STANDARD FILE: ES0609C02

DATE: 06/09/93 TIME: 8:17

MAXIMUM % D FOR CCC IS 20

	COMPOUND	MEAN RF(I)	RF(O)	% D
C315	PHENOL	1.837	1.909	3.966
C325	BIS(2-CHLOROETHYL)ETHE	1.675	1.714	2.319
C330	2-CHLOROPHENOL	1.466	1.549	5.680
C335	1,3-DICHLOROBENZENE	1.523	1.593	4.648
C340	1,4-DICHLOROBENZENE	1.609	1.684	4.618
C345	BENZYL ALCOHOL	0.795	0.849	6.744
C350	1,2-DICHLOROBENZENE	1.547	1.583	2.347
C355	2-METHYLPHENOL	1.311	1.308	-0.292
C357	2,2'-OXYBIS(1-CHLOROPR	2.093	2.066	-1.311
C365	4-METHYLPHENOL	1.422	1.320	-7.149
C370	N-NITROSODIPROPYLAMINE	1.237	1.174	-5.088
C375	HEXACHLOROETHANE	0.609	0.639	4.918
C410	NITROBENZENE	0.388	0.405	4.264
C415	ISOPHORONE	0.750	0.749	-0.219
C420	2-NITROPHENOL	0.194	0.177	-8.717
C425	2,4-DIMETHYLPHENOL	0.274	0.332	21.043
C430	BENZOIC ACID	0.150	0.111	-25.936
C435	BIS(2-CHLOROETHOXY)MET	0.525	0.493	-6.029
C440	2,4-DICHLOROPHENOL	0.256	0.258	0.563
C445	1,2,4-TRICHLOROBENZENE	0.299	0.298	-0.062
C450	NAPHTHALENE	1.077	1.083	0.534
C455	4-CHLOROANILINE	0.404	0.289	-28.403
C460	HEXACHLOROBUTADIENE	0.153	0.161	5.406
C465	P-CHLORO-M-CRESOL	0.302	0.307	1.518
C470	2-METHYLNAPHTHALENE	0.747	0.777	4.066
C510	HEXACHLOROCYCLOPENTADI	0.302	0.405	33.851
C515	2,4,6-TRICHLOROPHENOL	0.514	0.424	-17.434
C520	2,4,5-TRICHLOROPHENOL	0.343	0.422	23.135
C525	2-CHLORONAPHTHALENE	1.332	1.353	1.569
C530	2-NITROANILINE	0.465	0.456	-1.903
C535	DIMETHYL PHTHALATE	1.603	1.557	-2.905
C540	ACENAPHTHYLENE	2.111	2.144	1.581
C545	3-NITROANILINE	0.302	0.153	-49.403
C550	ACENAPHTHENE	1.278	1.298	1.567
C555	2,4-DINITROPHENOL	0.164	0.099	-39.955
C560	4-NITROPHENOL	0.097	0.075	-21.958
C565	DIBENZOFURAN	1.801	1.894	5.167
C570	2,4-DINITROTOLUENE	0.412	0.411	-0.332
C543	2,6-DINITROTOLUENE	0.344	0.330	-4.051
C580	DIETHYL PHTHALATE	1.687	1.627	-3.518
C585	4-CHLOROPHENYL PHENYL	0.741	0.697	-5.938
C590	FLUORENE	1.362	1.279	-6.129
C595	4-NITROANILINE	0.201	0.167	-16.885
C610	4,6-DINITRO-2-METHYLPH	0.120	0.098	-18.217
C615	N-NITROSODIPHENYLAMINE	0.547	0.492	-10.126
C625	4-BROMOPHENYL PHENYL E	0.225	0.221	-1.959
C630	HEXACHLOROBENZENE	0.234	0.249	6.278
C635	PENTACHLOROPHENOL	0.129	0.121	-5.723
C640	PHENANTHRENE	1.229	1.209	-1.566
C645	ANTHRACENE	0.966	1.016	5.219
C650	DI-N-BUTYL PHTHALATE	1.512	1.441	-4.701
C655	FLUORANTHENE	1.109	1.118	0.838

C715	PYRENE	1.416	1.476	4.244
C720	BUTYL BENZYL PHTHALATE	0.755	0.706	-6.450
C725	3,3'-DICHLOROBENZIDINE	0.324	0.188	-41.897
C730	BENZO(A)ANTHRACENE	1.502	1.293	-13.933
C745	BIS(2-ETHYLHEXYL)PHTHA	1.162	1.043	-10.204
C740	CHRYSENE	0.852	1.095	28.555
C760	DI-N-OCTYL PHTHALATE	2.374	2.012	-15.266
C765	BENZO(B)FLUORANTHENE	1.633	1.354	-17.073
C770	BENZO(K)FLUORANTHENE	1.185	1.374	15.876
C775	BENZO(A)PYRENE	1.193	1.113	-6.633
C780	INDENO(1,2,3-CD)PYRENE	1.150	1.127	-2.004
C785	DIBENZO(A,H)ANTHRACENE	0.862	0.817	-5.192
C790	BENZO(GHI)PERYLENE	1.005	0.871	-13.374
C310	N-NITROSODIMETHYLAMINE	1.160	1.116	-3.798
C620	1,2-DIPHENYL-HYDRAZINE	1.047	1.065	1.715
C320	ANILINE	2.070	2.136	3.180
CS50	2-FLUOROPHENOL ** SU1	1.433	1.595	11.345
CS45	PHENOL-D5 ** SU2 **	1.874	1.999	6.701
CS55	2,4,6-TRIBROMOPHENOL	0.175	0.195	11.113
CS20	NITROBENZENE-D5 ** SU3	0.369	0.412	11.361
CS25	2-FLUOROBIPHENYL **SU4	1.417	1.547	9.176
CS30	;TERPHENYL-D14 ** SU6	1.179	1.358	15.155
CS70	2-CHLOROPHENOL-D4 ** S	1.849	2.053	11.029
CS75	1,2-DICHLOROBENZENE-D4	0.892	0.990	11.060
C647	CARBAZOLE	0.671	0.609	-9.219
CC65	3+4-METHYLPHENOL			
A950	PYRIDINE	1.819	1.691	-7.041

010653

CHESTER LABNET DC # ---17

SV STANDARD REPORT

SAMPLE ID. SSTD050 INST. ID.: 4530

LAB ID. ES0609C02

CLIENT CHESTER ANALYST SC

DATE INJECTED 06/09/93 8:17:00 VERFIED BY

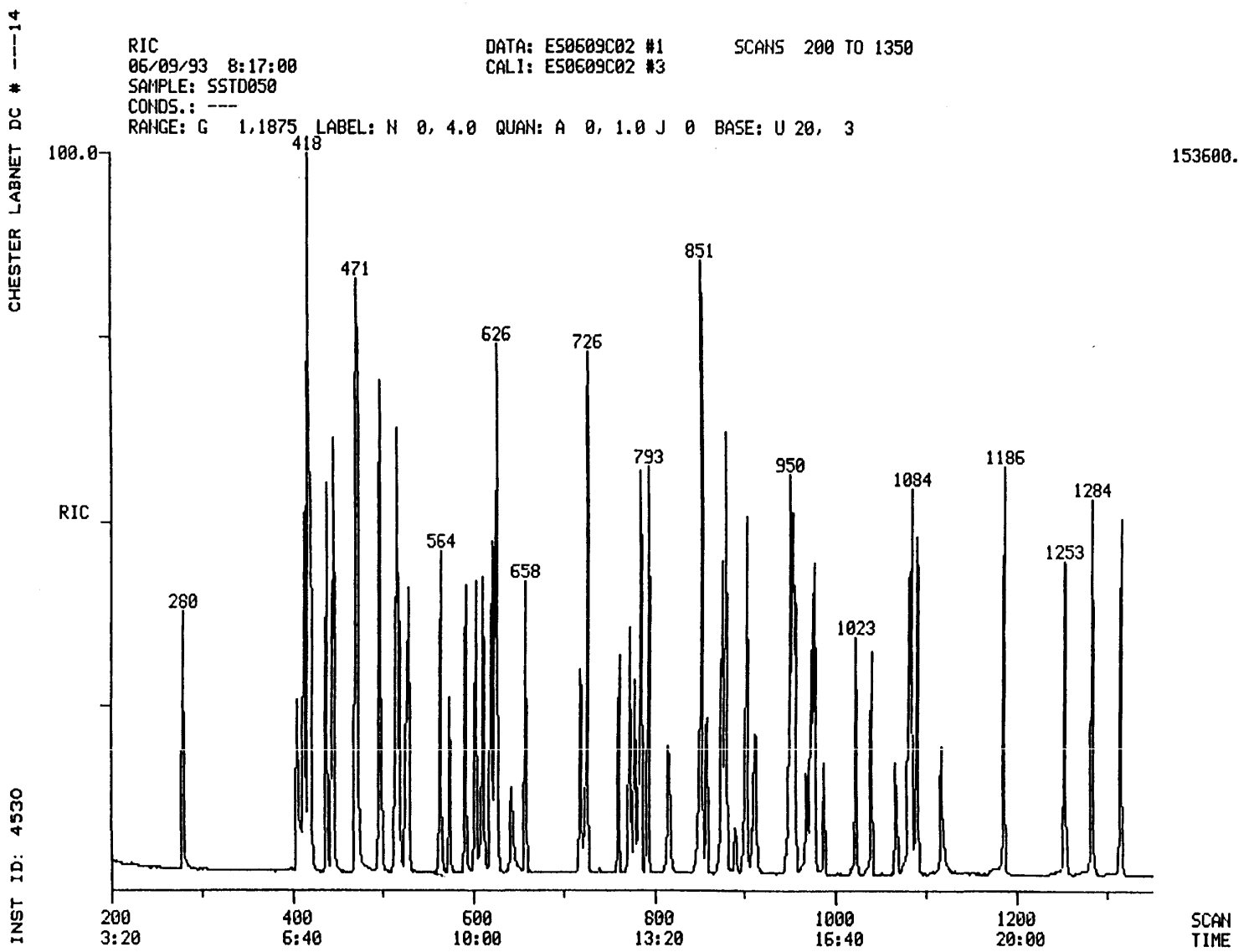
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
CI30	1,4-DICHLOROBENZENE-D4 ** IS1**		152	444	40	21588	1.000	0.999
CI40	NAPHTHALENE-D8 ** IS2 **		136	623	40	84474	1.000	0.999
CI50	ACENAPHTHENE-D10 ** IS3 **		164	874	40	37530	1.000	0.999
CI60	PHENANTHRENE-D10 ** IS4 **		188	1081	40	63566	1.000	1.000
CI70	CHRYSENE-D12 ** IS5 **		240	1459	40	46914	1.000	0.999
CI75	PERYLENE-D12 ** IS6 **		264	1650	40	42440	1.000	0.999
CS50	2-FLUOROPHENOL ** SU1 **		112	280	50	43050	0.631	1.595
CS45	PHENOL-D5 ** SU2 **		99	413	50	53951	0.930	1.999
CS55	2,4,6-TRIBROMOPHENOL ** SU5 **		330	987	50	9135	1.129	0.195
CS20	NITROBENZENE-D5 ** SU3 **		82	525	50	43452	0.843	0.412
CS25	2-FLUOROBIPHENYL **SU4 **		172	784	50	72586	0.897	1.547
CS30	TERPHENYL-D14 ** SU6 **		244	1316	50	79621	0.902	1.358
C315	PHENOL	10A	94	414	50	51525	0.932	1.909
C325	BIS(2-CHLOROETHYL)ETHER	11B	93	418	50	46244	0.941	1.714
C330	2-CHLOROPHENOL	1A	128	420	50	41798	0.946	1.549
C335	1,3-DICHLOROBENZENE	21B	146	438	50	42997	0.986	1.593
C340	1,4-DICHLOROBENZENE	22B	146	446	50	45435	1.005	1.684
C345	BENZYL ALCOHOL		108	472	50	22908	1.063	0.849
C350	1,2-DICHLOROBENZENE	20B	146	471	50	42726	1.061	1.583
C355	2-METHYLPHENOL		108	496	50	35287	1.117	1.308
C357	2,2'-OXYBIS(1-CHLOROPROPANE)		45	496	50	55742	1.117	2.066
C365	4-METHYLPHENOL		108	517	50	35624	1.164	1.320
C370	N-NITROSODIPROPYLAMINE	42B	70	514	50	31672	1.158	1.174
C375	HEXACHLOROETHANE	36B	117	515	50	17232	1.160	0.639
C410	NITROBENZENE	40B	77	528	50	42732	0.848	0.405
C415	ISOPHORONE	38B	82	564	50	79060	0.905	0.749
C420	2-NITROPHENOL	6A	139	574	50	18674	0.921	0.177
C425	2,4-DIMETHYLPHENOL	3A	107	591	50	35052	0.949	0.332
C430	BENZOIC ACID		122	611	50	11696	0.981	0.111
C435	BIS(2-CHLOROETHOXY)METHANE	10B	93	602	50	52059	0.966	0.493
C440	2,4-DICHLOROPHENOL	2A	162	610	50	27216	0.979	0.258
C445	1,2,4-TRICHLOROBENZENE	46B	180	620	50	31504	0.995	0.298
C450	NAPHTHALENE	39B	128	626	50	114318	1.005	1.083
C455	4-CHLOROANILINE		127	642	50	30514	1.030	0.289
C460	HEXACHLOROBUTADIENE	34B	225	658	50	17009	1.056	0.161
C465	P-CHLORO-M-CRESOL	8A	107	718	50	32371	1.152	0.307
C470	2-METHYLNAPHTHALENE		142	726	50	82088	1.165	0.777
C510	HEXACHLOROCYCLOPENTADIENE	35B	237	761	50	18989	0.871	0.405
C515	2,4,6-TRICHLOROPHENOL	11A	196	773	50	19902	0.884	0.424
C520	2,4,5-TRICHLOROPHENOL		196	778	50	19820	0.890	0.422
C525	2-CHLORONAPHTHALENE	16B	162	793	50	63465	0.907	1.353
C530	2-NITROANILINE		65	815	50	21395	0.932	0.456
C535	DIMETHYL PHTHALATE	25B	163	851	50	73033	0.974	1.557
C540	ACENAPHTHYLENE	2B	152	852	50	100603	0.975	2.144
C545	3-NITROANILINE		138	876	50	7160	1.002	0.153
C550	ACENAPHTHENE	1B	153	879	50	60881	1.006	1.298

