DATA CHEM LABORATORIES
A SORENSON COMPANY

211028

Client: Roy F. Weston | Project: EPA Region II START #G2

DCL Account No: 3008

DCL Set ID No.: 97C-0437-01, 03

		Page Nos. From	Page Nos. To	(Please Check:) Lab	(Please Check:) Client
1.	Inventory Sheet (Do not number)			✓	
2.	Client Chain-of-Custody Records	1	3	✓	
3.	Polychlorinated Biphenyls				
	Case Narrative	4	6	✓	
	Analytical Forms	7	90	✓	
	Sample Tracking Documentation	91	97	✓	
	Analytical Documentation	98	181	✓	
	Raw Data	182	441	✓	
4.	Percent Solids				
	Case Narrative	NA	NA	✓	
	Analytical Forms	442	444	✓	
	Sample Tracking Documentation	445	449	✓	
	Analytical Documentation	450	450	✓	
	Raw Data	NA	NA	✓	
5.	Shipping/Receiving Documents				
	Airbill (No. of Shipments: 1)	451	451	✓	
	Sample Log-In Sheet	452	452	✓	
	DCL Cooler Receipt Checklist	453	453	✓	
6.	Other Records (Describe or list)				
	Telephone Communication Log	NA	NA	✓	
		NA	NA	✓	
		NA	NA	✓	

7. Comments:

Completed by (DataChem Laboratories):

Renee Thelin	Renee Thelin / Document Control	01/07/98
(Signature)	(Print Name & Title)	(Date)

Audited by (Client):

(Signature)	(Print Name & Title)	(Date)

RFP No.: 2226

PO No.: 87052

CHAIN OF CUSTODY RECORD

WESTON

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-6116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HN03
3. Leachate	3. Na2SO4
4. Rinsate	4. H2SO4
5. Soil/Sediment	5. Other (Specify)
6. Oil	6. Ice Only
7. Waste	N. Not Preserved
8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSES VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KIN	COR	REAC	OTHER
DDDNS1	11/6/97 1145	5	L	G	6										Total PCBs
DDDSS2	11/6/97 1144														
DDDSD1	11/6/97 1142														
XXXNS1	11/6/97 1405														
XXXNS2	11/6/97 1408														
XXXND2	11/6/97 1417														
XXXND1	11/6/97 1415														
XXXNS3	11/6/97 1415														
XXXSED(S)	11/6/97 1405														
XXXSD1	11/6/97 1405														
XXXSS2	11/6/97 1411														

Comments: Extra sample volume was given for MS/MSD sample # XXXNS1

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. McMahon	1700	11/6/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	M. McMahon	1800	11/6/97	FEDEX	Shipment to Lab
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
	FEDEX	0930	11/7/97	Michael McMillan	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:	CHAIN OF CUSTODY RECORD	Matrix Box No.:	Preservative Box No.:
2226	WESTON (MANAGERS DESIGNERS/CONSULTANTS)	1. Surface Water	1. HCl
PO No.:	SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM	2. Ground Water	2. HN03
87052	EPA CONTRACT 68-W5-0019	3. Leachate	3. Na2SO4
	Phone: 908-225-6116 Fax: 908-225-7037	4. Rinsate	4. H2SO4
		5. Soil/Sediment	5. Other (Specify)
		6. Oil	6. Ice Only
		7. Waste	N. Not Preserved
		8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	ENA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KIN	COR	REAC	OTHER
XXXSS1	11/6/97 1400	5	L	G	6										Total PCBs
XXXSD2	11/6/97 1410														
YYYSED(S)	11/6/97 1415														
YYYSS1	11/6/97 1420														
YYYSD1	11/6/97 1430														
YYYND1	11/6/97 1430														
YYYNS2	11/6/97 1420														
YYYSS2	11/6/97 1425														
YYYNS1	11/6/97 1425														
YYYND2	11/6/97 1427														
YYYSED(D)	11/6/97 1417														

Comments:

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahaffey	1700	11/6/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M Mahaffey	1800	11/6/97	FEDEX	Shipment To Lab

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
	FEDEX	0930	11/7/97	Michael Mahaffey	

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, FRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

RFP No.:	CHAIN OF CUSTODY RECORD	Matrix Box No.:	Preservative Box No.:
2226	WESTON. MANAGERS DESIGNERS/CONSULTANTS	1. Surface Water	1. HCl
PO No.:		2. Ground Water	2. HNO3
87052	SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM	3. Leachate	3. Na2SO4
	EPA CONTRACT 68-W5-0019	4. Rinsate	4. H2SO4
	Phone: 908-225-6116 Fax: 908-225-7037	5. Soil/Sediment	5. Other (Specify)
		6. Oil	6. Ice Only
		7. Waste	N. Not Preserved
		8. Other (Specify)	* See Comments

Send verbal and written results to: Roy F. Weston, Inc., USEPA Region II START
Suite 201, 1090 King Georges Post Road, Edison, New Jersey 08837-3703
Attention: Smita Sumbaly, START Analytical Coordinator

Sample Number	Sample Collection MM/DD/YY/Time	Sample Matrix (Enter box #)	Conc. Low-L Med-M High-H	Sample Type Comp-C Grab-G	Sample Preserv. (Enter box #)	RAS ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS XIN	COR	REAC	OTHER
YYYSD2	11/6/97 1430	5	L	G	6										TOTAL PCBs
222SD2	11/6/97 1445														
222ND2	11/6/97 1444														
222NS3	11/6/97 1445														
222SS2	11/6/97 1442														
222SED(3)	11/6/97 1435														
222NS1	11/6/97 1435														
222NS2	11/6/97 1439														
222SS1	11/6/97 1435														
222ND1	11/6/97 1450														
222SD1	11/6/97 1440														

Comments: Extra sample volume was collected for MS/MSD Sample # 222NS1

Person Assuming Responsibility for Sample:	Time	Date (MM/DD/YY)
M. Mahoney	1700	11/6/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahoney	1800	11/6/97	FEDEX	Shipment to Lab.
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
	FEDEX	0930	11/7/97	Michael McMillan	
Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody

Roy F. Weston, Inc.
FEDERAL PROGRAMS DIVISION
In Association with Resource Applications, Inc., R.E. Sarriera Associates, PRC Environmental Management, C.C. Johnson & Malhotra, P.C., and GRB Environmental Services, Inc.

DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

Case Narrative

Method:	8080A	**Client:**	Roy F. Weston
Analysis:	Polychlorinated Biphenyls	**Project:**	EPA Region II START #G2
Preparation SOP No.:	OE-SW-3550	**SDG No.:**	XXXNS1
Analysis SOP No.:	OE-SW-8080	**DCL Account:**	3008
Matrix:	Soil	**DCL Set ID:**	97C-0437-01

General Set Information: There were twenty soil samples received in the set. The sample was batched with a method blank sample, a laboratory control sample, a matrix spike sample and a matrix spike duplicate sample for polychlorinated biphenyl analysis by EPA SW-846 Method 8080A.

Method Summary: Each sample was extracted into methylene chloride and concentrated in a K-D apparatus. A solvent exchange to hexane was performed and the final extract volume was adjusted to 10 mL. Analysis was performed by single column capillary gas chromatography with electron capture detector.

Sample Preparation: The samples were prepared according to the published procedures found in EPA SW-846 Method 3550C, modified to accommodate the sample matrix. Due to the appearance of the final extracts, prior to sample analysis, the sample extracts were washed with concentrated sulfuric acid to prevent instrument contamination and to aid in PCB peak pattern identification (EPA SW-846 Method 3665) and sulfur cleaned with mercury (EPA SW-846 Method 3660A).

Holding Times: Holding time requirements were met for both sample preparation and analysis.

Dilutions: All samples were reanalyzed at 1:100 dilutions with exception of the method blank sample, the laboratory control sample and field samples 97C05221, 97C05224, 97C05227 and 97C05228. Also, all surrogates are reported from the undiluted sample analyses.

Method and Sample QC Data:

Method Blank (BL) : No analytes were detected in the method blank sample.

Laboratory Control Sample (QC): The QC was spiked with 167 ug/kilogram of PCB-1016 and PCB-1260. QC recoveries were within control limits.

MS/MSD Sample(s): The matrix spike and matrix spike duplicate samples are prepared from sample 97C05209. Samples were spiked with 167 ug/kilogram of PCB-1016 and PCB-1260. Due to the high concentration of PCB-1254 in the parent sample, the spike samples required 1:100 dilutions to effectively quantitate the PCBs. PCB-1016 spike recoveries are in control. PCB-1260 spike recoveries were diluted out for both the MS and MSD samples and were outside of control limits. The relative percent difference between the two spike recoveries were within the method performance control limits.

Surrogates: All samples were spiked with 16.7 ug/kilogram of surrogate standards tetrachloro-m-xylene and dibutylchorendate. Even though the method only requires one surrogate to be within control limits, two are spiked. This is done since the retention time window for tetrachloro-m-xylene falls in the same region as PCB 1016 while the retention time window for dibutylchlorendate falls in the same region as PCB 1260. If high concentrations of either PCB are present in the sample, the remaining surrogate can still be effectively quantitated, maintaining acceptable quality control. All tetrachloro-m-xylene recoveries were within the method performance control limits. All dibutylchorendate surrogate recoveries were within the method performance control limits with exception of the recovery for sample 97C05228. Dibutychlorendate recoveries were not quantifiable for samples 97C05209, 97C05209MS, 97C05209MSD, 97C05210, 97C05211, 97C05212, 97C05214, 97C05215, 97C05216, 97C05217, 97C05218, 97C05219, 97C05222, 97C05223 and 97C05227. Since all tetrachloro-m-xylene surrogates were within the method control limits for all samples, method acceptance criteria was met for all samples.

Instrument QC:

Initial Calibration: All calibration curves met method specification.

Initial Calibration Verification (ICV): All ICV recoveries are within ±25%.

Continuing Calibration Verification (CCV): CCV recoveries for the analysis were poor. Samples extraction hold times were expired and extracts were not found until analysis hold time had expired. No reanalysis nor reextractions were performed.

All CCV surrogate recoveries for CCVs bracketing undiluted sample analyses were within ±15%. All PCB-1016 CCV recoveries are within ±15% with exception of CCV#1 (+26%), CCV#2 (+31%) and CCV#3 (+22%). All PCB-1260 CCV recoveries are within ±15% with exception of CCV#2 (+18%), CCV#4 (-24%) and CCV#5 (-24%). To determine which samples are bracketted by which CCVs, reference the injection log.

NC/CAR: No Non-conformance/Corrective Action Reports were required for this set.

Sample Calculation: Analyte concentrations in sample extracts were determined by interpolation from quadratic regression of standard response versus concentration. Final concentration if ug/kilogram was determined from the equation

$$C_S \quad \frac{C_E \quad V_E \quad DF}{V_S}$$

where C_S = Analyte concentration in sample (ug/kilogram)

C_E = Analyte concentration in extract (mg/mL)

V_E = Final volume of extract (mL)

DF = Dilution factor

V_S = Initial aliquot of sample taken for preparation (Kilogram)

Miscellaneous Comments: Sample identification is as follows:

DCL Sample ID	RFW Sample ID	DCL Sample ID	RFW Sample ID
97C05109	XXXNS1	97C05119	YYYNS1
97C05110	XXXSS2	97C05120	YYYND2
97C05111	XXXSS1	97C05121	YYYSED(D)
97C05112	XXXSD2	97C05122	YYYSD2
97C05113	YYYSED(S)2	97C05123	ZZZSD2
97C05114	YYYSS1	97C05124	ZZZND2
97C05115	YYYSD1	97C05125	ZZZNS3
97C05116	YYYND1	97C05126	ZZZSS2
97C05117	YYYNS2	97C05127	ZZZSED(S)
97C05118	YYYSS2	97C05128	ZZZNS2

Richard W. Wade January 8, 1998

Richard W. Wade, DCL Section Manager

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

XXXNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05209
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 29.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 00:03
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.5	4.2	UD J
11104-28-2	Aroclor 1221	30.	47.	30.	UD
11141-16-5	Aroclor 1232	5.2	9.5	5.2	UD
53469-21-9	Aroclor 1242	3.6	9.5	3.6	UD
12672-29-6	Aroclor 1248	3.3	9.5	3.3	UD
11097-69-1	Aroclor 1254	220 ~~2.2~~	950 ~~9.5~~	10000	D N
11096-82-5	Aroclor 1260	210 ~~2.1~~	↓ ~~9.5~~	210 ~~2.1~~	UD J

D= 1:100

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
XXXSS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05210
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 30.3
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 01:53
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.6	4.2	~~UD~~ J
11104-28-2	Aroclor 1221	30.	48.	30.	~~UD~~
11141-16-5	Aroclor 1232	5.3	9.6	5.3	~~UD~~
53469-21-9	Aroclor 1242	3.6	9.6	3.6	~~UD~~
12672-29-6	Aroclor 1248	~~3.3~~ 330	~~9.6~~ 960	3.3	UD
11097-69-1	Aroclor 1254	~~2.2~~ 220	~~9.6~~	8500	D NJ
11096-82-5	Aroclor 1260	~~2.1~~ 210	~~9.6~~	~~2.1~~ 210	UD J

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0008

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

XXXSS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05211
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 32.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 02:29
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.4	9.9	4.4	~~UD~~ J
11104-28-2	Aroclor 1221	31.	49.	31.	~~UD~~
11141-16-5	Aroclor 1232	5.4	9.9	5.4	~~UD~~
53469-21-9	Aroclor 1242	3.7	9.9	3.7	~~UD~~
12672-29-6	Aroclor 1248	3.4	9.9	3.4	~~UD~~
11097-69-1	Aroclor 1254	230 ~~2.3~~	990 ~~9.9~~	6300 ~~6200~~	D NJ
11096-82-5	Aroclor 1260	220 ~~2.2~~	↓ ~~9.9~~	220 ~~2.2~~	UD J

D=1:100

0009

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

XXXSD2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05212
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 28.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 03:06
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.1	9.3	4.1	~~UD~~ J
11104-28-2	Aroclor 1221	29.	47.	29.	~~UD~~
11141-16-5	Aroclor 1232	5.1	9.3	5.1	~~UD~~
53469-21-9	Aroclor 1242	3.5	9.3	3.5	~~UD~~
12672-29-6	Aroclor 1248	320 ~~3.2~~	930 ~~9.3~~	320 ~~3.2~~	UD
11097-69-1	Aroclor 1254	220 ~~2.2~~	~~9.3~~	20000	D N
11096-82-5	Aroclor 1260	210 ~~2.1~~	~~9.3~~	210 ~~2.1~~	UD J

D = 1:100

0010

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYSED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05213
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 40.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 03:43
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	5.0	11.	5.0	UD J
11104-28-2	Aroclor 1221	35.	56.	35.	UD
11141-16-5	Aroclor 1232	6.2	11.	6.2	UD
53469-21-9	Aroclor 1242	4.3	11.	4.3	UD
12672-29-6	Aroclor 1248	3.9	11.	3.9	UD
11097-69-1	Aroclor 1254	~~2.6~~ 260	~~11.~~ 1100	3700	D N
11096-82-5	Aroclor 1260	~~2.5~~ 250	~~11.~~	2.5	UD J

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0011

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYSS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05214
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 29.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 04:20
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.5	4.2	UD J
11104-28-2	Aroclor 1221	30.	47.	30.	UD
11141-16-5	Aroclor 1232	5.2	9.5	5.2	UD
53469-21-9	Aroclor 1242	3.6	9.5	3.6	UD
12672-29-6	Aroclor 1248	3.3	9.5	3.3	UD
11097-69-1	Aroclor 1254	2.2	9.5	8800	D NJ
11096-82-5	Aroclor 1260	2.1	9.5	2.1	UD J

D=1:100

0012

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYSD1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05215
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 31.6
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 05:33
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.3	9.8	4.3	UD J
11104-28-2	Aroclor 1221	31.	49.	31.	UD
11141-16-5	Aroclor 1232	5.4	9.8	5.4	UD
53469-21-9	Aroclor 1242	3.7	9.8	3.7	UD
12672-29-6	Aroclor 1248	3.4	9.8	3.4	UD
11097-69-1	Aroclor 1254	230 ~~2.3~~	9x0 ~~9.8~~	11000	D N
11096-82-5	Aroclor 1260	210 ~~2.1~~	↓ ~~9.8~~	210 ~~2.1~~	UD J

D=1:100

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYND1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05216
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 36.1
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 06:10
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.6	10.	4.6	UD J
11104-28-2	Aroclor 1221	33.	52.	33.	UD
11141-16-5	Aroclor 1232	5.8	10.	5.8	UD
53469-21-9	Aroclor 1242	4.0	10.	4.0	UD
12672-29-6	Aroclor 1248	3.6	10.	3.6	UD
11097-69-1	Aroclor 1254	240 ~~2.4~~	1000 ~~10.~~	31000	D N
11096-82-5	Aroclor 1260	230 ~~2.3~~	↓ ~~10.~~	230 ~~2.3~~	UD J

D=1:100

0014

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYNS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05217
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 31.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 06:46
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.3	9.7	4.3	UD ~~J~~
11104-28-2	Aroclor 1221	31.	49.	31.	UD
11141-16-5	Aroclor 1232	5.4	9.7	5.4	UD
53469-21-9	Aroclor 1242	3.7	9.7	3.7	UD
12672-29-6	Aroclor 1248	3.4	9.7	3.4	UD
11097-69-1	Aroclor 1254	2.2	9.7	9500	D N
11096-82-5	Aroclor 1260	2.1	9.7	2.1	UD ~~J~~

D=1:100

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DATA CHEM LABORATORIES, INC.
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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYSS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05218
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 30.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 07:23
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.3	9.6	4.3	UD J
11104-28-2	Aroclor 1221	30.	48.	30.	UD
11141-16-5	Aroclor 1232	5.3	9.6	5.3	UD
53469-21-9	Aroclor 1242	3.7	9.6	3.7	UD
12672-29-6	Aroclor 1248	3.3	9.6	3.3	UD
11097-69-1	Aroclor 1254	2.2	9.6	14000	DN
11096-82-5	Aroclor 1260	2.1	9.6	2.1	UD J

D = 1:100

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05219
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 32.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 08:00
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.4	9.9	4.4	UD J
11104-28-2	Aroclor 1221	31.	49.	31.	UD
11141-16-5	Aroclor 1232	5.5	9.9	5.5	UD
53469-21-9	Aroclor 1242	3.7	9.9	3.7	UD
12672-29-6	Aroclor 1248	3.4	9.9	3.4	UD
11097-69-1	Aroclor 1254	2.3	9.9	7700	D NJ
11096-82-5	Aroclor 1260	2.2	9.9	2.2	UD J

D=1:100

0017

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

YYYND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05220
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 27.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 08:36
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.1	9.2	4.1	~~UD~~ J
11104-28-2	Aroclor 1221	29.	46.	29.	~~UD~~
11141-16-5	Aroclor 1232	5.1	9.2	5.1	~~UD~~
53469-21-9	Aroclor 1242	3.5	9.2	3.5	~~UD~~
12672-29-6	Aroclor 1248	3.2	9.2	3.2	~~UD~~
11097-69-1	Aroclor 1254	2.1	9.2	2800 ~~2900~~	~~D~~ NJ
11096-82-5	Aroclor 1260	2.0	9.2	2.0	~~UD~~ J

D = 1:100

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CLIENT SAMPLE NO.

YYYSED(D)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05221
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 16.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 23:55
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	3.5	8.0	3.5	UJ
11104-28-2	Aroclor 1221	25.	40.	25.	U
11141-16-5	Aroclor 1232	4.4	8.0	4.4	U
53469-21-9	Aroclor 1242	3.0	8.0	3.0	U
12672-29-6	Aroclor 1248	2.8	8.0	2.8	U
11097-69-1	Aroclor 1254	1.8	8.0	11.	NJ
11096-82-5	Aroclor 1260	1.8	8.0	1.8	UJ

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CLIENT SAMPLE NO.

YYYSD2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05222
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 32.1
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 09:50
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.3	9.8	4.3	UD J
11104-28-2	Aroclor 1221	31.	49.	31.	UD
11141-16-5	Aroclor 1232	5.4	9.8	5.4	UD
53469-21-9	Aroclor 1242	3.7	9.8	3.7	UD
12672-29-6	Aroclor 1248	~~3.4~~ 340	~~9.8~~ 980	~~3.4~~ 340	UD
11097-69-1	Aroclor 1254	~~2.3~~ 230	~~9.8~~ 1	22000	D N
11096-82-5	Aroclor 1260	~~2.2~~ 220	~~9.8~~ 1	~~2.2~~ 220	UD J

D=1:100

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZSD2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05223
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 46.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 10:27
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1~~00~~. 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	5.5	12.	5.5	UD J
11104-28-2	Aroclor 1221	39.	62.	39.	UD
11141-16-5	Aroclor 1232	6.9	12.	6.9	UD
53469-21-9	Aroclor 1242	4.7	12.	4.7	UD
12672-29-6	Aroclor 1248	430 ~~4.3~~	1200 ~~12.~~	430 ~~4.3~~	UD
11097-69-1	Aroclor 1254	290 ~~2.9~~	~~12.~~	24000	D N
11096-82-5	Aroclor 1260	270 ~~2.7~~	~~12.~~	270 ~~2.7~~	UD J

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ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05224
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 8.10
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 02:22
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	3.2	7.3	3.2	U J
11104-28-2	Aroclor 1221	23.	36.	23.	U
11141-16-5	Aroclor 1232	4.0	7.3	4.0	U
53469-21-9	Aroclor 1242	2.8	7.3	2.8	U
12672-29-6	Aroclor 1248	2.5	7.3	2.5	U
11097-69-1	Aroclor 1254	1.7	7.3	34.	N
11096-82-5	Aroclor 1260	1.6	7.3	1.6	U J

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CLIENT SAMPLE NO.

ZZZNS3

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05225
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 12:17
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	3.6	8.2	3.6	UD J
11104-28-2	Aroclor 1221	26.	41.	26.	UD
11141-16-5	Aroclor 1232	4.5	8.2	4.5	UD
53469-21-9	Aroclor 1242	3.1	8.2	3.1	UD
12672-29-6	Aroclor 1248	280 ~~2.8~~	820 ~~8.2~~	280 ~~2.8~~	UD
11097-69-1	Aroclor 1254	190 ~~1.9~~	1 ~~8.2~~	2300 ~~2200~~	D N
11096-82-5	Aroclor 1260	180 ~~1.8~~	1 ~~8.2~~	180 ~~1.8~~	UD J

D = 1:100

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DATA CHEM LABORATORIES, INC.
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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZSS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05226
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 35.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 12:54
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.6	10.	4.6	UD J
11104-28-2	Aroclor 1221	32.	52.	32.	UD
11141-16-5	Aroclor 1232	5.7	10.	5.7	UD
53469-21-9	Aroclor 1242	3.9	10.	3.9	UD
12672-29-6	Aroclor 1248	3.6	10.	3.6	UD
11097-69-1	Aroclor 1254	240 ~~2.4~~	1000 ~~10.~~	9000	D N
11096-82-5	Aroclor 1260	230 ~~2.3~~	1 ~~10.~~	230 ~~2.3~~	UD J

D=1:100

DATA CHEM LABORATORIES, INC.
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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZSED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05227
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 04:12
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	3.6	8.2	3.6	U J
11104-28-2	Aroclor 1221	26.	41.	26.	U
11141-16-5	Aroclor 1232	4.5	8.2	4.5	U
53469-21-9	Aroclor 1242	3.1	8.2	3.1	U
12672-29-6	Aroclor 1248	2.8	8.2	2.8	U
11097-69-1	Aroclor 1254	1.9	8.2	20.	N
11096-82-5	Aroclor 1260	1.8	8.2	1.8	U J

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PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZNS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05228
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 8.80
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 04:49
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	3.2	7.3	3.2	UJ
11104-28-2	Aroclor 1221	23.	37.	23.	U
11141-16-5	Aroclor 1232	4.0	7.3	4.0	U
53469-21-9	Aroclor 1242	2.8	7.3	2.8	U
12672-29-6	Aroclor 1248	2.5	7.3	2.5	U
11097-69-1	Aroclor 1254	1.7	7.3	6.2 ~~4.9~~	JN
11096-82-5	Aroclor 1260	1.6	7.3	1.6	UJ

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

XXXNS1 MS

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05209MS
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 29.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 00:39
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 100.
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.5	1310	D
11096-82-5	Aroclor 1260	2.1	9.5	7790	D

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DATA CHEM LABORATORIES, INC.
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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

XXXNS1 MSD

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: 97C05209MSD
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 29.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 21-Nov-1997 01:16
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 100.
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.5	1400	D
11096-82-5	Aroclor 1260	2.1	9.5	7980	D

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-142138-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: BL-142138-1
Sample wt/vol: 0.030 Kg
Reporting Basis: As Received
% Moisture:
Decanted:
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Nov-1997 22:49
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	2.95	6.67	2.95	U
11104-28-2	Aroclor 1221	20.9	33.3	20.9	U
11141-16-5	Aroclor 1232	3.68	6.67	3.68	U
53469-21-9	Aroclor 1242	2.53	6.67	2.53	U
12672-29-6	Aroclor 1248	2.30	6.67	2.30	U
11097-69-1	Aroclor 1254	1.54	6.67	1.54	U
11096-82-5	Aroclor 1260	1.47	6.67	1.47	U

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1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

QC-142138-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: QC-142138-1
Sample wt/vol: 0.030 Kg
Reporting Basis: As Received
% Moisture:
Decanted:
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Nov-1997 23:23
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	2.95	6.67	134.	
11096-82-5	Aroclor 1260	1.47	6.67	125.	

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

2
PESTICIDES
SURROGATE RECOVERY

Report Number: 97-00011

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: XXXNS1 DCL Set ID: 97C-0437-01

Matrix: SOIL Analysis Method: 8080A

Column(1): DB-608 ID: .53mm

	CLIENT SAMPLE NO.	DBC COLUMN 1 % REC	TCX COLUMN 1 % REC	TOTAL OUT
01	XXXNS1	0 *	90.6	1 0
02	XXXSS2	0 *	111.	1 0
03	XXXSS1	0 *	91.4	1 0
04	XXXSD2	0 *	93.8	1 0
05	YYYSED(S)	60.9	91.6	0
06	YYYSS1	0 *	92.5	1 0
07	YYYSD1	0 *	84.7	1 0
08	YYYND1	0 *	95.2	1 0
09	YYYNS2	0 *	90.6	1 0
10	YYYSS2	0 *	90.8	1 0
11	YYYNS1	0 *	93.5	1 0
12	YYYND2	85.8	102.	0
13	YYYSED(D)	73.3	90.4	0
14	YYYSD2	0 *	97.0	1 0
15	ZZZSD2	0 *	84.7	1 0
16	ZZZND2	54.8	84.3	0
17	ZZZNS3	81.8	95.4	0
18	ZZZSS2	0 *	90.1	1 0
19	ZZZSED(S)	71.2	89.8	0
20	ZZZNS2	(31.7*)	61.6	1
21	XXXNS1 MS	0 *	88.4	1 0
22	XXXNS1 MSD	0 *	93.2	1 0
23	BL-142138-1	95.6	81.9	0
24	QC-142138-1	107.	86.0	0

QC LIMITS

DBC = Dibutylchlorendate
TCX = Tetrachloro-meta-Xylene (38.4-156.)

* Values outside of contract required QC limits.

FORM II CHROM

DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

3-1
PESTICIDES
MS and MSD RECOVERY

Report Number: 97-00011

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: XXXNS1 DCL Set ID: 97C-0437-01

Matrix: SOIL Analysis Method: 8080A

Matrix Spike - Client Sample No. XXXNS1 DCL Sample No.: 97C05209MS

MS Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC QC LIMITS
Aroclor 1016	1:1	167.	0 ~~1800~~	415 ~~1310~~	248 ~~79.8~~ *	44.0-140.
Aroclor 1260	1:100	167.	0 ~~11000~~	7790	~~233.~~ *	48.1-146.

46665

MSD Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Aroclor 1016	1:1	167.	435 ~~1400~~	260 ~~134.~~ *	4.7 ~~6.72~~	15.8	44.0-140.
Aroclor 1260	1:100	167.	7980	~~121.~~ *	~~2.37~~	45.9	48.1-146.

4778 2.4

* Values outside of contract required QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery: 2 out of 4 outside limits.

FORM III CHROM-1

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

3-2
PESTICIDES
LCS and LCSD RECOVERY

Report Number: 97-00011

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
Analysis Method: 8080A
DCL Sample No.: QC-142138-1

LCS Concentration Units: ug/Kg

COMPOUND	TARGET CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC QC LIMITS
Aroclor 1016	167.	134.	80.2	53.1-140.
Aroclor 1260	167.	125.	74.8	48.0-151.

RPD: 0 out of 0 outside limits.
Spike Recovery: 0 out of 2 outside limits.

FORM III CHROM-2

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

4
PESTICIDES
METHOD BLANK SUMMARY

Report Number: 97-00011

SAMPLE NO.

BL-142138-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: XXXNS1
DCL Set ID: 97C-0437-01
Matrix: SOIL
DCL Sample ID: BL-142138-1
Analysis Method: 8080A
Extraction Method: 3550C
Sulfur Cleanup: Y
Date Extracted: 13-Nov-1997 00:00
Column (1): DB-608
ID: .53mm
Date Analyzed (1): 20-Nov-1997 22:49
Instrument ID (1): GC/ECD-6

THIS METHOD BLANK APPLIES TO THE FOLLOWING FIELD SAMPLES AND LAB QC

	CLIENT SAMPLE NO.	DCL SAMPLE NO.	DATE ANALYZED COLUMN 1
01	XXXNS1	97C05209	21-Nov-1997 00:03
02	XXXSS2	97C05210	21-Nov-1997 01:53
03	XXXSS1	97C05211	21-Nov-1997 02:29
04	XXXSD2	97C05212	21-Nov-1997 03:06
05	YYYSED(S)	97C05213	21-Nov-1997 03:43
06	YYYSS1	97C05214	21-Nov-1997 04:20
07	YYYSD1	97C05215	21-Nov-1997 05:33
08	YYYND1	97C05216	21-Nov-1997 06:10
09	YYYNS2	97C05217	21-Nov-1997 06:46
10	YYYSS2	97C05218	21-Nov-1997 07:23
11	YYYNS1	97C05219	21-Nov-1997 08:00
12	YYYND2	97C05220	21-Nov-1997 08:36
13	YYYSED(D)	97C05221	21-Nov-1997 23:55
14	YYYSD2	97C05222	21-Nov-1997 09:50
15	ZZZSD2	97C05223	21-Nov-1997 10:27
16	ZZZND2	97C05224	22-Nov-1997 02:22
17	ZZZNS3	97C05225	21-Nov-1997 12:17
18	ZZZSS2	97C05226	21-Nov-1997 12:54
19	ZZZSED(S)	97C05227	22-Nov-1997 04:12
20	ZZZNS2	97C05228	22-Nov-1997 04:49
21	XXXNS1	97C05209MS	21-Nov-1997 00:39
22	XXXNS1	97C05209MSD	21-Nov-1997 01:16
23	QC-142138-1	QC-142138-1	20-Nov-1997 23:23

FORM IV CHROM

DATA CHEM LABORATORIES
A SORENSON COMPANY

7

Datapackage Table of Contents

Information pertaining to this datapackage is divided into the four categories listed below (see colored divider sheets for an inventory list of each category). If an item on the inventory is not applicable, an "NA" is placed in the corresponding check box. A Case Narrative immediately precedes this Table of Contents and contains pertinent information about this datapackage.

Analytical Forms ..... Yellow
Sample Tracking Documentation ..... Pink
Analytical Documentation ..... Blue
Raw Data ..... Green

♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦ ♦

Analytical Forms
Inventory Checklist

☒ Case Narrative

NA IRDMIS

- ☐ Data Review and Approval Form
- ☐ IRDMIS Reports
- ☐ GC/MS TICs

NA Commercial Forms

- ☐ Analytical or Environmental Report Form
- ☐ Set Comments
- ☐ Applicable QC Sheets

☒ RLIMS Forms

- ☒ Cover Form
- ☒ Sample Group Comments (Form H)
- ☒ Sample Analysis Data Sheet (Form A)
- ☒ Laboratory Control Sample (Form B)
- NA Blank Sample (Form C)
- NA Matrix Spike Sample (Form D)
- NA Matrix Duplicate Sample (Form E)
- ☒ Matrix Spike/Matrix Spike Duplicate Sample (Form F)
- ☒ Surrogate Summary (Form G)
- ☒ Initial Calibration Form
- ☒ Continuing Calibration Form
- NA Serial Dilution Form
- NA Endrin Breakdown or BFB/DFTPP GC/MS Tuning Form
- NA Internal Standard Form

Analytical Forms
Reviewer Checklist

- X The Analytical Forms Inventory Checklist above is complete.
- X The Case Narrative was completed in accordance with procedures in DCL SOP XX-DC-020, "Datapackage Preparation and Validation."
- X Only the correct report forms are used (IRDMIS or Commercial Forms or RLIMS Forms).
- X All fields on the report forms are complete with the correct information, including signatures.
- X Results for all samples are reported per client request.
- X Units, methods, and dates are correct.
- X Sample and/or set comments are complete.

Assembled by: [signature] 12/1/97 (Signature, Date) Reviewed by: Vicki Tsai 1/2/98 (Signature, Date)

Rev. 3/95

DATA CHEM LABORATORIES
A Sorenson Company

COVER PAGE

ANALYTICAL REPORT FOR
Roy F. Weston

Phone(908) 225-6116 Fax(908) 225-7037

Form COVER-V1.3
12039717172239
Page 1

G97B701R

DCL Report Group..: **97C-0437-01**

Date Printed.....: 03-DEC-97 17:17

Project Protocol #: P97B5002
Client Ref Number.: Not Provided
Release Number....: XXXNS1

Analysis Method(s): 8080A

Roy F. Weston
Attention: Smita Sumbaly
1090 King Georges Post Road, Suite 201
Edison, NJ 08837

Client Sample Name	Laboratory Sample Name	Date Sampled	Date Received
Method Blank	BL-142138-1	NA	NA
LCS	QC-142138-1	NA	NA
XXXNS1	97C05209	06-NOV-97	07-NOV-97
XXXNS1	97C05209MS	06-NOV-97	07-NOV-97
XXXNS1	97C05209MSD	06-NOV-97	07-NOV-97
XXXSS2	97C05210	06-NOV-97	07-NOV-97
XXXSS1	97C05211	06-NOV-97	07-NOV-97
XXXSD2	97C05212	06-NOV-97	07-NOV-97
YYYSED(S)	97C05213	06-NOV-97	07-NOV-97
YYYSS1	97C05214	06-NOV-97	07-NOV-97
YYYSD1	97C05215	06-NOV-97	07-NOV-97
YYYND1	97C05216	06-NOV-97	07-NOV-97
YYYNS2	97C05217	06-NOV-97	07-NOV-97
YYYSS2	97C05218	06-NOV-97	07-NOV-97
YYYNS1	97C05219	06-NOV-97	07-NOV-97
YYYND2	97C05220	06-NOV-97	07-NOV-97
YYYSED(D)	97C05221	06-NOV-97	07-NOV-97
YYYSD2	97C05222	06-NOV-97	07-NOV-97
ZZZSD2	97C05223	06-NOV-97	07-NOV-97
ZZZND2	97C05224	06-NOV-97	07-NOV-97
ZZZNS3	97C05225	06-NOV-97	07-NOV-97
ZZZSS2	97C05226	06-NOV-97	07-NOV-97
ZZZSED(S)	97C05227	06-NOV-97	07-NOV-97
ZZZNS2	97C05228	06-NOV-97	07-NOV-97

Analyst: J. Chris Taylor — Date 12/3/97

Reviewer: Vicki Hoe-Lin Tsai — Date 1/2/98

Lab Supervisor: Richard W. Wade — Date 1/5/98

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DATA CHEM LABORATORIES
A Sorenson Company

FORM H (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE GROUP COMMENTS

G97B701R

DCL Report Group..: 97C-0437-01
Date Printed.....: 03-DEC-97 17:17

Client Name...: Roy F. Weston

Release Number....: XXXNS1

General Information

The DCL QC Database maintains all numerical figures which are input from the pertinent data source. These data have not been rounded to significant figures nor have they been moisture corrected. Reports generated from the system, however, list data which have been rounded to the number of significant figures requested by the client or deemed appropriate for the method. This may create minor discrepancies between data which appear on the QC Summary Forms (Forms B-G) and those that would be calculated from rounded analytical results. Additionally, if a moisture correction is performed, differences will be observed between the QC data and the surrogate data reported on Form A (or other report forms) and corresponding data reported on QC Summary Forms. In these cases, the Form A will indicate the "Report Basis" as well as the moisture value used for making the correction.
Report generation options: AX

Result Symbol Definitions

ND - Not Detected above the MDL or IDL (LLD or MDC for radiochemistry).
** - No result could be reported, see sample comments for details.

Qualifier Symbol Definitions

U - Not Detected above the MDL or IDL (LLD or MDC for radiochemistry).
For radiochemistry the nuclide was not identified by the Canberra Nuclear NID program, activity values reported are calculated using the Canberra Nuclear MINACT program.
B - For organic analysis the qualifier indicates that this analyte was found in the method blank.
For inorganic analysis the qualifier signifies the value is between the IDL and PQL.
J - The qualifier indicates that the value is between the MDL and the PQL. It is also used for indicating an estimated value for tentatively identified compounds in mass spectrometry where a 1:1 response is assumed.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 3

S97BC01Z

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: XXXNS1

Date Received.....: Not Applicable

Client Sample Name: **BL-142138-1**
DCL Sample Name...: **BL-142138-1**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: Not Applicable
Reporting Units...: µg/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-NOV-97 22:49	2.95	ND			1.00	6.67
Aroclor 1221	20-NOV-97 22:49	20.9	ND			1.00	33.3
Aroclor 1232	20-NOV-97 22:49	3.68	ND			1.00	6.67
Aroclor 1242	20-NOV-97 22:49	2.53	ND			1.00	6.67
Aroclor 1248	20-NOV-97 22:49	2.30	ND			1.00	6.67
Aroclor 1254	20-NOV-97 22:49	1.54	ND			1.00	6.67
Aroclor 1260	20-NOV-97 22:49	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	15.9	16.7	95.6
Tetrachloro-m-xylene	13.7	16.7	81.9

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97BC020

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: XXXNS1

Date Received.....: Not Applicable

Client Sample Name: QC-142138-1
DCL Sample Name...: QC-142138-1
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: Not Applicable
Reporting Units...: µg/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-NOV-97 23:23	2.95	130			1.00	6.67
Aroclor 1260	20-NOV-97 23:23	1.47	120			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	17.9	16.7	107.
Tetrachloro-m-xylene	14.3	16.7	86.0

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70HW

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: XXXNS1
DCL Sample Name...: 97C05209
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 70.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 00:03	4.2	ND			100.	9.5
Aroclor 1221	21-NOV-97 00:03	30.	ND			100.	47.
Aroclor 1232	21-NOV-97 00:03	5.2	ND			100.	9.5
Aroclor 1242	21-NOV-97 00:03	3.6	ND			100.	9.5
Aroclor 1248	21-NOV-97 00:03	3.3	ND			100.	9.5
Aroclor 1254	21-NOV-97 00:03	2.2	10000			100.	9.5
Aroclor 1260	21-NOV-97 00:03	2.1	ND			100.	9.5

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.1	16.7	90.6

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 6

S97B70HX

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: XXXNS1
DCL Sample Name...: 97C05209MS
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 70.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 00:39	4.2	1800			100.	9.5
Aroclor 1260	21-NOV-97 00:39	2.1	11000			100.	9.5

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.7	16.7	88.4

0041

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70HY

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **XXXNS1**
DCL Sample Name...: **97C05209MSD**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 70.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 01:16	4.2	2000			100.	9.5
Aroclor 1260	21-NOV-97 01:16	2.1	11000			100.	9.5

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.5	16.7	93.2

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 8

S97B70HZ

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **XXXSS2**
DCL Sample Name...: **97C05210**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:11
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 69.7

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 01:53	4.2	ND			100.	9.6
Aroclor 1221	21-NOV-97 01:53	30.	ND			100.	48.
Aroclor 1232	21-NOV-97 01:53	5.3	ND			100.	9.6
Aroclor 1242	21-NOV-97 01:53	3.6	ND			100.	9.6
Aroclor 1248	21-NOV-97 01:53	3.3	ND			100.	9.6
Aroclor 1254	21-NOV-97 01:53	2.2	8500			100.	9.6
Aroclor 1260	21-NOV-97 01:53	2.1	ND			100.	9.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	18.5	16.7	111.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J0

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **XXXSS1**
DCL Sample Name...: **97C05211**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 67.6

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 02:29	4.4	ND			100.	9.9
Aroclor 1221	21-NOV-97 02:29	31.	ND			100.	49.
Aroclor 1232	21-NOV-97 02:29	5.4	ND			100.	9.9
Aroclor 1242	21-NOV-97 02:29	3.7	ND			100.	9.9
Aroclor 1248	21-NOV-97 02:29	3.4	ND			100.	9.9
Aroclor 1254	21-NOV-97 02:29	2.3	6200			100.	9.9
Aroclor 1260	21-NOV-97 02:29	2.2	ND			100.	9.9

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.2	16.7	91.4

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J1

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **XXXSD2**
DCL Sample Name...: **97C05212**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:10
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 71.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 03:06	4.1	ND			100.	9.3
Aroclor 1221	21-NOV-97 03:06	29.	ND			100.	47.
Aroclor 1232	21-NOV-97 03:06	5.1	ND			100.	9.3
Aroclor 1242	21-NOV-97 03:06	3.5	ND			100.	9.3
Aroclor 1248	21-NOV-97 03:06	3.2	ND			100.	9.3
Aroclor 1254	21-NOV-97 03:06	2.2	20000			100.	9.3
Aroclor 1260	21-NOV-97 03:06	2.1	ND			100.	9.3

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.6	16.7	93.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J2

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **YYYSED(S)**
DCL Sample Name...: **97C05213**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:15
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 59.3

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 03:43	5.0	ND			100.	11.
Aroclor 1221	21-NOV-97 03:43	35.	ND			100.	56.
Aroclor 1232	21-NOV-97 03:43	6.2	ND			100.	11.
Aroclor 1242	21-NOV-97 03:43	4.3	ND			100.	11.
Aroclor 1248	21-NOV-97 03:43	3.9	ND			100.	11.
Aroclor 1254	21-NOV-97 03:43	2.6	3700			100.	11.
Aroclor 1260	21-NOV-97 03:43	2.5	ND			100.	11.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	10.2	16.7	60.9
Tetrachloro-m-xylene	15.3	16.7	91.6

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J3

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: YYYSS1
DCL Sample Name...: 97C05214
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:20
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 70.3

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 04:20	4.2	ND			100.	9.5
Aroclor 1221	21-NOV-97 04:20	30.	ND			100.	47.
Aroclor 1232	21-NOV-97 04:20	5.2	ND			100.	9.5
Aroclor 1242	21-NOV-97 04:20	3.6	ND			100.	9.5
Aroclor 1248	21-NOV-97 04:20	3.3	ND			100.	9.5
Aroclor 1254	21-NOV-97 04:20	2.2	8800			100.	9.5
Aroclor 1260	21-NOV-97 04:20	2.1	ND			100.	9.5

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.4	16.7	92.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J4

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: YYYSD1
DCL Sample Name...: 97C05215
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 68.4

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 05:33	4.3	ND			100.	9.8
Aroclor 1221	21-NOV-97 05:33	31.	ND			100.	49.
Aroclor 1232	21-NOV-97 05:33	5.4	ND			100.	9.8
Aroclor 1242	21-NOV-97 05:33	3.7	ND			100.	9.8
Aroclor 1248	21-NOV-97 05:33	3.4	ND			100.	9.8
Aroclor 1254	21-NOV-97 05:33	2.3	11000			100.	9.8
Aroclor 1260	21-NOV-97 05:33	2.1	ND			100.	9.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.1	16.7	84.7

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J5

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **YYYND1**
DCL Sample Name...: **97C05216**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 63.9

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 06:10	4.6	ND			100.	10.
Aroclor 1221	21-NOV-97 06:10	33.	ND			100.	52.
Aroclor 1232	21-NOV-97 06:10	5.8	ND			100.	10.
Aroclor 1242	21-NOV-97 06:10	4.0	ND			100.	10.
Aroclor 1248	21-NOV-97 06:10	3.6	ND			100.	10.
Aroclor 1254	21-NOV-97 06:10	2.4	31000			100.	10.
Aroclor 1260	21-NOV-97 06:10	2.3	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.9	16.7	95.2

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J6

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **YYYNS2**
DCL Sample Name...: **97C05217**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:20
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 68.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 06:46	4.3	ND			100.	9.7
Aroclor 1221	21-NOV-97 06:46	31.	ND			100.	49.
Aroclor 1232	21-NOV-97 06:46	5.4	ND			100.	9.7
Aroclor 1242	21-NOV-97 06:46	3.7	ND			100.	9.7
Aroclor 1248	21-NOV-97 06:46	3.4	ND			100.	9.7
Aroclor 1254	21-NOV-97 06:46	2.2	9500			100.	9.7
Aroclor 1260	21-NOV-97 06:46	2.1	ND			100.	9.7

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.1	16.7	90.6

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 16

S97B70J7

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: YYYSS2
DCL Sample Name...: 97C05218
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 69.2

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 07:23	4.3	ND			100.	9.6
Aroclor 1221	21-NOV-97 07:23	30.	ND			100.	48.
Aroclor 1232	21-NOV-97 07:23	5.3	ND			100.	9.6
Aroclor 1242	21-NOV-97 07:23	3.7	ND			100.	9.6
Aroclor 1248	21-NOV-97 07:23	3.3	ND			100.	9.6
Aroclor 1254	21-NOV-97 07:23	2.2	14000			100.	9.6
Aroclor 1260	21-NOV-97 07:23	2.1	ND			100.	9.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.1	16.7	90.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J8

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **XXXNS1**
DCL Sample Name...: **97C05219**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 67.5

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 08:00	4.4	ND			100.	9.9
Aroclor 1221	21-NOV-97 08:00	31.	ND			100.	49.
Aroclor 1232	21-NOV-97 08:00	5.5	ND			100.	9.9
Aroclor 1242	21-NOV-97 08:00	3.7	ND			100.	9.9
Aroclor 1248	21-NOV-97 08:00	3.4	ND			100.	9.9
Aroclor 1254	21-NOV-97 08:00	2.3	7700			100.	9.9
Aroclor 1260	21-NOV-97 08:00	2.2	ND			100.	9.9

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.6	16.7	93.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J9

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **YYYND2**
DCL Sample Name...: **97C05220**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:27
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 72.6

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 08:36	4.1	ND			100.	9.2
Aroclor 1221	21-NOV-97 08:36	29.	ND			100.	46.
Aroclor 1232	21-NOV-97 08:36	5.1	ND			100.	9.2
Aroclor 1242	21-NOV-97 08:36	3.5	ND			100.	9.2
Aroclor 1248	21-NOV-97 08:36	3.2	ND			100.	9.2
Aroclor 1254	21-NOV-97 08:36	2.1	2900			100.	9.2
Aroclor 1260	21-NOV-97 08:36	2.0	ND			100.	9.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	14.3	16.7	85.8
Tetrachloro-m-xylene	16.9	16.7	102.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JB

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **YYYSED(D)**
DCL Sample Name...: **97C05221**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:17
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 83.6

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 23:55	3.5	ND			1.00	8.0
Aroclor 1221	21-NOV-97 23:55	25.	ND			1.00	40.
Aroclor 1232	21-NOV-97 23:55	4.4	ND			1.00	8.0
Aroclor 1242	21-NOV-97 23:55	3.0	ND			1.00	8.0
Aroclor 1248	21-NOV-97 23:55	2.8	ND			1.00	8.0
Aroclor 1254	21-NOV-97 23:55	1.8	11.			1.00	8.0
Aroclor 1260	21-NOV-97 23:55	1.8	ND			1.00	8.0

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	12.2	16.7	73.3
Tetrachloro-m-xylene	15.1	16.7	90.4

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JC

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: YYYSD2
DCL Sample Name...: 97C05222
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 67.9

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 09:50	4.3	ND			100.	9.8
Aroclor 1221	21-NOV-97 09:50	31.	ND			100.	49.
Aroclor 1232	21-NOV-97 09:50	5.4	ND			100.	9.8
Aroclor 1242	21-NOV-97 09:50	3.7	ND			100.	9.8
Aroclor 1248	21-NOV-97 09:50	3.4	ND			100.	9.8
Aroclor 1254	21-NOV-97 09:50	2.3	22000			100.	9.8
Aroclor 1260	21-NOV-97 09:50	2.2	ND			100.	9.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.2	16.7	97.0

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JD

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **ZZZSD2**
DCL Sample Name...: **97C05223**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:45
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 53.6

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 10:27	5.5	ND			100.	12.
Aroclor 1221	21-NOV-97 10:27	39.	ND			100.	62.
Aroclor 1232	21-NOV-97 10:27	6.9	ND			100.	12.
Aroclor 1242	21-NOV-97 10:27	4.7	ND			100.	12.
Aroclor 1248	21-NOV-97 10:27	4.3	ND			100.	12.
Aroclor 1254	21-NOV-97 10:27	2.9	24000			100.	12.
Aroclor 1260	21-NOV-97 10:27	2.7	ND			100.	12.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.1	16.7	84.7

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JF

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **ZZZND2**
DCL Sample Name...: **97C05224**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:44
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 91.9

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 02:22	3.2	ND			1.00	7.3
Aroclor 1221	22-NOV-97 02:22	23.	ND			1.00	36.
Aroclor 1232	22-NOV-97 02:22	4.0	ND			1.00	7.3
Aroclor 1242	22-NOV-97 02:22	2.8	ND			1.00	7.3
Aroclor 1248	22-NOV-97 02:22	2.5	ND			1.00	7.3
Aroclor 1254	22-NOV-97 02:22	1.7	34.			1.00	7.3
Aroclor 1260	22-NOV-97 02:22	1.6	ND			1.00	7.3

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	9.14	16.7	54.8
Tetrachloro-m-xylene	14.1	16.7	84.3

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 23

S97B70JG

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: ZZZNS3
DCL Sample Name...: 97C05225
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:45
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.3

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 12:17	3.6	ND			100.	8.2
Aroclor 1221	21-NOV-97 12:17	26.	ND			100.	41.
Aroclor 1232	21-NOV-97 12:17	4.5	ND			100.	8.2
Aroclor 1242	21-NOV-97 12:17	3.1	ND			100.	8.2
Aroclor 1248	21-NOV-97 12:17	2.8	ND			100.	8.2
Aroclor 1254	21-NOV-97 12:17	1.9	2200			100.	8.2
Aroclor 1260	21-NOV-97 12:17	1.8	ND			100.	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	13.6	16.7	81.8
Tetrachloro-m-xylene	15.9	16.7	95.4

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JH

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: ZZZSS2
DCL Sample Name...: 97C05226
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:42
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 64.6

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 12:54	4.6	ND			100.	10.
Aroclor 1221	21-NOV-97 12:54	32.	ND			100.	52.
Aroclor 1232	21-NOV-97 12:54	5.7	ND			100.	10.
Aroclor 1242	21-NOV-97 12:54	3.9	ND			100.	10.
Aroclor 1248	21-NOV-97 12:54	3.6	ND			100.	10.
Aroclor 1254	21-NOV-97 12:54	2.4	9000			100.	10.
Aroclor 1260	21-NOV-97 12:54	2.3	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.0	16.7	90.1

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039717172239
Page 25

S97B70JJ

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: ZZZSED(8)
DCL Sample Name...: 97C05227
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.3

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 04:12	3.6	ND			1.00	8.2
Aroclor 1221	22-NOV-97 04:12	26.	ND			1.00	41.
Aroclor 1232	22-NOV-97 04:12	4.5	ND			1.00	8.2
Aroclor 1242	22-NOV-97 04:12	3.1	ND			1.00	8.2
Aroclor 1248	22-NOV-97 04:12	2.8	ND			1.00	8.2
Aroclor 1254	22-NOV-97 04:12	1.9	20.			1.00	8.2
Aroclor 1260	22-NOV-97 04:12	1.8	ND			1.00	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	11.9	16.7	71.2
Tetrachloro-m-xylene	15.0	16.7	89.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JK

Date Printed.....: 03-DEC-97 17:17

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: TBA

Client Sample Name: **ZZZNS2**
DCL Sample Name...: **97C05228**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:39
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 91.2

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 04:49	3.2	ND			1.00	7.3
Aroclor 1221	22-NOV-97 04:49	23.	ND			1.00	37.
Aroclor 1232	22-NOV-97 04:49	4.0	ND			1.00	7.3
Aroclor 1242	22-NOV-97 04:49	2.8	ND			1.00	7.3
Aroclor 1248	22-NOV-97 04:49	2.5	ND			1.00	7.3
Aroclor 1254	22-NOV-97 04:49	1.7	4.9		J	1.00	7.3
Aroclor 1260	22-NOV-97 04:49	1.6	ND			1.00	7.3

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	5.28	16.7	31.7
Tetrachloro-m-xylene	10.3	16.7	61.6

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FORM B (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

Form RLIMS63B-V1.3
12039716522068
Page 27
S97BC020

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: QC-142138-1
Date Printed.....: 03-DEC-97 16:52

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	20-NOV-97 23:23	167.	134.	80.2	53.1/140.	
PCB 1260	20-NOV-97 23:23	167.	125.	74.8	48.0/151.	

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DATA CHEM LABORATORIES
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FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S97B70HX

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: **97C05209MS**
Date Printed.....: 03-DEC-97 16:52

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PCB 1016	21-NOV-97 00:39	1180	1310	167.	79.8	44.0/140.	
PCB 1260	21-NOV-97 00:39	8180	7790	167.	-233.	48.1/146.	*

S97B70HY

DCL Sample Name...: **97C05209MSD**

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	21-NOV-97 01:16	1400	134.	1350	91.0	6.7	0.00/15.8	
PCB 1260	21-NOV-97 01:16	7980	-121.	7880	187.	2.4	0.00/45.9	

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DATA CHEM LABORATORIES
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FORM G (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
SURROGATE SUMMARY

G97BC014

Date Printed.....: 03-DEC-97 16:52

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Prep Group.....: G97BC014
Preparation Method: 3550A

QC Limit Type.....: Performance

Surrogate Recoveries

Surr. ID	Tetrachloro-m-xylene				Dibutylchlorendate							
QC Limits	38.4/156.				37.0/147.							
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05209	15.1	16.7	90.6									
97C05209MS	14.7	16.7	88.4									
97C05209MSD	15.5	16.7	93.2									
97C05210	18.5	16.7	111.									
97C05211	15.2	16.7	91.4									
97C05212	15.6	16.7	93.8									
97C05213	15.3	16.7	91.6		10.2	16.7	60.9					
97C05214	15.4	16.7	92.5									
97C05215	14.1	16.7	84.7									
97C05216	15.9	16.7	95.2									
97C05217	15.1	16.7	90.6									
97C05218	15.1	16.7	90.8									
97C05219	15.6	16.7	93.5									
97C05220	16.9	16.7	102.		14.3	16.7	85.8					
97C05221	15.1	16.7	90.4		12.2	16.7	73.3					
97C05222	16.2	16.7	97.0									
97C05223	14.1	16.7	84.7									
97C05224	14.1	16.7	84.3		9.14	16.7	54.8					
97C05225	15.9	16.7	95.4		13.6	16.7	81.8					
97C05226	15.0	16.7	90.1									
97C05227	15.0	16.7	89.8		11.9	16.7	71.2					
97C05228	10.3	16.7	61.6		5.28	16.7	31.7	*				
BL-142138-1	13.7	16.7	81.9		15.9	16.7	95.6					
QC-142138-1	14.3	16.7	86.0		17.9	16.7	107.					

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FORM K
RUN LOG

Form RLIMS63-V1.0
12029712360074
Page 1

R97C1000

Run ID.....: R97C1000
Start Date.....: 13-NOV-1997 22:22

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

	Sample Name	Dilution	Date Acquired
	PRIME	1	13-NOV-1997 22:22
	PCB221_2.0	1	13-NOV-1997 22:58
	PCB232_2.0	1	13-NOV-1997 23:35
	PCB242_2.0	1	14-NOV-1997 00:12
	PCB248_2.0	1	14-NOV-1997 00:49
	$1254_0.02	1	14-NOV-1997 01:25
	$1254_0.10	1	14-NOV-1997 02:02
	$1254_0.20	1	14-NOV-1997 02:38
	$1254_1.0	1	14-NOV-1997 03:15
	$1254_2.0	1	14-NOV-1997 03:52
	ICV1254_1.0	1	14-NOV-1997 04:29
	$1660_0.01	1	14-NOV-1997 05:05
	$1660_0.10	1	14-NOV-1997 05:42
	$1660_0.20	1	14-NOV-1997 06:19
	$1660_1.0	1	14-NOV-1997 06:56
	$1660_2.0	1	14-NOV-1997 07:32
	ICV_1660_1.0	1	14-NOV-1997 08:09
1016/1260 NG 1	CCV_1660_1.0	1	20-NOV-1997 22:12
	BL-142138-1	1	20-NOV-1997 22:49
	QC-142138-1	1	20-NOV-1997 23:26
	97C05209 1254	100	21-NOV-1997 00:03
	97C05209MS	100	21-NOV-1997 00:39
	97C05209MSD	100	21-NOV-1997 01:16
	97C05210 1254	ok inte 100	21-NOV-1997 01:53
	97C05211 ↓	↓ 100	21-NOV-1997 02:29
	97C05212	100	21-NOV-1997 03:06
	97C05213 ↓	100	21-NOV-1997 03:43
	97C05214 ↓	ok inte 100	21-NOV-1997 04:20
1016/1260 2	CCV_1660_1.0	1	21-NOV-1997 04:56
	97C05215 1254	100	21-NOV-1997 05:33
	97C05216 ↓	100	21-NOV-1997 06:10
	97C05217 ↓	100	21-NOV-1997 06:46
	97C05218 ↓	100	21-NOV-1997 07:23
	97C05219 ↓	ok inte 100	21-NOV-1997 08:00
weak	97C05220 ↓	100	21-NOV-1997 08:36
	97C05221 NG	100	21-NOV-1997 09:13
	97C05222 1254	100	21-NOV-1997 09:50
	97C05223 ↓	100	21-NOV-1997 10:27
	97C05224 NG	100	21-NOV-1997 11:04
1016/1260 3	CCV_1660_1.0	1	21-NOV-1997 11:40
weak	97C05225 1254	100	21-NOV-1997 12:17
	97C05226 ↓	100	21-NOV-1997 12:54
	97C05227 NG	100	21-NOV-1997 13:31
	97C05228 ↓	100	21-NOV-1997 14:07

	Sample Name	Dilution	Date Acquired
	97C05209 all but 54	1	21-NOV-1997 14:44
	97C05209MS	1	21-NOV-1997 15:21
	97C05209MSD	1	21-NOV-1997 15:57
	97C05210 all but 48-60	1	21-NOV-1997 16:34
	97C05211 all but 54.60	1	21-NOV-1997 17:11
	97C05212 all but 48-60	1	21-NOV-1997 17:47
1260 4	CCV_1660_1.0	1	21-NOV-1997 18:24
	97C05213 all but 54.60	1	21-NOV-1997 19:01
	97C05214 ↓	1	21-NOV-1997 19:37
	97C05215 ↓	1	21-NOV-1997 20:14
	97C05216 ↓	1	21-NOV-1997 20:51
	97C05217 ↓	1	21-NOV-1997 21:28
	97C05218 all but 48-60	1	21-NOV-1997 22:05
	97C05219 all but 54.60	1	21-NOV-1997 22:41
	97C05220 all but 54	1	21-NOV-1997 23:18
	97C05221 1254	1	21-NOV-1997 23:55
	97C05222 all but 48-60	1	22-NOV-1997 00:32
1016/1260 5	CCV_1660_1.0	1	22-NOV-1997 01:08
	97C05223 all but 48-60	1	22-NOV-1997 01:45
	97C05224 worst	med 1254	22-NOV-1997 02:22
	97C05225 all but 54	1	22-NOV-1997 02:59
	97C05226 all but 54.60	1	22-NOV-1997 03:35
	97C05227 1254	1	22-NOV-1997 04:12
	97C05228 ND	1	22-NOV-1997 04:49
1016/1260 6	CCV_1660_1.0	1	22-NOV-1997 05:25

0065

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FORM L
INITIAL CALIBRATION

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Page 2

C97C1000

Compound.....: **Dibutylchlorendate**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

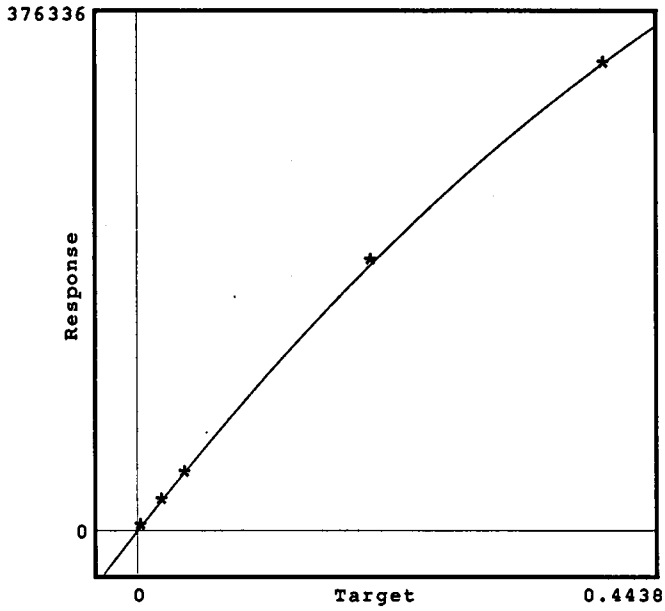
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9998570
Formula.....:
$-565885.0*X^2 + 1072870.*X + 715.6290$

RT Mean.....: 22.006
RT Std Deviation.: 0.00337

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	22.01	0.00200000	2954	2859.120	-3.21	14-NOV-1997 05:05
$1660_0.10	22.01	0.0200000	21698	21946.80	1.15	14-NOV-1997 05:42
$1660_0.20	22.01	0.0400000	41468	42725.30	3.03	14-NOV-1997 06:19
$1660_1.0	22.01	0.200000	195086	192656.0	-1.25	14-NOV-1997 06:56
$1660_2.0	22.01	0.400000	338384	339325.0	0.28	14-NOV-1997 07:32

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INITIAL CALIBRATION

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C97C1000

Compound.....: PCB 1016
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

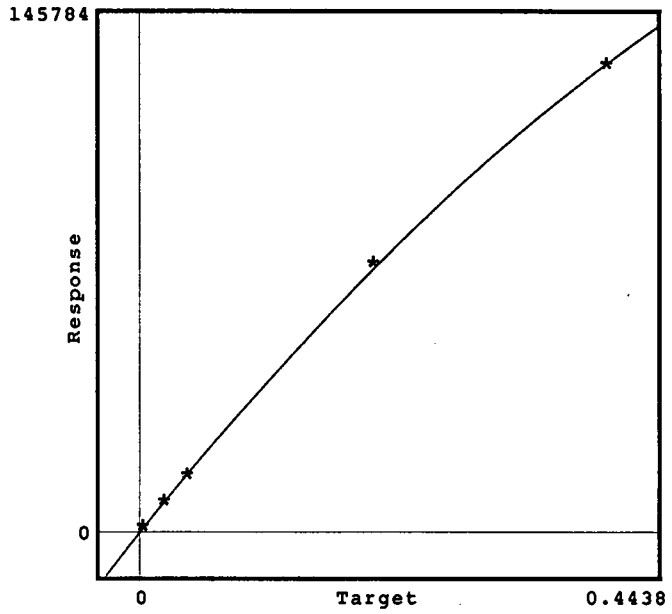
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9997330
Formula.....:
$-206499.0*X^2 + 410710.0*X + 193.9410$

RT Mean.....: 11.337
RT Std Deviation.: 0.005795

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	11.34	0.00200000	1059	1014.530	-4.20	14-NOV-1997 05:05
$1660_0.10	11.34	0.0200000	8227	8325.540	1.20	14-NOV-1997 05:42
$1660_0.20	11.34	0.0400000	15617	16291.90	4.32	14-NOV-1997 06:19
$1660_1.0	11.33	0.200000	75357	74076.00	-1.70	14-NOV-1997 06:56
$1660_2.0	11.33	0.400000	130942	131438.0	0.38	14-NOV-1997 07:32

FM 1/8/98
~~006~~
0067

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C97C1000

Compound.....: **PCB 1016**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

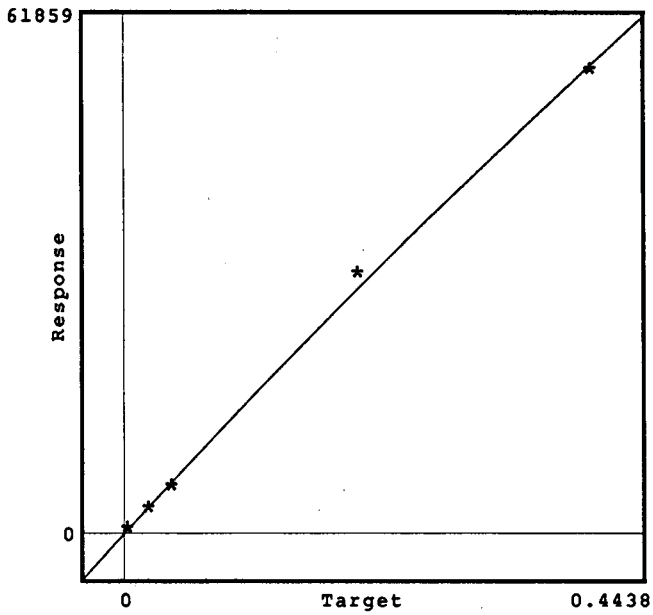
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9975610
Formula.....:
$-24556.90*X^2 + 149088.0*X + 58.33370$

RT Mean.....: 11.886
RT Std Deviation.: 0.010342

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	11.87	0.00200000	428	356.4130	-16.73	14-NOV-1997 05:05
$1660_0.10	11.90	0.0200000	2758	3030.280	9.87	14-NOV-1997 05:42
$1660_0.20	11.90	0.0400000	5382	5982.590	11.16	14-NOV-1997 06:19
$1660_1.0	11.88	0.200000	30595	28893.80	-5.56	14-NOV-1997 06:56
$1660_2.0	11.88	0.400000	55074	55764.70	1.25	14-NOV-1997 07:32

PM 1/6/98
~~0068~~
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C97C1000

Compound.....: **PCB 1016**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

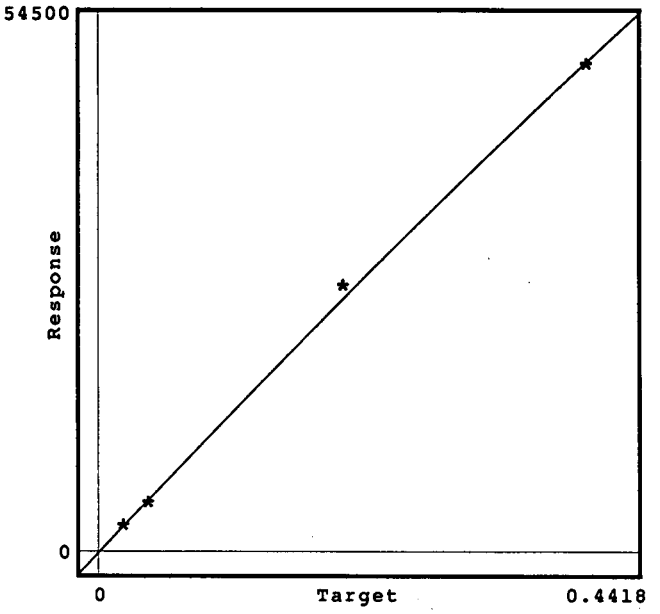
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9986900
Formula.....:
$-20101.30*X^2 + 131490.0*X + -22.88600$

RT Mean.....: 12.345
RT Std Deviation.: 0.006247

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.10	12.35	0.0200000	2439	2598.880	6.56	14-NOV-1997 05:42
$1660_0.20	12.35	0.0400000	4786	5204.570	8.75	14-NOV-1997 06:19
$1660_1.0	12.34	0.200000	26575	25471.10	-4.15	14-NOV-1997 06:56
$1660_2.0	12.34	0.400000	48900	49357.10	0.93	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

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C97C1000

Compound.....: PCB 1016
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

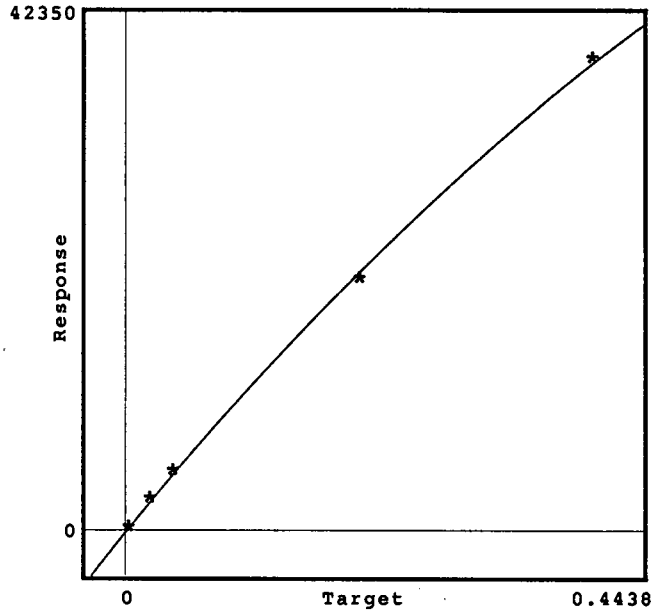
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9990770
Formula.....:
$-54653.30*X^2 + 117536.0*X + -103.9630$

RT Mean.....: 12.494
RT Std Deviation.: 0.004133

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	12.50	0.00200000	117	130.8910	11.87	14-NOV-1997 05:05
$1660_0.10	12.49	0.0200000	2475	2224.910	-10.10	14-NOV-1997 05:42
$1660_0.20	12.50	0.0400000	4710	4510.060	-4.25	14-NOV-1997 06:19
$1660_1.0	12.49	0.200000	20557	21217.20	3.21	14-NOV-1997 06:56
$1660_2.0	12.49	0.400000	38449	38166.10	-0.74	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: **PCB 1016**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

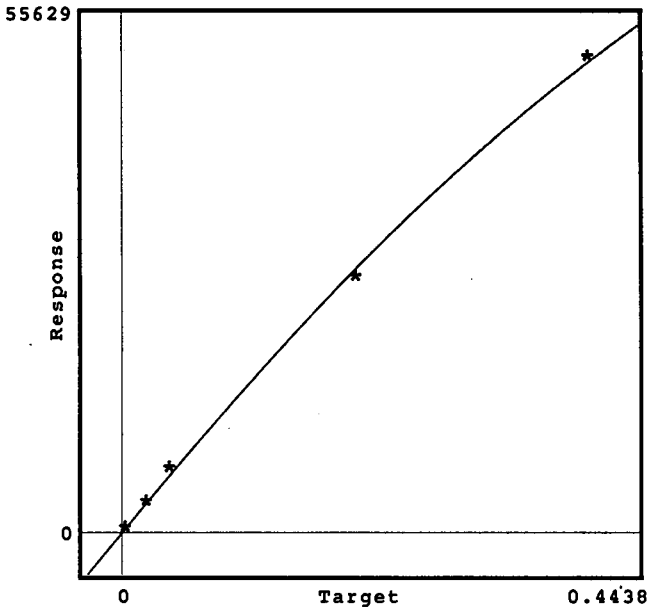
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9985420
Formula.....:
$-70086.50*X^2 + 153138.0*X + 117.3150$

RT Mean.....: 13.604
RT Std Deviation.: 0.003683

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	13.60	0.00200000	388	423.3120	9.10	14-NOV-1997 05:05
$1660_0.10	13.61	0.0200000	3217	3152.050	-2.02	14-NOV-1997 05:42
$1660_0.20	13.61	0.0400000	6816	6130.720	-10.05	14-NOV-1997 06:19
$1660_1.0	13.60	0.200000	26913	27941.60	3.82	14-NOV-1997 06:56
$1660_2.0	13.60	0.400000	50589	50158.90	-0.85	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1254
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

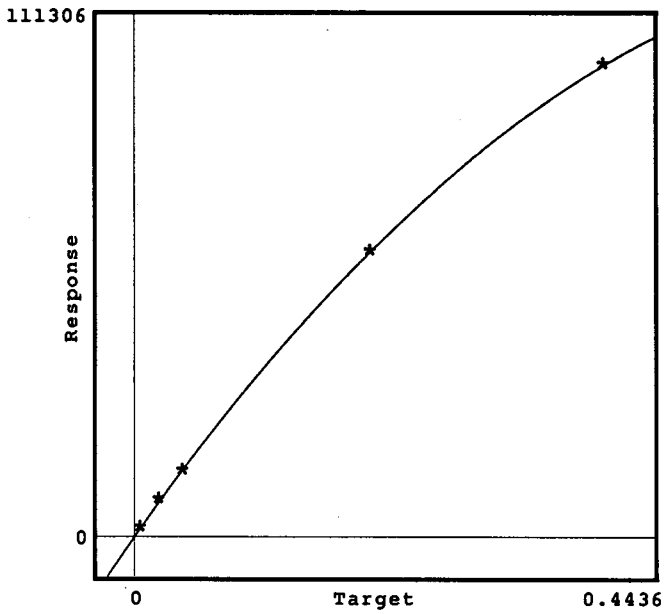
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9998520
Formula.....:
$-257763.0*X^2 + 353594.0*X + 244.9540$

RT Mean.....: 15.341
RT Std Deviation.: 0.002312

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	15.34	0.00400000	1620	1655.200	2.17	14-NOV-1997 01:25
$1254_0.10	15.34	0.0200000	7548	7213.730	-4.43	14-NOV-1997 02:02
$1254_0.20	15.34	0.0400000	13658	13976.30	2.33	14-NOV-1997 02:38
$1254_1.0	15.34	0.200000	60704	60653.20	-0.08	14-NOV-1997 03:15
$1254_2.0	15.34	0.400000	100432	100440.0	0.0084	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: **PCB 1254**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

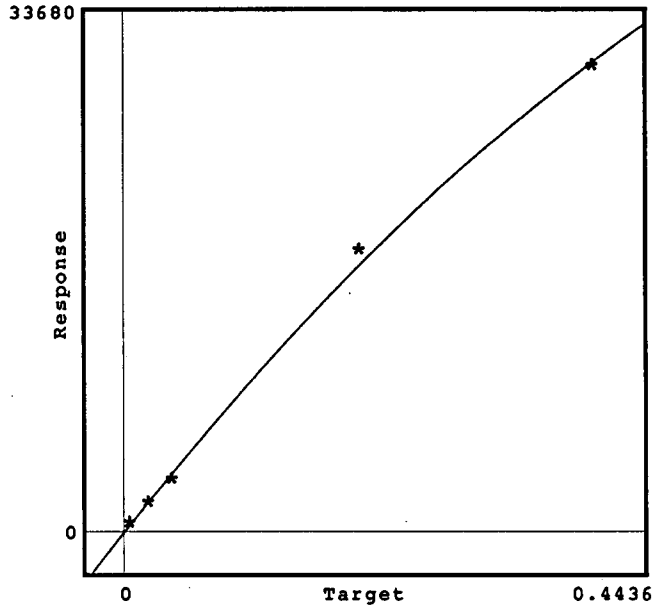
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9973050
Formula.....:
$-48690.80*X^2 + 95368.80*X + 25.75710$

RT Mean.....: 17.472
RT Std Deviation.: 0.004677

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	17.47	0.00400000	479	406.4530	-15.15	14-NOV-1997 01:25
$1254_0.10	17.46	0.0200000	1793	1913.650	6.73	14-NOV-1997 02:02
$1254_0.20	17.47	0.0400000	3347	3762.600	12.42	14-NOV-1997 02:38
$1254_1.0	17.48	0.200000	18083	17151.90	-5.15	14-NOV-1997 03:15
$1254_2.0	17.47	0.400000	30038	30382.70	1.15	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: **PCB 1254**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

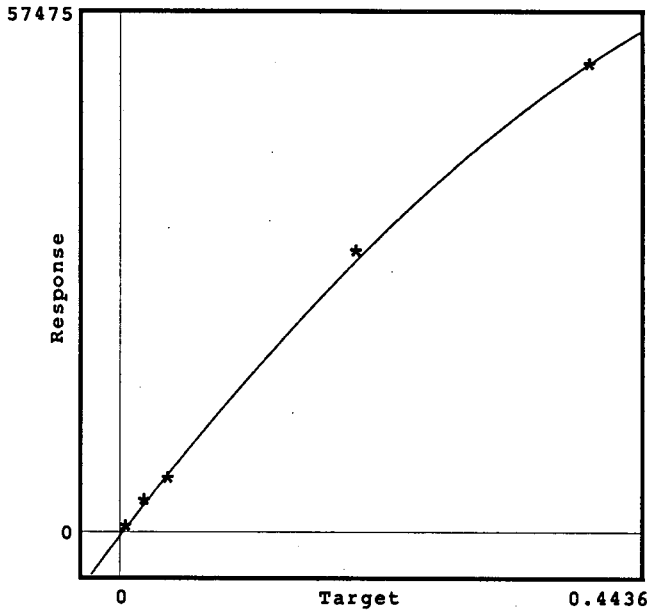
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9987700
Formula.....:
$-107515.0*X^2 + 173333.0*X + -313.9870$