CHESTER LABNET DC # ---17

SV STANDARD REPORT PAGE 2

DATAFILE ES0609C02

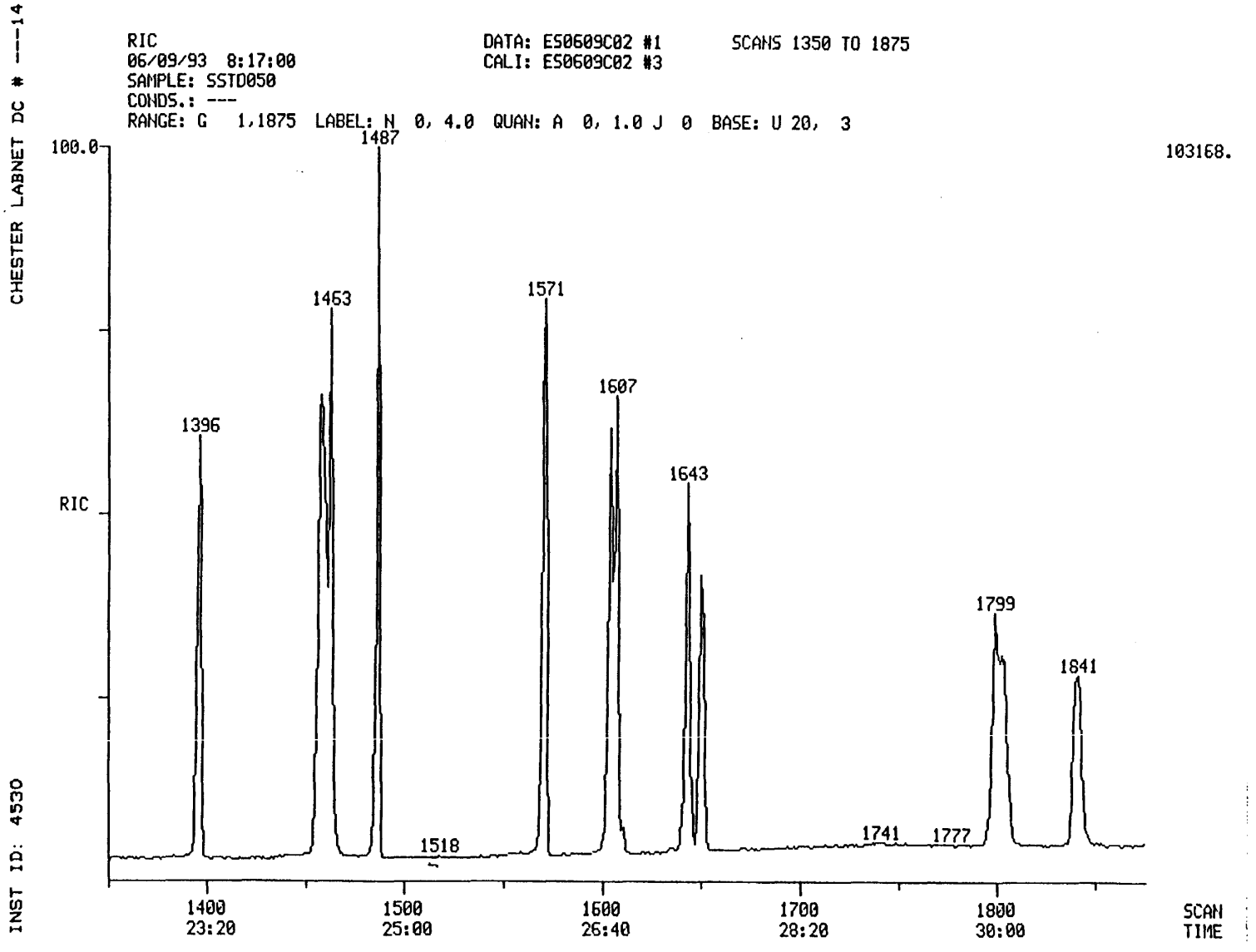
	SV COMPOUNDS		M/E	SCAN#	AMOUNT	AREA	RRT	RF
C555	2,4-DINITROPHENOL	5A	184	889	50	4622	1.017	0.099
C560	4-NITROPHENOL	7A	109	908	50	3541	1.039	0.075
C565	DIBENZOFURAN		168	902	50	88841	1.032	1.894
C570	2,4-DINITROTOLUENE	27B	165	911	50	19286	1.042	0.411
C543	2,6-DINITROTOLUENE	28B	165	857	50	15489	0.981	0.330
C580	DIETHYL PHTHALATE	24B	149	953	50	76336	1.090	1.627
C585	4-CHLOROPHENYL PHENYL ETHER	17B	204	955	50	32708	1.093	0.697
C590	FLUORENE	32B	166	950	50	59985	1.087	1.279
C595	4-NITROANILINE		138	966	50	7821	1.105	0.167
C610	4,6-DINITRO-2-METHYLPHENOL	4A	198	968	50	7820	0.895	0.098
C615	N-NITROSODIPHENYLAMINE	43B	169	974	50	39076	0.901	0.492
C625	4-BROMOPHENYL PHENYL ETHER	14B	248	1023	50	17556	0.946	0.221
C630	HEXACHLOROBENZENE	33B	284	1040	50	19747	0.962	0.249
C635	PENTACHLOROPHENOL	9A	266	1067	50	9641	0.987	0.121
C640	PHENANTHRENE	44B	178	1084	50	96085	1.003	1.209
C645	ANTHRACENE	3B	178	1090	50	80725	1.008	1.016
C650	DI-N-BUTYL PHTHALATE	26B	149	1186	50	114520	1.097	1.441
C655	FLUORANTHENE	31B	202	1253	50	88840	1.159	1.118
C715	PYRENE	45B	202	1284	50	86542	0.880	1.476
C720	BUTYL BENZYL PHTHALATE	15B	149	1396	50	41422	0.957	0.706
C725	3,3'-DICHLOROBENZIDINE	23B	252	1462	50	11030	1.002	0.188
C730	BENZO(A)ANTHRACENE	5B	228	1457	50	75804	0.999	1.293
C745	BIS(2-ETHYLHEXYL)PHTHALATE	13B	149	1487	50	61168	1.019	1.043
C740	CHRYSENE	18B	228	1463	50	64207	1.003	1.095
C760	DI-N-OCTYL PHTHALATE	29B	149	1571	50	106718	0.952	2.012
C765	BENZO(B)FLUORANTHENE	7B	252	1604	50	71826	0.972	1.354
C770	BENZO(K)FLUORANTHENE	9B	252	1607	50	72874	0.974	1.374
C775	BENZO(A)PYRENE	6B	252	1643	50	59068	0.996	1.113
C780	INDENO(1,2,3-CD)PYRENE	37B	276	1799	50	59792	1.090	1.127
C785	DIBENZO(A,H)ANTHRACENE	19B	278	1804	50	43342	1.093	0.817
C790	BENZO(GHI)PERYLENE	8B	276	1840	50	46191	1.115	0.871
C310	N-NITROSODIMETHYLAMINE	41B	74	138	50	30111	0.311	1.116
C710	BENZIDINE	4B						
CS70	2-CHLOROPHENOL-D4 ** SU7 **		132	418	50	55394	0.941	2.053
CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **		152	469	50	26723	1.056	0.990
C647	CARBAZOLE		167	1117	50	48427	1.033	0.609
C320	ANILINE		93	405	50	57648	0.912	2.136
A950	PYRIDINE		79	139	50	45619	0.313	1.691
C620	1,2-DIPHENYL-HYDRAZINE	30B	77	977	50	84603	0.904	1.065



000174

010656

010656



000175

010657

010657

010658

Quantitation Report File: ES0609C02

Data: ES0609C02.TI
06/09/93 8:17:00
Sample: SSTD050
Conds.: ---
Formula: -- Instrument: 4530 Weight: 1.000
Submitted by: CHESTER Analyst: SC Acct. No.: --

AMOUNT=AREA * REF AMNT/(REP 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

010659

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	444	7:24	1	1.000	A BB	21588.	40.000 UG/L	0.97
2	136	623	10:23	2	1.000	A BB	84474.	40.000 UG/L	0.97
3	164	874	14:34	3	1.000	A BB	37530.	40.000 UG/L	0.97
4	188	1081	18:01	4	1.000	A BB	63566.	40.000 UG/L	0.97
5	240	1459	24:19	5	1.000	A VB	46914.	40.000 UG/L	0.97
6	264	1650	27:30	6	1.000	A BB	42440.	40.000 UG/L	0.97
7	112	280	4:40	1	0.631	A BB	43050.	50.000 UG/L	1.21
8	99	413	6:53	1	0.930	A BV	53951.	50.000 UG/L	1.21
9	330	987	16:27	3	1.129	A BB	9135.	50.000 UG/L	1.21
10	82	525	8:45	2	0.843	A BB	43452.	50.000 UG/L	1.21
11	172	784	13:04	3	0.897	A BB	72586.	50.000 UG/L	1.21
12	244	1316	21:56	5	0.902	A BB	79621.	50.000 UG/L	1.21
13	94	414	6:54	1	0.932	A VB	51525.	50.000 UG/L	1.21
14	93	418	6:58	1	0.941	A VB	46244.	50.000 UG/L	1.21
15	128	420	7:00	1	0.946	A BB	41798.	50.000 UG/L	1.21
16	146	438	7:18	1	0.986	A BV	42997.	50.000 UG/L	1.21
17	146	446	7:26	1	1.005	A VB	45435.	50.000 UG/L	1.21
18	108	472	7:52	1	1.063	A BB	22908.	50.000 UG/L	1.21
19	146	471	7:51	1	1.061	A BB	42726.	50.000 UG/L	1.21
20	108	496	8:16	1	1.117	A BB	35287.	50.000 UG/L	1.21
21	45	496	8:16	1	1.117	A BB	55742.	50.000 UG/L	1.21
22	108	517	8:37	1	1.164	A BB	35624.	50.000 UG/L	1.21
23	70	514	8:34	1	1.158	A BB	31672.	50.000 UG/L	1.21
24	117	515	8:35	1	1.160	A BB	17232.	50.000 UG/L	1.21
25	77	528	8:48	2	0.848	A VB	42732.	50.000 UG/L	1.21
26	82	564	9:24	2	0.905	A BB	79060.	50.000 UG/L	1.21
27	139	574	9:34	2	0.921	A BB	18674.	50.000 UG/L	1.21
28	107	591	9:51	2	0.949	A BB	35052.	50.000 UG/L	1.21
29	122	611	10:11	2	0.981	A BV	11696.	50.000 UG/L	1.21
30	93	602	10:02	2	0.966	A BB	52059.	50.000 UG/L	1.21
31	162	610	10:10	2	0.979	A BB	27216.	50.000 UG/L	1.21
32	180	620	10:20	2	0.995	A BB	31504.	50.000 UG/L	1.21
33	128	626	10:26	2	1.005	A BB	114318.	50.000 UG/L	1.21
34	127	642	10:42	2	1.030	A BB	30514.	50.000 UG/L	1.21
35	225	658	10:58	2	1.056	A BB	17009.	50.000 UG/L	1.21
36	107	718	11:58	2	1.152	A BB	32371.	50.000 UG/L	1.21
37	142	726	12:06	2	1.165	A VB	82088.	50.000 UG/L	1.21
38	237	761	12:41	3	0.871	A BB	18989.	50.000 UG/L	1.21
39	196	773	12:53	3	0.884	A BV	19902.	50.000 UG/L	1.21
40	196	778	12:58	3	0.890	A VB	19820.	50.000 UG/L	1.21
41	162	793	13:13	3	0.907	A BB	63465.	50.000 UG/L	1.21
42	65	815	13:35	3	0.932	A BB	21395.	50.000 UG/L	1.21
43	163	851	14:11	3	0.974	A BB	73033.	50.000 UG/L	1.21
44	152	852	14:12	3	0.975	A BB	100603.	50.000 UG/L	1.21
45	138	876	14:36	3	1.002	A BB	7160.	50.000 UG/L	1.21
46	153	879	14:39	3	1.006	A BB	60881.	50.000 UG/L	1.21
47	184	889	14:49	3	1.017	A BB	4622.	50.000 UG/L	1.21
48	109	908	15:08	3	1.039	A BB	3541.	50.000 UG/L	1.21
49	168	902	15:02	3	1.032	A BB	88841.	50.000 UG/L	1.21
50	165	911	15:11	3	1.042	A BB	19286.	50.000 UG/L	1.21

010660

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	7:24	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
2	10:23	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
3	14:34	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
4	18:01	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
5	24:19	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
6	27:30	1.00	1.000	1.00	40.00	40.00	1.000	1.000	1.00
7	4:40	1.00	0.631	1.00	50.00	50.00	1.595	1.595	1.00
8	6:53	1.00	0.930	1.00	50.00	50.00	1.999	1.999	1.00
9	16:27	1.00	1.129	1.00	50.00	50.00	0.195	0.195	1.00
10	8:45	1.00	0.843	1.00	50.00	50.00	0.412	0.412	1.00
11	13:04	1.00	0.897	1.00	50.00	50.00	1.547	1.547	1.00
12	21:56	1.00	0.902	1.00	50.00	50.00	1.358	1.358	1.00
13	6:54	1.00	0.932	1.00	50.00	50.00	1.909	1.909	1.00
14	6:58	1.00	0.941	1.00	50.00	50.00	1.714	1.714	1.00
15	7:00	1.00	0.946	1.00	50.00	50.00	1.549	1.549	1.00
16	7:18	1.00	0.986	1.00	50.00	50.00	1.593	1.593	1.00
17	7:26	1.00	1.005	1.00	50.00	50.00	1.684	1.684	1.00
18	7:52	1.00	1.063	1.00	50.00	50.00	0.849	0.849	1.00
19	7:51	1.00	1.061	1.00	50.00	50.00	1.583	1.583	1.00
20	8:16	1.00	1.117	1.00	50.00	50.00	1.308	1.308	1.00
21	8:16	1.00	1.117	1.00	50.00	50.00	2.066	2.066	1.00
22	8:37	1.00	1.164	1.00	50.00	50.00	1.320	1.320	1.00
23	8:34	1.00	1.158	1.00	50.00	50.00	1.174	1.174	1.00
24	8:35	1.00	1.160	1.00	50.00	50.00	0.639	0.639	1.00
25	8:48	1.00	0.848	1.00	50.00	50.00	0.405	0.405	1.00
26	9:24	1.00	0.905	1.00	50.00	50.00	0.749	0.749	1.00
27	9:34	1.00	0.921	1.00	50.00	50.00	0.177	0.177	1.00
28	9:51	1.00	0.949	1.00	50.00	50.00	0.332	0.332	1.00
29	10:11	1.00	0.981	1.00	50.00	50.00	0.111	0.111	1.00
30	10:02	1.00	0.966	1.00	50.00	50.00	0.493	0.493	1.00
31	10:10	1.00	0.979	1.00	50.00	50.00	0.258	0.258	1.00
32	10:20	1.00	0.995	1.00	50.00	50.00	0.298	0.298	1.00
33	10:26	1.00	1.005	1.00	50.00	50.00	1.083	1.083	1.00
34	10:42	1.00	1.030	1.00	50.00	50.00	0.289	0.289	1.00
35	10:58	1.00	1.056	1.00	50.00	50.00	0.161	0.161	1.00
36	11:58	1.00	1.152	1.00	50.00	50.00	0.307	0.307	1.00
37	12:06	1.00	1.165	1.00	50.00	50.00	0.777	0.777	1.00
38	12:41	1.00	0.871	1.00	50.00	50.00	0.405	0.405	1.00
39	12:53	1.00	0.884	1.00	50.00	50.00	0.424	0.424	1.00
40	12:58	1.00	0.890	1.00	50.00	50.00	0.422	0.422	1.00
41	13:13	1.00	0.907	1.00	50.00	50.00	1.353	1.353	1.00
42	13:35	1.00	0.932	1.00	50.00	50.00	0.456	0.456	1.00
43	14:11	1.00	0.974	1.00	50.00	50.00	1.557	1.557	1.00
44	14:12	1.00	0.975	1.00	50.00	50.00	2.144	2.144	1.00
45	14:36	1.00	1.002	1.00	50.00	50.00	0.153	0.153	1.00
46	14:39	1.00	1.006	1.00	50.00	50.00	1.298	1.298	1.00
47	14:49	1.00	1.017	1.00	50.00	50.00	0.099	0.099	1.00
48	15:08	1.00	1.039	1.00	50.00	50.00	0.075	0.075	1.00
49	15:02	1.00	1.032	1.00	50.00	50.00	1.894	1.894	1.00
50	15:11	1.00	1.042	1.00	50.00	50.00	0.411	0.411	1.00

010661

Quantitation Report File: ES0609C02

Data: ES0609C02.TI
06/09/93 8:17:00
Sample: SSTD050
Conds.: ---
Formula: -- 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	CS70	2-CHLOROPHENOL-D4 ** SU7 **	
80	CS75	1,2-DICHLOROBENZENE-D4 ** SU8 **	
81	C647	CARBAZOLE	
82	C320	ANILINE	
83	A950	PYRIDINE	
84	C620	1,2-DIPHENYL-HYDRAZINE	30B

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
51	165	857	14:17	3	0.981	A BB	15489.	50.000	UG/L	1.21
52	149	953	15:53	3	1.090	A BB	76336.	50.000	UG/L	1.21
53	204	955	15:55	3	1.093	A BB	32708.	50.000	UG/L	1.21
54	166	950	15:50	3	1.087	A BB	59985.	50.000	UG/L	1.21
55	138	966	16:06	3	1.105	M XX	7821.	50.000	UG/L	1.21
56	198	968	16:08	4	0.895	A BB	7820.	50.000	UG/L	1.21
57	169	974	16:14	4	0.901	A BB	39076.	50.000	UG/L	1.21
58	248	1023	17:03	4	0.946	A BB	17556.	50.000	UG/L	1.21
59	284	1040	17:20	4	0.962	A BB	19747.	50.000	UG/L	1.21

010662

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
60	266	1067	17:47	4	0.987	A BB	9641.	50.000	UG/L	1.21
61	178	1084	18:04	4	1.003	A BV	96085.	50.000	UG/L	1.21
62	178	1090	18:10	4	1.008	A VB	80725.	50.000	UG/L	1.21
63	149	1186	19:46	4	1.097	A VB	114520.	50.000	UG/L	1.21
64	202	1253	20:53	4	1.159	A BB	88840.	50.000	UG/L	1.21
65	202	1284	21:24	5	0.880	A VB	86542.	50.000	UG/L	1.21
66	149	1396	23:16	5	0.957	A VB	41422.	50.000	UG/L	1.21
67	252	1462	24:22	5	1.002	A BB	11030.	50.000	UG/L	1.21
68	228	1457	24:17	5	0.999	A BV	75804.	50.000	UG/L	1.21
69	149	1487	24:47	5	1.019	A VB	61168.	50.000	UG/L	1.21
70	228	1463	24:23	5	1.003	A VB	64207.	50.000	UG/L	1.21
71	149	1571	26:11	6	0.952	A VB	106718.	50.000	UG/L	1.21
72	252	1604	26:44	6	0.972	M XX	71826.	50.000	UG/L	1.21
73	252	1607	26:47	6	0.974	M XX	72874.	50.000	UG/L	1.21
74	252	1643	27:23	6	0.996	A BB	59068.	50.000	UG/L	1.21
75	276	1799	29:59	6	1.090	A BB	59792.	50.000	UG/L	1.21
76	278	1804	30:04	6	1.093	A BB	43342.	50.000	UG/L	1.21
77	276	1840	30:40	6	1.115	A BB	46191.	50.000	UG/L	1.21
78	74	138	2:18	1	0.311	A BB	30111.	50.000	UG/L	1.21
79	132	418	6:58	1	0.941	A BB	55394.	50.000	UG/L	1.21
80	152	469	7:49	1	1.056	A BB	26723.	50.000	UG/L	1.21
81	167	1117	18:37	4	1.033	A BB	48427.	50.000	UG/L	1.21
82	93	405	6:45	1	0.912	M XX	57648.	50.000	UG/L	1.21
83	79	139	2:19	1	0.313	A BB	45619.	50.000	UG/L	1.21
84	77	977	16:17	4	0.904	A BB	84603.	50.000	UG/L	1.21