RT Mean.....: 17.862
RT Std Deviation.: 0

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	17.86	0.00400000	390	377.6270	-3.17	14-NOV-1997 01:25
$1254_0.10	17.86	0.0200000	3291	3109.680	-5.51	14-NOV-1997 02:02
$1254_0.20	17.86	0.0400000	5818	6447.340	10.82	14-NOV-1997 02:38
$1254_1.0	17.86	0.200000	30893	30052.10	-2.72	14-NOV-1997 03:15
$1254_2.0	17.86	0.400000	51515	51817.00	0.59	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1254
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

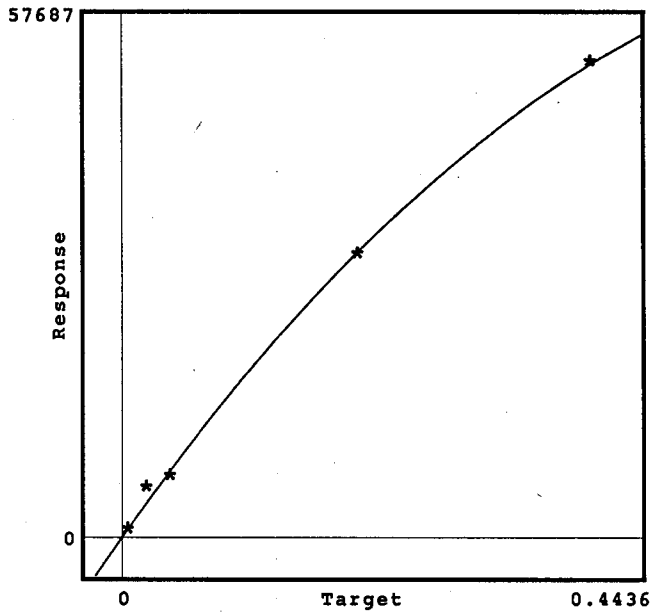
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9931770
Formula.....:
$-125010.0*X^2 + 179582.0*X + 233.4330$

RT Mean.....: 19.372
RT Std Deviation.: 0.004169

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	19.37	0.00400000	807	949.7610	17.69	14-NOV-1997 01:25
$1254_0.10	19.38	0.0200000	5316	3775.070	-28.99	14-NOV-1997 02:02
$1254_0.20	19.37	0.0400000	6526	7216.700	10.58	14-NOV-1997 02:38
$1254_1.0	19.37	0.200000	30842	31149.40	1.0	14-NOV-1997 03:15
$1254_2.0	19.37	0.400000	52213	52064.50	-0.28	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1254
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

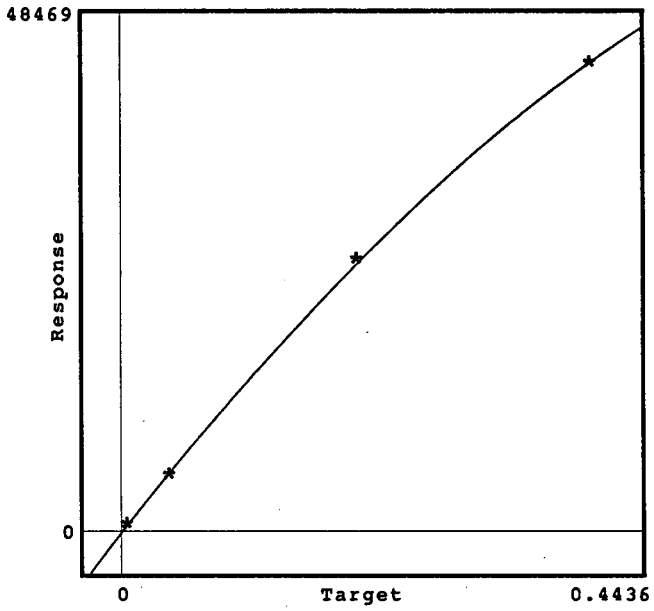
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9997540
Formula.....:
$-77069.50*X^2 + 140270.0*X + -61.74520$

RT Mean.....: 19.600
RT Std Deviation.: 0.002784

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	19.60	0.00400000	515	498.1010	-3.28	14-NOV-1997 01:25
$1254_0.20	19.60	0.0400000	5196	5425.740	4.42	14-NOV-1997 02:38
$1254_1.0	19.60	0.200000	25279	24909.40	-1.46	14-NOV-1997 03:15
$1254_2.0	19.60	0.400000	43575	43715.10	0.32	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1260
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

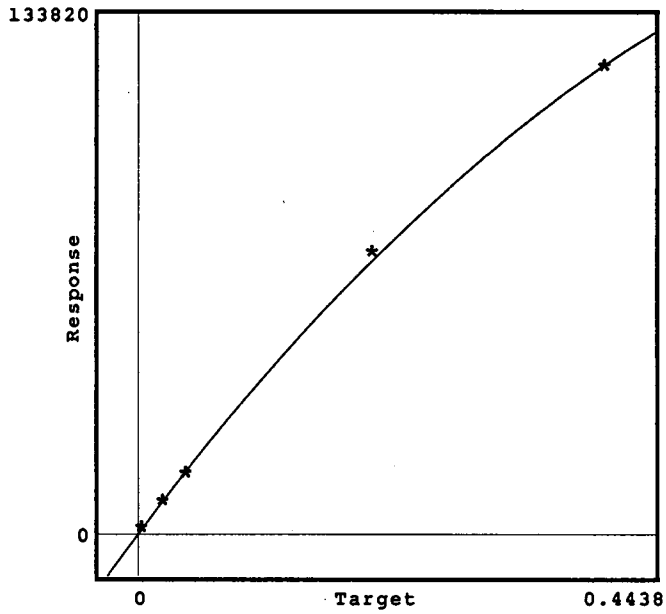
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9993090
Formula.....:
$-246047.0*X^2 + 399120.0*X + 396.7590$

RT Mean.....: 19.797
RT Std Deviation.: 0.003993

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	19.80	0.00200000	1290	1194.010	-7.44	14-NOV-1997 05:05
$1660_0.10	19.80	0.0200000	8013	8280.740	3.34	14-NOV-1997 05:42
$1660_0.20	19.80	0.0400000	15034	15967.80	6.21	14-NOV-1997 06:19
$1660_1.0	19.79	0.200000	72349	70378.90	-2.72	14-NOV-1997 06:56
$1660_2.0	19.79	0.400000	119945	120677.0	0.61	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1260
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

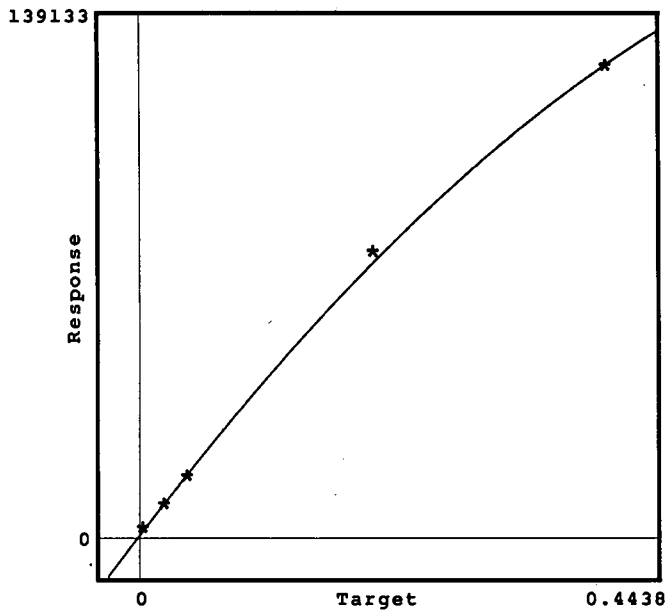
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9989760
Formula.....:
$-237004.0*X^2 + 405651.0*X + 1205.350$

RT Mean.....: 19.951
RT Std Deviation.: 0.008363

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	19.97	0.00200000	2240	2015.710	-10.01	14-NOV-1997 05:05
$1660_0.10	19.95	0.0200000	8636	9223.580	6.80	14-NOV-1997 05:42
$1660_0.20	19.95	0.0400000	16145	17052.20	5.62	14-NOV-1997 06:19
$1660_1.0	19.95	0.200000	75199	72855.50	-3.12	14-NOV-1997 06:56
$1660_2.0	19.95	0.400000	124665	125545.0	0.71	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1260
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

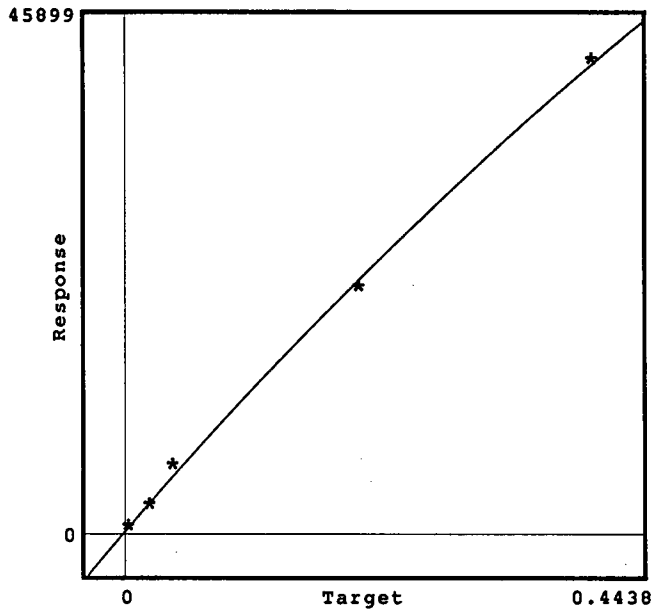
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9970370
Formula.....:
$-39143.40*X^2 + 118252.0*X + 372.8690$

RT Mean.....: 15.067
RT Std Deviation.: 0.004603

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	15.06	0.00200000	596	609.2170	2.22	14-NOV-1997 05:05
$1660_0.10	15.07	0.0200000	2476	2722.260	9.95	14-NOV-1997 05:42
$1660_0.20	15.07	0.0400000	5919	5040.330	-14.84	14-NOV-1997 06:19
$1660_1.0	15.07	0.200000	21717	22457.60	3.41	14-NOV-1997 06:56
$1660_2.0	15.07	0.400000	41715	41410.80	-0.73	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: PCB 1260
Method.....: 8080A

Date Printed.....: 2-DEC-1997 12:36

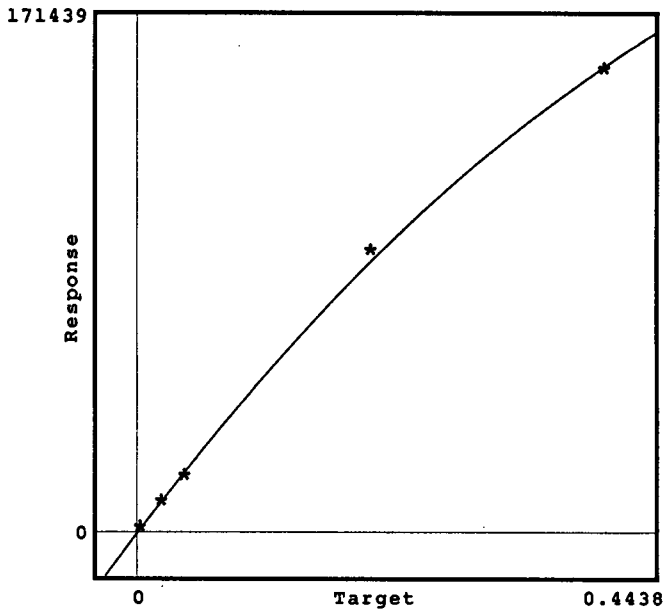
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9989000
Formula.....:
$-309128.0*X^2 + 509829.0*X + 88.10550$

RT Mean.....: 18.238
RT Std Deviation.: 0.002718

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	18.24	0.00200000	1212	1106.520	-8.70	14-NOV-1997 05:05
$1660_0.10	18.24	0.0200000	9892	10161.00	2.72	14-NOV-1997 05:42
$1660_0.20	18.24	0.0400000	18391	19986.60	8.68	14-NOV-1997 06:19
$1660_1.0	18.23	0.200000	92910	89688.80	-3.47	14-NOV-1997 06:56
$1660_2.0	18.24	0.400000	153373	154559.0	0.77	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: **PCB 1260**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

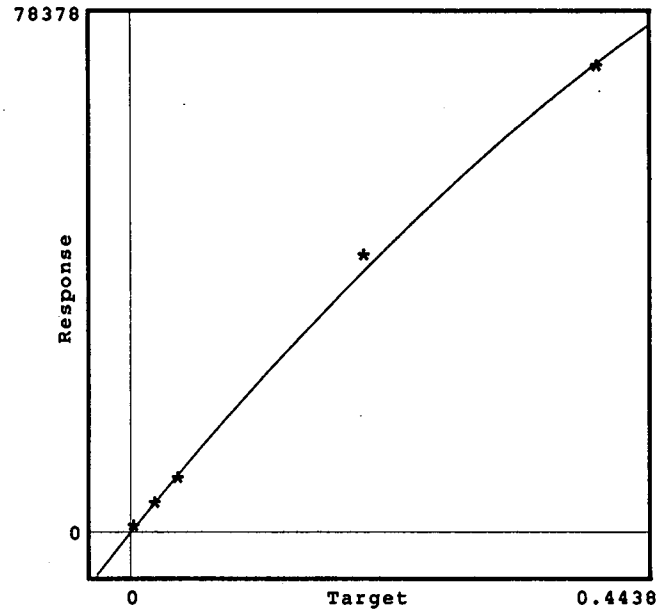
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9979390
Formula.....:
$-105525.0*X^2 + 218656.0*X + 83.82080$

RT Mean.....: 18.953
RT Std Deviation.: 0.004169

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	18.95	0.00200000	606	520.7120	-14.07	14-NOV-1997 05:05
$1660_0.10	18.96	0.0200000	4114	4414.740	7.31	14-NOV-1997 05:42
$1660_0.20	18.96	0.0400000	7833	8661.250	10.57	14-NOV-1997 06:19
$1660_1.0	18.95	0.200000	41641	39594.10	-4.92	14-NOV-1997 06:56
$1660_2.0	18.95	0.400000	69890	70662.40	1.11	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97C1000

Compound.....: **Tetrachloro-m-xylene**
Method.....: **8080A**

Date Printed.....: 2-DEC-1997 12:36

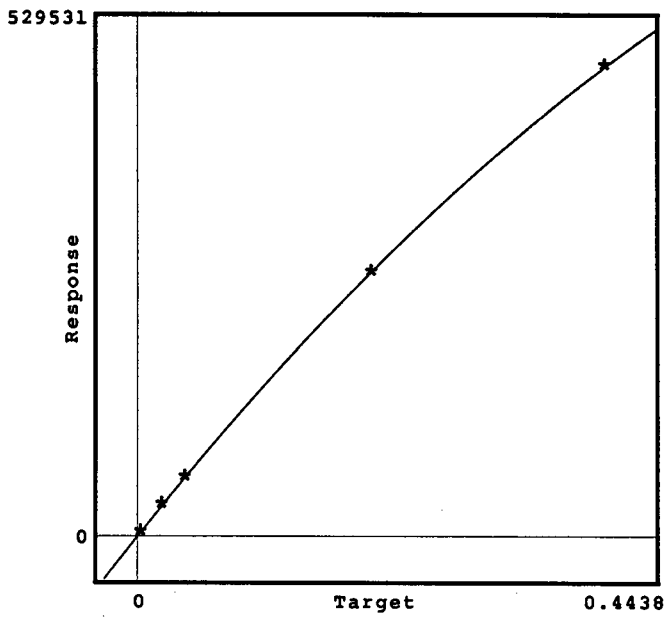
Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999550
Formula.....:
$-710705.0*X^2 + 1475350.*X + 1019.260$

RT Mean.....: 6.798
RT Std Deviation.: 0.001529

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	6.80	0.00200000	3876	3967.130	2.35	14-NOV-1997 05:05
$1660_0.10	6.80	0.0200000	31154	30242.00	-2.93	14-NOV-1997 05:42
$1660_0.20	6.80	0.0400000	58744	58896.30	0.26	14-NOV-1997 06:19
$1660_1.0	6.80	0.200000	266553	267661.0	0.42	14-NOV-1997 06:56
$1660_2.0	6.80	0.400000	477923	477448.0	-0.1	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
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FORM N1
INITIAL CALIBRATION VERIFICATION

R97C1000

Sample Name.....: ICV1254_1.0
Acquisition Date.: 14-NOV-1997 04:29

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1254	15.34	15.29	15.39		0.200000	0.163266	-18	25	
PCB 1254	17.48	17.43	17.53		0.200000	0.198435	-1	25	
PCB 1254	17.86	17.81	17.91		0.200000	0.217800	9	25	
PCB 1254	19.37	19.32	19.42		0.200000	0.197042	-1	25	
PCB 1254	19.60	19.55	19.65		0.200000	0.225992	13	25	

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N1
INITIAL CALIBRATION VERIFICATION

R97C1000

Sample Name.....: ICV_1660_1.0
Acquisition Date.: 14-NOV-1997 08:09

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1016	11.33	11.29	11.39		0.200000	0.236117	18	25	
PCB 1016	11.88	11.84	11.94		0.200000	0.242775	21	25	
PCB 1016	12.34	12.29	12.39		0.200000	0.223768	12	25	
PCB 1016	12.49	12.45	12.55		0.200000	0.199997	0	25	
PCB 1016	13.60	13.56	13.66		0.200000	0.206751	3	25	
PCB 1260	15.06	15.02	15.12		0.200000	0.155937	-22	25	
PCB 1260	18.23	18.19	18.29		0.200000	0.212995	6	25	
PCB 1260	18.95	18.91	19.01		0.200000	0.201763	1	25	
PCB 1260	19.79	19.75	19.85		0.200000	0.205445	3	25	
PCB 1260	19.95	19.90	20.00		0.200000	0.253200	27	25	*

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 20-NOV-1997 22:12

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.239104	20	15	*
PCB 1016	11.35	11.29	11.39		0.200000	0.252403	26	15	*
PCB 1016	11.90	11.84	11.94		0.200000	0.273285	37	15	*
PCB 1016	12.35	12.29	12.39		0.200000	0.276878	38	15	*
PCB 1016	12.50	12.45	12.55		0.200000	0.286810	43	15	*
PCB 1016	13.61	13.56	13.66		0.200000	0.167263	-16	15	*
PCB 1260	15.07	15.02	15.12		0.200000	0.262757	31	15	*
PCB 1260	18.25	18.19	18.29		0.200000	0.198503	-1	15	
PCB 1260	18.96	18.91	19.01		0.200000	0.232192	16	15	*
PCB 1260	19.80	19.75	19.85		0.200000	0.238074	19	15	*
PCB 1260	19.95	19.90	20.00		0.200000	0.205150	3	15	
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.270797	35	15	*

* Failed acceptance criteria.

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A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 21-NOV-1997 04:56

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.242345	21	15	*
PCB 1016	11.35	11.29	11.39		0.200000	0.245818	23	15	*
PCB 1016	11.90	11.84	11.94		0.200000	0.224644	12	15	
PCB 1016	12.35	12.29	12.39		0.200000	0.243523	22	15	*
PCB 1016	12.49	12.45	12.55		0.200000	0.268947	34	15	*
PCB 1016	13.61	13.56	13.66		0.200000	0.326195	63	15	*
PCB 1260	15.07	15.02	15.12		0.200000	0.338182	69	15	*
PCB 1260	18.25	18.19	18.29		0.200000	0.182802	-9	15	
PCB 1260	18.96	18.91	19.01		0.200000	0.219879	10	15	
PCB 1260	19.80	19.75	19.85		0.200000	0.236844	18	15	*
PCB 1260	19.95	19.90	20.00		0.200000	0.205961	3	15	
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.282252	41	15	*

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
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FORM N2
CONTINUING CALIBRATION VERIFICATION

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 21-NOV-1997 11:40

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.175829	-12	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.198894	-1	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.233590	17	15	*
PCB 1016	12.36	12.29	12.39		0.200000	0.247445	24	15	*
PCB 1016	12.50	12.45	12.55		0.200000	0.279845	40	15	*
PCB 1016	13.61	13.56	13.66		0.200000	0.260501	30	15	*
PCB 1260	15.07	15.02	15.12		0.200000	0.279391	40	15	*
PCB 1260	18.25	18.19	18.29		0.200000	0.161369	-19	15	*
PCB 1260	18.96	18.91	19.01		0.200000	0.191614	-4	15	
PCB 1260	19.80	19.75	19.85		0.200000	0.192008	-4	15	
PCB 1260	19.95	19.90	20.00		0.200000	0.166221	-17	15	*
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.213942	7	15	

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 21-NOV-1997 18:24

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.189689	-5	15	
PCB 1016	11.34	11.29	11.39		0.200000	0.200924	0	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.218631	9	15	
PCB 1016	12.35	12.29	12.39		0.200000	0.221712	11	15	
PCB 1016	12.50	12.45	12.55		0.200000	0.222197	11	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.197760	-1	15	
PCB 1260	15.07	15.02	15.12		0.200000	0.163227	-18	15	*
PCB 1260	18.25	18.19	18.29		0.200000	0.120073	-40	15	*
PCB 1260	18.96	18.91	19.01		0.200000	0.127692	-36	15	*
PCB 1260	19.80	19.75	19.85		0.200000	0.134962	-33	15	*
PCB 1260	19.96	19.90	20.00		0.200000	0.110127	-45	15	*
Dibutylchlorendate	22.01	21.96	22.06		0.200000	0.171859	-14	15	

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12029712360074

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 22-NOV-1997 01:08

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.205997	3	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.210938	5	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.197166	-1	15	
PCB 1016	12.36	12.29	12.39		0.200000	0.203751	2	15	
PCB 1016	12.50	12.45	12.55		0.200000	0.205702	3	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.130883	-35	15	*
PCB 1260	15.08	15.02	15.12		0.200000	0.195499	-2	15	
PCB 1260	18.26	18.19	18.29		0.200000	0.135516	-32	15	*
PCB 1260	18.97	18.91	19.01		0.200000	0.143224	-28	15	*
PCB 1260	19.81	19.75	19.85		0.200000	0.155291	-22	15	*
PCB 1260	19.96	19.90	20.00		0.200000	0.129005	-35	15	*
Dibutylchlorendate	22.01	21.96	22.06		0.200000	0.199137	0	15	

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

R97C1000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 22-NOV-1997 05:25

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R97C1000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.206671	3	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.215444	8	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.202185	1	15	
PCB 1016	12.35	12.29	12.39		0.200000	0.211978	6	15	
PCB 1016	12.50	12.45	12.55		0.200000	0.219071	10	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.259987	30	15	*
PCB 1260	15.08	15.02	15.12		0.200000	0.261406	31	15	*
PCB 1260	18.26	18.19	18.29		0.200000	0.133788	-33	15	*
PCB 1260	18.97	18.91	19.01		0.200000	0.150840	-25	15	*
PCB 1260	19.81	19.75	19.85		0.200000	0.164428	-18	15	*
PCB 1260	19.96	19.90	20.00		0.200000	0.136424	-32	15	*
Dibutylchlorendate	22.01	21.96	22.06		0.200000	0.200014	0	15	

* Failed acceptance criteria.

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Sample Tracking Documentation
Inventory Checklist

- [X] LIMS Grouping Reports
- [X] DataChem Laboratories (DCL) Chain-of-Custody Record
- [X] DCL Sample Work Order
- [NA] Copy of numbered Nonconformance/Corrective Action Report (NC/CAR)
- [NA] Copy of Client-Related Problem Report (CPR)

Sample Tracking Documentation
Reviewer Checklist

- X The Sample Tracking Documentation Inventory Checklist above is complete.
- X DCL Chain-of-Custody Record provides signatures for the sample portion reported in this data package.
- X DCL Chain-of-Custody Record was completed in accordance with procedures in DCL SOP XX-DC-006 "Chain-of-Custody and Laboratory Tracking."
- X Methods specified on the Sample Work Order were performed or an explanation for deviations is provided.
- X Special instructions on the Sample Work Order were followed.
- X Project Management instructions on the Project Protocol Worksheet were followed.
- X Client's requests were met or an explanation is provided in the Case Narrative.
- NA NC/CAR and/or CPR were completed in accordance with procedures in DCL SOP QC-DC-006 "Nonconformance/Corrective Action Report (NC/CAR) Procedures."

Assembled by: [signature] 12/1/97 Reviewed by: [signature] 1/2/98 0091

Signature Date Signature Date

Rev. 3/95

DataChem Laboratories
LIMS - Sample Master System
Preparation Group Report

Date: 12-NOV-1997 13:33
User: CORUM

RLIMS15-V1.2

Preparation Run Name: G97BC014

Group ID: G97BC014

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142138-1	BL-142138-1		S97BC01Z	97C-0437-01	03008
2	QC-142138-1	QC-142138-1		S97BC020	97C-0437-01	03008
3	97C05209	XXXNS1		S97B70HW	97C-0437-01	03008
4	97C05209MS	XXXNS1		S97B70HX	97C-0437-01	03008
5	97C05209MSD	XXXNS1		S97B70HY	97C-0437-01	03008
6	97C05210	XXXSS2		S97B70HZ	97C-0437-01	03008
7	97C05211	XXXSS1		S97B70J0	97C-0437-01	03008
8	97C05212	XXXSD2		S97B70J1	97C-0437-01	03008
9	97C05213	YYYSED(S)		S97B70J2	97C-0437-01	03008
10	97C05214	YYYSS1		S97B70J3	97C-0437-01	03008
11	97C05215	YYYSD1		S97B70J4	97C-0437-01	03008
12	97C05216	YYYND1		S97B70J5	97C-0437-01	03008
13	97C05217	YYYNS2		S97B70J6	97C-0437-01	03008
14	97C05218	YYYSS2		S97B70J7	97C-0437-01	03008
15	97C05219	YYYNS1		S97B70J8	97C-0437-01	03008
16	97C05220	YYYND2		S97B70J9	97C-0437-01	03008
17	97C05221	YYYSED(D)		S97B70JB	97C-0437-01	03008
18	97C05222	YYYSD2		S97B70JC	97C-0437-01	03008
19	97C05223	ZZZSD2		S97B70JD	97C-0437-01	03008
20	97C05224	ZZZND2		S97B70JF	97C-0437-01	03008
21	97C05225	ZZZNS3		S97B70JG	97C-0437-01	03008
22	97C05226	ZZZSS2		S97B70JH	97C-0437-01	03008
23	97C05227	ZZZSED(S)		S97B70JJ	97C-0437-01	03008
24	97C05228	ZZZNS2		S97B70JK	97C-0437-01	03008

----- END OF LISTING -----

DataChem Laboratories
LIMS - Sample Master System
Analysis Group Report

Date: 1-DEC-1997 16:46
User: TAYLORC

RLIMS15-V1.2

Analysis Run Name: G97C002Q

Group ID: G97C002Q

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142138-1	BL-142138-1		S97BC01Z	97C-0437-01	03008
2	QC-142138-1	QC-142138-1		S97BC020	97C-0437-01	03008
3	97C05209	XXXNS1		S97B70HW	97C-0437-01	03008
4	97C05209MS	XXXNS1		S97B70HX	97C-0437-01	03008
5	97C05209MSD	XXXNS1		S97B70HY	97C-0437-01	03008
6	97C05210	XXXSS2		S97B70HZ	97C-0437-01	03008
7	97C05211	XXXSS1		S97B70J0	97C-0437-01	03008
8	97C05212	XXXSD2		S97B70J1	97C-0437-01	03008
9	97C05213	YYYSED(S)		S97B70J2	97C-0437-01	03008
10	97C05214	YYYSS1		S97B70J3	97C-0437-01	03008
11	97C05215	YYYSD1		S97B70J4	97C-0437-01	03008
12	97C05216	YYYND1		S97B70J5	97C-0437-01	03008
13	97C05217	YYYNS2		S97B70J6	97C-0437-01	03008
14	97C05218	YYYSS2		S97B70J7	97C-0437-01	03008
15	97C05219	YYYNS1		S97B70J8	97C-0437-01	03008
16	97C05220	YYYND2		S97B70J9	97C-0437-01	03008
17	97C05221	YYYSED(D)		S97B70JB	97C-0437-01	03008
18	97C05222	YYYSD2		S97B70JC	97C-0437-01	03008
19	97C05223	ZZZSD2		S97B70JD	97C-0437-01	03008
20	97C05224	ZZZND2		S97B70JF	97C-0437-01	03008
21	97C05225	ZZZNS3		S97B70JG	97C-0437-01	03008
22	97C05226	ZZZSS2		S97B70JH	97C-0437-01	03008
23	97C05227	ZZZSED(S)		S97B70JJ	97C-0437-01	03008
24	97C05228	ZZZNS2		S97B70JK	97C-0437-01	03008

----- END OF LISTING -----

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | Split: | Root Set ID: 97C-0437 * | Reporting Group

Client: Roy F. Weston | Account: 03008

Comments:

Verified: [illegible] 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2					Analysis	01 PCBs	02 Solids (Decanted)	03 Solids (Total)							# Bottles
6-Nov-1997	XXXNS1	97C05209			SOIL							X	X	X							1
6-Nov-1997	XXXNS1	97C05209MS		MS	SOIL							X									1
6-Nov-1997	XXXNS1	97C05209MSD		MSD	SOIL							X									1
6-Nov-1997	XXXSS2	97C05210			SOIL							X	X	X							1
6-Nov-1997	XXXSS1	97C05211			SOIL							X	X	X							1
6-Nov-1997	XXXSD2	97C05212			SOIL							X	X	X							1
6-Nov-1997	YYYSED(S)	97C05213			SOIL							X	X	X							1
6-Nov-1997	YYYSS1	97C05214			SOIL							X	X	X							1
6-Nov-1997	YYYSD1	97C05215			SOIL							X	X	X							1
6-Nov-1997	YYYND1	97C05216			SOIL							X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/Room/Shelf/Fridge [illegible]	11-10-97 1230	R23-1 [illegible]	Labeling/Shelving CPZ
R:23-1 [illegible]	11-13-97 0015	Walk-in/ Room/Shelf/ Fridge Kevin Nottemeyer	Storage: Ext
Kevin Nottemeyer	1615 11-13-97	[illegible]	Extraction
[illegible]	11-13-97		

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: [illegible] Soil | Lab Notebook No.: 194/173

Prepared/Analyzed by: [illegible] | Date/Time: 11-13-97 0900 [illegible]

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
[illegible]	11-13-97 1900	[illegible]	Conc.
[illegible]	11-13-97 2400	St. R-16-1C	R-16-1C
R-16-C [illegible]	11-20-97 2100	[illegible]	8080A Analysis R-72-1

Check box if there is a continuation page ☐

Form [illegible] SWV2.30

Printed 11/8/1997 14:31

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | *Split:* | **Root Set ID:** 97C-0437 * | **Reporting Group**

Client: Roy F. Weston | **Account:** 03008

Comments:

Verified: 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2			Analysis		01 PCBs	02 Solids (Decant-ed)	03 Solids (Total)							# Bottles
6-Nov-1997	YYYNS2	97C05217			SOIL						X	X	X							1
6-Nov-1997	YYYSS2	97C05218			SOIL						X	X	X							1
6-Nov-1997	YYYNS1	97C05219			SOIL						X	X	X							1
6-Nov-1997	YYYSD2	97C05220			SOIL						X	X	X							1
6-Nov-1997	YYYSED(D)	97C05221			SOIL						X	X	X							1
6-Nov-1997	YYYSD2	97C05222			SOIL						X	X	X							1
6-Nov-1997	ZZZSD2	97C05223			SOIL						X	X	X							1
6-Nov-1997	ZZZND2	97C05224			SOIL						X	X	X							1
6-Nov-1997	ZZZNS3	97C05225			SOIL						X	X	X							1
6-Nov-1997	ZZZSS2	97C05226			SOIL						X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge	11-10-97 1230	R23-1	Labeling/Shelving CP2
R-23-1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge	Storage: EX7
	1615 11-13-97		Extraction

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: PCB Soil | Lab Notebook No.: 194/73

Prepared/Analyzed by: | Date/Time: 11-13-97 0900

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
	11-13-97 1900		LOKC
	11-13-97 2400	R-16-1C	R-16-1C
R-16-1C	11-20-97 2100		8080A Analysis R-72-1

Check box if there is a continuation page ☐

Printed 11/8/1997 14:31

Form: COFC1.21-SWV2.30

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | *Split:* | **Root Set ID:** 97C-0437 * | **Reporting Group**

Client: Roy F. Weston | **Account:** 03008

Comments:

Verified: PL 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2	Analysis	01 PCBs	02 Solids (Decanted)	03 Solids (Total)	# Bottles
6-Nov-1997	ZZZSED(S)	97C05227			SOIL			X	X	X	1
6-Nov-1997	ZZZNS2	97C05228			SOIL			X	X	X	1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge Michael [illegible]	11-10-97 1230	R23-1 [illegible]	Labeling/Shelving CP2
R-23-1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge Kevin Nottemeyer	Storage: EX7
Kevin Nottemeyer	11-13-97 1615	Stephen R Black	Extraction

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: Pcb Soil | Lab Notebook No.: 194/73

Prepared/Analyzed by: Stephen R Black | Date/Time: 11-13-97 0900

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Stephen R Black	11-13-97 1900	Ronald [illegible]	CRC
Ronald [illegible]	11-13-97 24cu	St R-16-1C	R-16-1C
R-16-1C	11-20-97 2100	[illegible]	8082A Analysis R-72-1

Check box if there is a continuation page ☐

Printed 11/8/1997 14:31

Form: CoFC 11 SWV2.31

Sample Work Order

QC Clearance: _____

Project Manager: Scott B. Saulls

Client: Roy F. Weston

Account: 03008 **SDG:** XXXNS1

Project/Task: P97B5002

Date Received: 7-Nov-1997

Date for Mailing Report: 26-Nov-1997

Date for Verbal Report: 21-Nov-1997

DCL Root Set ID: 97C-0437*

DCL Lab. Name: 97C05209–97C05228

Total # Samples: 22

Sample Entry: Michael D McMillan

Section: ZC

Earliest Sampling Date: 6-Nov-1997

Preparation Type:

Rep. Group	ZC Section Analytes Requested	Latest Prep. Date	Latest Anal. Date	No. of Samp.	Storage Location	Analysis/Prep. Method	Inst.	Matrix
01	PCBs	13-Nov-1997[c]	Prep+40 d	22		8080A/3550A	GC/ECD	SOIL

[c]Based on date of collection

Special Instructions: _____

Section Manager: Richard W. Wade

Other Sections Receiving Sample Portions: FC, FS

0097

DATA CHEM LABORATORIES
A SORENSON COMPANY

Analytical Documentation
Inventory Checklist

- [NA] This is a "dummy datapackage". Data for inventory checklist found with set _____
- [NA] Copy of TCLP Preparation Logbook Pages
- [X] Copy of Sample Preparation Notebook/Logbook Pages
- [X] Copy of Analyst's Notebook/Method Logbook Pages
- [X] Copy of Instrument Injection Logbook/Instrument Logbook/Run Log Pages
- [NA] Copy of Reagent Logbook Pages
- [X] Copy of Working Standard Preparation Logbook Pages
- [X] Copy of Secondary or Intermediate Standard Preparation Logbook Pages
- [X] Copy of Primary Standard or Concentrated Stock Standard Preparation Logbook Pages
- [X] Certificates of Analysis for Standards
- [NA] Copy of Standard Verification Logbook Pages (including documentation for spiking solutions and/or calibration standards)
- [NA] Copy of Preparation Logbooks for solutions prepared by QC

All other miscellaneous documentation associated with this set (describe)

- [X] % SOLIDS + uncorrected PCBs

Analytical Documentation
Reviewer Checklist

- [X] The Analytical Documentation Inventory Checklist above is complete.
- [X] Basic documentation procedures were followed in accordance with DCL SOP XX-DC-004 "Analytical Data Record Keeping."
- [X] All notebook and logbook pages contain page number, book number, title, and available space for pagination (if required).
- [X] All notebook and logbook pages were signed and dated by the analyst and reviewer before copying.
- [X] All copies are legible.
- [X] Standard preparation is documented in accordance with DCL SOP XX-DC-019 "Standards Purity, Preparation, Traceability and Verification" or by WR-DC-001 "The Acquisition, Preparation, and use of Radioactive Standard Reference Materials."
- [X] Documentation is provided to verify that standard calibration solutions and spiking solutions are traceable to a vendor certificate.

0098

Assembled by: [signature] 12/1/97 (Signature, Date) Reviewed by: [signature] 1/8/98 (Signature, Date)

Rev. 6/95

Date Set Extracted:
Account No.: 3008
DCL Set No.: 97C-0437-01
Group ID/Lot: G 97BC014

DATACHEM LABORATORIES EXTRACTION NOTEBOOK

Book No. EXT 194 Page No. 073
Sample Medium: Soil
Extraction Method: 3550 PCB

	DCL No.	Field No.	Sample Vol./Wt. (mL/g)	pH Original	pH Adjusted	pH Adjusted	Spike Sol'n (mL) Surrogate Std.	Spike Sol'n (mL) Matrix	Spike Sol'n (mL) Matrix	Appearance and Observations	Final Volume (mL)
1	BL-142138-1	BL-142138-1	30±.04g				1.0mL	NA	NA	N/A	10 ml
2	QC-142138-1	QC 142138-1						1.0mL			
3	97C05209	XXXNS1						NA			
4	97C05209MS	XXXNS1MS						1.0mL			
5	97C05209MSD	XXXNS1MSD						1.0mL			
6	97C05210	XXXSS2						NA			
7	97C05211	XXXSS1									
8	97C05212	XXX SD2									
9	97C05213	YYYSED(S)									
10	97C05214	YYYSS1									
11	97C05215	YYYSD1			NA						
12	97C05216	YYYND1									
13	97C05217	YYYNS2									
14	97C05218	YYY~~N~~SS2 SB 11-12-97									
15	97C05219	YYYNS1									
16	97C05220	YYYND2									
17	97C05221	YYYSED(D)									
18	97C05222	YYY SD2									
19	97C05223	ZZZ SD2									
20	97C05224	ZZZ ND2									
21	97C05225	ZZZ NS3									
22	97C05226	ZZZSS2									
23	97C05227	ZZZSED(S)									
24	97C05228	ZZZ NS2									
25			SB				SB	SB	SB	[illegible]	[illegible]

Solvents (+Lot #): GC CH_2Cl_2, LOT: B0090
Acetone / LOT: 967647
HEXANE, LOT: B0207

Balance ID: 38 110013

Surrogate Std. Ref. No.: 157WS31221 Spiked by: SB
Matrix Spike No.: 138WS27535 Spiked by: SB
Matrix Spike No.: NA Spiked by: NA
Extractionist: [signature] Date: 11-13-97
Checker: [signature] Date: 11-13-97

Sonicator Tuned by: Date:
Comments: SONICATION: SB

NCR or CPR

0099

TITLE Roy F. Weston SDG # XXXNS1

Project No. 03008
Book No. 3161

DATA CHEM LABORATORIES

Date: 1-DEC-1997 16:46
User: TAYLORC

Page: 1
RLIHS15-V1.2

Analysis Run Name: G97C002Q

Group ID: G97C002Q

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142138-1	BL-142138-1		S97BC01Z	97C-0437-01	03008
2	QC-142138-1	QC-142138-1		S97BC02Q	97C-0437-01	03008
3	97C05209	XXXNS1		S97B70HW	97C-0437-01	03008
4	97C05209MS	XXXNS1		S97B70HX	97C-0437-01	03008
5	97C05209MSD	XXXNS1		S97B70HY	97C-0437-01	03008
6	97C05210	XXXSS2		S97B70HZ	97C-0437-01	03008
7	97C05211	XXXSS1		S97B70J0	97C-0437-01	03008
8	97C05212	XXXSD2		S97B70J1	97C-0437-01	03008
9	97C05213	YYYSED(S)		S97B70J2	97C-0437-01	03008
10	97C05214	YYYSS1		S97B70J3	97C-0437-01	03008
11	97C05215	YYYSD1		S97B70J4	97C-0437-01	03008
12	97C05216	YYYND1		S97B70J5	97C-0437-01	03008
13	97C05217	YYYNS2		S97B70J6	97C-0437-01	03008
14	97C05218	YYYSS2		S97B70J7	97C-0437-01	03008
15	97C05219	YYYNS1		S97B70J8	97C-0437-01	03008
16	97C05220	YYYND2		S97B70J9	97C-0437-01	03008
17	97C05221	YYYSED(D)		S97B70JB	97C-0437-01	03008
18	97C05222	YYYSD2		S97B70JC	97C-0437-01	03008
19	97C05223	ZZZSD2		S97B70JD	97C-0437-01	03008
20	97C05224	ZZZND2		S97B70JF	97C-0437-01	03008
21	97C05225	ZZZNS3		S97B70JG	97C-0437-01	03008
22	97C05226	ZZZSS2		S97B70JH	97C-0437-01	03008
23	97C05227	ZZZSED(S)		S97B70JJ	97C-0437-01	03008
24	97C05228	ZZZNS2		S97B70JK	97C-0437-01	03008

1/2/98

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: QC-142138-1
Date Printed.....: 03-DEC-97 16:52

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
[X] Primary
[ ] Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analysed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	20-NOV-97 23:23	167.	134.	80.2	53.1/140.	
PCB 1260	20-NOV-97 23:23	167.	125.	74.8	48.0/151.	

1/2/98

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: 97C05209MS
Date Printed.....: 03-DEC-97 16:52

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
[X] Primary
[ ] Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analysed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PCB 1016	21-NOV-97 00:39	1180	1310	167.	79.8	44.0/140.	
PCB 1260	21-NOV-97 00:39	8180	7790	167.	-233.	48.1/146.	*

S97B70HY

DCL Sample Name...: 97C05209MSD

Analytical Results

Analyte	Date Analysed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	21-NOV-97 01:16	1400	134.	1350	91.0	6.7	0.00/13.6	
PCB 1260	21-NOV-97 01:16	7980	-121.	7880	187.	2.4	0.00/45.9	

1/2/98

Client Name.....: Roy F. Weston
Release Number.....: XXXNS1

Matrix.....: SOIL
Reporting Units.....: ug/Kg

DCL Analysis Group: G97C002Q
Analysis Method...: OP-SW-8080

DCL Prep Group....: G97BC014
Preparation Method: 3550A

QC Limit Type.....: Performance

Surrogate Recoveries

Surr. ID	Tetrachloro-m-xylene				Dibutylchlorendate							
QC Limits	38.4/156.				37.0/147.							
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05209	15.1	16.7	90.6									
97C05209MS	14.7	16.7	88.4									
97C05209MSD	15.5	16.7	93.2									
97C05210	18.5	16.7	111.									
97C05211	15.2	16.7	91.4									
97C05212	15.6	16.7	93.8									
97C05213	15.3	16.7	91.6		10.2	16.7	60.9					
97C05214	15.4	16.7	92.5									
97C05215	14.1	16.7	84.7									
97C05216	15.9	16.7	95.2									
97C05217	15.1	16.7	90.6									
97C05218	15.1	16.7	90.8									
97C05219	15.6	16.7	93.5									
97C05220	16.9	16.7	102.		14.3	16.7	85.8					
97C05221	15.1	16.7	90.4		12.2	16.7	73.3					
97C05222	16.2	16.7	97.0									
97C05223	14.1	16.7	84.7									
97C05224	14.1	16.7	84.3		9.14	16.7	54.8					
97C05225	15.9	16.7	95.4		13.6	16.7	81.8					
97C05226	15.0	16.7	90.1									
97C05227	15.0	16.7	89.8		11.9	16.7	71.2					
97C05228	10.3	16.7	61.6		5.28	16.7	31.7	*				
BL-142138-1	13.7	16.7	81.9		15.9	16.7	95.6					
QC-142138-1	14.3	16.7	86.0		17.9	16.7	107.					

1/2/98

method: 8080A analytes: PCBs analysis date 11/20-21/97
matrix: soil aliquot: 0.030kg extraction method: 3550C
date extracted: 11/13/97

instrument: (GC/ECD-6) HP5890 GC w/ DB-608 column (30m x 0.53 mm id x 0.50 µm) & ECD (ch 56).

oven program: 150C x 2min; ramp @ 5C/min to 275C; hold 7 min

standards: All calibration curves meet method specifications. All ICV recoveries are within ±25%. CCV recoveries were poor. Samples were not reanalyzed because extraction hold times had expired & extracts were not located until the analysis hold time was exceeded.

CCV recoveries were outside of the ±15% limits for the following:

CCV#1 CL4XYL +20% DBUCLE +35%
PCB-1016 +26%
CCV#2 CL4XYL +21 DBUCLE +41%
PCB-1016 +31% PCB-1260 +18%
CCV#3 PCB-1016 +22%
CCV #4 PCB-1260 -34%
CCV #5 ~~PCB-1016 -3~~ PCB-1260 -24%
CCV#6 PCB-1260 -15%

Samples: All QC & tetrachloro-m-xylene surrogate recoveries are in control. All surrogate recoveries are from sample analyses bracketed by in control CCVs. All surrogates recoveries are from undiluted sample analyses. PCBs are reported from undiluted sample analyses for the method blank, QC and field samples 97C05221, 5224, 5227 & 5228. All other PCB results are from 1:100 dilutions.

0100

cal/run id's: C1R97 C1 8080

To Page No.

Witnessed & Understood by me, Vicki Tsai

Date 1/5/98

Invented by NOT APPLICABLE

Date

Recorded By

CCV4 PCB 1260; 1 -18
2 -40
3 -36
4 -33
5 -45 } -34.4

97C05221

CCV5 PCB-1016; 5 -35 $\bar{x}$ = -5.2

PCB 1260; 2 -32
3 -28
4 -22
5 -35 } -23.8

97C05224, 27, 28

CCV6 PCB 1016; 5 +30 $\bar{x}$ = +11

PCB 1260; 1 +31
2 -33
3 -25
4 -18
5 -32 } $\bar{x}$ = -15.4

all samples analyzed at 1:100 dilutions except:

BL, QC, 97C05221, 24, 27, 28

& all surrogates

DB-608 OK

ICV PCB 1260; 5 +27 $\bar{x}$ = +5

CCV#1 CL4XYL +20
DBUCLE +35

PCB-1016; 1 +26
2 +37
3 +38
4 +43
5 -16 } +25.6

PCB-1260; 1 ~~+69~~ +31
3 +16
4 ~~+18~~ +11 } $\bar{x}$ = ~~+18.2~~ +13.6

BL, QC

1:100 for (5209, MS, MSD, 5210, 5211, 12, 13, 14)

CCV#2 CL4XYL +21
DBUCLE +41

PCB-1016; 1 +23
3 +22
4 +34
5 +63 } +30.8

PCB-1260; 1 +69
4 +18 } +18.2

1:100 for 5215, 16, 17, 18, 19, 20, 22, 23

CCV#3 PCB-1016; 2 +17
3 +24
4 +40
5 +30 } +22

PCB-1260; 1 +40
2 -19
3 -17 } -0.8

1:100 for 5225, 26

* all surrogate recoveries are bracketed by IN control CCVs.

Sample Name	Dilution	Date Acquired
PRIME	1	13-NOV-1997 22:22
PCB221_2.0	1	13-NOV-1997 22:58
PCB232_2.0	1	13-NOV-1997 23:35
PCB242_2.0	1	14-NOV-1997 00:12
PCB248_2.0	1	14-NOV-1997 00:49
$1254_0.02	1	14-NOV-1997 01:25
$1254_0.10	1	14-NOV-1997 02:02
$1254_0.20	1	14-NOV-1997 02:38
$1254_1.0	1	14-NOV-1997 03:15
$1254_2.0	1	14-NOV-1997 03:52
ICV1254_1.0	1	14-NOV-1997 04:29
$1660_0.01	1	14-NOV-1997 05:05
$1660_0.10	1	14-NOV-1997 05:42
$1660_0.20	1	14-NOV-1997 06:19
$1660_1.0	1	14-NOV-1997 06:56
$1660_2.0	1	14-NOV-1997 07:32
ICV_1660_1.0	1	14-NOV-1997 08:09
CCV_1660_1.0	1	20-NOV-1997 22:12
BL-142138-1	1	20-NOV-1997 22:49
QC-142138-1	1	20-NOV-1997 23:26
97C05209	100	21-NOV-1997 00:03
97C05209MS	100	21-NOV-1997 00:39
97C05209MSD	100	21-NOV-1997 01:16
97C05210	100	21-NOV-1997 01:53
97C05211	100	21-NOV-1997 02:29
97C05212	100	21-NOV-1997 03:06
97C05213	100	21-NOV-1997 03:43
97C05214	100	21-NOV-1997 04:20
CCV_1660_1.0	1	21-NOV-1997 04:56
97C05215	100	21-NOV-1997 05:33
97C05216	100	21-NOV-1997 06:10
97C05217	100	21-NOV-1997 06:46
97C05218	100	21-NOV-1997 07:23
97C05219	100	21-NOV-1997 08:00
97C05220	100	21-NOV-1997 08:36
97C05221	100	21-NOV-1997 09:13
97C05222	100	21-NOV-1997 09:50
97C05223	100	21-NOV-1997 10:27
97C05224	100	21-NOV-1997 11:04
CCV_1660_1.0	1	21-NOV-1997 11:40
97C05225	100	21-NOV-1997 12:17
97C05226	100	21-NOV-1997 12:54
97C05227	100	21-NOV-1997 13:31
97C05228	100	21-NOV-1997 14:07

	Sample Name	Dilution	Date Acquired
	97C05209	1	21-NOV-1997 14:44
	97C05209MS	1	21-NOV-1997 15:21
	97C05209MSD	1	21-NOV-1997 15:57
	97C05210	1	21-NOV-1997 16:34
	97C05211	1	21-NOV-1997 17:11
	97C05212	1	21-NOV-1997 17:47
4	CCV_1660_1.0	1	21-NOV-1997 18:24
	97C05213	1	21-NOV-1997 19:01
	97C05214	1	21-NOV-1997 19:37
	97C05215	1	21-NOV-1997 20:14
	97C05216	1	21-NOV-1997 20:51
	97C05217	1	21-NOV-1997 21:28
	97C05218	1	21-NOV-1997 22:05
	97C05219	1	21-NOV-1997 22:41
	97C05220	1	21-NOV-1997 23:18
	97C05221	1	21-NOV-1997 23:55
	97C05222	1	22-NOV-1997 00:32
5	CCV_1660_1.0	1	22-NOV-1997 01:08
	97C05223	1	22-NOV-1997 01:45
	97C05224	1	22-NOV-1997 02:22
	97C05225	1	22-NOV-1997 02:59
	97C05226	1	22-NOV-1997 03:35
	97C05227	1	22-NOV-1997 04:12
	97C05228	1	22-NOV-1997 04:49
6	CCV_1660_1.0	1	22-NOV-1997 05:25

TITLE DATACHEM LABORATORIES – GC – PESTICIDE ANALYSIS

Project No. 309
Book No. 3307

DATA CHEM LABORATORIES

From Page No.___

column: DB-608

client: Ray F. Weston
set: 97C-0437-01
method: 8080A
analyst: J. Chris Taylor

DATACHEM LABORATORIES GC-PESTICIDE ANALYSIS
INJECTION LOGBOOK FOR GC ECD-6

Sequence File = DISK:[TAYLORC]5697324.SEQ;1 Data Directory = DISK:[T

Seq#	Rep#	Sample Name / Sample Notes	Data Filename	Acquisition Time
1	1	PRIME	5697324001.RAW;1	13-NOV-1997 22:22:00
2	1	PCB221_2.0 / 138-WS-27569-1	5697324002.RAW;1	13-NOV-1997 22:58:46
3	1	PCB232_2.0 / 138-WS-27570-1	5697324003.RAW;1	13-NOV-1997 23:35:29
4	1	PCB242_2.0 / 138-WS-27571-1	5697324004.RAW;1	14-NOV-1997 00:12:15
5	1	PCB248_2.0 / 138-WS-27572-1	5697324005.RAW;1	14-NOV-1997 00:49:00
6	1	§1254_0.02 / 138-WS-27591	5697324006.RAW;1	14-NOV-1997 01:25:46
7	1	§1254_0.10 / 138-WS-27591	5697324007.RAW;1	14-NOV-1997 02:02:29
8	1	§1254_0.20 / 138-WS-27591	5697324008.RAW;1	14-NOV-1997 02:38:55
9	1	§1254_1.0 / 138-WS-27591	5697324009.RAW;1	14-NOV-1997 03:15:38
10	1	§1254_2.0 / 138-WS-27591	5697324010.RAW;1	14-NOV-1997 03:52:23
11	1	ICV1254_1.0 / 138-WS-27533	5697324011.RAW;1	14-NOV-1997 04:29:06
12	1	§1660_0.01 / 138-WS-27588-1	5697324012.RAW;1	14-NOV-1997 05:05:54
13	1	§1660_0.10 / 138-WS-27590-4	5697324013.RAW;1	14-NOV-1997 05:42:36
14	1	§1660_0.20 / 138-WS-27590-3	5697324014.RAW;1	14-NOV-1997 06:19:23
15	1	§1660_1.0 / 138-WS-27590-2	5697324015.RAW;1	14-NOV-1997 06:56:05
16	1	§1660_2.0 / 138-WS-27590-1	5697324016.RAW;1	14-NOV-1997 07:32:51
17	1	ICV_1660_1.0 / 138-WS-27589-1	5697324017.RAW;1	14-NOV-1997 08:09:34
18	1	CCV_1660_1.0 / 138-WS-27590	5697324018.RAW;1	20-NOV-1997 22:12:53
19	1	BL-142138-1 / 97C-0437-01	5697324019.RAW;1	20-NOV-1997 22:49:38
20	1	QC-142138-1 / 97C-0437-01	5697324020.RAW;1	20-NOV-1997 23:26:23
21	1	97C05209 X100 / 97C-0437-01	5697324021.RAW;1	21-NOV-1997 00:03:10
22	1	97C05209MS X100 / 97C-0437-01	5697324022.RAW;1	21-NOV-1997 00:39:55
23	1	97C05209MSD X100 / 97C-0437-01	5697324023.RAW;1	21-NOV-1997 01:16:21
24	1	97C05210 X100 / 97C-0437-01	5697324024.RAW;1	21-NOV-1997 01:53:08
			TN 12/3/97	
25	1	97C05211 X100 / 97C-0437-01	5697324025.RAW;1	21-NOV-1997 02:29:56
26	1	97C05212 X100 / 97C-0437-01	5697324026.RAW;1	21-NOV-1997 03:06:42
27	1	97C05213 X100 / 97C-0437-01	5697324027.RAW;1	21-NOV-1997 03:43:28
28	1	97C05214 X100 / 97C-0437-01	5697324028.RAW;1	21-NOV-1997 04:20:15
29	1	CCV_1660_1.0 / 138-WS-27590	5697324029.RAW;1	21-NOV-1997 04:56:41
30	1	97C05215 X100 / 97C-0437-01	5697324030.RAW;1	21-NOV-1997 05:33:27
31	1	97C05216 X100 / 97C-0437-01	5697324031.RAW;1	21-NOV-1997 06:10:12
32	1	97C05217 X100 / 97C-0437-01	5697324032.RAW;1	21-NOV-1997 06:46:39
33	1	97C05218 X100 / 97C-0437-01	5697324033.RAW;1	21-NOV-1997 07:23:27
34	1	97C05219 X100 / 97C-0437-01	5697324034.RAW;1	21-NOV-1997 08:00:11
35	1	97C05220 X100 / 97C-0437-01	5697324035.RAW;1	21-NOV-1997 08:36:57
36	1	97C05221 X100 / 97C-0437-01	5697324036.RAW;1	21-NOV-1997 09:13:43
37	1	97C05222 X100 / 97C-0437-01	5697324037.RAW;1	21-NOV-1997 09:50:28
38	1	97C05223 X100 / 97C-0437-01	5697324038.RAW;1	21-NOV-1997 10:27:16
39	1	97C05224 X100 / 97C-0437-01	5697324039.RAW;1	21-NOV-1997 11:04:01
40	1	CCV_1660_1.0 / 138-WS-27590	5697324040.RAW;1	21-NOV-1997 11:40:47
41	1	97C05225 X100 / 97C-0437-01	5697324041.RAW;1	21-NOV-1997 12:17:33
42	1	97C05226 X100 / 97C-0437-01	5697324042.RAW;1	21-NOV-1997 12:54:18
43	1	97C05227 X100 / 97C-0437-01	5697324043.RAW;1	21-NOV-1997 13:31:10
44	1	97C05228 X100 / 97C-0437-01	5697324044.RAW;1	21-NOV-1997 14:07:55
45	1	97C05209 / 97C-0437-01	5697324045.RAW;1	21-NOV-1997 14:44:40
46	1	97C05209MS / 97C-0437-01	5697324046.RAW;1	21-NOV-1997 15:21:09
47	1	97C05209MSD / 97C-0437-01	5697324047.RAW;1	21-NOV-1997 15:57:56
48	1	97C05210 / 97C-0437-01	5697324048.RAW;1	21-NOV-1997 16:34:45
			TN 12/3/97	
49	1	97C05211 / 97C-0437-01	5697324049.RAW;1	21-NOV-1997 17:11:09
50	1	97C05212 / 97C-0437-01	5697324050.RAW;1	21-NOV-1997 17:47:59
51	1	CCV_1660_1.0 / 138-WS-27590	5697324051.RAW;1	21-NOV-1997 18:24:47
52	1	97C05213 / 97C-0437-01	5697324052.RAW;1	21-NOV-1997 19:01:12
53	1	97C05214 / 97C-0437-01	5697324053.RAW;1	21-NOV-1997 19:37:58
54	1	97C05215 / 97C-0437-01	5697324054.RAW;1	21-NOV-1997 20:14:47
55	1	97C05216 / 97C-0437-01	5697324055.RAW;1	21-NOV-1997 20:51:35
56	1	97C05217 / 97C-0437-01	5697324056.RAW;1	21-NOV-1997 21:28:23
57	1	97C05218 / 97C-0437-01	5697324057.RAW;1	21-NOV-1997 22:05:11
58	1	97C05219 / 97C-0437-01	5697324058.RAW;1	21-NOV-1997 22:41:54
59	1	97C05220 / 97C-0437-01	5697324059.RAW;1	21-NOV-1997 23:18:42
60	1	97C05221 / 97C-0437-01	5697324060.RAW;1	21-NOV-1997 23:55:26
61	1	97C05222 / 97C-0437-01	5697324061.RAW;1	22-NOV-1997 00:32:08
62	1	CCV_1660_1.0 / 138-WS-27590	5697324062.RAW;1	22-NOV-1997 01:08:56
63	1	97C05223 / 97C-0437-01	5697324063.RAW;1	22-NOV-1997 01:45:42
64	1	97C05224 / 97C-0437-01	5697324064.RAW;1	22-NOV-1997 02:22:28
65	1	97C05225 / 97C-0437-01	5697324065.RAW;1	22-NOV-1997 02:59:09
66	1	97C05226 / 97C-0437-01	5697324066.RAW;1	22-NOV-1997 03:35:55
67	1	97C05227 / 97C-0437-01	5697324067.RAW;1	22-NOV-1997 04:12:38
68	1	97C05228 / 97C-0437-01	5697324068.RAW;1	22-NOV-1997 04:49:18
69	1	CCV_1660_1.0 / 138-WS-27590	5697324069.RAW;1	22-NOV-1997 05:25:58
			TN 12/3/97	

TN 12/3/97

To Page No. 7

Witnessed & Understood by me, Vicki Tsai

Date 12/3/97

Invented by NOT APPLICABLE

Date

Recorded by

12/3/97

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO 138WS

Page No. 169

138 WS 27569 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1221

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1221	36IS7181	100	0.2	10	2.0
2.	↓	↓	↓	0.1	↓	1.0
3.	↓	36IS7181	10	0.2	↓	0.20
4.	↓	↓	↓	0.1	↓	0.10
5.	↓	↓	↓	0.02	↓	0.02
6.						
7.						
8.						
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11.						
12.						
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16.						
17.						
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19.						
20.						

9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/15/97

Checked By: Vicki Tsai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 181

36 IS 7181 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1221

Solvent Hexane Vendor B & J Grade Pest. Lot BL 891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1221	36CS07123	1000	1	10	100
2.	TCMX	36CS 07127	↓	0.2	↓	MIX 20
3.	DCB	36CS 7126	↓	0.2	↓	20
4.	PCB 1221	36IS 7181	100	1	10	10
5.						
6.						
7.						
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11.						
12.						
13.						
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15.						
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SLS 9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/15/97

Checked By: Vicki Tsai Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 123

36 CS 07123 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: PCB 1221

Vendor: Chem Service Lot No.: 119-18C (F108) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00508 g

TARE WEIGHT 0 g

NET WEIGHT 0.00508 g

NET WEIGHT CORRECTED FOR PURITY 5.08 mg

Purity Correction —

Solvent toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 5.08 mL

FINAL CONCENTRATION ~~5~~ SS 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor: [illegible]

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 CS 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

0107

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 170

138WS 27570 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1232

Solvent Hexane Vendor B&J Grade Pest Lot BL891

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1232	36IS 7182	100	0.2	10	2.0
2.				0.1		1.0
3.		36IS7182	10	0.2		0.20
4.				0.1		0.10
5.				0.02		0.02
6.						
7.						
8.						
9.						
10.						
11.						
12.			9/16/97			
13.						
14.						
15.						
16.						
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18.						
19.						
20.						

EXPIRATION DATE 3/16/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/16/97

Checked By: Vicki Tsai Supervisor:

Comments:

0108

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 182

36 IS 7182 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1232

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1232	36IS7172	1000	1	10	100
2.	TCMX	36CS7127	↓	0.2	↓	Mix 20
3.	DCB	36CS7126	↓	0.2	↓	20
4.	PCB 1232	36IS7182	100	1	10	10
5.						
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12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

9/16/97

SS

EXPIRATION DATE 3/16/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/16/97

Checked By: Vicki Tai Supervisor:

Comments:

0109

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016, 1232 48

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	NSI 125-07-01	5000	1.0	5.0	1000
2.	PCB 1232 48 SS	NSI 108-01-06	5000	1.0	5.0	1000
3.	PCB 1232	NSI 107-01-07	~~5000~~ 1000 SS 9/16/97	~~1.0~~ SS 9/16/97	~~5~~ SS 9/16/97	1000
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SS 9/16/97

EXPIRATION DATE 3/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/98

Checked By: Vicki Tsai Supervisor:

Comments:

0110

Certificate of Analysis

Compound Name: PCB-1232
Lot Number: E-107-01-07
Expiration Date: 8/98

CAS Number: 11141-16-5
Molecular Wt.: 222.8
Molecular Formula: Mixture of congeners, primarily $C_{12}H_9Cl$, $C_{12}H_8Cl_2$, & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	PURITY	SOLVENT
PCB-1232 (CARCINOGEN)	1010 ug/mL	Technical Mix	Methanol (FLAMMABLE, IRRITANT)

Preparation: Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID Megabore DB-1 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0111

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

RM 1/8/98

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016, 12~~32~~48

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	NSI 125-07-07	5000	1.0	5.0	1000
2.	PCB 12~~32~~48 SS	NSI 108-01-06	5000	1.0	5.0	1000
3.	PCB 1232	NSI 107-01-07	~~5000~~ 1000 SS 9/17/97	~~1.0~~ 1.0 SS 9/16/97	~~5~~ 5 SS 9/16/97	1000
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9/15/97

EXPIRATION DATE 3/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/98

Checked By: Vicki Tsai Supervisor:

Comments:

0112

Certificate of Analysis

Compound Name: PCB-1016
Lot Number: W-125-07-01
Expiration Date: 12/99

CAS Number: 12674-11-2
Molecular Wt.: 240 (Average)
Molecular Formula: Mixture of congeners, primarily $C_{12}H_8Cl_2$ & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
PCB-1016 (CARCINOGEN)	5001 ug/mL	Technical Mix	Iso-octane (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID RTX-5 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0113

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor: _____

Comments: _____

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 CS 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

011

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO 138WS

Page No. 171

138 WS 27571 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1242

Solvent Hexane Vendor B&J Grade Pest. Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1242	36IS7183	100	0.2	10	2.0
2.	↓	↓	↓	0.1	↓	1.0
3.	↓	36IS7183	10	0.2	↓	0.20
4.	↓	↓	↓	0.1	↓	0.10
5.	↓	↓	↓	0.02	↓	0.02
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SS 9/17/97

EXPIRATION DATE 3/17/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/17/97

Checked By: U. Hai Tsai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 183

36 IS 7183 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1242

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1242	36CS07125	1000	1	10	100
2.	TCMX	36CS 7127	↓	0.2	↓	Mix 20
3.	DCB	36CS 7127	↓	0.2	↓	20
4.	PCB ~~1440~~ 1242 SS 9/16/97	36IS 7183	100	1	10	10
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SS 9/16/97

EXPIRATION DATE 3/16/97

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/16/97

Checked By: Vicki Tsai Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 125

36 CS 07125 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: PCB 1242

Vendor: Chem Service Lot No.: 160-142-D (F109) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00698 g

TARE WEIGHT 0 g

NET WEIGHT 0.00698 g

NET WEIGHT CORRECTED FOR PURITY 6.98 mg

Purity Correction —

Solvent toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 6.98 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 cs 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 172

138WS 27572 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1248

Solvent Hexane Vendor B&J Grade Pest. Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1248	36IS7184	100	0.2	10	2.0
2.	↓	↓	↓	0.1	↓	1.0
3.	↓	36IS7184	10	0.2	↓	0.2
4.	↓	↓	↓	0.1	↓	0.1
5.	↓	↓	↓	0.02	↓	0.02
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9/17/97

EXPIRATION DATE 3/17/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/17/97

Checked By: Vicki Tsai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 184

36 IS 7184 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1248

Solvent Hexane Vendor B&J Grade Rest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1248	36IS7172	1000	1	10	100
2.	TCMX	36CS 7127	↓	0.2	↓	Mix 20
3.	DCB	36CS 7126	↓	0.2	↓	20
4.	PCB 1248	36 IS 7184	100	1	10	10
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9/16/97 SS

EXPIRATION DATE 3/16/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/16/97

Checked By: Vicki Tsai Supervisor:

Comments:

0122

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016, 1232 48

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	NSI 125-07-01	5000	1.0	5.0	1000
2.	PCB 1232 48SS	NSI 108-01-06	5000	1.0	5.0	1000
3.	PCB 1232	NSI 107-01-07	~~5000~~ 1000 SS 9/10/98	1.0 SS 9/10/98	~~5~~ 5 SS 9/10/98	1000
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a/15/97

EXPIRATION DATE 3/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/98

Checked By: Vicki Tsai Supervisor:

Comments:

0123

Certificate of Analysis

Compound Name: PCB-1248
Lot Number: E-108-01-06
Expiration Date: 2/99

CAS Number: 12672-29-6
Molecular Wt.: 291.6 (Average)
Molecular Formula: Mixture of congeners, primarily $C_{12}H_4Cl_4$, $C_{12}H_5Cl_5$, & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	PURITY	SOLVENT
PCB-1248 (CARCINOGEN)	5005 ug/mL	Technical Mix	Iso-octane (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0124

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

1

Page No. 126

36 CS 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 191

138WS27591 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1254 Standards - various conc.

Solvent Hexane Vendor B&J Grade Pest Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1254	36IS7180	100	0.5	25	2.0
2.	↓	↓	↓	0.25	↓	1.0
3.	↓	36IS7180	10	0.5	↓	0.2
4.	↓	↓	↓	0.25	↓	0.1
5.	↓	↓	↓	0.05	↓	0.02
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10/21/97

SS

EXPIRATION DATE 4/21/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 10/21/97

Checked By: [illegible] Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 180

36 IS 7180 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1254

Solvent Hexane Vendor Baxter Grade Pesti Lot BL 891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1254	36CS07122	1000	1	10	100
2.	TCMX	36CS07127	↓	0.2	↓	Mix 20
3.	DCB	36CS7126	↓	0.2	↓	20
4.	PCB 1254	36IS7180	100	1	10	10
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9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/15/97

Checked By: Vicki Tsai Supervisor:

Comments:

0128

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36CS

Page No. 122

36cs 07122 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: PCB 1254

Vendor: Chem Service Lot No.: 120-15B (F111) Purity: —

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00709 g

TARE WEIGHT Ø g

NET WEIGHT 0.00709 g

NET WEIGHT CORRECTED FOR PURITY 7.09 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 7.09 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 8/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: Vicki Tsai Supervisor:

Comments:

0129

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 CS 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO138WS

Page No. 133

138WS 27533 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1254 - ICV

Solvent Hexane Vendor B & J Grade Pest Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1254	ULTRA K-0827	100	0.25	25	1.0
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7-2-97

EXPIRATION DATE 1-2-98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [illegible] Date of Preparation: 7-2-97

Checked By: [illegible] Supervisor:

Comments:

Certificate of Analysis

Aroclor 1254 Solution

Catalog Number: PP-351

Lot Number: K0827
Page: 1

This ULTRAstandard(TM) solution was gravimetrically prepared, and the analyte concentrations were verified using high resolution gas chromatography and/or high performance liquid chromatography. The solution was prepared at the nominal concentration stated on the box label. The true value for each analyte, determined gravimetrically, is listed below.

Component	Weight/mL*
Aroclor 1254 (PCB 1254)	100.5 µg

Solvent: hexane

* All weights are traceable through N.I.S.T. Test No. 732/221797

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0133

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 190

138WS 27590 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1660 Standards - various conc.

Solvent Hexane Vendor B&J Grade Pest Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1660	36IS7179	100	0.5	25	2.0
2.	↓	↓	↓	0.25	↓	1.0
3.	↓	36IS7179	10	0.5	↓	0.2
4.	↓	↓	↓	0.25	↓	0.1
5.	↓	↓	↓	0.125	↓	0.05
6.	↓	↓	↓	0.025	↓	0.01
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SS 10/21/97

EXPIRATION DATE ~~4/21/98~~ 3-15-98
SS 10-21-97

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 10/21/97

Checked By: Supervisor:

Comments:

0134

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 179

36 IS 7179 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016/1260

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	36IS7172	1000	1	10	100
2.	PCB 1260	~~36IS7178~~ 36CS-7121	↓	1	↓	100
3.	TCMX	36CS07127	✓	0.2		Mix 20
4.	DCB	36CS07126	✓	0.2	✓	20
5.	PCB 1016/1260 TCMX DCB	36IS7179	100/20	1.0	10	10/2
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9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [illegible] Date of Preparation: 9/15/97

Checked By: [illegible] Supervisor:

Comments:

Certificate of Analysis

Compound Name: PCB-1260
Lot Number: W-129-06-01
Expiration Date: 12/99

CAS Number: 11096-82-5
Molecular Wt.: 377.6
Molecular Formula: Mixture of congeners, primarily $C_{12}H_4Cl_6$, $C_{12}H_5Cl_6$, $C_{12}H_6Cl_4$, & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	PURITY	SOLVENT
PCB-1260 (CARCINOGEN)	5010 ug/mL	Technical Mix	Iso-octane (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID DB-5 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

Produced by: NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
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CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value - 0.1 - g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 cs 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 188

138WS 27588 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1660 0.02

Solvent Hex Vendor B&J Grade BEST Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1660	138WS 27567-6	2.0	0.1	10.	0.02
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EXPIRATION DATE 3-15-98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Lynn Walker Date of Preparation: 10-15-~~98~~ 97 SW

Checked By: Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO 138WS

Page No. 167

138WS27567 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1066

Solvent Hexane Vendor B & J Grade pest Lot BL891

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1066	36257179	10	.08	10	0.057
2.				.05		0.05
3.				.1		0.1
4.				.2		0.2
5.		36257179	100	.1		1
6.			100	.2		2
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9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/15/97

Checked By: Vicki Tsai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 179

36 IS 7179 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016/1260

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	36IS7172	1000	1	10	100
2.	PCB 1260	~~36IS7178~~ 36CS-7121		1		100
3.	TCMX	36CS07127		0.2		mix 20
4.	DCB	36CS07126		0.2		20
5.	PCB 1016/1260 TCMX DCB	36IS7179	100/20	1.0	10	10/2
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9/15/97

EXPIRATION DATE 3/15/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [illegible] Date of Preparation: 9/15/97

Checked By: Stevi Smith Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016, 12~~32~~ 48 SS

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	NSI 125-07-01	5000	1.0	5.0	1000
2.	PCB 12~~32~~48 SS	NSI 108-01-06	5000	1.0	5.0	1000
3.	PCB 1232	NSI 107-01-07	~~5000~~ 1000 SS 9/16/97	~~1.0~~ 1.0 SS 9/16/97	~~5~~ 5 SS 9/16/97	1000
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9/16/97

EXPIRATION DATE 3/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/98

Checked By: Vicki Tsai Supervisor:

Comments:

Certificate of Analysis

Compound Name: PCB-1016
Lot Number: W-125-07-01
Expiration Date: 12/99

CAS Number: 12674-11-2
Molecular Wt.: 240 (Average)
Molecular Formula: Mixture of congeners, primarily $C_{12}H_8Cl_2$ & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
PCB-1016 (CARCINOGEN)	5001 ug/mL	Technical Mix	Iso-octane (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID RTX-5 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

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Certificate of Analysis

Compound Name: PCB-1260
Lot Number: W-129-06-01
Expiration Date: 12/99

CAS Number: 11096-82-5
Molecular Wt.: 377.6
Molecular Formula: Mixture of congeners, primarily $C_{12}H_4Cl_6$, $C_{12}H_5Cl_5$, $C_{12}H_6Cl_4$ & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	PURITY	SOLVENT
PCB-1260 (CARCINOGEN)	5010 ug/mL	Technical Mix	Iso-octane (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID DB-5 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0144

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

Vendor: Aldrich Lot No.: 0052481(KY) Purity: 0

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value - 0.1 - g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor: _____

Comments: _____

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 CS 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

Vendor: Chem Service Lot No.: 136-76A (F850) Purity: 99%

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

If difference is greater than 0.001 grams: Notify QC. Take corrective action or start over using a different balance.

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: Staci Smith Date of Preparation: 9/10/97

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 189

138WS 27589 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB ICV 1016/1260

Solvent Hexane Vendor B&J Grade Pest Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	ULTRA L0076	100	0.1	10	1.0
2.	PCB 1260	ULTRA L0055	100	0.1	10	1.0
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10-18-97

EXPIRATION DATE 4-18-98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [illegible] Date of Preparation: 10-18-97

Checked By: [illegible] Supervisor:

Comments:

0147

Certificate of Analysis

Aroclor 1016 Solution

Catalog Number: PP-281

Lot Number: L0076
Page: 1

This ULTRAstandard(TM) solution was gravimetrically prepared, and the analyte concentrations were verified using high resolution gas chromatography and/or high performance liquid chromatography. The solution was prepared at the nominal concentration stated on the box label. The true value for each analyte, determined gravimetrically, is listed below.

Component	Weight/mL*
Aroclor 1016 (PCB 1016)	100.4 µg

Solvent: hexane

* All weights are traceable through N.I.S.T. Test No. 732/221797

0148

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Certificate of Analysis

Aroclor 1260 Solution

Catalog Number: PP-361

Lot Number: K1055
Page: 1

This ULTRAstandard(TM) solution was gravimetrically prepared, and the analyte concentrations were verified using high resolution gas chromatography and/or high performance liquid chromatography. The solution was prepared at the nominal concentration stated on the box label. The true value for each analyte, determined gravimetrically, is listed below.

Component	Weight/mL*
Aroclor 1260 (PCB 1260)	100.5 µg

Solvent: hexane

* All weights are traceable through N.I.S.T. Test No. 732/221797

0149

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WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO157WS

Page No. 021

157WS31221 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: 8080 Surrogate

Solvent acetone Vendor Fisher Grade Pest Lot 967647

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	CL10BP NSI	1084-06-02	200	1.25	500	0.5
2.	CL4XYL	1180-04-01	200	1.25	500	✓
3.	DBUCLE NSI	198-08-01	200	~~1.75~~ 11/12/97	500	✓
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11/12/97

EXPIRATION DATE 5/12/98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [signature] Date of Preparation: 11/12/97

Checked By: [signature] Supervisor:

Comments:

Certificate of Analysis

Compound Name: 2,4,5,6-Tetrachloro-m-xylene
Lot Number: W-1180-04-01
Expiration Date: 7/98

CAS Number: 877-09-8
Molecular Wt.: 244.0
Molecular Formula: $C_8H_6Cl_4$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
2,4,5,6-Tetrachloro-m-xylene	200 ug/mL	97.3 %	Acetone (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID DB-608 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

Produced by: NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
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Certificate of Analysis

Compound Name: Dibutyl chlorendate
Lot Number: W-798-08-01
Expiration Date: 4/98

CAS Number: 1770-80-5
Molecular Wt.: 501.06
Molecular Formula: $C_{17}H_{20}Cl_6O_4$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
Dibutyl chlorendate	200 ug/mL	98.0 %	Acetone (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID XTI-5 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0152

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

Certificate of Analysis

Compound Name: Decachlorobiphenyl
Lot Number: W-1084-06-02
Expiration Date: 6/98

CAS Number: 2051-24-3
Molecular Wt.: 498.7
Molecular Formula: $C_{12}Cl_{10}$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
Decachlorobiphenyl	203 ug/mL	97.7 %	Acetone (FLAMMABLE, IRRITANT)

Preparation: Reported concentration value has been corrected for purity using purity values obtained by NSI analysts. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST traceable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated equivalent labware.

NSI Environmental Solution's Method of Analysis: GC/FID DB-608 Column

Verification: Concentration and lot homogeneity are verified by NSI after ampuling. A quality control sample was included in the analysis and both the standard solution and the QC sample were prepared independently from the calibration solution.

STORAGE & HANDLING

Store at ≤ 5°C. Allow to equilibrate to room temperature before use.

A Material Safety Data Sheet (MSDS) is enclosed for the solvent. MSDSs for the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens are available upon request.

0153

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138 WS

Page No. 135

138 WS 27535 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 8080 MS

Solvent Acetone Vendor Fisher Grade UV Lot 965882

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016/1260	NSZ Q-10770	5,000	0.5	500	5.0
2.						
3.						
4.						
5.						
6.						
7.						
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7-3-97

EXPIRATION DATE 1-3-98

Refer to applicable contract or method for allowable time period before expiration.

Solution Prepared By: [illegible] Date of Preparation: 7-3-97

Checked By: [illegible] Supervisor:

Comments:

0154

Certificate of Analysis

Mixture Name: PCB Matrix Spike
Lot Number: Q-1077D
(CARCINOGEN)

Expiration Date: 12/96
Solvent: Toluene
(FLAMMABLE, IRRITANT)

CUSTOM REFERENCE SOLUTION

COMPOUND NUMBER	ANALYTE	GRAVIMETRIC CONCENTRATION (ug/mL)	CHROMATOGRAPHIC PURITY (%)
E-0125-01	PCB-1016	5060	Technical Mix
E-0129-01	PCB-1260	5004	Technical Mix

Preparation: Reported concentration value has been corrected for purity and is typically accurate to 0.5%. Concentration is calculated from wt/vol or vol/vol measurements using microbalances calibrated with NIST tracable weights to 0.0001g and/or ASTM Class A volumetric glassware or calibrated, equivalent labware.

STORAGE & HANDLING

Store at ≤ 5°C. Transfer to tightly sealed glass vial with Teflon-lined septum or cap after opening. Allow to equilibrate to room temperature before use.

This reference material is a dilute homogeneous solution of the above listed compounds in toluene. Hazard information for this specific solution is not available. However, MSDSs are enclosed for the solvent and the components comprising greater than 1.0% of the solution or 0.1% for components which are known to be carcinogens.

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
1-800-234-7837

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
12039717081680

Date _____
Laboratory Group Name 97C-0437-03
Account No. 03008

Roy F. Weston
Attention: Smita Sumbaly
1090 King Georges Post Road, Suite 201
Edison, NJ 08837

FAX (908) 225-7037
Telephone (908) 225-6116

Sampling Collection and Shipment

Sampling Site _____ Date of Collection November 06, 1997

Date Samples Received at Laboratory November 07, 1997

Analysis

Method of Analysis XX-EP-800

Date(s) of Analysis November 20, 1997

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total)							
XXXNS1	97C05209	SOIL	70.5							
XXXNS1	97C05209MD	SOIL	70.4							
XXXSS2	97C05210	SOIL	69.7							
XXXSS1	97C05211	SOIL	67.6							
XXXSD2	97C05212	SOIL	71.5							
YYYSED(S)	97C05213	SOIL	59.3							
YYYSS1	97C05214	SOIL	70.3							
YYYSD1	97C05215	SOIL	68.4							
YYYND1	97C05216	SOIL	63.9							
YYYNS2	97C05217	SOIL	68.5							
YYYSS2	97C05218	SOIL	69.2							
YYYNS1	97C05219	SOIL	67.5							
YYYND2	97C05220	SOIL	72.6							

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Michelle R. Manning

Reviewer:

0156

Laboratory Supervisor:

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
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DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-BL
Page 2 of 2
Part 1 of 1
12039717081680

Date _____
Laboratory Group Name 97C-0437-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total)							
YYYSED(D)	97C05221	SOIL	83.6							
YYYSD2	97C05222	SOIL	67.9							
ZZZSD2	97C05223	SOIL	53.6							
ZZZND2	97C05224	SOIL	91.9							
ZZZNS3	97C05225	SOIL	81.3							
ZZZSS2	97C05226	SOIL	64.6							
ZZZSED(S)	97C05227	SOIL	81.3							
ZZZNS2	97C05228	SOIL	91.2							
ZZZNS2	97C05228MD	SOIL	91.0							
Limit of Detection										

† See comment on last page.
ND Parameter not detected.above LOD.

** See comment on last page.
( ) Parameter between LOD and LOQ.

0157

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97BC01Z

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: XXXNS1

Date Received.....: Not Applicable

Client Sample Name: **BL-142138-1**
DCL Sample Name...: **BL-142138-1**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: Not Applicable
Reporting Units...: µg/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-NOV-97 22:49	2.95	ND			1.00	6.67
Aroclor 1221	20-NOV-97 22:49	20.9	ND			1.00	33.3
Aroclor 1232	20-NOV-97 22:49	3.68	ND			1.00	6.67
Aroclor 1242	20-NOV-97 22:49	2.53	ND			1.00	6.67
Aroclor 1248	20-NOV-97 22:49	2.30	ND			1.00	6.67
Aroclor 1254	20-NOV-97 22:49	1.54	ND			1.00	6.67
Aroclor 1260	20-NOV-97 22:49	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	13.65		
Dibutylchlorendate	15.93		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97BC020

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: XXXNS1

Date Received.....: Not Applicable

Client Sample Name: QC-142138-1
DCL Sample Name...: QC-142138-1
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: Not Applicable
Reporting Units...: µg/Kg

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-NOV-97 23:23	2.95	133.7			1.00	6.67
Aroclor 1260	20-NOV-97 23:23	1.47	124.6			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.34		
Dibutylchlorendate	17.89		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039716261168
Page 5

S97B70HW

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXNS1**
DCL Sample Name...: **97C05209**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 00:03	2.95	1175			100.	6.67
Aroclor 1221	21-NOV-97 00:03	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 00:03	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 00:03	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 00:03	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 00:03	1.54	7132			100.	6.67
Aroclor 1260	21-NOV-97 00:03	1.47	8176			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.10		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039716261168
Page 6

S97B70HX

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXNS1**
DCL Sample Name...: **97C05209MS**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 00:39	2.95	1308			100.	6.67
Aroclor 1260	21-NOV-97 00:39	1.47	7788			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.73		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70HY

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXNS1**
DCL Sample Name...: **97C05209MSD**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 01:16	2.95	1399			100.	6.67
Aroclor 1260	21-NOV-97 01:16	1.47	7975			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.53		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70HZ

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXSS2**
DCL Sample Name...: **97C05210**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:11
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 01:53	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 01:53	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 01:53	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 01:53	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 01:53	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 01:53	1.54	5890			100.	6.67
Aroclor 1260	21-NOV-97 01:53	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	18.52		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J0

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXS81**
DCL Sample Name...: **97C05211**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 02:29	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 02:29	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 02:29	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 02:29	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 02:29	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 02:29	1.54	4241			100.	6.67
Aroclor 1260	21-NOV-97 02:29	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.23		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J1

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **XXXSD2**
DCL Sample Name...: **97C05212**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:10
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 03:06	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 03:06	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 03:06	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 03:06	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 03:06	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 03:06	1.54	14210			100.	6.67
Aroclor 1260	21-NOV-97 03:06	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.64		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J2

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **YYYSED(S)**
DCL Sample Name...: **97C05213**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:15
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 03:43	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 03:43	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 03:43	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 03:43	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 03:43	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 03:43	1.54	2183			100.	6.67
Aroclor 1260	21-NOV-97 03:43	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.26		
Dibutylchlorendate	10.15		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J3

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYSS1
DCL Sample Name...: 97C05214
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:20
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 04:20	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 04:20	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 04:20	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 04:20	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 04:20	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 04:20	1.54	6154			100.	6.67
Aroclor 1260	21-NOV-97 04:20	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.41		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J4

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **YYYSD1**
DCL Sample Name...: **97C05215**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 05:33	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 05:33	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 05:33	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 05:33	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 05:33	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 05:33	1.54	7376			100.	6.67
Aroclor 1260	21-NOV-97 05:33	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.11		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J5

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYND1
DCL Sample Name...: 97C05216
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 06:10	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 06:10	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 06:10	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 06:10	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 06:10	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 06:10	1.54	19740			100.	6.67
Aroclor 1260	21-NOV-97 06:10	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.86		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J6

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYNS2
DCL Sample Name...: 97C05217
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:20
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 06:46	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 06:46	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 06:46	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 06:46	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 06:46	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 06:46	1.54	6513			100.	6.67
Aroclor 1260	21-NOV-97 06:46	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.10		
Dibutylchlorendate	>13333		

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J7

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYSS2
DCL Sample Name...: 97C05218
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 07:23	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 07:23	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 07:23	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 07:23	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 07:23	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 07:23	1.54	9982			100.	6.67
Aroclor 1260	21-NOV-97 07:23	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.14		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039716261168
Page 17

S97B70J8

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYNS1
DCL Sample Name...: 97C05219
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 08:00	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 08:00	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 08:00	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 08:00	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 08:00	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 08:00	1.54	5164			100.	6.67
Aroclor 1260	21-NOV-97 08:00	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.58		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70J9

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: YYYND2
DCL Sample Name...: 97C05220
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:27
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 08:36	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 08:36	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 08:36	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 08:36	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 08:36	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 08:36	1.54	2050			100.	6.67
Aroclor 1260	21-NOV-97 08:36	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.94		
Dibutylchlorendate	14.30		

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JB

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **YYYSED(D)**
DCL Sample Name...: **97C05221**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:17
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 23:55	2.95	ND			1.00	6.67
Aroclor 1221	21-NOV-97 23:55	20.9	ND			1.00	33.3
Aroclor 1232	21-NOV-97 23:55	3.68	ND			1.00	6.67
Aroclor 1242	21-NOV-97 23:55	2.53	ND			1.00	6.67
Aroclor 1248	21-NOV-97 23:55	2.30	ND			1.00	6.67
Aroclor 1254	21-NOV-97 23:55	1.54	9.401			1.00	6.67
Aroclor 1260	21-NOV-97 23:55	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.06		
Dibutylchlorendate	12.21		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JC

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **YYYSD2**
DCL Sample Name...: **97C05222**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 09:50	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 09:50	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 09:50	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 09:50	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 09:50	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 09:50	1.54	14760			100.	6.67
Aroclor 1260	21-NOV-97 09:50	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.16		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JD

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: ZZZSD2
DCL Sample Name...: 97C05223
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:45
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 10:27	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 10:27	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 10:27	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 10:27	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 10:27	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 10:27	1.54	13120			100.	6.67
Aroclor 1260	21-NOV-97 10:27	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.11		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JF

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: ZZZND2
DCL Sample Name...: 97C05224
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:44
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 02:22	2.95	ND			1.00	6.67
Aroclor 1221	22-NOV-97 02:22	20.9	ND			1.00	33.3
Aroclor 1232	22-NOV-97 02:22	3.68	ND			1.00	6.67
Aroclor 1242	22-NOV-97 02:22	2.53	ND			1.00	6.67
Aroclor 1248	22-NOV-97 02:22	2.30	ND			1.00	6.67
Aroclor 1254	22-NOV-97 02:22	1.54	30.88			1.00	6.67
Aroclor 1260	22-NOV-97 02:22	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.05		
Dibutylchlorendate	9.138		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12039716261168
Page 23

S97B70JG

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: ZZZNS3
DCL Sample Name...: 97C05225
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:45
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 12:17	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 12:17	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 12:17	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 12:17	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 12:17	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 12:17	1.54	1849			100.	6.67
Aroclor 1260	21-NOV-97 12:17	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.90		
Dibutylchlorendate	13.63		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JH

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: **ZZZSS2**
DCL Sample Name...: **97C05226**
DCL Report Group..: **97C-0437-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:42
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-NOV-97 12:54	2.95	ND			100.	6.67
Aroclor 1221	21-NOV-97 12:54	20.9	ND			100.	33.3
Aroclor 1232	21-NOV-97 12:54	3.68	ND			100.	6.67
Aroclor 1242	21-NOV-97 12:54	2.53	ND			100.	6.67
Aroclor 1248	21-NOV-97 12:54	2.30	ND			100.	6.67
Aroclor 1254	21-NOV-97 12:54	1.54	5796			100.	6.67
Aroclor 1260	21-NOV-97 12:54	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.01		
Dibutylchlorendate	>13333		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JJ

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: ZZZSED(S)
DCL Sample Name...: 97C05227
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 04:12	2.95	ND			1.00	6.67
Aroclor 1221	22-NOV-97 04:12	20.9	ND			1.00	33.3
Aroclor 1232	22-NOV-97 04:12	3.68	ND			1.00	6.67
Aroclor 1242	22-NOV-97 04:12	2.53	ND			1.00	6.67
Aroclor 1248	22-NOV-97 04:12	2.30	ND			1.00	6.67
Aroclor 1254	22-NOV-97 04:12	1.54	16.47			1.00	6.67
Aroclor 1260	22-NOV-97 04:12	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.97		
Dibutylchlorendate	11.86		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70JK

Date Printed.....: 03-DEC-97 16:26

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: XXXNS1

Date Received.....: 07-NOV-97 00:00

Client Sample Name: ZZZNS2
DCL Sample Name...: 97C05228
DCL Report Group..: 97C-0437-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:39
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC014
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: Not Required

DCL Analysis Group: G97C002Q
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 04:49	2.95	ND			1.00	6.67
Aroclor 1221	22-NOV-97 04:49	20.9	ND			1.00	33.3
Aroclor 1232	22-NOV-97 04:49	3.68	ND			1.00	6.67
Aroclor 1242	22-NOV-97 04:49	2.53	ND			1.00	6.67
Aroclor 1248	22-NOV-97 04:49	2.30	ND			1.00	6.67
Aroclor 1254	22-NOV-97 04:49	1.54	4.496			1.00	6.67
Aroclor 1260	22-NOV-97 04:49	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	10.26		
Dibutylchlorendate	5.279		

NOTE: This data is from the LIMS not the QC database.

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Raw Data
Environmental Organic Analysis
Table of Contents
(Rev. 1: 3/95 GLH)

[NA] DUMMY: Raw data is contained with set _____

[X] Section 1. Sequencing Order

[X] Section 2. Quantitation Data

[X] Section 3. Calibration Data (Primary Column)

[X] Section 4. Extract Data (Primary Column)

[NA] Section 5. Confirmation Column Data

[NA] Other (describe) _____

The following signatures verify that the raw data and all inventory and reviewer checklists in each raw data section (all green sheets) are complete and accurate.

Assembled by: [signature] 12/1/97 Reviewed by: [signature] 1/2/98
Signature Date Signature Date

Section 1. Environmental Organic Analysis
(Rev. 1: 3/95)
Sequencing Order
Inventory Checklist

USAEC Protocol including UH20, LH17, etc. (Excluding PST1-WA/SO and HBG1-WA/SO)

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation (if not accommodated by calibration standards)
4. Calibration Standards (or continuing calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
8. Continuing Calibration
   - a. Are: aliquots of the high calibration standards
   - b. Frequency: after every analytical lot
   - c. Criteria: ⅔ of the analytes ±25% and RIW

PST1-WA/SO Protocol

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation - PEM
4. Calibration Standards (or Continuing Calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
8. Continuing Calibration
   - a. Are: a solvent blank and alternating PEM with aliquots of the A and BMIX calibration standards
   - b. Frequency: every 12 hours
   - c. Criteria: ⅔ of the analytes ±25% and RIW

HGB1-WA/SO Protocol

1. Prime (optional)
2. Solvent blank (optional)
3. Calibration Standards (or Continuing Calibration)
4. Initial Calibration Verification (ICV)
5. Solvent blank (Optional)
6. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
7. Continuing Calibration
   - a. Are: aliquots of mid-range calibration standards
   - b. Frequency: every 12 hours
   - c. Criteria: ⅔ of the analytes ±25% and RIW

SW-846 Protocol including 8080, 8150, etc.

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation (if not accommodated by calibration standards)
4. Calibration Standards (or continuing calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. LCS(s)
   - c. Field sample extracts (including MS/MSD(s))
8. Continuing Calibration
   - a. Are: aliquots of the mid-range calibration standards
   - b. Frequency: a minimum of every 10 extracts
   - c. Criteria: ±15% and RIW

Section 1. Sequencing Order
Reviewer Checklist

The order of the raw data is consistent with applicable protocol.

Data has been initialed and dated by the analyst and checker in the appropriate places.

Sequence: DISK:[TAYLORC]5697324.SEQ;1
Date: 1-DEC-1997 16:37:51.56

Spl	Sample Name	Inj	Method File	Calib RT	Calib CF	Data File
1	PRIME	1	5697324_8080P			5697324001
2	PCB221_2.0	1	5697324_8080P			5697324002
3	PCB232_2.0	1	5697324_8080P			5697324003
4	PCB242_2.0	1	5697324_8080P			5697324004
5	PCB248_2.0	1	5697324_8080P			5697324005
6	$1254_0.02	1	5697324_8080P	I	R	5697324006
7	$1254_0.10	1	5697324_8080P	I	R	5697324007
8	$1254_0.20	1	5697324_8080P	I	R	5697324008
9	$1254_1.0	1	5697324_8080P	I	R	5697324009
10	$1254_2.0	1	5697324_8080P	I	R	5697324010
11	ICV1254_1.0	1	5697324_8080P			5697324011
12	$1660_0.01	1	5697324_8080P	I	R	5697324012
13	$1660_0.10	1	5697324_8080P	I	R	5697324013
14	$1660_0.20	1	5697324_8080P	I	R	5697324014
15	$1660_1.0	1	5697324_8080P	I	R	5697324015
16	$1660_2.0	1	5697324_8080P	I	R	5697324016
17	ICV_1660_1.0	1	5697324_8080P			5697324017
18	CCV_1660_1.0	1	5697324_8080P			5697324018
19	BL-142138-1	1	5697324_8080P			5697324019
20	QC-142138-1	1	5697324_8080P			5697324020
21	97C05209 X100	1	5697324_8080P			5697324021
22	97C05209MS X100	1	5697324_8080P			5697324022
23	97C05209MSD X100	1	5697324_8080P			5697324023
24	97C05210 X100	1	5697324_8080P			5697324024
25	97C05211 X100	1	5697324_8080P			5697324025
26	97C05212 X100	1	5697324_8080P			5697324026
27	97C05213 X100	1	5697324_8080P			5697324027
28	97C05214 X100	1	5697324_8080P			5697324028
29	CCV_1660_1.0	1	5697324_8080P			5697324029
30	97C05215 X100	1	5697324_8080P			5697324030
31	97C05216 X100	1	5697324_8080P			5697324031
32	97C05217 X100	1	5697324_8080P			5697324032
33	97C05218 X100	1	5697324_8080P			5697324033
34	97C05219 X100	1	5697324_8080P			5697324034
35	97C05220 X100	1	5697324_8080P			5697324035
36	97C05221 X100	1	5697324_8080P			5697324036
37	97C05222 X100	1	5697324_8080P			5697324037
38	97C05223 X100	1	5697324_8080P			5697324038
39	97C05224 X100	1	5697324_8080P			5697324039
40	CCV_1660_1.0	1	5697324_8080P			5697324040
41	97C05225 X100	1	5697324_8080P			5697324041
42	97C05226 X100	1	5697324_8080P			5697324042
43	97C05227 X100	1	5697324_8080P			5697324043
44	97C05228 X100	1	5697324_8080P			5697324044
45	97C05209	1	5697324_8080P			5697324045
46	97C05209MS	1	5697324_8080P			5697324046
47	97C05209MSD	1	5697324_8080P			5697324047
48	97C05210	1	5697324_8080P			5697324048
49	97C05211	1	5697324_8080P			5697324049
50	97C05212	1	5697324_8080P			5697324050
51	CCV_1660_1.0	1	5697324_8080P			5697324051
52	97C05213	1	5697324_8080P			5697324052
53	97C05214	1	5697324_8080P			5697324053
54	97C05215	1	5697324_8080P			5697324054
55	97C05216	1	5697324_8080P			5697324055
56	97C05217	1	5697324_8080P			5697324056
57	97C05218	1	5697324_8080P			5697324057
58	97C05219	1	5697324_8080P			5697324058

59	97C05220	1	5697324_8080P	5697324059
60	97C05221	1	5697324_8080P	5697324060
61	97C05222	1	5697324_8080P	5697324061
62	CCV_1660_1.0	1	5697324_8080P	5697324062
63	97C05223	1	5697324_8080P	5697324063
64	97C05224	1	5697324_8080P	5697324064
65	97C05225	1	5697324_8080P	5697324065
66	97C05226	1	5697324_8080P	5697324066
67	97C05227	1	5697324_8080P	5697324067
68	97C05228	1	5697324_8080P	5697324068
69	CCV_1660_1.0	1	5697324_8080P	5697324069

Reports: Delayed
Calibration mode: 2. Calibrate standards before analyzing unknowns.

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697324.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
1	1	PRIME	5697324001.RAW;1	13-NOV-1997 22:22:00
2	1	PCB221_2.0 138-WS-27569-1	5697324002.RAW;1	13-NOV-1997 22:58:46
3	1	PCB232_2.0 138-WS-27570-1	5697324003.RAW;1	13-NOV-1997 23:35:29
4	1	PCB242_2.0 138-WS-27571-1	5697324004.RAW;1	14-NOV-1997 00:12:15
5	1	PCB248_2.0 138-WS-27572-1	5697324005.RAW;1	14-NOV-1997 00:49:00
6	1	$1254_0.02 138-WS-27591	5697324006.RAW;1	14-NOV-1997 01:25:46
7	1	$1254_0.10 138-WS-27591	5697324007.RAW;1	14-NOV-1997 02:02:29
8	1	$1254_0.20 138-WS-27591	5697324008.RAW;1	14-NOV-1997 02:38:55
9	1	$1254_1.0 138-WS-27591	5697324009.RAW;1	14-NOV-1997 03:15:38
10	1	$1254_2.0 138-WS-27591	5697324010.RAW;1	14-NOV-1997 03:52:23
11	1	ICV1254_1.0 138-WS-27533	5697324011.RAW;1	14-NOV-1997 04:29:06
12	1	$1660_0.01 138-WS-27588-1	5697324012.RAW;1	14-NOV-1997 05:05:54
13	1	$1660_0.10 138-WS-27590-4	5697324013.RAW;1	14-NOV-1997 05:42:36
14	1	$1660_0.20 138-WS-27590-3	5697324014.RAW;1	14-NOV-1997 06:19:23
15	1	$1660_1.0 138-WS-27590-2	5697324015.RAW;1	14-NOV-1997 06:56:05
16	1	$1660_2.0 138-WS-27590-1	5697324016.RAW;1	14-NOV-1997 07:32:51
17	1	ICV_1660_1.0 138-WS-27589-1	5697324017.RAW;1	14-NOV-1997 08:09:34
18	1	CCV_1660_1.0 138-WS-27590	5697324018.RAW;1	20-NOV-1997 22:12:53
19	1	BL-142138-1 97C-0437-01	5697324019.RAW;1	20-NOV-1997 22:49:38
20	1	QC-142138-1 97C-0437-01	5697324020.RAW;1	20-NOV-1997 23:26:23
21	1	97C05209 X100 97C-0437-01	5697324021.RAW;1	21-NOV-1997 00:03:10
22	1	97C05209MS X100 97C-0437-01	5697324022.RAW;1	21-NOV-1997 00:39:55
23	1	97C05209MSD X100 97C-0437-01	5697324023.RAW;1	21-NOV-1997 01:16:21
24	1	97C05210 X100 97C-0437-01	5697324024.RAW;1	21-NOV-1997 01:53:08

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697324.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
25	1	97C05211 X100 97C-0437-01	5697324025.RAW;1	21-NOV-1997 02:29:56
26	1	97C05212 X100 97C-0437-01	5697324026.RAW;1	21-NOV-1997 03:06:42
27	1	97C05213 X100 97C-0437-01	5697324027.RAW;1	21-NOV-1997 03:43:28
28	1	97C05214 X100 97C-0437-01	5697324028.RAW;1	21-NOV-1997 04:20:15
29	1	CCV_1660_1.0 138-WS-27590	5697324029.RAW;1	21-NOV-1997 04:56:41
30	1	97C05215 X100 97C-0437-01	5697324030.RAW;1	21-NOV-1997 05:33:27
31	1	97C05216 X100 97C-0437-01	5697324031.RAW;1	21-NOV-1997 06:10:12
32	1	97C05217 X100 97C-0437-01	5697324032.RAW;1	21-NOV-1997 06:46:39
33	1	97C05218 X100 97C-0437-01	5697324033.RAW;1	21-NOV-1997 07:23:27
34	1	97C05219 X100 97C-0437-01	5697324034.RAW;1	21-NOV-1997 08:00:11
35	1	97C05220 X100 97C-0437-01	5697324035.RAW;1	21-NOV-1997 08:36:57
36	1	97C05221 X100 97C-0437-01	5697324036.RAW;1	21-NOV-1997 09:13:43
37	1	97C05222 X100 97C-0437-01	5697324037.RAW;1	21-NOV-1997 09:50:28
38	1	97C05223 X100 97C-0437-01	5697324038.RAW;1	21-NOV-1997 10:27:16
39	1	97C05224 X100 97C-0437-01	5697324039.RAW;1	21-NOV-1997 11:04:01
40	1	CCV_1660_1.0 138-WS-27590	5697324040.RAW;1	21-NOV-1997 11:40:47
41	1	97C05225 X100 97C-0437-01	5697324041.RAW;1	21-NOV-1997 12:17:33
42	1	97C05226 X100 97C-0437-01	5697324042.RAW;1	21-NOV-1997 12:54:18
43	1	97C05227 X100 97C-0437-01	5697324043.RAW;1	21-NOV-1997 13:31:10
44	1	97C05228 X100 97C-0437-01	5697324044.RAW;1	21-NOV-1997 14:07:55
45	1	97C05209 97C-0437-01	5697324045.RAW;1	21-NOV-1997 14:44:40
46	1	97C05209MS 97C-0437-01	5697324046.RAW;1	21-NOV-1997 15:21:09
47	1	97C05209MSD 97C-0437-01	5697324047.RAW;1	21-NOV-1997 15:57:56
48	1	97C05210 97C-0437-01	5697324048.RAW;1	21-NOV-1997 16:34:45

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697324.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
49	1	97C05211 97C-0437-01	5697324049.RAW;1	21-NOV-1997 17:11:09
50	1	97C05212 97C-0437-01	5697324050.RAW;1	21-NOV-1997 17:47:59
51	1	CCV_1660_1.0 138-WS-27590	5697324051.RAW;1	21-NOV-1997 18:24:47
52	1	97C05213 97C-0437-01	5697324052.RAW;1	21-NOV-1997 19:01:12
53	1	97C05214 97C-0437-01	5697324053.RAW;1	21-NOV-1997 19:37:58
54	1	97C05215 97C-0437-01	5697324054.RAW;1	21-NOV-1997 20:14:47
55	1	97C05216 97C-0437-01	5697324055.RAW;1	21-NOV-1997 20:51:35
56	1	97C05217 97C-0437-01	5697324056.RAW;1	21-NOV-1997 21:28:23
57	1	97C05218 97C-0437-01	5697324057.RAW;1	21-NOV-1997 22:05:11
58	1	97C05219 97C-0437-01	5697324058.RAW;1	21-NOV-1997 22:41:54
59	1	97C05220 97C-0437-01	5697324059.RAW;1	21-NOV-1997 23:18:42
60	1	97C05221 97C-0437-01	5697324060.RAW;1	21-NOV-1997 23:55:26
61	1	97C05222 97C-0437-01	5697324061.RAW;1	22-NOV-1997 00:32:08
62	1	CCV_1660_1.0 138-WS-27590	5697324062.RAW;1	22-NOV-1997 01:08:56
63	1	97C05223 97C-0437-01	5697324063.RAW;1	22-NOV-1997 01:45:42
64	1	97C05224 97C-0437-01	5697324064.RAW;1	22-NOV-1997 02:22:28
65	1	97C05225 97C-0437-01	5697324065.RAW;1	22-NOV-1997 02:59:09
66	1	97C05226 97C-0437-01	5697324066.RAW;1	22-NOV-1997 03:35:55
67	1	97C05227 97C-0437-01	5697324067.RAW;1	22-NOV-1997 04:12:38
68	1	97C05228 97C-0437-01	5697324068.RAW;1	22-NOV-1997 04:49:18
69	1	CCV_1660_1.0 138-WS-27590	5697324069.RAW;1	22-NOV-1997 05:25:58

Section 2.
Environmental Organic Analysis
(Rev. 1: 3/95)

Quantitation Data
Inventory Checklist

[NA] Muddle Sheets

[X] Tabular Summary Sheets - Primary and Confirmation (if applicable) Columns

Section 2.
Quantitation Data
Reviewer Checklist

X The quantitation data inventory checklist above is complete.

X The calibration data has been verified for the following:

- ☞ The response data on the muddle sheets are consistent with tabular summary sheets for all data.
- ☞ The correct conversion factor(s) has/have been applied on the muddle sheets.

PENelson ACCESS*CHROM V1.8 Peak Summary Worksheet 12/1/97

Sample Name	CL4XYL Result	PCB016 Result	PCB254 Result	PCB260 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	6.7978	12.378	17.898	18.212	22.006	
	1.6193E-03	0.8092	1.55	1.829	9.1894E-04	
PRIME	-6.4322E-04	3.1143E-04	3.3625E-03			
PCB221_2.0	0.4936	0.1463	3.8877E-02	3.3122E-02	0.4601	
PCB232_2.0	0.3682	0.7507	4.7132E-02	4.7594E-02	0.333	
PCB242_2.0	0.2504	0.8634	5.0089E-02	8.0097E-02	0.2175	
PCB248_2.0	0.2283	0.9076	0.1038	0.1393	0.2333	
	+	+	+	+	+	+
$1254_0.02	0	0	0	0	0	
$1254_0.10	0	0	0	0	0	
$1254_0.20	0	0	0	0	0	
$1254_1.0	0	0	0	0	0	
$1254_2.0	0	0	0	0	0	
	+	+	+	+	+	+
ICV1254_1.0		0.2859	1.003	0.7584		
$1660_0.01	0	0	0	0	0	
$1660_0.10	0	0	0	0	0	
$1660_0.20	0	0	0	0	0	
$1660_1.0	0	0	0	0	0	
	+	+	+	+	+	+
$1660_2.0	0	0	0	0	0	
ICV_1660_1.0	5.6150E-03	1.109	1.502	1.029	8.8394E-03	
CCV_1660_1.0	0.2391	1.257	1.982	1.137	0.2708	
BL-142138-1	13.65	0.4174	0.3627	-0.5573	15.93	
QC-142138-1	14.34	133.7	171.2	124.6	17.89	
	+	+	+	+	+	+
97C05209 X10	-3.5756E-02	11.75	71.32	65.41		
97C05209MS X	-5.5184E-02	10.46	54.94	62.3		
97C05209MSD	-4.1178E-02	11.19	72.34	63.8		
97C05210 X10	1.9597E-02	10.71	58.9	66.13		
97C05211 X10	-5.8120E-02	15.15	42.41	46.31		
	+	+	+	+	+	+
97C05212 X10	-7.7418E-03	92.39	142.1	148.6		
97C05213 X10	-6.4220E-02	32.46	21.83	25.36		
97C05214 X10	-1.8134E-02	15.77	61.54	67.99		
CCV_1660_1.0	0.2423	1.309	1.79	1.184	0.2823	
97C05215 X10	-1.7908E-02	15.65	73.76	67.41		
	+	+	+	+	+	+
97C05216 X10	-2.0394E-02	18.3	197.4	128.4		
97C05217 X10	-2.7623E-02	9.375	65.13	59.89		
97C05218 X10	-6.1603E-03	30.56	99.82	114.4		
97C05219 X10	-5.0306E-03	14.77	51.64	57.64		
97C05220 X10	-4.5244E-02	2.716	16.4	11.42	-8.8946E-03	
	+	+	+	+	+	+
97C05221 X10	-7.6417E-02				-6.5744E-02	
97C05222 X10	2.4342E-02	34.76	147.6	189.4		
97C05223 X10	-2.2653E-02	36.06	131.2	184.4		
97C05224 X10	-6.0153E-02				-9.2457E-02	
CCV_1660_1.0	0.1758	1.22	1.555	0.9906	0.2139	
	+	+	+	+	+	+

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PENelson ACCESS*CHROM V1.8 Peak Summary Worksheet

Sample Name	CL4XYL	PCB016	PCB254	PCB260	DBUCLE	Peak
	6.7978	12.378	17.898	18.212	22.006	RT Mean
	1.6193E-03	0.8092	1.55	1.829	9.1894E-04	RT SD
	Result	Result	Result	Result	Result	Response
97C05225 X10	-6.3768E-02	2.093	18.49	17.38	-1.9147E-02	
97C05226 X10	-3.8467E-02	17.74	57.96	53.88		
97C05227 X10	-5.7894E-02				-5.8600E-02	
97C05228 X10	-0.1171				-0.1605	
97C05209	15.1	220.7	0	0		
+	+	+	+	+	+	
97C05209MS	14.73	332.5	0	0		
97C05209MSD	15.53	348.1	0	0		
97C05210	18.52	292.7	0	0		
97C05211	15.23	342.9	0	0		
97C05212	15.64	206.1	0	0		
+	+	+	+	+	+	
CCV_1660_1.0	0.1897	1.061	0.965	0.6561	0.1719	
97C05213	15.26	155.7	226.3	188.6	10.15	
97C05214	15.41	146	0	0		
97C05215	14.11	386.4	0	0		
97C05216	15.86	400.8	0	0		
+	+	+	+	+	+	
97C05217	15.1	278	0	0		
97C05218	15.14	170.7	0	0		
97C05219	15.58	300.9	0	0		
97C05220	16.94	35.5	0	266.3	14.3	
97C05221	15.06	6.234	7.521	10.9	12.21	
+	+	+	+	+	+	
97C05222	16.16	269.5	0	0		
CCV_1660_1.0	0.206	0.9484	1.131	0.7585	0.1991	
97C05223	14.11	334.7	0	0		
97C05224	14.05	6.193	30.88	45.37	9.138	
97C05225	15.9	75.71	0	118.4	13.63	
+	+	+	+	+	+	
97C05226	15.01	151.7	0	0		
97C05227	14.97	9.201	16.47	16.27	11.86	
97C05228	10.26	1.173	4.496	9.716	5.279	
CCV_1660_1.0	0.2067	1.109	1.175	0.8469	0.2	

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Section 3.
Environmental Organic Analysis
(Rev. 1: 3/95)

Calibration Data (Primary Column)
Inventory Checklist

☒ The initial calibration consists of the following:

- ▲ Calibration standards
- ▲ Initial Calibration Verification (ICV) solution
- ▲ Mid-range pattern identification standards (if applicable)
- ▲ Breakdown calculation solution (if not accommodated by calibration standards)

☒ Continuing Calibration (in sequence-specified order)

Section 3.
Calibration Data (Primary Column)
Reviewer Checklist

X The calibration data inventory checklist above is complete.

X The calibration data has been verified for the following:

- ☞ Response data are consistent with tabular summary sheets for all data.
- ☞ For each analyte on the tabular summary, the retention time is consistent with the calibration standards.
- ☞ The low standards are clearly distinguished from the baseline.
- ☞ Integration is consistent with good chromatography practices unless otherwise specified on raw data.
- ☞ When multi-component analytes are being quantitated, the total response is shown on each raw data file for each multi-peak method used.
- ☞ No saturated peaks have been used for quantitation.
- ☞ Manual edits have been initialed and dated by the analyst.
- ☞ All method headers reflect correct analysis data.

X Unless otherwise stated with reasoning in the case narrative, the following QC has been verified:

- ☞ Breakdown criteria for endrin and 4,4'-DDT has been met (if applicable).
- ☞ All continuing calibration response and retention time window criteria have been met.
- ☞ The Initial Calibration Verification criteria has been met.

Date..... 1-DEC-1997 16:58:34.30 User: TAYLORC
Report number.....1197258868
Raw file.....DISK:[TAYLORC]5697324006.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;13
Last method update.. 1-DEC-1997 16:58:40.60

12/2/97

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 01:25:46
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.02
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....36
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		

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EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.02

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.800	7388				
PCB016;2	11.916	424				
PCB016;4	12.490	562				
PCB016;5	13.610	421				

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PCB260;1	15.071	1162		
PCB254;1	15.344	1620	4.0000E-03	4.050E+05
PCB254;2	17.473	479	4.0000E-03	1.197E+05
PCB254;3	17.864	390	4.0000E-03	9.750E+04
PCB260;2	18.241	944		
PCB260;3	18.953	418		
PCB254;4	19.372	807	4.0000E-03	2.017E+05
PCB254;5	19.603	515	4.0000E-03	1.287E+05
PCB260;4	19.797	1646		
DBUCLE	22.008	4937		

METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;2	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB016;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB254;1	15.349	15.349	4.050E+05	4.050E+05		1
PCB254;2	17.477	17.477	1.198E+05	1.197E+05		1
PCB254;3	17.864	17.864	9.750E+04	9.750E+04		1
PCB260;2	18.234	18.234				0
PCB260;3	18.957	18.957				0
PCB254;4	19.392	19.392	2.018E+05	2.017E+05		1
PCB254;5	19.600	19.600	1.288E+05	1.287E+05		1
PCB260;4	19.806	19.806				0
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

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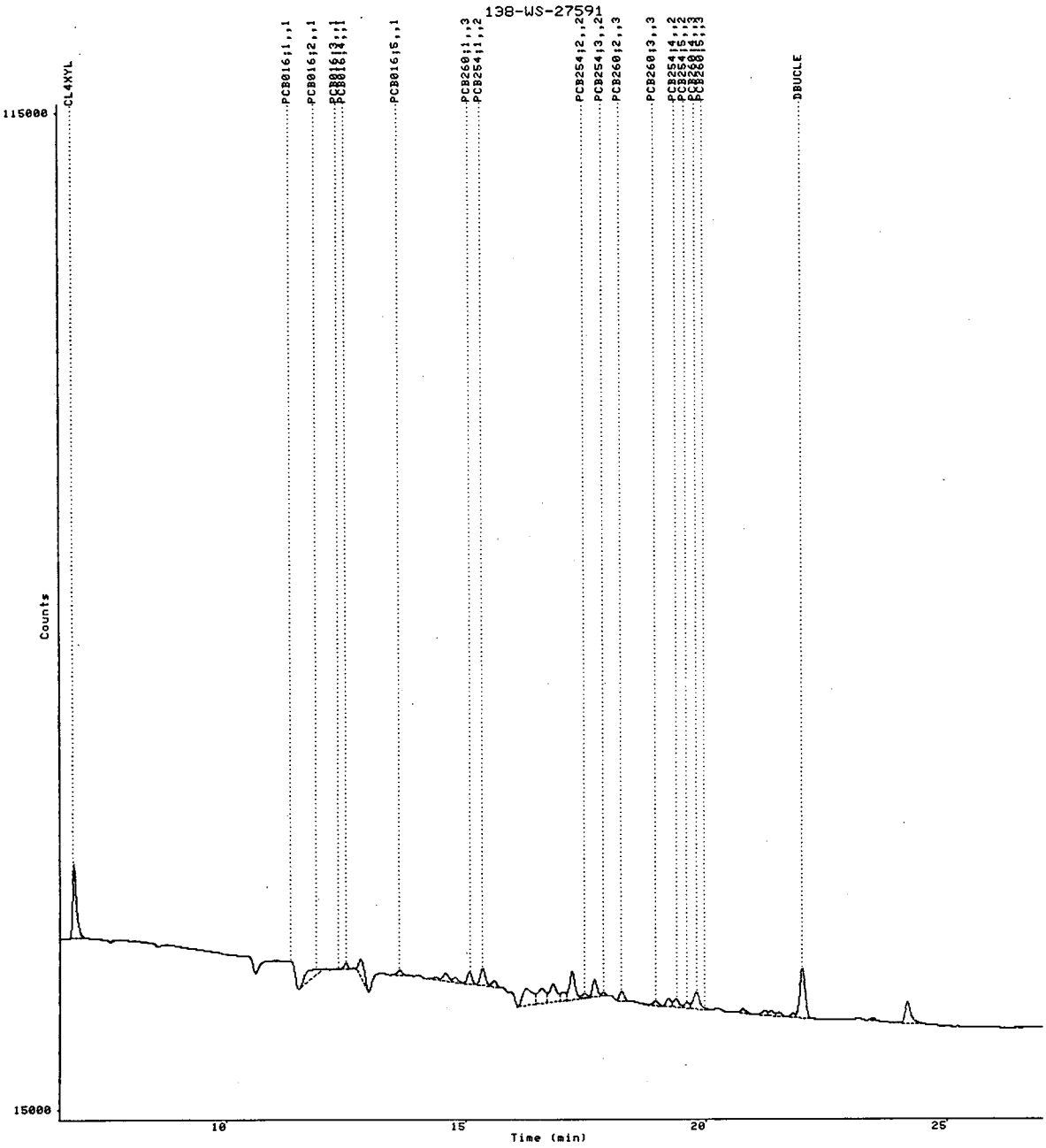
Data file: DISK:[TAYLORC]5697324006.RAW;1
Report: 1197258868
Acquired: 14-NOV-1997 01:25:46
Time range: 6.50-27.00



$1254_0.02

0195

Date..... 1-DEC-1997 16:58:50.31 User: TAYLORC
Report number.....1197258869
Raw file.....DISK:[TAYLORC]5697324007.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;14
Last method update.. 1-DEC-1997 16:58:57.02

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 02:02:29
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.10
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....83
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
18.96	PCB260;3	3		
19.60	PCB254;5	2		
19.96	PCB260;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.796	39088				
PCB016;1	11.373	1573				
PCB016;3	12.299	1264				
PCB016;4	12.490	2960				
PCB016;5	13.612	3394				
PCB260;1	15.067	6628				

PCB254;1	15.341	7548	2.0000E-02	3.774E+05
PCB254;2	17.464	1793	2.0000E-02	8.965E+04
PCB254;3	17.860	3291	2.0000E-02	1.646E+05
PCB260;2	18.232	4109		
PCB254;4	19.377	5316	2.0000E-02	2.658E+05
PCB260;4	19.750	28120		
DBUCLE	22.006	21791		

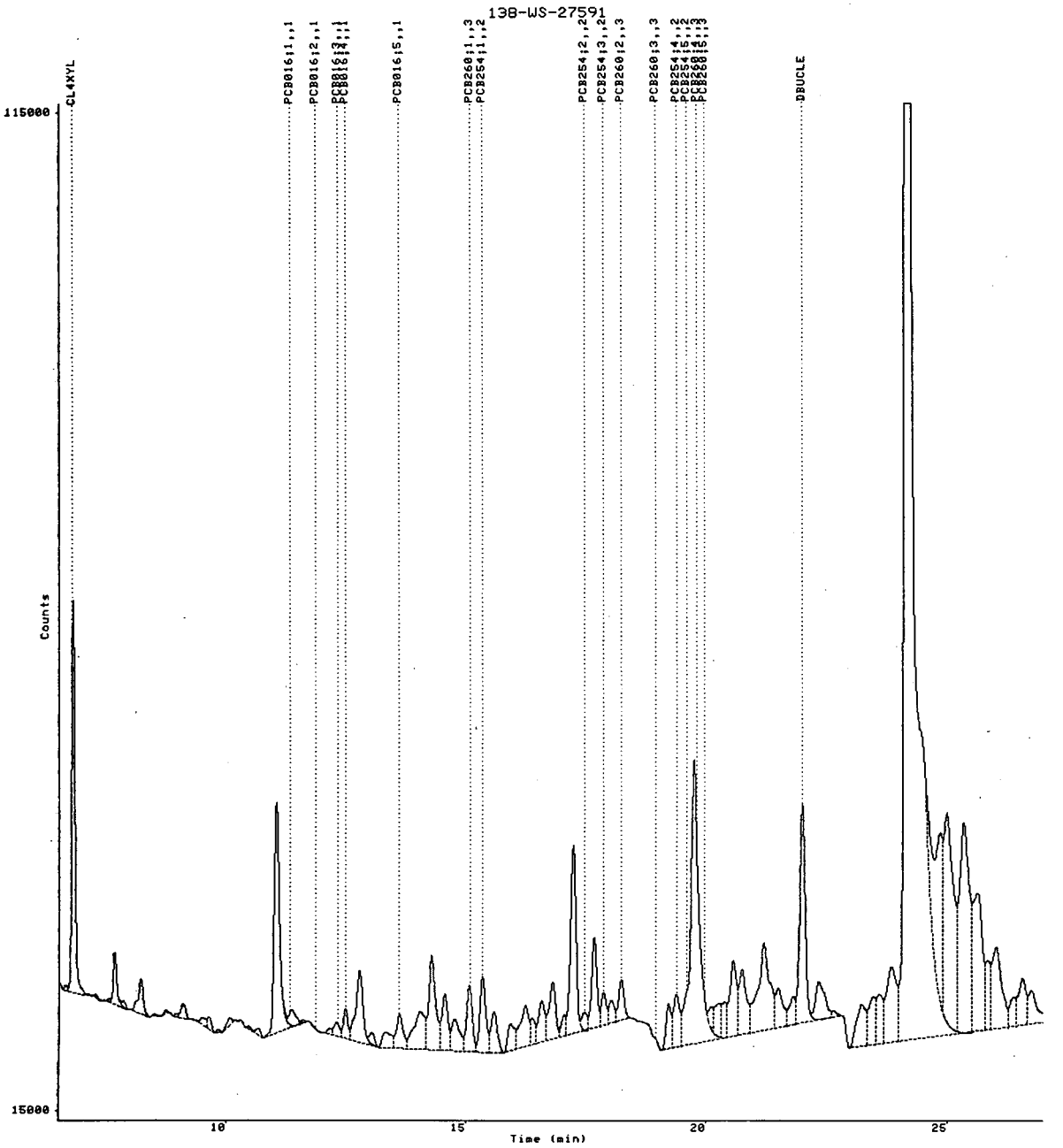
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	11.337	11.337				0
PCB016;3	12.341	12.341				0
PCB016;4	12.497	12.497				0
PCB016;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB254;1	15.349	15.349	3.774E+05	3.774E+05		1
PCB254;2	17.477	17.477	8.965E+04	8.965E+04		1
PCB254;3	17.864	17.864	1.646E+05	1.646E+05		1
PCB260;2	18.234	18.234				0
PCB254;4	19.392	19.392	2.658E+05	2.658E+05		1
PCB260;4	19.806	19.806				0
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324007.RAW;1
Report: 1197258869
Acquired: 14-NOV-1997 02:02:29
Time range: 6.50-27.00



0198

Date..... 1-DEC-1997 16:59:05.61 User: TAYLORC
Report number.....1197258870
Raw file.....DISK:[TAYLORC]5697324008.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;15
Last method update.. 1-DEC-1997 16:59:11.72

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 02:38:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.20
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....46
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.798	62645				
PCB016;1	11.335	300				
PCB016;4	12.496	5881				
PCB016;5	13.611	3885				
PCB260;1	15.072	11088				
PCB254;1	15.342	13658	4.0000E-02	3.414E+05		
PCB254;2	17.474	3347	4.0000E-02	8.368E+04		

PCB254;3	17.862	5818	4.0000E-02	1.454E+05
PCB260;2	18.240	7847		
PCB260;3	18.957	2990		
PCB254;4	19.372	6526	4.0000E-02	1.632E+05
PCB254;5	19.601	5196	4.0000E-02	1.299E+05
PCB260;4	19.799	12752		
DBUCLE	22.007	42557		

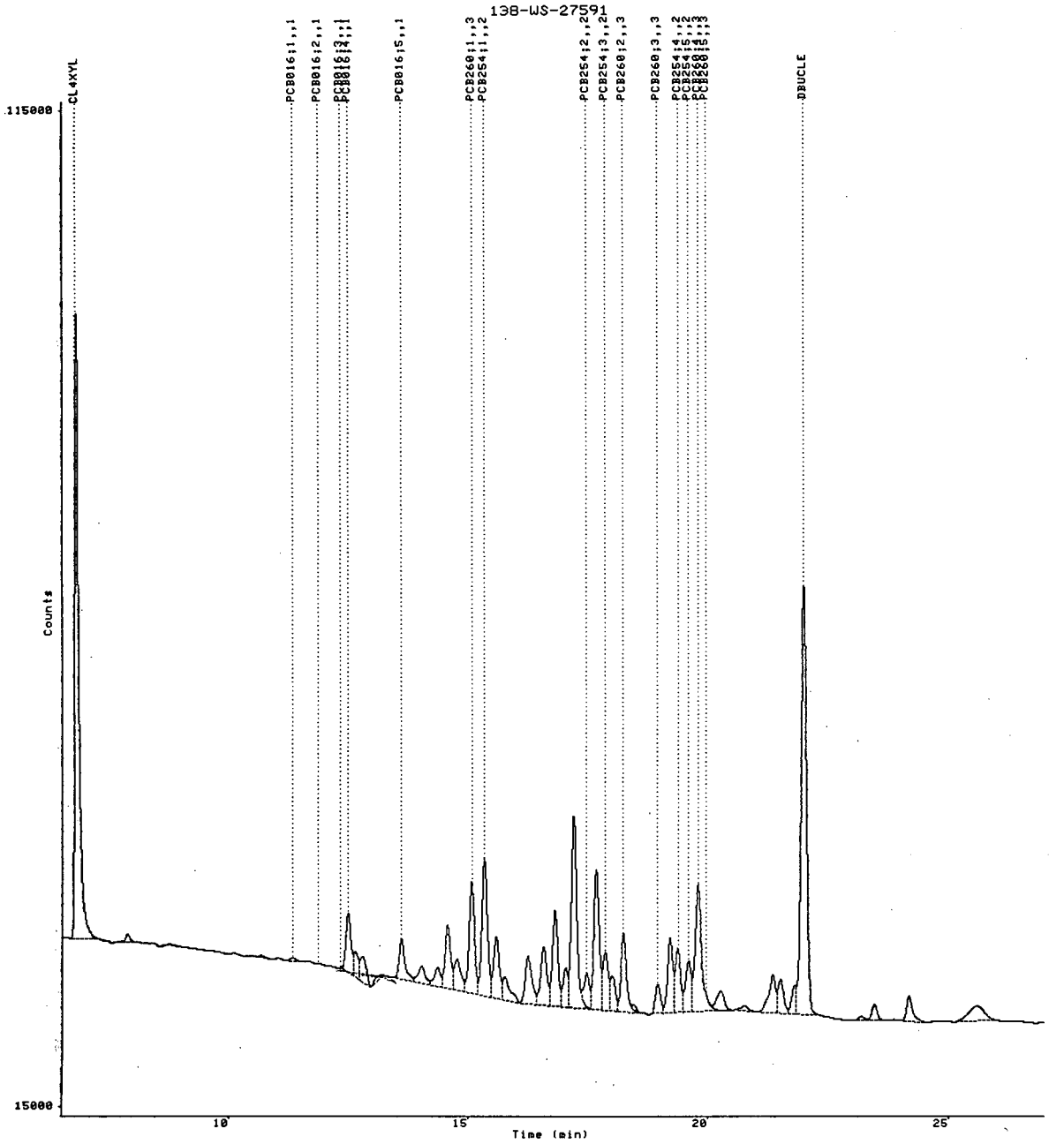
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	11.337	11.337				0
PCB016;4	12.497	12.497				0
PCB016;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB254;1	15.349	15.349	3.414E+05	3.414E+05		1
PCB254;2	17.477	17.477	8.368E+04	8.368E+04		1
PCB254;3	17.864	17.864	1.454E+05	1.454E+05		1
PCB260;2	18.234	18.234				0
PCB260;3	18.957	18.957				0
PCB254;4	19.392	19.392	1.632E+05	1.632E+05		1
PCB254;5	19.600	19.600	1.299E+05	1.299E+05		1
PCB260;4	19.806	19.806				0
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324008.RAW;1
Report: 1197258870
Acquired: 14-NOV-1997 02:38:55
Time range: 6.50-27.00



$1254_0.20

0201

Date..... 1-DEC-1997 16:59:20.32 User: TAYLORC
Report number.....1197258871
Raw file.....DISK:[TAYLORC]5697324009.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;16
Last method update.. 1-DEC-1997 16:59:27.06

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 03:15:38
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_1.0
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....56
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.797	293752				
PCB016;1	11.336	1829				
PCB016;2	11.885	471				
PCB016;4	12.495	28640				
PCB016;5	13.610	21315				
PCB260;1	15.071	50165				
PCB254;1	15.341	60704	0.20000	3.035E+05		
PCB254;2	17.475	18083	0.20000	9.042E+04		

PCB254;3	17.862	30893	0.20000	1.545E+05
PCB260;2	18.237	43477		
PCB260;3	18.954	16032		
PCB254;4	19.371	30842	0.20000	1.542E+05
PCB254;5	19.598	25279	0.20000	1.264E+05
PCB260;4	19.796	58878		
DBUCLE	22.006	200901		

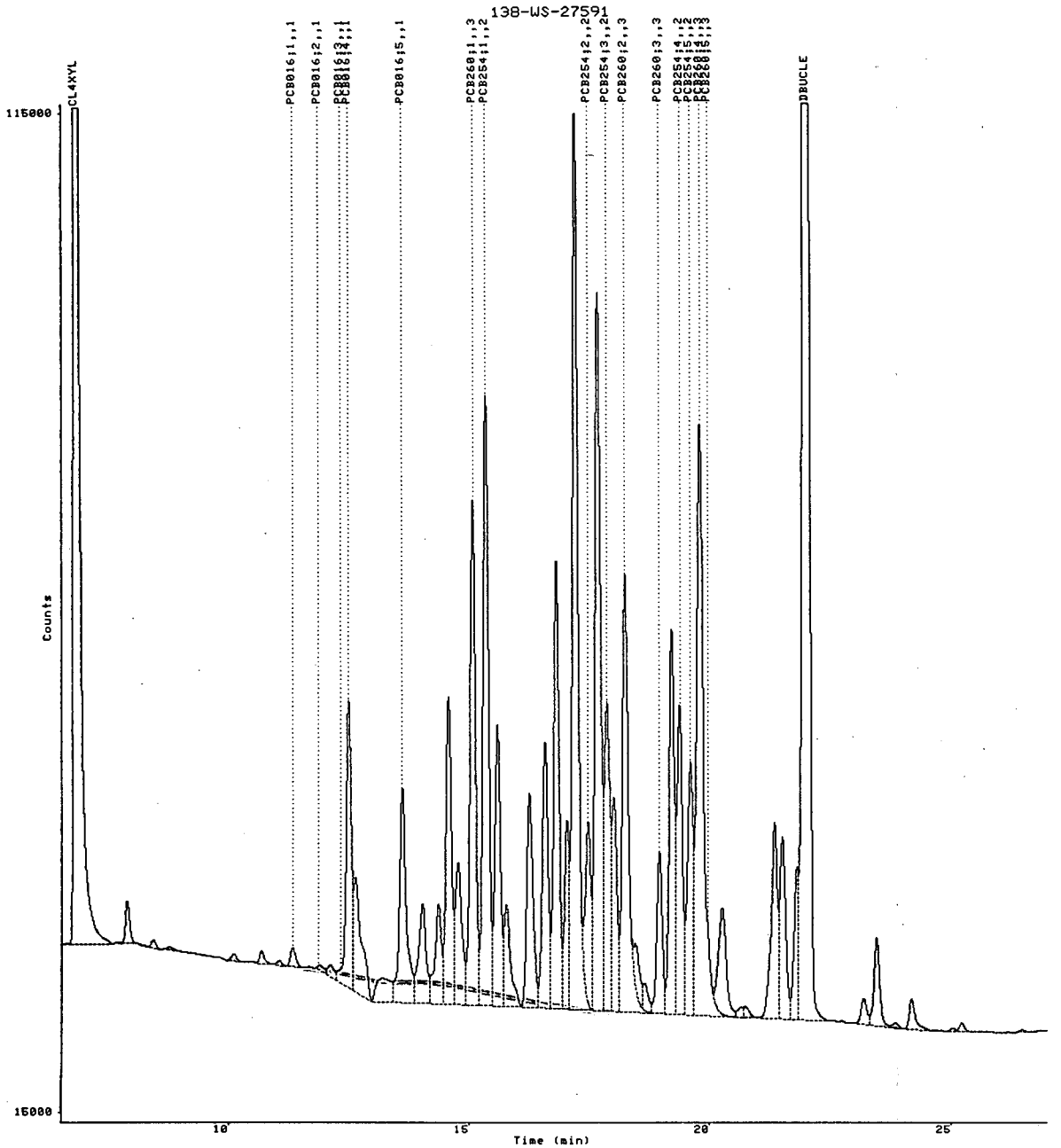
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	11.337	11.337				0
PCB016;2	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB016;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB254;1	15.349	15.349	3.035E+05	3.035E+05		1
PCB254;2	17.477	17.477	9.042E+04	9.042E+04		1
PCB254;3	17.864	17.864	1.545E+05	1.545E+05		1
PCB260;2	18.234	18.234				0
PCB260;3	18.957	18.957				0
PCB254;4	19.392	19.392	1.542E+05	1.542E+05		1
PCB254;5	19.600	19.600	1.264E+05	1.264E+05		1
PCB260;4	19.806	19.806				0
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324009.RAW;1
Report: 1197258871
Acquired: 14-NOV-1997 03:15:38
Time range: 6.50-27.00



0204

Date..... 1-DEC-1997 16:59:35.99 User: TAYLORC
Report number.....1197258872
Raw file.....DISK:[TAYLORC]5697324010.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;17
Last method update.. 1-DEC-1997 16:59:42.90

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 03:52:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_2.0
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....54
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.796	491602				
PCB016;1	11.335	3322				
PCB016;2	11.890	766				
PCB016;4	12.494	46531				
PCB016;5	13.608	33095				
PCB260;1	15.071	82145				
PCB254;1	15.339	100432	0.40000	2.511E+05		
PCB254;2	17.474	30038	0.40000	7.510E+04		

0205

PCB254;3	17.861	51515	0.40000	1.288E+05
PCB260;2	18.237	74084		
PCB260;3	18.953	27933		
PCB254;4	19.369	52213	0.40000	1.305E+05
PCB254;5	19.597	43575	0.40000	1.089E+05
PCB260;4	19.795	101462		
DBUCLE	22.006	347041		

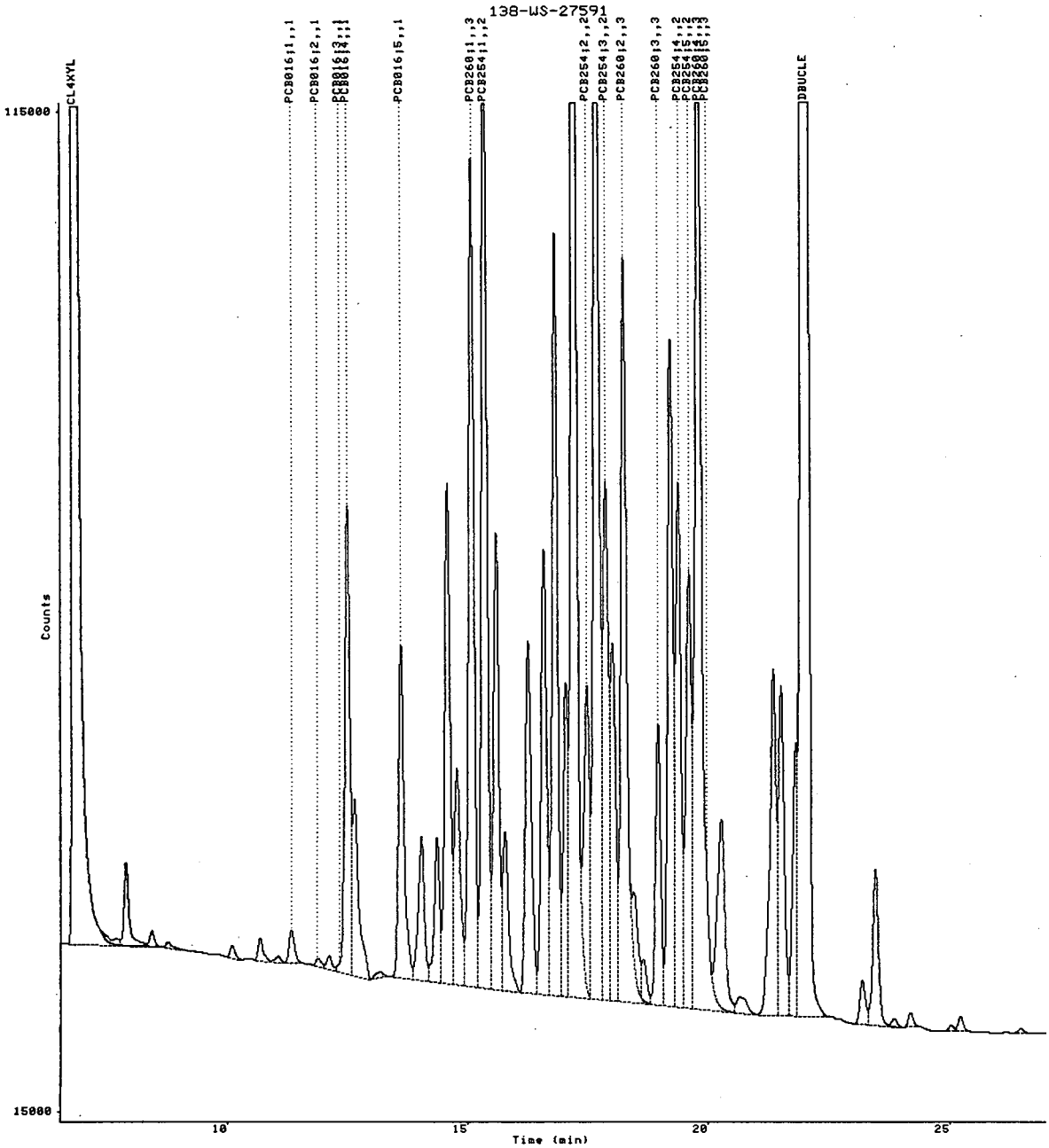
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	11.337	11.337				0
PCB016;2	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB016;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB254;1	15.349	15.349	2.511E+05	2.511E+05		1
PCB254;2	17.477	17.477	7.510E+04	7.510E+04		1
PCB254;3	17.864	17.864	1.288E+05	1.288E+05		1
PCB260;2	18.234	18.234				0
PCB260;3	18.957	18.957				0
PCB254;4	19.392	19.392	1.305E+05	1.305E+05		1
PCB254;5	19.600	19.600	1.089E+05	1.089E+05		1
PCB260;4	19.806	19.806				0
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324010.RAW;1
Report: 1197258872
Acquired: 14-NOV-1997 03:52:23
Time range: 6.50-27.00



#1254_2.0

0207

Date..... 1-DEC-1997 16:59:52.19 User: TAYLORC
Report number.....1197258873
Raw file.....DISK:[TAYLORC]5697324012.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;18
Last method update.. 1-DEC-1997 16:59:59.06

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....12

Acq. date.....14-NOV-1997 05:05:54
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.01
Notes.....138-WS-27588-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....48
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.01

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.800	3876	2.0000E-03	1.938E+06		
PCB016;1	11.339	1059	2.0000E-03	5.295E+05		
PCB016;2	11.870	428	2.0000E-03	2.140E+05		
PCB016;4	12.501	117	2.0000E-03	5.850E+04		
PCB016;5	13.599	388	2.0000E-03	1.940E+05		
PCB260;1	15.058	596	2.0000E-03	2.980E+05		
PCB254;1	15.341	264				
PCB254;2	17.460	373				
PCB254;3	17.871	832				

PCB260;2	18.241	1212	2.0000E-03	6.060E+05
PCB260;3	18.948	606	2.0000E-03	3.030E+05
PCB254;4	19.387	747		
PCB254;5	19.604	654		
PCB260;4	19.802	1290	2.0000E-03	6.450E+05
PCB260;5	19.965	2240	2.0000E-03	1.120E+06
DBUCLE	22.007	2954	2.0000E-03	1.477E+06

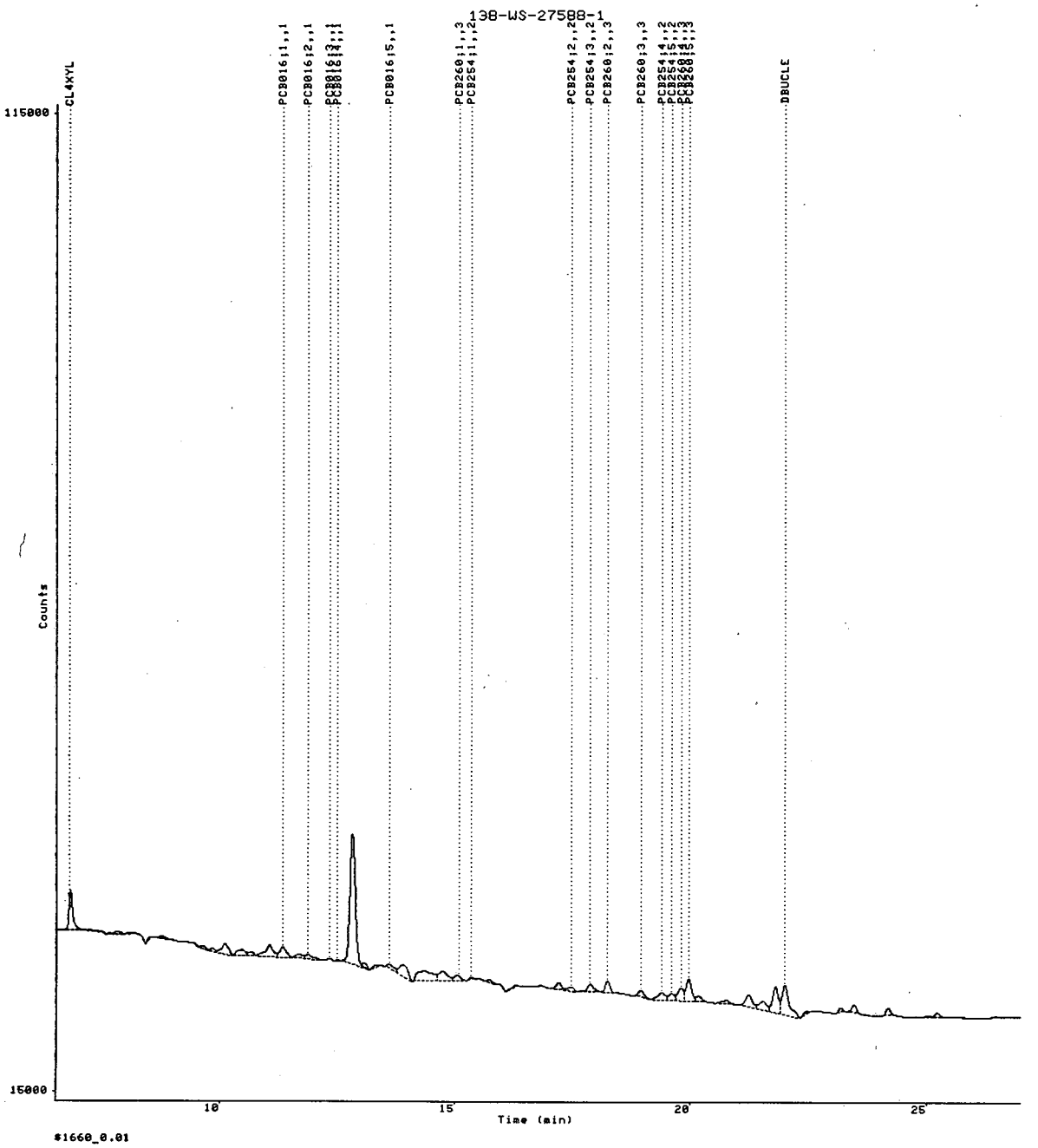
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.938E+06	1.938E+06		1
PCB016;1	11.337	11.337	5.295E+05	5.295E+05		1
PCB016;2	11.879	11.879	2.140E+05	2.140E+05		1
PCB016;4	12.497	12.497	5.850E+04	5.850E+04		1
PCB016;5	13.603	13.603	1.940E+05	1.940E+05		1
PCB260;1	15.075	15.075	2.980E+05	2.980E+05		1
PCB254;1	15.349	15.349				0
PCB254;2	17.477	17.477				0
PCB254;3	17.864	17.864				0
PCB260;2	18.234	18.234	6.060E+05	6.060E+05		1
PCB260;3	18.957	18.957	3.030E+05	3.030E+05		1
PCB254;4	19.392	19.392				0
PCB254;5	19.600	19.600				0
PCB260;4	19.806	19.806	6.450E+05	6.450E+05		1
PCB260;5	19.962	19.962	1.120E+06	1.120E+06		1
DBUCLE	22.012	22.012	1.477E+06	1.477E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324012.RAW;1
Report: 1197258873
Acquired: 14-NOV-1997 05:05:54
Time range: 6.50-27.00



24 1/8/98
~~021~~
0210

Date..... 1-DEC-1997 17:00:09.21 User: TAYLORC
Report number.....1197258874
Raw file.....DISK:[TAYLORC]5697324013.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;19
Last method update.. 1-DEC-1997 17:00:42.16

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....12

Acq. date.....14-NOV-1997 05:42:36
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.10
Notes.....138-WS-27590-4

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....50
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1660_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.799	31154	2.0000E-02	1.558E+06		
PCB016;1	11.343	8227	2.0000E-02	4.114E+05		
PCB016;2	11.895	2758	2.0000E-02	1.379E+05		
PCB016;3	12.350	2439	2.0000E-02	1.220E+05		
PCB016;4	12.494	2475	2.0000E-02	1.238E+05		
PCB016;5	13.609	3217	2.0000E-02	1.608E+05		
PCB260;1	15.070	2476	2.0000E-02	1.238E+05		
PCB254;1	15.345	2683				
PCB254;2	17.476	2374				
PCB254;3	17.870	6400				
PCB260;2	18.241	9892	2.0000E-02	4.946E+05		
PCB260;3	18.958	4114	2.0000E-02	2.057E+05		
PCB254;4	19.392	4513				
PCB254;5	19.605	4697				
PCB260;4	19.800	8013	2.0000E-02	4.006E+05		
PCB260;5	19.949	8636	2.0000E-02	4.318E+05		

0211

DBUCLE	22.006	21698	2.0000E-02	1.085E+06

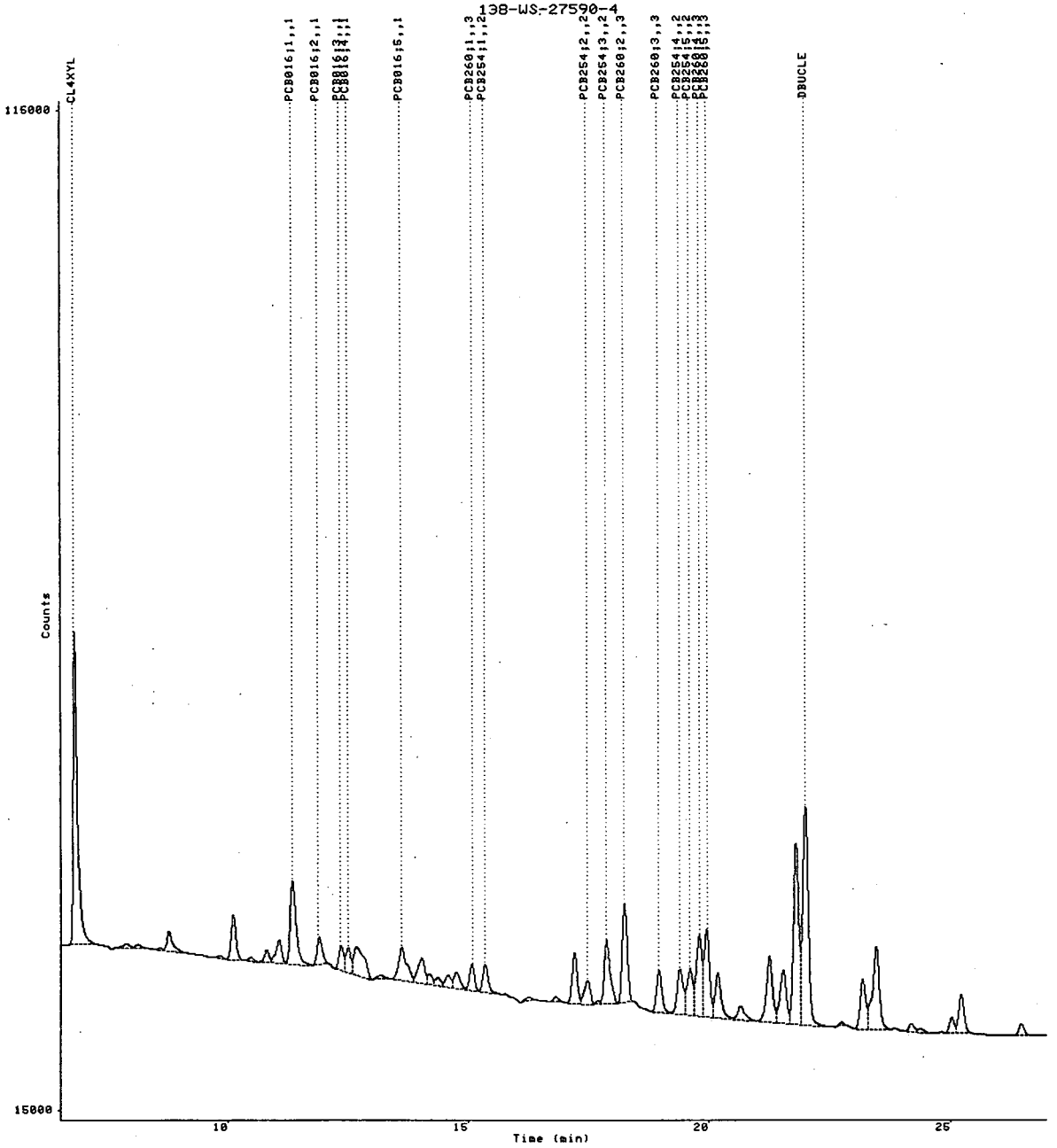
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.558E+06	1.558E+06		1
PCB016;1	11.337	11.337	4.114E+05	4.114E+05		1
PCB016;2	11.879	11.879	1.379E+05	1.379E+05		1
PCB016;3	12.341	12.341	1.220E+05	1.220E+05		1
PCB016;4	12.497	12.497	1.238E+05	1.238E+05		1
PCB016;5	13.603	13.603	1.608E+05	1.608E+05		1
PCB260;1	15.075	15.075	1.238E+05	1.238E+05		1
PCB254;1	15.349	15.349				0
PCB254;2	17.477	17.477				0
PCB254;3	17.864	17.864				0
PCB260;2	18.234	18.234	4.946E+05	4.946E+05		1
PCB260;3	18.957	18.957	2.057E+05	2.057E+05		1
PCB254;4	19.392	19.392				0
PCB254;5	19.600	19.600				0
PCB260;4	19.806	19.806	4.006E+05	4.006E+05		1
PCB260;5	19.962	19.962	4.318E+05	4.318E+05		1
DBUCLE	22.012	22.012	1.085E+06	1.085E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324013.RAW;1
Report: 1197258874
Acquired: 14-NOV-1997 05:42:36
Time range: 6.50-27.00



$1660_0.10

0213

Date..... 1-DEC-1997 17:00:57.78 User: TAYLORC
Report number.....1197258878
Raw file.....DISK:[TAYLORC]5697324014.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;20
Last method update.. 1-DEC-1997 17:01:04.23

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....12

Acq. date.....14-NOV-1997 06:19:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.20
Notes.....138-WS-27590-3

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....55
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1660_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	6.799	58744	4.0000E-02	1.469E+06	
PCB016;1	11.342	15617	4.0000E-02	3.904E+05	
PCB016;2	11.895	5382	4.0000E-02	1.346E+05	
PCB016;3	12.350	4786	4.0000E-02	1.196E+05	
PCB016;4	12.495	4710	4.0000E-02	1.178E+05	
PCB016;5	13.609	6816	4.0000E-02	1.704E+05	
PCB260;1	15.071	5919	4.0000E-02	1.480E+05	
PCB254;1	15.343	6261			
PCB254;2	17.476	4371			
PCB254;3	17.869	11882			
PCB260;2	18.239	18391	4.0000E-02	4.598E+05	
PCB260;3	18.958	7833	4.0000E-02	1.958E+05	
PCB254;4	19.391	8479			
PCB254;5	19.604	8984			
PCB260;4	19.798	15034	4.0000E-02	3.758E+05	
PCB260;5	19.948	16145	4.0000E-02	4.036E+05	

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DBUCLE	22.006	41468	4.0000E-02	1.037E+06