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
51	14:17	1.00	0.981	1.00	50.00	50.00	0.330	0.330	1.00
52	15:53	1.00	1.090	1.00	50.00	50.00	1.627	1.627	1.00
53	15:55	1.00	1.093	1.00	50.00	50.00	0.697	0.697	1.00
54	15:50	1.00	1.087	1.00	50.00	50.00	1.279	1.279	1.00
55	16:06	1.00	1.105	1.00	50.00	50.00	0.167	0.167	1.00
56	16:08	1.00	0.895	1.00	50.00	50.00	0.098	0.098	1.00
57	16:14	1.00	0.901	1.00	50.00	50.00	0.492	0.492	1.00
58	17:03	1.00	0.946	1.00	50.00	50.00	0.221	0.221	1.00
59	17:20	1.00	0.962	1.00	50.00	50.00	0.249	0.249	1.00
60	17:47	1.00	0.987	1.00	50.00	50.00	0.121	0.121	1.00
61	18:04	1.00	1.003	1.00	50.00	50.00	1.209	1.209	1.00
62	18:10	1.00	1.008	1.00	50.00	50.00	1.016	1.016	1.00
63	19:46	1.00	1.097	1.00	50.00	50.00	1.441	1.441	1.00
64	20:53	1.00	1.159	1.00	50.00	50.00	1.118	1.118	1.00
65	21:24	1.00	0.880	1.00	50.00	50.00	1.476	1.476	1.00
66	23:16	1.00	0.957	1.00	50.00	50.00	0.706	0.706	1.00
67	24:22	1.00	1.002	1.00	50.00	50.00	0.188	0.188	1.00
68	24:17	1.00	0.999	1.00	50.00	50.00	1.293	1.293	1.00
69	24:47	1.00	1.019	1.00	50.00	50.00	1.043	1.043	1.00
70	24:23	1.00	1.003	1.00	50.00	50.00	1.095	1.095	1.00
71	26:11	1.00	0.952	1.00	50.00	50.00	2.012	2.012	1.00
72	26:44	1.00	0.972	1.00	50.00	50.00	1.354	1.354	1.00
73	26:47	1.00	0.974	1.00	50.00	50.00	1.374	1.374	1.00
74	27:23	1.00	0.996	1.00	50.00	50.00	1.113	1.113	1.00
75	29:59	1.00	1.090	1.00	50.00	50.00	1.127	1.127	1.00
76	30:04	1.00	1.093	1.00	50.00	50.00	0.817	0.817	1.00
77	30:40	1.00	1.115	1.00	50.00	50.00	0.871	0.871	1.00
78	2:18	1.00	0.311	1.00	50.00	50.00	1.116	1.116	1.00
79	6:58	1.00	0.941	1.00	50.00	50.00	2.053	2.053	1.00

010663

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
80	7:49	1.00	1.056	1.00	50.00	50.00	0.990	0.990	1.00
81	18:37	1.00	1.033	1.00	50.00	50.00	0.609	0.609	1.00
82	6:45	1.00	0.912	1.00	50.00	50.00	2.136	2.136	1.00
83	2:19	1.00	0.313	1.00	50.00	50.00	1.691	1.691	1.00
84	16:17	1.00	0.904	1.00	50.00	50.00	1.065	1.065	1.00

000181

010664

THE FOLLOWING DATA IS

FOR QA/QC

000182

010665

INST ID: 4530 SAMPLE NUMBER: 13 MS

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601603
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: RB DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C03
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/09/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND (MILLIGRAMS / KG)
C730	BENZO(A)ANTHRACENE	140	67 J
C740	CHRYSENE	140	69 J
C765	BENZO(B)FLUORANTHENE	140	52 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	27 J
C780	INDENO(1,2,3-CD)PYRENE	140	8 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	

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

010666

INST ID: 4530 SAMPLE NUMBER: 13 MS

ORGANICS ANALYSIS DATA SHEET -

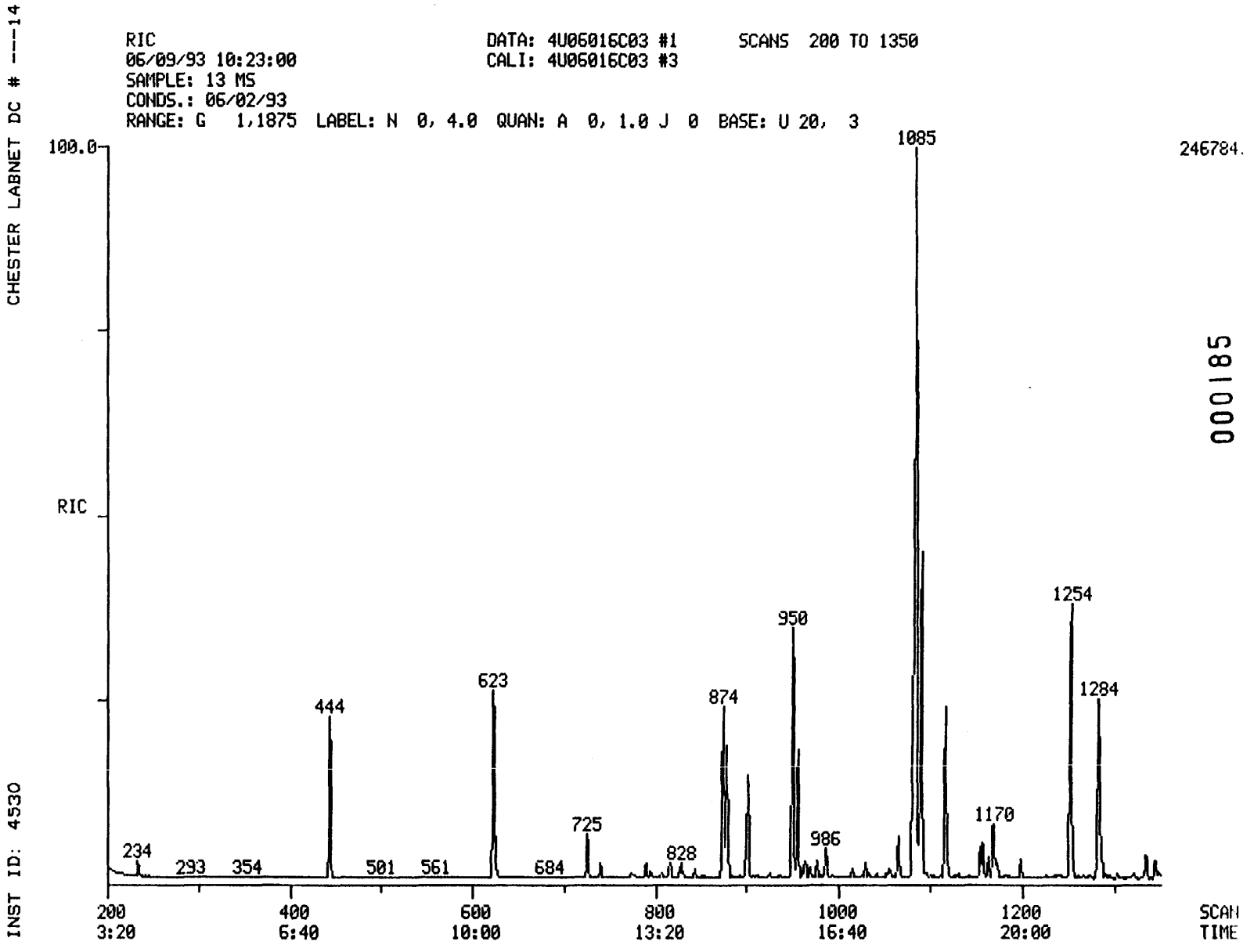
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601603
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C03
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/09/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	140	49 J
C540	ACENAPHTHYLENE	140	4 J
C550	ACENAPHTHENE	140	210
C590	FLUORENE	140	400
C640	PHENANTHRENE	140	1100
C645	ANTHRACENE	140	550
C655	FLUORANTHENE	140	460
C715	PYRENE	140	280
C730	BENZO(A)ANTHRACENE	140	67 J
C740	CHRYSENE	140	69 J
C765	BENZO(B)FLUORANTHENE	140	52 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	27 J
C780	INDENO(1,2,3-CD)PYRENE	140	8 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	
C790	BENZO(GHI)PERYLENE	140	10 J

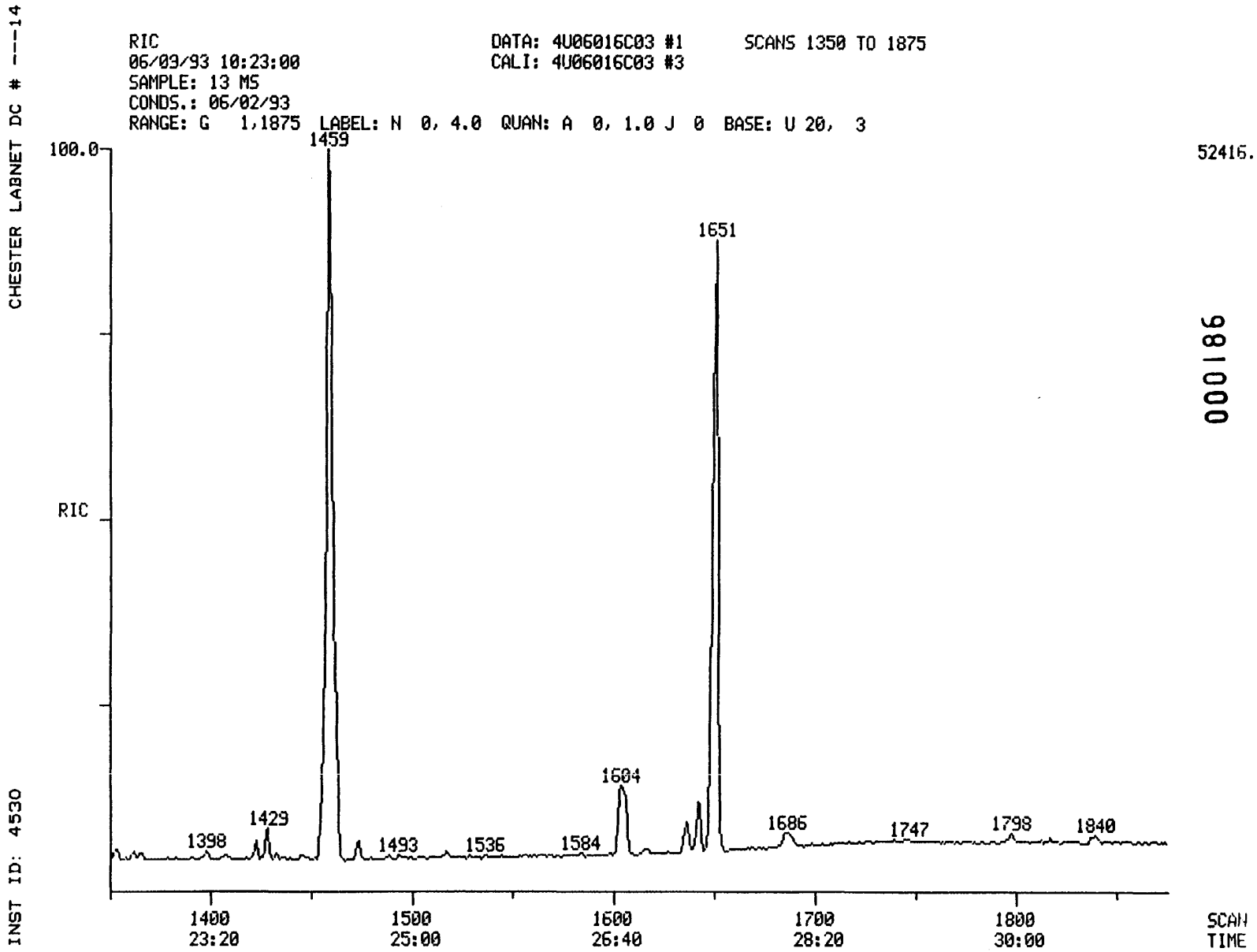
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000185

010667

010667



000186

010668

010668

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010669

SAMPLE ID.	13 MS		
FILENAME	4U06016C03	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/09/93 10:23:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	14.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
444	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	280 MG/KG	1.000	201
623	CI40	NAPHTHALENE-D8 ** IS2 **	136	280 MG/KG	1.000	777
874	CI50	ACENAPHTHENE-D10 ** IS3 **	164	280 MG/KG	1.000	346
1081	CI60	PHENANTHRENE-D10 ** IS4 **	188	280 MG/KG	1.000	620
1459	CI70	CHRYSENE-D12 ** IS5 **	240	280 MG/KG	1.000	512
1651	CI75	PERYLENE-D12 ** IS6 **	264	280 MG/KG	1.000	483
626	C450	NAPHTHALENE	128	49 MG/KG	1.005	147
851	C540	ACENAPHTHYLENE	152	4 MG/KG	0.974	9
878	C550	ACENAPHTHENE	153	206 MG/KG	1.005	330
950	C590	FLUORENE	166	398 MG/KG	1.087	630
1085	C640	PHENANTHRENE	178	1062 MG/KG	1.004	2846
1091	C645	ANTHRACENE	178	551 MG/KG	1.009	1240
1254	C655	FLUORANTHENE	202	461 MG/KG	1.160	1142
1284	C715	PYRENE	202	281 MG/KG	0.880	760
1457	C730	BENZO(A)ANTHRACENE	228	67 MG/KG	0.999	15E
1462	C740	CHRYSENE	228	69 MG/KG	1.002	13E
1604	C765	BENZO(B)FLUORANTHENE	252	52 MG/KG	0.972	121
1642	C775	BENZO(A)PYRENE	252	27 MG/KG	0.995	51
1798	C780	INDENO(1,2,3-CD)PYRENE	276	8 MG/KG	1.089	15
1840	C790	BENZO(GHI)PERYLENE	276	10 MG/KG	1.114	15

*SURROGATES WERE DILUTED OUT

010670

INST ID: 4530 SAMPLE NUMBER: 13 MSD

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601603
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DB DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C04
DATE EXTRACTED: 06/02/9
DATE ANALYZED: 06/09/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	140	62 J
C740	CHRYSENE	140	69 J
C765	BENZO(B)FLUORANTHENE	140	47 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	26 J
C780	INDENO(1,2,3-CD)PYRENE	140	8 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	

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

010671

INST ID: 4530 SAMPLE NUMBER: 13 MSD

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601603
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: ..... DATE SAMPLE RECEIVED: 06/02/93

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C04
DATE EXTRACTED: 06/02/9
DATE ANALYZED: 06/09/93

	COMPOUND	DETECTION LIMIT (MILLIGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	140	45 J
C540	ACENAPHTHYLENE	140	4 J
C550	ACENAPHTHENE	140	190
C590	FLUORENE	140	370
C640	PHENANTHRENE	140	960
C645	ANTHRACENE	140	480
C655	FLUORANTHENE	140	420
C715	PYRENE	140	260
C730	BENZO(A)ANTHRACENE	140	62 J
C740	CHRYSENE	140	69 J
C765	BENZO(B)FLUORANTHENE	140	47 J
C770	BENZO(K)FLUORANTHENE	140 U	
C775	BENZO(A)PYRENE	140	26 J
C780	INDENO(1,2,3-CD)PYRENE	140	8 J
C785	DIBENZO(A,H)ANTHRACENE	140 U	
C790	BENZO(GHI)PERYLENE	140	10 J

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

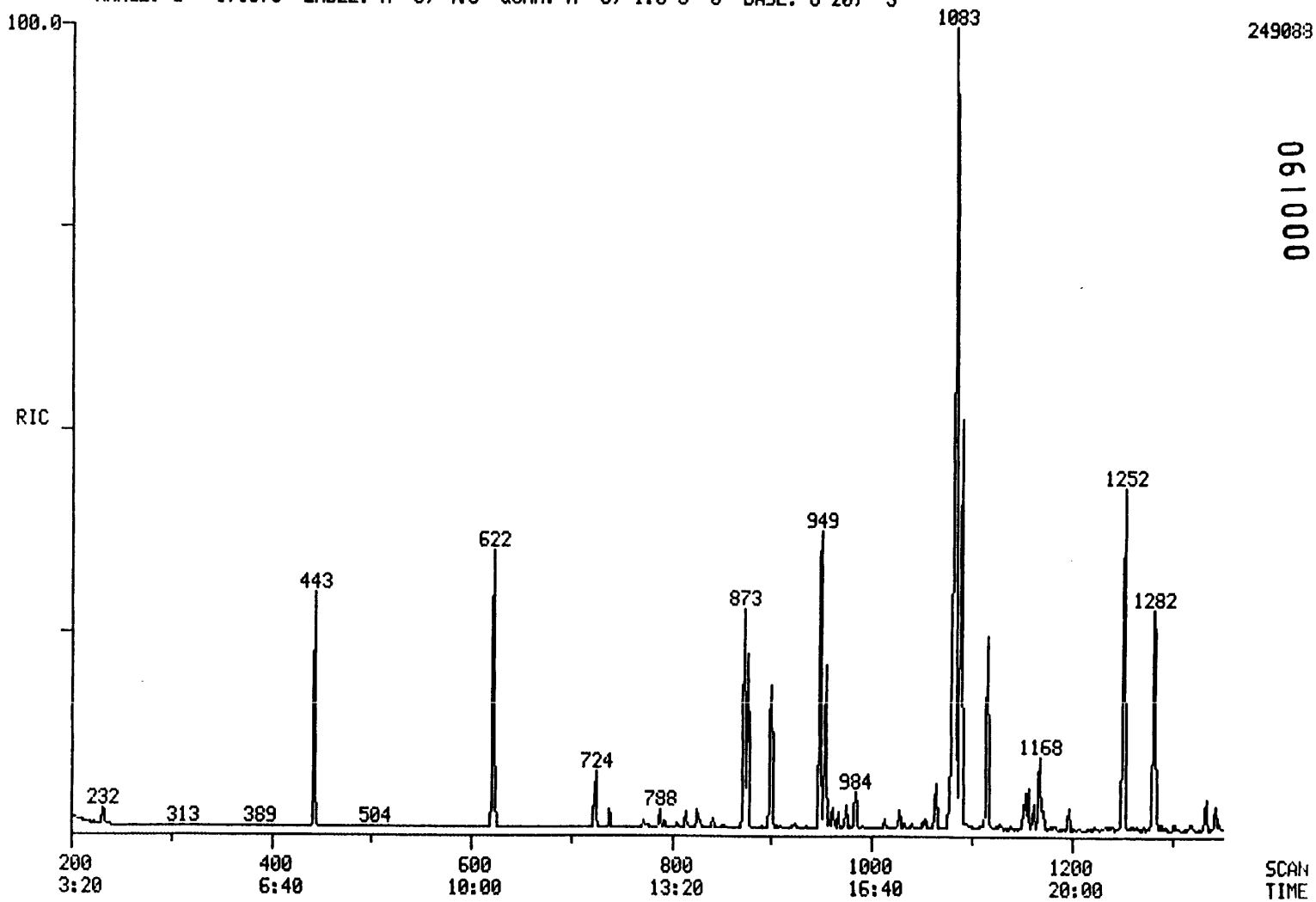
RIC
06/09/93 11:04:00
SAMPLE: 13 MSD
CONDS.: 06/02/93
RANGE: G 1,1875 LABEL: N 0, 4.0 QUAN: A 0, 1.0 J 0 BASE: U 20, 3