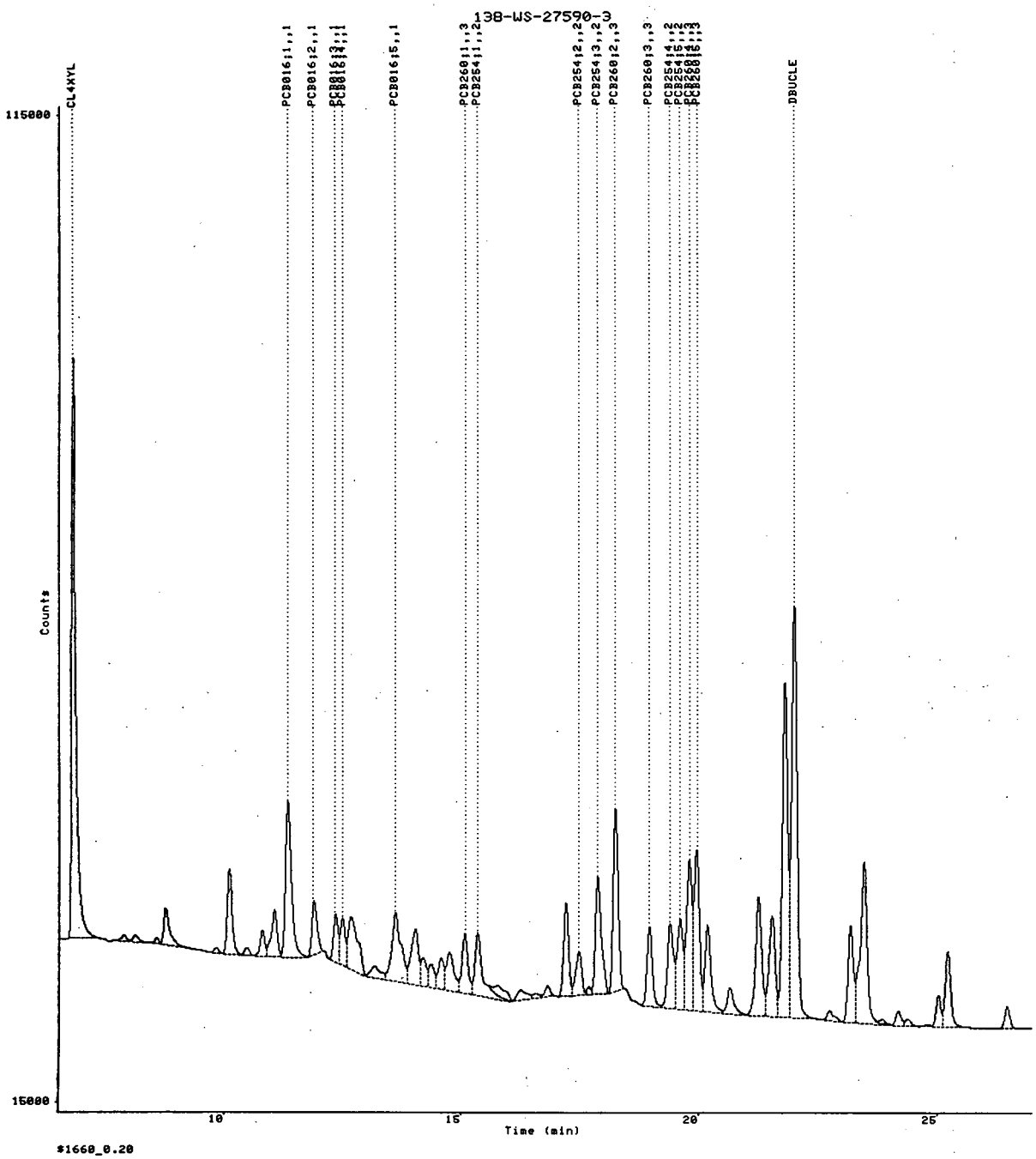
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.469E+06	1.469E+06		1
PCB016;1	11.337	11.337	3.904E+05	3.904E+05		1
PCB016;2	11.879	11.879	1.346E+05	1.346E+05		1
PCB016;3	12.341	12.341	1.196E+05	1.196E+05		1
PCB016;4	12.497	12.497	1.178E+05	1.178E+05		1
PCB016;5	13.603	13.603	1.704E+05	1.704E+05		1
PCB260;1	15.075	15.075	1.480E+05	1.480E+05		1
PCB254;1	15.349	15.349				0
PCB254;2	17.477	17.477				0
PCB254;3	17.864	17.864				0
PCB260;2	18.234	18.234	4.598E+05	4.598E+05		1
PCB260;3	18.957	18.957	1.958E+05	1.958E+05		1
PCB254;4	19.392	19.392				0
PCB254;5	19.600	19.600				0
PCB260;4	19.806	19.806	3.758E+05	3.758E+05		1
PCB260;5	19.962	19.962	4.036E+05	4.036E+05		1
DBUCLE	22.012	22.012	1.037E+06	1.037E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324014.RAW;1
Report: 1197258878
Acquired: 14-NOV-1997 06:19:23
Time range: 6.50-27.00



0216

Date..... 1-DEC-1997 17:01:13.14 User: TAYLORC
Report number.....1197258879
Raw file.....DISK:[TAYLORC]5697324015.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;21
Last method update.. 1-DEC-1997 17:01:19.71

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....14

Acq. date.....14-NOV-1997 06:56:05
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_1.0
Notes.....138-WS-27590-2

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....65
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1660_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	6.797	266553	0.20000	1.333E+06	
PCB016;1	11.331	75357	0.20000	3.768E+05	
PCB016;2	11.884	30595	0.20000	1.530E+05	
PCB016;3	12.339	26575	0.20000	1.329E+05	
PCB016;4	12.491	20557	0.20000	1.028E+05	
PCB016;5	13.603	26913	0.20000	1.346E+05	
PCB260;1	15.067	21717	0.20000	1.086E+05	
PCB254;1	15.337	24211			
PCB254;2	17.472	22180			
PCB254;3	17.865	56496			
PCB260;2	18.234	92910	0.20000	4.646E+05	
PCB260;3	18.950	41641	0.20000	2.082E+05	
PCB254;4	19.386	39824			
PCB254;5	19.597	46168			
PCB260;4	19.793	72349	0.20000	3.617E+05	
PCB260;5	19.946	75199	0.20000	3.760E+05	

DBUCLE	22.005	195086	0.20000	9.754E+05

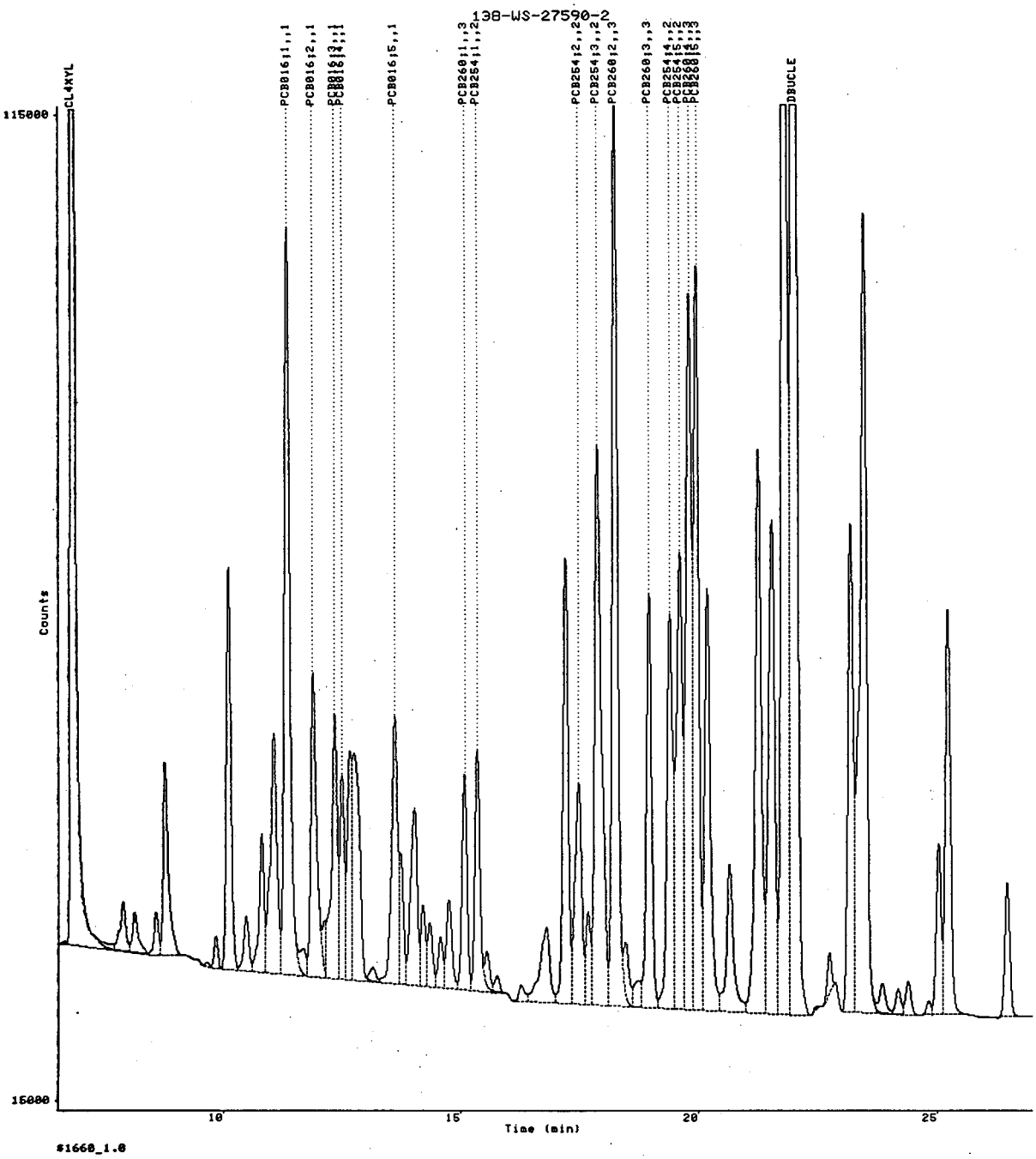
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.333E+06	1.333E+06		1
PCB016;1	11.337	11.337	3.768E+05	3.768E+05		1
PCB016;2	11.879	11.879	1.530E+05	1.530E+05		1
PCB016;3	12.341	12.341	1.329E+05	1.329E+05		1
PCB016;4	12.497	12.497	1.028E+05	1.028E+05		1
PCB016;5	13.603	13.603	1.346E+05	1.346E+05		1
PCB260;1	15.075	15.075	1.086E+05	1.086E+05		1
PCB254;1	15.349	15.349				0
PCB254;2	17.477	17.477				0
PCB254;3	17.864	17.864				0
PCB260;2	18.234	18.234	4.646E+05	4.646E+05		1
PCB260;3	18.957	18.957	2.082E+05	2.082E+05		1
PCB254;4	19.392	19.392				0
PCB254;5	19.600	19.600				0
PCB260;4	19.806	19.806	3.617E+05	3.617E+05		1
PCB260;5	19.962	19.962	3.760E+05	3.760E+05		1
DBUCLE	22.012	22.012	9.754E+05	9.754E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324015.RAW;1
Report: 1197258879
Acquired: 14-NOV-1997 06:56:05
Time range: 6.50-27.00



#1660_1.0

0219

Date..... 1-DEC-1997 17:01:28.73 User: TAYLORC
Report number.....1197258880
Raw file.....DISK:[TAYLORC]5697324016.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;22
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....14

Acq. date.....14-NOV-1997 07:32:51
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_2.0
Notes.....138-WS-27590-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....66
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1660_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	6.796	477923	0.40000	1.195E+06	
PCB016;1	11.332	130942	0.40000	3.274E+05	
PCB016;2	11.884	55074	0.40000	1.377E+05	
PCB016;3	12.339	48900	0.40000	1.222E+05	
PCB016;4	12.490	38449	0.40000	9.612E+04	
PCB016;5	13.602	50589	0.40000	1.265E+05	
PCB260;1	15.067	41715	0.40000	1.043E+05	
PCB254;1	15.338	43894			
PCB254;2	17.472	37426			
PCB254;3	17.865	93972			
PCB260;2	18.235	153373	0.40000	3.834E+05	
PCB260;3	18.952	69890	0.40000	1.747E+05	
PCB254;4	19.386	65562			
PCB254;5	19.598	76488			
PCB260;4	19.793	119945	0.40000	2.999E+05	
PCB260;5	19.945	124665	0.40000	3.117E+05	

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DBUCLE	22.005	338384	0.40000	8.460E+05

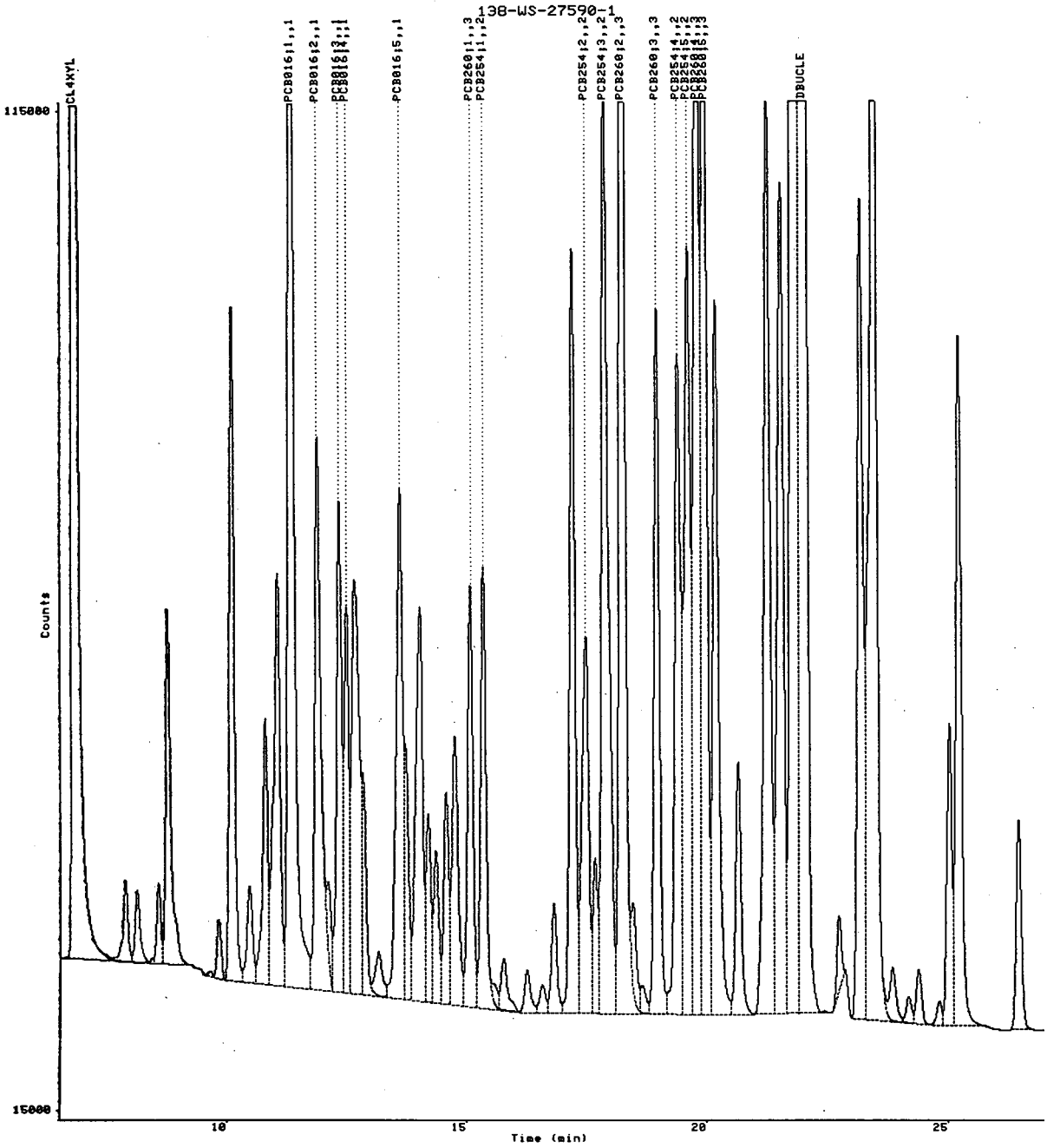
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.195E+06	1.195E+06		1
PCB016;1	11.337	11.337	3.274E+05	3.274E+05		1
PCB016;2	11.879	11.879	1.377E+05	1.377E+05		1
PCB016;3	12.341	12.341	1.222E+05	1.222E+05		1
PCB016;4	12.497	12.497	9.612E+04	9.612E+04		1
PCB016;5	13.603	13.603	1.265E+05	1.265E+05		1
PCB260;1	15.075	15.075	1.043E+05	1.043E+05		1
PCB254;1	15.349	15.349				0
PCB254;2	17.477	17.477				0
PCB254;3	17.864	17.864				0
PCB260;2	18.234	18.234	3.834E+05	3.834E+05		1
PCB260;3	18.957	18.957	1.747E+05	1.747E+05		1
PCB254;4	19.392	19.392				0
PCB254;5	19.600	19.600				0
PCB260;4	19.806	19.806	2.999E+05	2.999E+05		1
PCB260;5	19.962	19.962	3.117E+05	3.117E+05		1
DBUCLE	22.012	22.012	8.460E+05	8.460E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324016.RAW;1
Report: 1197258880
Acquired: 14-NOV-1997 07:32:51
Time range: 6.50-27.00



#1660_2.0

0222

Date..... 1-DEC-1997 17:02:21.39 User: TAYLORC
Report number.....1197258882
Raw file.....DISK:[TAYLORC]5697324002.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....11

Acq. date.....13-NOV-1997 22:58:46
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB221_2.0
Notes.....138-WS-27569-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....54
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.795	-1.38	0.4936 +	556125			BE	
	7.789			5691			EV	
	7.873			11135			EV	
	8.110			28250			VE	
	8.422			1884			EV	
	8.565			18910			VV	
	8.757			56104			VE	
	8.929			9706			EB	

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	9.804			4017	BV	
	10.086			10595	VB	
	10.480			1011	BV	
	10.692			2800	VV	
	10.797			2102	VV	
	11.058			6046	VV	
PCB016;1	11.340	-0.16	0.03106	12750	VB	1
PCB016;2	11.895	-0.94	0.03725	5578	BV	1
PCB016;3	12.348	-0.40	0.03807	4954	VV	1
PCB016;4	12.491	0.37	0.02493	2792	VV	1
	12.796			6135	VB	
	13.117			624	BB	
PCB016;5	13.592	0.66	0.01499	2397	BV	1
	14.013			1118	VV	
	14.204			407	VV	
	14.361			1055	VV	
	14.575			2301	VV	
	14.768			2213	VV	
PCB260;1	15.075	0.03	0.02066	2799	VV	3
PCB254;1	15.345	0.23	8.864E-03	3359	VV	2
	15.585			1252	VV	
	15.767			1662	VB	
	16.257			1478	BV	
	16.578			1501	VV	
	16.813			2227	VV	
	17.041			760	VV	
	17.210			4206	VB	
PCB254;2	17.479	-0.15	4.975E-03	499	BB	2
	17.681			2222	BV	
PCB254;3	17.872	-0.51	7.221E-03	932	VB	2
PCB260;2	18.245	-0.65	3.256E-03	1745	BB	3
PCB260;3	18.953	0.25	3.258E-03	795	BB	3
	19.219			1112	BV	
PCB254;4	19.381	0.65	6.239E-03	1349	VV	2
PCB254;5	19.632	-1.90	0.01158	1552	VV	2
PCB260;4	19.808	-0.14	5.950E-03	2763	VE	3
	20.187			330	EB	
	20.765			1478	BV	
	21.232			1139	VV	
	21.529			476	VB	
DBUCLE	22.012	-0.02	0.4601 +	374556	BB	
	23.193			299	BB	
	23.476			363	BB	
	24.200			2236	BB	
	25.238			147	BB	
	29.911			232	BB	

GROUP REPORT

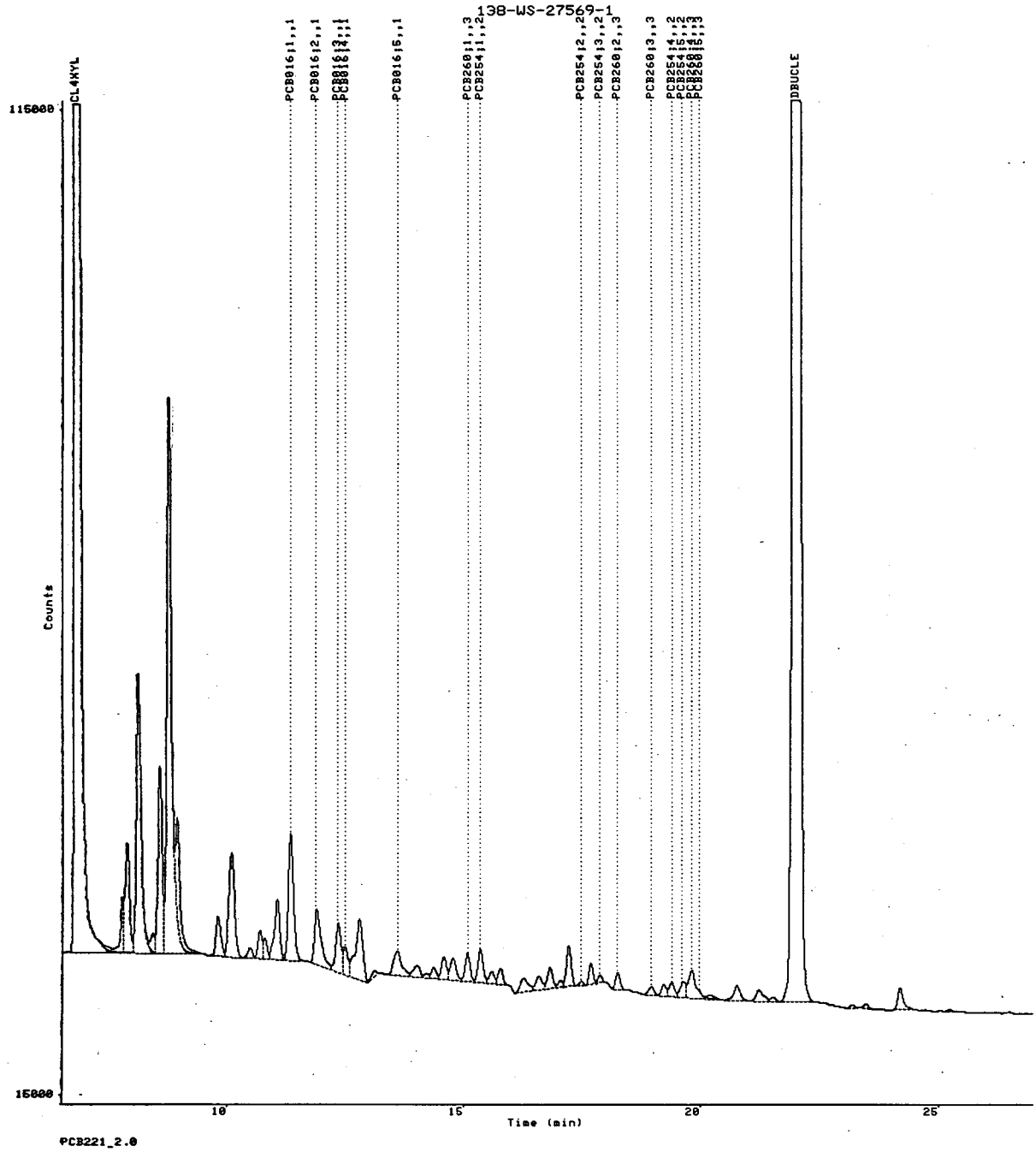
Group	UG/ML
1	0.1463
2	3.888E-02
3	3.312E-02

ANALYSIS NOTES

0224

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324002.RAW;1
Report: 1197258882
Acquired: 13-NOV-1997 22:58:46
Time range: 6.50-27.00



0226

Date..... 1-DEC-1997 17:02:34.69 User: TAYLORC
Report number.....1197258883
Raw file.....DISK:[TAYLORC]5697324003.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....11

Acq. date.....13-NOV-1997 23:35:29
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB232_2.0
Notes.....138-WS-27570-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....59
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.795	-1.36	0.3682	447911			BE	
	7.622			546			EV	
	7.872			8226			EV	
	8.109			13465			EB	
	8.564			10290			BV	
	8.756			36504			VE	
	8.927			4191			EB	
	9.645			637			BV	

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	9.823			3724	VB	
	10.099			33102	BB	
	10.469			4635	BV	
	10.801			11319	VV	
	11.054			22452	VV	
PCB016;1	11.332	0.31	0.1628	61592	VV	1
PCB016;2	11.885	-0.36	0.1768	25649	VE	1
	12.105			2686	EV	
PCB016;3	12.340	0.06	0.1696	21704	VV	1
PCB016;4	12.492	0.27	0.1403	15309	VV	1
	12.781			26773	VE	
	13.080			1228	EB	
PCB016;5	13.602	0.04	0.1011	14888	BB	1
	13.897			8866	BB	
	14.200			3822	BV	
	14.356			10006	VV	
	14.567			19827	VV	
	14.762			25418	VV	
PCB260;1	15.070	0.32	0.03612	4593	VB	3
PCB254;1	15.340	0.55	0.01608	5864	BV	2
	15.578			3276	VV	
	15.762			25058	VB	
	16.277			2479	BV	
	16.576			4104	VV	
	16.809			4994	VV	
	17.046			4293	VV	
	17.205			7990	VE	
PCB254;2	17.470	0.39	0.01438	1387	EV	2
	17.677			5327	VV	
PCB254;3	17.865	-0.07	0.01029	1459	VV	2
	18.032			2382	VV	
PCB260;2	18.241	-0.45	3.213E-03	1723	VB	3
PCB260;3	18.912	2.70	6.239E-03	1444	BB	3
	19.210			3797	BE	
PCB254;4	19.377	0.91	1.871E-03-	569	EB	2
PCB254;5	19.628	-1.71	4.508E-03	569	BV	2
PCB260;4	19.812	-0.35	2.023E-03-	1203	VB	3
	20.166			544	BB	
	20.403			51	BB	
	20.761			1530	BV	
	21.224			3548	VV	
	21.538			1538	VV	
DBUCLE	22.009	0.21	0.3330	295225	VB	
	22.559			559	BB	
	23.196			1189	BV	
	23.476			1519	VB	
	24.195			1647	BB	
	25.034			293	BV	
	25.233			663	VB	
	26.490			160	BB	
	29.903			134	BB	

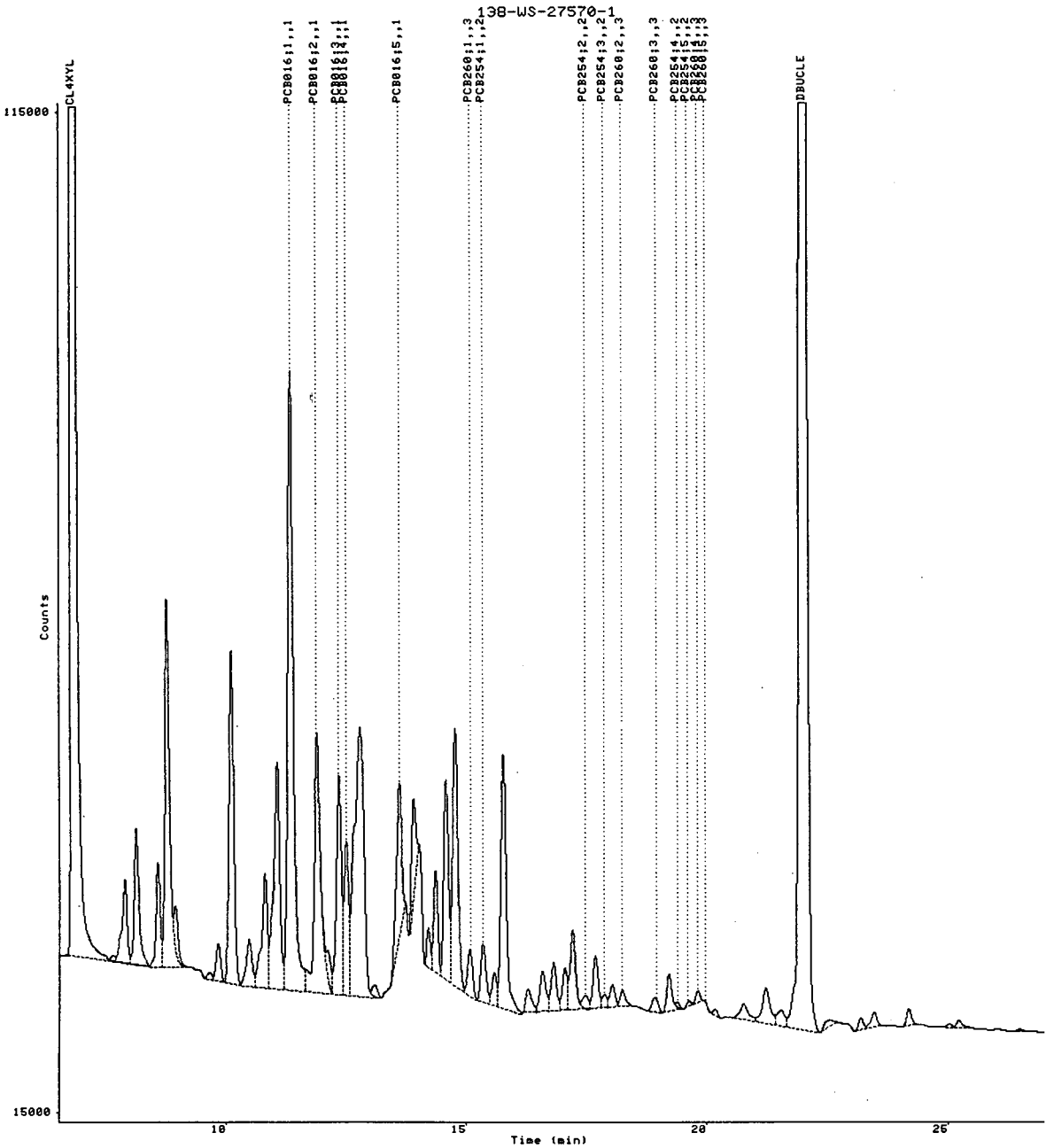
GROUP REPORT

Group	UG/ML
1	0.7507
2	4.713E-02
3	4.759E-02

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324003.RAW;1
Report: 1197258883
Acquired: 13-NOV-1997 23:35:29
Time range: 6.50-27.00



PCB232_2.0

0230

Date..... 1-DEC-1997 17:02:47.83 User: TAYLORC
Report number.....1197258884
Raw file.....DISK:[TAYLORC]5697324004.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....11

Acq. date.....14-NOV-1997 00:12:15
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB242_2.0
Notes.....138-WS-27571-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.60	PCB254;5	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.628			1271			BV	
CL4XYL	6.795	-1.35	0.2504	325928			VE	
	7.254			592			EB	
	7.671			17399			BV	
	7.869			6616			VV	
	8.113			4917			VV	
	8.221			14001			VB	
	8.427			193			BV	

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	8.560			5093	VV	
	8.753			22790	VE	
	9.108			686	EB	
	9.520			385	BV	
	9.645			1026	VB	
	9.827			2804	BB	
	10.097			38122	BE	
	10.469			4577	EV	
	10.797			11626	VV	
	11.053			45937	VV	
PCB016;1	11.327	0.60	0.1838	68691	VE	1
	11.698			2278	EV	
PCB016;2	11.880	-0.05	0.1905	27564	VE	1
	12.124			3241	EV	
PCB016;3	12.334	0.41	0.1849	23606	VV	1
PCB016;4	12.490	0.41	0.1467	15960	VV	1
	12.672			18214	VE	
	13.063			468	EV	
	13.160			530	EB	
	13.316			365	BV	
PCB016;5	13.601	0.12	0.1576	22512	VV	1
	13.723			10792	VV	
	14.021			18762	VV	
	14.193			8972	VV	
	14.349			16737	VV	
	14.561			26480	VV	
	14.757			31023	VV	
PCB260;1	15.067	0.50	0.04952	6133	VB	3
PCB254;1	15.339	0.60	0.02176	7817	BV	2
	15.575			4827	VV	
	15.756			27958	VE	
	16.243			4169	EV	
	16.574			5038	VV	
	16.800			6311	VV	
	17.041			5787	VV	
	17.246			62616	VE	
PCB254;2	17.452	1.51	9.613E-03	938	EV	2
	17.669			9091	VE	
PCB254;3	17.857	0.43	6.022E-03	726	EV	2
	18.029			3507	VE	
PCB260;2	18.227	0.40	1.274E-03-	737	EV	3
	18.346			854	EV	
	18.543			277	VB	
PCB260;3	18.857	6.01	4.382E-03	1040	BB	3
	19.214			6657	BV	
PCB254;4	19.379	0.76	0.01269	2493	VV	2
PCB260;4	19.824	-1.06	0.02529	10332	VE	3
PCB260;5	20.093	-7.86	-3.681E-04-	1056	EV	3
	20.398			1821	EV	
	20.583			2294	VV	
	20.757			3019	VV	
	21.205			5407	VB	
DBUCLE	22.008	0.25	0.2175	207280	BE	
	22.343			2684	EB	
	23.240			3139	BV	
	23.611			3515	VV	
	23.856			6005	VV	
	24.190			53203	VV	
	24.502			14568	VV	
	24.863			14739	VV	

25.011	17463	VV
25.373	19936	VV
25.651	12468	VV
25.853	6541	VV
26.024	7575	VV
26.382	1977	VV
26.579	3373	VV
26.768	2009	VB
27.304	248	BB
27.613	445	BB
28.041	357	BB
28.871	539	BV
29.015	420	VB
29.433	810	BB
29.878	239	BB
30.326	1836	BB

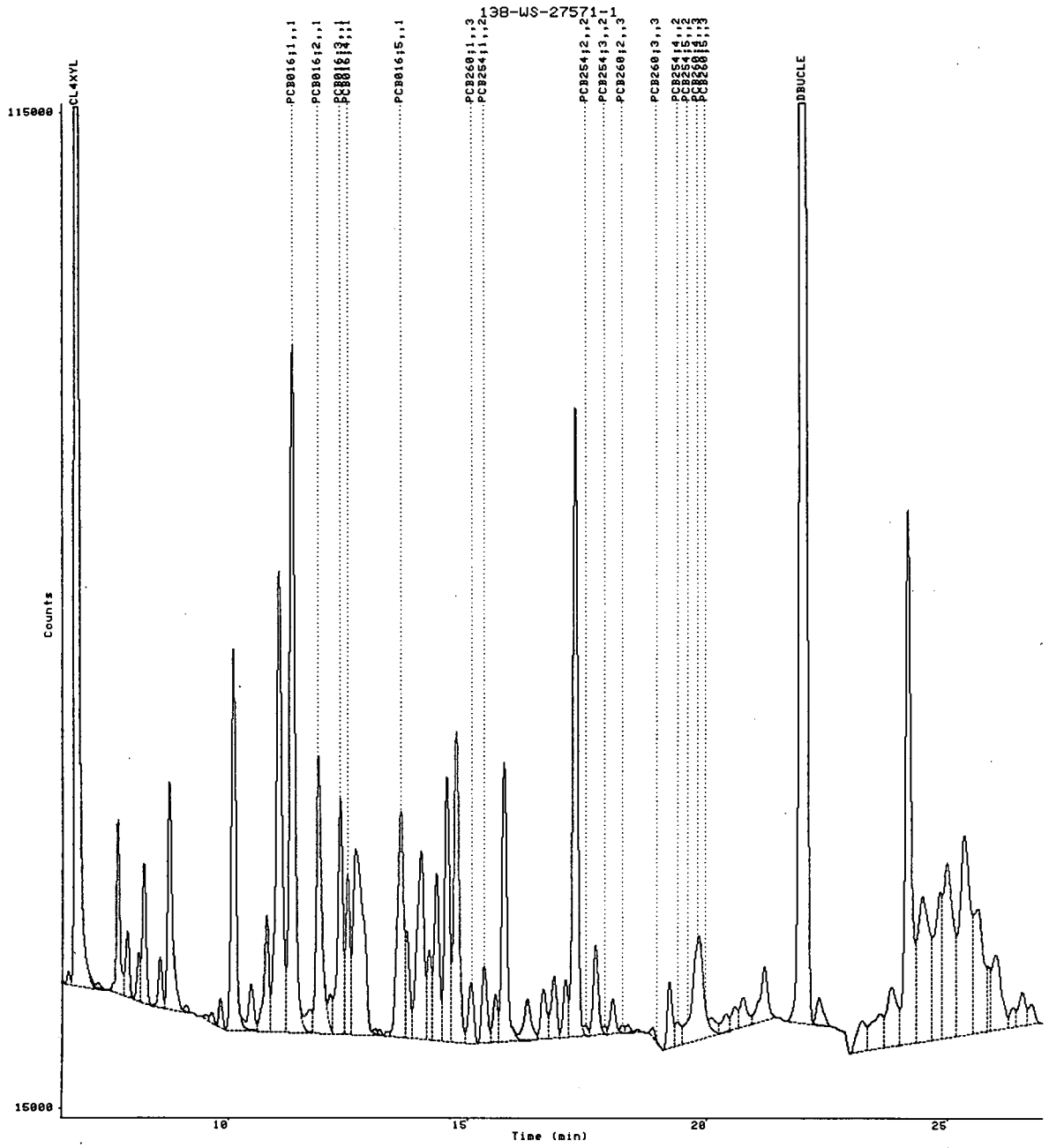
GROUP REPORT

Group	UG/ML
1	0.8634
2	5.009E-02
3	8.010E-02

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324004.RAW;1
Report: 1197258884
Acquired: 14-NOV-1997 00:12:15
Time range: 6.50-27.00



PCB242_2.0

0234

Date..... 1-DEC-1997 17:03:02.39 User: TAYLORC
Report number.....1197258885
Raw file.....DISK:[TAYLORC]5697324005.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....11

Acq. date.....14-NOV-1997 00:49:00
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB248_2.0
Notes.....138-WS-27572-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.39	PCB254;4	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.617			125			BV	
CL4XYL	6.796	-1.44	0.2283	300777			VB	
	7.673			87			BB	
	7.876			4317			BB	
	8.423			769			BB	
	8.762			1444			BB	
	9.828			751			BB	
	10.102			19589			BE	

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	10.461			1378	EV	
	10.801			8984	VV	
	11.056			8282	VV	
PCB016;1	11.335	0.13	0.1611	60992	VV	1
PCB016;2	11.887	-0.51	0.1200	17589	VV	1
	12.114			6662	VV	
PCB016;3	12.343	-0.10	0.1299	16713	VV	1
PCB016;4	12.493	0.23	0.3016	30376	VV	1
	12.670			33135	VV	
	12.839			13998	VB	
	13.173			3650	BB	
PCB016;5	13.606	-0.21	0.1951	27324	BB	1
	14.024			30947	BV	
	14.198			9413	VV	
	14.356			30258	VV	
	14.567			45964	VV	
	14.764			55739	VE	
PCB260;1	15.070	0.30	0.1044	12289	EV	3
PCB254;1	15.343	0.39	0.04871	16856	VV	2
	15.585			11399	VV	
	15.764			52738	VB	
	16.250			8317	BV	
	16.577			10642	VV	
	16.809			13449	VV	
	17.039			13338	VV	
	17.205			24749	VE	
PCB254;2	17.472	0.33	0.03091	2927	EV	2
	17.674			21480	VE	
PCB254;3	17.785	4.74	3.967E-03-	372	EV	2
	18.030			7090	VV	
PCB260;2	18.243	-0.55	8.614E-03	4457	VB	3
PCB260;3	18.959	-0.09	7.556E-03	1730	BV	3
	19.212			17434	VE	
PCB254;5	19.607	-0.44	0.02017	2736	EV	2
PCB260;4	19.799	0.44	0.01426	6037	VV	3
PCB260;5	19.943	1.11	4.468E-03	3013	VV	3
	20.188			1756	VV	
	20.757			1019	VB	
	21.256			2447	BV	
	21.534			2462	VV	
	21.823			9128	VV	
DBUCLE	22.008	0.23	0.2333	220223	VB	
	23.197			2305	BV	
	23.476			4686	VB	
	24.198			3611	BB	
	25.038			909	BV	
	25.234			3054	VE	
	25.628			547	EB	
	26.484			550	BB	
	30.245			3023	BB	

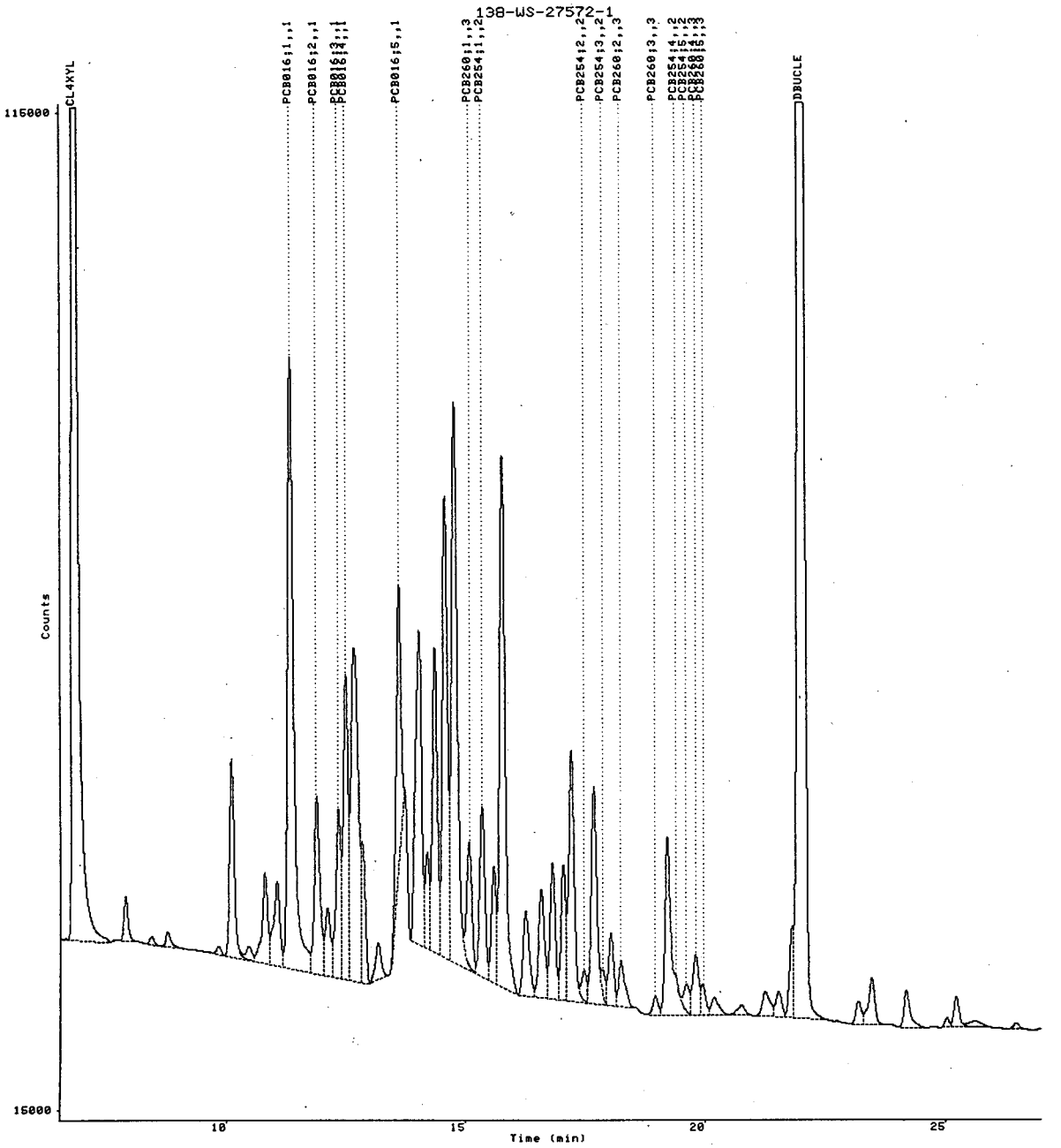
GROUP REPORT

Group	UG/ML
1	0.9076
2	0.1038
3	0.1393

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324005.RAW;1
Report: 1197258885
Acquired: 14-NOV-1997 00:49:00
Time range: 6.50-27.00



PCB248_2.0

023

Date..... 1-DEC-1997 17:03:15.22 User: TAYLORC
Report number.....1197258886
Raw file.....DISK:[TAYLORC]5697324011.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....13

Acq. date.....14-NOV-1997 04:29:06
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....ICV1254_1.0
Notes.....138-WS-27533

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....48
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
6.77	CL4XYL			
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	9.279			6576			BB	
	10.103			664			BB	
	10.795			145			BB	
	11.054			280			BB	
PCB016;1	11.338	-0.06	3.974E-03	1823			BB	1

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PCB016;2	11.890	-0.67	1.843E-03-	333	BV	1
	12.115			485	VV	
PCB016;4	12.496	0.07	0.1909	20338	VV	1
	12.641			7328	VB	
	13.165			279	BB	
PCB016;5	13.611	-0.46	0.08921	13221	BV	1
	14.033			5922	VV	
	14.362			5687	VV	
	14.571			19950	VV	
	14.767			8555	VV	
PCB260;1	15.072	0.19	0.4047 +	41818	VV	3
PCB254;1	15.341	0.50	0.1633	51104	VV	2
	15.584			20526	VV	
	15.768			6676	VB	
	16.246			15887	BV	
	16.575			20232	VV	
	16.809			36018	VV	
	17.034			13062	VV	
	17.204			72724	VE	
PCB254;2	17.475	0.13	0.1984	17033	EV	2
	17.675			57990	VV	
PCB254;3	17.862	0.12	0.2178	32338	VV	2
	17.992			19144	VV	
PCB260;2	18.238	-0.26	0.09514	45793	VE	3
	18.449			4137	EV	
	18.650			2592	EV	
PCB260;3	18.955	0.09	0.08644	18197	VV	3
	19.213			27901	VV	
PCB254;4	19.373	1.12	0.1970	30765	VV	2
PCB254;5	19.600	0.01	0.2260	27702	VV	2
PCB260;4	19.796	0.57	0.1721	61796	VE	3
	20.260			11631	EV	
	20.648			1280	VB	
	21.357			19274	BV	
	21.520			21218	VV	
	21.813			22075	VB	
	23.211			3221	BV	
	23.474			13184	VE	
	23.860			748	EB	
	24.198			1112	BB	
	25.039			496	BV	
	25.234			1045	VB	
	27.577			374	BB	

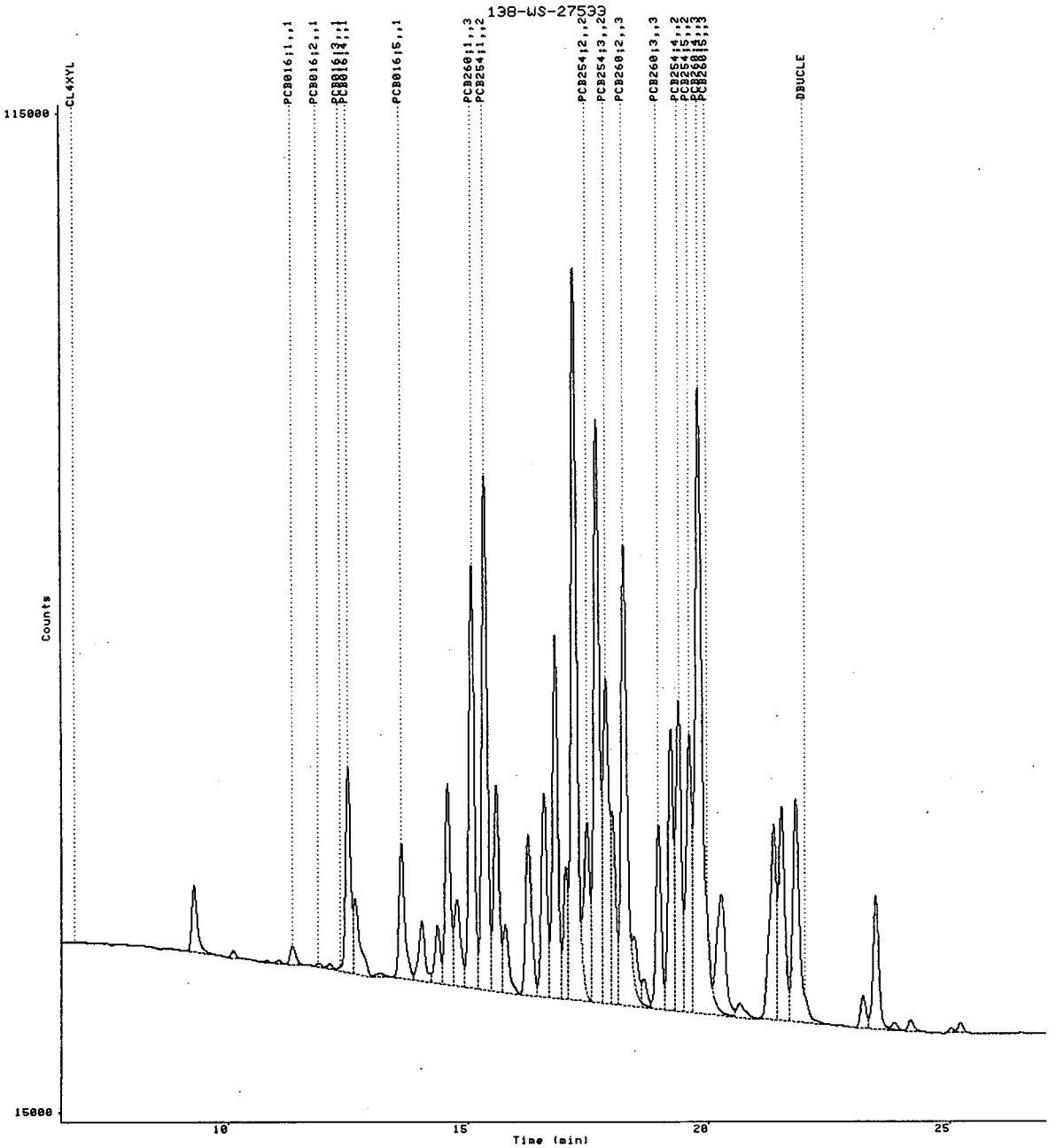
GROUP REPORT

Group	UG/ML
1	0.2859
2	1.003
3	0.7584

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324011.RAW;1
Report: 1197258886
Acquired: 14-NOV-1997 04:29:06
Time range: 6.50-27.00



ICV1254_1.0

0241

Date..... 1-DEC-1997 17:03:29.06 User: TAYLORC
Report number.....1197258887
Raw file.....DISK:[TAYLORC]5697324017.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....14

Acq. date.....14-NOV-1997 08:09:34
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....ICV_1660_1.0
Notes.....138-WS-27589-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....74
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

==========
EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.649			181		BV	
CL4XYL	6.796	-1.45	5.615E-03	9281		VB	
	7.135			89		BB	
	7.457			285		BV	
	7.668			1888		VV	
	7.781			2332		VV	
	7.865			3013		VV	
	8.111			10524		VB	
	8.563			9456		BV	
	8.755			33090		VB	
	9.649			641		BV	
	9.826			4132		VV	
	10.100			52162		VB	
	10.470			7350		BV	
	10.798			15732		VV	

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	11.057			32839	VV	
PCB016;1	11.329	0.49	0.2361	85657	VE	1
	11.679			3970	EV	
PCB016;2	11.882	-0.19	0.2428	34806	VV	1
PCB016;3	12.337	0.26	0.2238	28394	VV	1
PCB016;4	12.491	0.37	0.2000	21217	VV	1
	12.665			24681	VV	
	12.839			11336	VB	
	13.082			137	BB	
PCB016;5	13.602	0.09	0.2068	28783	BV	1
	13.718			13481	VV	
	14.014			21348	VV	
	14.197			10063	VV	
	14.332			11911	VV	
	14.563			7754	VV	
	14.740			12935	VV	
	14.925			6237	VV	
PCB260;1	15.062	0.79	0.1559	17861	VV	3
PCB254;1	15.336	0.75	0.05581	19176	VV	2
	15.539			13533	VE	
	15.753			2749	EV	
	16.064			361	VB	
	16.261			476	BB	
	16.715			11234	BV	
	17.196			43971	VV	
PCB254;2	17.471	0.36	0.2583	21413	VV	2
	17.668			6866	VV	
PCB254;3	17.865	-0.05	0.4767 +	57885	VV	2
PCB260;2	18.234	0.02	0.2130	94655	VE	3
	18.456			5099	EV	
PCB260;3	18.950	0.43	0.2018	39905	VB	3
PCB254;4	19.390	0.14	0.2832	41066	BV	2
PCB254;5	19.597	0.21	0.4281 +	45861	VV	2
PCB260;4	19.789	1.01	0.2054	72009	VV	3
PCB260;5	19.945	1.03	0.2532	88722	VV	3
	20.175			49904	VV	
	20.648			20868	VV	
	21.250			68846	VV	
	21.538			56029	VV	
	21.805			201998	VE	
DBUCLE	22.006	0.33	8.839E-03	10155	EV	
	22.333			1822	VV	
	22.483			2470	VV	
	22.749			9583	VB	
	23.191			59458	BV	
	23.469			95685	VE	
	23.855			5624	EV	
	24.189			132057	VE	
	24.830			6068	EV	
	25.033			27837	EV	
	25.226			55382	VE	
	25.646			2665	EV	
	26.049			1273	EB	
	26.479			10398	BB	
	27.322			215	BV	
	27.573			7464	VB	
	28.032			107	BB	
	29.432			334	BB	
	30.343			736	BB	

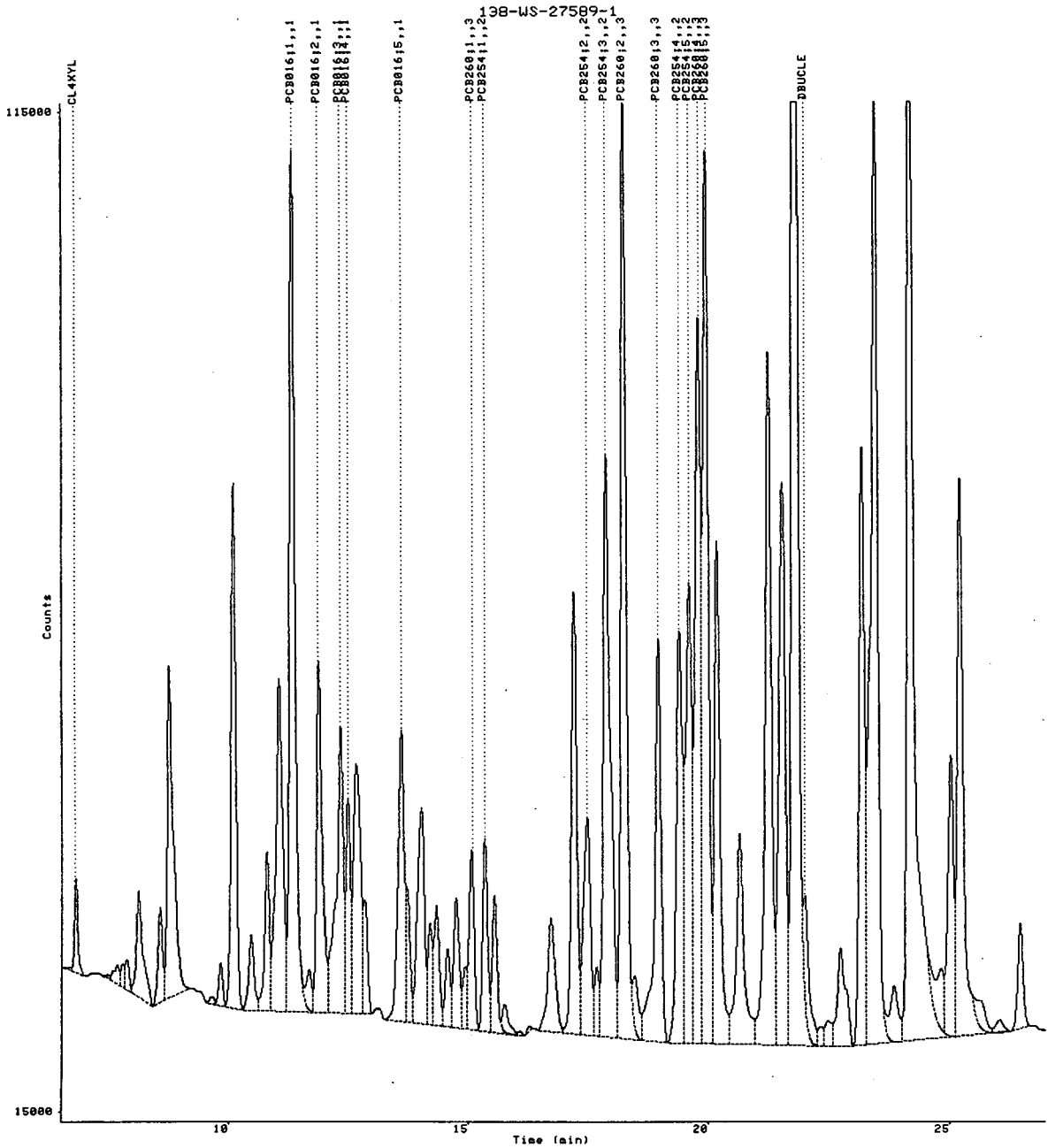
GROUP REPORT

Group	UG/ML
1	1.109
2	1.502
3	1.029

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324017.RAW;1
Report: 1197258887
Acquired: 14-NOV-1997 08:09:34
Time range: 6.50-27.00



ICV_1660_1.0

0245

Date..... 1-DEC-1997 17:03:43.32 User: TAYLORC
Report number.....1197258888
Raw file.....DISK:[TAYLORC]5697324018.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....20-NOV-1997 22:12:53
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....62
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

==========
EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.807	-2.11	0.2391	313151		BE	
	7.886			5967		EV	
	8.127			5222		EV	
	8.441			871		EV	
	8.576			5651		EV	
	8.769			24175		VB	
	9.830			4038		BV	
	10.105			48172		VE	
	10.477			6870		EV	
	10.805			19559		VV	
	11.059			30306		VV	
PCB016;1	11.346	-0.52	0.2524	90703		VV	1
PCB016;2	11.897	-1.10	0.2733	38968		VE	1
	12.104			5032		EV	
PCB016;3	12.351	-0.61	0.2769	34843		VV	1

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PCB016;4	12.496	0.09	0.2868	29111	VV	1
	12.675			32276	VV	
	12.836			17142	VB	
	13.171			4310	BB	
PCB016;5	13.609	-0.36	0.1673	23771	BB	1
	14.026			24784	BV	
	14.196			10049	VV	
	14.365			7108	VV	
	14.581			10917	VV	
	14.752			15388	VV	
PCB260;1	15.072	0.19	0.2628	28742	VV	3
PCB254;1	15.348	0.05	0.09049	30130	VE	2
	15.772			4202	EB	
	16.256			4720	BV	
	16.582			4006	VV	
	16.814			9876	VV	
	17.203			51464	VV	
PCB254;2	17.477	0.00	0.3738	28869	VV	2
	17.688			11113	VV	
PCB254;3	17.871	-0.45	0.6985 +	68302	VV	2
PCB260;2	18.248	-0.85	0.1985	89110	VE	3
	18.451			5066	EV	
	18.655			3236	EV	
PCB260;3	18.962	-0.31	0.2322	45165	VV	3
PCB254;4	19.388	0.23	0.3372	46571	VV	2
PCB254;5	19.610	-0.58	0.4826 +	49680	VV	2
PCB260;4	19.804	0.13	0.2381	81471	VV	3
PCB260;5	19.952	0.62	0.2051	74450	VV	3
	20.187			43602	VV	
	20.659			16862	VV	
	21.260			60936	VV	
	21.543			54027	VV	
	21.819			176879	VV	
DBUCLE	22.004	0.48	0.2708	249751	VB	
	22.463			224	BB	
	22.750			5848	BV	
	22.876			3100	VB	
	23.199			54530	BV	
	23.476			84671	VE	
	23.875			3358	EV	
	24.184			2961	EV	
	24.403			3775	VB	
	24.831			1514	BV	
	25.039			19624	VV	
	25.238			46102	VB	
	26.486			14258	BB	
	27.574			41220	BB	

GROUP REPORT

Group	UG/ML
1	1.257
2	1.982
3	1.137

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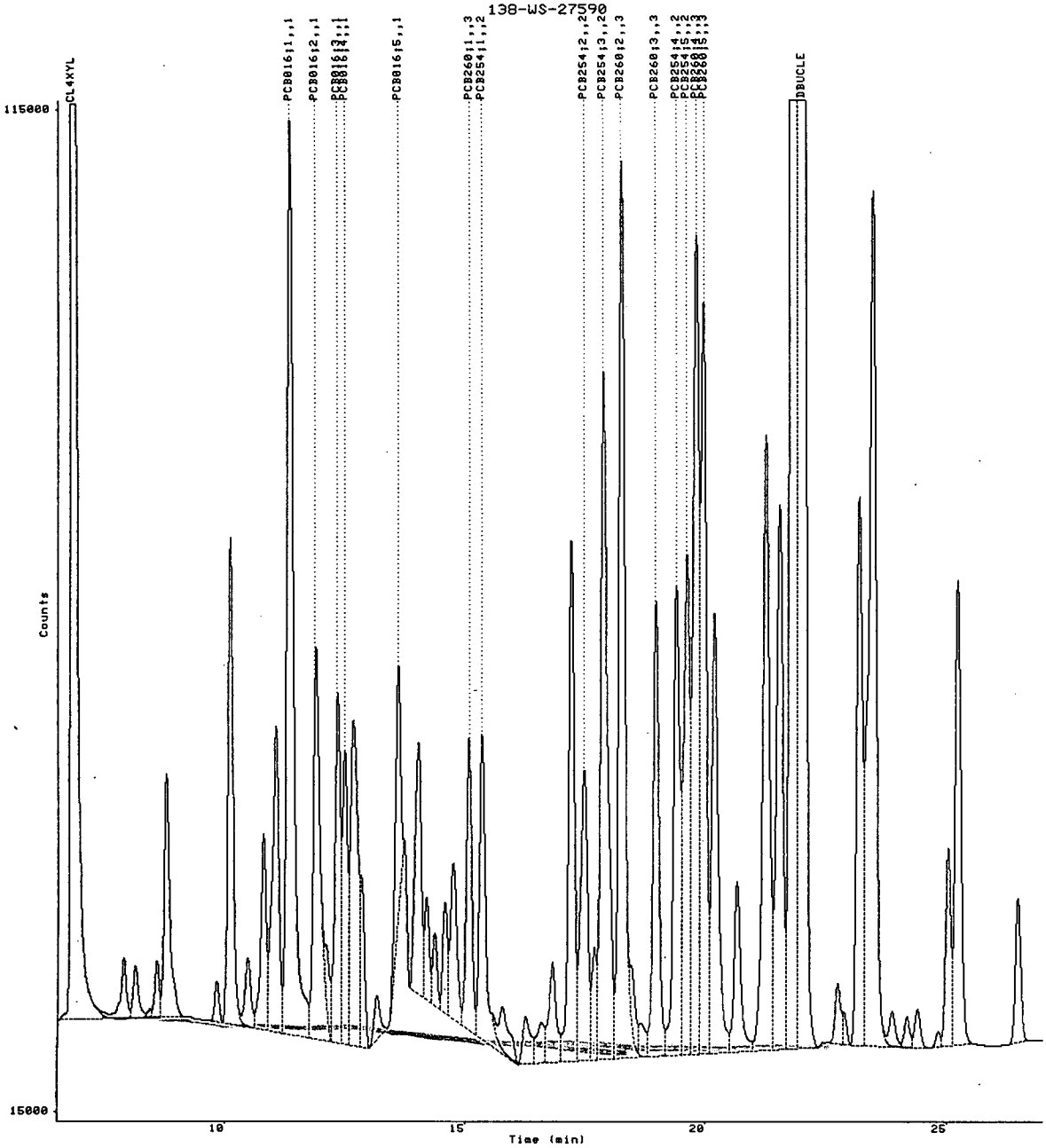
ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324018.RAW;1
Report: 1197258888
Acquired: 20-NOV-1997 22:12:53
Time range: 6.50-27.00



CCV_1660_1.0

0249

Date..... 1-DEC-1997 17:06:18.99 User: TAYLORC
Report number.....1197258899
Raw file.....DISK:[TAYLORC]5697324029.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 04:56:41
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....61
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.806	-2.03	0.2423	316824		BE	
	7.886			5123		EV	
	8.128			4989		EV	
	8.444			1001		EV	
	8.576			4992		VV	
	8.771			22713		VB	
	9.826			4094		BB	
	10.104			48070		BB	
	10.476			5482		BB	
	10.804			17550		BV	
	11.057			27827		VV	
PCB016;1	11.346	-0.53	0.2458	88676		VB	1
PCB016;2	11.898	-1.14	0.2246	32311		BB	1
PCB016;3	12.352	-0.64	0.2435	30806		BV	1
PCB016;4	12.494	0.19	0.2689	27554		VV	1

0250

	12.670			32540	VB	
	13.176			8191	BV	
PCB016;5	13.607	-0.22	0.3262	42613	VV	1
	13.715			25503	VV	
	14.024			35017	VV	
	14.194			19626	VV	
	14.363			15959	VV	
	14.580			18431	VV	
	14.750			23134	VV	
PCB260;1	15.069	0.36	0.3382	35887	VV	3
PCB254;1	15.345	0.23	0.1110	36312	VE	2
	15.752			6866	EB	
	16.265			6148	BV	
	16.583			4749	VV	
	16.811			9562	VV	
	17.202			49608	VV	
PCB254;2	17.475	0.14	0.3218	25671	VE	2
	17.687			5741	EV	
PCB254;3	17.869	-0.32	0.5808 +	64089	VB	2
PCB260;2	18.247	-0.78	0.1828	82956	BB	3
	18.653			316	BB	
PCB260;3	18.961	-0.23	0.2199	43060	BB	3
PCB254;4	19.387	0.29	0.3230	45200	BV	2
PCB254;5	19.610	-0.60	0.4536 +	47707	VV	2
PCB260;4	19.803	0.17	0.2368	81124	VV	3
PCB260;5	19.951	0.63	0.2060	74700	VV	3
	20.187			42067	VV	
	20.659			15912	VB	
	21.257			61263	BV	
	21.542			54734	VV	
	21.819			180942	VV	
DBUCLE	22.004	0.49	0.2823	258456	VB	
	22.467			224	BB	
	22.748			6114	BV	
	22.876			3236	VB	
	23.198			55282	BV	
	23.477			87522	VE	
	23.877			3470	EV	
	24.185			3636	EV	
	24.402			4037	VB	
	24.832			1655	BV	
	25.039			20522	VV	
	25.238			48231	VB	
	26.487			14734	BB	
	27.573			43216	BB	
	29.924			61	BB	

GROUP REPORT

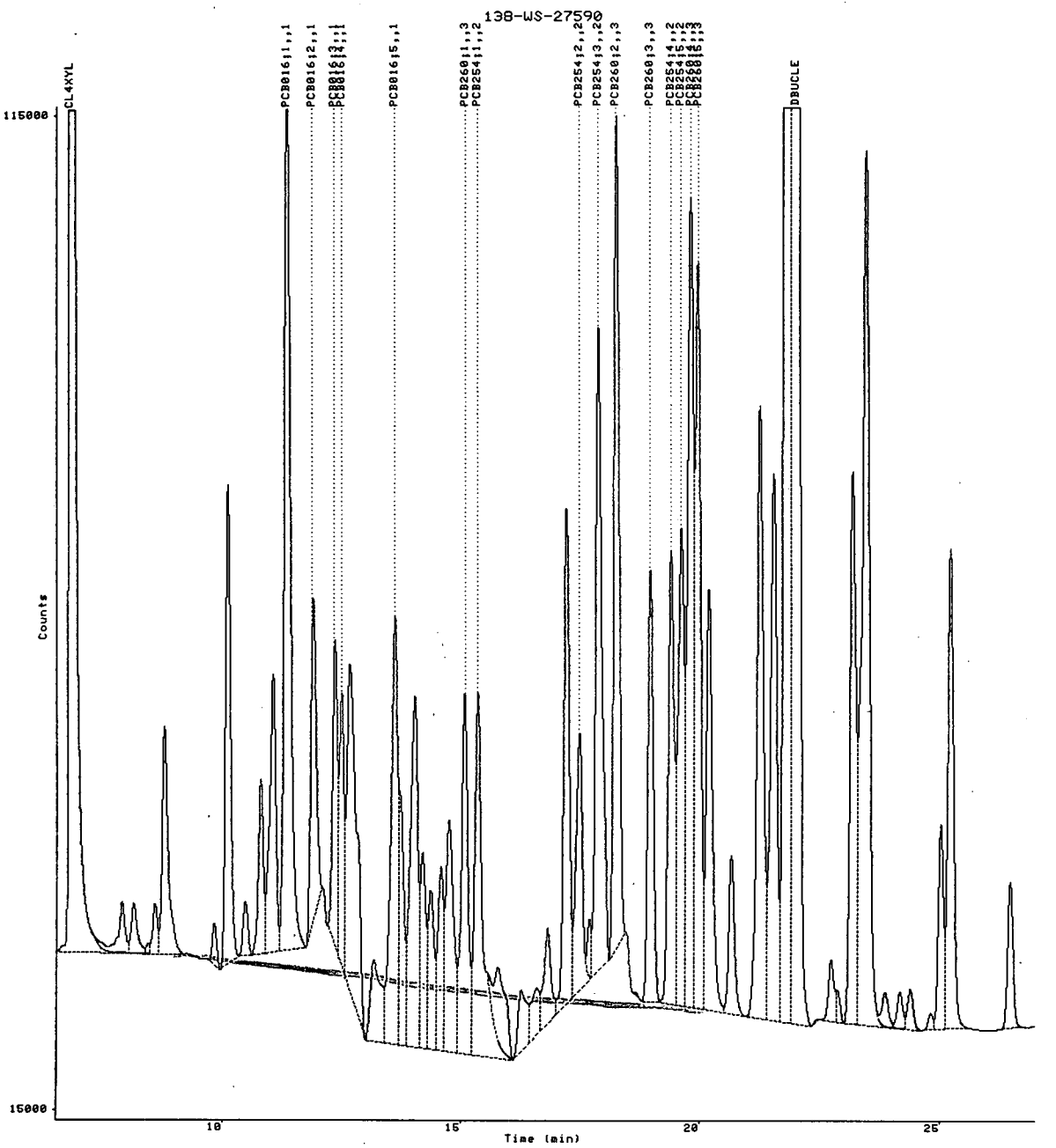
Group	UG/ML
1	1.309
2	1.790
3	1.184

0251

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324029.RAW;1
Report: 1197258899
Acquired: 21-NOV-1997 04:56:41
Time range: 6.50-27.00



CCV_1660_1.0

0252

Date..... 1-DEC-1997 17:08:49.14 User: TAYLORC
Report number.....1197258910
Raw file.....DISK:[TAYLORC]5697324040.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 11:40:47
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....59
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.808	-2.17	0.1758	238457		BE	
	7.890			3920		EV	
	8.133			3724		EV	
	8.447			805		EV	
	8.582			3657		EV	
	8.777			17017		VB	
	9.828			3229		BB	
	10.107			38395		BE	
	10.477			6823		EV	
	10.806			17063		VV	
	11.060			26174		VV	
PCB016;1	11.350	-0.77	0.1989	73713		VV	1
PCB016;2	11.901	-1.31	0.2336	33544		VV	1
PCB016;3	12.355	-0.82	0.2474	31283		VV	1
PCB016;4	12.495	0.15	0.2798	28508		VV	1

	12.674			30699	VB	
	13.184			7892	BV	
PCB016;5	13.609	-0.34	0.2605	35254	VV	1
	14.026			29152	VV	
	14.194			17274	VV	
	14.365			14419	VV	
	14.583			16105	VV	
	14.752			20074	VV	
PCB260;1	15.070	0.31	0.2794	30356	VV	3
PCB254;1	15.347	0.15	0.09203	30604	VV	2
	15.834			7865	VB	
	16.273			6659	BV	
	16.589			7054	VV	
	16.812			11629	VV	
	17.202			45196	VV	
PCB254;2	17.475	0.12	0.3363	26591	VV	2
	17.691			11728	VV	
PCB254;3	17.870	-0.34	0.4806 +	58160	VV	2
PCB260;2	18.247	-0.76	0.1614	74309	VE	3
	18.649			3664	EV	
PCB260;3	18.962	-0.28	0.1916	38107	VV	3
PCB254;4	19.388	0.26	0.2699	39594	VV	2
PCB254;5	19.609	-0.53	0.3763	41807	VV	2
PCB260;4	19.803	0.17	0.1920	67960	VV	3
PCB260;5	19.950	0.74	0.1662	62085	VV	3
	20.186			36206	VV	
	20.659			14432	VV	
	21.257			50039	VV	
	21.544			44376	VV	
	21.819			142836	VV	
DBUCLE	22.002	0.62	0.2139	204348	VB	
	22.461			264	BB	
	22.748			4724	BV	
	22.873			2491	VB	
	23.198			44141	BV	
	23.478			69530	VE	
	23.877			2717	EV	
	24.186			4465	EV	
	24.402			3377	VB	
	24.830			1256	BV	
	25.039			16095	VV	
	25.239			38029	VB	
	26.486			11586	BB	
	27.574			34467	BB	

GROUP REPORT

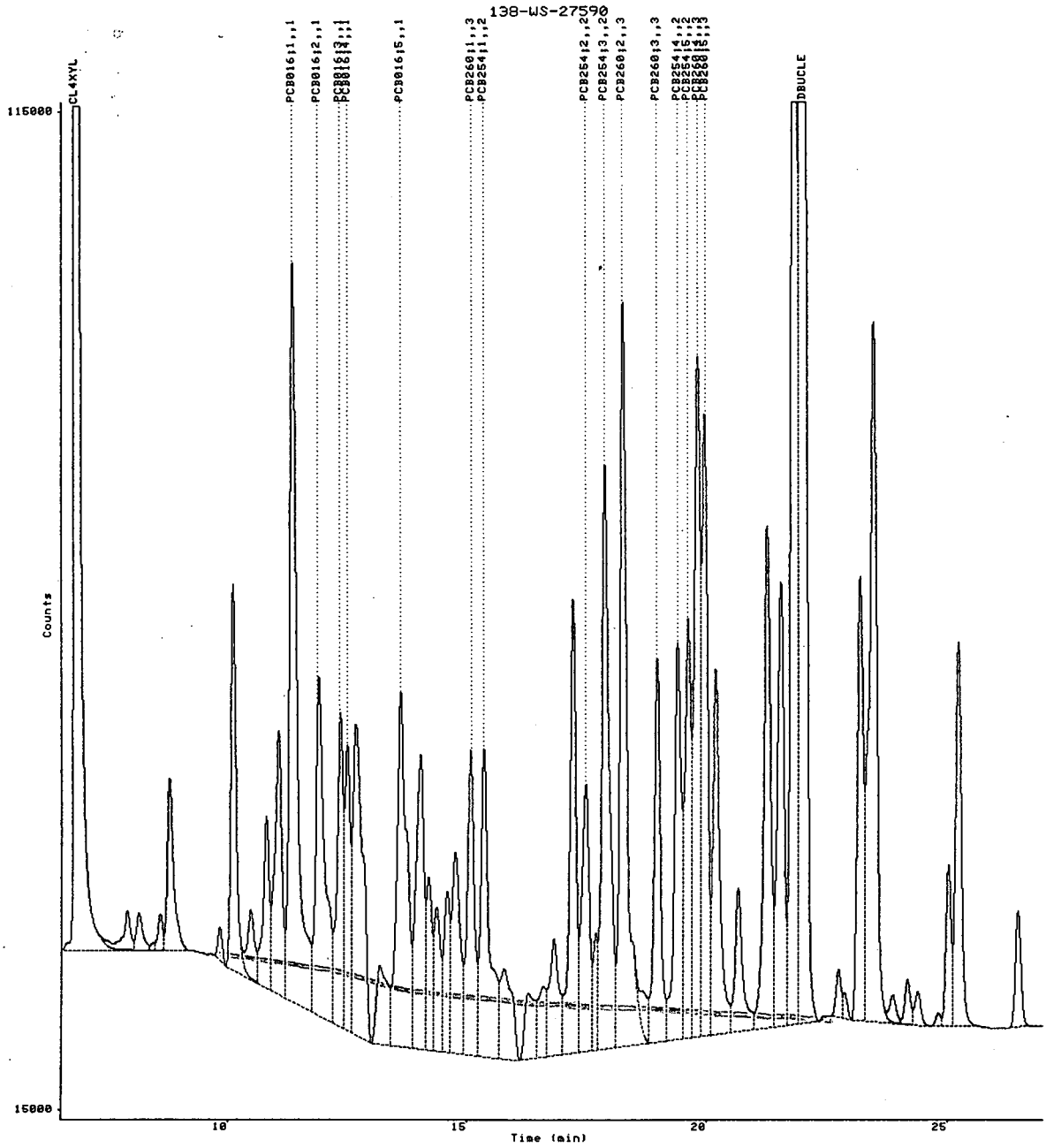
Group	UG/ML
1	1.220
2	1.555
3	0.9906

0254

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324040.RAW;1
Report: 1197258910
Acquired: 21-NOV-1997 11:40:47
Time range: 6.50-27.00



CCV_1660_1.0

0255

Date..... 1-DEC-1997 17:11:21.17 User: TAYLORC
Report number.....1197258921
Raw file.....DISK:[TAYLORC]5697324051.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 18:24:47
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....79
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.629			393		BV	
CL4XYL	6.810	-2.27	0.1897	255305		VB	
	7.674			354		BV	
	7.885			4512		VV	
	8.126			3910		VV	
	8.438			544		VV	
	8.576			4103		VV	
	8.769			20014		VB	
	9.826			3437		BB	
	10.103			39800		BE	
	10.474			6292		EV	
	10.802			16121		VV	
	11.056			24957		VV	
PCB016;1	11.343	-0.34	0.2009	74379		VV	1
PCB016;2	11.895	-0.97	0.2186	31480		VV	1