DATA: 4U06016C04 #1
CALI: 4U06016C04 #3

SCANS 200 TO 1350

CHESTER LABNET DC # ---14

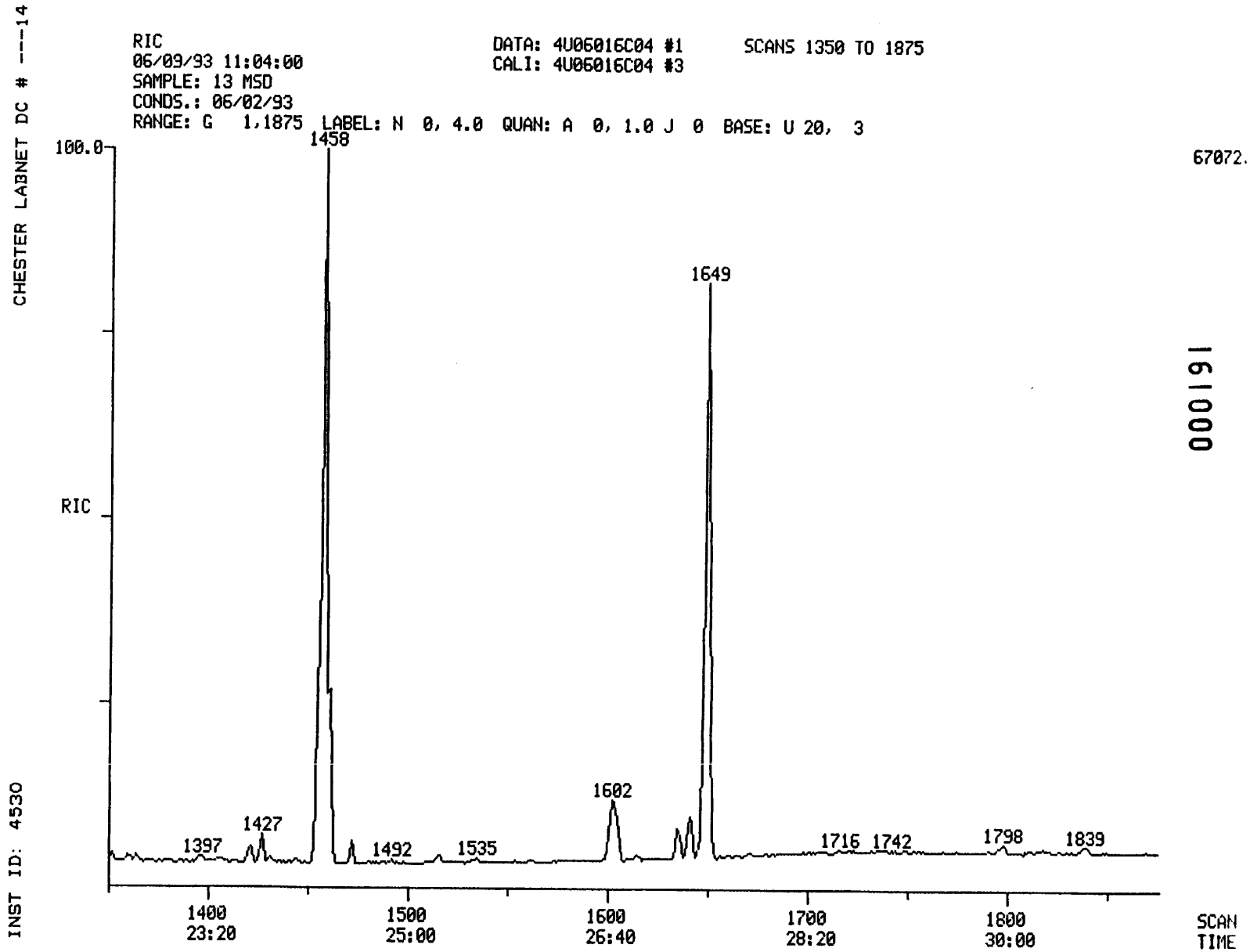
INST ID: 4530



061090

010672

010672



67072.

161000

010673

010673

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010674

SAMPLE ID.	13 MSD		
FILENAME	4U06016C04	INST ID.	4530
CLIENT	DAMES_MO	ANALYST	SC
DATE INJECTED	06/09/93 11:04:00	VERIFIED BY	SC
CALIB STD DATE	06/02/93	CORR. FACTOR	14.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
443	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	280 MG/KG	1.000	238
622	CI40	NAPHTHALENE-D8 ** IS2 **	136	280 MG/KG	1.000	943
872	CI50	ACENAPHTHENE-D10 ** IS3 **	164	280 MG/KG	1.000	422
1080	CI60	PHENANTHRENE-D10 ** IS4 **	188	280 MG/KG	1.000	770
1458	CI70	CHRYSENE-D12 ** IS5 **	240	280 MG/KG	1.000	619
1649	CI75	PERYLENE-D12 ** IS6 **	264	280 MG/KG	1.000	588
624	C450	NAPHTHALENE	128	45 MG/KG	1.003	164
850	C540	ACENAPHTHYLENE	152	4 MG/KG	0.975	12
877	C550	ACENAPHTHENE	153	187 MG/KG	1.006	365
949	C590	FLUORENE	166	367 MG/KG	1.088	707
1083	C640	PHENANTHRENE	178	964 MG/KG	1.003	3205
1089	C645	ANTHRACENE	178	479 MG/KG	1.008	1337
1252	C655	FLUORANTHENE	202	420 MG/KG	1.159	1290
1282	C715	PYRENE	202	259 MG/KG	0.879	844
1456	C730	BENZO(A)ANTHRACENE	228	62 MG/KG	0.999	176
1461	C740	CHRYSENE	228	69 MG/KG	1.002	166
1602	C765	BENZO(B)FLUORANTHENE	252	47 MG/KG	0.971	134
1641	C775	BENZO(A)PYRENE	252	26 MG/KG	0.995	61
1798	C780	INDENO(1,2,3-CD)PYRENE	276	8 MG/KG	1.090	19
1838	C790	BENZO(GHI)PERYLENE	276	10 MG/KG	1.115	17

*SURROGATES WERE DILUTED OUT

010675

INST ID: 4530 SAMPLE NUMBER: SBLK (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 93--
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4B0602C01S
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	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

010676

INST ID: 4530 SAMPLE NUMBER: SBLK (LLS)

ORGANICS ANALYSIS DATA SHEET -

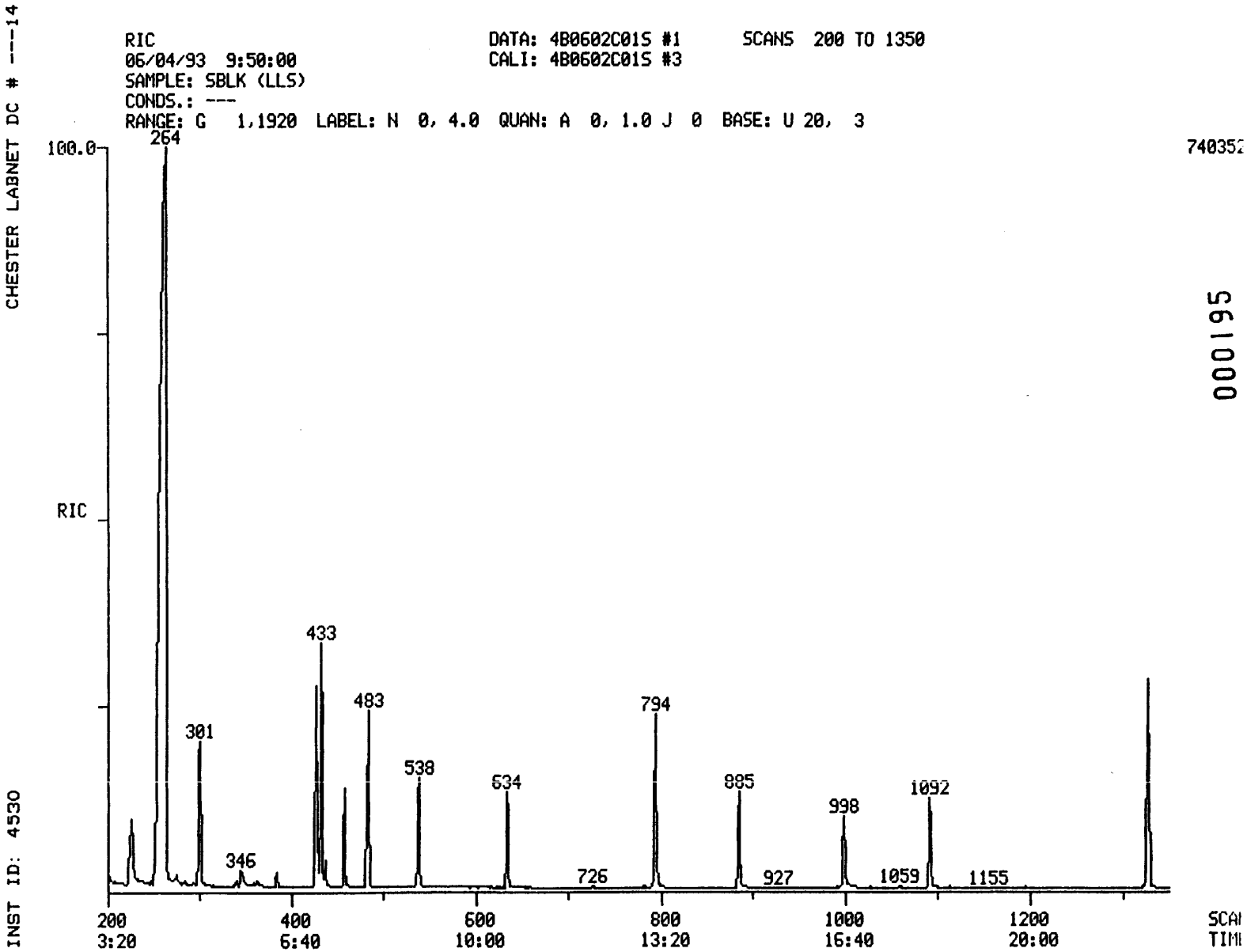
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 93--
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4B0602C01S
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/04/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	330 U	
C540	ACENAPHTHYLENE	330 U	
C550	ACENAPHTHENE	330 U	
C590	FLUORENE	330 U	
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330 U	
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	
C790	BENZO(GHI)PERYLENE	330 U	

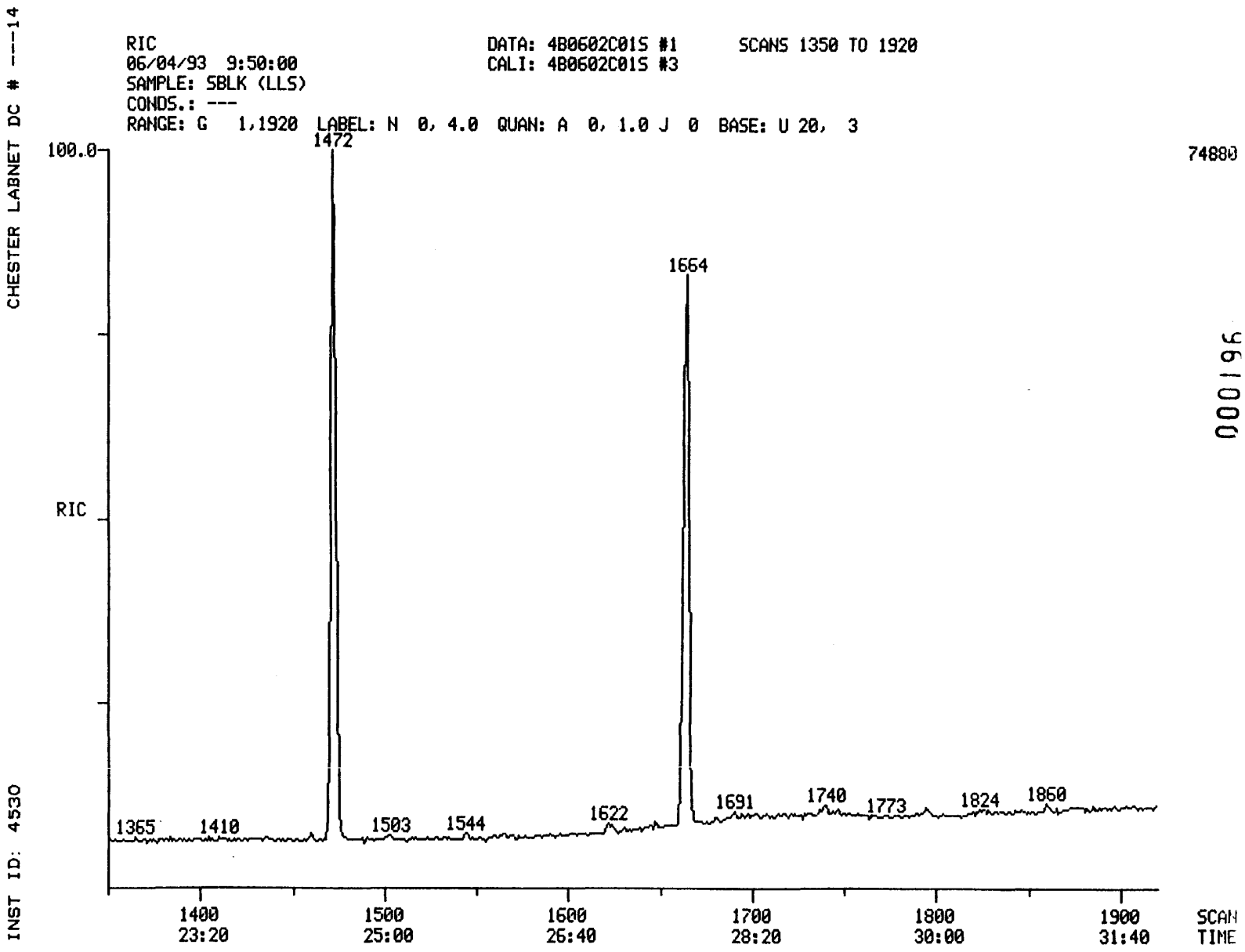
U = UNDETECTED AT THE LISTED DETECTION LIMIT
J = COMPOUND IS PRESENT, BUT BELOW THE LISTED DETECTION LIMIT



000195

010677

010677



000196

010678

010678

CHESTER LABNET DC # ---14

SEMIVOLATILE SOIL REPORT

010679

SAMPLE ID.	SBLK (LLS)		
FILENAME	4B0602C01S	INST ID.	4530
CLIENT	CHESTER	ANALYST	SC
DATE INJECTED	06/04/93 9:50:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	33.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
458	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	660 UG/KG	1.000	31(
634	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000	112E
885	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000	52(
1092	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000	94)
1472	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000	67:
1664	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000	60(
301	CS50	2-FLUOROPHENOL ** SU1 **	112	73 %	0.657	139(
428	CS45	PHENOL-D5 ** SU2 **	99	81 %	0.934	194:
998	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	88 %	1.128	30(
433	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	63 %	0.945	144(
483	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	78 %	1.055	55(
538	CS20	NITROBENZENE-D5 ** SU3 **	82	80 %	0.849	93(
794	CS25	2-FLUOROBIPHENYL **SU4 **	172	78 %	0.897	148:
1328	CS30	TERPHENYL-D14 ** SU6 **	244	97 %	0.902	201(

010680

INST ID: 4530 SAMPLE NUMBER: SBLK SPIKE (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601628
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C28
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C315	PHENOL	330	2200
C325	BIS(2-CHLOROETHYL)ETHER	330 U	
C330	2-CHLOROPHENOL	330	1900
C335	1,3-DICHLOROBENZENE	330 U	
C340	1,4-DICHLOROBENZENE	330	1200
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	1100
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	1300
C450	NAPHTHALENE	330 U	
C455	4-CHLOROANILINE	330 U	
C460	HEXACHLOROBUTADIENE	330 U	
C465	P-CHLORO-M-CRESOL	330	2000
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	1400
C555	2,4-DINITROPHENOL	1650 U	
C560	4-NITROPHENOL	1650	1200 J
C565	DIBENZOFURAN	330 U	
C570	2,4-DINITROTOLUENE	330	1500
C543	2,6-DINITROTOLUENE	330 U	

000198

CHESTER LABNET DC # --- 8

SAMPLE NUMBER: SBLK SPIKE (LLS)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET, CONTINUED