0256

	12.102			9010	VV	
PCB016;3	12.348	-0.41	0.2217	28142	VV	1
PCB016;4	12.496	0.08	0.2222	23314	VV	1
	12.682			25760	VB	
	13.179			5985	BV	
PCB016;5	13.606	-0.15	0.1978	27661	VV	1
	13.721			15077	VV	
	14.025			21167	VV	
	14.192			9983	VV	
	14.363			7539	VV	
	14.580			9207	VV	
	14.759			12872	VV	
PCB260;1	15.071	0.26	0.1632	18632	VV	3
PCB254;1	15.347	0.14	0.05401	18592	VB	2
	15.759			1969	BB	
	16.261			4430	BV	
	16.586			3747	VV	
	16.812			6925	VV	
	17.205			33216	VV	
PCB254;2	17.476	0.03	0.2069	17670	VV	2
	17.688			7276	VV	
PCB254;3	17.872	-0.45	0.3026	42294	VV	2
PCB260;2	18.249	-0.92	0.1201	56848	VE	3
	18.452			2747	EV	
	18.672			1644	EV	
PCB260;3	18.964	-0.44	0.1277	26284	VV	3
PCB254;4	19.389	0.18	0.1654	26512	VV	2
PCB254;5	19.612	-0.73	0.2362	28766	VV	2
PCB260;4	19.804	0.13	0.1350	49781	VV	3
PCB260;5	19.955	0.40	0.1101	43004	VV	3
	20.190			23633	VB	
	20.662			8464	BB	
	21.260			35233	BV	
	21.544			31193	VV	
	21.821			111746	VV	
DBUCLE	22.005	0.42	0.1719	168386	VB	
	22.751			3272	BV	
	22.881			1611	VB	
	23.202			32597	BV	
	23.478			53073	VB	
	23.885			1224	BB	
	24.181			29540	BE	
	24.397			2186	EB	
	24.850			1549	BV	
	25.042			12430	VV	
	25.241			29516	VB	
	25.814			119	BB	
	26.491			10032	BV	
	27.004			8669	VV	
	27.292			10714	VV	
	27.357			10259	VV	
	27.579			34247	VV	
	27.910			64966	VE	
	28.484			221	EB	
	28.591			128	BB	
	28.764			975	BV	
	28.937			687	VV	
	28.996			554	VV	
	29.079			232	VB	
	29.396			965	BB	

29.971	916	BB
30.807	182	BB
30.884	484	BV
30.952	561	VB

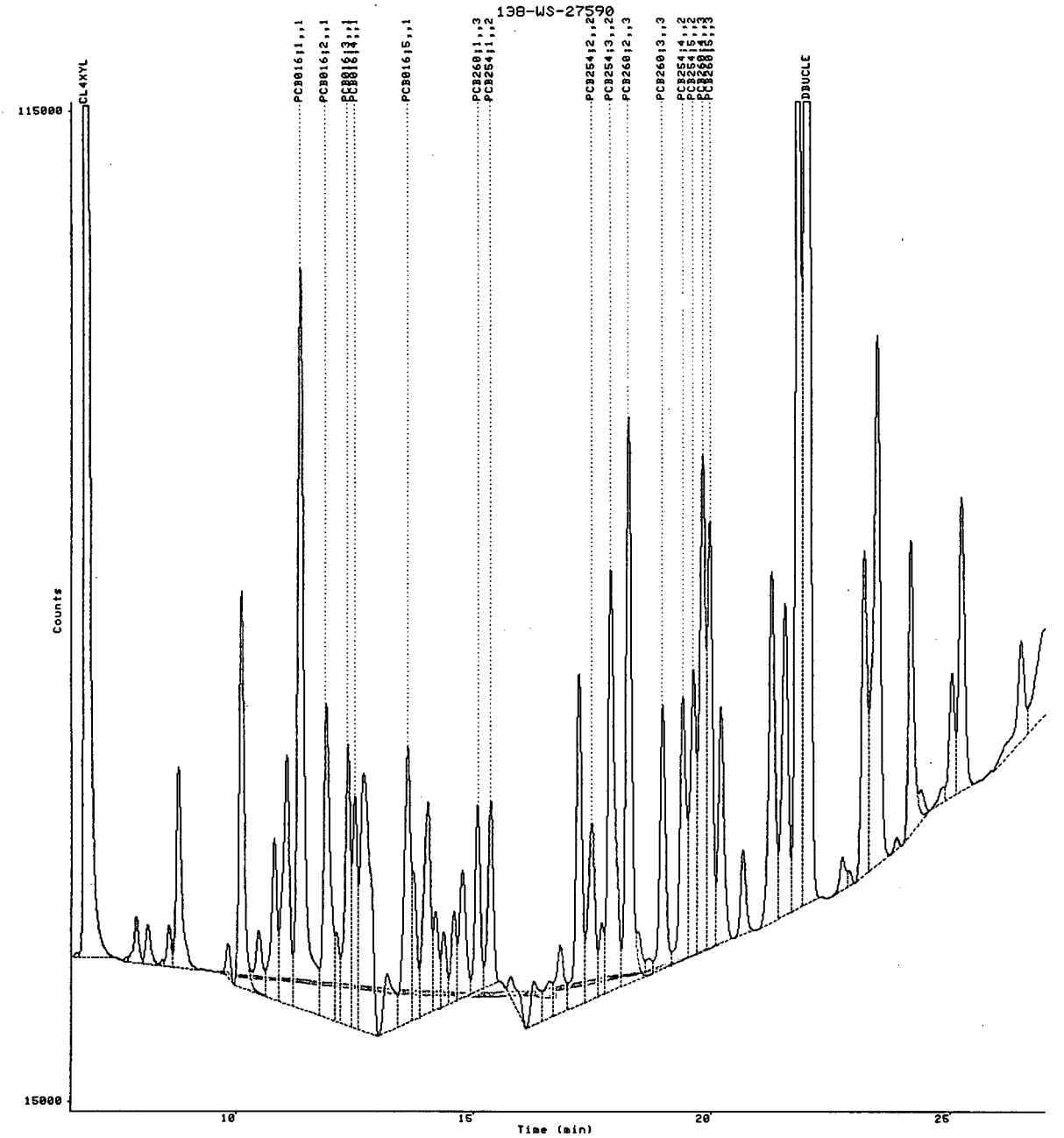
GROUP REPORT

Group	UG/ML
1	1.061
2	0.9650
3	0.6561

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324051.RAW;1
Report: 1197258921
Acquired: 21-NOV-1997 18:24:47
Time range: 6.50-27.00



CCV_1660_1.0

0259

Date..... 1-DEC-1997 17:13:55.11 User: TAYLORC
Report number.....1197258932
Raw file.....DISK:[TAYLORC]5697324062.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 01:08:56
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....67
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.636			398		BV	
CL4XYL	6.814	-2.53	0.2060	274779		VB	
	7.891			4699		BV	
	8.131			4036		VB	
	8.444			521		BV	
	8.581			4447		VV	
	8.775			21439		VB	
	9.832			3674		BB	
	10.108			42771		BB	
	10.481			4597		BB	
	10.808			15064		BV	
	11.062			24456		VV	
PCB016;1	11.350	-0.76	0.2109	77640		VB	1
PCB016;2	11.902	-1.37	0.1972	28499		BB	1
PCB016;3	12.355	-0.82	0.2038	25934		BV	1

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PCB016;4	12.501	-0.25	0.2057	21761	VV	1
	12.686			25889	VB	
	13.181			4771	BB	
PCB016;5	13.612	-0.52	0.1309	18960	BB	1
	14.032			19546	BV	
	14.199			7673	VV	
	14.370			5685	VV	
	14.587			8818	VV	
	14.760			13000	VV	
PCB260;1	15.076	-0.09	0.1955	21995	VV	3
PCB254;1	15.353	-0.23	0.06932	23519	VE	2
	15.771			3968	EB	
	16.265			4563	BV	
	16.591			3732	VV	
	16.818			7436	VV	
	17.210			37168	VV	
PCB254;2	17.482	-0.31	0.2396	20082	VV	2
	17.694			7357	VV	
PCB254;3	17.877	-0.77	0.3607	48215	VV	2
PCB260;2	18.257	-1.40	0.1355	63501	VE	3
	18.669			421	EB	
PCB260;3	18.971	-0.82	0.1432	29236	BB	3
PCB254;4	19.395	-0.15	0.1900	29845	BV	2
PCB254;5	19.620	-1.22	0.2716	32349	VV	2
PCB260;4	19.812	-0.36	0.1553	56443	VV	3
PCB260;5	19.960	0.09	0.1290	49592	VV	3
	20.197			28235	VV	
	20.669			11401	VV	
	21.266			42235	VV	
	21.551			37249	VV	
	21.829			127710	VV	
DBUCLE	22.011	0.08	0.1991	191925	VB	
	22.759			4033	BV	
	22.888			2261	VV	
	23.209			38412	VV	
	23.486			61980	VE	
	23.881			2293	EB	
	24.184			10768	BV	
	24.409			2793	VB	
	24.854			1193	BV	
	25.050			14223	VV	
	25.249			34238	VE	
	25.805			1296	EV	
	25.862			1178	EB	
	26.498			11689	BV	
	27.030			5340	VV	
	27.585			33749	VV	
	27.940			44975	VE	
	29.013			2798	EV	
	29.399			2239	EB	
	29.996			1154	BV	
	30.363			447	VB	

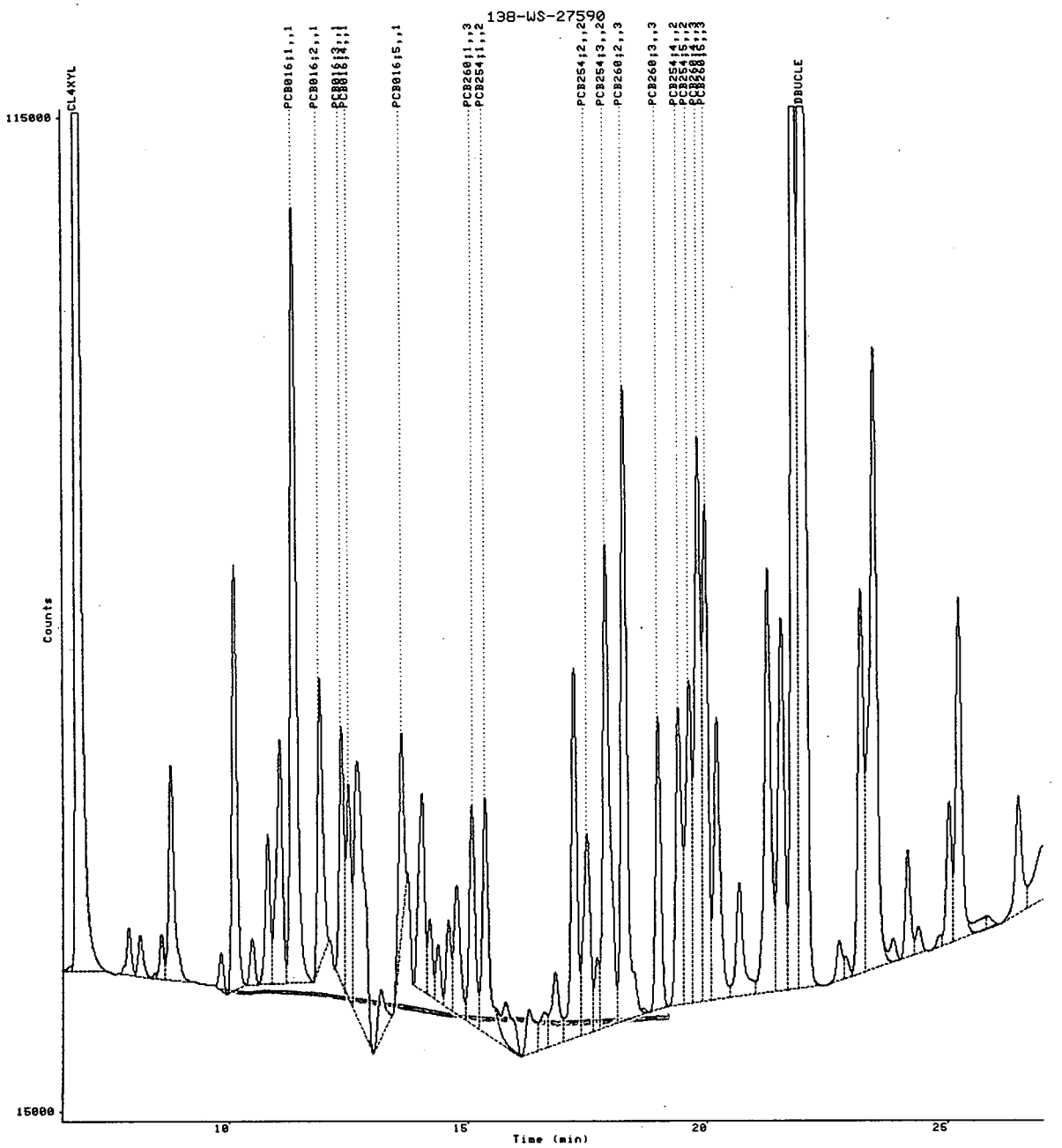
GROUP REPORT

Group	UG/ML
1	0.9484
2	1.131
3	0.7585

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324062.RAW;1
Report: 1197258932
Acquired: 22-NOV-1997 01:08:56
Time range: 6.50-27.00



CCV_1660_1.0

0263

Date..... 1-DEC-1997 17:15:31.72 User: TAYLORC
Report number.....1197258939
Raw file.....DISK:[TAYLORC]5697324069.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 05:25:58
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....66
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.637			436		BV	
CL4XYL	6.814	-2.50	0.2067	275576		VB	
	7.679			422		BV	
	7.892			4638		VV	
	8.131			4271		VE	
	8.446			612		EV	
	8.580			4442		VV	
	8.774			21253		VB	
	9.830			3790		BB	
	10.108			43035		BV	
	10.479			5418		VB	
	10.809			15437		BV	
	11.060			25020		VV	
PCB016;1	11.350	-0.79	0.2154	79094		VB	1
PCB016;2	11.901	-1.32	0.2022	29198		BB	1

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PCB016;3	12.353	-0.69	0.2120	26947	BV	1
PCB016;4	12.500	-0.17	0.2191	23022	VV	1
	12.682			27661	VB	
	13.184			7374	BV	
PCB016;5	13.611	-0.48	0.2600	35194	VV	1
	13.725			20742	VV	
	14.031			28584	VV	
	14.199			15867	VV	
	14.371			13193	VV	
	14.586			15662	VV	
	14.759			19608	VV	
PCB260;1	15.076	-0.04	0.2614	28610	VV	3
PCB254;1	15.353	-0.25	0.08748	29204	VE	2
	15.580			228	EB	
	16.272			5248	BV	
	16.590			3952	VV	
	16.818			7476	VV	
	17.210			38899	VV	
PCB254;2	17.482	-0.32	0.2302	19397	VV	2
	17.696			5061	VV	
PCB254;3	17.877	-0.78	0.3580	47964	VB	2
PCB260;2	18.256	-1.31	0.1338	62764	BB	3
	18.670			228	BB	
PCB260;3	18.971	-0.84	0.1508	30665	BV	3
PCB254;4	19.394	-0.10	0.2054	31844	VV	2
PCB254;5	19.621	-1.25	0.2938	34498	VV	2
PCB260;4	19.811	-0.31	0.1644	59371	VV	3
PCB260;5	19.961	0.07	0.1364	52135	VV	3
	20.197			29014	VV	
	20.669			10653	VB	
	21.266			43361	BV	
	21.551			38405	VV	
	21.829			129639	VV	
DBUCLE	22.010	0.13	0.2000	192668	VB	
	22.756			3948	BV	
	22.886			2074	VV	
	23.207			38574	VV	
	23.484			62008	VE	
	23.888			1952	EB	
	24.181			10502	BV	
	24.409			2796	VB	
	24.843			966	BV	
	25.047			13857	VV	
	25.248			33524	VB	
	26.496			9979	BB	
	27.583			31015	BE	
	28.072			1325	EV	
	28.144			1080	EB	
	28.875			103	BB	
	29.436			139	BB	
	30.360			88	BB	

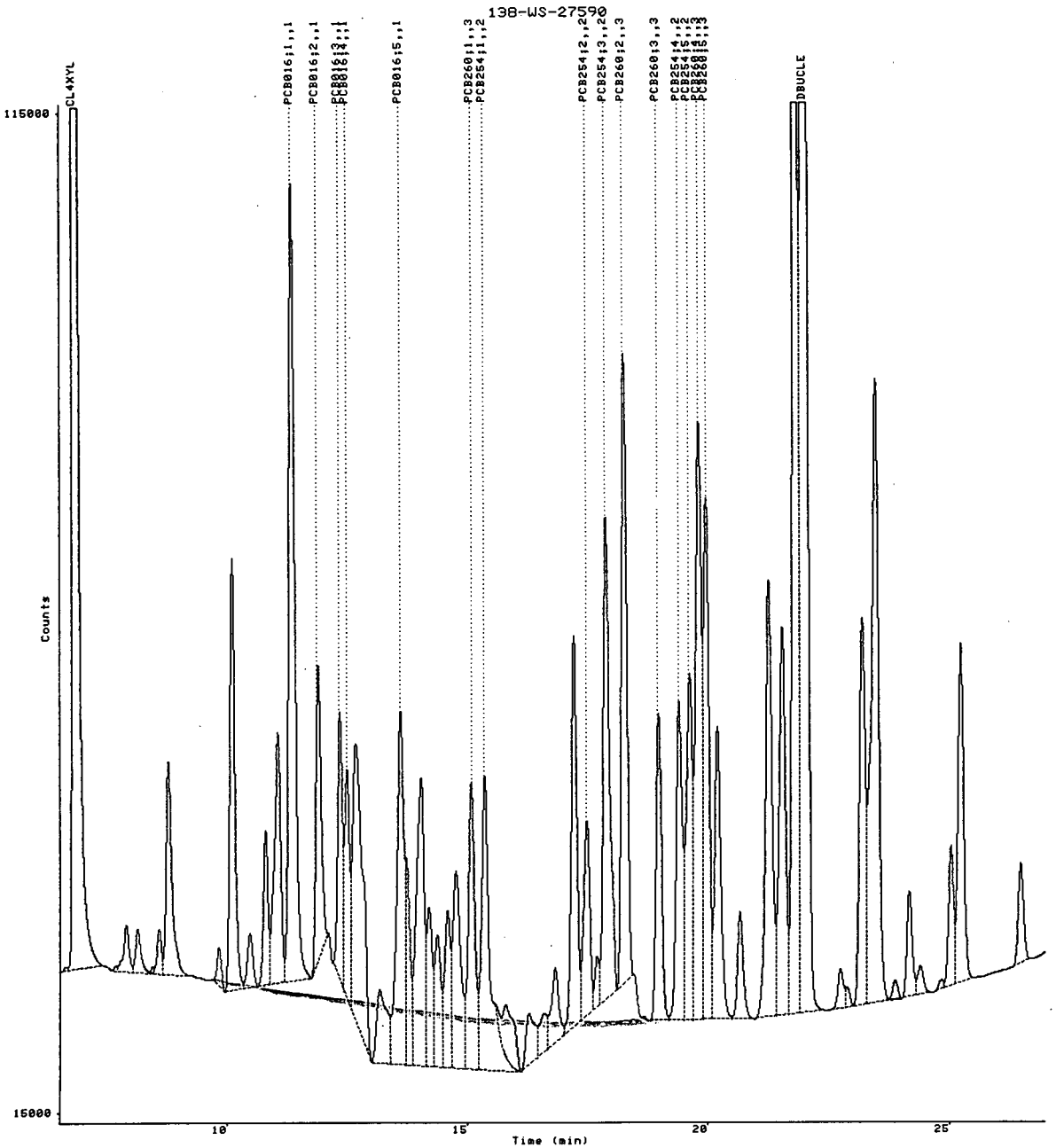
GROUP REPORT

Group	UG/ML
1	1.109
2	1.175
3	0.8469

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324069.RAW;1
Report: 1197258939
Acquired: 22-NOV-1997 05:25:58
Time range: 6.50-27.00



CCV_1660_1.0

12/2/97
WA 1/24 P8

0267

Section 4.
Environmental Organic Analysis
(Rev. 1: 3/95)

Extract Data (Primary Column)
Inventory Checklist

- [x] Blank, QC sample(s), MS/MSD(s) {if applicable}, and field sample extracts
- [x] Surrogate data (if applicable): the surrogate data consists of the raw data for all extracts
- [x] Dilutions (if applicable)

Section 4.
Extract Data (Primary Column)
Reviewer Checklist

X The extract data inventory checklist above is complete.

X The extract data has been verified for the following:

- ☞ Response data are consistent with tabular summary sheets for all data.
- ☞ Spiked analyte and surrogate retention times fall within the applicable retention time windows.
- ☞ The chromatograms are scaled no greater than the low calibration standard(s), with the exception of chromatograms that have been re-scaled due to high level hits or matrix.
- ☞ Integration is consistent with good chromatography practices unless otherwise specified on raw data.
- ☞ When multi-component analytes are being quantitated, the total response is shown on each raw data file for each multi-peak method used.
- ☞ Manual edits have been initialed and dated by the analyst.
- ☞ All method headers reflect correct analysis data.

X Unless otherwise stated with reasoning in the case narrative, the following QC criteria has been verified:

- ☞ Analytical hold times have been met.
- ☞ All surrogate and spiked analyte recovery criteria has been met.
- ☞ Extraction and analytical hold times have been met.
- ☞ Dilutions were performed appropriately.

Date..... 1-DEC-1997 17:02:08.45 User: TAYLORC
Report number.....1197258881
Raw file.....DISK:[TAYLORC]5697324001.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

12/2/97
1/2/98

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....11

Acq. date.....13-NOV-1997 22:22:00
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PRIME
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....18
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
15.08	PCB260;1	3		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.23	PCB260;2	3		
18.96	PCB260;3	3		
19.60	PCB254;5	2		
19.81	PCB260;4	3		
19.96	PCB260;5	3		
22.01	DBUCLE			

0269

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.771	0.03	-6.432E-04-	70		BB	
	7.691			71		BV	
	7.786			55		VB	
	8.124			283		BB	
	9.786			198		BB	
	10.026			72		BB	
	12.810			1996		BB	
	13.227			1911		BE	
PCB016;5	13.600	0.16	3.114E-04-	165		EB	1
	14.370			53		BB	
	14.779			432		BB	
PCB254;1	15.243	6.34	-8.471E-05-	215		BB	2
	16.316			1847		BE	
	16.800			131		EB	
PCB254;4	19.332	3.59	3.447E-03	851		BB	2
	20.774			260		BB	
	21.207			555		BB	
	24.206			2332		BB	

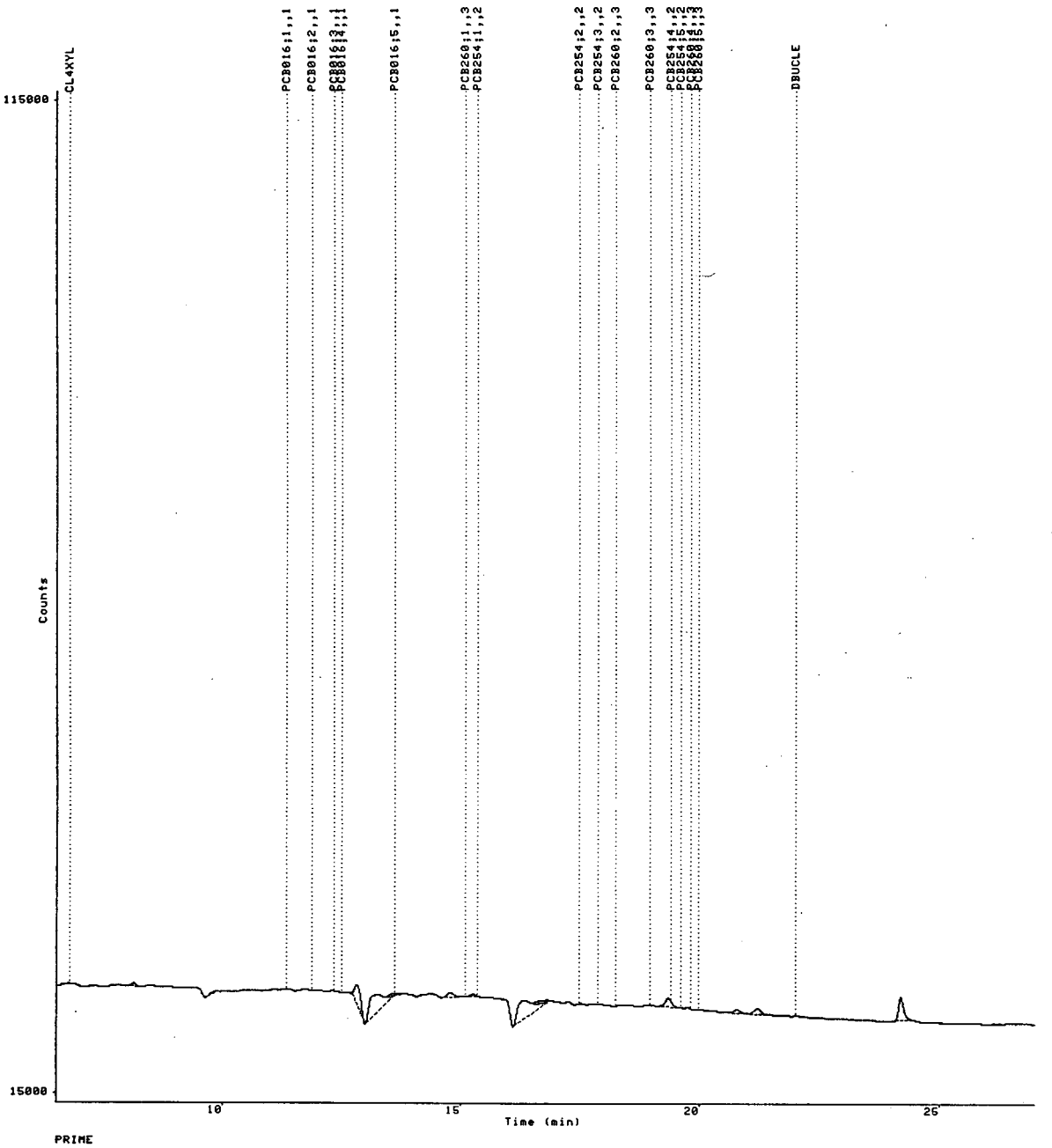
GROUP REPORT

Group	UG/ML
1	3.114E-04
2	3.362E-03

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324001.RAW;1
Report: 1197258881
Acquired: 13-NOV-1997 22:22:00
Time range: 6.50-27.00



0271

Date..... 1-DEC-1997 17:03:57.80 User: TAYLORC
Report number.....1197258889
Raw file.....DISK:[TAYLORC]5697324019.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....20-NOV-1997 22:49:38
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....BL-142138-1
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....42
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB016;5	1		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.96	PCB260;3	3		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0272

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.653			2169			BV	

CL4XYL	6.807	-2.08	13.65	60229	VE	
	7.210			52	EB	
	7.878			845	BB	
	8.237			1587	BV	
	8.445			765	VB	
	8.641			440	BB	
	8.814			58	BB	
	9.440			120	BB	
	9.832			281	BB	
	10.026			606	BV	
	10.143			652	VV	
	10.372			915	VV	
	10.674			851	VV	
	10.883			425	VV	
	11.082			991	VB	
	11.693			287	BB	
PCB016;2	11.988	-6.52	0.4174 -	245	BB	1
	12.796			1354	BB	
	13.749			196	BB	
	14.247			140	BB	
PCB260;1	15.064	0.66	-0.7067 -	122	BB	3
PCB254;1	15.346	0.20	-0.1093 -	129	BB	2
	16.794			230	BB	
	17.206			491	BB	
	17.696			271	BB	
PCB260;2	18.254	-1.23	0.1183 -	269	BB	3
PCB254;4	19.357	2.10	0.04932-	260	BB	2
PCB254;5	19.621	-1.26	0.4227 -	116	BB	2
PCB260;4	19.802	0.23	0.03110-	434	BB	3
	20.759			5320	BV	
	21.215			3778	VB	
DBUCLE	22.006	0.39	15.93	50684	BB	
	22.556			80	BB	
	23.509			199	BB	
	24.184			145	BB	
	24.409			302	BB	
	25.530			174	BB	
	26.488			1339	BB	
	27.576			56594	BB	
	29.504			225	BB	
	29.966			359	BB	

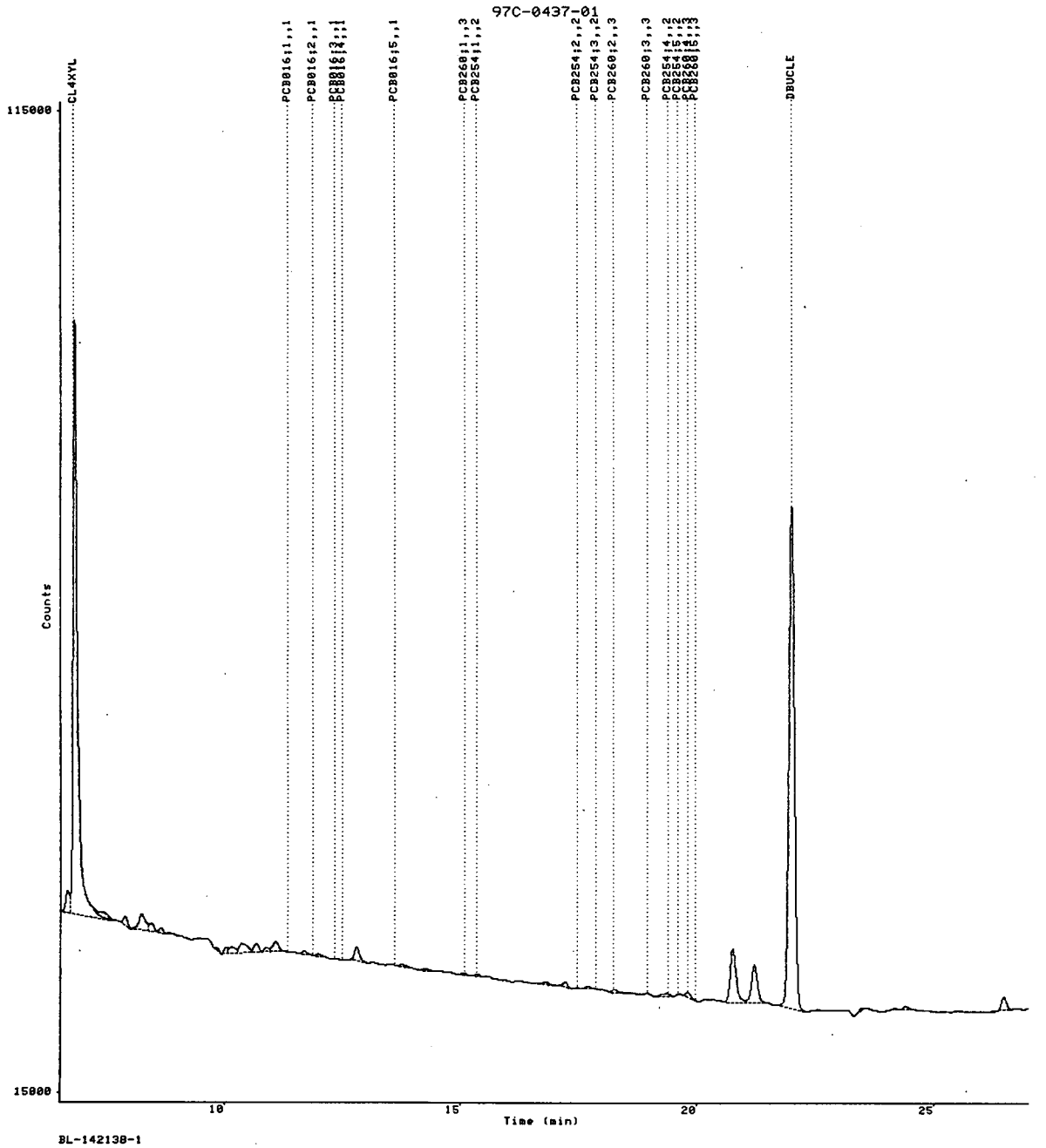
GROUP REPORT

Group	UG/ML
1	0.4174
2	0.3627
3	-0.5573

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324019.RAW;1
Report: 1197258889
Acquired: 20-NOV-1997 22:49:38
Time range: 6.50-27.00



0274

Date..... 1-DEC-1997 17:04:13.47 User: TAYLORC
Report number.....1197258890
Raw file.....DISK:[TAYLORC]5697324020.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....20-NOV-1997 23:26:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....QC-142138-1
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....70
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

==========
EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.652			2375			BV	
CL4XYL	6.807	-2.08	14.34	63182			VB	
	7.875			977			BB	
	8.122			1617			BB	
	8.436			363			BB	
	8.593			1104			BV	
	8.770			7127			VB	
	9.206			300			BV	
	9.498			754			VV	
	9.653			1206			VV	
	9.826			1643			VB	
	10.105			17843			BE	
	10.471			2881			EV	
	10.806			6284			VV	
	11.059			11318			VV	

0275

PCB016;1	11.346	-0.57	27.05	32160	VV	1
PCB016;2	11.899	-1.20	28.78	12748	VE	1
	12.101			1529	EV	
PCB016;3	12.352	-0.66	28.09	10914	VV	1
PCB016;4	12.494	0.18	30.55	10210	VV	1
	12.677			11028	VE	
	13.165			1272	EB	
PCB016;5	13.607	-0.26	19.20	8706	BB	1
	14.027			8374	BV	
	14.195			2916	VV	
	14.366			1971	VV	
	14.580			3685	VV	
	14.749			5025	VV	
PCB260;1	15.071	0.27	32.43	11508	VV	3
PCB254;1	15.347	0.10	11.29	11925	VE	2
	15.578			932	EV	
	15.774			546	EB	
	16.242			1614	BB	
	16.575			1085	BV	
	16.814			3761	VB	
	17.205			19496	BV	
PCB254;2	17.477	-0.03	31.94	8717	VV	2
	17.688			4164	VV	
PCB254;3	17.870	-0.39	49.28	22960	VB	2
PCB260;2	18.249	-0.89	20.79	30683	BB	3
	18.652			184	BB	
PCB260;3	18.964	-0.41	23.41	14918	BV	3
PCB254;4	19.387	0.30	33.44	16992	VV	2
PCB254;5	19.610	-0.60	45.21	17546	VV	2
PCB260;4	19.805	0.07	27.51	31655	VV	3
PCB260;5	19.952	0.61	20.46	25208	VV	3
	20.189			14639	VV	
	20.741			9250	VV	
	21.240			34054	VV	
	21.543			19696	VV	
	21.820			61504	VV	
DBUCLE	22.004	0.50	17.89	56653	VB	
	22.750			1722	BV	
	22.894			1166	VV	
	23.201			18678	VV	
	23.477			30167	VE	
	23.879			1120	EV	
	24.155			1235	EV	
	24.409			1200	VB	
	24.835			459	BV	
	25.041			6311	VV	
	25.240			14891	VE	
	25.521			645	EB	
	26.488			4531	BE	
	26.754			950	EB	
	27.576			59080	BE	
	28.046			113	EB	
	28.474			192	BB	
	29.186			447	BB	
	29.985			646	BB	

GROUP REPORT

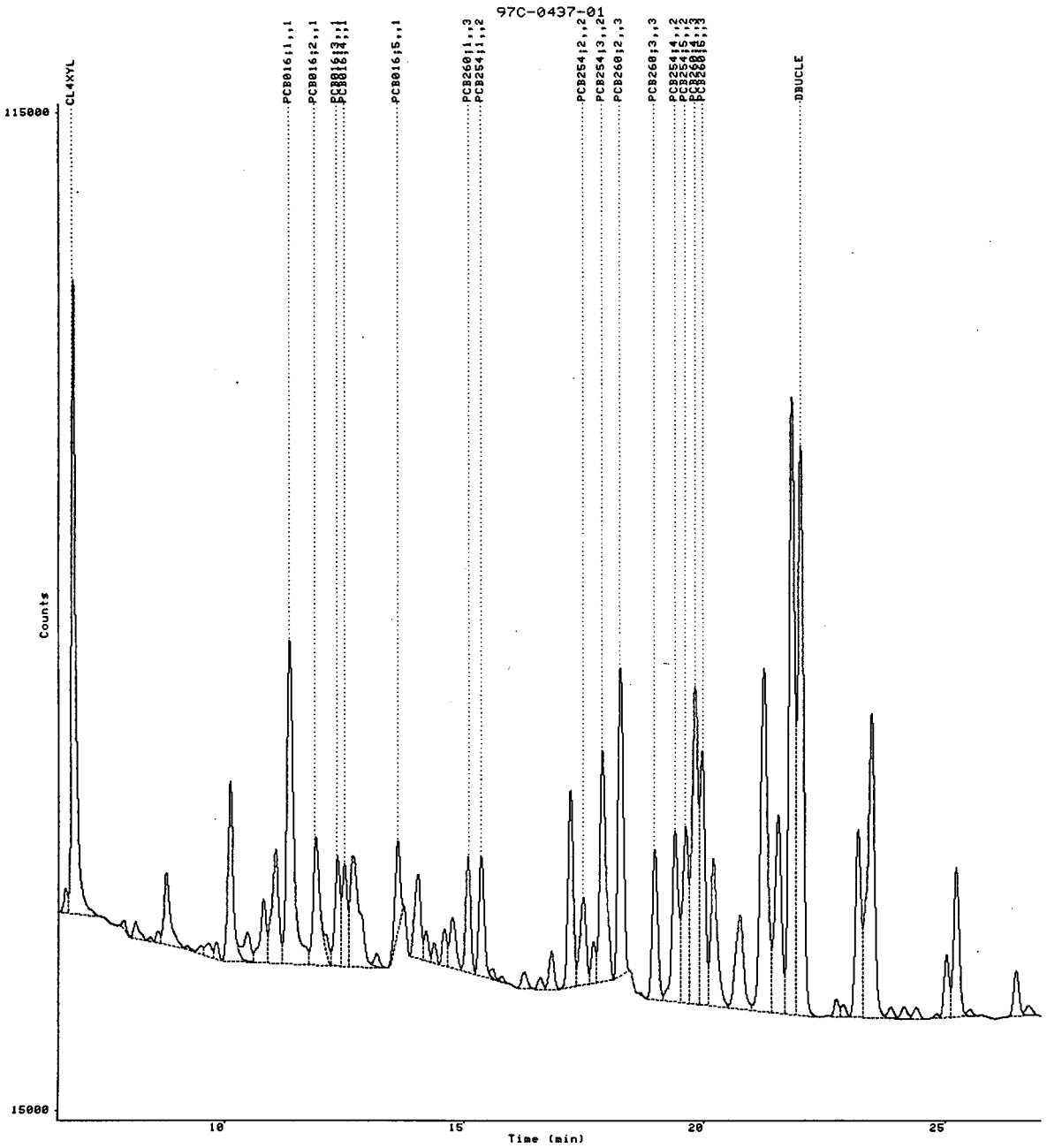
Group UG/ML

1	133.7
2	171.2
3	124.6

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697324020.RAW;1
Report: 1197258890
Acquired: 20-NOV-1997 23:26:23
Time range: 6.50-27.00



QC-142138-1

0278

Date..... 1-DEC-1997 17:04:28.27 User: TAYLORC
Report number.....1197258891
Raw file.....DISK:[TAYLORC]5697324021.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 00:03:10
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....51
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0279

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.810	-2.26	-0.03576-	861			BB	
	7.675			7082			BE	
	8.243			775			EB	
	9.256			67			BB	
	10.577			462			BB	

	11.046			1346	BV	
PCB016;1	11.363	-1.54	0.7590	1128	VE	1
	11.637			188	EB	
	12.123			446	BB	
PCB016;4	12.503	-0.38	8.838	2974	BV	1
	12.652			2572	VE	
	12.964			197	EB	
	13.174			450	BB	
PCB016;5	13.608	-0.27	2.150	1102	BV	1
	13.749			700	VV	
	13.966			603	VV	
	14.283			1253	VV	
	14.592			1633	VV	
	14.940			6065	VV	
PCB260;1	15.069	0.33	40.16	14053	VV	3
PCB254;1	15.357	-0.46	12.13	12772	VV	2
	15.568			10126	VB	
	15.947			1461	BV	
	16.248			4060	VV	
	16.580			4333	VV	
	16.815			6958	VV	
	17.049			3471	VV	
	17.243			43035	VE	
PCB254;2	17.480	-0.17	13.46	3798	EV	2
	17.691			9725	EV	
PCB254;3	17.867	-0.18	17.09	8289	VV	2
	18.001			4534	VV	
PCB260;2	18.247	-0.78	7.439	11312	VE	3
	18.458			989	EV	
PCB260;3	18.963	-0.37	5.051	3373	VV	3
	19.230			3623	VV	
PCB254;4	19.378	0.86	12.92	7008	VV	2
PCB254;5	19.611	-0.63	15.72	6380	VV	2
PCB260;4	19.809	-0.16	12.76	15312	VV	3
	20.270			2147	VB	
	21.362			5111	BV	
	21.533			3780	VV	
	21.825			5446	VE	
	22.317			300	EB	
	23.217			813	BV	
	23.481			2769	VB	
	25.045			184	BV	
	25.244			509	VB	
	26.496			200	BB	
	27.581			751	BB	
	28.194			185	BB	

GROUP REPORT

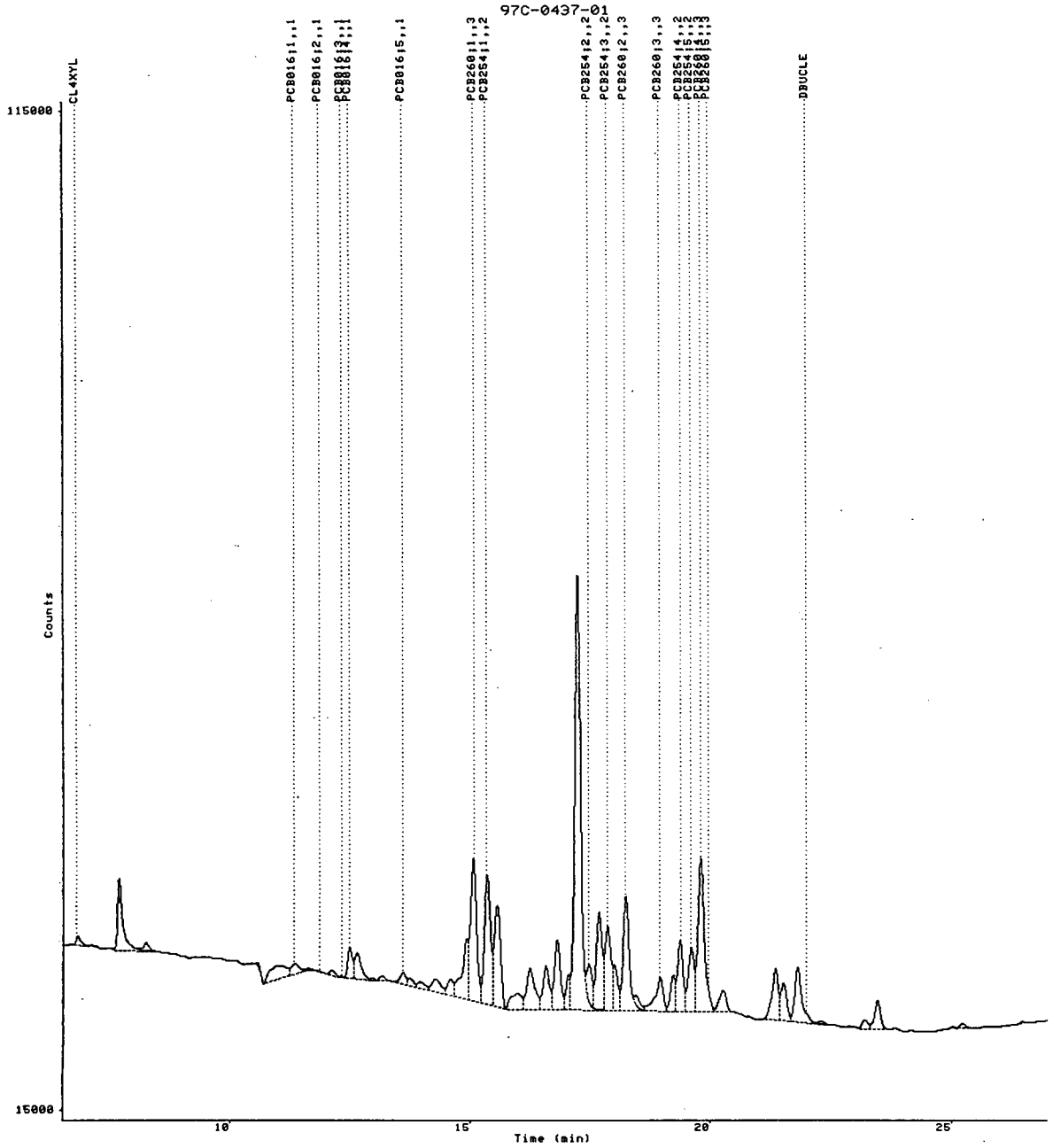
Group	UG/ML
1	11.75
2	71.32
3	65.41 x 5/4 = 81.76

0280

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324021.RAW;1
Report: 1197258891
Acquired: 21-NOV-1997 00:03:10
Time range: 6.50-27.00



97C05209 X100

0281

Date..... 1-DEC-1997 17:04:42.19 User: TAYLORC
Report number.....1197258892
Raw file.....DISK:[TAYLORC]5697324022.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 00:39:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209MS X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....50
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.24	-0.05518-	775			BB	
	7.675			4672			BB	
	8.244			655			BB	
	9.258			64			BB	
	10.105			369			BB	
	10.468			566			BV	

	10.576			1325	VB	
	11.071			1415	BV	
PCB016;1	11.362	-1.51	1.054	1491	VE	1
	11.642			167	EB	
	12.121			425	BB	
PCB016;3	12.332	0.52	0.2431 -	73	BB	1
PCB016;4	12.505	-0.47	7.688	2578	BV	1
	12.656			2523	VB	
	13.184			500	BB	
PCB016;5	13.607	-0.25	1.476	794	BB	1
	13.973			399	BV	
	14.284			1048	VV	
	14.593			1471	VV	
	14.940			5757	VV	
PCB260;1	15.070	0.30	39.65	13885	VV	3
PCB254;1	15.357	-0.47	12.10	12736	VV	2
	15.569			9920	VB	
	15.935			1127	BV	
	16.249			3193	VB	
	16.580			3132	BV	
	16.814			5543	VB	
	17.055			1890	BV	
	17.233			26636	VE	
PCB254;2	17.483	-0.37	6.921	1985	EB	2
	17.689			6241	BV	
PCB254;3	17.867	-0.17	9.283	4430	VB	2
PCB260;2	18.248	-0.86	6.304	9619	BE	3
	18.458			571	EB	
PCB260;3	18.962	-0.33	4.382	2940	BB	3
	19.229			2939	BV	
PCB254;4	19.378	0.86	12.03	6554	VV	2
PCB254;5	19.608	-0.50	14.61	5938	VV	2
PCB260;4	19.808	-0.15	11.96	14405	VB	3
	20.266			1928	BB	
	21.362			4760	BV	
	21.531			3567	VV	
	21.823			5627	VE	
	22.313			287	EB	
	23.213			915	BV	
	23.479			2815	VB	
	25.045			206	BV	
	25.245			598	VB	
	26.494			196	BB	
	27.580			693	BB	

GROUP REPORT

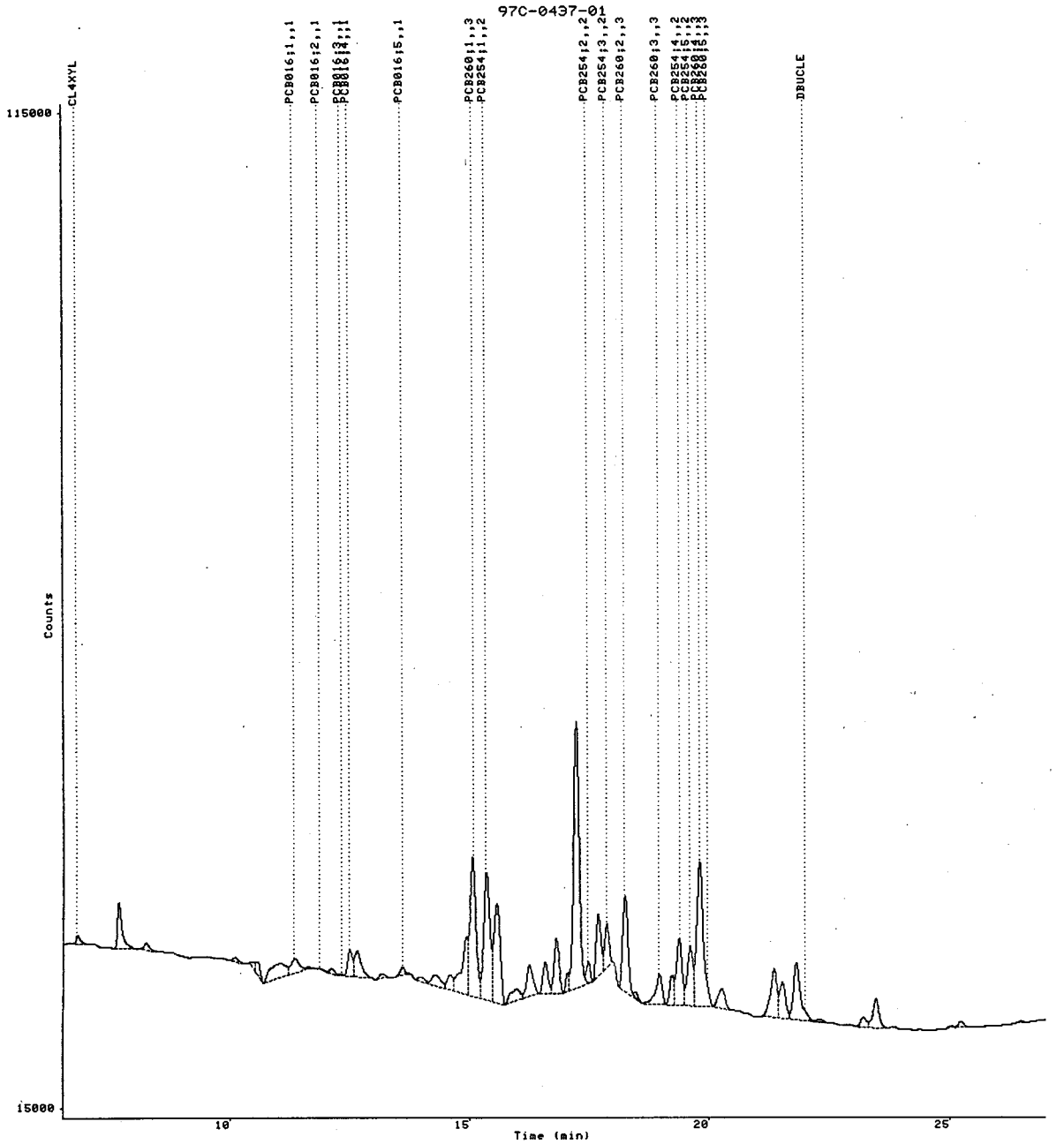
Group	UG/ML
1	10.46 x5/4 = 13.075
2	54.94
3	62.30 x5/4 = 77.875

0283

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324022.RAW;1
Report: 1197258892
Acquired: 21-NOV-1997 00:39:55
Time range: 6.50-27.00



97C05209MS X100

0284

Date..... 1-DEC-1997 17:04:56.92 User: TAYLORC
Report number.....1197258893
Raw file.....DISK:[TAYLORC]5697324023.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 01:16:21
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209MSD X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.21	-0.04118-	837			BB	
	7.674			6495			BB	
	8.242			700			BB	
	9.255			89			BB	
	10.105			385			BB	
	10.468			73			BB	

0285

	11.075			1460	BV	
PCB016;1	11.361	-1.44	1.129	1583	VE	1
	11.634			214	EB	
	12.120			447	BB	
PCB016;3	12.330	0.68	0.1899 -	52	BB	1
PCB016;4	12.503	-0.37	8.298	2788	BV	1
	12.653			2595	VE	
	12.963			183	EB	
	13.174			451	BB	
PCB016;5	13.607	-0.26	1.570	837	BB	1
	13.975			413	BV	
	14.279			1063	VV	
	14.592			1507	VV	
	14.933			5681	VV	
PCB260;1	15.069	0.34	38.11	13382	VV	3
PCB254;1	15.356	-0.41	11.83	12473	VV	2
	15.567			9733	VB	
	15.949			1527	BV	
	16.248			3983	VV	
	16.580			4250	VV	
	16.815			6810	VV	
	17.050			3382	VV	
	17.241			37404	VE	
PCB254;2	17.480	-0.18	13.80	3891	EV	2
	17.691			9500	VV	
PCB254;3	17.867	-0.19	17.46	8469	VV	2
PCB260;2	18.247	-0.80	7.573	11511	VE	3
	18.453			991	EV	
PCB260;3	18.962	-0.29	5.260	3508	VV	3
	19.231			3682	VV	
PCB254;4	19.377	0.89	13.32	7210	VV	2
PCB254;5	19.611	-0.65	15.93	6465	VV	2
PCB260;4	19.808	-0.15	12.86	15425	VV	3
	20.268			2214	VB	
	21.363			5082	BV	
	21.533			3975	VV	
	21.825			6088	VE	
	22.316			283	EB	
	23.213			989	BV	
	23.480			3084	VE	
	23.855			191	EB	
	25.042			198	BV	
	25.243			627	VB	
	26.494			226	BB	
	27.582			765	BB	
	28.198			105	BB	

GROUP REPORT

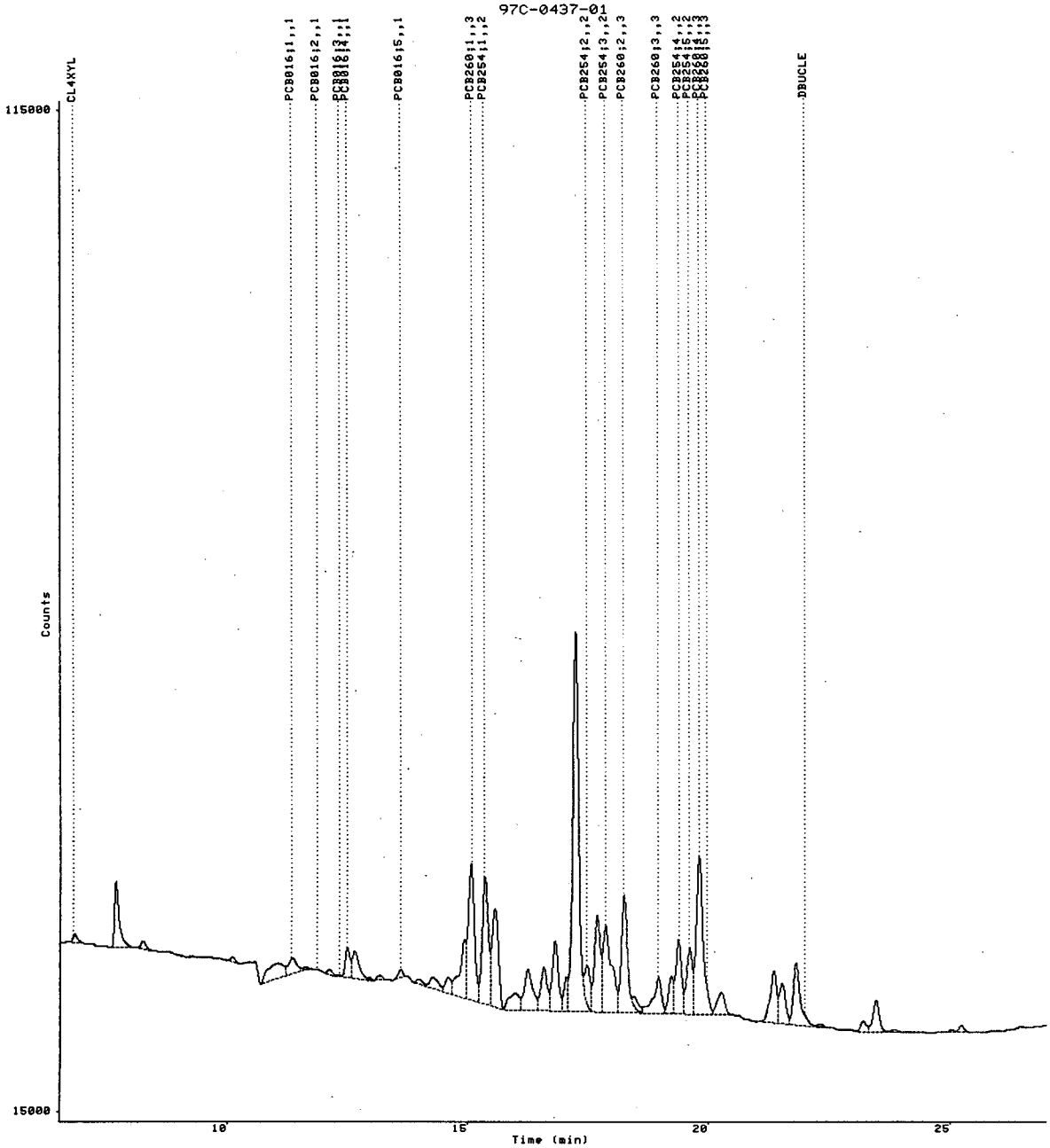
Group	UG/ML
1	11.19 x 5/4 = 13.99
2	72.34
3	63.80 x 5/4 = 79.75

0286

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324023.RAW;1
Report: 1197258893
Acquired: 21-NOV-1997 01:16:21
Time range: 6.50-27.00



97C05209MSD X100

0287

Date..... 1-DEC-1997 17:05:10.12 User: TAYLORC
Report number.....1197258894
Raw file.....DISK:[TAYLORC]5697324024.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 01:53:08
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05210 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....62
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.810	-2.30	0.01960-	1106			BB	
	7.157			173			BB	
	7.677			3801			BB	
	8.243			737			BB	
	9.254			88			BB	

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	10.145			480	BB	
	11.045			1195	BV	
PCB016;1	11.361	-1.41	0.7118	1070	VB	1
	12.125			383	BB	
PCB016;4	12.503	-0.37	7.581	2541	BV	1
	12.653			2351	VB	
	13.194			575	BB	
PCB016;5	13.609	-0.34	2.421	1226	BV	1
	13.763			970	VV	
	13.976			741	VV	
	14.317			1127	VV	
	14.681			2065	VV	
	14.938			5821	VV	
PCB260;1	15.070	0.31	40.87	14283	VV	3
PCB254;1	15.356	-0.44	12.17	12807	VV	2
	15.570			10240	VB	
	15.936			3002	BV	
	16.249			3514	VV	
	16.583			3970	VV	
	16.811			6806	VB	
	17.236			32392	BE	
PCB254;2	17.483	-0.34	7.522	2153	EB	2
	17.688			7728	BV	
PCB254;3	17.868	-0.25	10.11	4846	VB	2
PCB260;2	18.247	-0.76	6.909	10523	BE	3
	18.451			498	EB	
PCB260;3	18.962	-0.29	4.821	3224	BV	3
	19.224			3697	VV	
PCB254;4	19.379	0.80	12.86	6977	VV	2
PCB254;5	19.610	-0.62	16.23	6586	VV	2
PCB260;4	19.809	-0.16	13.53	16192	VV	3
	20.268			2431	VB	
	20.761			4066	BB	
	21.230			13065	BV	
	21.526			4424	VV	
	21.824			6059	VB	
	22.349			732	BB	
	22.920			739	BV	
	23.208			1023	VV	
	23.481			2658	VE	
	23.728			217	EB	
	24.166			353	BV	
	24.475			280	VB	
	24.838			827	BB	
	25.243			488	BB	
	25.560			2777	BB	
	26.265			756	BV	
	26.488			250	VB	
	26.736			314	BV	
	26.966			182	VB	
	27.521			2934	BV	
	28.159			1269	VV	
	28.447			1247	VB	
	28.840			92	BB	
	29.161			158	BB	
	29.765			184	BV	
	29.995			2132	VB	

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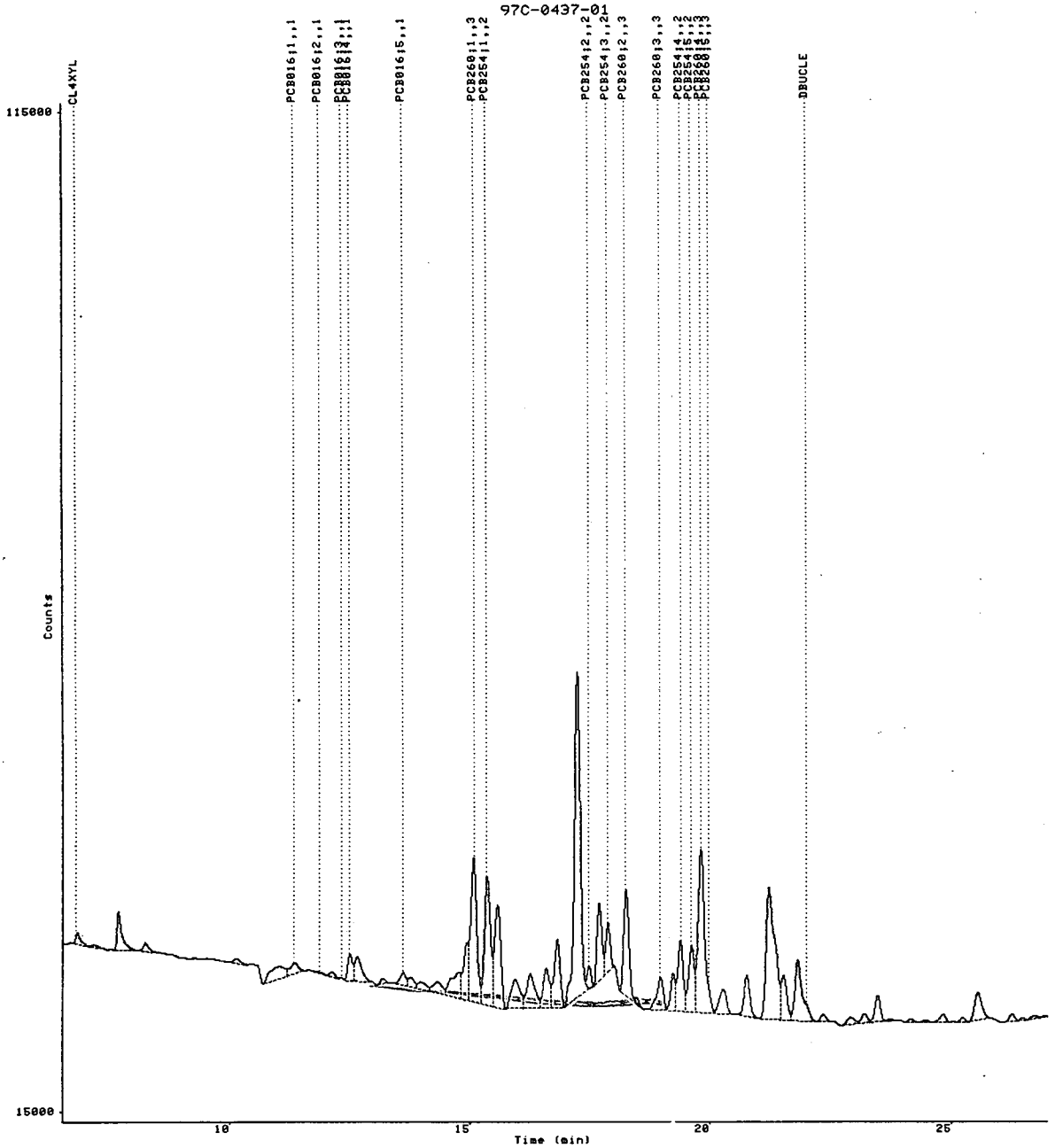
GROUP REPORT

Group	UG/ML
1	10.71
2	58.90
3	66.13

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324024.RAW;1
Report: 1197258894
Acquired: 21-NOV-1997 01:53:08
Time range: 6.50-27.00



97C05210 X100

0291

Date..... 1-DEC-1997 17:05:25.16 User: TAYLORC
Report number.....1197258895
Raw file.....DISK:[TAYLORC]5697324025.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 02:29:56
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05211 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.810	-2.26	-0.05812-	762			BB	
	7.676			10477			BE	
	8.241			597			EB	
	9.249			60			BB	
	10.101			91			BB	

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	10.462			81	BB	
	11.038			1120	BV	
PCB016;1	11.364	-1.59	0.7280	1090	VV	1
	11.629			341	VB	
	12.120			563	BB	
PCB016;4	12.500	-0.18	12.59	4257	BV	1
	12.661			2979	VE	
	12.966			190	EB	
	13.173			371	BB	
PCB016;5	13.611	-0.48	1.835	958	BB	1
	13.969			533	BV	
	14.279			694	VV	
	14.589			1441	VV	
	14.784			2012	VV	
	14.936			4133	VV	
PCB260;1	15.070	0.29	29.30	10465	VV	3
PCB254;1	15.357	-0.46	9.157	9764	VV	2
	15.570			7472	VB	
	15.843			403	BB	
	15.976			112	BB	
	16.249			2410	BB	
	16.580			2673	BV	
	16.813			4408	VB	
	17.052			1429	BV	
	17.251			63244	VE	
PCB254;2	17.475	0.09	5.304	1531	EB	2
	17.690			6116	BV	
PCB254;3	17.867	-0.15	7.210	3385	VB	2
PCB260;2	18.248	-0.84	4.647	7135	BB	3
PCB260;3	18.960	-0.20	3.129	2127	BB	3
	19.227			2779	BV	
PCB254;4	19.377	0.88	9.342	5168	VV	2
PCB254;5	19.610	-0.61	11.40	4644	VV	2
PCB260;4	19.809	-0.19	9.234	11264	VV	3
	20.269			1607	VB	
	21.362			3665	BV	
	21.531			2849	VV	
	21.825			3781	VB	
	23.215			600	BV	
	23.481			2011	VB	
	24.784			122	BB	
	25.034			106	BV	
	25.237			356	VB	
	26.495			161	BB	
	27.587			369	BB	
	27.972			292	BB	
	30.074			30	BB	

GROUP REPORT

Group	UG/ML
1	15.15
2	42.41
3	46.31

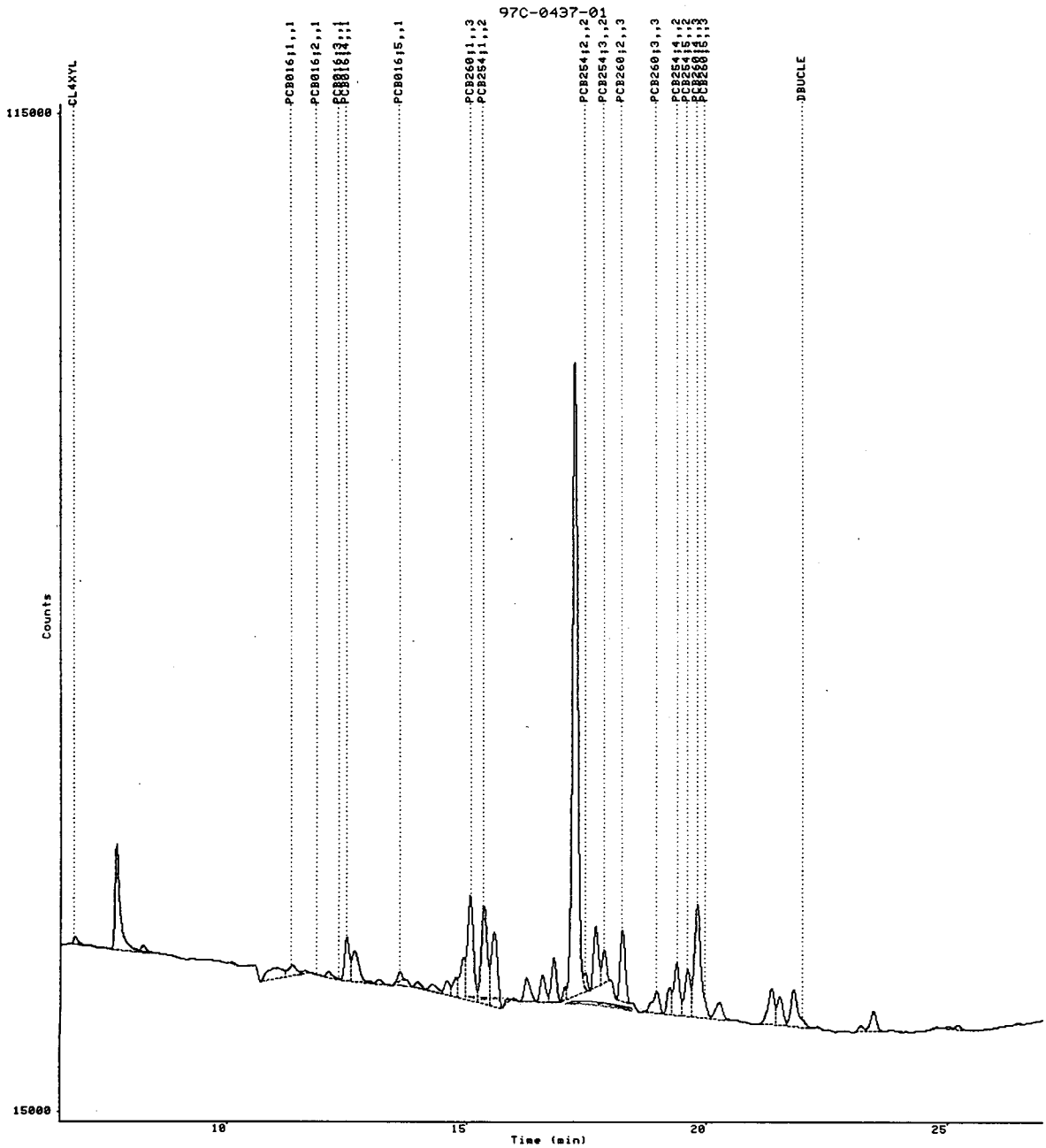
0293

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324025.RAW;1
Report: 1197258895
Acquired: 21-NOV-1997 02:29:56
Time range: 6.50-27.00



97C05211 X100

0295

Date..... 1-DEC-1997 17:05:38.10 User: TAYLORC
Report number.....1197258896
Raw file.....DISK:[TAYLORC]5697324026.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 03:06:42
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05212 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....55
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.17	-7.742E-03-	985			BB	
	7.451			78			BB	
	7.674			3992			BV	
	8.242			1605			VB	
	9.266			73			BB	

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	10.101			179	BB	
	10.466			1099	BV	
	10.582			2028	VB	
	10.983			3739	BV	
PCB016;1	11.361	-1.43	1.170	1633	VV	1
	11.624			439	VB	
	12.121			1411	BV	
PCB016;4	12.502	-0.28	70.25	22239	VV	1
	12.654			19092	VE	
	12.959			1443	EV	
	13.215			1301	EV	
PCB016;5	13.614	-0.68	20.97	9474	VV	1
	14.028			4264	VV	
	14.264			1689	VV	
	14.588			5703	VV	
	14.781			4938	VV	
PCB260;1	15.073	0.15	110.7	35314	VV	3
PCB254;1	15.355	-0.37	21.66	22135	VV	2
	15.574			13291	VB	
	15.834			2615	BV	
	16.251			9580	VV	
	16.583			7126	VV	
	16.813			12044	VV	
	17.219			57852	VE	
PCB254;2	17.481	-0.26	33.53	9125	EV	2
	17.690			18937	VV	
PCB254;3	17.865	-0.03	29.72	14285	VV	2
	18.001			8392	VV	
PCB260;2	18.247	-0.76	11.41	17180	VE	3
	18.460			2393	EV	
	18.667			819	VV	
PCB260;3	18.963	-0.34	6.631	4392	VV	3
	19.229			5593	VV	
PCB254;4	19.377	0.92	21.34	11216	VV	2
PCB254;5	19.608	-0.49	35.87	14142	VV	2
PCB260;4	19.806	-0.01	19.95	23407	VE	3
	20.263			3738	EV	
	20.624			466	VB	
	21.363			7889	BV	
	21.533			5660	VV	
	21.823			8012	VE	
	22.318			486	EB	
	23.217			1513	BV	
	23.478			4675	VE	
	23.865			347	EB	
	25.038			271	BV	
	25.242			775	VB	
	26.494			323	BB	
	27.578			987	BB	
	28.191			480	BB	

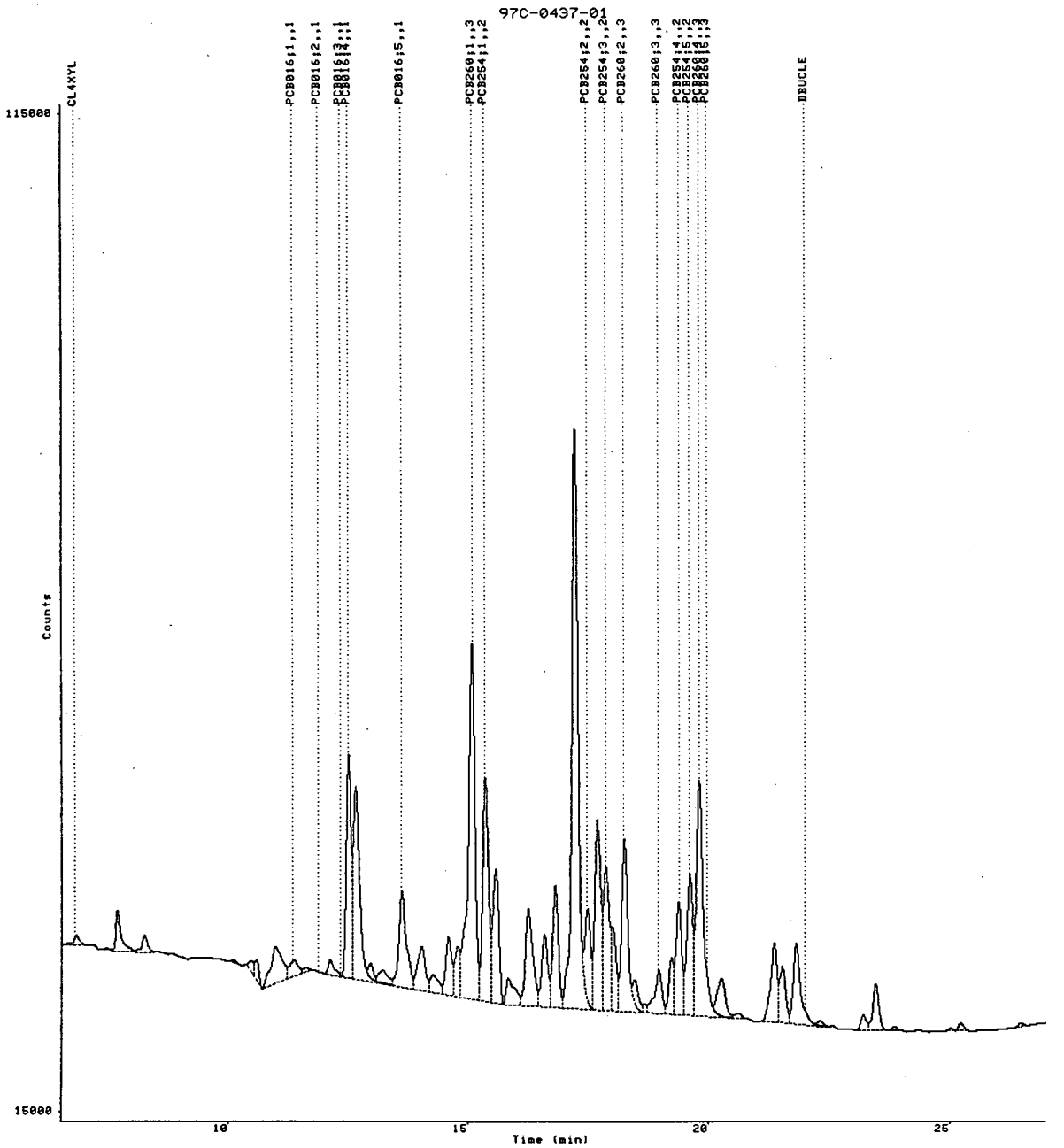
GROUP REPORT

Group	UG/ML
1	92.39
2	142.1
3	148.6

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324026.RAW;1
Report: 1197258896
Acquired: 21-NOV-1997 03:06:42
Time range: 6.50-27.00



97C05212 X100

0299

Date..... 1-DEC-1997 17:05:51.03 User: TAYLORC
Report number.....1197258897
Raw file.....DISK:[TAYLORC]5697324027.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 03:43:28
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05213 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....44
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.14	-0.06422-	735			BB	
	7.674			9348			BB	
	8.622			281			BV	
	8.850			1190			VB	
	10.105			273			BV	
	10.458			1182			VB	

0300

	11.002			3701	BV	
PCB016;1	11.353	-0.95	1.002	1427	VV	1
PCB016;2	11.764	6.92	1.158	576	VB	1
	12.116			134	BB	
PCB016;4	12.499	-0.15	22.11	7453	BV	1
	12.654			6797	VB	
	13.225			369	BB	
PCB016;5	13.616	-0.75	8.182	3834	BV	1
	14.027			1460	VV	
	14.367			763	VV	
	14.588			1769	VV	
	14.773			2034	VV	
PCB260;1	15.076	-0.07	20.06	7349	VV	3
PCB254;1	15.355	-0.38	4.735	5216	VV	2
	15.591			2885	VB	
	15.843			1252	BV	
	16.251			2823	VV	
	16.586			1808	VV	
	16.814			2525	VB	
	17.248			43304	BE	
PCB254;2	17.473	0.22	4.049	1177	EV	2
	17.691			3890	VV	
PCB254;3	17.862	0.15	3.496	1492	VB	2
PCB260;2	18.251	-1.01	1.664	2626	BE	3
	18.456			322	EB	
PCB260;3	18.962	-0.30	0.5633 -	453	BV	3
	19.228			1643	VV	
PCB254;4	19.375	1.03	3.812	2271	VV	2
PCB254;5	19.607	-0.41	5.740	2331	VV	2
PCB260;4	19.808	-0.14	3.064	4045	VE	3
	20.256			475	EB	
	21.364			1203	BV	
	21.530			798	VB	
	21.822			755	BB	
	23.227			66	BB	
	23.480			537	BB	
	27.578			596	BV	
	28.207			385	VB	