DATAFILE: 4U06016C28

	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	3200
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C650	DI-N-BUTYL PHTHALATE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330	1800
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

010682

INST ID: 4530 SAMPLE NUMBER: SBLK SPIKE (LLS)

ORGANICS ANALYSIS DATA SHEET -

LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601628
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY: DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C28
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C450	NAPHTHALENE	330 U	
C540	ACENAPHTHYLENE	330 U	
C550	ACENAPHTHENE	330	1400
C590	FLUORENE	330 U	
C640	PHENANTHRENE	330 U	
C645	ANTHRACENE	330 U	
C655	FLUORANTHENE	330 U	
C715	PYRENE	330	1800
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	
C790	BENZO(GHI)PERYLENE	330 U	

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

010683

INST ID: 4530 SAMPLE NUMBER: SBLK SPIKE (LLS)

ORGANICS ANALYSIS DATA SHEET -

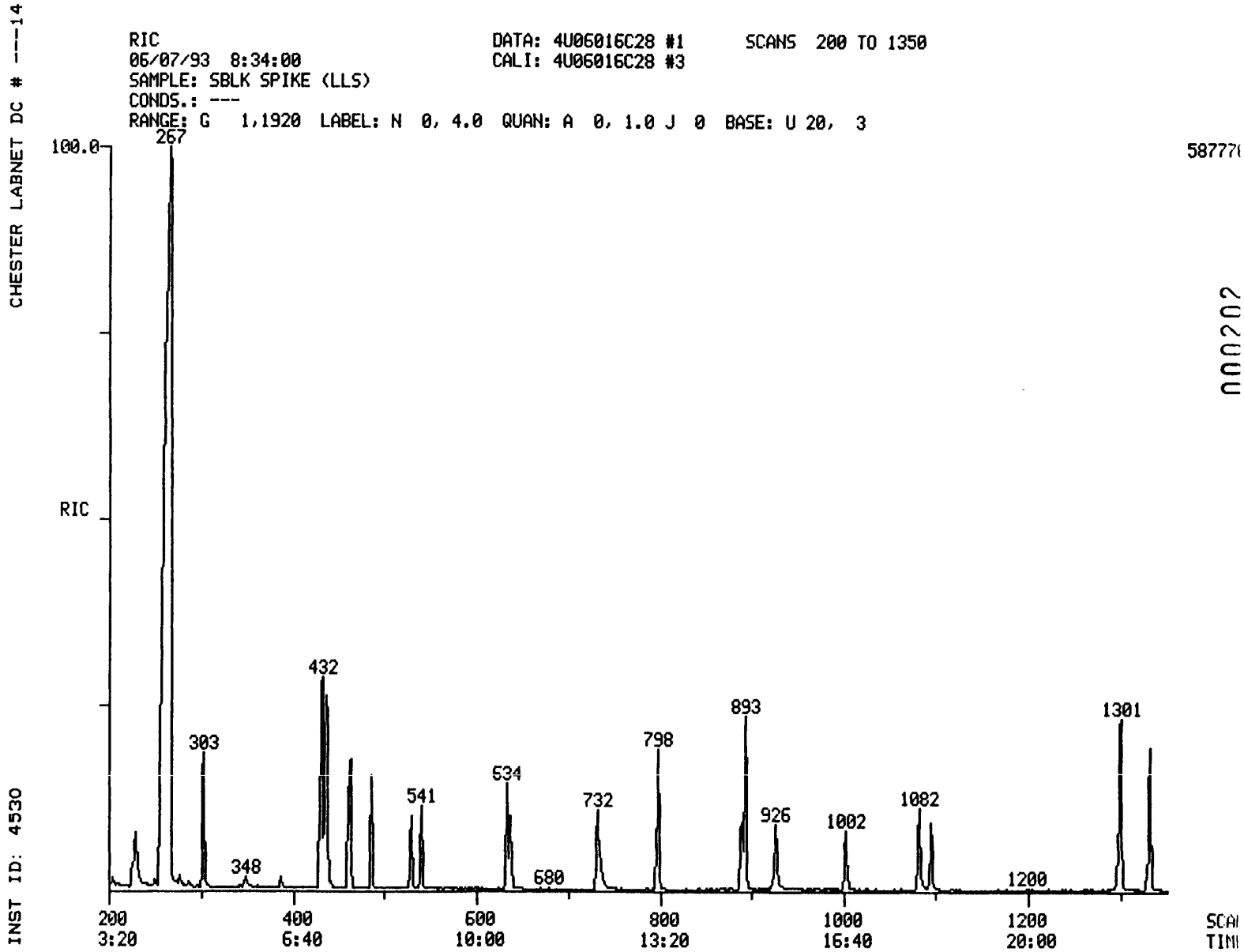
LABORATORY NAME: CHESTER LABNET
LAB SAMPLE ID NO.: 930601628
SAMPLE MATRIX: SOIL
DATA RELEASE AUTHORIZED BY:... DATE SAMPLE RECEIVED: ---

SEMIVOLATILES

CONCENTRATION: LOW DATAFILE: 4U06016C28
DATE EXTRACTED: 06/02/93
DATE ANALYZED: 06/07/93

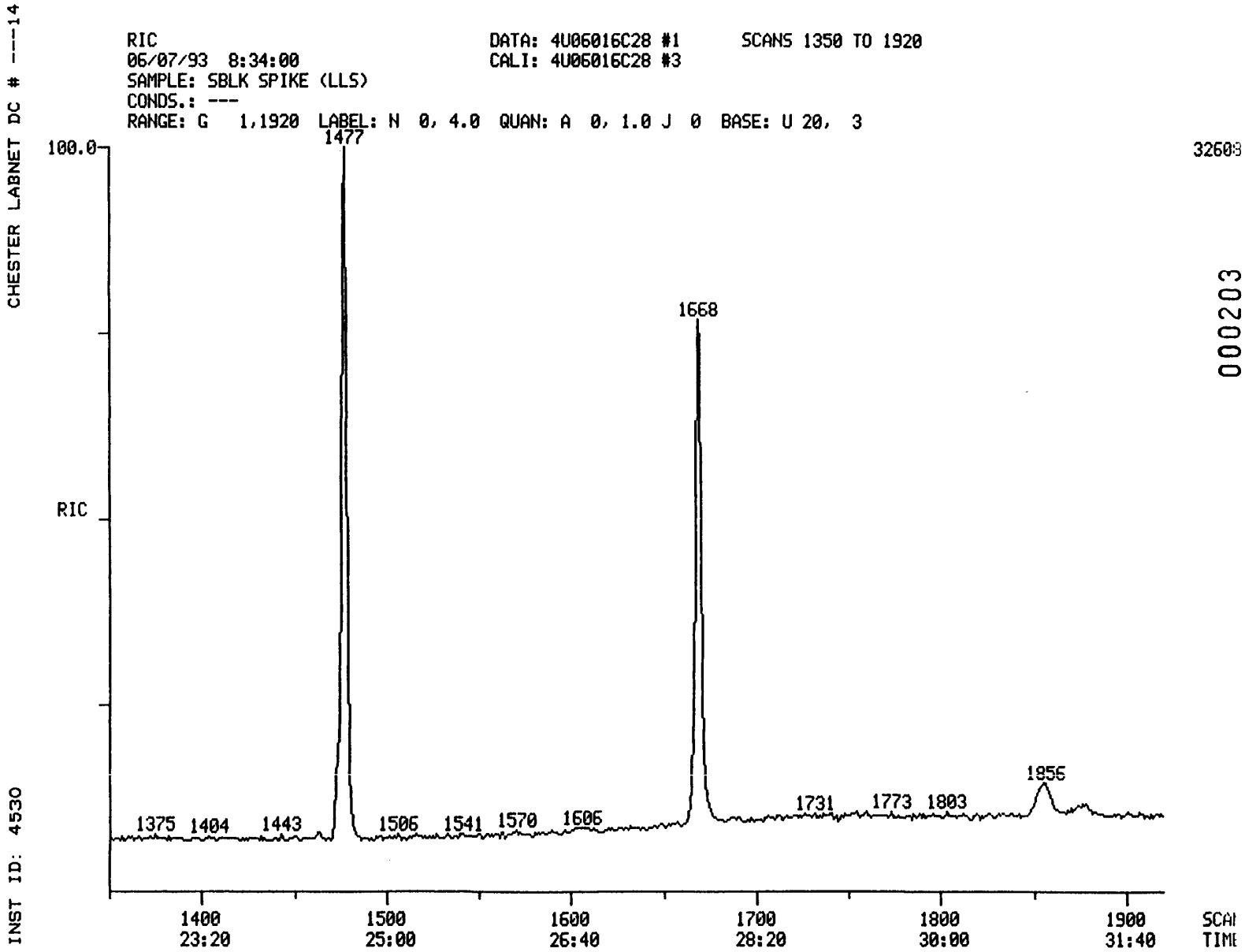
	COMPOUND	DETECTION LIMIT (MICROGRAMS / KG)	AMOUNT FOUND
C730	BENZO(A)ANTHRACENE	330 U	
C740	CHRYSENE	330 U	
C765	BENZO(B)FLUORANTHENE	330 U	
C770	BENZO(K)FLUORANTHENE	330 U	
C775	BENZO(A)PYRENE	330 U	
C780	INDENO(1,2,3-CD)PYRENE	330 U	
C785	DIBENZO(A,H)ANTHRACENE	330 U	

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



010684

010684



000203

010685

010685

SEMIVOLATILE SOIL REPORT

010686

SAMPLE ID.	SBLK SPIKE (LLS)		
FILENAME	4U06016C28	INST ID.	4530
CLIENT	CHESTER	ANALYST	SC
DATE INJECTED	06/07/93 8:34:00	VERIFIED BY	
CALIB STD DATE	06/02/93	CORR. FACTOR	33.00

SCAN#		SEMIVOLATILE COMPOUNDS	M/E	AMOUNT	RRT	ARE
460	CI30	1,4-DICHLOROBENZENE-D4 ** IS	152	660 UG/KG	1.000	205
638	CI40	NAPHTHALENE-D8 ** IS2 **	136	660 UG/KG	1.000	802
888	CI50	ACENAPHTHENE-D10 ** IS3 **	164	660 UG/KG	1.000	35E
1096	CI60	PHENANTHRENE-D10 ** IS4 **	188	660 UG/KG	1.000	640
1477	CI70	CHRYSENE-D12 ** IS5 **	240	660 UG/KG	1.000	449
1668	CI75	PERYLENE-D12 ** IS6 **	264	660 UG/KG	1.000	375
303	CS50	2-FLUOROPHENOL ** SU1 **	112	68 %	0.659	905
430	CS45	PHENOL-D5 ** SU2 **	99	60 %	0.935	985
1002	CS55	2,4,6-TRIBROMOPHENOL ** SU5	330	88 %	1.128	202
436	CS70	2-CHLOROPHENOL-D4 ** SU7 **	132	62 %	0.948	976
485	CS75	1,2-DICHLOROBENZENE-D4 ** SU	152	75 %	1.054	37E
541	CS20	NITROBENZENE-D5 ** SU3 **	82	75 %	0.848	645
798	CS25	2-FLUOROBIPHENYL **SU4 **	172	73 %	0.899	1012
1332	CS30	TERPHENYL-D14 ** SU6 **	244	88 %	0.902	1326
432	C315	PHENOL	94	2200 UG/KG	0.939	1359
438	C330	2-CHLOROPHENOL	128	1869 UG/KG	0.952	907
462	C340	1,4-DICHLOROBENZENE	146	1238 UG/KG	1.004	652
529	C370	N-NITROSODIPROPYLAMINE	70	1137 UG/KG	1.150	429
634	C445	1,2,4-TRICHLOROBENZENE	180	1292 UG/KG	0.994	465
732	C465	P-CHLORO-M-CRESOL	107	1956 UG/KG	1.147	725
893	C550	ACENAPHTHENE	153	1392 UG/KG	1.006	985
924	C560	4-NITROPHENOL	109	1154 UG/KG	1.041	56
926	C570	2,4-DINITROTOLUENE	165	1480 UG/KG	1.043	331
1082	C635	PENTACHLOROPHENOL	266	3214 UG/KG	0.987	343
1300	C715	PYRENE	202	1777 UG/KG	0.880	1843

010687

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	06/04/93	Sens Time:	8:01:00
Lab ID:	ES0604C01B	Cali Date:	06/02/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 380	
51	30 to 60% of mass 198	34.38	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	49.33	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	48.92	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	8.25	
275	10 TO 30% of mass 198	21.60	
365	greater than 1% of mass 198	3.32	
441	less than mass 443	8.20	
442	greater than 40% of mass 198	49.90	
443	17 TO 23% of mass 442	8.84	(17.72) 2

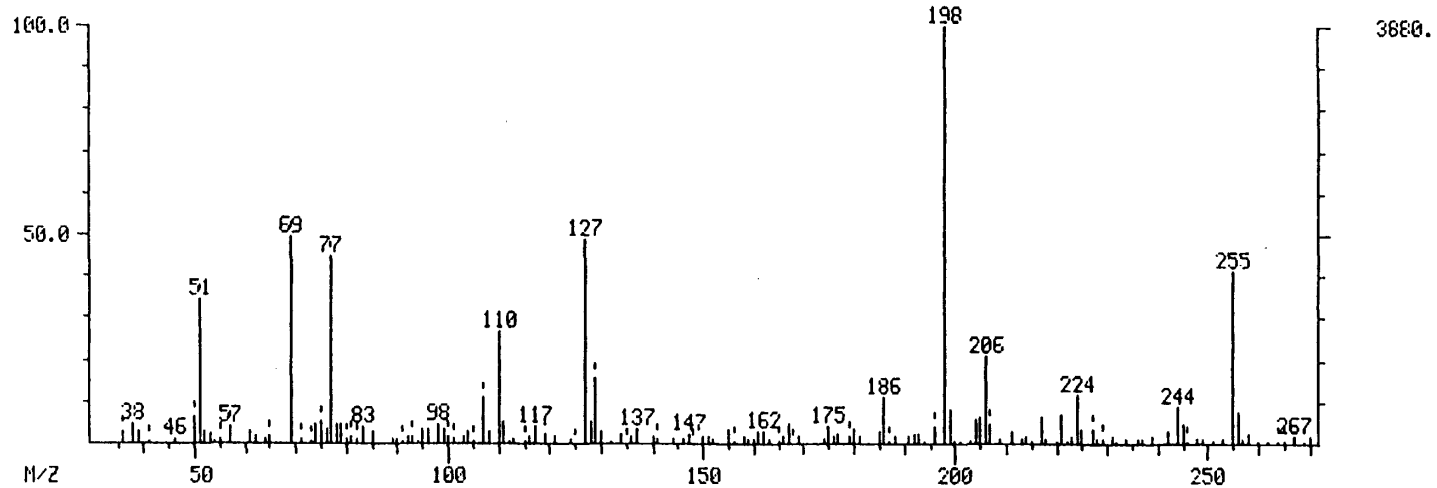
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

CHESTER LABNET DC # ---15

MASS SPECTRUM
06/04/93 8:01:00 + 6:21
SAMPLE: DFTPP
CONDS.: ---
#380 TO #382 SUMMED - #312

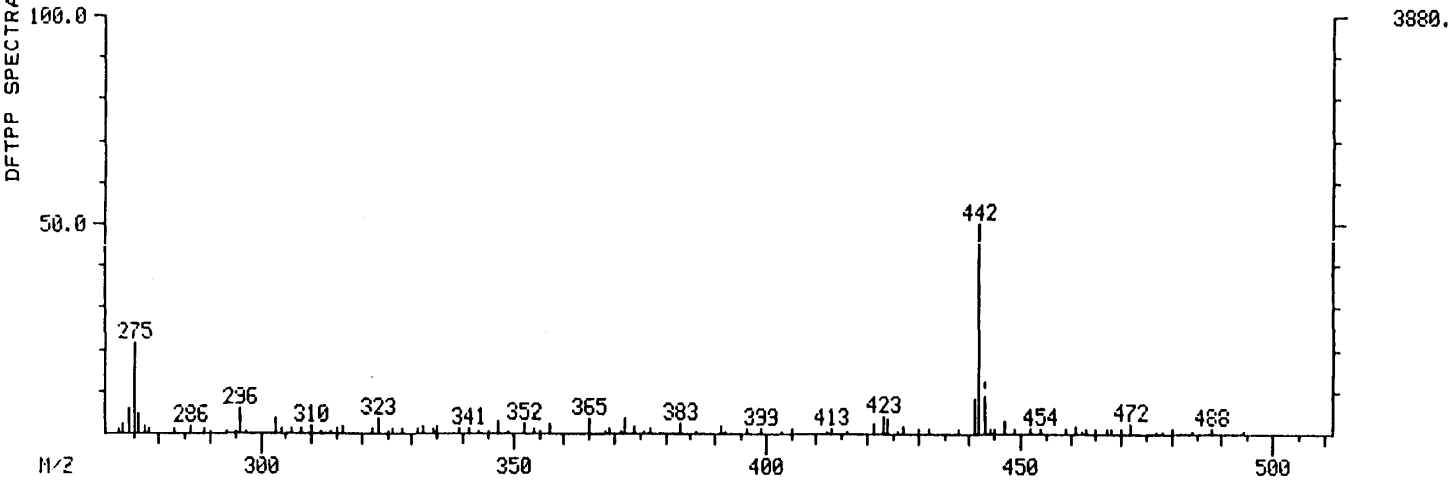
DATA: ES0604C01B #381
CALI: ES0604C01B #3

BASE M/Z: 198
RIC: 37056.