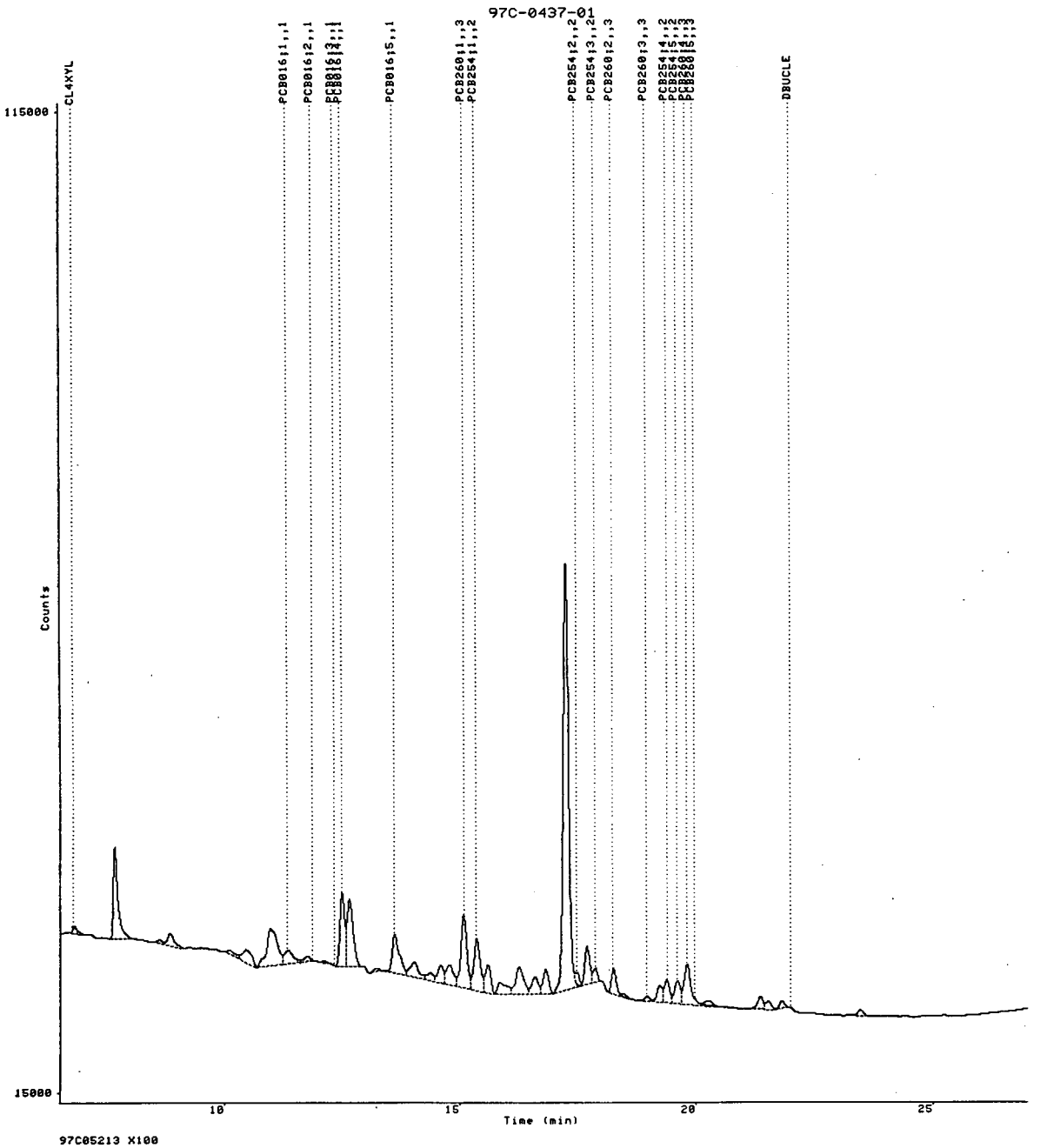
GROUP REPORT

Group	UG/ML
1	32.46
2	21.83
3	25.36

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324027.RAW;1
Report: 1197258897
Acquired: 21-NOV-1997 03:43:28
Time range: 6.50-27.00



0302

Date..... 1-DEC-1997 17:06:04.82 User: TAYLORC
Report number.....1197258898
Raw file.....DISK:[TAYLORC]5697324028.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 04:20:15
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05214 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....54
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.23	-0.01813-	939			BB	
	7.674			7965			BE	
	8.243			1096			EB	
	8.508			77			BB	
	9.277			97			BB	

0303

	10.110			398	BB	
	10.466			570	BV	
	10.581			1387	VB	
	11.084			1584	BV	
PCB016;1	11.364	-1.61	1.181	1646	VV	1
	11.633			544	VB	
	12.121			660	BB	
PCB016;4	12.503	-0.34	12.47	4216	BV	1
	12.654			3904	VB	
	13.186			484	BB	
PCB016;5	13.609	-0.34	2.121	1089	BB	1
	13.970			542	BV	
	14.275			893	VV	
	14.592			1861	VV	
	14.935			5588	VV	
PCB260;1	15.071	0.23	43.32	15081	VV	3
PCB254;1	15.356	-0.44	13.40	14046	VV	2
	15.572			10495	VB	
	15.849			894	BV	
	15.980			831	VB	
	16.250			3344	BB	
	16.580			3662	BV	
	16.815			6421	VB	
	17.054			2131	BV	
	17.244			46382	VE	
PCB254;2	17.478	-0.09	7.690	2200	EB	2
	17.691			7921	BV	
PCB254;3	17.868	-0.21	10.18	4877	VB	2
PCB260;2	18.247	-0.80	6.830	10405	BE	3
	18.456			619	EB	
PCB260;3	18.961	-0.23	4.552	3050	BB	3
	19.229			3719	BV	
PCB254;4	19.378	0.87	13.64	7375	VV	2
PCB254;5	19.610	-0.60	16.62	6742	VV	2
PCB260;4	19.809	-0.18	13.29	15914	VV	3
	20.272			2231	VB	
	21.364			5341	BV	
	21.532			3961	VV	
	21.825			5451	VE	
	22.317			338	EB	
	23.213			766	BV	
	23.481			2759	VB	
	23.853			117	BB	
	25.042			148	BV	
	25.243			498	VB	
	26.494			215	BB	
	27.580			736	BB	
	28.188			74	BB	
	28.434			40	BB	

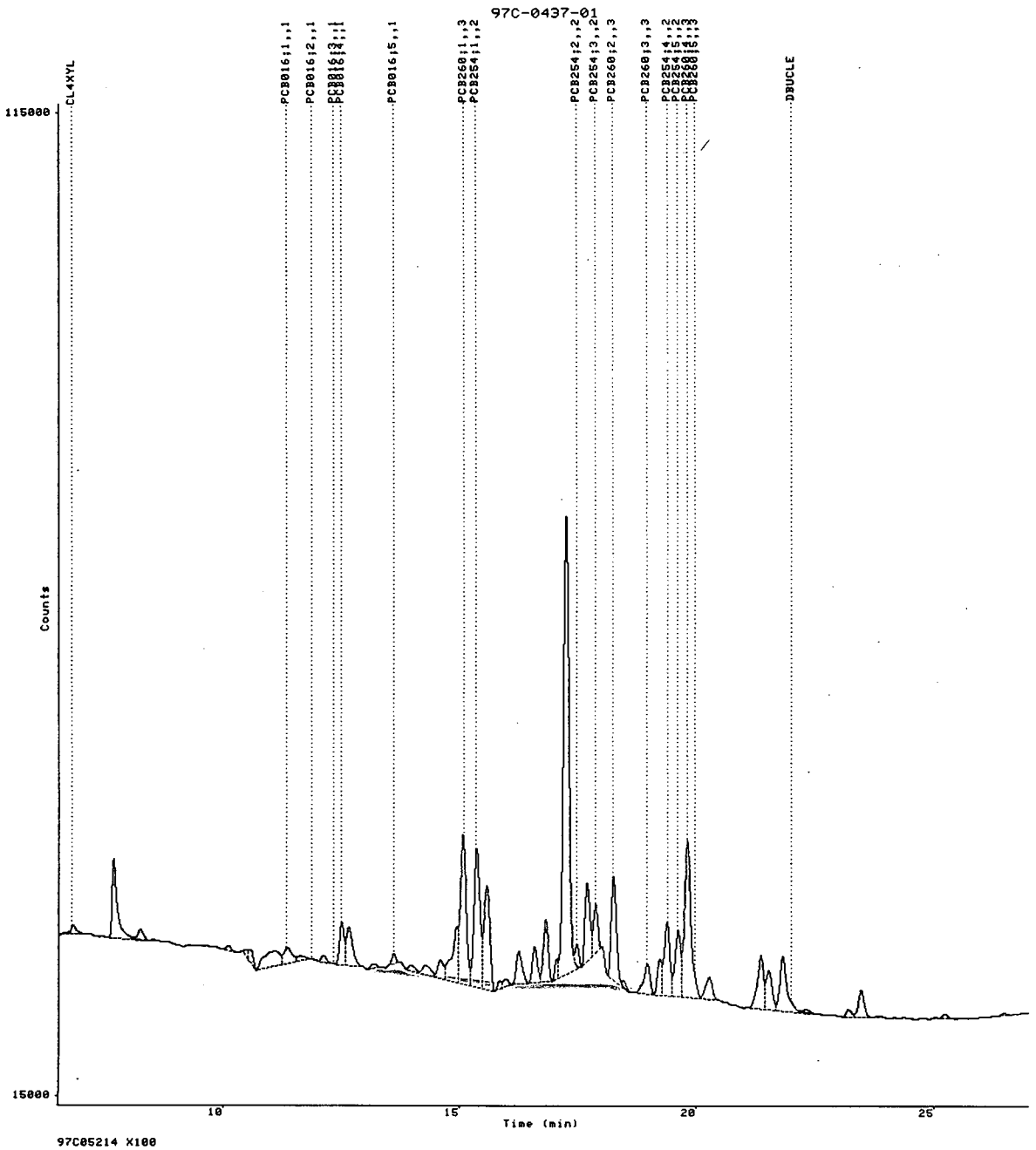
GROUP REPORT

Group	UG/ML
1	15.77
2	61.54
3	67.99

ANALYSIS NOTES

```
1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)
```

Data file: DISK:[TAYLORC]5697324028.RAW;1
Report: 1197258898
Acquired: 21-NOV-1997 04:20:15
Time range: 6.50-27.00



Date..... 1-DEC-1997 17:06:33.39 User: TAYLORC
Report number.....1197258900
Raw file.....DISK:[TAYLORC]5697324030.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 05:33:27
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05215 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....51
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel) 0307

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.16	-0.01791-	940			BB	
	7.674			8814			BB	
	8.243			764			BB	
	9.272			108			BB	
	10.105			230			BB	

	10.466			568	BV	
	10.577			1453	VB	
	11.050			1560	BV	
PCB016;1	11.363	-1.58	0.9884	1410	VE	1
	11.618			127	EB	
	12.122			773	BB	
PCB016;4	12.502	-0.31	11.79	3984	BV	1
	12.654			3487	VB	
	13.184			496	BB	
PCB016;5	13.608	-0.27	2.877	1434	BV	1
	13.732			864	VV	
	13.968			858	VV	
	14.275			1340	VV	
	14.591			2015	VV	
	14.936			5803	VV	
PCB260;1	15.070	0.30	43.00	14976	VV	3
PCB254;1	15.355	-0.39	13.16	13804	VV	2
	15.570			10105	VB	
	15.946			1526	BV	
	16.248			4456	VV	
	16.579			4600	VV	
	16.814			7158	VV	
	17.056			3227	VV	
	17.240			44056	VE	
PCB254;2	17.479	-0.15	13.82	3895	EV	2
	17.689			10128	EV	
PCB254;3	17.865	-0.06	17.76	8614	VV	2
PCB260;2	18.247	-0.76	7.350	11179	VE	3
	18.456			830	EB	
PCB260;3	18.960	-0.17	4.289	2880	BB	3
	19.227			3269	BV	
PCB254;4	19.377	0.91	13.09	7091	VV	2
PCB254;5	19.609	-0.52	15.94	6469	VV	2
PCB260;4	19.808	-0.12	12.77	15326	VV	3
	20.270			2123	VB	
	21.362			5084	BV	
	21.531			3782	VV	
	21.824			5222	VB	
	23.217			776	BV	
	23.478			2674	VE	
	23.852			165	EB	
	25.035			138	BV	
	25.240			462	VB	
	26.493			183	BB	
	27.578			733	BB	
	28.195			252	BB	

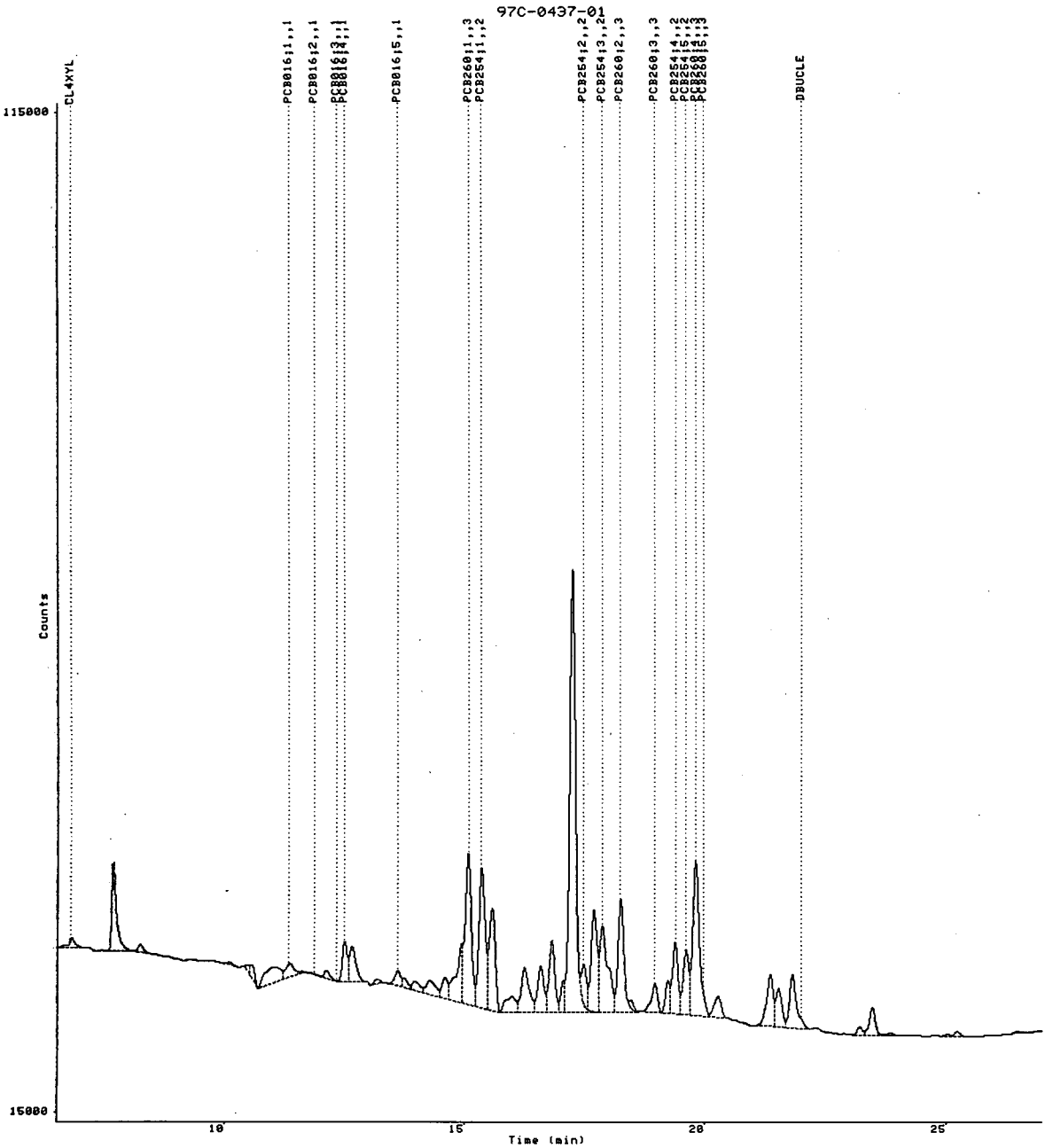
GROUP REPORT

Group	UG/ML
1	15.65
2	73.76
3	67.41

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324030.RAW;1
Report: 1197258900
Acquired: 21-NOV-1997 05:33:27
Time range: 6.50-27.00



97C05215 X100

0309

Date..... 1-DEC-1997 17:06:46.72 User: TAYLORC
Report number.....1197258901
Raw file.....DISK:[TAYLORC]5697324031.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 06:10:12
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05216 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....54
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.22	-0.02039-	929			BB	
	7.673			3287			BB	
	8.243			1045			BB	
	8.835			47			BB	
	10.464			240			BB	
	11.058			863			BV	

0310

PCB016;1	11.372	-2.09	0.7394	1104	VB	1
PCB016;3	12.330	0.69	0.2000 -	56	BV	1
PCB016;4	12.504	-0.44	15.11	5112	VV	1
	12.646			3079	VB	
	13.215			301	BB	
PCB016;5	13.608	-0.28	2.250	1148	BB	1
	14.033			694	BB	
	14.362			1024	BV	
	14.587			6424	VV	
	14.784			4024	VV	
PCB260;1	15.076	-0.07	54.50	18661	VV	3
PCB254;1	15.350	-0.06	29.21	29248	VV	2
	15.589			18583	VE	
	15.824			1255	EB	
	16.256			3575	BV	
	16.581			10803	VV	
	16.813			18123	VV	
	17.048			8427	VV	
	17.216			52810	VE	
PCB254;2	17.480	-0.21	31.78	8676	EV	2
	17.691			38807	VV	
PCB254;3	17.860	0.23	47.96	22398	VV	2
PCB260;2	18.249	-0.90	20.08	29672	VB	3
PCB260;3	18.963	-0.36	11.98	7806	BV	3
	19.226			18031	VV	
PCB254;4	19.373	1.14	40.53	20219	VV	2
PCB254;5	19.607	-0.40	47.92	18509	VV	2
PCB260;4	19.808	-0.13	41.87	46647	VE	3
	20.273			7931	EV	
	20.602			2621	VV	
	20.811			1767	VB	
	21.362			16578	BV	
	21.530			13245	VV	
	21.824			11850	VV	
	22.324			3084	VV	
	22.586			1587	VV	
	22.802			743	VB	
	23.210			2491	BV	
	23.479			6784	VE	
	23.847			787	EB	
	24.323			763	BB	
	24.657			263	BB	
	25.037			374	BV	
	25.242			915	VB	
	25.655			313	BB	
	26.489			416	BB	
	27.577			864	BB	
	28.187			361	BB	

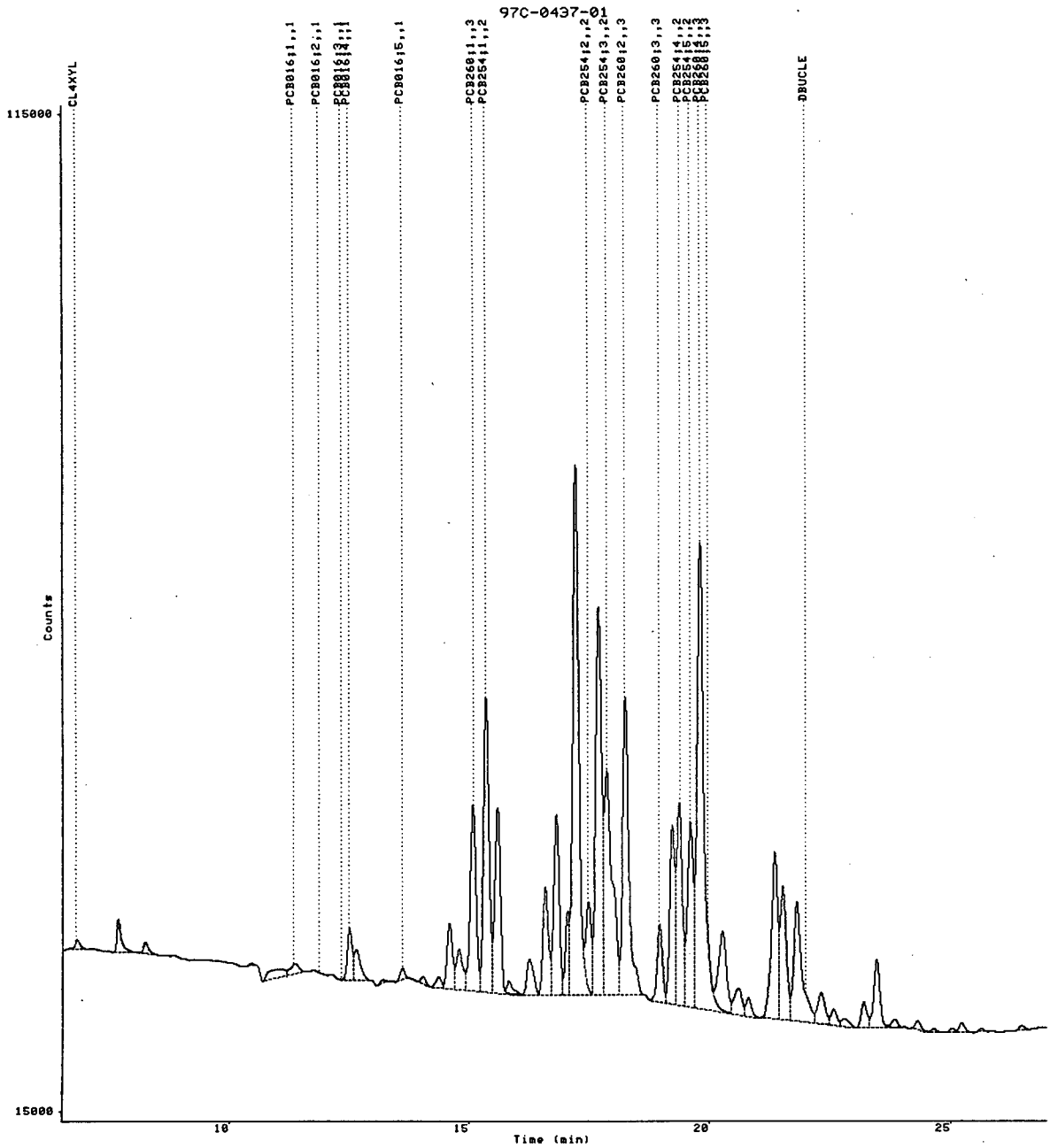
GROUP REPORT

Group	UG/ML
1	18.30
2	197.4
3	128.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324031.RAW;1
Report: 1197258901
Acquired: 21-NOV-1997 06:10:12
Time range: 6.50-27.00



97C05216 X100

0313

Date..... 1-DEC-1997 17:07:01.59 User: TAYLORC
Report number.....1197258902
Raw file.....DISK:[TAYLORC]5697324032.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 06:46:39
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05217 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0314

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.15	-0.02762-	897			BB	
	7.672			2161			BB	
	8.243			605			BB	
	9.272			81			BB	
	10.100			102			BB	

	10.464			67	BB	
	10.581			351	BB	
	11.044			1086	BV	
PCB016;1	11.363	-1.58	0.6418 -	984	VV	1
	11.633			254	VB	
	12.120			392	BB	
PCB016;4	12.505	-0.47	7.329	2454	BV	1
	12.656			2745	VE	
	12.961			194	EB	
	13.181			415	BB	
PCB016;5	13.609	-0.33	1.404	761	BB	1
	13.971			318	BV	
	14.285			849	VV	
	14.592			1438	VV	
	14.935			5636	VV	
PCB260;1	15.068	0.40	37.14	13062	VV	3
PCB254;1	15.355	-0.35	11.44	12075	VV	2
	15.566			9626	VB	
	15.983			344	BB	
	16.248			2685	BV	
	16.580			3297	VV	
	16.812			5688	VV	
	17.052			2336	VV	
	17.219			20394	VE	
PCB254;2	17.481	-0.22	11.32	3209	EV	2
	17.691			9620	VV	
PCB254;3	17.865	-0.08	15.79	7655	VV	2
PCB260;2	18.246	-0.72	6.819	10389	VE	3
	18.450			676	EB	
PCB260;3	18.960	-0.21	4.058	2730	BB	3
	19.230			3516	BV	
PCB254;4	19.375	1.00	12.16	6617	VV	2
PCB254;5	19.609	-0.57	14.42	5862	VV	2
PCB260;4	19.810	-0.22	11.87	14299	VV	3
	20.269			2001	VB	
	21.361			4728	BV	
	21.533			3728	VV	
	21.823			5147	VE	
	22.317			344	EB	
	23.214			788	BV	
	23.480			2621	VB	
	25.038			168	BV	
	25.235			626	VB	
	26.492			203	BB	
	27.578			748	BB	
	28.185			322	BV	
	28.424			147	VB	

GROUP REPORT

Group	UG/ML
1	9.375
2	65.13
3	59.89

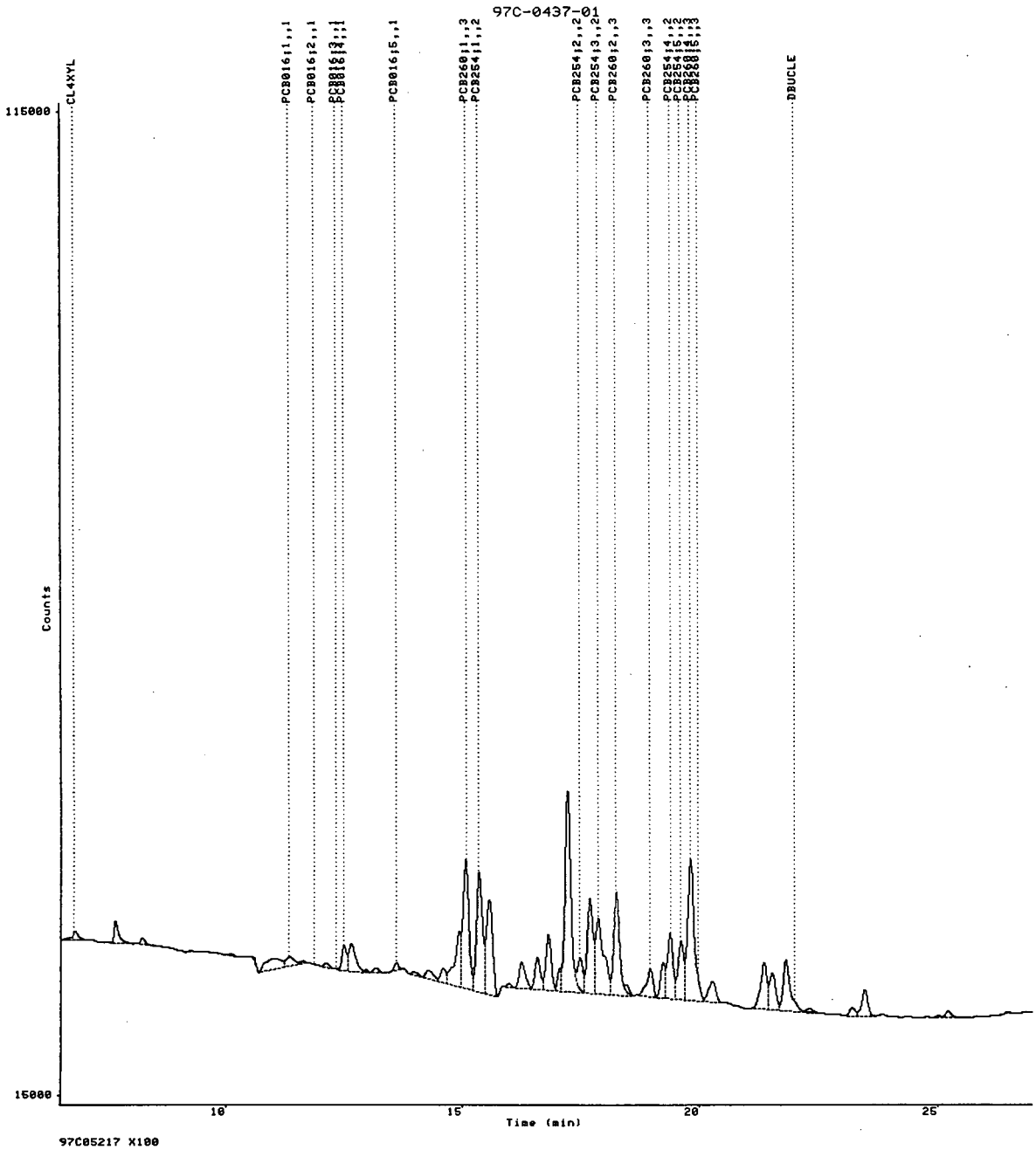
0315

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324032.RAW;1
Report: 1197258902
Acquired: 21-NOV-1997 06:46:39
Time range: 6.50-27.00



0317

Date..... 1-DEC-1997 17:07:15.98 User: TAYLORC
Report number.....1197258903
Raw file.....DISK:[TAYLORC]5697324033.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 07:23:27
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05218 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....55
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0318

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.807	-2.12	-6.160E-03-	992			BB	
	7.672			3195			BB	
	8.244			8882			BB	
	8.840			299			BB	
	9.309			79			BB	

	9.555			76	BB	
	10.107			258	BB	
	10.610			3024	BB	
	10.988			210	BB	
PCB016;1	11.363	-1.56	0.7695	1141	BV	1
	11.626			3382	VV	
	12.124			1236	VB	
PCB016;4	12.503	-0.36	25.03	8415	BV	1
	12.654			9003	VE	
	12.993			1647	EV	
	13.106			2205	EB	
PCB016;5	13.609	-0.38	4.756	2288	BV	1
	13.733			1457	VV	
	14.030			1904	VV	
	14.265			2673	VV	
	14.595			3886	VV	
	14.933			15548	VV	
PCB260;1	15.067	0.46	83.22	27457	VV	3
PCB254;1	15.360	-0.69	17.96	18548	VV	2
	15.549			17460	VB	
	15.820			1554	BV	
	15.977			1067	VV	
	16.251			5310	VV	
	16.581			5333	VV	
	16.813			8781	VV	
	17.219			37787	VE	
PCB254;2	17.475	0.12	17.81	4982	EV	2
	17.690			13840	VV	
PCB254;3	17.863	0.04	23.09	11176	VV	2
	18.010			6405	VV	
PCB260;2	18.245	-0.69	9.283	14047	VE	3
	18.455			1417	EV	
PCB260;3	18.966	-0.55	6.258	4152	VV	3
	19.229			4342	VV	
PCB254;4	19.376	0.98	17.55	9342	VV	2
PCB254;5	19.607	-0.40	23.41	9410	VV	2
PCB260;4	19.808	-0.12	15.64	18580	VE	3
	20.268			2746	EB	
	21.362			6194	BV	
	21.533			4525	VV	
	21.823			5952	VE	
	22.316			426	EB	
	23.213			1156	BV	
	23.479			3333	VB	
	23.856			153	BB	
	25.037			160	BV	
	25.241			525	VB	
	26.496			223	BB	
	27.577			909	BB	
	28.195			174	BB	

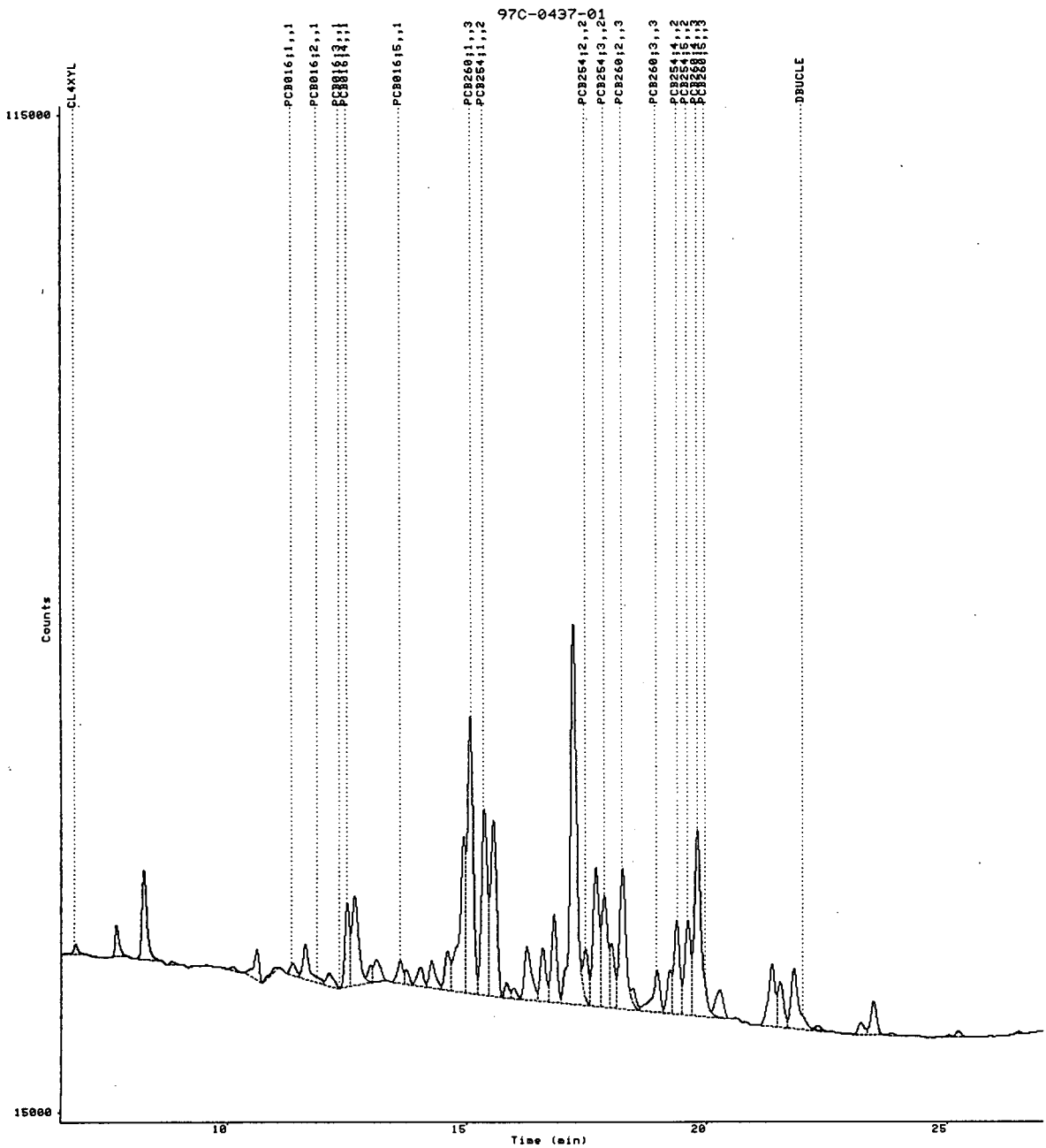
GROUP REPORT

Group	UG/ML
1	30.56
2	99.82
3	114.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324033.RAW;1
Report: 1197258903
Acquired: 21-NOV-1997 07:23:27
Time range: 6.50-27.00



97C05218 X100

0321

Date..... 1-DEC-1997 17:07:29.69 User: TAYLORC
Report number.....1197258904
Raw file.....DISK:[TAYLORC]5697324034.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 08:00:11
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05219 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0322

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.13	-5.031E-03-	997			BB	
	7.673			10704			BE	
	8.240			743			EB	
	9.260			69			BB	
	10.100			183			BB	

	10.454			68	BB	
	10.577			360	BB	
	11.052			1269	BV	
PCB016;1	11.361	-1.47	0.7459	1112	VV	1
	11.630			286	VB	
	12.119			476	BB	
PCB016;4	12.498	-0.06	12.16	4110	BV	1
	12.651			3204	VE	
	12.962			211	EB	
	13.175			439	BB	
PCB016;5	13.608	-0.29	1.863	971	BB	1
	13.967			431	BV	
	14.278			976	VV	
	14.589			1635	VV	
	14.935			5584	VV	
PCB260;1	15.067	0.49	37.07	13038	VV	3
PCB254;1	15.355	-0.34	11.40	12040	VV	2
	15.566			9526	VB	
	15.936			1154	BV	
	16.246			3442	VV	
	16.578			3436	VV	
	16.812			5413	VB	
	17.053			1665	BV	
	17.244			47511	VE	
PCB254;2	17.475	0.10	6.393	1837	EB	2
	17.689			6852	BV	
PCB254;3	17.863	0.04	8.708	4141	VB	2
PCB260;2	18.245	-0.63	5.701	8717	BE	3
	18.449			505	EB	
PCB260;3	18.958	-0.08	3.879	2614	BB	3
	19.227			3323	BV	
PCB254;4	19.374	1.06	11.46	6261	VV	2
PCB254;5	19.606	-0.36	13.68	5564	VV	2
PCB260;4	19.806	-0.01	10.99	13292	VB	3
	20.268			1799	BB	
	21.360			4496	BV	
	21.528			3458	VV	
	21.822			4711	VE	
	22.316			287	EB	
	23.213			707	BV	
	23.478			2431	VB	
	23.850			88	BB	
	25.037			106	BV	
	25.233			569	VB	
	26.490			184	BB	
	27.578			784	BB	
	28.189			225	BB	

GROUP REPORT

Group	UG/ML
1	14.77
2	51.64
3	57.64

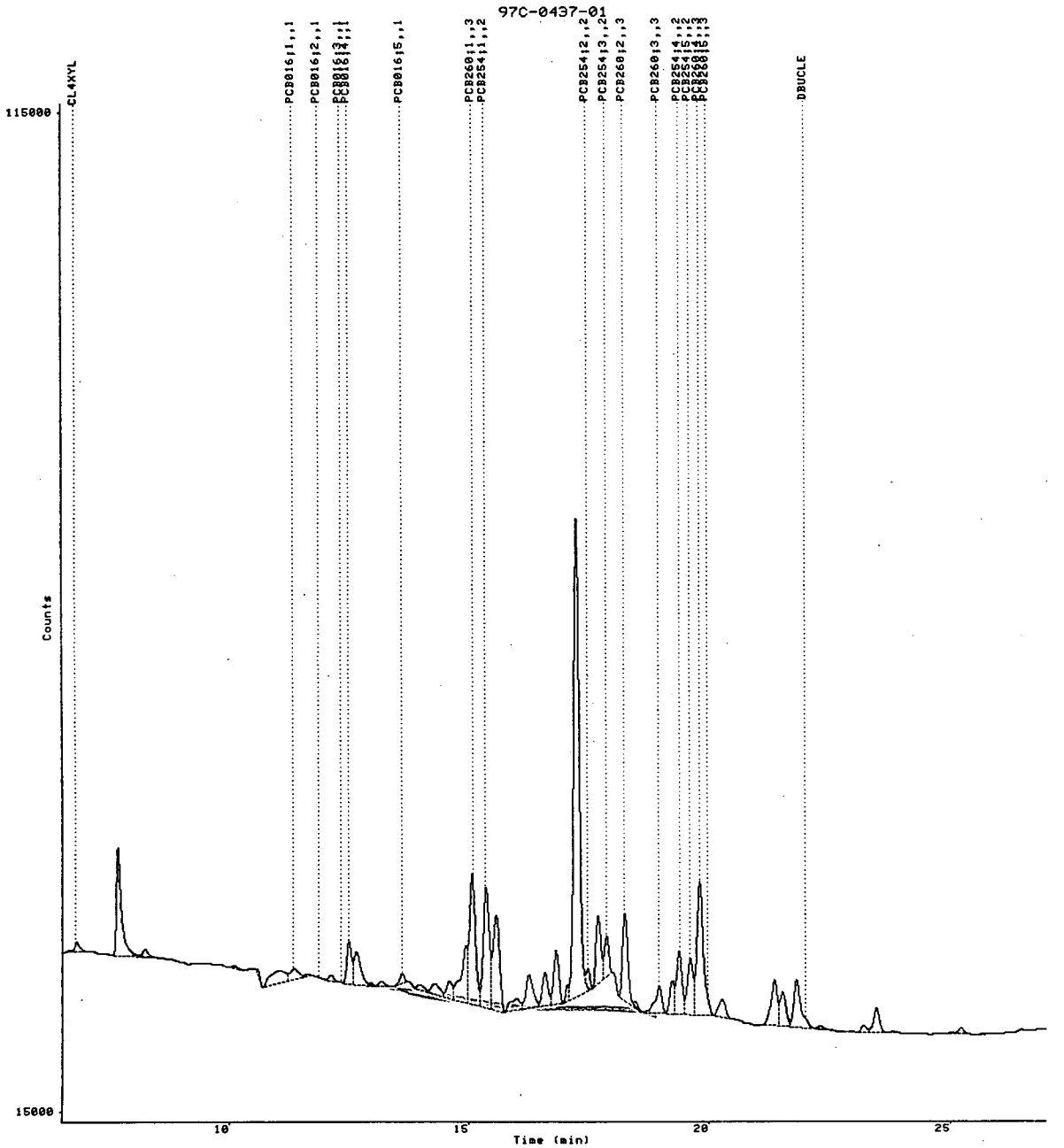
0323

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324034.RAW;1
Report: 1197258904
Acquired: 21-NOV-1997 08:00:11
Time range: 6.50-27.00



97C05219 X100

0325

Date..... 1-DEC-1997 17:07:42.73 User: TAYLORC
Report number.....1197258905
Raw file.....DISK:[TAYLORC]5697324035.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 08:36:57
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05220 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....31
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
13.60	PCB016;5	1		
17.48	PCB254;2	2		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel) 0326

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.18	-0.04524-	819			BB	
	7.675			4890			BB	
	9.242			25			BB	

PCB016;4	12.498	-0.06	2.716	850	BB	1
	14.589			337	BB	
PCB260;1	15.077	-0.12	4.238	1870	BV	3
PCB254;1	15.355	-0.34	3.078	3488	VV	2
	15.590			2336	VB	
	15.849			92	BB	
	16.250			236	BB	
	16.583			850	BV	
	16.815			1695	VB	
	17.055			414	BV	
	17.251			22860	VB	
	17.695			3017	BV	
PCB254;3	17.862	0.10	5.065	2295	VV	2
PCB260;2	18.252	-1.07	2.065	3235	VB	3
PCB260;3	18.964	-0.40	1.034	761	BB	3
	19.234			1198	BV	
PCB254;4	19.376	0.94	3.718	2221	VV	2
PCB254;5	19.610	-0.59	4.544	1836	VV	2
PCB260;4	19.812	-0.38	4.080	5245	VE	3
	20.272			616	EB	
	21.366			1662	BV	
	21.535			1127	VV	
	21.825			1140	VV	
DBUCLE	21.996	0.99	-8.895E-03-	687	VB	
	22.317			125	BB	
	23.212			120	BB	
	23.480			597	BB	
	27.580			732	BB	

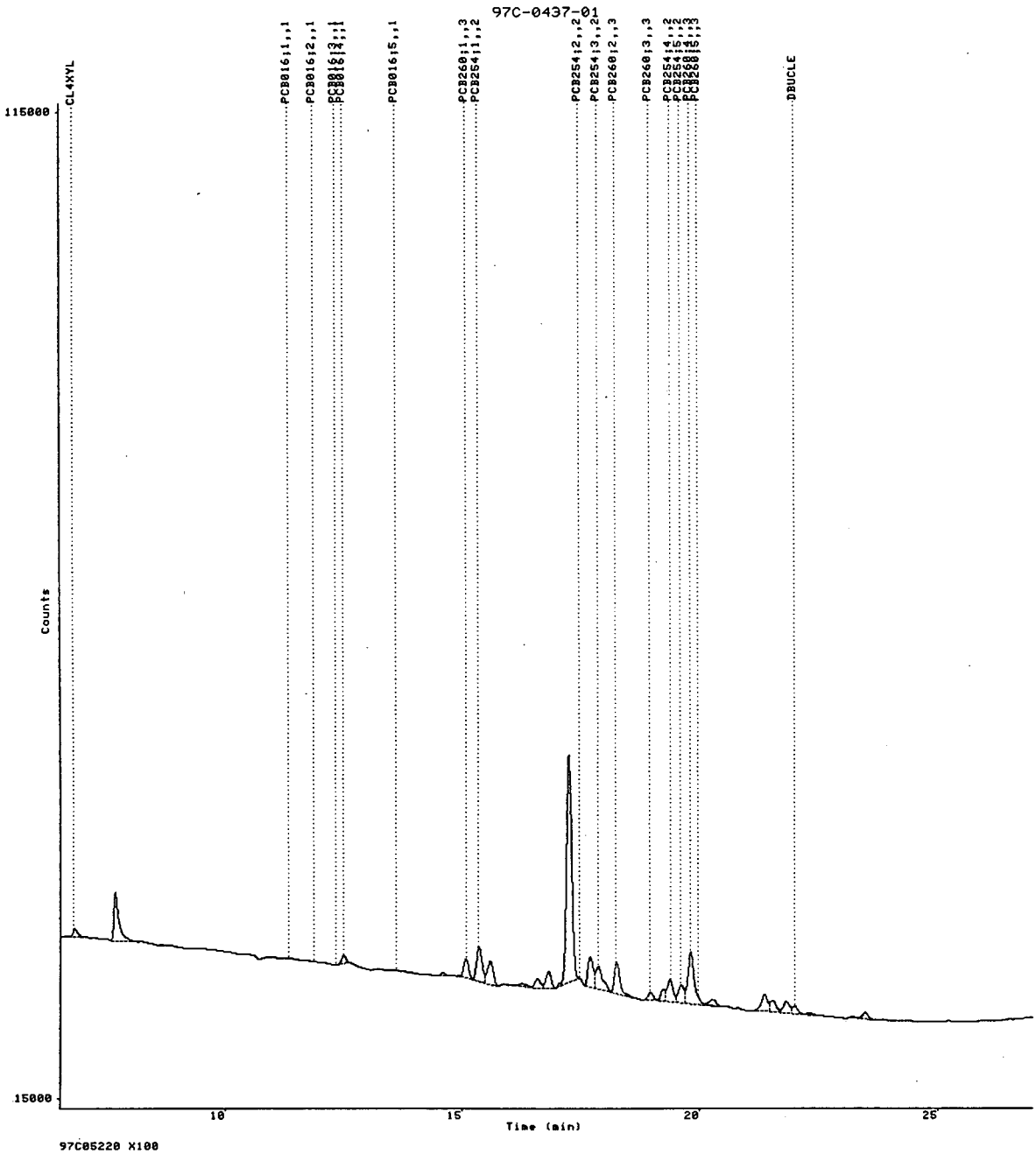
GROUP REPORT

Group	UG/ML
1	2.716
2	16.40 xs/x = 20.50
3	11.42

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324035.RAW;1
Report: 1197258905
Acquired: 21-NOV-1997 08:36:57
Time range: 6.50-27.00



0328

Date..... 1-DEC-1997 17:07:55.34 User: TAYLORC
Report number.....1197258906
Raw file.....DISK:[TAYLORC]5697324036.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 09:13:43
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05221 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....5
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB016;5	1		
15.08	PCB260;1	3		
15.35	PCB254;1	2		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.23	PCB260;2	3		
18.96	PCB260;3	3		
19.39	PCB254;4	2		
19.60	PCB254;5	2		
19.81	PCB260;4	3		
19.96	PCB260;5	3		

0329

EXTERNAL STANDARD ANALYSIS

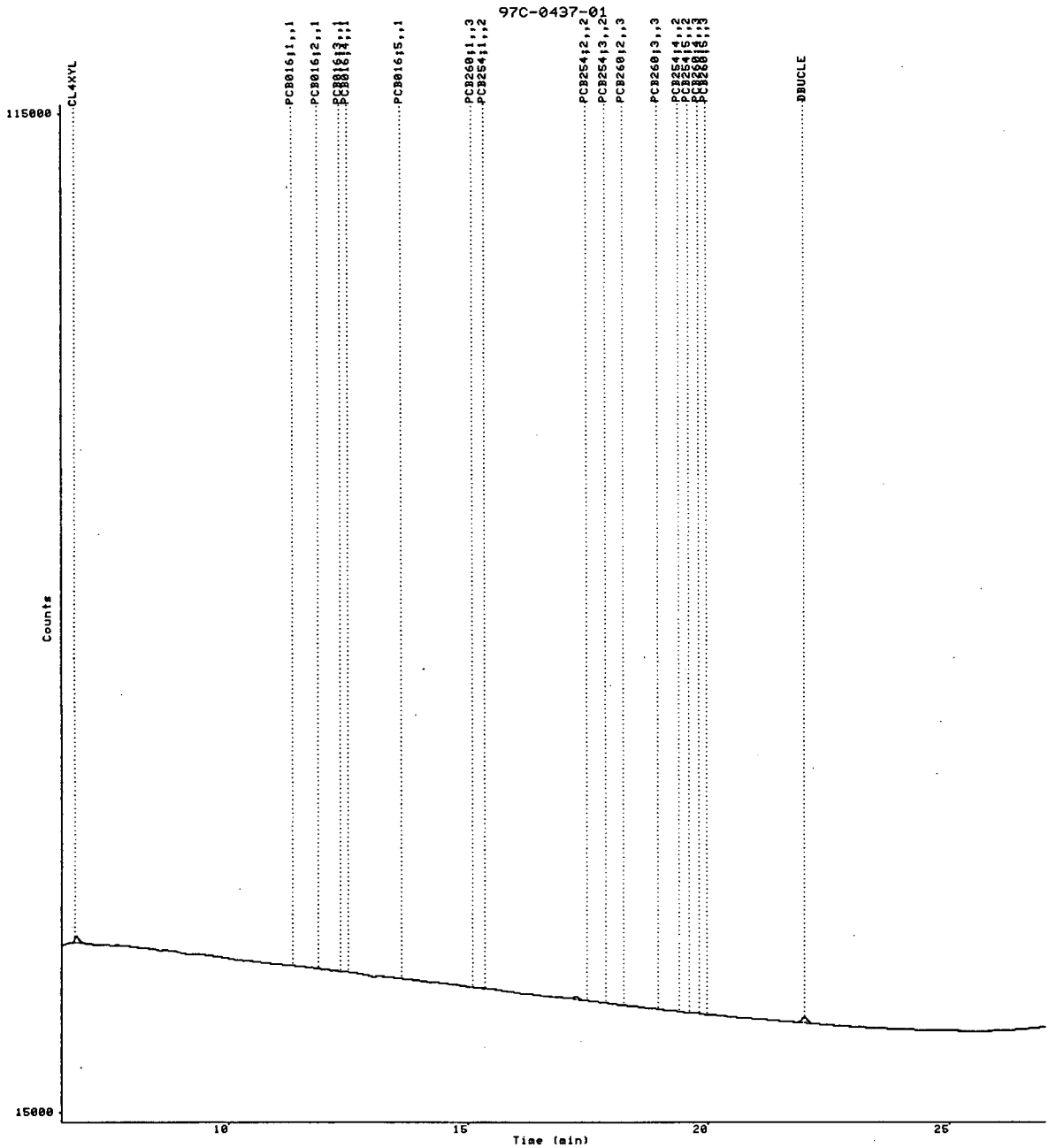
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.809	-2.25	-0.07642-	681		BB	
	7.671			73		BB	
	17.240			191		BB	
DBUCLE	22.000	0.71	-0.06574-	504		BB	
	27.580			710		BB	

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324036.RAW;1
Report: 1197258906
Acquired: 21-NOV-1997 09:13:43
Time range: 6.50-27.00



97C05221 X100

0331

Date..... 1-DEC-1997 17:08:09.38 User: TAYLORC
Report number.....1197258907
Raw file.....DISK:[TAYLORC]5697324037.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 09:50:28
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05222 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....59
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.19	0.02434-	1127			BB	
	7.456			75			BB	
	7.676			10499			BV	
	8.244			7134			VB	
	8.829			241			BB	

0222

	9.283				64	BB	
	9.584				133	BB	
	10.109				683	BV	
	10.611				4397	VB	
	11.052				1826	BV	
PCB016;1	11.364	-1.61	1.972		2616	VV	1
	11.623				2070	VV	
	12.123				1269	VB	
PCB016;4	12.503	-0.37	27.40		9188	BV	1
	12.653				8123	VV	
	12.994				2013	VV	
	13.129				2660	VB	
PCB016;5	13.609	-0.34	5.389		2575	BV	1
	13.743				1628	VV	
	14.029				1929	VV	
	14.264				4649	VV	
	14.601				4611	VV	
	14.934				32984	VV	
PCB260;1	15.063	0.74	138.6	+	42769	VV	3
PCB254;1	15.364	-0.91	27.49		27649	VV	2
	15.546				34179	VB	
	15.821				1687	BV	
	15.983				1949	VV	
	16.251				6679	VV	
	16.580				8101	VV	
	16.810				12860	VV	
	17.058				5372	VV	
	17.240				83414	VE	
PCB254;2	17.475	0.13	25.74		7101	EV	2
	17.687				20851	VV	
PCB254;3	17.862	0.14	34.32		16391	VV	2
	18.008				8274	VV	
PCB260;2	18.239	-0.28	15.81		23570	VE	3
	18.448				1867	EV	
PCB260;3	18.963	-0.35	10.14		6637	VV	3
	19.227				6981	VV	
PCB254;4	19.377	0.91	26.93		13924	VV	2
PCB254;5	19.608	-0.50	33.08		13100	VV	2
PCB260;4	19.807	-0.05	24.87		28805	VV	3
	20.268				4436	VB	
	20.802				145	BB	
	21.360				9898	BV	
	21.531				7561	VV	
	21.823				9839	VE	
	22.318				631	EB	
	23.214				1930	BV	
	23.476				5075	VE	
	23.863				283	EB	
	25.039				330	BV	
	25.240				994	VB	
	26.492				381	BB	
	27.187				71	BB	
	27.577				919	BB	
	28.190				307	BB	

0333

GROUP REPORT

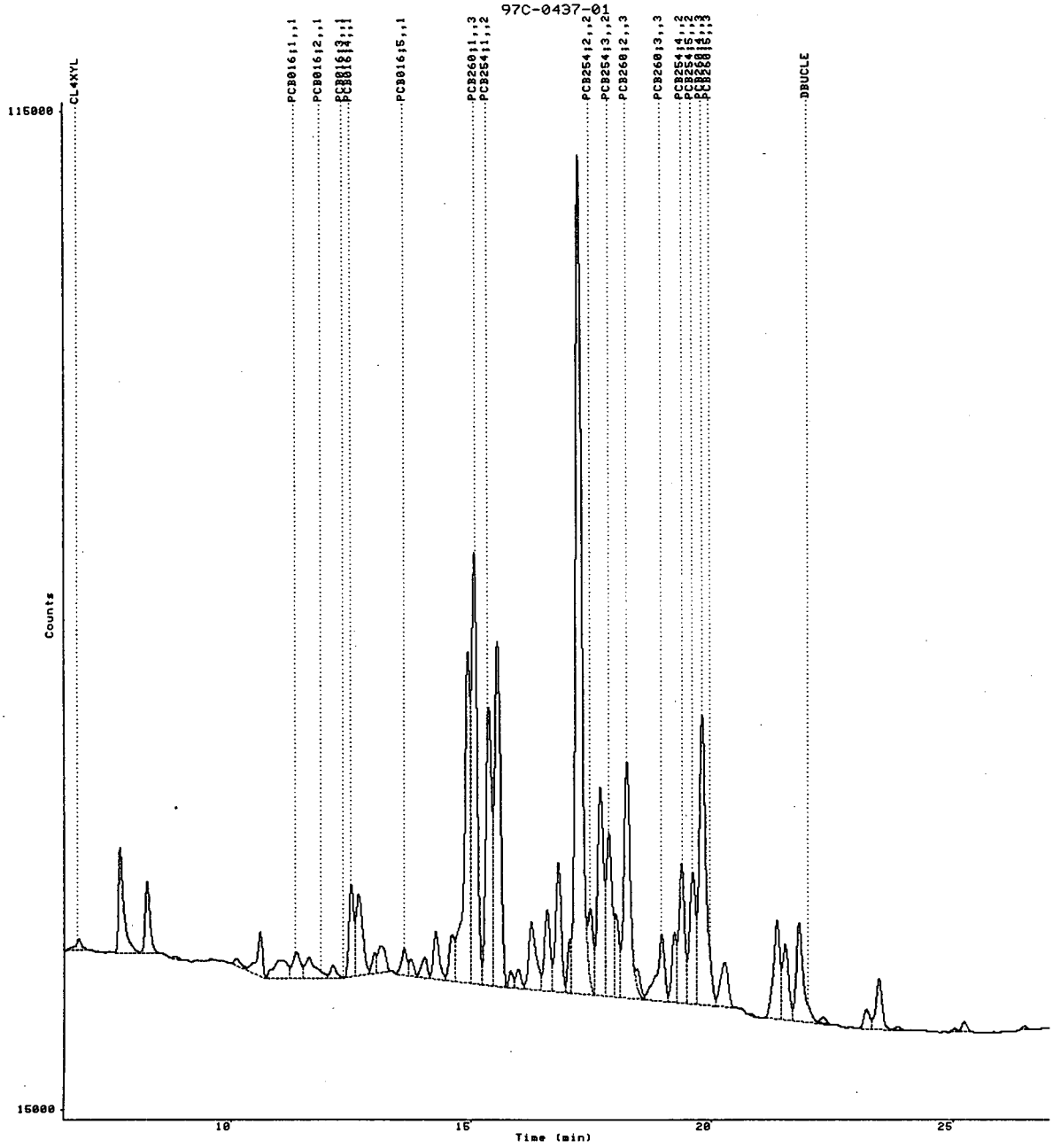
Group	UG/ML
1	34.76

2	147.6
3	189.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324037.RAW;1
Report: 1197258907
Acquired: 21-NOV-1997 09:50:28
Time range: 6.50-27.00



97C05222 X100

0337

Date..... 1-DEC-1997 17:08:22.73 User: TAYLORC
Report number.....1197258908
Raw file.....DISK:[TAYLORC]5697324038.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 10:27:16
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05223 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....59
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.24	-0.02265-	919			BB	
	7.674			6959			BV	
	8.244			4826			VB	
	9.563			187			BB	
	10.108			327			BB	
	10.618			5695			BB	

0336

	10.810				120	BB	
	10.994				156	BB	
PCB016;1	11.372	-2.11	1.093		1539	BV	1
	11.622				2242	VB	
	12.120				947	BV	
PCB016;3	12.311	1.83	1.441		545	VV	1
PCB016;4	12.502	-0.33	25.90		8700	VV	1
	12.657				8738	VV	
	13.006				3238	VV	
	13.105				4245	VE	
	13.344				635	EV	
PCB016;5	13.610	-0.44	7.626		3584	VV	1
	13.738				2134	VV	
	14.019				1944	VV	
	14.265				6229	VV	
	14.599				4093	VV	
	14.932				36824	VV	
PCB260;1	15.060	0.88	141.7	+	43578	VV	3
PCB254;1	15.366	-1.03	25.74		26014	VV	2
	15.544				36955	VE	
	15.814				1832	EV	
	15.986				2503	EV	
	16.251				6713	VV	
	16.579				6864	VV	
	16.812				11208	VV	
	17.049				5297	VV	
	17.232				58213	VE	
PCB254;2	17.481	-0.21	24.21		6696	EV	2
	17.688				16720	VV	
PCB254;3	17.862	0.11	29.59		14227	VV	2
	18.004				7887	VV	
PCB260;2	18.236	-0.11	14.48		21649	VE	3
	18.446				1471	EV	
	18.831				2281	EV	
PCB260;3	18.961	-0.25	7.568		4994	VV	3
	19.227				4888	VV	
PCB254;4	19.376	0.97	22.84		11952	VV	2
PCB254;5	19.608	-0.47	28.78		11476	VV	2
PCB260;4	19.807	-0.04	20.64		24169	VE	3
	20.269				3635	EB	
	21.362				8204	BV	
	21.533				5879	VV	
	21.823				8393	VE	
	22.315				449	EB	
	23.212				1719	BV	
	23.478				4678	VE	
	23.861				330	EB	
	25.042				293	BV	
	25.240				933	VB	
	26.489				322	BB	
	27.184				98	BB	
	27.577				771	BB	
	28.045				222	BB	

GROUP REPORT

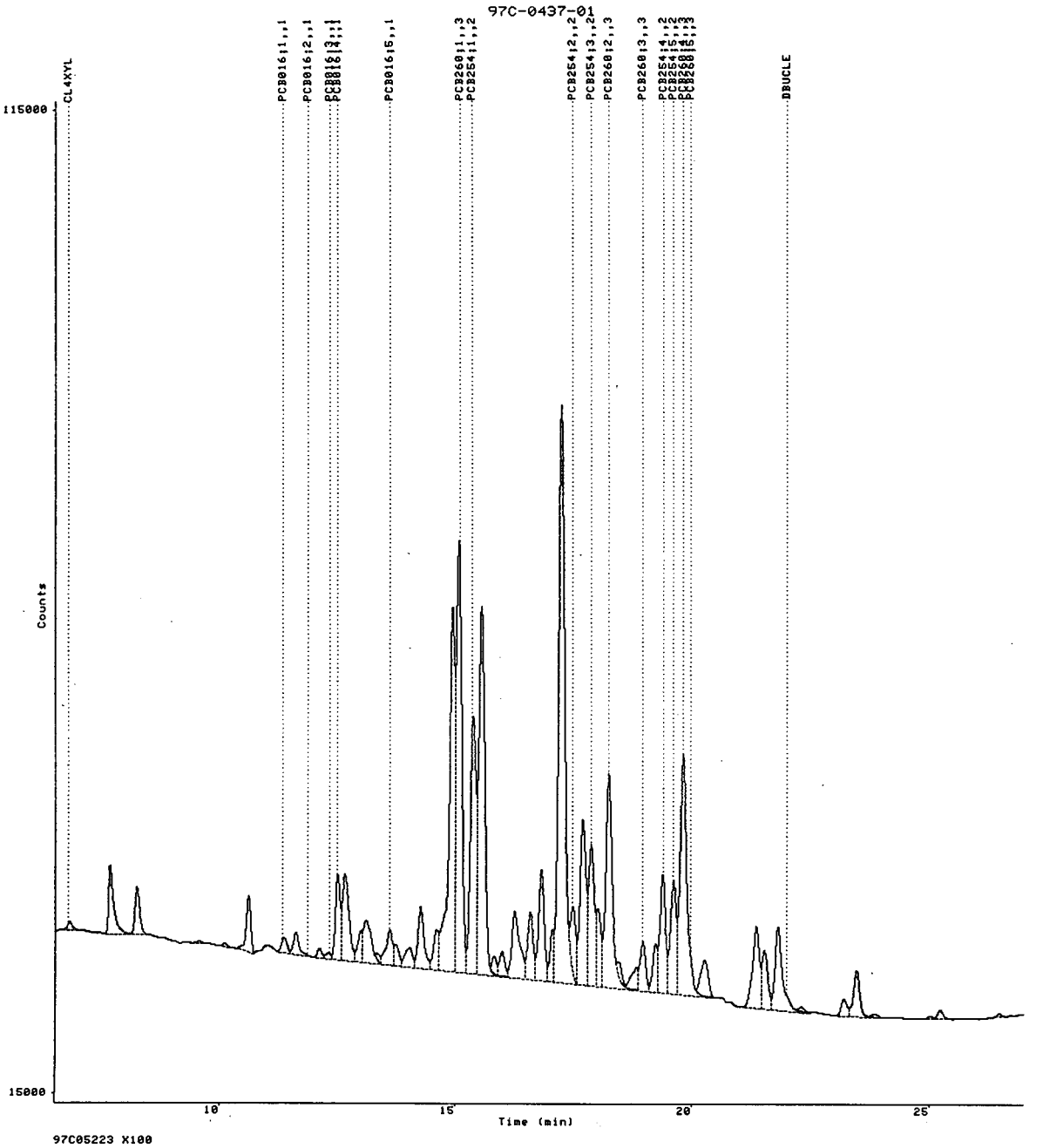
Group	UG/ML
1	36.06
2	131.2

3 184.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324038.RAW;1
Report: 1197258908
Acquired: 21-NOV-1997 10:27:16
Time range: 6.50-27.00



0339

Date..... 1-DEC-1997 17:08:35.92 User: TAYLORC
Report number.....1197258909
Raw file.....DISK:[TAYLORC]5697324039.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 11:04:01
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05224 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....3
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB016;5	1		
15.08	PCB260;1	3		
15.35	PCB254;1	2		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.23	PCB260;2	3		
18.96	PCB260;3	3		
19.39	PCB254;4	2		
19.60	PCB254;5	2		
19.81	PCB260;4	3		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

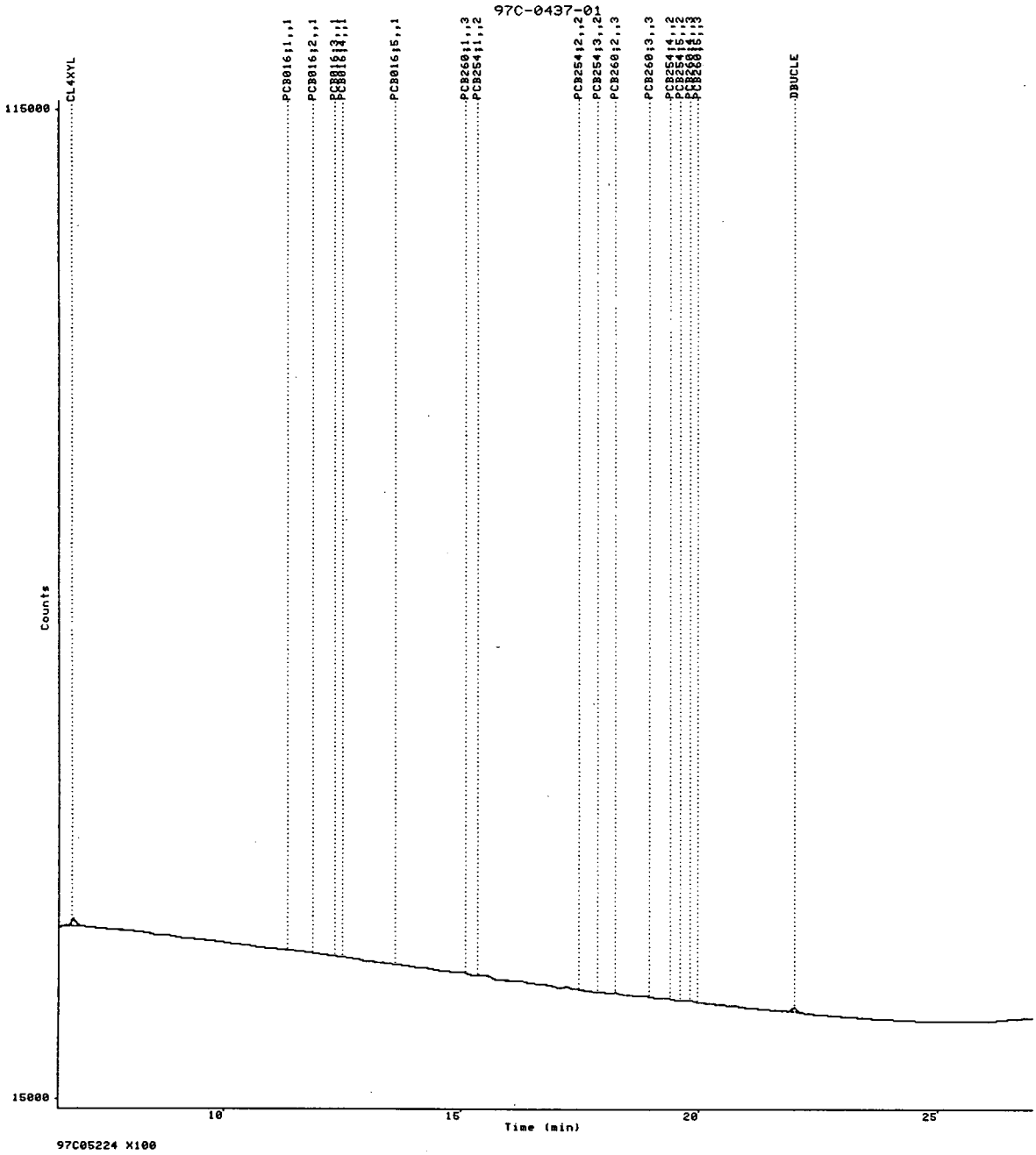
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.808	-2.18	-0.06015-	753		BB	
DBUCLE	21.999	0.77	-0.09246-	418		BB	
	27.579			715		BB	

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324039.RAW;1
Report: 1197258909
Acquired: 21-NOV-1997 11:04:01
Time range: 6.50-27.00



0342

Date..... 1-DEC-1997 17:09:04.80 User: TAYLORC
Report number.....1197258911
Raw file.....DISK:[TAYLORC]5697324041.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 12:17:33
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05225 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....39
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.811	-2.32	-0.06377-	737			BB	
	7.674			2018			BB	
	8.243			218			BB	
	10.902			274			BB	
PCB016;4	12.510	-0.76	2.130	645			BV	1

9343

	12.643			666	VB	
	13.196			220	BB	
PCB016;5	13.603	-0.02	-0.03769-	100	BB	1
	13.776			166	BB	
	14.286			345	BB	
	14.599			76	BB	
	14.935			1612	BV	
PCB260;1	15.066	0.52	10.79	4161	VV	3
PCB254;1	15.363	-0.82	3.150	3563	VV	2
	15.557			3568	VB	
	16.017			972	BV	
	16.250			1555	VV	
	16.582			1202	VV	
	16.812			1691	VB	
	17.239			9528	BE	
PCB254;2	17.475	0.14	2.933	861	EV	2
	17.693			2162	EV	
PCB254;3	17.866	-0.13	4.983	2253	VV	2
PCB260;2	18.246	-0.72	2.159	3377	VB	3
PCB260;3	18.961	-0.23	1.101	805	BB	3
	19.234			685	BV	
PCB254;4	19.377	0.92	3.057	1870	VV	2
PCB254;5	19.609	-0.52	4.370	1764	VV	2
PCB260;4	19.810	-0.26	3.325	4354	VE	3
	20.258			537	EB	
	21.363			1310	BV	
	21.526			882	VV	
	21.823			1561	VV	
DBUCLE	21.989	1.40	-0.01915-	654	VB	
	23.209			164	BB	
	23.479			723	BB	
	25.238			118	BB	
	27.578			659	BB	
	28.225			64	BB	

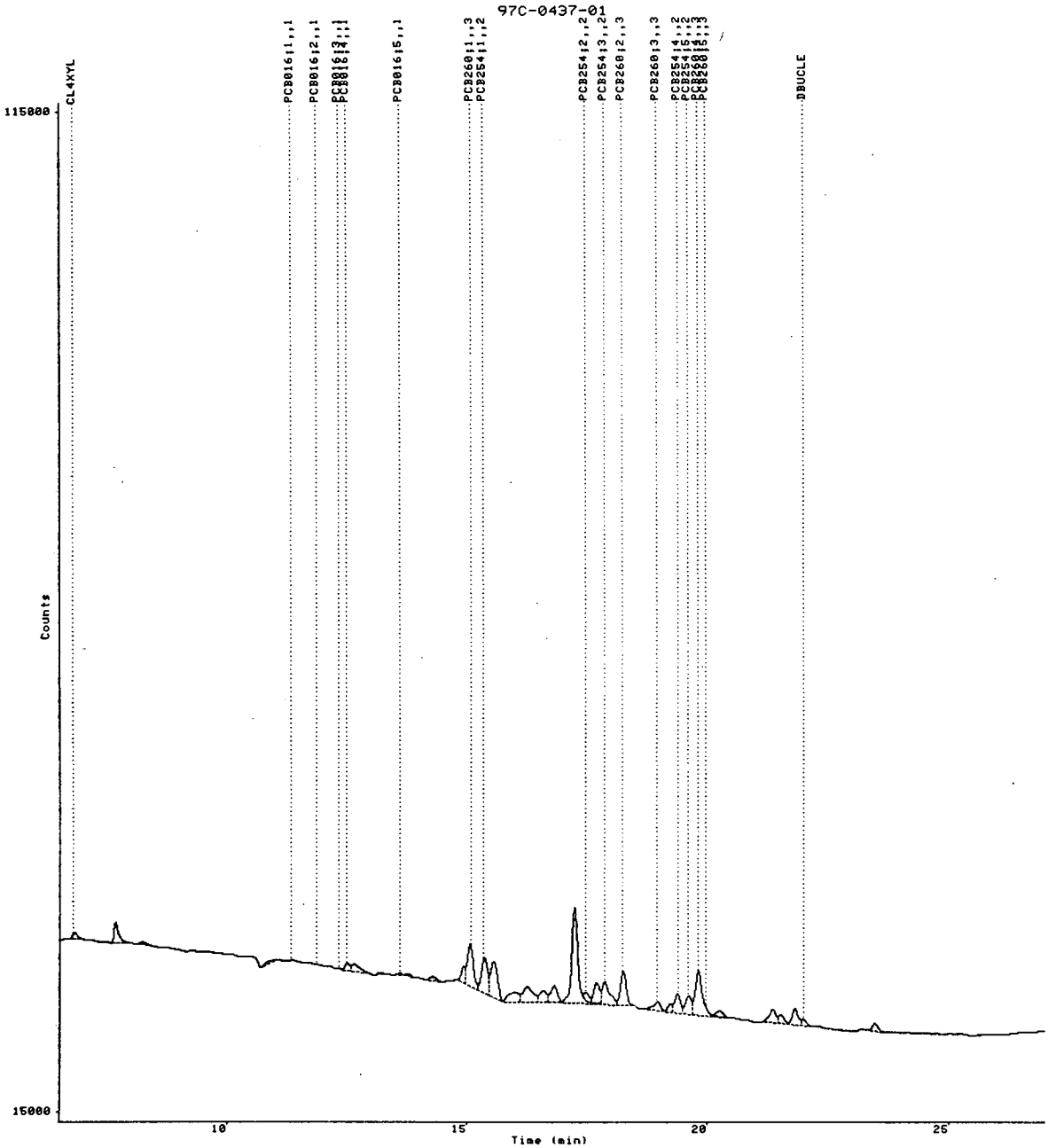
GROUP REPORT

Group	UG/ML
1	2.093
2	18.49
3	17.38

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324041.RAW;1
Report: 1197258911
Acquired: 21-NOV-1997 12:17:33
Time range: 6.50-27.00



97C05225 X100

0345

Date..... 1-DEC-1997 17:09:17.37 User: TAYLORC
Report number.....1197258912
Raw file.....DISK:[TAYLORC]5697324042.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 12:54:18
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05226 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....50
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.20	-0.03847-	849			BB	
	7.675			10925			BE	
	8.241			653			EB	
	9.270			83			BB	
	10.106			173			BB	

	10.464			71	BB	
	10.580			310	BB	
	11.028			1310	BV	
PCB016;1	11.365	-1.68	0.7297	1092	VV	1
	11.629			361	VB	
	12.122			793	BB	
PCB016;4	12.501	-0.26	14.74	4985	BV	1
	12.656			3832	VB	
	13.168			388	BB	
PCB016;5	13.611	-0.47	2.279	1161	BB	1
	13.971			608	BV	
	14.272			775	VV	
	14.592			1405	VV	
	14.932			4571	VV	
PCB260;1	15.070	0.27	34.94	12337	VV	3
PCB254;1	15.357	-0.46	10.12	10743	VV	2
	15.570			7931	VB	
	15.845			276	BB	
	15.979			217	BB	
	16.248			2977	BV	
	16.581			3059	VV	
	16.814			5215	VV	
	17.050			2162	VV	
	17.250			59151	VE	
PCB254;2	17.474	0.17	10.79	3061	EV	2
	17.691			8114	EV	
PCB254;3	17.864	-0.02	13.89	6724	VV	2
PCB260;2	18.247	-0.79	5.758	8802	VE	3
	18.452			618	EB	
PCB260;3	18.959	-0.12	3.321	2252	BB	3
	19.234			2759	BV	
PCB254;4	19.375	1.03	10.33	5681	VV	2
PCB254;5	19.610	-0.58	12.82	5221	VV	2
PCB260;4	19.808	-0.11	9.864	11992	VV	3
	20.269			1650	VB	
	21.361			3920	BV	
	21.531			2995	VV	
	21.823			4087	VB	
	23.213			660	BV	
	23.478			2085	VB	
	25.041			120	BV	
	25.241			410	VB	
	26.495			165	BB	
	27.578			705	BB	
	28.201			71	BB	