DFTPP SPECTRA

INST ID: 4530



000206

010688

010688

010689

INST ID: 4530 CHESTER LABNET DC # ---15

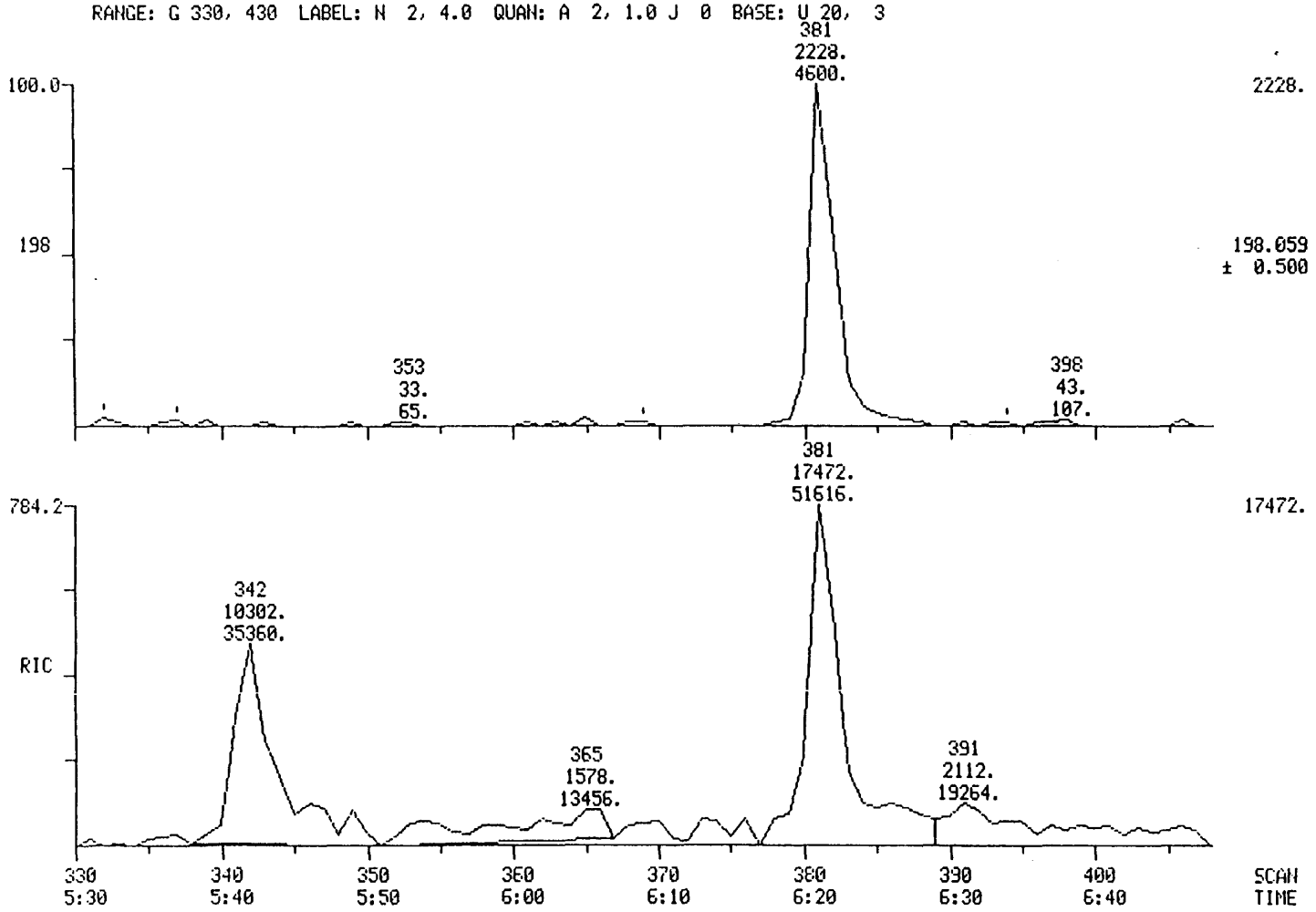
DFTPP MASS LISTING

Mass List Data: ES0604C01B # 381 Base m/z: 198
06/04/93 8:01:00 + 6:21 Cali: ES0604C01B # 3 RIC: 37056.
Sample: DFTPP
Conds.: ---
#380 to #382 summed - #312

36		0.00	0.	Minima	Min Inten:		73.
494				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
36.00?	S	2.76	107.	192.00		2.29	89.
38.00?		4.59	178.	193.00		2.32	90.
39.00?		2.91	113.	196.00	S	4.28	166.
50.00	S	6.44	250.	198.00		100.00	3880.
51.00	S	34.38	1334.	199.00		8.25	320.
52.00		2.71	105.	204.00		5.59	217.
53.00		2.32	90.	205.00		6.16	239.
57.00	S	3.99	155.	206.00		20.95	813.
61.00		2.71	105.	207.00	S	4.48	174.
69.00	S	49.33	1914.	211.00		2.84	110.
74.00		4.85	188.	217.00		6.52	253.
75.00	S	5.05	196.	221.00		7.16	278.
76.00		3.38	131.	224.00		11.80	458.
77.00	S	44.74	1736.	225.00		3.51	136.
78.00		4.56	177.	227.00	S	3.27	127.
79.00		4.54	176.	231.00		1.91	74.
83.00		4.12	160.	242.00		2.78	108.
85.00		3.14	122.	244.00		8.48	329.
95.00		3.27	127.	245.00		4.51	175.
96.00		3.51	136.	255.00		41.39	1606.
98.00		4.85	188.	256.00		7.29	283.
99.00		3.66	142.	258.00		2.32	90.
104.00		2.73	106.	267.00		1.91	74.
107.00	S	11.08	430.	270.00		1.88	73.
108.00		2.94	114.	273.00		2.27	88.
110.00	S	26.80	1040.	274.00		5.77	224.
111.00		5.52	214.	275.00		21.60	838.
117.00	S	4.28	166.	276.00		4.61	179.
119.00	S	2.24	87.	286.00		1.88	73.
121.00		1.93	75.	296.00		5.72	222.
127.00		48.92	1898.	303.00		3.30	128.
128.00		5.36	208.	310.00		2.01	78.
129.00	S	15.41	598.	323.00		3.43	133.
130.00		2.71	105.	332.00		1.93	75.
134.00		2.06	80.	347.00		2.78	108.
137.00		3.51	136.	352.00		2.53	98.
147.00		2.42	94.	357.00		2.04	79.
151.00		1.93	75.	365.00		3.32	129.
155.00		3.30	128.	372.00		3.56	138.
161.00		2.65	103.	383.00		2.27	88.
162.00		2.91	113.	391.00		1.91	74.
167.00		4.90	190.	421.00		2.35	91.
169.00		1.96	76.	423.00		4.05	157.
175.00		3.84	149.	424.00		3.45	134.
177.00		2.35	91.	441.00		8.20	318.
179.00	S	2.01	78.	442.00		49.90	1936.
180.00		3.48	135.	443.00	S	8.84	343.
181.00		1.91	74.	447.00		2.76	107.
185.00		2.81	109.	472.00?		2.19	85.
186.00		11.01	427.				

010689

RIC+MASS CHROMATOGRAM DATA: ES0604C01B #380 SCANS 330 TO 408
06/04/93 8:01:00 CALI: ES0604C01B #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 330, 430 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



000208

010690

010690

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	06/07/93	Sens Time:	7:32:00
Lab ID:	ES0607C01	Cali Date:	06/02/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 384	
51	30 to 60% of mass 198	32.95	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	44.94	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	45.56	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.61	
275	10 TO 30% of mass 198	21.89	
365	greater than 1% of mass 198	1.51	
441	less than mass 443	7.28	
442	greater than 40% of mass 198	51.42	
443	17 TO 23% of mass 442	9.72	(18.91) 2

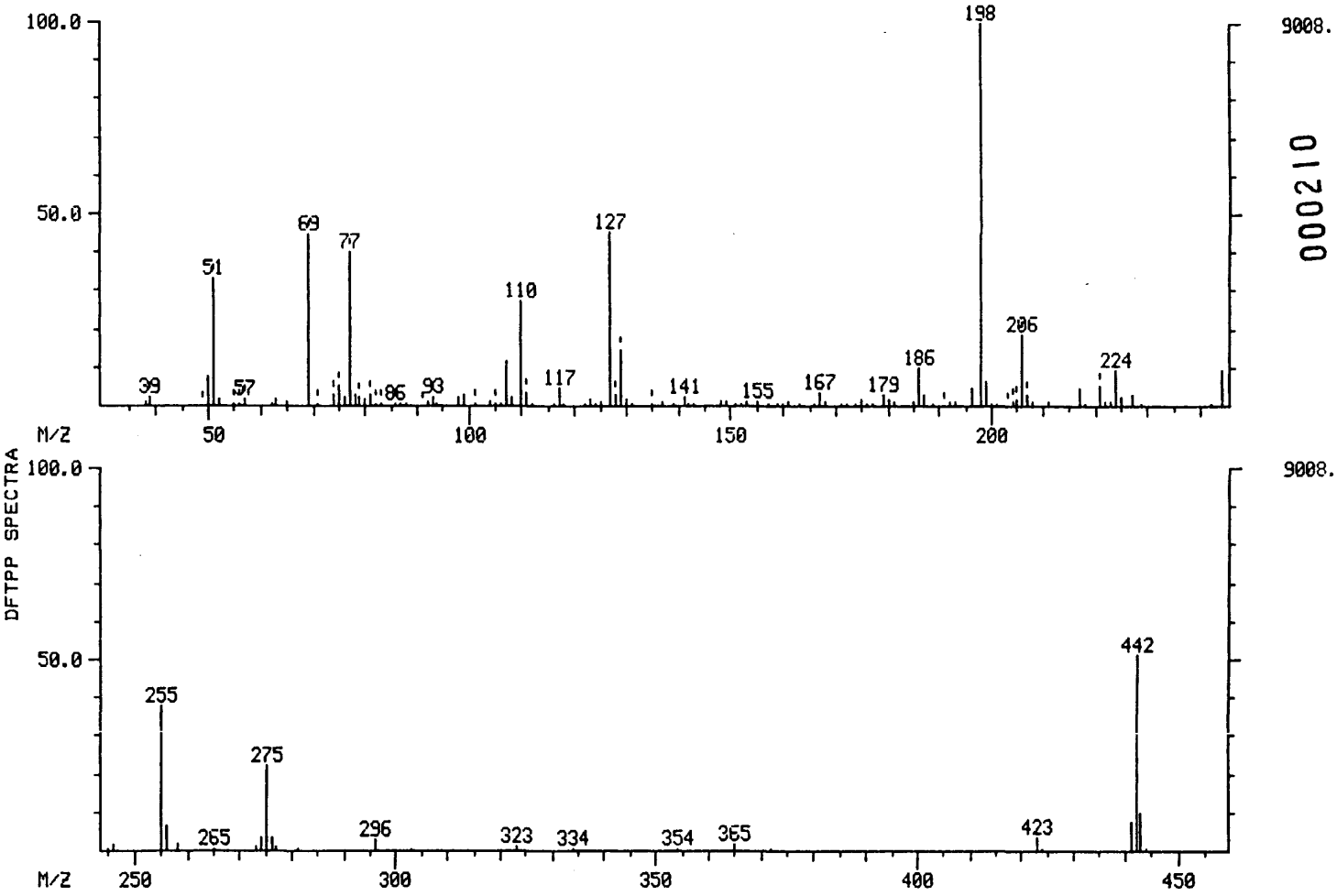
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

CHESTER LABNET DC # ---15

MASS SPECTRUM
06/07/93 7:32:00 + 6:25
SAMPLE: DFTPP
CONDS.: ---
#384 TO #386 SUMMED - #373

DATA: ES0607C01 #385
CALI: ES0607C01 #3

BASE M/Z: 198
RIC: 61056.



DFTPP SPECTRA

INST ID: 4530

000210

010692

010692

010693

INST ID: 4530 CHESTER LABNET DC # ---15

DFTPP MASS LISTING

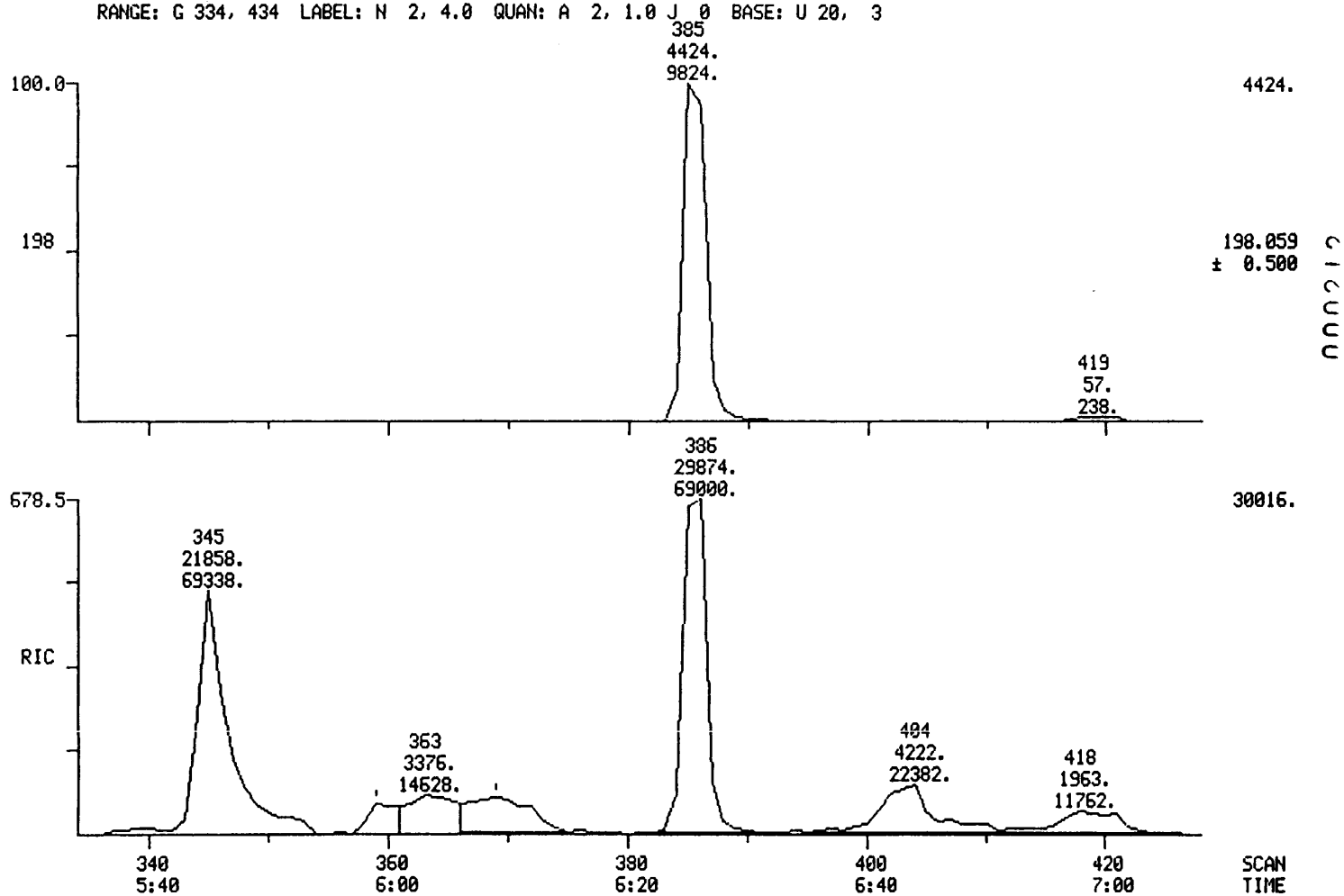
Mass List Data: ES0607C01 # 385 Base m/z: 198
06/07/93 7:32:00 + 6:25 Cali: ES0607C01 # 3 RIC: 61056.
Sample: DFTPP
Conds.: ---
#384 to #386 summed - #373

38		0.00	0.	Minima	Min Inten:		50.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
38.00?		1.19	107.	167.00		3.40	306.
39.00?	S	2.20	198.	168.00		1.01	91.
50.00		7.37	664.	174.00		0.70	63.
51.00	S	32.95	2968.	175.00		1.62	146.
52.00		2.03	183.	176.00		0.77	69.
55.00	S	0.59	53.	177.00		0.84	76.
57.00	S	1.64	148.	179.00		3.08	277.
63.00		1.75	158.	180.00		1.78	160.
65.00		1.40	126.	181.00		1.27	114.
69.00	S	44.94	4048.	185.00		1.23	111.
74.00	S	2.83	255.	186.00		10.04	904.
75.00	S	5.27	475.	187.00		2.75	248.
76.00		2.33	210.	189.00		0.72	65.
77.00	S	40.28	3628.	192.00		1.33	120.
78.00		3.14	283.	193.00		1.08	97.
79.00	S	2.19	197.	196.00		4.82	434.
80.00		1.82	164.	198.00		100.00	9008.
81.00	S	2.92	263.	199.00		6.61	595.
82.00	S	0.56	50.	204.00	S	1.44	130.
92.00		0.90	81.	205.00	S	1.57	141.
93.00	S	2.11	190.	206.00	S	18.47	1664.
94.00		0.81	73.	207.00	S	2.72	245.
98.00		2.30	207.	208.00		0.99	89.
99.00		2.72	245.	211.00		1.30	117.
101.00	S	0.68	61.	217.00		4.46	402.
104.00		1.21	109.	221.00	S	5.46	492.
105.00	S	0.78	70.	222.00		0.89	80.
107.00		11.57	1042.	223.00		1.27	114.
108.00		2.11	190.	224.00		9.45	851.
110.00		27.13	2444.	225.00		2.44	220.
111.00	S	3.25	293.	227.00		3.15	284.
117.00		4.68	422.	229.00		0.73	66.
118.00		0.75	68.	244.00		9.14	823.
122.00		0.82	74.	246.00		1.61	145.
123.00		2.00	180.	255.00		37.70	3396.
125.00		0.95	86.	256.00		6.21	559.
127.00		45.56	4104.	258.00		1.55	140.
128.00	S	2.85	257.	273.00		1.30	117.
129.00	S	14.48	1304.	274.00		3.31	298.
130.00		1.48	133.	275.00		21.89	1972.
135.00	S	0.59	53.	276.00		3.29	296.
137.00		0.93	84.	277.00		1.25	113.
141.00		2.38	214.	296.00		2.99	269.
142.00		0.79	71.	323.00		1.29	116.
148.00		1.22	110.	365.00		1.51	136.
149.00		1.43	129.	423.00		3.29	296.
151.00		0.78	70.	441.00		7.28	656.
153.00		0.93	84.	442.00		51.42	4632.
155.00		1.13	102.	443.00		9.72	876.
161.00		1.32	119.	444.00		0.56	50.