GROUP REPORT

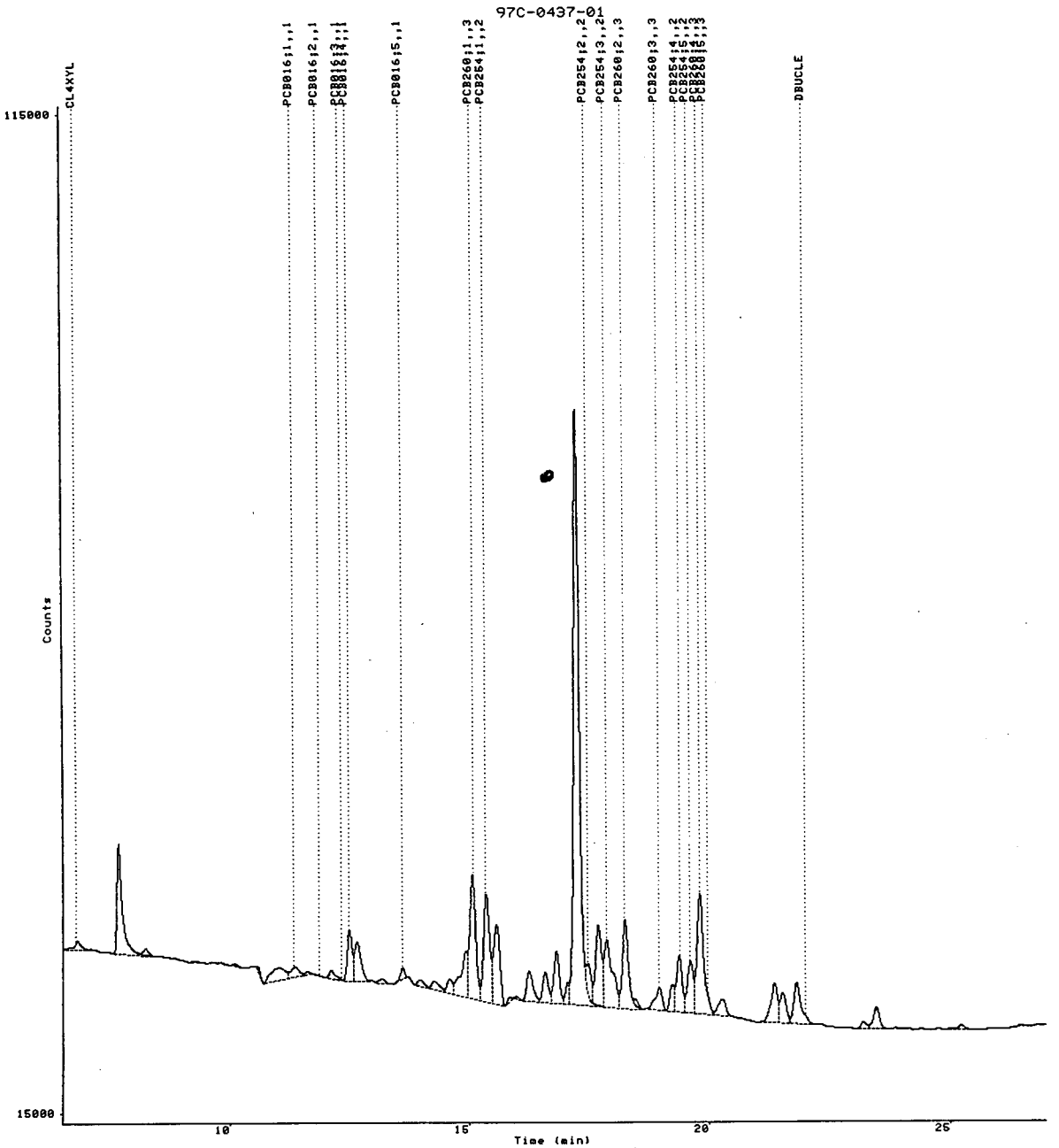
Group	UG/ML
1	17.74
2	57.96
3	53.88

0347

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324042.RAW;1
Report: 1197258912
Acquired: 21-NOV-1997 12:54:18
Time range: 6.50-27.00



97C05226 X100

0348

Date..... 1-DEC-1997 17:09:30.63 User: TAYLORC
Report number.....1197258913
Raw file.....DISK:[TAYLORC]5697324043.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 13:31:10
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05227 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....6
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB016;5	1		
15.08	PCB260;1	3		
15.35	PCB254;1	2		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.23	PCB260;2	3		
18.96	PCB260;3	3		
19.39	PCB254;4	2		
19.60	PCB254;5	2		
19.81	PCB260;4	3		
19.96	PCB260;5	3		

0349

EXTERNAL STANDARD ANALYSIS

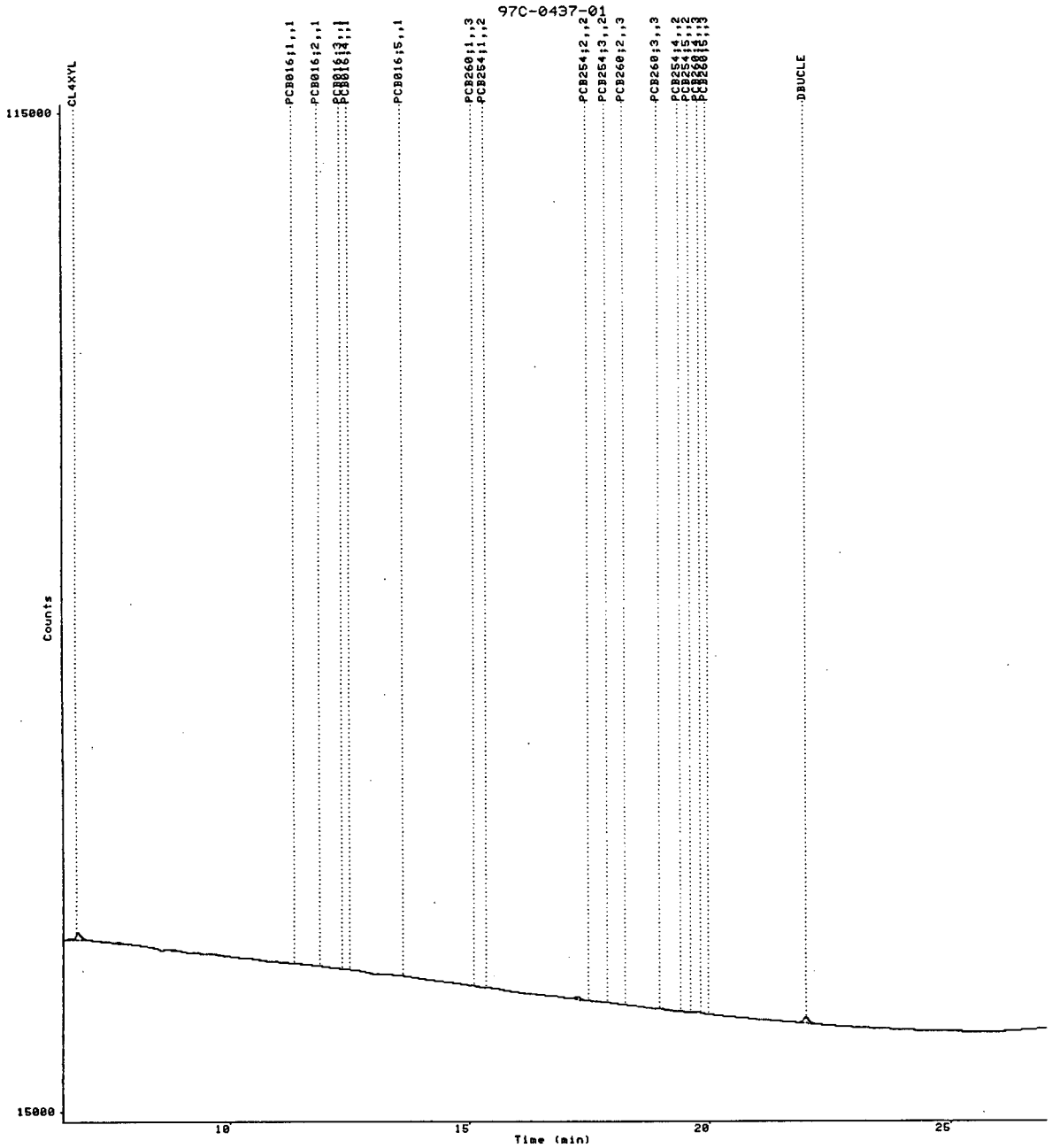
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.810	-2.29	-0.05789-	763			BB	
	7.669			106			BB	
	8.674			51			BB	
	17.235			192			BB	
DBUCLE	22.002	0.61	-0.05860-	527			BB	
	27.578			758			BB	

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324043.RAW;1
Report: 1197258913
Acquired: 21-NOV-1997 13:31:10
Time range: 6.50-27.00



97C05227 X100

0351

Date..... 1-DEC-1997 17:09:43.34 User: TAYLORC
Report number.....1197258914
Raw file.....DISK:[TAYLORC]5697324044.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 14:07:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05228 X100
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....3
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
12.34	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB016;5	1		
15.08	PCB260;1	3		
15.35	PCB254;1	2		
17.48	PCB254;2	2		
17.86	PCB254;3	2		
18.23	PCB260;2	3		
18.96	PCB260;3	3		
19.39	PCB254;4	2		
19.60	PCB254;5	2		
19.81	PCB260;4	3		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

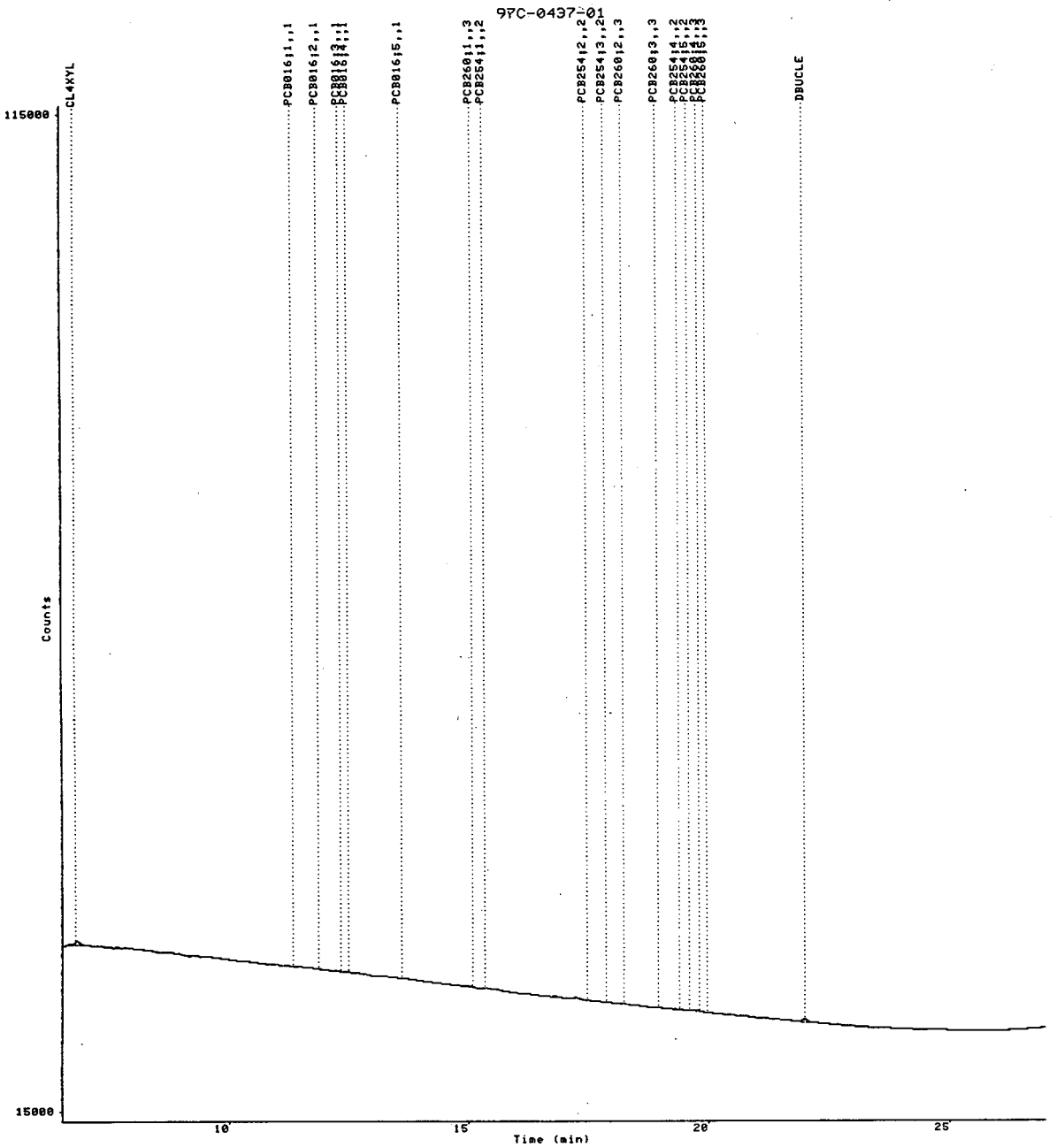
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.812	-2.38	-0.1171 -	501			BB	
DBUCLE	21.997	0.87	-0.1605 -	199			BB	
	27.580			327			BB	

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324044.RAW;1
Report: 1197258914
Acquired: 21-NOV-1997 14:07:55
Time range: 6.50-27.00



97C05228 X100

0354

Date..... 1-DEC-1997 17:09:57.41 User: TAYLORC
Report number.....1197258915
Raw file.....DISK:[TAYLORC]5697324045.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 14:44:40
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....93
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;2	1	
12.34	PCB016;3	1	
19.96	PCB260;5	3	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.659			1447		BV	
CL4XYL	6.804	-1.93	15.10	66383		VE	
	7.098			1253		EB	
	7.403			662		BV	
	7.671			325081		VV	

	8.233				50686	VE	
	8.532				8657	EV	
	8.830				9438	EV	
	9.006				1046	VB	
	9.278				562	BB	
	9.538				9878	BV	
	9.819				3189	VV	
	10.099				11491	VB	
	10.452				11750	BV	
	10.623				29432	VV	
	10.771				11968	VV	
	10.963				17065	VV	
	11.046				15953	VV	
PCB016;1	11.342	-0.31	34.57		40568	VB	1
	11.631				8124	BB	
	12.116				19393	BV	
PCB016;4	12.486	0.63			252271	VV	1
	12.640				119029	VE	
	12.989				28766	EV	
	13.133				40541	VE	
	13.361				7290	EV	
PCB016;5	13.599	0.22	186.1	+	63775	VV	1
	13.758				35489	VV	
	13.969				31214	VV	
	14.286				63794	VV	
	14.572				76507	VV	
	14.780				91800	VV	
	14.939				324078	VV	
PCB260;1	15.066	0.55			564262	VV	3
PCB254;1	15.353	-0.24			497898	VV	2
	15.562				431092	VE	
	15.751				29740	EV	
	15.991				44208	EV	
	16.244				152027	VV	
	16.572				180311	VV	
	16.809				318613	VV	
	17.050				227499	VV	
	17.235				972092	VE	
PCB254;2	17.476	0.06			179166	EV	2
	17.677				476065	VV	
PCB254;3	17.867	-0.18			311764	VV	2
	18.006				191368	VV	
PCB260;2	18.242	-0.47			519208	VE	3
	18.462				50332	EV	
PCB260;3	18.962	-0.28			194651	VV	3
	19.213				255714	VV	
PCB254;4	19.376	0.95			323888	VV	2
PCB254;5	19.608	-0.46			331810	VV	2
PCB260;4	19.804	0.12			711939	VE	3
	20.265				142332	EV	
	20.453				54910	VV	
	20.618				33040	VV	
	20.810				21329	VV	
	20.951				15130	VV	
	21.357				277160	VV	
	21.526				231536	VV	
	21.823				309941	VE	
	22.320				24949	EV	
	22.587				11421	EV	
	22.777				12335	VV	

22.893	12893	VV
23.213	68042	VV
23.479	167952	VE
23.855	20184	EV
24.064	3661	VV
24.406	6872	VV
24.648	4002	VV
24.793	6149	VV
25.045	14944	VV
25.244	39187	VE
25.657	1698	EV
25.849	322	EB
26.064	285	BV
26.492	17468	VE
26.833	1587	EV
27.191	4226	VV
27.400	3799	VV
27.583	55899	VE
27.836	10007	EV
28.154	31950	VV
28.425	11629	VE
28.805	2673	EV
29.073	1111	EV
29.361	1120	VB
29.789	884	BV
30.133	2639	VV
30.419	2959	VV
30.677	2020	VB

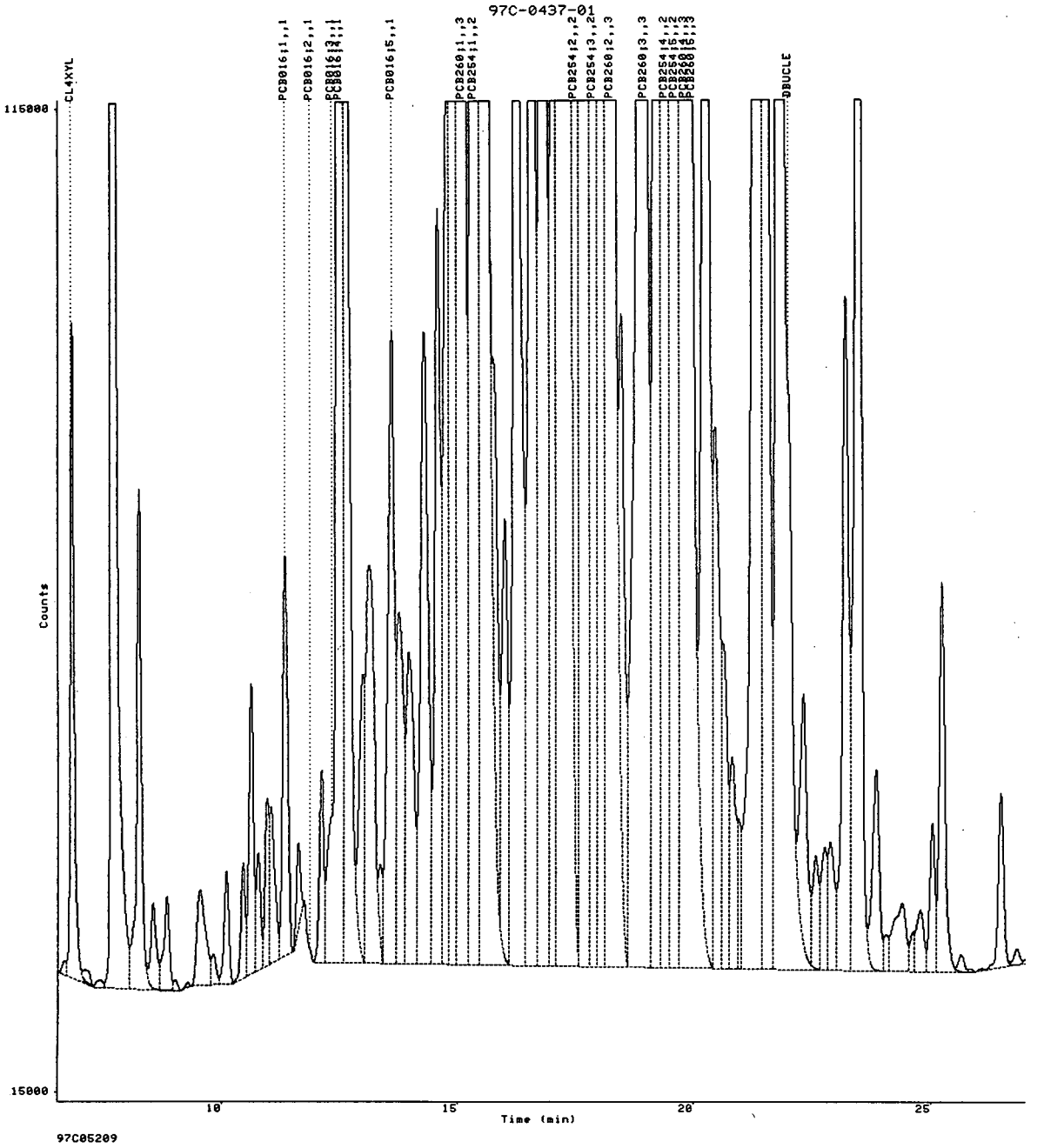
GROUP REPORT

Group	UG/ML
1	220.7

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324045.RAW;1
Report: 1197258915
Acquired: 21-NOV-1997 14:44:40
Time range: 6.50-27.00



0358

Date..... 1-DEC-1997 17:10:11.39 User: TAYLORC
Report number.....1197258916
Raw file.....DISK:[TAYLORC]5697324046.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 15:21:09
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209MS
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....93
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.654			952			BV	
CL4XYL	6.805	-2.01	14.73	64812			VB	
	7.402			565			BV	
	7.672			302830			VV	
	8.234			50959			VV	
	8.538			9463			VV	
	8.779			12514			VB	

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	9.279				615	BV	
	9.531				9931	VV	
	9.819				3622	VV	
	10.099				25264	VB	
	10.453				12950	BV	
	10.624				28948	VV	
	10.780				15874	VV	
	10.964				20106	VV	
	11.050				23070	VV	
PCB016;1	11.338	-0.06	57.26		64649	VV	1
	11.629				10221	VV	
	11.744				6122	VV	
PCB016;2	11.883	-0.25	24.42		10849	VV	1
	12.116				18789	VV	
PCB016;3	12.337	0.25	55.71		21393	VV	1
PCB016;4	12.489	0.50			200781	VV	1
	12.643				119141	VE	
	12.985				24991	EV	
	13.127				36037	VV	
	13.158				36213	VE	
	13.363				5050	EV	
PCB016;5	13.598	0.27	195.1	+	65732	VV	1
	13.746				33617	VV	
	13.988				30670	VV	
	14.287				57320	VV	
	14.574				72291	VV	
	14.770				85473	VV	
	14.940				312662	VV	
PCB260;1	15.065	0.59			562354	VV	3
PCB254;1	15.353	-0.27			493807	VV	2
	15.564				422613	VE	
	15.755				25948	EV	
	15.991				31248	EV	
	16.244				141560	VV	
	16.574				165961	VV	
	16.809				303246	VV	
	17.047				199885	VV	
	17.239				968861	VE	
PCB254;2	17.479	-0.12			177459	EV	2
	17.678				458413	VV	
PCB254;3	17.868	-0.25			308585	VV	2
	18.003				179210	VV	
PCB260;2	18.244	-0.57			513559	VE	3
	18.463				43992	EV	
	18.847				89787	VV	
PCB260;3	18.963	-0.35			184213	VV	3
	19.212				226960	VV	
PCB254;4	19.376	0.97			310762	VV	2
PCB254;5	19.609	-0.55			321218	VV	2
PCB260;4	19.804	0.11			695980	VV	3
	20.263				129143	VV	
	20.453				37841	VV	
	20.633				20495	VV	
	20.809				7046	VB	
	21.357				260355	BV	
	21.529				214910	VV	
	21.823				318381	VE	
	22.319				18626	EB	
	22.587				3764	BV	
	22.768				6542	VV	

22.886	5925	VV
23.212	69471	VV
23.479	170079	VV
23.855	16130	VB
24.073	602	BV
24.413	4218	VB
24.640	1201	BV
24.802	3491	VV
25.045	17056	VV
25.245	45833	VE
25.654	1512	EB
26.493	18696	BE
26.867	2940	EV
27.028	3123	EV
27.187	5330	VV
27.401	4599	VV
27.583	53484	VV
27.846	16790	VV
28.153	33978	VV
28.425	12682	VE
28.810	2433	EV
29.086	3140	EV
29.378	4172	VB
29.813	319	BB
30.150	883	BB
30.346	376	BB

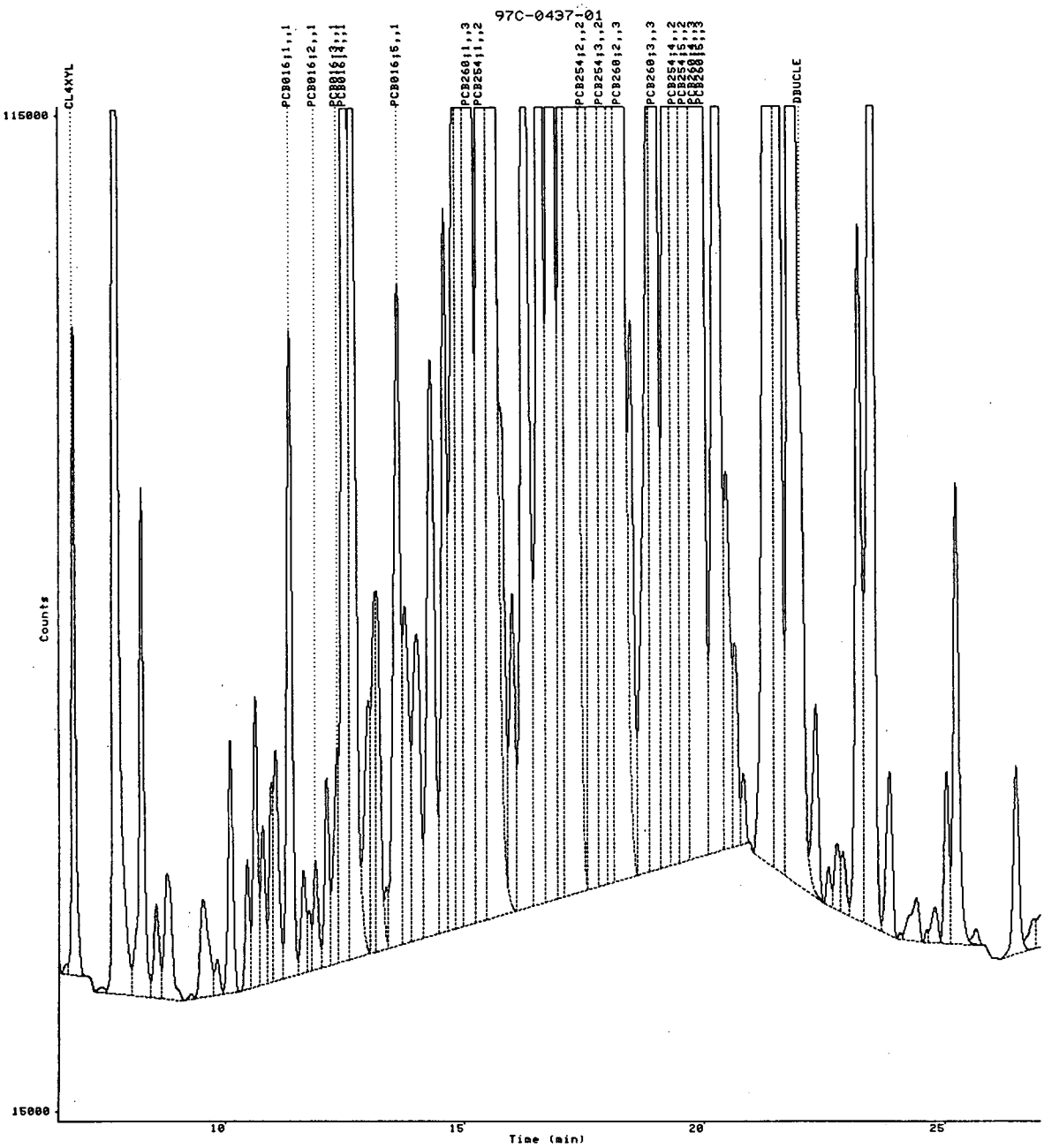
GROUP REPORT

Group	UG/ML
1	332.5

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324046.RAW;1
Report: 1197258916
Acquired: 21-NOV-1997 15:21:09
Time range: 6.50-27.00



97C05209MS

0362

Date..... 1-DEC-1997 17:10:25.04 User: TAYLORC
Report number.....1197258917
Raw file.....DISK:[TAYLORC]5697324047.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 15:57:56
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05209MSD
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....88
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.654			1453			BV	
CL4XYL	6.805	-2.00	15.53	68232			VB	
	7.402			730			BV	
	7.672			360875			VV	
	8.235			55118			VE	
	8.539			9557			EV	
	8.777			12813			EB	

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	9.279				739	BV	
	9.525				12283	VV	
	9.818				4227	VV	
	10.099				26213	VB	
	10.455				12635	BV	
	10.624				28309	VV	
	10.780				15929	VV	
	10.961				19518	VV	
	11.050				22827	VV	
PCB016;1	11.338	-0.05	60.50		67936	VV	1
	11.631				10146	VV	
	11.746				5502	VV	
PCB016;2	11.884	-0.29	25.14		11162	VV	1
	12.117				18785	VV	
PCB016;3	12.340	0.05	58.39		22393	VV	1
PCB016;4	12.488	0.56			248530	VV	1
	12.641				120179	VE	
	12.993				27760	EV	
	13.133				38939	VE	
	13.366				6514	EV	
PCB016;5	13.601	0.13	204.1	+	67606	VV	1
	13.748				34304	VV	
	13.989				32354	VV	
	14.289				57750	VV	
	14.575				73680	VV	
	14.772				90173	VV	
	14.939				303237	VV	
PCB260;1	15.067	0.48			533300	VV	3
PCB254;1	15.355	-0.35			476012	VV	2
	15.565				405101	VE	
	15.756				29855	EV	
	15.993				34730	EV	
	16.245				138649	VV	
	16.576				162238	VV	
	16.811				294776	VV	
	17.052				215171	VV	
	17.242				965485	VE	
PCB254;2	17.479	-0.12			172613	EV	2
	17.680				458583	VV	
PCB254;3	17.871	-0.43			300602	VV	2
	18.000				178377	VV	
PCB260;2	18.245	-0.65			518372	VE	3
	18.462				41483	EV	
PCB260;3	18.964	-0.40			187067	VV	3
	19.213				248109	VV	
PCB254;4	19.377	0.91			306966	VV	2
PCB254;5	19.608	-0.47			323630	VV	2
PCB260;4	19.805	0.03			717024	VV	3
	20.264				133310	VV	
	20.452				46478	VV	
	20.638				20441	VV	
	20.811				6933	VB	
	21.358				266453	BV	
	21.529				232608	VV	
	21.824				331513	VE	
	22.319				16196	EB	
	22.584				2884	BV	
	22.767				5759	VV	
	22.891				5613	VV	
	23.215				71168	VV	

23.481	180171	VV
23.857	16703	VB
24.077	692	BV
24.411	4425	VV
24.807	5969	VV
25.046	20058	VV
25.245	49325	VE
25.650	2077	EV
25.840	734	EB
26.494	19789	BE
26.860	4503	EV
27.000	4217	EV
27.182	6010	VV
27.584	55606	VV
27.847	18483	VV
28.153	31402	VV
28.426	14320	VV
28.814	4900	VV
29.076	4856	VV
29.379	5407	VV
30.081	18699	VB

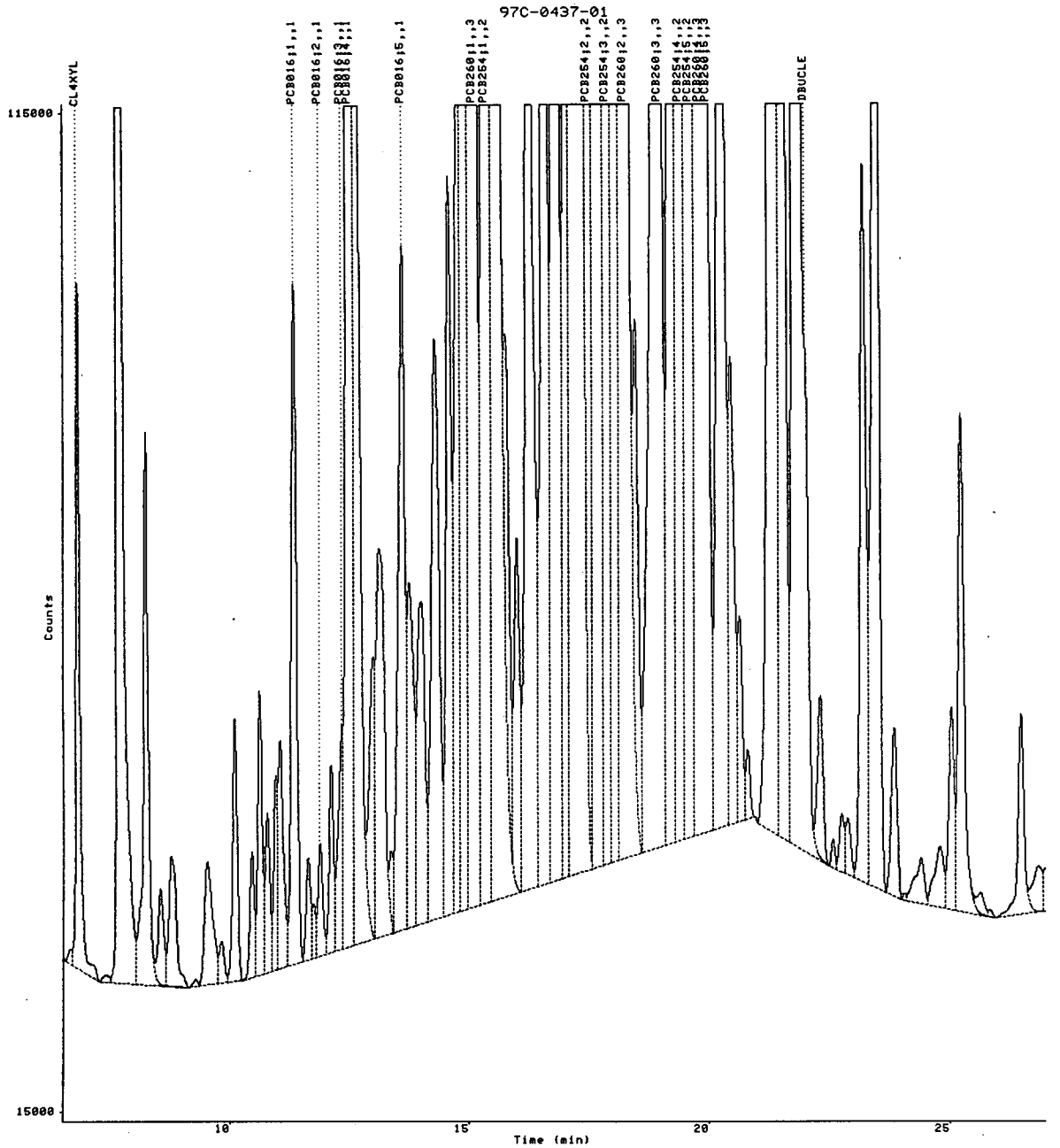
GROUP REPORT

Group	UG/ML
1	348.1

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324047.RAW;1
Report: 1197258917
Acquired: 21-NOV-1997 15:57:56
Time range: 6.50-27.00



97C05209MSD

0366

Date..... 1-DEC-1997 17:10:38.19 User: TAYLORC
Report number.....1197258918
Raw file.....DISK:[TAYLORC]5697324048.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 16:34:45
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05210
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....98
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.804	-1.90	18.52	80791			BB	
	7.132			768			BV	
	7.298			4109			VV	
	7.425			2812			VV	
	7.669			376971			VV	
	8.232			49338			VV	
	8.524			14717			VV	

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	8.825				7980	VE	
	9.068				977	EV	
	9.165				1753	EB	
	9.295				245	BB	
	9.513				20293	BE	
	9.803				995	EB	
	10.115				93000	BV	
	10.449				11999	VV	
	10.625				15808	VV	
	10.768				14796	VV	
	10.955				15995	VV	
	11.045				14552	VV	
	11.186				20077	VV	
PCB016;1	11.335	0.10	40.97		47553	VB	1
	11.615				7597	BV	
PCB016;2	11.864	0.91	49.45		21634	VB	1
	12.101				13789	BV	
PCB016;3	12.319	1.34	38.61		14938	VV	1
PCB016;4	12.481	0.93			244444	VV	1
	12.637				110348	VE	
	12.997				18274	EV	
	13.176				30357	VB	
PCB016;5	13.600	0.17	163.7	+	58414	BV	1
	13.774				41454	VV	
	14.012				32585	VV	
	14.327				45545	VV	
	14.643				130023	VV	
	14.749				104503	VV	
	14.941				295564	VV	
PCB260;1	15.066	0.52			559406	VV	3
PCB254;1	15.354	-0.31			474191	VV	2
	15.565				421356	VE	
	15.755				51388	EV	
	15.899				148297	VV	
	16.245				115702	VV	
	16.578				155940	VV	
	16.802				322787	VV	
	17.046				221554	VV	
	17.235				937953	VE	
PCB254;2	17.479	-0.11			171234	EV	2
	17.681				515567	VV	
PCB254;3	17.869	-0.31			315157	VV	2
	18.007				183320	VV	
PCB260;2	18.246	-0.70			532612	VE	3
	18.470				41454	EV	
PCB260;3	18.962	-0.29			188965	VV	3
	19.213				259739	VV	
PCB254;4	19.378	0.85			324055	VV	2
PCB254;5	19.609	-0.55			334747	VV	2
PCB260;4	19.808	-0.12			756832	VV	3
	20.269				135605	VV	
	20.501				24935	VV	
	20.748				199099	VE	
	20.959				10574	EV	
	21.258				352222	VV	
	21.339				321739	VV	
	21.532				225948	VV	
	21.833				335188	VV	
	22.334				111656	VB	
	22.599				5790	BB	

22.901	39318	BV
23.215	70485	VV
23.484	148787	VB
23.731	5636	BB
24.187	13193	BV
24.463	21361	VV
24.831	57270	VV
25.068	14952	VV
25.255	44753	VV
25.515	284397	VE
25.891	13742	EB
26.261	44823	BV
26.489	21002	VV
26.683	11000	VV
26.936	27120	VV
27.234	27236	VV
27.499	166160	VV
27.846	102648	VV
28.042	110034	VV
28.149	138700	VV
28.412	151242	VE
28.651	15835	EV
28.841	26076	EV
29.074	31094	VV
29.270	23701	VV
29.434	32683	VV
29.744	54983	VV
30.006	152766	VE
30.410	18502	EV
30.455	19795	EV
30.515	20302	EB

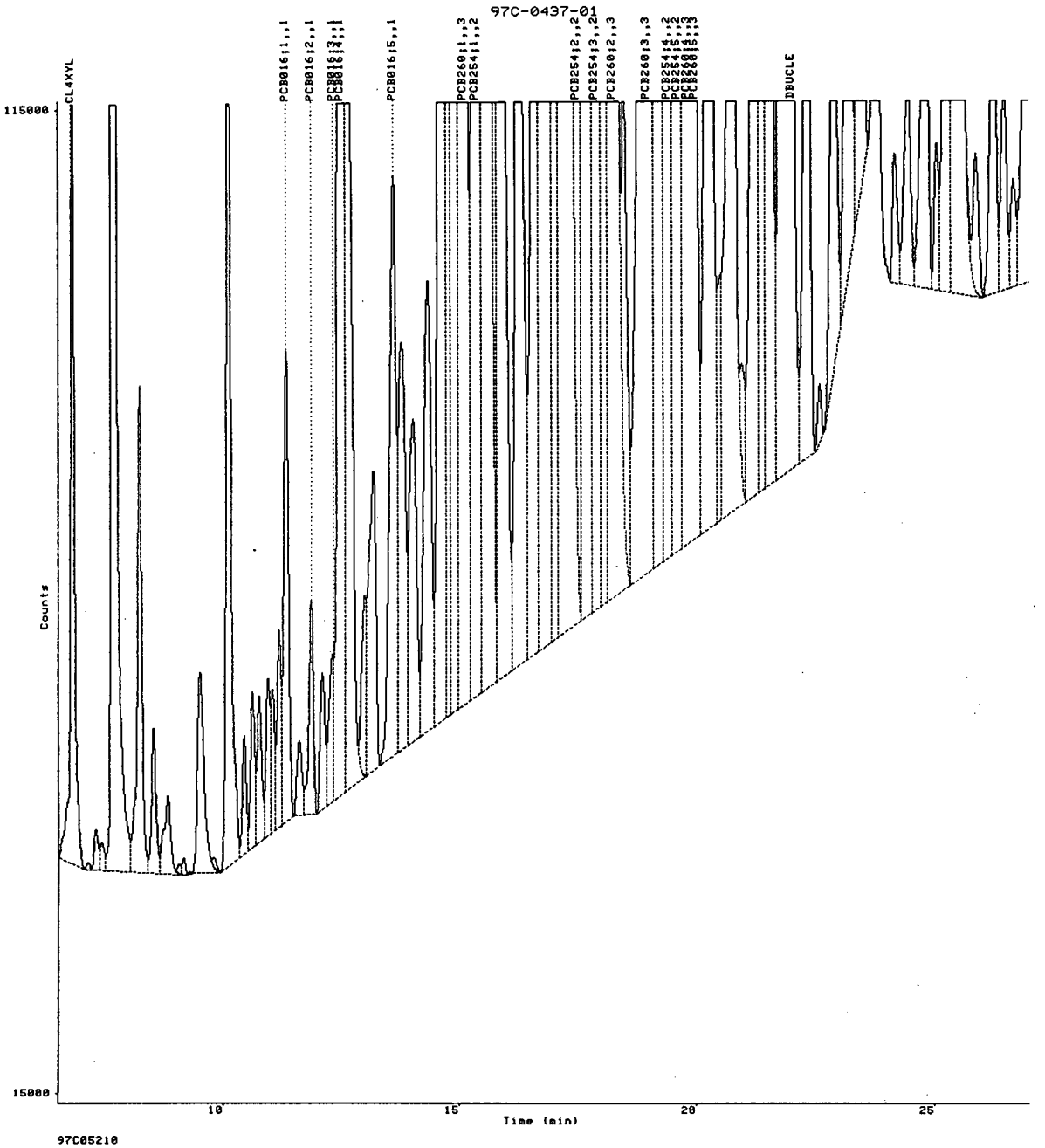
GROUP REPORT

Group	UG/ML
1	292.7

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324048.RAW;1
Report: 1197258918
Acquired: 21-NOV-1997 16:34:45
Time range: 6.50-27.00



0370

Date..... 1-DEC-1997 17:10:54.13 User: TAYLORC
Report number.....1197258919
Raw file.....DISK:[TAYLORC]5697324049.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 17:11:09
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05211
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....85
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.635			1251			BV	
CL4XYL	6.805	-2.00	15.23	66964			VB	
	7.670			477073			BE	
	8.233			43483			EV	
	8.529			14676			EV	
	8.727			4789			EV	

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	8.826				8666	VB	
	9.288				508	BB	
	9.518				15776	BV	
	9.822				4341	VV	
	10.098				13204	VB	
	10.452				15368	BV	
	10.623				25936	VV	
	10.776				12273	VV	
	10.957				19579	VV	
	11.046				18748	VV	
PCB016;1	11.338	-0.03	45.01		51886	VB	1
	11.626				10584	BB	
	12.114				28405	BV	
PCB016;3	12.260	4.88	42.89		16562	VV	1
PCB016;4	12.481	0.95			445079	VV	1
	12.647				140696	VB	
	12.983				5623	BB	
	13.127				1532	BB	
	13.365				745	BV	
PCB016;5	13.602	0.09	255.0	+	76247	VV	1
	13.730				36269	VV	
	13.969				37822	VV	
	14.290				43591	VV	
	14.572				80133	VV	
	14.770				105817	VV	
	14.942				238802	VV	
PCB260;1	15.066	0.56			453371	VV	3
PCB254;1	15.354	-0.28			403109	VV	2
	15.566				341827	VE	
	15.761				37553	EV	
	15.994				28082	EV	
	16.244				129393	VV	
	16.575				158610	VV	
	16.808				264208	VV	
	17.253				943506	VE	
PCB254;2	17.474	0.15			143710	EV	2
	17.680				450480	VV	
PCB254;3	17.869	-0.28			236606	VV	2
	18.004				140073	VV	
PCB260;2	18.245	-0.68			400360	VE	3
	18.461				29419	EV	
	18.837				97393	VV	
PCB260;3	18.964	-0.44			135637	VV	3
	19.214				212968	VV	
PCB254;4	19.378	0.86			240158	VV	2
PCB254;5	19.611	-0.63			253267	VV	2
PCB260;4	19.808	-0.10			563745	VV	3
	20.268				99720	VE	
	20.448				8096	EV	
	20.644				10180	EV	
	20.812				4422	VE	
	20.975				425	EB	
	21.358				202814	BV	
	21.529				165179	VB	
	21.826				195625	BB	
	22.323				11174	BB	
	22.591				1437	BV	
	22.767				3016	VV	
	22.901				3765	VB	
	23.218				47269	BV	

23.483	132382	VE
23.854	14654	EB
24.425	4618	BV
24.840	23765	VV
25.043	33643	VV
25.240	38924	VE
25.501	520	EB
26.112	14775	BV
26.500	17554	VV
26.901	23202	VV
27.085	26552	VV
27.359	14511	VV
27.907	369951	VE
28.805	17174	EV
29.292	2512	EV
29.381	3858	EB
29.864	11712	BV
30.100	14721	VB
30.577	216	BB

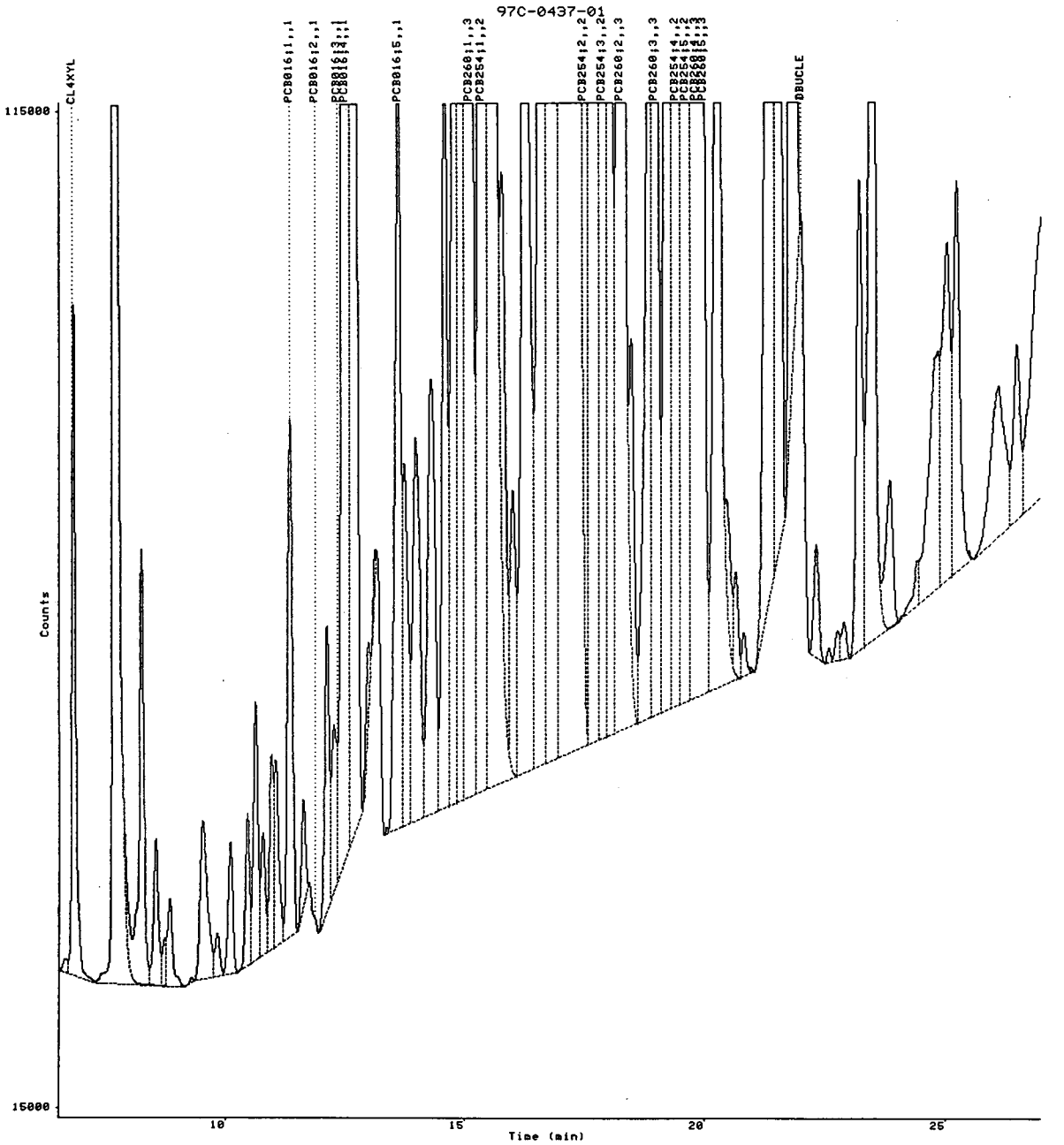
GROUP REPORT

Group	UG/ML
1	342.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324049.RAW;1
Report: 1197258919
Acquired: 21-NOV-1997 17:11:09
Time range: 6.50-27.00



97C05211

0374

Date..... 1-DEC-1997 17:11:07.67 User: TAYLORC
Report number.....1197258920
Raw file.....DISK:[TAYLORC]5697324050.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 17:47:59
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05212
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....89
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.805	-2.01	15.64	68695			BE	
	7.120			867			EB	
	7.323			154			BB	
	7.670			213676			BV	
	8.234			102200			VV	
	8.530			17541			VV	
	8.826			25095			VE	

0375

	9.001				1344	EB	
	9.287				450	BV	
	9.543				4309	VV	
	9.816				1871	VB	
	10.099				14781	BB	
	10.448				31160	BV	
	10.625				62919	VV	
	10.765				20826	VV	
	10.955				140709	VV	
PCB016;1	11.338	-0.09	48.80		55901	VV	1
	11.619				22518	VV	
PCB016;2	11.749	7.79	21.27		9472	VV	1
	12.116				67797	VV	
PCB016;3	12.253	5.29	136.1	+	50299	VV	1
PCB016;4	12.493	0.26			965853	VV	1
	12.644				782935	VE	
	12.956				87242	EV	
	13.112				57582	EV	
	13.205				64569	VV	
PCB016;5	13.605	-0.10			396342	VV	1
	14.023				190027	VV	
	14.275				71102	VV	
	14.570				271851	VV	
	14.769				235561	VV	
PCB260;1	15.070	0.31			976009	VV	3
PCB254;1	15.353	-0.24			841057	VV	2
	15.570				560861	VV	
	15.797				151000	VV	
	16.245				381432	VV	
	16.578				299018	VV	
	16.808				544546	VV	
	17.046				315403	VV	
	17.225				955992	VV	
PCB254;2	17.480	-0.17			405135	VV	2
	17.679				924431	VV	
PCB254;3	17.870	-0.33			499064	VV	2
	18.005				330320	VV	
PCB260;2	18.246	-0.71			732441	VE	3
	18.464				101793	EV	
	18.832				116074	EV	
PCB260;3	18.962	-0.29			220602	VV	3
	19.211				347761	VV	
PCB254;4	19.376	0.94			476801	VV	2
PCB254;5	19.606	-0.39			658212	VV	2
PCB260;4	19.802	0.23			963084	VV	3
	20.260				197031	VE	
	20.636				34906	EV	
	20.810				15971	EV	
	21.356				399379	VV	
	21.528				315866	VV	
	21.824				429202	VE	
	22.317				28991	EV	
	22.585				10863	EV	
	22.771				9889	VV	
	22.873				7953	VV	
	23.217				100084	VV	
	23.479				255255	VV	
	23.864				25380	VB	
	24.404				5379	BB	
	24.669				1478	BV	

24.837	4027	VV
25.047	20783	VV
25.243	53114	VE
25.665	3250	EV
25.851	1125	EB
26.252	1233	BV
26.495	25676	VV
26.991	11619	VV
27.187	11994	VV
27.320	11094	VV
27.372	10969	VV
27.582	67153	VV
27.853	56094	VV
28.151	79661	VE
28.441	12481	EV
28.866	7605	VV
28.919	7422	VV
29.019	6901	VV
29.150	6487	VV
29.405	9454	VV
29.968	15835	VV
30.424	12988	VB

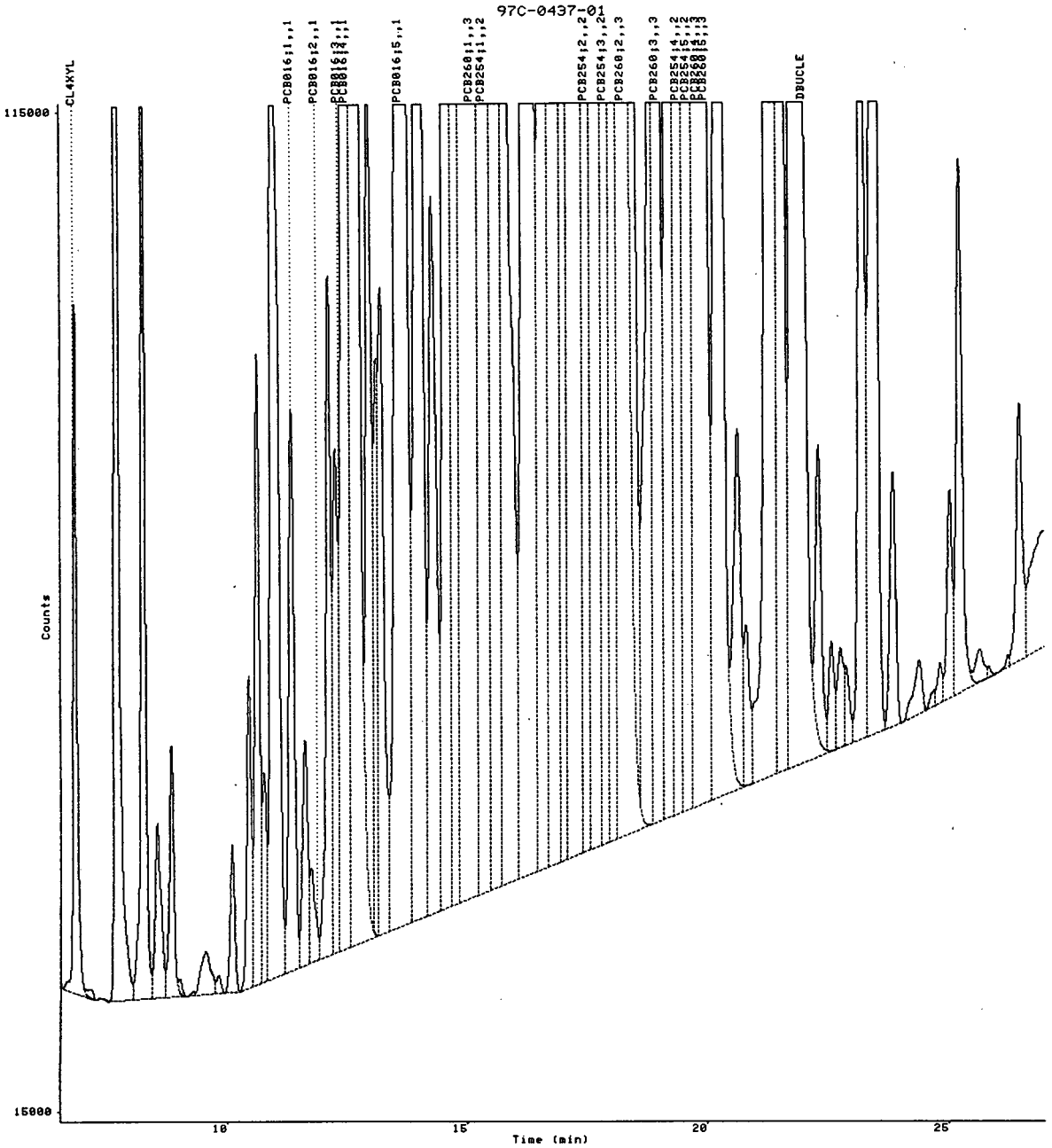
GROUP REPORT

Group	UG/ML
1	206.1

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324050.RAW;1
Report: 1197258920
Acquired: 21-NOV-1997 17:47:59
Time range: 6.50-27.00



97C05212

0378

Date..... 1-DEC-1997 17:11:35.01 User: TAYLORC
Report number.....1197258922
Raw file.....DISK:[TAYLORC]5697324052.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 19:01:12
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05213
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....83
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.803	-1.85	15.26	67080			BE	
	7.145			1208			EB	
	7.486			142			BB	
	7.670			340998			BE	
	8.106			7017			EV	
	8.605			37889			VV	
	8.827			103890			VV	
	9.436			8731			VV	

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	9.612				7115	VV	
	9.798				2845	VB	
	10.100				20855	BV	
	10.448				45109	VV	
	10.759				29878	VV	
	10.955				211303	VV	
	11.036				160886	VV	
PCB016;1	11.334	0.20	58.41		65824	VV	1
	11.751				37001	VV	
PCB016;2	11.989	-6.60	40.39		17764	VV	1
	12.117				19841	VV	
PCB016;3	12.248	5.58	56.93		21848	VV	1
PCB016;4	12.486	0.63			532553	VV	1
	12.644				340158	VE	
	12.950				23919	EV	
	13.219				21814	EV	
PCB016;5	13.607	-0.24			209274	VV	1
	14.025				84687	VV	
	14.359				36658	VV	
	14.571				97068	VV	
	14.762				101801	VV	
PCB260;1	15.073	0.12			307702	VV	3
PCB254;1	15.351	-0.14			212016	VV	2
	15.589				106426	VV	
	15.791				71064	VV	
	16.246				119947	VV	
	16.582				93849	VV	
	16.810				147383	VV	
	17.243				971387	VE	
PCB254;2	17.472	0.32	226.3	+	42334	EV	2
	17.680				291758	VV	
PCB254;3	17.868	-0.22			115913	VV	2
	18.004				73563	VV	
PCB260;2	18.249	-0.92	137.6	+	157842	VE	3
	18.461				18736	EV	
	18.662				4571	EV	
PCB260;3	18.964	-0.42	50.99		31060	VV	3
	19.214				135935	VV	
PCB254;4	19.376	0.97			111844	VV	2
PCB254;5	19.608	-0.46			134823	VV	2
PCB260;4	19.803	0.16			223037	VV	3
	20.259				35826	VB	
	20.661				2179	BV	
	20.806				1712	VV	
	21.358				84129	VV	
	21.528				68178	VV	
	21.822				81763	VV	
DBUCLE	22.002	0.59	10.15		32862	VB	
	22.738				1616	BV	
	22.935				586	VB	
	23.218				13584	BV	
	23.478				43052	VB	
	23.874				4240	BV	
	24.147				1480	VV	
	24.426				1828	VV	
	24.754				1207	VV	
	25.069				4500	VV	
	25.248				10050	VV	
	25.756				6426	VV	
	25.959				4968	VV	

26.227	4798	VV
26.489	4950	VB
26.871	75	BB
27.331	1815	BV
27.580	45071	VV
27.847	17311	VV
28.152	46331	VE
28.440	1739	EV
28.624	207	EB
28.911	231	BB
29.441	1609	BV
29.787	4110	VV
30.136	4534	VV
30.544	2075	VB

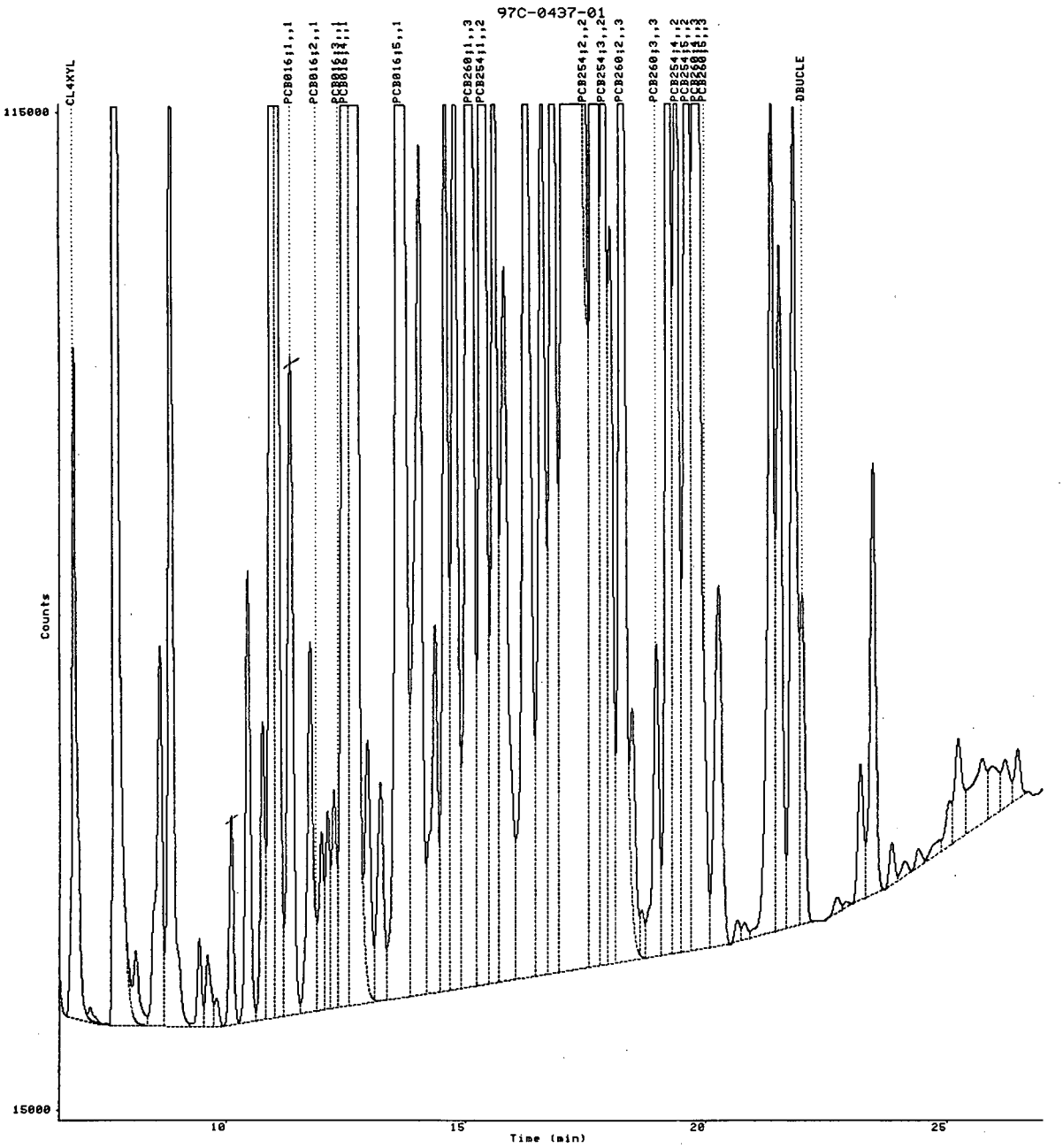
GROUP REPORT

Group	UG/ML
1	155.7
2	226.3
3	188.6

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324052.RAW;1
Report: 1197258922
Acquired: 21-NOV-1997 19:01:12
Time range: 6.50-27.00



97C05213

0382

Date..... 1-DEC-1997 17:11:50.10 User: TAYLORC
Report number.....1197258923
Raw file.....DISK:[TAYLORC]5697324053.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 19:37:58
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05214
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....90
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.634			1460			BV	
CL4XYL	6.806	-2.05	15.41	67690			VB	
	7.400			502			BV	
	7.670			455362			VV	
	8.235			71218			VV	
	8.532			13801			VV	
	8.835			14870			VE	

0383

	9.002			875	EB	
	9.285			812	BV	
	9.517			24675	VV	
	9.808			6379	VV	
	10.103			29045	VV	
	10.454			18994	VV	
	10.624			41696	VV	
	10.778			19171	VV	
	10.958			28467	VV	
	11.096			27923	VV	
PCB016;1	11.337	-0.01	65.78	73204	VV	1
	11.638			14475	VV	
PCB016;2	11.878	0.06	16.58	7413	VV	1
	12.115			36276	VV	
PCB016;3	12.278	3.76	63.67	24360	VV	1
PCB016;4	12.484	0.77		391086	VV	1
	12.642			191878	VE	
	12.978			33804	EV	
	13.139			42623	EV	
	13.369			11141	VV	
PCB016;5	13.600	0.19		91672	VV	1
	13.737			46304	VV	
	13.968			47701	VV	
	14.289			62808	VV	
	14.572			112843	VV	
	14.771			118586	VV	
	14.941			324683	VV	
PCB260;1	15.067	0.48		641250	VV	3
PCB254;1	15.353	-0.25		577416	VV	2
	15.568			478345	VE	
	15.762			47503	EV	
	15.989			39051	EV	
	16.243			172233	VV	
	16.574			212018	VV	
	16.809			366559	VV	
	17.046			250877	VV	
	17.250			962999	VE	
PCB254;2	17.479	-0.12		208216	EV	2
	17.679			606573	VV	
PCB254;3	17.867	-0.19		348815	VV	2
	18.005			216033	VV	
PCB260;2	18.244	-0.63		569439	VE	3
	18.462			54203	EV	
PCB260;3	18.962	-0.29		202555	VV	3
	19.213			301162	VV	
PCB254;4	19.376	0.96		355590	VV	2
PCB254;5	19.610	-0.60		367140	VV	2
PCB260;4	19.805	0.03		792318	VV	3
	20.267			153763	VV	
	20.452			47189	VV	
	20.634			27947	VV	
	20.812			17204	VV	
	21.357			303477	VV	
	21.528			249402	VV	
	21.825			318752	VE	
	22.319			23884	EV	
	22.589			7400	EV	
	22.861			12293	VV	
	23.216			66689	VV	
	23.481			178537	VV	

23.849	20178	VB
24.070	378	BV
24.428	5952	VB
24.792	3702	BV
25.042	12950	VV
25.245	36853	VB
25.663	1707	BV
26.114	938	VV
26.298	1808	VV
26.495	19624	VV
26.892	5603	VV
27.202	8064	VV
27.584	58198	VV
27.868	51215	VV
28.147	43766	VV
28.436	24664	VV
28.800	6689	VV
29.096	7093	VV
29.336	5930	VV
29.808	7006	VV
30.140	8214	VV
30.373	6615	VV
30.660	2694	VB

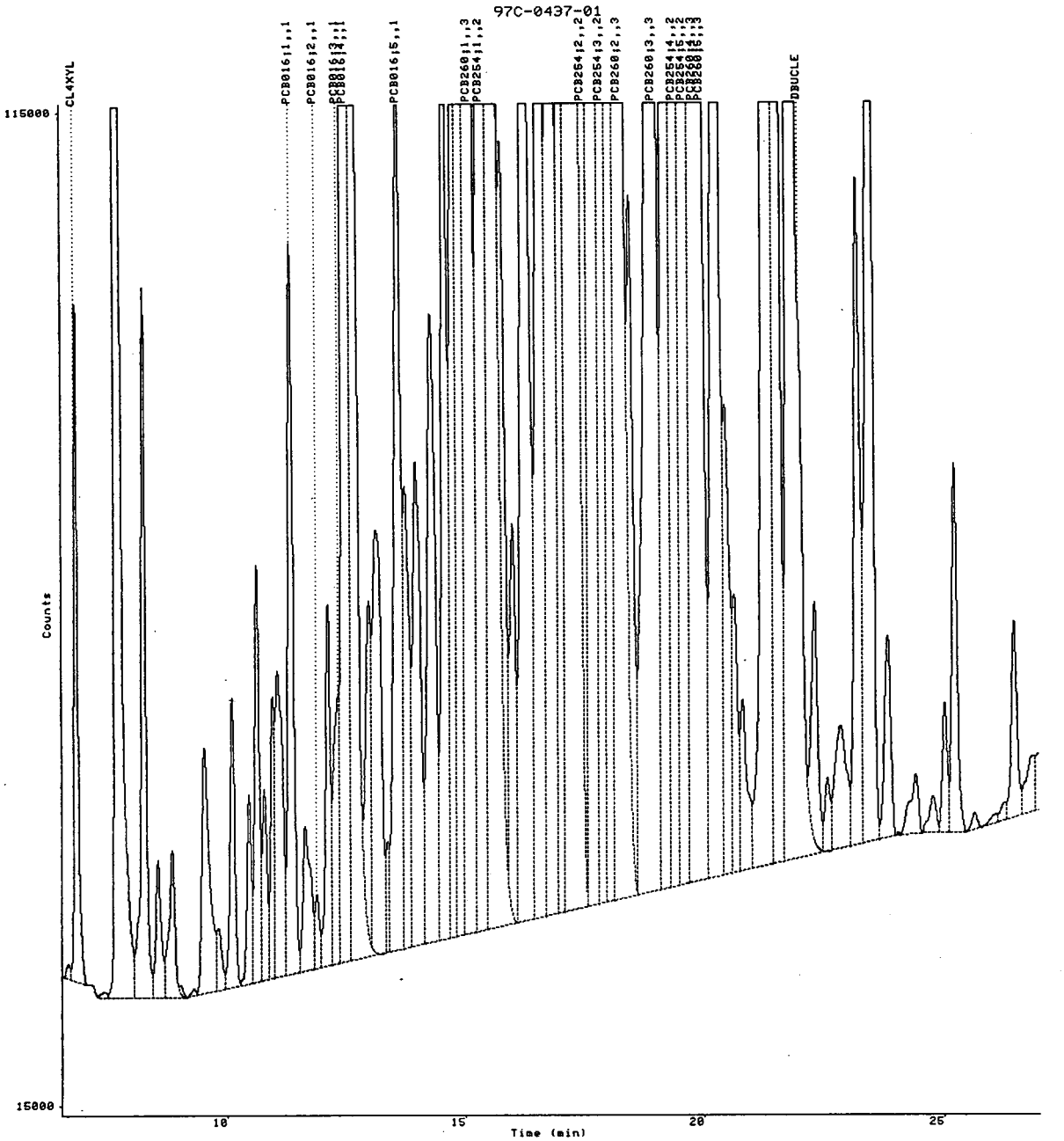
GROUP REPORT

Group	UG/ML
1	146.0

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324053.RAW;1
Report: 1197258923
Acquired: 21-NOV-1997 19:37:58
Time range: 6.50-27.00



97C05214

0386

Date..... 1-DEC-1997 17:12:03.42 User: TAYLORC
Report number.....1197258924
Raw file.....DISK:[TAYLORC]5697324054.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 20:14:47
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05215
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....91
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
19.96	PCB260;5	3	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.644			1243		BV	
CL4XYL	6.807	-2.10	14.11	62178		VB	
	7.378			203		BV	
	7.671			435884		VV	
	8.236			56681		VE	
	8.536			9407		EV	
	8.828			11776		EV	

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	9.006				1104	VB	
	9.282				827	BV	
	9.535				13978	VV	
	9.818				4069	VV	
	10.099				17752	VB	
	10.454				15710	BV	
	10.624				36896	VV	
	10.777				15748	VV	
	10.959				26050	VV	
	11.046				24438	VV	
PCB016;1	11.340	-0.16	53.29		60578	VV	1
	11.627				13402	VV	
	11.742				9121	VV	
PCB016;2	11.873	0.37	9.456		4268	VV	1
	12.116				32065	VV	
PCB016;3	12.277	3.83	51.74		19903	VV	1
PCB016;4	12.486	0.67			305049	VV	1
	12.643				154223	VE	
	12.981				32225	EV	
	13.135				40415	VE	
	13.363				7267	EV	
PCB016;5	13.600	0.16	272.0	+	78406	VV	1
	13.733				38728	VV	
	13.973				39972	VV	
	14.284				58449	VV	
	14.573				91233	VV	
	14.771				96790	VV	
	14.946				283294	VV	
PCB260;1	15.067	0.49			563773	VV	3
PCB254;1	15.354	-0.28			503665	VV	2
	15.567				401838	VE	
	15.758				36836	EV	
	15.990				36650	EV	
	16.244				155474	VV	
	16.574				181087	VV	
	16.809				316838	VV	
	17.049				215720	VV	
	17.236				965962	VE	
PCB254;2	17.478	-0.05			181992	EV	2
	17.679				504080	VV	
PCB254;3	17.869	-0.30			307971	VV	2
	18.006				185192	VV	
PCB260;2	18.245	-0.69			501946	VE	3
	18.463				47082	EV	
PCB260;3	18.962	-0.30			174968	VV	3
	19.214				241782	VV	
PCB254;4	19.378	0.86			309926	VV	2
PCB254;5	19.609	-0.54			321631	VV	2
PCB260;4	19.805	0.05			694715	VE	3
	20.267				132100	EV	
	20.448				44575	VV	
	20.639				24922	VV	
	20.809				15061	VV	
	21.357				262963	VV	
	21.528				214511	VV	
	21.825				278489	VE	
	22.317				19130	EV	
	22.585				5459	EV	
	22.774				7667	VV	
	22.890				7286	VV	

23.216	58313	VV
23.480	153628	VE
23.853	16802	EV
24.208	2027	VV
24.421	4293	VB
24.787	3837	BV
25.046	11637	VV
25.246	32486	VE
25.664	1298	EV
25.825	79	VB
26.090	115	BB
26.494	14070	BE
26.875	2267	EV
27.186	3821	VV
27.585	47091	VV
27.850	25565	VV
28.154	45366	VV
28.434	14470	VE
28.742	137	EB
29.111	2330	BV
29.357	3989	VB
29.795	1430	BV
30.143	2516	VV
30.387	4230	VB

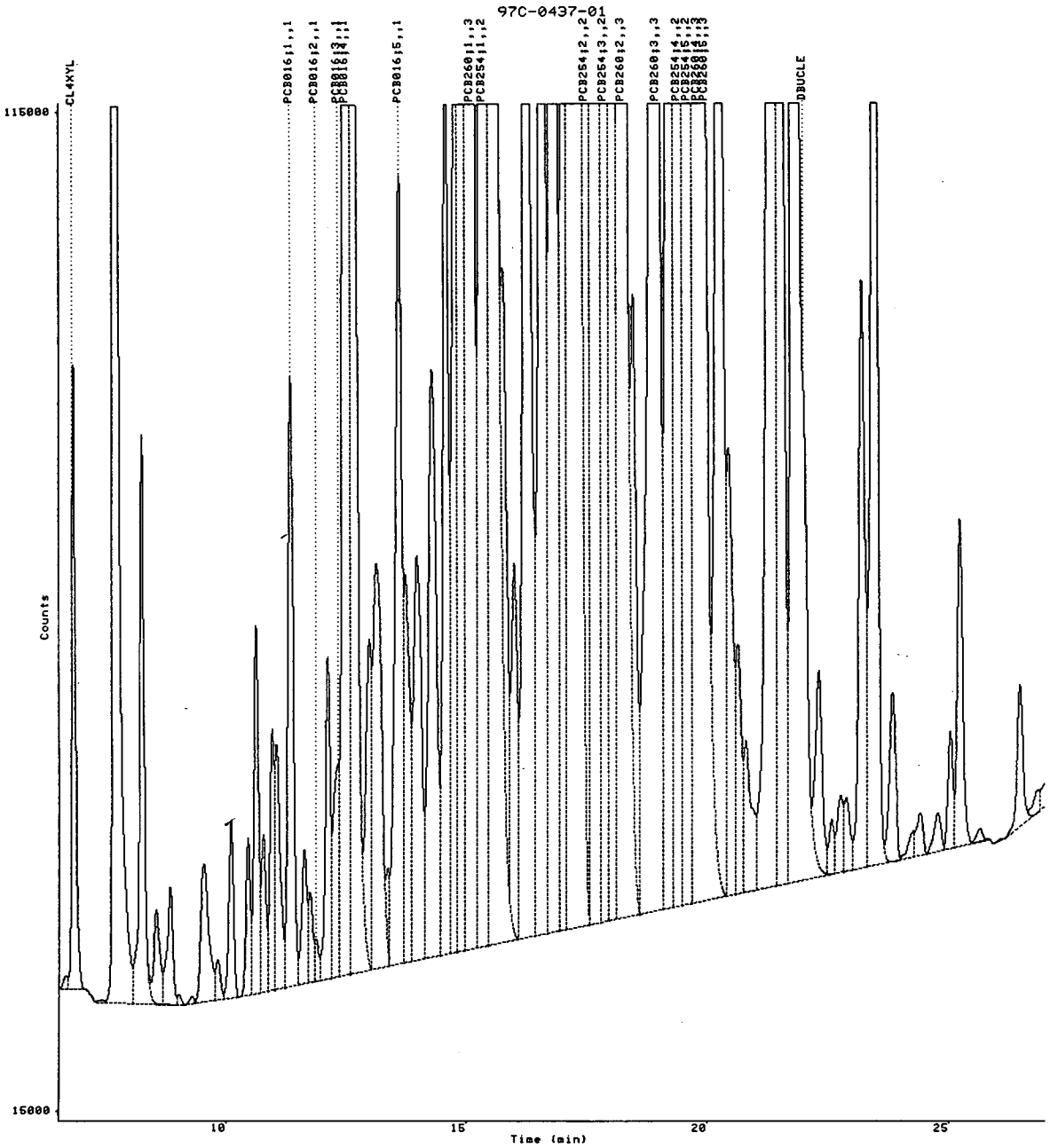
GROUP REPORT

Group	UG/ML
1	386.4

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324054.RAW;1
Report: 1197258924
Acquired: 21-NOV-1997 20:14:47
Time range: 6.50-27.00



97C05215

0390

Date..... 1-DEC-1997 17:12:16.77 User: TAYLORC
Report number.....1197258925
Raw file.....DISK:[TAYLORC]5697324055.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 20:51:35
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05216
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....91
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.663			1617			BV	
CL4XYL	6.807	-2.10	15.86	69596			VE	
	7.120			1803			EB	
	7.328			461			BV	
	7.434			729			VV	
	7.671			185824			VV	

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	8.235				81057	VE	
	8.612				8418	EV	
	8.830				25634	VE	
	9.006				3207	EV	
	9.237				879	VV	
	9.452				3095	VV	
	9.615				3348	VV	
	10.102				1921	VB	
	10.449				31190	BV	
	10.624				19126	VV	
	10.757				27814	VE	
	10.958				4892	EV	
	11.044				4384	EV	
PCB016;1	11.351	-0.84	47.94		54988	VV	1
PCB016;2	11.751	7.67	41.06		18052	VV	1
	12.119				3092	VB	
PCB016;4	12.490	0.42			289710	BV	1
	12.638				141747	VE	
	12.945				18642	EV	
	13.201				18243	VV	
	13.369				7385	VV	
PCB016;5	13.595	0.48	311.8	+	82037	VV	1
	13.838				45427	VV	
	14.030				63996	VV	
	14.350				76718	VV	
	14.569				356424	VV	
	14.769				225522	VV	
PCB260;1	15.072	0.16			762698	VV	3
PCB254;1	15.345	0.25			982228	VV	2
	15.584				788827	VE	
	15.779				87287	EV	
	16.252				173948	VV	
	16.576				500335	VV	
	16.806				862409	VV	
	17.036				516767	VV	
	17.211				964912	VV	
PCB254;2	17.480	-0.15			438820	VV	2
	17.683				961890	VV	
PCB254;3	17.866	-0.11			799420	VV	2
	17.998				464772	VV	
PCB260;2	18.247	-0.79			971287	VE	3
	18.457				102026	EV	
	18.689				54748	EV	
PCB260;3	18.960	-0.20			427556	VV	3
	19.213				975794	VV	
PCB254;4	19.373	1.14			834842	VV	2
PCB254;5	19.606	-0.35			876219	VV	2
PCB260;4	19.794	0.74			967881	VV	3
	20.265				412825	VV	
	20.609				135366	VV	
	20.807				105215	VV	
	21.356				838322	VV	
	21.523				741769	VV	
	21.823				614217	VV	
	22.318				166965	VV	
	22.579				94954	VV	
	22.807				53689	VV	
	23.209				157455	VV	
	23.474				386042	VE	
	23.839				67631	EV	