000211

010693

RIC+MASS CHROMATOGRAM DATA: ES0607C01 #384 SCANS 334 TO 428
06/07/93 7:32:00 CALI: ES0607C01 #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 334, 434 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



010694

010695

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	06/08/93	Sens Time:	8:38:00
Lab ID:	ES0608C01C	Cali Date:	06/02/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 379	
51	30 to 60% of mass 198	35.10	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	45.51	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	45.44	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.87	
275	10 TO 30% of mass 198	23.13	
365	greater than 1% of mass 198	2.04	
441	less than mass 443	7.60	
442	greater than 40% of mass 198	48.98	
443	17 TO 23% of mass 442	10.56	(21.57) 2

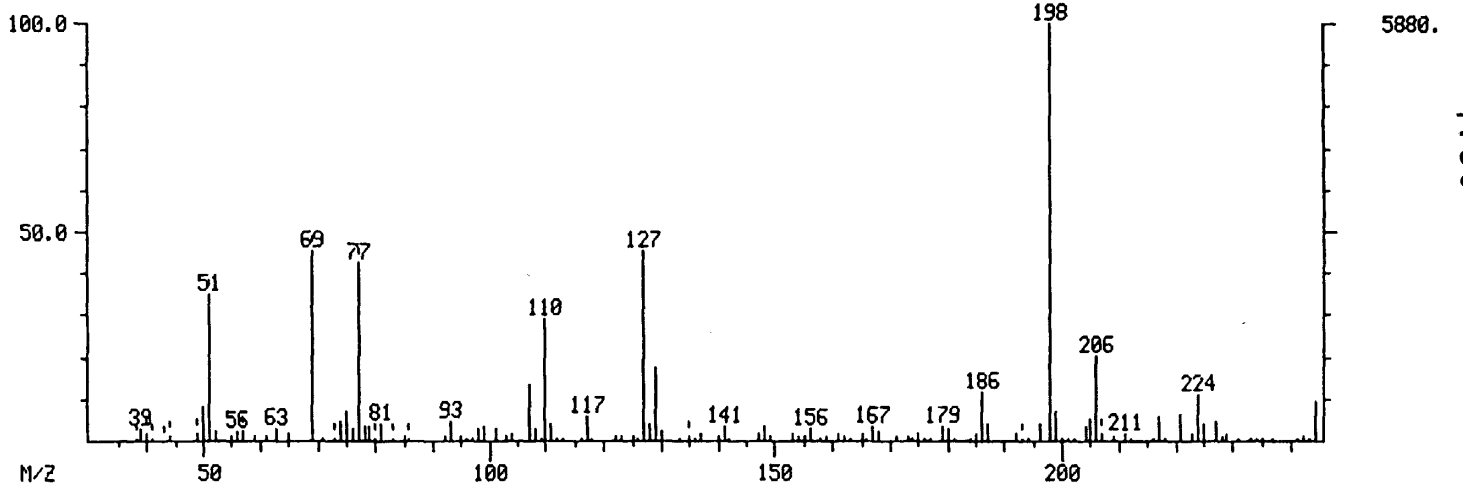
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

CHESTER LABNET DC # ---15

MASS SPECTRUM
06/08/93 8:38:00 + 6:20
SAMPLE: DFTPP
CONDS.: ---
#379 TO #381 SUMMED - #370

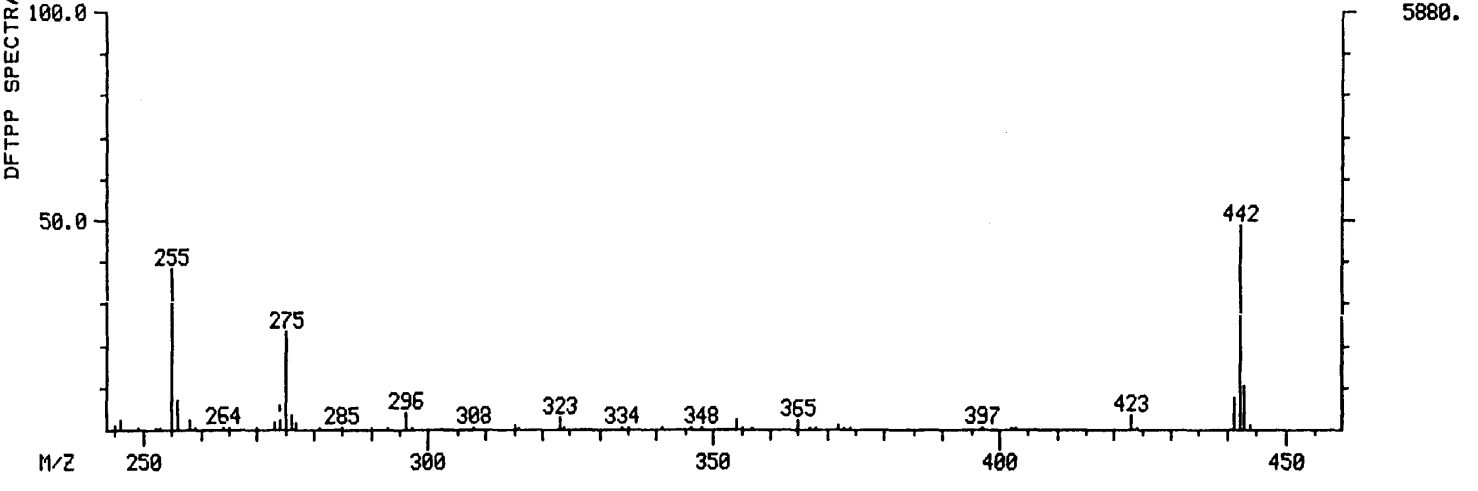
DATA: ES0608C01C #380
CALI: ES0608C01C #3

BASE M/Z: 198
RIC: 46656.



DFTPP SPECTRA

INST ID: 4530



000214

010696

010696

INST ID: 4530 CHESTER LABNET DC # ---15

DFTPP MASS LISTING

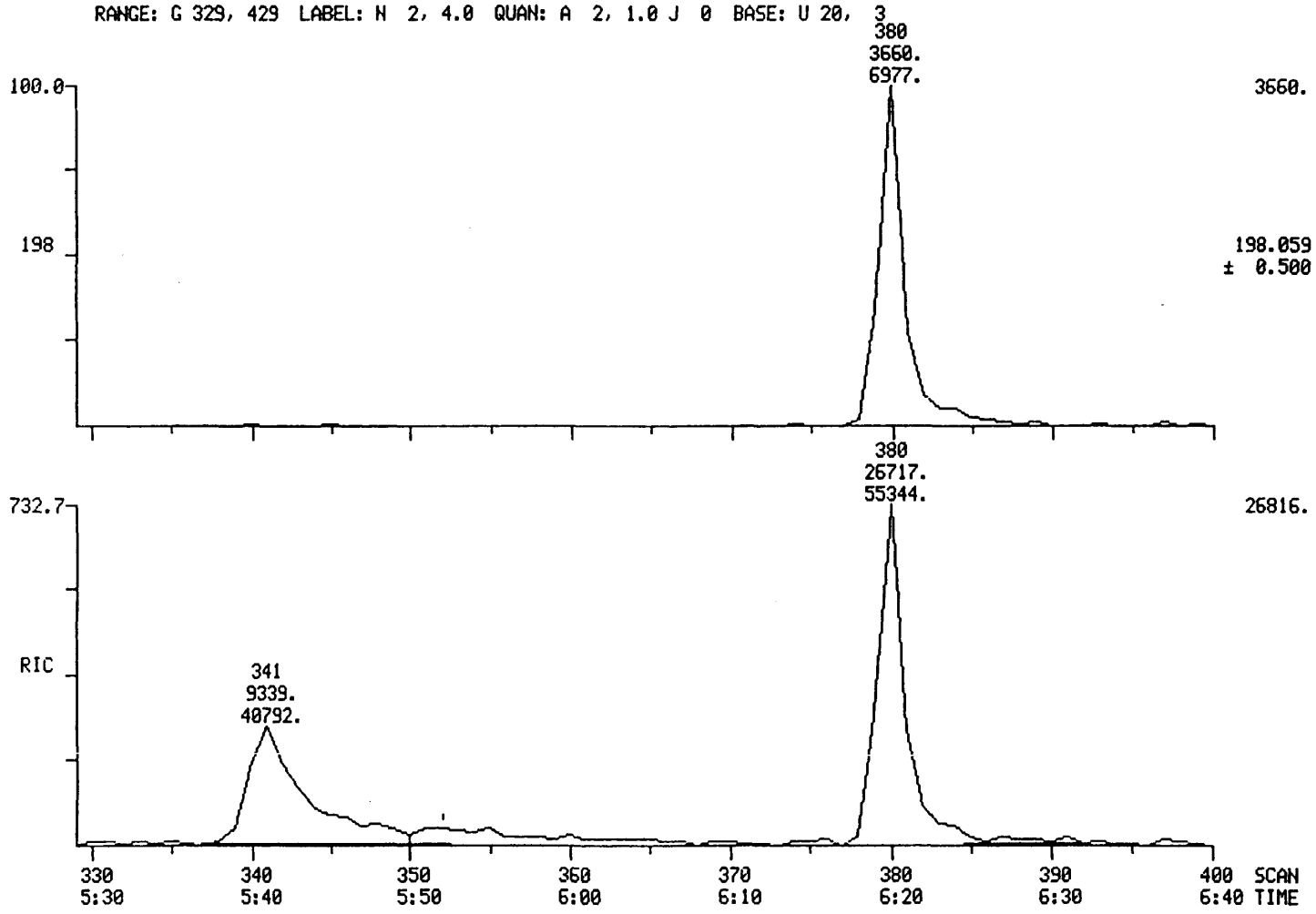
Mass List Data: ES0608C01C # 380 Base m/z: 198
06/08/93 8:38:00 + 6:20 Cali: ES0608C01C # 3 RIC: 46656.
Sample: DFTPP
Conds.: ---
#379 to #381 summed - #370

010697

38		0.00	0.	Minima	Min Inten:		64.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39.00?		2.84	167.	161.00		1.89	111.
40.00?	S	1.53	90.	162.00		1.22	72.
49.00?	S	1.97	116.	165.00		1.97	116.
50.00		8.28	487.	167.00		3.45	203.
51.00	S	35.10	2064.	168.00		2.33	137.
52.00		2.16	127.	175.00		1.67	98.
55.00		1.22	72.	179.00		3.52	207.
56.00		2.24	132.	180.00		2.74	161.
57.00	S	2.07	122.	185.00		1.92	113.
59.00		1.12	66.	186.00		11.43	672.
63.00		2.69	158.	187.00		4.06	239.
65.00		1.77	104.	192.00		1.75	103.
69.00	S	45.51	2676.	196.00		4.12	242.
74.00		4.40	259.	198.00		100.00	5880.
75.00		6.87	404.	199.00		6.87	404.
76.00		2.79	164.	204.00		3.21	189.
77.00	S	42.52	2500.	205.00		5.32	313.
78.00		3.67	216.	206.00		20.44	1202.
79.00		3.28	193.	207.00	S	1.65	97.
81.00		4.01	236.	209.00		1.41	83.
85.00		1.19	70.	211.00		1.85	109.
92.00		1.24	73.	217.00		5.70	335.
93.00		4.44	261.	221.00		6.46	380.
98.00		3.20	188.	223.00		1.72	101.
99.00		3.33	196.	224.00		10.90	641.
101.00		2.67	157.	225.00		3.81	224.
103.00		1.17	69.	227.00		4.59	270.
104.00		1.65	97.	228.00		1.12	66.
107.00		13.35	785.	229.00		1.46	86.
108.00		3.01	177.	244.00		9.56	562.
110.00		28.88	1698.	246.00		2.28	134.
111.00		3.81	224.	255.00		38.37	2256.
117.00		5.53	325.	256.00		6.75	397.
122.00		1.31	77.	258.00		2.40	141.
123.00		1.14	67.	273.00		1.89	111.
125.00		1.36	80.	274.00	S	2.19	129.
127.00		45.44	2672.	275.00		23.13	1360.
128.00		4.00	235.	276.00		3.42	201.
129.00		17.62	1036.	277.00		1.80	106.
130.00		2.40	141.	296.00		4.17	245.
135.00	S	1.33	78.	323.00		2.65	156.
137.00		1.58	93.	354.00		2.19	129.
140.00		1.26	74.	365.00		2.04	120.
141.00		3.45	203.	372.00		1.39	82.
147.00		1.77	104.	423.00		3.52	207.
148.00		3.21	189.	441.00		7.60	447.
153.00		1.75	103.	442.00		48.98	2880.
154.00		1.14	67.	443.00		10.56	621.
156.00		2.62	154.	444.00		1.29	76.
159.00		1.17	69.				

RIC+MASS CHROMATOGRAM
06/08/93 8:38:00
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 329, 429 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3

DATA: ES0608C01C #379 SCANS 329 TO 400
CALI: ES0608C01C #3



000216

010698

010698

010699

GC/MS Tuning and Mass Calibration

DECAFLUOROTRIPHENYLPHOSPHINE

Case Number:	--	Laboratory:	CHESTER	Contract:	---
Inst ID:	4530	Sens Date:	06/09/93	Sens Time:	7:56:00
Lab ID:	ES0609C01	Cali Date:	06/02/93	Analyst:	SC

Data release authorized by: Sheila Cheng

M/E	Ion Abundance Criteria	Spec # 373	
51	30 to 60% of mass 198	32.35	
68	less than 2% of mass 69	0.00	(0.00) 1
69	mass 69 relative abundance	43.25	
70	less than 2% of mass 69	0.00	(0.00) 1
127	40 TO 60% of mass 198	44.14	
197	less than 1% of mass 198	0.00	
198	base peak, 100% relative abundance	100.00	
199	5 TO 9% of mass 198	6.63	
275	10 TO 30% of mass 198	22.54	
365	greater than 1% of mass 198	1.84	
441	less than mass 443	9.13	
442	greater than 40% of mass 198	58.39	
443	17 TO 23% of mass 442	10.96	(18.77) 2

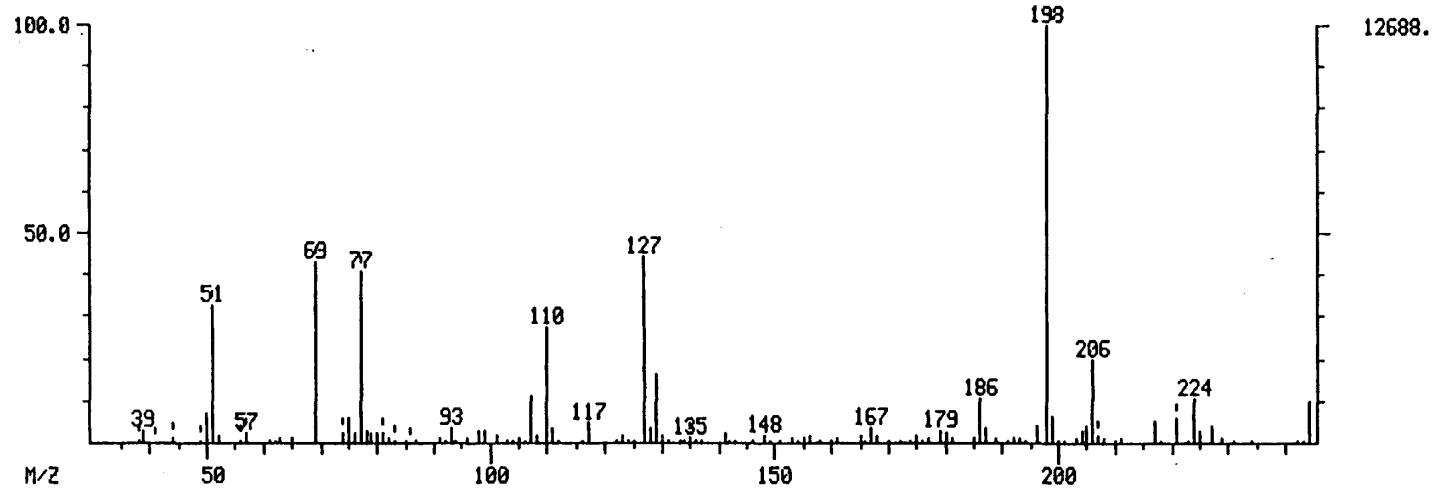
1 - value in parenthesis is % of mass 69
2 - value in parenthesis is % of mass 442

CHESTER LABNET DC # ---15

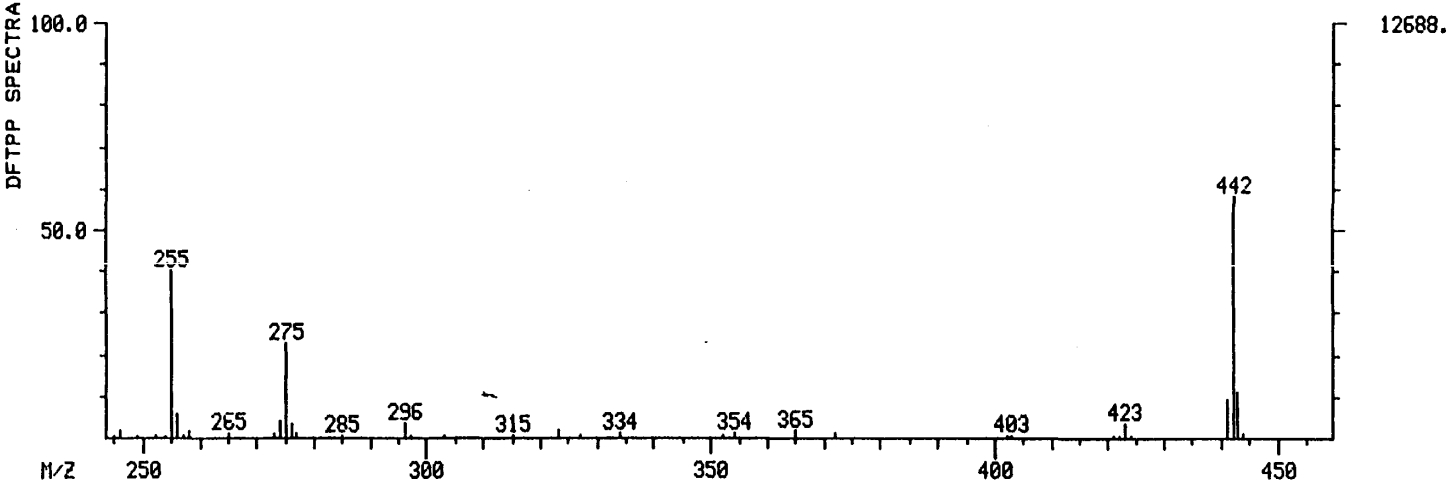
MASS SPECTRUM
06/09/93 7:56:00 + 6:14
SAMPLE: DFTPP
CONDS.: ---
#373 TO #375 SUMMED - #365

DATA: ES0609C01 #374
CALI: ES0609C01 #3

BASE M/Z: 198
RIC: 92288.



DFTPP SPECTRA



INST ID: 4530

000218

010700

010700

010701

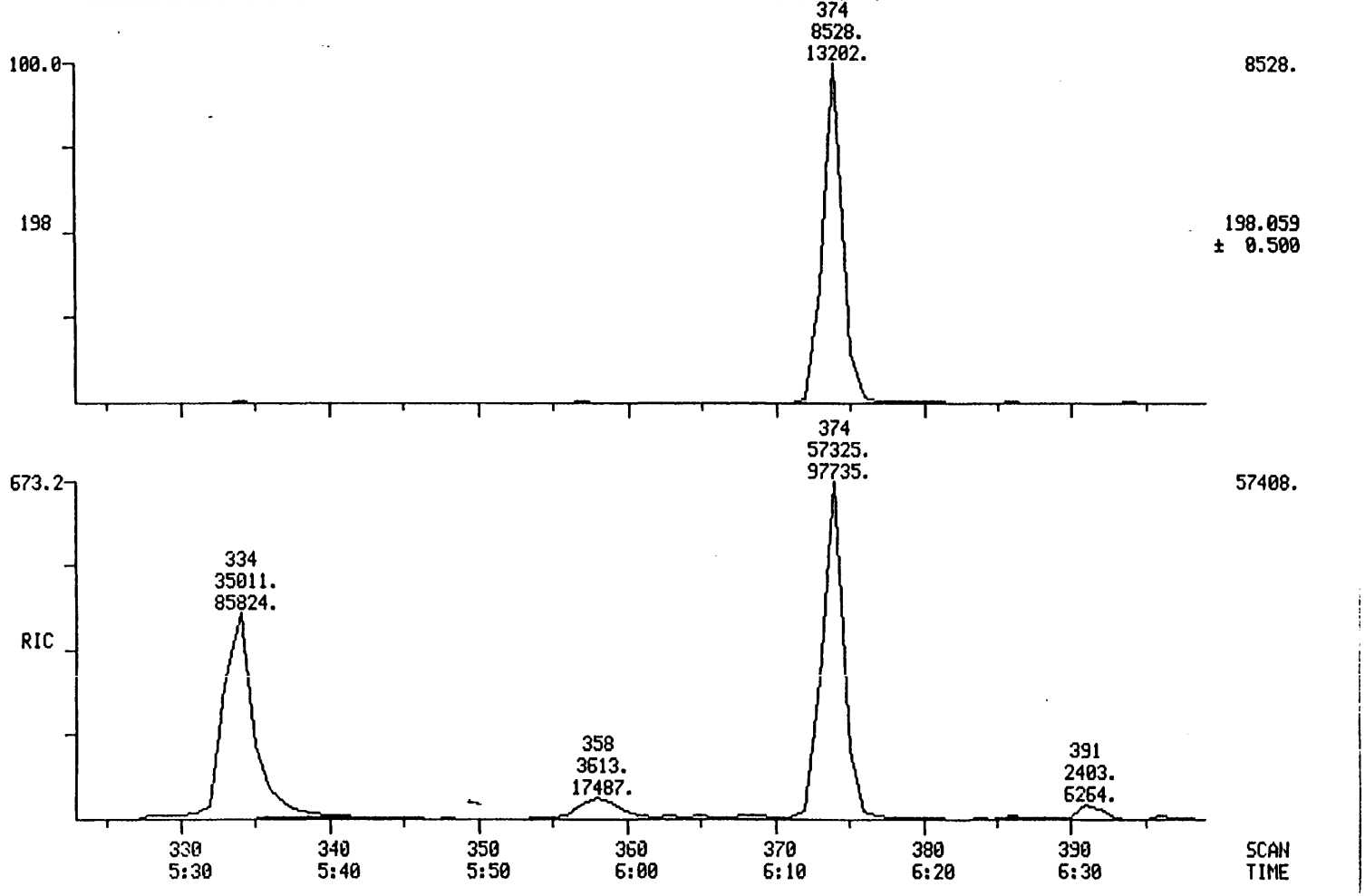
INST ID: 4530 CHESTER LABNET DC # ---15

DFTPP MASS LISTING

Mass List Data: ES0609C01 # 374 Base m/z: 198
06/09/93 7:56:00 + 6:14 Cali: ES0609C01 # 3 RIC: 92288.
Sample: DFTPP
Conds.: ---
#373 to #375 summed - #365

38		0.00	0.	Minima	Min Inten:		99.
444				Maxima	#	0	
Mass		% RA	Inten.	Mass		% RA	Inten.
39.00?		3.14	398.	179.00		3.02	383.
44.00?	S	1.39	176.	180.00		2.10	267.
50.00		7.22	916.	181.00		1.38	175.
51.00	S	32.35	4104.	185.00		1.15	146.
52.00		1.88	238.	186.00		10.66	1352.
56.00	S	0.81	103.	187.00		3.33	422.
57.00	S	2.43	308.	189.00		0.95	120.
63.00		1.35	171.	192.00		1.10	139.
65.00		1.24	157.	193.00		1.34	170.
69.00	S	43.25	5488.	196.00		3.86	490.
74.00	S	2.59	328.	198.00		100.00	12688.
75.00		5.83	740.	199.00		6.63	841.
76.00		2.31	293.	203.00		1.19	151.
77.00	S	40.73	5168.	204.00		2.86	363.
78.00		2.70	342.	205.00		4.26	541.
79.00		2.33	296.	206.00		19.61	2488.
80.00		2.11	268.	207.00	S	1.59	202.
81.00	S	2.30	292.	208.00		1.26	160.
82.00		1.08	137.	211.00		1.09	138.
85.00		0.84	107.	217.00		5.08	645.
91.00		1.27	161.	221.00	S	5.54	703.
93.00		3.30	419.	224.00		10.48	1330.
96.00		0.91	116.	225.00		3.03	384.
98.00		2.72	345.	227.00		3.96	503.
99.00		2.66	337.	229.00		1.19	151.
101.00		1.94	246.	231.00		0.79	100.
105.00		1.43	181.	244.00		9.71	1232.
107.00		10.96	1390.	246.00		1.73	219.
108.00		1.91	242.	255.00		39.85	5056.
110.00		27.24	3456.	256.00		6.08	771.
111.00		3.59	455.	258.00		1.97	250.
117.00		4.67	593.	265.00		0.97	123.
123.00		1.47	186.	273.00		1.30	165.
127.00		44.14	5600.	274.00		3.84	487.
128.00		3.55	451.	275.00		22.54	2860.
129.00		16.17	2052.	276.00		3.20	406.
130.00		1.58	200.	277.00		1.18	150.
135.00	S	0.99	125.	296.00		3.63	461.
141.00		2.14	271.	303.00		0.82	104.
148.00		1.83	232.	323.00		1.76	223.
153.00		1.03	131.	334.00		1.11	141.
155.00		0.98	124.	354.00		1.02	130.
156.00		1.89	240.	365.00		1.84	234.
160.00		0.87	110.	372.00		1.04	132.
161.00		0.90	114.	423.00		3.68	467.
165.00		1.54	196.	424.00		0.84	106.
167.00		3.34	424.	441.00		9.13	1158.
168.00		1.73	220.	442.00		58.39	7408.
175.00		1.65	209.	443.00		10.96	1390.
177.00		1.02	129.	444.00		1.08	137.

RIC+MASS CHROMATOGRAM DATA: ES0609C01 #373 SCANS 323 TO 399
06/09/93 7:56:00 CALI: ES0609C01 #3
SAMPLE: DFTPP
CONDS.: ---
RANGE: G 323, 423 LABEL: N 2, 4.0 QUAN: A 2, 1.0 J 0 BASE: U 20, 3



010702

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT DAMES - MOOR

LAB NO. 1193 - 6.16

ANALYST JL

DATE 6-2-93

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)
002	13	1.59	5.18	5.11	0.07	0.981			1.02
005	14	1.59	5.20	5.17	0.03	0.992			1.01
006	15	1.59	5.22	5.14	0.08	0.978			1.02
007	27	1.59	5.73	5.60	0.13	0.969			1.03
008	28	1.60	5.64	5.58	0.08	0.985			1.02
009	29	1.59	5.41	5.39	0.02	0.995			1.01
010	30	1.59	5.09	4.74	0.45	0.900			1.11
011	31	1.59	5.88	5.70	0.14	0.958			1.04
012	32	1.59	5.36	4.83	0.53	0.859			1.16
013	33	1.59	5.08	5.00	0.08	0.977			1.02
014	34	1.59	5.14	5.07	0.07	0.988			1.01
015	35	1.58	5.50	5.51	0.00	1.000			1.00
016	36	1.59	5.16	4.70	0.46	0.871			1.15

d = (b-a) - (c-a) g = f $\frac{(c-a)}{(b-a)}$ h = f/g = 1/e e = $\frac{c-a}{b-a}$

Date Submitted: 6-4-93

Submitted By AY

Dry Wt. E (1/92)

010703

000221

010703

DRY WEIGHT TEST

KEYSTONE LAB-HOUSTON

CLIENT DAMES-MOOR

LAB NO. 1193-G 16

ANALYST JL

DATE 6-2-93

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)
017	37	~~1.58~~ 1.60	5.26	5.19	0.07	0.981			1.02
018	38	1.59	5.23	5.17	0.06	0.984			1.02
019	39	1.59	5.73	5.73	0.00	1.000			1.00
020	40	1.59	5.86	5.28	0.58	0.864			1.16
021	41	1.59	5.20	5.10	0.10	0.972			1.03
022	42	1.59	5.18	5.13	0.05	0.986			1.01
023	43	1.58	5.21	5.20	0.01	0.997			1.00
024	44	1.60	5.73	5.09	0.64	0.845			1.18
025	45	1.59	5.05	4.95	0.10	0.971			1.03
026	46	1.59	5.30	5.22	0.08	0.978			1.02
027	47	1.59	5.51	5.49	0.02	0.995			1.01
		Nothing Follows				Nothing Follows			

d = (b-a) - (c-a) g = f $\frac{(c-a)}{(b-a)}$ h = f/g = 1/e e = $\frac{c-a}{b-a}$

Date Submitted: ~~AJ~~ 6-4-93

Submitted By: AJ

000222

010704

010704

PRIORITY

010705

KEYSTONE LAB - HOUSTON
Job Summary Sheet

Produced on 2-JUN-1993

DAMES_MOOR
Dames and Moore
4321 Directors Row
Suite 200
Houston, TX 77092

Work Order : H93-06.16
Due Date : 9-JUN-1993
Date Rec'd : 2-JUN-1993
Project ID :
P.O. Number: 8074

Attention: Contact: Data Management

Job Description: DAMES&MOORE (RCRA)
Number of samples: 28 Sampled by: CLIENT

Job Comments:
ONE WEEK T/A.PLEASE ANALYZE FOR PAH'S!
SAMPLE IDENTIFICATION

Lab ID	Client ID	Samp Pnt.	Sample Matrix	Date Sampled
16-001	LAB BLANK	QA_QC	SOIL	1-JUN-93
16-002	13	X	SOIL	1-JUN-93
16-003	13 MS	QA_QC	SOIL	1-JUN-93
16-004	13 MSD	QA_QC	SOIL	1-JUN-93
16-005	14	X	SOIL	1-JUN-93
16-006	15	X	SOIL	1-JUN-93
16-007	27	X	SOIL	1-JUN-93
16-008	28	X	SOIL	1-JUN-93
16-009	29	X	SOIL	1-JUN-93
16-010	30	X	SOIL	1-JUN-93
16-011	31	X	SOIL	1-JUN-93
16-012	32	X	SOIL	1-JUN-93
16-013	33	X	SOIL	1-JUN-93
16-014	34	X	SOIL	1-JUN-93
16-015	35	X	SOIL	1-JUN-93
16-016	36	X	SOIL	1-JUN-93
16-017	37	X	SOIL	1-JUN-93
16-018	38	X	SOIL	1-JUN-93
16-019	39	X	SOIL	1-JUN-93
16-020	40	X	SOIL	1-JUN-93
16-021	41	X	SOIL	1-JUN-93
16-022	42	X	SOIL	1-JUN-93
16-023	43	X	SOIL	1-JUN-93
16-024	44	X	SOIL	1-JUN-93
16-025	45	X	SOIL	1-JUN-93
16-026	46	X	SOIL	1-JUN-93
16-027	47	X	SOIL	1-JUN-93
16-028	BLANK SPIKE	QA_QC	SOIL	1-JUN-93

Samples submitted for C-PAH analysis

FAX# 303-278-1528

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

CHAIN OF CUSTODY RECORD

Proj No.

Project Name: 8074

Samplers (Signature): [signature]

Sta. No.	Date	Time	Comp.	Grab	Station Location	No. of Containers							Remarks
13	10/1/93				-10m+80m SDE	1							
14	10/1/93				-80m+200m SDE	1							
15	10/1/93				-200m SDE	1							
27	10/1/93				MCO/SSDE ET1 ≤4 LPM	1							
28	10/1/93				MCO/SSDE ET1 ≤7.5 LPM	1							
29	10/1/93				MCO/SSDET1 Sink	1							
30	10/1/93				-1"+10m SDE ET2 Float (HMS)	1							
31	10/1/93				-1"+10m SDE ET2 Sink (HMS)	1							
32	10/1/93				C1/C2E-FT1-0:5min	1							
33	10/1/93				C1/C2E-FT1-5:15min	1							
34	10/1/93				C1/C2EFT1-15:25min	1							
35	10/1/93				C1/C2E-FT1-Tails	1							
36	10/1/93				C1/C2E-FT2-0:5min	1							
37	10/1/93				C1/C2E-FT2-5:15min	1							
38	10/1/93				C1/C2E-FT2-15:20min	1							
39	10/1/93				C1/C2E-FT2-Tails	1							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	5/1/93 4:00pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature) [signature] 6/2/93 07:00 AM	Remarks:		

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originator's Copy

00224*

010706

010706

HAZEN

HAZEN RESEARCH, INC.
4601 Indiana St. · Golden, CO 80403
Tel.: (303) 279-4501 · Telex 45-860

Samples Submitted for C-PAH analysis

CHAIN OF CUSTODY RECORD

Proj No.

Project Name 8074

Samplers (Signature) [signature]

Sta. No.	Date	Time	Comp.	Grab	Station Location	No. of Containers	Remarks
40					C1/C2E-FT3-0:5min	1	
41					C1/C2E-FT3-5:15min	1	
42					C1/C2E-FT3-15:25min	1	
*43					C1/C2E-FT3-Tails	1	
44					C1/C2E-FT4-0:5min	1	
45					C1/C2E-FT4-5:15min	1	
46					C1/C2E-FT4-15:25min	1	
*47					C1/C2E-FT4-Tails	1	

000225

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	6/1/93 4:00pm				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for laboratory by: (Signature) [signature] 6/2/93 09:20	Remarks:		

Distribution: White Copy - Ship With Sample; Canary Copy - Laboratory Copy; Pink Copy - Originator's Copy

010707

010707