24.050	22659	VV
24.320	56864	VV
24.657	23985	VV
24.798	8341	VV
25.038	30776	VV
25.241	63368	VV
25.647	26616	VV
25.868	8664	VB
26.143	2798	BV
26.490	30469	VE
26.797	5723	EV
27.083	5383	EV
27.343	6242	VV
27.579	56984	VV
27.855	34652	VV
27.967	31585	VV
28.147	57566	VE
28.490	7047	EV
28.644	6556	VV
28.949	11307	VV
29.168	8603	VV
29.361	7539	VV
29.563	8209	VV
30.056	14384	VV
30.744	13641	VB

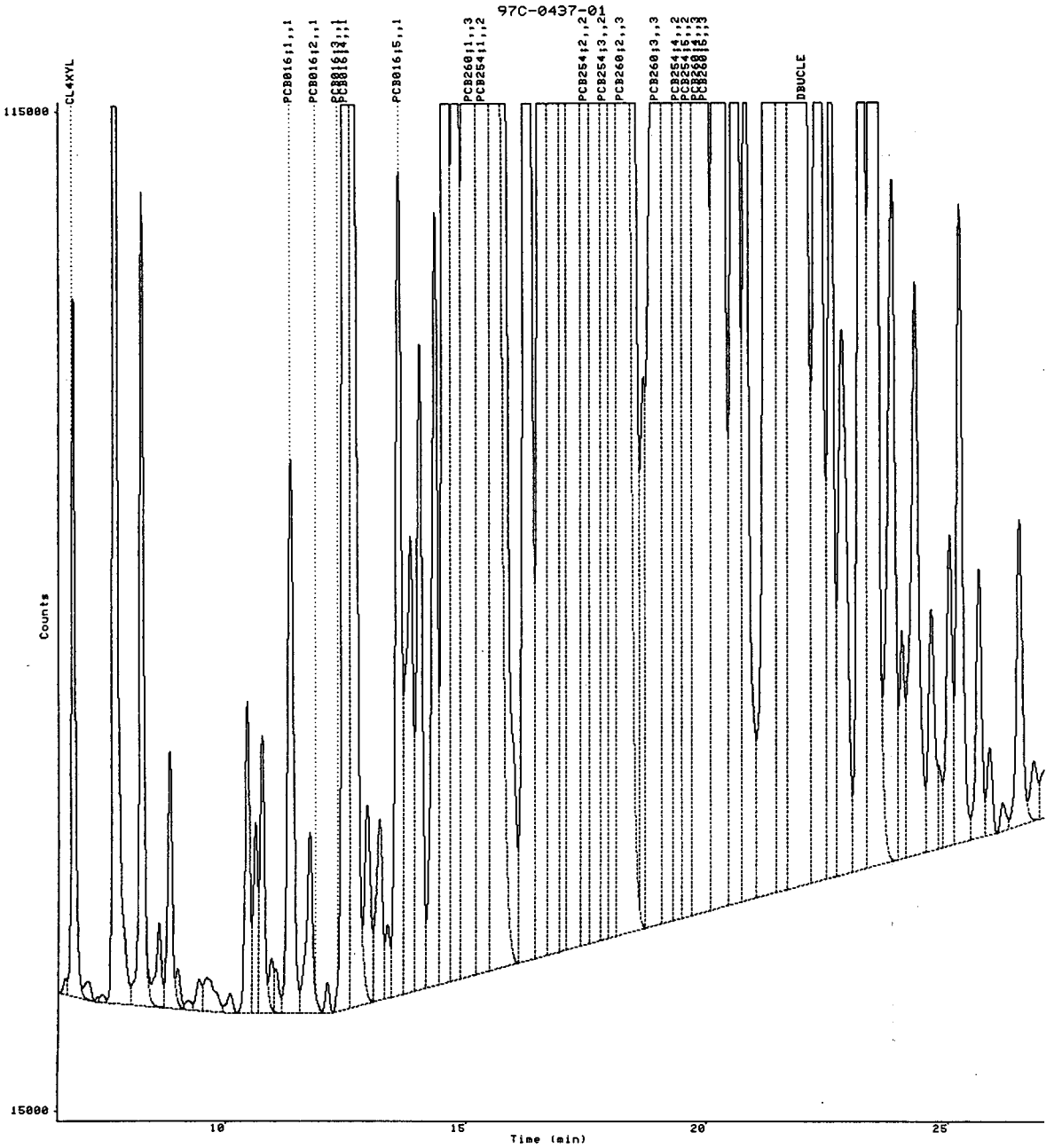
GROUP REPORT

Group	UG/ML
1	400.8

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324055.RAW;1
Report: 1197258925
Acquired: 21-NOV-1997 20:51:35
Time range: 6.50-27.00



97C05216

0394

Date..... 1-DEC-1997 17:12:30.69 User: TAYLORC
Report number.....1197258926
Raw file.....DISK:[TAYLORC]5697324056.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 21:28:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05217
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....93
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
19.96	PCB260;5	3	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.653			1635		BV	
CL4XYL	6.810	-2.29	15.10	66397		VE	
	7.104			843		EB	
	7.675			185701		BV	
	8.240			48757		VV	
	8.536			9237		VV	
	8.836			8781		VE	

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	9.009				700	EB	
	9.286				445	BB	
	9.527				12094	BV	
	9.827				3184	VV	
	10.106				13100	VB	
	10.460				12434	BV	
	10.630				24946	VV	
	10.779				13681	VV	
	10.965				17894	VV	
	11.053				16629	VV	
PCB016;1	11.348	-0.68	36.93		43163	VV	1
	11.633				9839	VV	
PCB016;2	11.751	7.69	13.47		6041	VB	1
	12.123				18884	BV	
PCB016;3	12.340	0.04	35.46		13738	VV	1
PCB016;4	12.496	0.05			165175	VV	1
	12.652				128551	VE	
	12.991				24713	EV	
	13.167				35430	VE	
	13.367				4008	EV	
PCB016;5	13.608	-0.28	192.1	+	65094	VV	1
	13.762				35988	VV	
	13.984				31054	VV	
	14.304				55174	VV	
	14.581				81837	VV	
	14.779				93564	VV	
	14.947				308081	VV	
PCB260;1	15.074	0.04			542805	VV	3
PCB254;1	15.361	-0.74			481368	VV	2
	15.572				423524	VE	
	15.772				33712	EV	
	15.998				29230	EV	
	16.252				128797	VV	
	16.583				164689	VV	
	16.817				294208	VV	
	17.052				181298	VV	
	17.238				970305	VE	
PCB254;2	17.490	-0.76			169480	EV	2
	17.688				523595	VV	
PCB254;3	17.878	-0.83			292253	VV	2
	18.013				175276	VV	
PCB260;2	18.253	-1.17			492663	VE	3
	18.469				39310	EV	
	18.850				93226	VV	
PCB260;3	18.973	-0.95			173332	VV	3
	19.221				268981	VV	
PCB254;4	19.386	0.37			296800	VV	2
PCB254;5	19.617	-1.01			306817	VV	2
PCB260;4	19.815	-0.52			678759	VV	3
	20.276				128132	VE	
	20.475				14188	EV	
	20.640				15799	EV	
	20.819				7600	VB	
	21.367				254111	BV	
	21.537				222982	VV	
	21.834				284419	VE	
	22.329				22761	EV	
	22.591				6005	EV	
	22.783				6703	VV	
	22.914				8354	VV	

23.224	59789	VV
23.489	153247	VV
23.862	15166	VB
24.077	418	BV
24.431	4231	VV
24.805	4288	VV
25.056	13154	VV
25.247	45289	VE
25.664	1490	EB
25.887	99	BB
26.093	2118	BV
26.321	3349	VV
26.503	18016	VV
26.869	6235	VV
27.038	6026	VV
27.194	7525	VV
27.411	7904	VV
27.596	54971	VV
27.881	59519	VV
28.154	51032	VV
28.443	21682	VV
28.808	6267	VV
29.092	5922	VV
29.398	5336	VV
30.117	11651	VE
30.636	630	EB

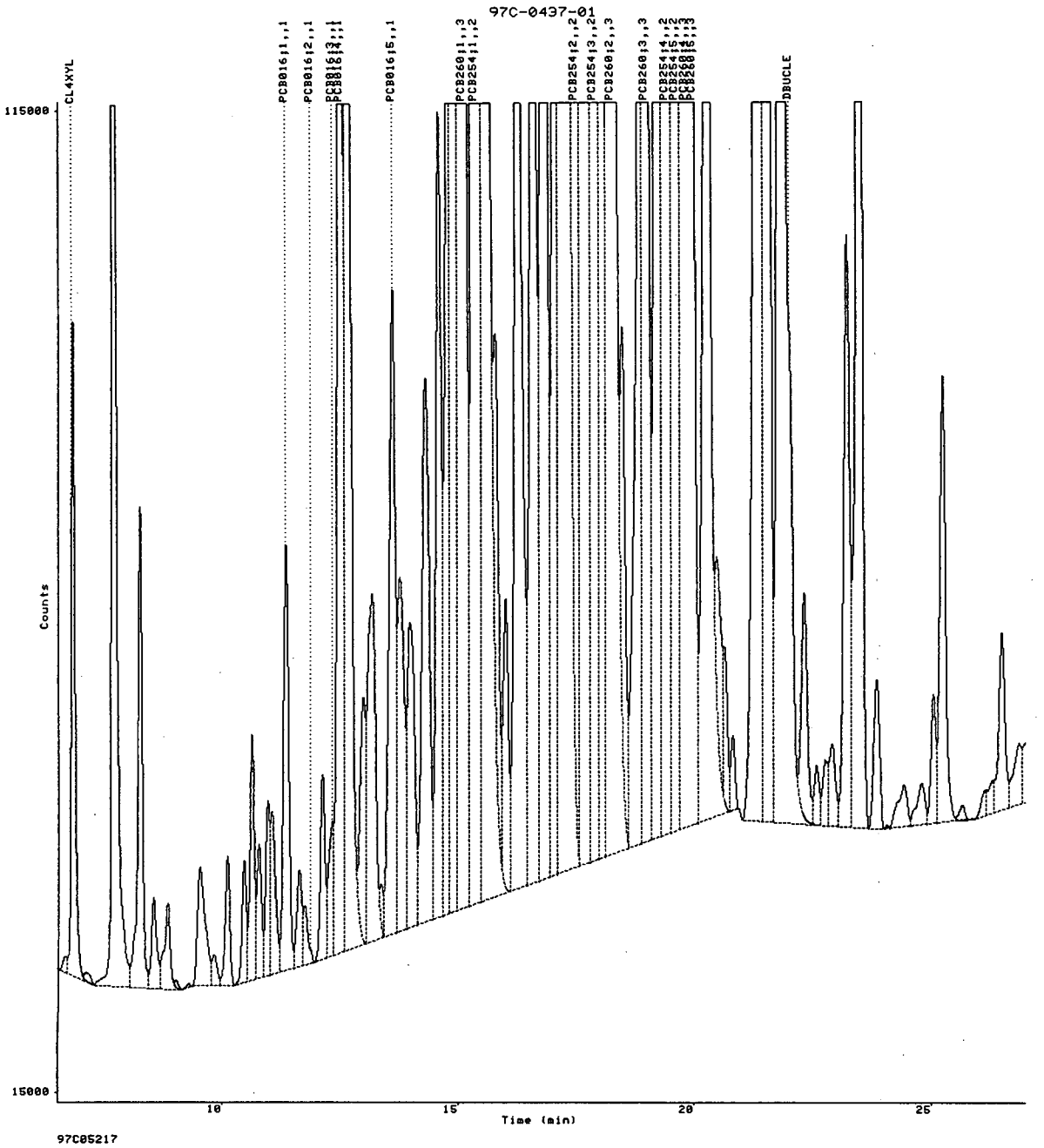
GROUP REPORT

Group	UG/ML
1	278.0

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324056.RAW;1
Report: 1197258926
Acquired: 21-NOV-1997 21:28:23
Time range: 6.50-27.00



0398

Date..... 1-DEC-1997 17:12:45.86 User: TAYLORC
Report number.....1197258927
Raw file.....DISK:[TAYLORC]5697324057.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 22:05:11
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05218
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....91
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.644			1442			BV	
CL4XYL	6.811	-2.36	15.14	66548			VB	
	7.207			106			BB	
	7.326			398			BV	
	7.448			471			VV	
	7.676			198987			VV	

0399

	8.241			471332	VE	
	8.534			10909	EV	
	8.836			16840	EV	
	9.005			1875	VB	
	9.280			890	BV	
	9.552			5549	VV	
	9.824			2355	VB	
	10.106			16826	BB	
	10.460			22941	BV	
	10.630			150381	VE	
	10.770			12674	EV	
	10.965			49198	VV	
	11.049			38555	VV	
PCB016;1	11.345	-0.51	71.49	78780	VV	1
	11.632			147821	VV	
	12.123			34674	VV	
PCB016;3	12.343	-0.12	99.25	37348	VV	1
PCB016;4	12.501	-0.23		361602	VV	1
	12.652			359657	VV	
	13.000			106758	VV	
	13.115			141696	VE	
	13.362			22332	EV	
PCB016;5	13.610	-0.40		153577	VV	1
	13.738			84044	VV	
	14.033			117475	VV	
	14.277			163937	VV	
	14.580			218986	VV	
	14.775			249495	VV	
	14.942			753343	VV	
PCB260;1	15.070	0.33		978661	VV	3
PCB254;1	15.367	-1.11		739113	VV	2
	15.559			812973	VE	
	15.789			109390	EV	
	15.991			75231	EV	
	16.253			235463	VV	
	16.583			252369	VV	
	16.815			417506	VV	
	17.051			250416	VV	
	17.234			967323	VV	
PCB254;2	17.488	-0.64		271020	VV	2
	17.687			714672	VV	
PCB254;3	17.873	-0.52		399434	VV	2
	18.021			274361	VV	
PCB260;2	18.249	-0.88		637398	VE	3
	18.467			73680	EV	
	18.835			122760	EV	
PCB260;3	18.976	-1.16		245575	VV	3
	19.220			299324	VV	
PCB254;4	19.383	0.52		385432	VV	2
PCB254;5	19.615	-0.91		438099	VV	2
PCB260;4	19.811	-0.33		806895	VE	3
	20.273			155871	EV	
	20.609			34931	VV	
	20.815			20115	VV	
	20.989			11858	VV	
	21.365			305890	VV	
	21.535			244065	VV	
	21.833			304068	VE	
	22.325			26086	EV	
	22.599			8970	EV	

22.755	10695	VV
23.224	76398	VV
23.486	175666	VE
23.864	18009	EB
24.298	4287	BV
24.415	5163	VB
24.692	1550	BV
24.848	3047	VV
25.053	15555	VV
25.253	38556	VE
25.657	2832	EV
25.883	2357	EB
26.502	15180	BV
26.944	2790	VV
27.181	3103	VB
27.590	50318	BV
27.860	24551	VV
27.970	23485	VV
28.159	38248	VE
28.711	356	EB
28.988	932	BV
29.334	4120	VB
29.815	1220	BV
30.168	3426	VV
30.403	12663	VB

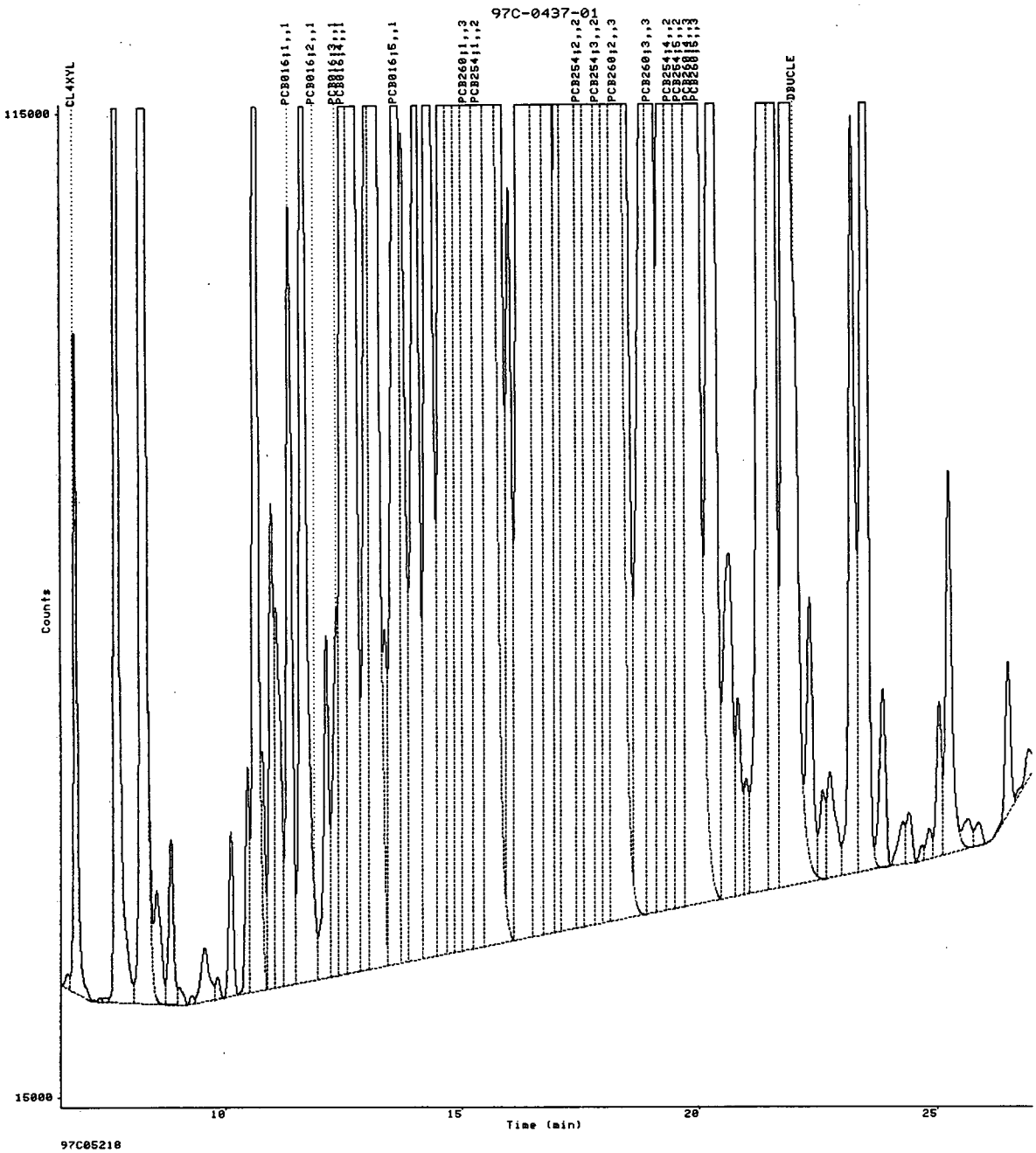
GROUP REPORT

Group	UG/ML
1	170.7

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324057.RAW;1
Report: 1197258927
Acquired: 21-NOV-1997 22:05:11
Time range: 6.50-27.00



0402

Date..... 1-DEC-1997 17:12:59.29 User: TAYLORC
Report number.....1197258928
Raw file.....DISK:[TAYLORC]5697324058.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 22:41:54
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05219
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....87
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.646			1519			BV	
CL4XYL	6.810	-2.28	15.58	68420			VE	
	7.114			950			EB	
	7.674			437769			BV	
	8.238			49754			VE	
	8.538			8742			EV	

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	8.832				9341	EV	
	9.009				918	VB	
	9.287				752	BV	
	9.529				13219	VV	
	9.823				3384	VV	
	10.104				14412	VB	
	10.456				14070	BV	
	10.629				29459	VV	
	10.779				12039	VV	
	10.966				19887	VV	
	11.053				19452	VV	
PCB016;1	11.345	-0.49	40.79		47362	VV	1
	11.634				12501	VV	
PCB016;2	11.747	7.91	15.00		6718	VB	1
	12.121				22552	BV	
PCB016;4	12.490	0.42			355130	VV	1
	12.648				145067	VE	
	12.992				29816	EV	
	13.142				39270	VE	
	13.372				5692	EV	
PCB016;5	13.607	-0.25	245.1	+	74834	VV	1
	13.748				37501	VV	
	13.976				35108	VV	
	14.294				57303	VV	
	14.579				86750	VV	
	14.781				97486	VV	
	14.949				291108	VV	
PCB260;1	15.073	0.13			513032	VV	3
PCB254;1	15.360	-0.69			452670	VV	2
	15.571				395453	VE	
	15.768				36650	EV	
	15.999				35644	EV	
	16.251				138665	VV	
	16.581				166969	VV	
	16.816				287486	VV	
	17.254				960921	VE	
PCB254;2	17.482	-0.27			160501	EV	2
	17.688				483267	VV	
PCB254;3	17.876	-0.71			267404	VV	2
	18.012				161980	VV	
PCB260;2	18.253	-1.14			446875	VE	3
	18.467				36808	EV	
	18.849				94967	VV	
PCB260;3	18.971	-0.81			155877	VV	3
	19.221				248538	VV	
PCB254;4	19.384	0.49			272059	VV	2
PCB254;5	19.617	-1.02			281926	VV	2
PCB260;4	19.813	-0.43			624436	VV	3
	20.276				115422	VE	
	20.469				13585	EV	
	20.642				13585	EV	
	20.819				5580	VB	
	21.366				232830	BV	
	21.537				198282	VV	
	21.833				253864	VE	
	22.328				17015	EV	
	22.596				2953	EV	
	22.784				4550	VV	
	22.898				4218	VV	
	23.223				52046	VV	

23.488	138673	VB
23.863	13413	BB
24.426	4218	BV
24.796	5984	VV
25.055	12933	VV
25.243	44198	VE
25.659	1785	EV
25.845	392	EB
26.139	2771	BV
26.504	16431	VV
26.860	6450	VV
27.195	8500	VV
27.593	55641	VV
27.879	45982	VV
28.157	50944	VV
28.446	17941	VV
28.823	7070	VV
29.090	5886	VV
29.389	5441	VV
30.124	17865	VE
30.640	1168	EB

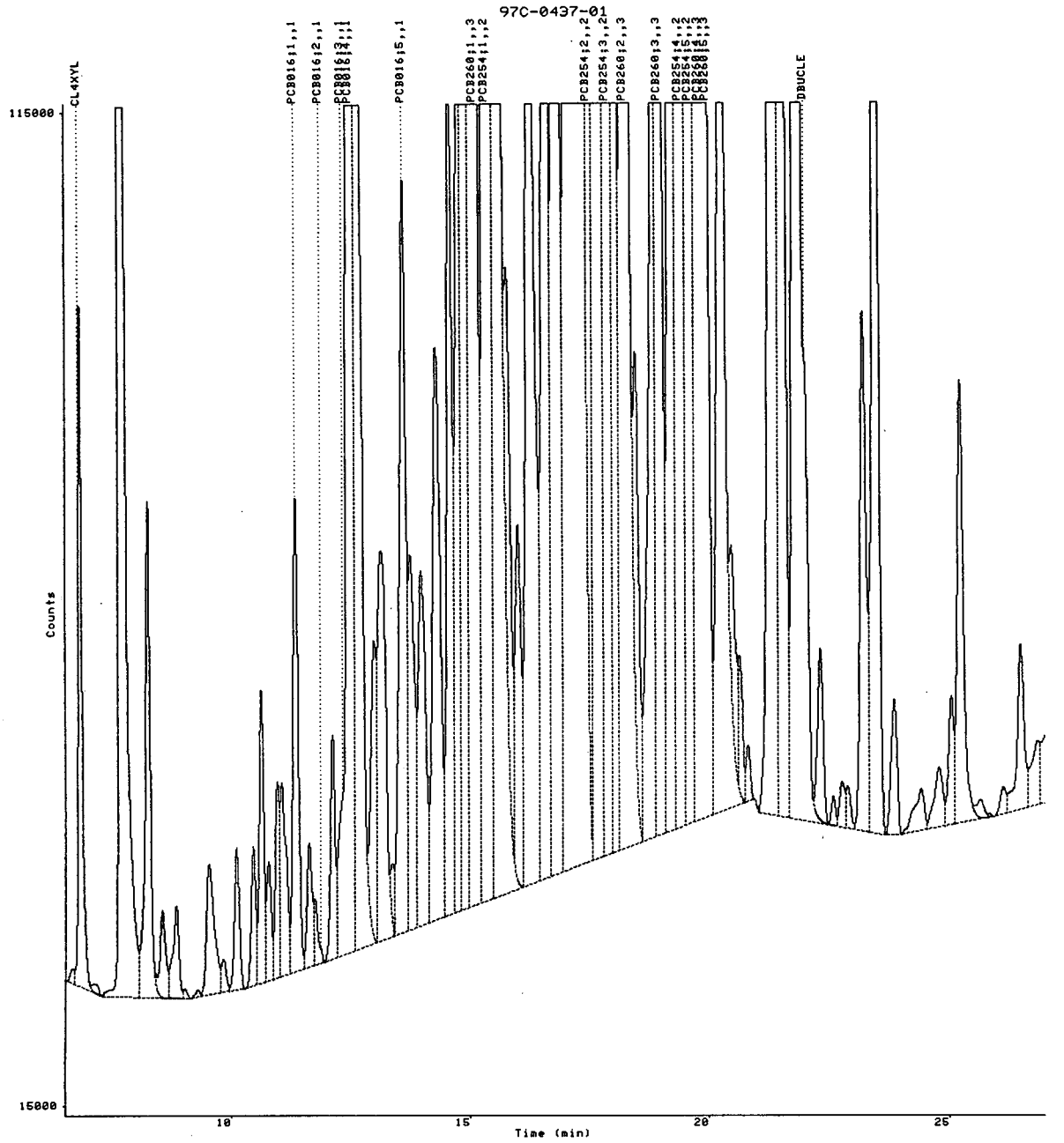
GROUP REPORT

Group	UG/ML
1	300.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324058.RAW;1
Report: 1197258928
Acquired: 21-NOV-1997 22:41:54
Time range: 6.50-27.00



97C05219

0406

Date..... 1-DEC-1997 17:13:12.76 User: TAYLORC
Report number.....1197258929
Raw file.....DISK:[TAYLORC]5697324059.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 23:18:42
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05220
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....87
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
12.34	PCB016;3	1		
17.48	PCB254;2	2		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.812	-2.42	16.94	74160			BE	
	7.116			1260			EB	
	7.435			425			BB	
	7.678			177943			BE	
	8.244			9012			EB	
	8.615			405			BV	

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	8.840				2827	VE	
	9.020				395	EB	
	9.278				462	BV	
	9.580				939	VB	
	10.183				645	BB	
	10.462				3613	BV	
	10.607				1925	VB	
	10.775				2060	BB	
	11.056				268	BB	
PCB016;1	11.350	-0.80	8.996		11128	BE	1
	11.647				1527	EV	
PCB016;2	11.761	7.11	6.086		2772	EV	1
	12.131				1337	VB	
PCB016;4	12.492	0.29			169862	BE	1
	12.960				3481	EV	
	13.202				3762	EV	
	13.374				1928	EV	
PCB016;5	13.601	0.09	20.42		9235	VV	1
	13.746				4749	VV	
	13.871				6880	VV	
	14.039				7662	VV	
	14.358				8421	VV	
	14.580				39106	VV	
	14.781				24741	VV	
PCB260;1	15.080	-0.31			111151	VV	3
PCB254;1	15.354	-0.31			175824	VV	2
	15.590				117662	VE	
	15.801				13151	EV	
	15.977				7463	EV	
	16.266				23402	VV	
	16.584				65134	VV	
	16.816				115776	VV	
	17.049				80481	VV	
	17.255				978361	VV	
	17.688				243871	VV	
PCB254;3	17.872	-0.47			115575	VV	2
	17.997				59975	VV	
PCB260;2	18.255	-1.24	172.2	+	180983	VE	3
	18.462				10922	EV	
	18.685				4257	EV	
PCB260;3	18.969	-0.71	94.10		53399	VV	3
	19.222				117584	VV	
PCB254;4	19.380	0.70			112465	VV	2
PCB254;5	19.615	-0.88			109763	VV	2
PCB260;4	19.812	-0.36			285131	VV	3
	20.275				48386	VE	
	20.611				10798	EV	
	20.818				10678	EB	
	21.365				108438	BV	
	21.532				85726	VV	
	21.833				77866	VV	
DBUCLE	22.009	0.17	14.30		45691	VV	
	22.323				16127	VV	
	22.590				6320	VV	
	22.815				4542	VB	
	23.220				16949	BV	
	23.484				47011	VE	
	23.852				5249	EB	
	24.064				292	BB	
	24.332				4519	BB	

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24.673	1140	BV
25.051	3114	VV
25.250	7012	VB
25.662	1403	BV
25.883	847	VB
26.257	183	BB
26.500	4108	BB
27.062	2055	BV
27.585	49076	VV
27.876	15136	VV
27.949	14613	VV
28.155	19618	VE
28.467	1665	EV
28.670	1766	EV
28.961	1472	VE
29.180	115	EB
29.416	1897	BV
29.907	2261	VV
30.157	3337	VV
30.353	3634	VV
30.738	2228	VB

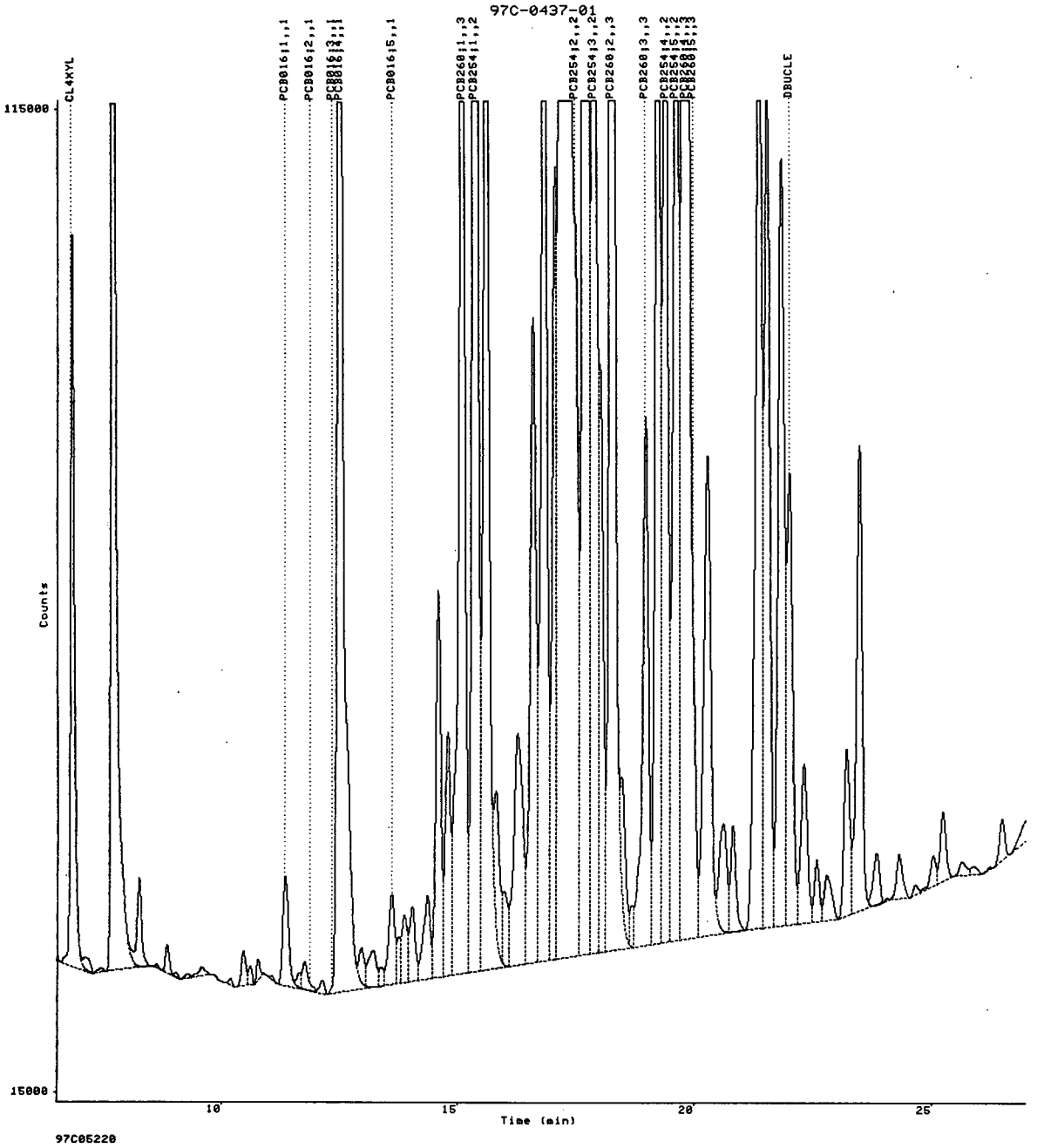
GROUP REPORT

Group	UG/ML
1	35.50
3	266.3

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324059.RAW;1
Report: 1197258929
Acquired: 21-NOV-1997 23:18:42
Time range: 6.50-27.00



0410

Date..... 1-DEC-1997 17:13:26.17 User: TAYLORC
Report number.....1197258930
Raw file.....DISK:[TAYLORC]5697324060.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....21-NOV-1997 23:55:26
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05221
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....47
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
17.48	PCB254;2	2		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.814	-2.52	15.06	66220			BB	
	7.674			5248			BE	
	7.890			978			EB	
	8.253			435			BB	
	8.854			78			BB	

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	10.101			36	BB	
	10.627			119	BB	
	11.053			508	BV	
PCB016;1	11.357	-1.17	-0.01132-	180	VB	1
PCB016;4	12.506	-0.56	5.392	1783	BV	1
	12.660			1404	VB	
	13.131			86	BB	
PCB016;5	13.618	-0.87	0.8536	509	BB	1
	14.009			185	BB	
	14.268			181	BB	
	14.596			396	BV	
	14.786			515	VV	
	14.940			1544	VV	
PCB260;1	15.076	-0.08	8.151	3241	VV	3
PCB254;1	15.367	-1.09	1.750	2094	VV	2
	15.566			1964	VB	
	15.826			141	BB	
	16.259			633	BV	
	16.591			485	VV	
	16.822			858	VB	
	17.261			56197	BE	
	17.697			1434	EV	
PCB254;3	17.873	-0.53	1.945	694	EB	2
PCB260;2	18.254	-1.22	0.9339	1514	BB	3
PCB260;3	18.975	-1.08	0.3068 -	285	BB	3
	19.239			535	BV	
PCB254;4	19.384	0.48	1.397	984	VV	2
PCB254;5	19.619	-1.13	2.428	956	VV	2
PCB260;4	19.817	-0.68	1.509	2198	VB	3
	20.288			275	BB	
	21.372			699	BV	
	21.551			369	VB	
DBUCLE	22.013	-0.03	12.21	39254	BB	
	23.501			323	BB	
	24.087			106	BB	
	24.439			144	BB	
	24.990			632	BB	
	26.514			2623	BV	
	26.880			1733	VV	
	27.584			48633	VV	
	27.949			22794	VB	
	29.925			1488	BB	

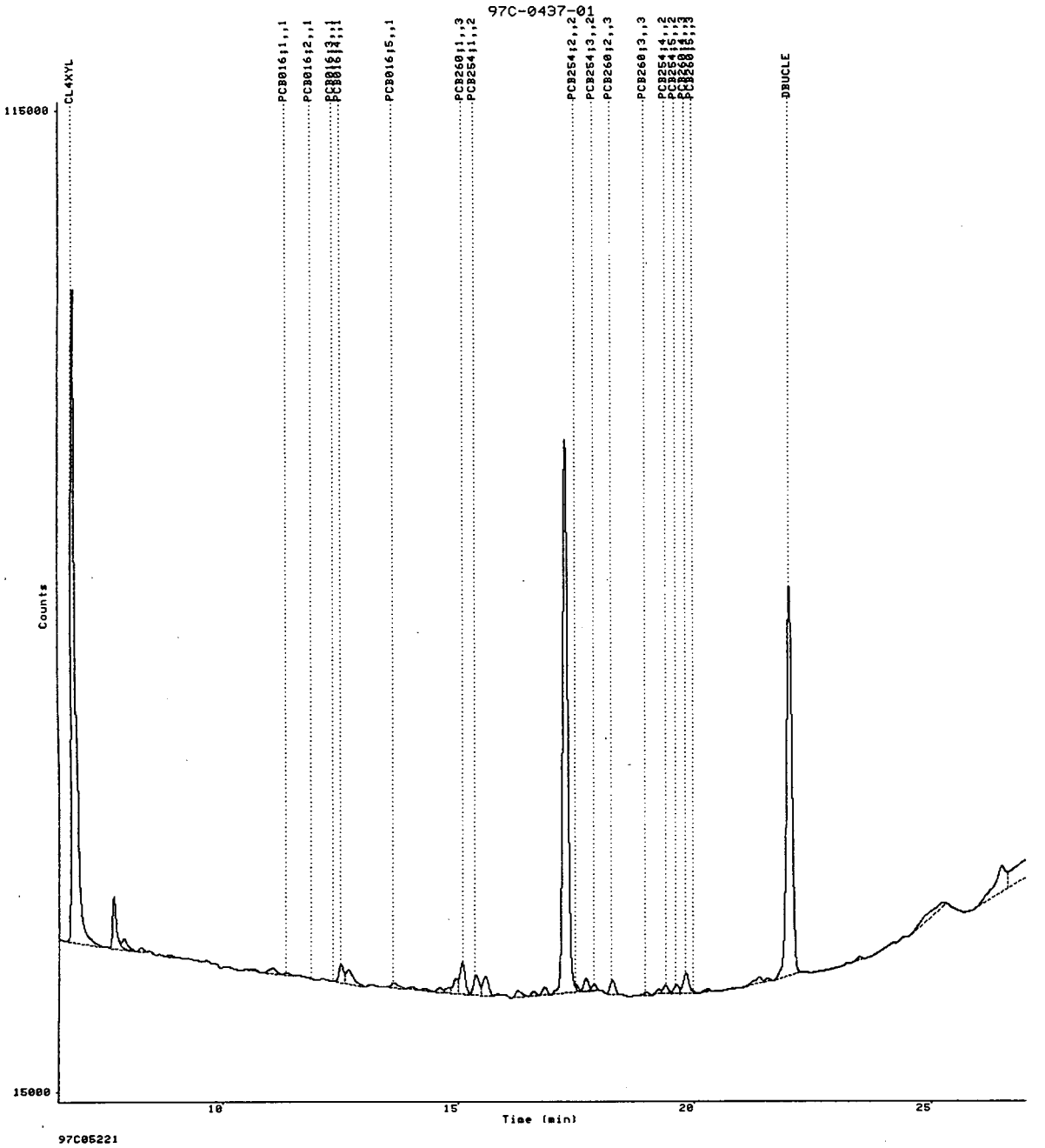
GROUP REPORT

Group	UG/ML
1	6.234
2	7.521 $\times \frac{5}{4} = 9.40125$
3	10.90

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324060.RAW;1
Report: 1197258930
Acquired: 21-NOV-1997 23:55:26
Time range: 6.50-27.00



Date..... 1-DEC-1997 17:13:40.94 User: TAYLORC
Report number.....1197258931
Raw file.....DISK:[TAYLORC]5697324061.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 00:32:08
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05222
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....100
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

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Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.624			2240			BV	
CL4XYL	6.809	-2.21	16.16	70881			VB	
	7.299			425			BB	
	7.673			560880			BV	
	8.238			429641			VE	
	8.537			23500			EV	

	8.831				27918	EV	
	9.004				2400	VB	
	9.294				588	BB	
	9.559				30294	BE	
	9.825				3495	EB	
	10.101				36575	BE	
	10.284				320	EB	
	10.460				30044	BV	
	10.628				243052	VE	
	10.770				23577	EV	
	10.961				54161	VV	
	11.053				46673	VV	
PCB016;1	11.342	-0.29	102.9		107331	VB	1
	11.615				51224	BB	
	12.121				39812	BV	
PCB016;3	12.342	-0.08	166.6	+	60678	VV	1
PCB016;4	12.492	0.32			603208	VV	1
	12.648				381671	VV	
	13.011				160582	VV	
	13.126				205968	VV	
	13.160				205713	VV	
	13.360				59957	VV	
PCB016;5	13.606	-0.19			190105	VV	1
	13.745				114537	VV	
	14.026				149065	VV	
	14.273				307843	VV	
	14.582				299558	VV	
	14.778				409376	VV	
PCB260;1	14.996	4.72			949242	VV	3
PCB254;1	15.387	-2.30			957808	VV	2
	15.535				949907	VE	
	15.784				142043	EV	
	15.997				175379	EV	
	16.253				349739	VV	
	16.581				436784	VV	
	16.814				701580	VV	
	17.057				502025	VV	
	17.241				945757	VV	
PCB254;2	17.485	-0.49			437728	VV	2
	17.687				957213	VV	
PCB254;3	17.875	-0.63			667024	VV	2
	18.019				428636	VV	
PCB260;2	18.248	-0.82			956427	VE	3
	18.466				137979	EV	
	18.840				261263	VV	
PCB260;3	18.974	-1.02			429348	VV	3
	19.219				540668	VV	
PCB254;4	19.383	0.51			666205	VV	2
PCB254;5	19.616	-0.96			715664	VV	2
PCB260;4	19.808	-0.10			949953	VV	3
	20.275				290406	VE	
	20.517				35456	EV	
	20.646				47406	EV	
	20.816				30755	VV	
	20.970				18579	VV	
	21.364				533551	VV	
	21.535				446718	VV	
	21.834				546527	VE	
	22.326				35529	EB	
	22.630				1603	BV	

22.740	817	VB
22.881	2687	BB
23.225	135182	BV
23.487	314958	VB
23.868	31731	BB
24.258	11343	BV
24.420	7969	VB
24.681	2298	BV
24.840	3108	VV
25.051	25278	VV
25.252	70616	VB
25.575	910	BV
25.656	1458	VB
25.892	434	BB
26.139	4317	BV
26.345	5314	VV
26.502	30589	VE
26.689	3308	EV
27.021	6703	EV
27.193	14754	VV
27.366	9057	VV
27.591	63611	VV
27.830	31842	VV
27.980	22460	VV
28.160	59265	VE
28.437	8006	EV
28.616	5639	EV
28.989	2678	VV
29.325	8761	VV
29.771	4960	VV
30.150	3760	VV
30.403	13544	VE
30.668	1138	EV
30.702	1329	EB

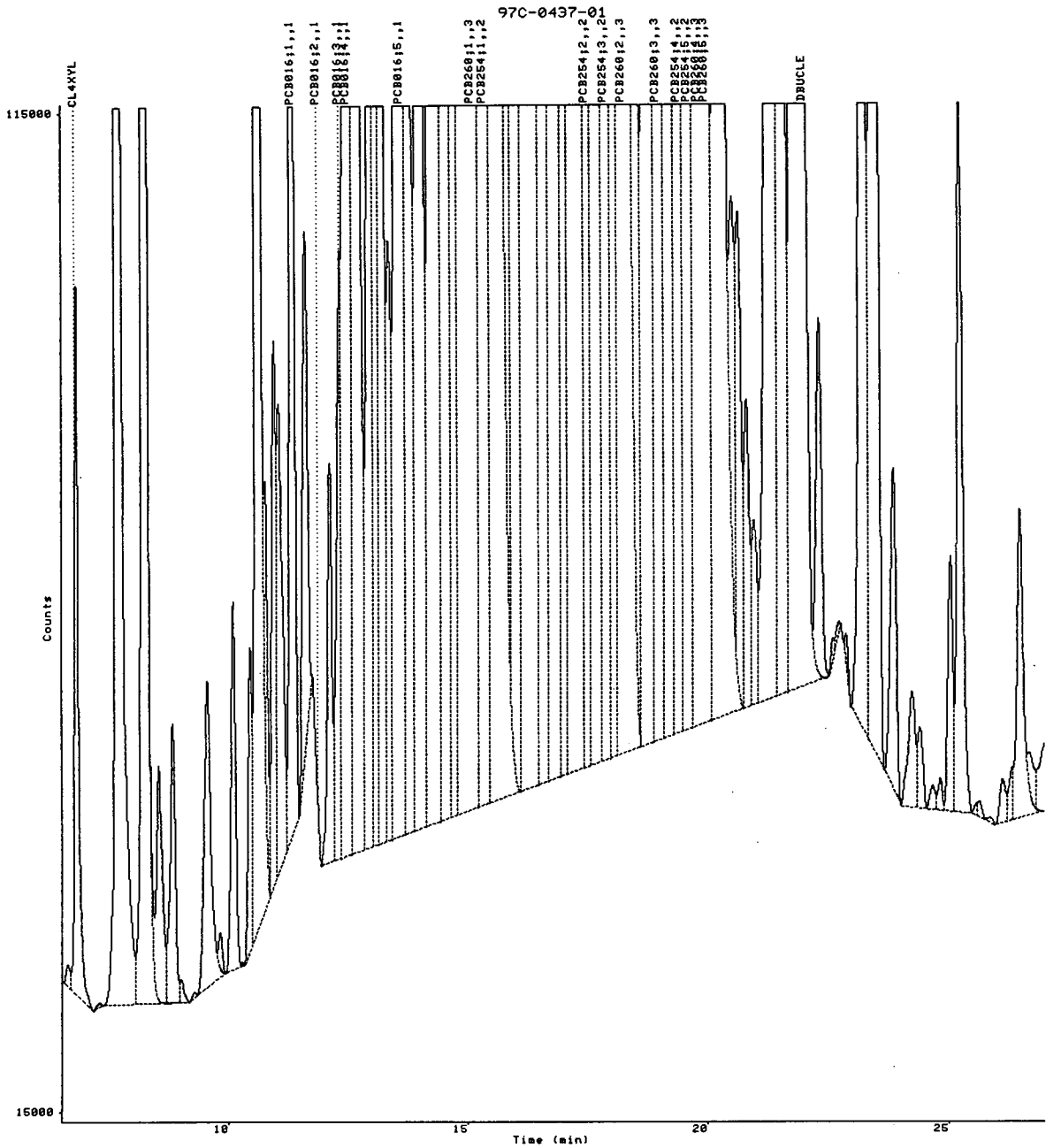
GROUP REPORT

Group	UG/ML
1	269.5

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324061.RAW;1
Report: 1197258931
Acquired: 22-NOV-1997 00:32:08
Time range: 6.50-27.00



97C05222

0417

Date..... 1-DEC-1997 17:14:07.78 User: TAYLORC
Report number.....1197258933
Raw file.....DISK:[TAYLORC]5697324063.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 01:45:42
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05223
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....92
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.629			1519			BV	
CL4XYL	6.811	-2.32	14.11	62192			VB	
	7.306			71			BB	
	7.675			319398			BV	
	8.240			306966			VE	
	8.536			22495			EV	

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	8.834				18475	EV	
	8.998				2029	VB	
	9.298				760	BV	
	9.561				23699	VE	
	9.824				3752	EV	
	10.104				27488	VE	
	10.317				3646	EV	
	10.466				32324	VV	
	10.628				335356	VE	
	10.962				51925	EV	
	11.048				44456	EV	
PCB016;1	11.357	-1.18	109.6		112924	VV	1
	11.627				129971	VV	
	12.121				58195	VV	
PCB016;3	12.335	0.36	225.1	+	79591	VV	1
PCB016;4	12.496	0.06			507724	VV	1
	12.652				412183	VV	
	13.129				244150	VV	
	13.364				81512	VV	
PCB016;5	13.608	-0.32			202719	VV	1
	13.740				119623	VV	
	14.023				131044	VV	
	14.273				371544	VV	
	14.583				263720	VV	
PCB260;1	15.010	3.92			968260	VV	3
PCB254;1	15.391	-2.52			970095	VV	2
	15.532				967555	VE	
	15.790				149783	EV	
	15.999				191062	EV	
	16.255				350789	VV	
	16.582				375178	VV	
	16.816				602780	VV	
	17.057				426637	VV	
	17.237				963636	VV	
PCB254;2	17.488	-0.68			391821	VV	2
	17.686				965150	VV	
PCB254;3	17.875	-0.66			583944	VV	2
	18.021				397357	VV	
PCB260;2	18.244	-0.59			976340	VE	3
	18.462				118856	EV	
	18.833				256527	VV	
PCB260;3	18.972	-0.87			326292	VV	3
	19.219				414103	VV	
PCB254;4	19.385	0.43			567622	VV	2
PCB254;5	19.616	-0.99			622098	VV	2
PCB260;4	19.811	-0.28			973133	VV	3
	20.277				244420	VE	
	20.650				47683	EV	
	20.817				34734	EV	
	20.978				22141	VV	
	21.366				454746	VV	
	21.538				352721	VV	
	21.837				465352	VE	
	22.327				34040	EV	
	22.638				17016	EV	
	22.726				16805	VV	
	22.883				13410	VV	
	23.228				120055	VV	
	23.488				270585	VE	
	23.873				27454	EV	

24.268	11170	VV
24.411	8230	VV
24.654	5069	VV
24.844	5532	VV
25.053	25566	VV
25.256	67549	VE
25.668	1653	EB
25.868	420	BB
26.136	1907	BV
26.504	25789	VE
26.707	3202	EV
27.036	3293	EV
27.193	11029	VV
27.360	3453	VV
27.593	48824	VV
27.861	9999	VV
27.983	7855	VV
28.165	27027	VE
28.447	1008	EV
28.542	269	EB
28.987	664	BB
29.324	3785	BV
29.720	4373	VV
30.131	9258	VV
30.390	8365	VE
30.570	86	EB

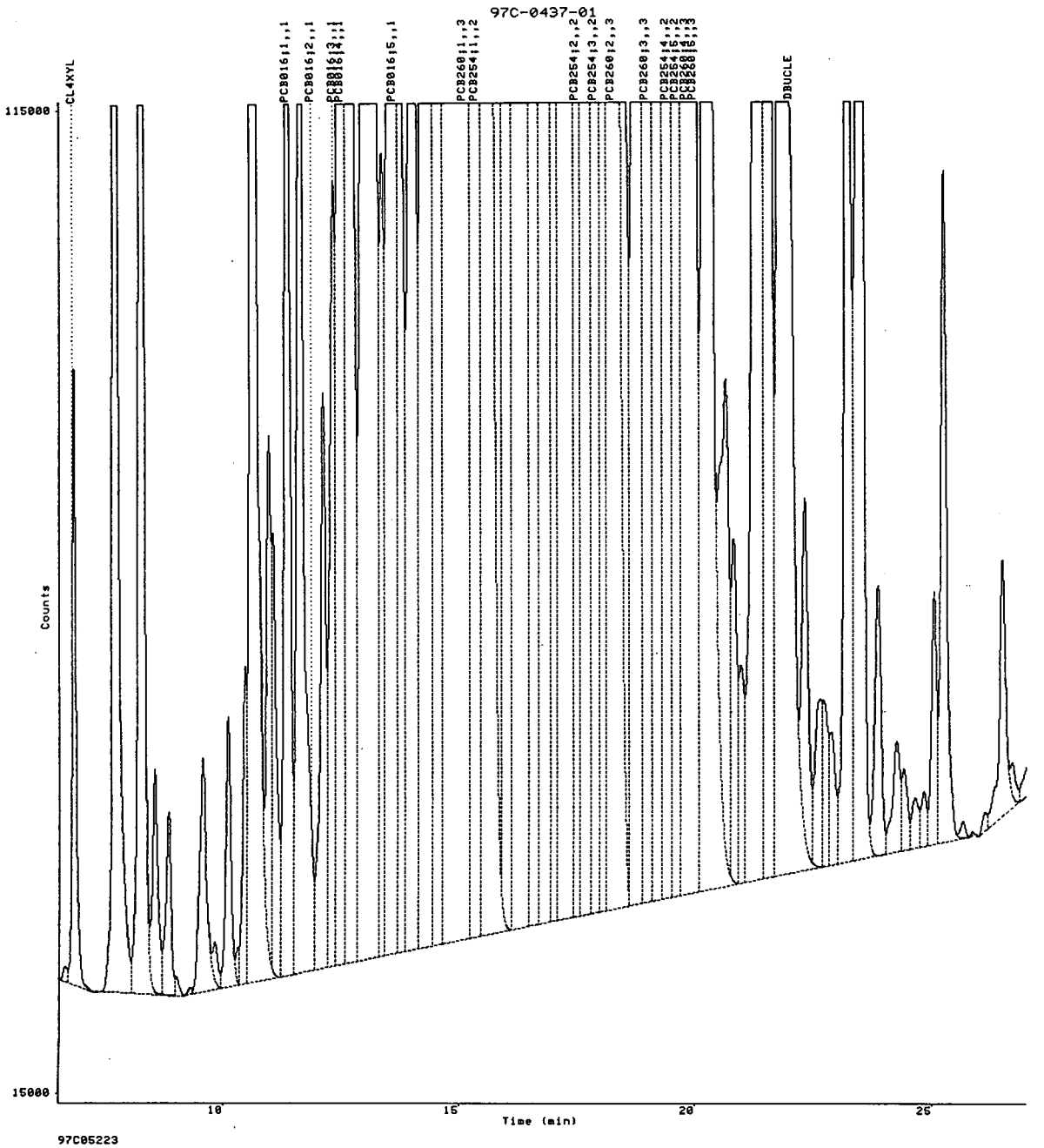
GROUP REPORT

Group	UG/ML
1	334.7

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324063.RAW;1
Report: 1197258933
Acquired: 22-NOV-1997 01:45:42
Time range: 6.50-27.00



0421

Date..... 1-DEC-1997 17:14:21.47 User: TAYLORC
Report number.....1197258934
Raw file.....DISK:[TAYLORC]5697324064.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 02:22:28
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05224
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
length.....30 M
diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....69
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.672			457			BV	
CL4XYL	6.814	-2.49	14.05	61958			VB	
	7.493			349			BV	
	7.669			890			VB	
	7.890			563			BV	
	8.018			485			VV	
	8.124			846			VV	

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	8.245			1656	VB	
	9.067			261	BV	
	9.195			313	VB	
	9.516			49	BB	
	10.514			749	BB	
	10.810			300	BB	
	11.070			473	BV	
PCB016;1	11.362	-1.50	0.1900 -	428	VV	1
	11.637			343	VV	
	12.117			168	VB	
PCB016;3	12.348	-0.41	2.812	1085	BV	1
PCB016;4	12.514	-1.01	3.067	973	VV	1
	12.636			1282	VB	
	12.997			344	BV	
	13.141			755	VB	
PCB016;5	13.603	-0.01	0.1234 -	174	BB	1
	13.806			1163	BB	
	14.286			5465	BB	
	14.747			898	BV	
	14.942			7293	VV	
PCB260;1	15.066	0.56	24.85	8970	VB	3
PCB254;1	15.385	-2.15	3.752	4192	BV	2
	15.553			8351	VB	
	15.991			204	BB	
	16.265			7742	BV	
	16.585			855	VV	
	16.772			1803	VB	
	17.231			11658	BE	
PCB254;2	17.490	-0.78	5.198	1501	EV	2
	17.692			3063	VV	
PCB254;3	17.878	-0.85	7.825	3696	VV	2
PCB260;2	18.259	-1.52	10.51	15859	VB	3
	18.844			2045	BV	
PCB260;3	18.980	-1.39	3.326	2255	VV	3
	19.226			966	VV	
PCB254;4	19.388	0.27	4.932	2863	VV	2
PCB254;5	19.616	-0.98	9.171	3739	VV	2
PCB260;4	19.845	-2.35	6.689	8307	VB	3
	20.264			1253	BV	
	20.633			500	VV	
	20.829			290	VB	
	21.365			2778	BV	
	21.549			2521	VV	
	21.836			6752	VV	
DBUCLE	22.013	-0.08	9.138	29701	VB	
	22.777			113	BB	
	23.221			1766	BV	
	23.490			2718	VB	
	24.430			410	BB	
	24.632			238	BB	
	25.098			968	BV	
	25.259			1983	VV	
	25.846			1178	VB	
	26.503			2666	BV	
	26.954			3353	VV	
	27.585			46662	VV	
	27.945			15888	VE	
	29.061			1874	EV	
	29.102			1764	EV	
	29.416			2702	EB	

30.135	1038	BV
30.348	274	VB

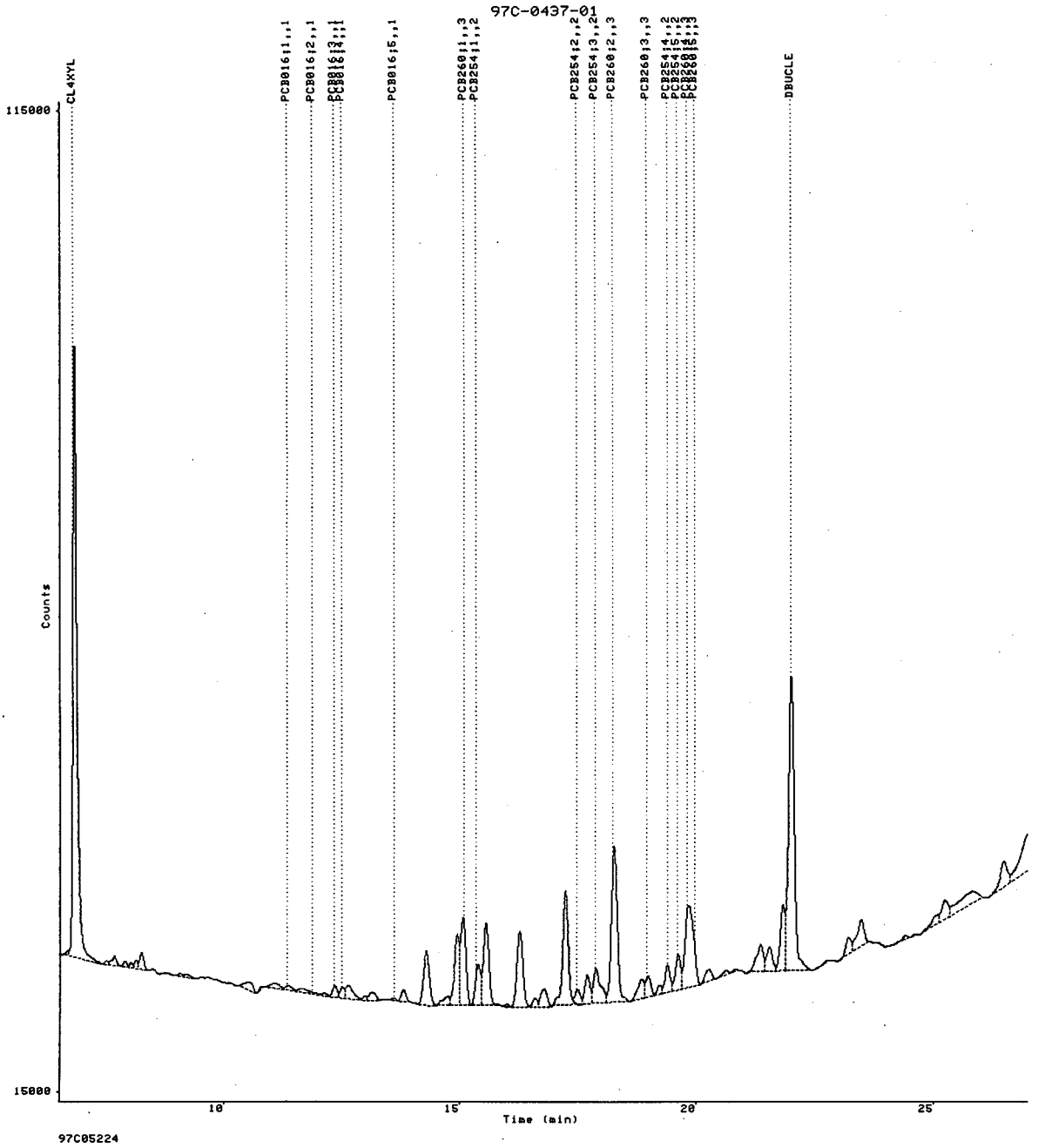
GROUP REPORT

Group	UG/ML
1	6.193
2	30.88
3	45.37

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324064.RAW;1
Report: 1197258934
Acquired: 22-NOV-1997 02:22:28
Time range: 6.50-27.00



0425

Date..... 1-DEC-1997 17:14:36.10 User: TAYLORC
Report number.....1197258935
Raw file.....DISK:[TAYLORC]5697324065.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 02:59:09
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05225
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....90
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.670			2986			BV	
CL4XYL	6.811	-2.36	15.90	69784			VE	
	7.139			1933			EB	
	7.493			1907			BV	
	7.675			169992			VE	
	8.016			5572			EV	
	8.129			9289			EV	
	8.242			29248			EV	

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	8.531			6951	VV	
	8.826			4453	VV	
	9.057			2216	VV	
	9.199			2098	VV	
	9.540			5940	VV	
	9.819			1985	VV	
	10.108			5517	VB	
	10.462			5230	BV	
	10.624			6598	VV	
	10.783			6150	VV	
	10.968			7959	VV	
	11.056			8269	VV	
PCB016;1	11.349	-0.74	14.71	17918	VB	1
	11.644			1931	BB	
PCB016;2	11.885	-0.35	0.2161 -	155	BB	1
	12.123			2953	BV	
PCB016;3	12.349	-0.47	13.79	5384	VV	1
PCB016;4	12.495	0.14		76657	VV	1
	12.644			40203	VE	
	12.978			5675	EV	
	13.189			13693	VE	
	13.360			1379	EV	
PCB016;5	13.607	-0.24	46.99	20312	VV	1
	13.800			22976	VV	
	14.017			11489	VV	
	14.299			33491	VV	
	14.584			26330	VV	
	14.773			34904	VV	
	14.948			131131	VV	
PCB260;1	15.069	0.33		228148	VV	3
PCB254;1	15.365	-0.98		163787	VV	2
	15.564			170058	VE	
	15.760			12368	EV	
	15.993			13111	EV	
	16.259			65451	VV	
	16.583			47029	VV	
	16.812			87162	VV	
	17.053			59630	VV	
	17.251			984857	VE	
PCB254;2	17.482	-0.32		56203	EV	2
	17.687			152958	EV	
PCB254;3	17.875	-0.64		105455	VV	2
	17.998			58400	VV	
PCB260;2	18.252	-1.10		236300	VE	3
	18.459			12372	EV	
	18.842			35385	VV	
PCB260;3	18.973	-0.95	118.4	64451	VV	3
	19.219			79895	VV	
PCB254;4	19.382	0.60		103814	VV	2
PCB254;5	19.615	-0.89		112478	VV	2
PCB260;4	19.815	-0.52		248701	VV	3
	20.269			46735	VE	
	20.552			8430	EV	
	20.616			9072	EV	
	20.818			5248	VB	
	21.363			91246	BV	
	21.535			68796	VV	
	21.830			110031	VV	
DBUCLE	22.014	-0.13	13.63	43648	VE	
	22.326			9800	EB	

22.599	2635	BV
22.776	2730	VB
23.219	23323	BV
23.484	56288	VB
23.861	5729	BB
24.247	434	BB
24.642	1479	BV
24.839	1559	VV
25.051	6042	VV
25.250	15739	VE
25.660	1359	EV
25.852	804	EB
26.500	8180	BV
27.186	5075	VV
27.586	49928	VV
27.860	14579	VV
28.160	33415	VE
28.441	5110	EV
28.674	4976	EV
29.404	7213	VV
30.174	9992	VV
30.404	8487	VB

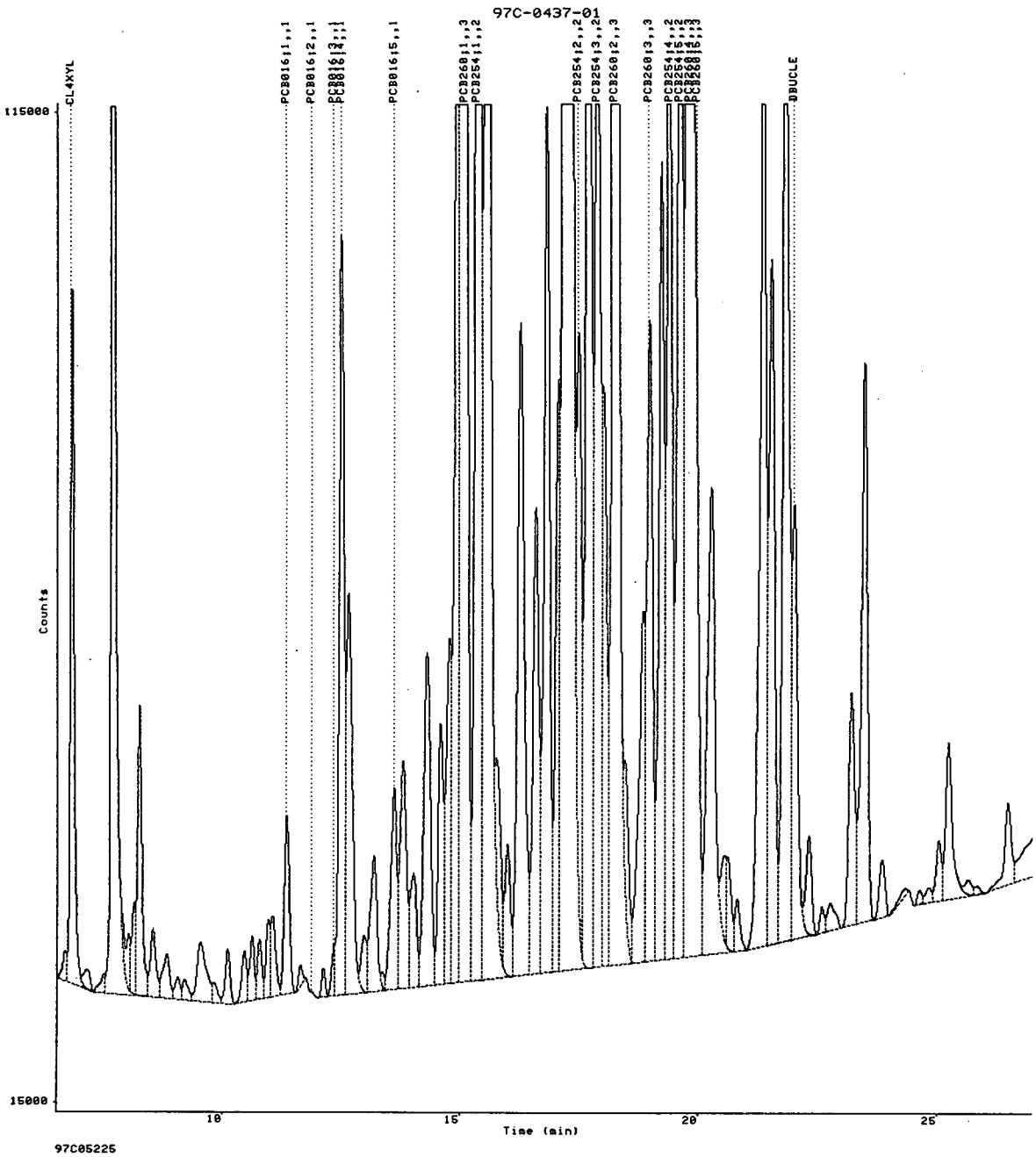
GROUP REPORT

Group	UG/ML
1	75.71
3	118.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324065.RAW;1
Report: 1197258935
Acquired: 22-NOV-1997 02:59:09
Time range: 6.50-27.00



0429

Date..... 1-DEC-1997 17:14:49.76 User: TAYLORC
Report number.....1197258936
Raw file.....DISK:[TAYLORC]5697324066.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 03:35:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05226
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....90
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.96	PCB260;5	3		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.639			1078			BV	
CL4XYL	6.811	-2.33	15.01	66022			VB	
	7.674			487796			BE	
	8.240			46686			EV	
	8.537			12229			EV	
	8.834			11682			EV	
	9.000			1233			VB	

0430

	9.291			1019	BV	
	9.530			15658	VV	
	9.826			7849	VV	
	10.104			16738	VV	
	10.460			18399	VV	
	10.629			32282	VV	
	10.782			14621	VV	
	10.963			32876	VV	
	11.046			29449	VV	
PCB016;1	11.343	-0.36	53.47	60767	VV	1
	11.635			19911	VV	
PCB016;2	11.749	7.81	20.72	9229	VV	1
	12.120			43309	VV	
PCB016;3	12.262	4.74	77.50	29462	VV	1
PCB016;4	12.490	0.42		448367	VV	1
	12.651			195199	VE	
	12.988			33526	EV	
	13.140			44599	EV	
	13.379			10939	VV	
PCB016;5	13.607	-0.25		100240	VV	1
	13.729			49283	VV	
	13.976			52710	VV	
	14.288			59517	VV	
	14.580			96939	VV	
	14.778			117263	VV	
	14.946			276889	VV	
PCB260;1	15.075	0.02		544195	VV	3
PCB254;1	15.360	-0.68		466380	VV	2
	15.573			382165	VE	
	15.774			44620	EV	
	15.998			41738	EV	
	16.249			164920	VV	
	16.583			183419	VV	
	16.817			306302	VV	
	17.261			964641	VE	
PCB254;2	17.481	-0.23		182477	EV	2
	17.687			488962	VV	
PCB254;3	17.877	-0.81		275798	VV	2
	18.013			173153	VV	
PCB260;2	18.255	-1.27		456098	VE	3
	18.467			42124	EV	
	18.847			118264	VV	
PCB260;3	18.969	-0.72		160300	VV	3
	19.223			248376	VV	
PCB254;4	19.384	0.48		279753	VV	2
PCB254;5	19.620	-1.19		300617	VV	2
PCB260;4	19.815	-0.55		626087	VE	3
	20.277			119544	EV	
	20.453			50209	EV	
	20.653			21537	VV	
	20.815			12130	VV	
	21.366			237910	VV	
	21.539			201963	VV	
	21.834			255442	VE	
	22.327			12904	EV	
	22.591			3805	EV	
	22.769			6600	VV	
	22.899			6405	VV	
	23.226			54828	VV	
	23.489			143438	VV	

23.870	13912	VE
24.247	2077	EV
24.430	4035	VV
24.791	5987	VV
25.053	11696	VV
25.254	32835	VE
25.668	659	EB
26.077	409	BV
26.505	15168	VV
26.868	5576	VV
27.033	5169	VV
27.189	6236	VV
27.593	53116	VV
27.876	36954	VV
28.155	34308	VV
28.443	13033	VV
28.827	6696	VV
29.105	4616	VV
29.384	5538	VV
29.822	5392	VV
30.144	6593	VV
30.396	5053	VV
30.667	2551	VB

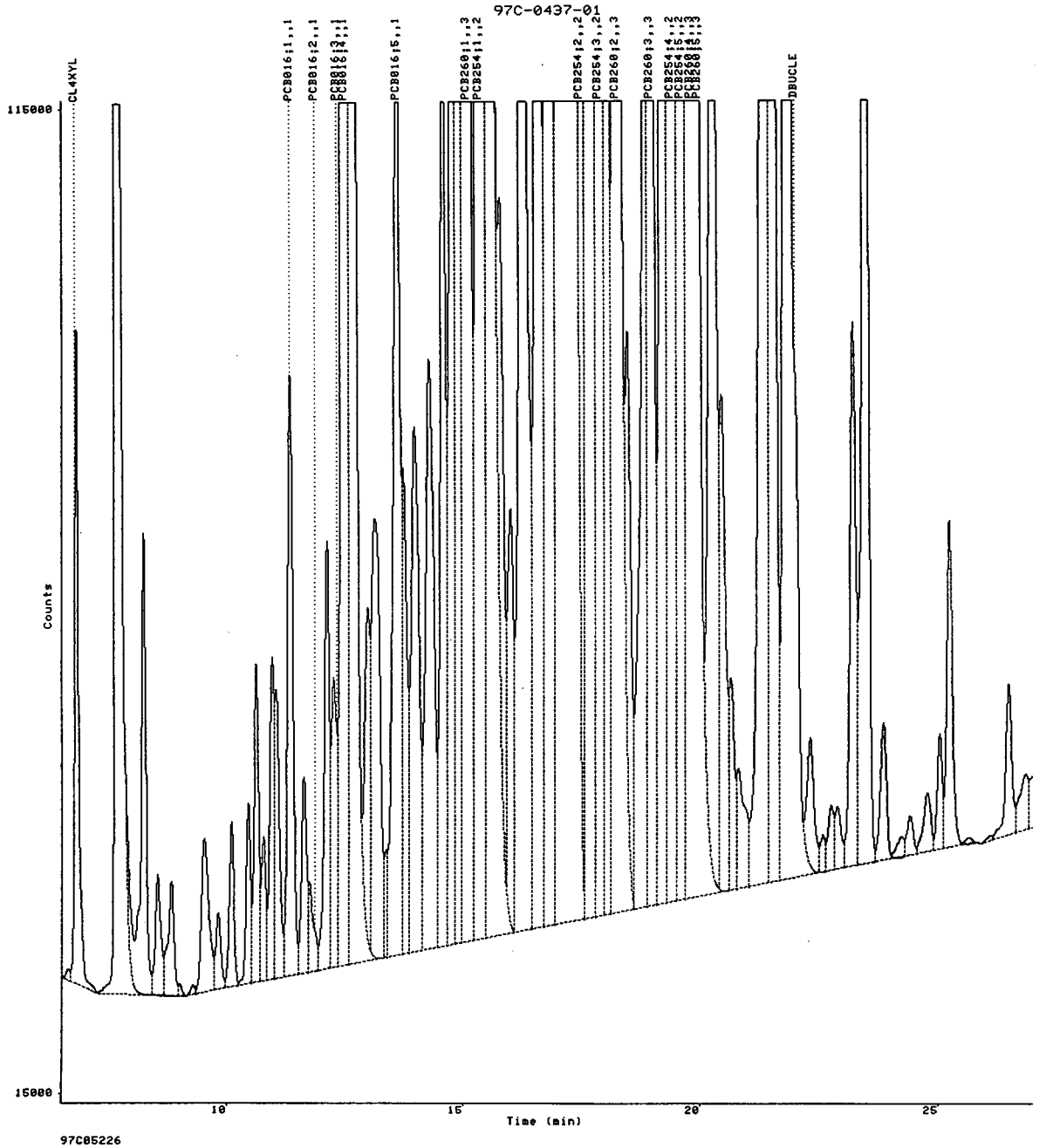
GROUP REPORT

Group	UG/ML
1	151.7

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324066.RAW;1
Report: 1197258936
Acquired: 22-NOV-1997 03:35:55
Time range: 6.50-27.00



Date..... 1-DEC-1997 17:15:04.33 User: TAYLORC
Report number.....1197258937
Raw file.....DISK:[TAYLORC]5697324067.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 04:12:38
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05227
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....57
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;2	1		
12.34	PCB016;3	1		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.814	-2.49	14.97	65834			BB	
	7.674			12468			BE	
	7.882			547			EV	
	8.226			554			VB	
	8.450			570			BB	
	8.677			441			BB	

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	8.874			188	BB	
	9.245			447	BB	
	9.512			171	BB	
	10.130			302	BB	
	10.469			245	BB	
	11.062			1145	BV	
PCB016;1	11.355	-1.07	0.1762 -	411	VB	1
	12.133			213	BB	
PCB016;4	12.501	-0.22	8.121	2727	BV	1
	12.659			2063	VB	
PCB016;5	13.613	-0.61	0.9038	532	BB	1
	14.031			449	BB	
	14.589			1134	BV	
	14.787			920	VV	
PCB260;1	15.079	-0.27	9.907	3853	VV	3
PCB254;1	15.362	-0.77	2.988	3394	VV	2
	15.591			2318	VE	
	15.811			310	EB	
	16.256			748	BB	
	16.591			1004	BV	
	16.820			1477	VB	
	17.055			977	BV	
	17.257			48901	VE	
PCB254;2	17.482	-0.32	2.432	719	EV	2
	17.696			3627	VV	
PCB254;3	17.876	-0.71	3.208	1344	VB	2
PCB260;2	18.259	-1.52	1.972	3093	BB	3
PCB260;3	18.973	-0.97	0.7847 -	598	BB	3
	19.233			1236	BV	
PCB254;4	19.384	0.45	2.753	1708	VV	2
PCB254;5	19.620	-1.19	5.090	2062	VV	2
PCB260;4	19.818	-0.71	3.603	4682	VB	3
	20.286			611	BV	
	20.830			156	VB	
	21.370			1739	BV	
	21.540			1050	VV	
DBUCLE	22.012	-0.03	11.86	38179	VE	
	22.334			144	EB	
	23.506			1141	BE	
	23.744			114	EB	
	24.427			261	BB	
	25.056			393	BB	
	25.618			61	BV	
	25.843			491	VB	
	26.503			1330	BB	
	27.054			1403	BB	
	27.582			48652	BE	
	27.988			1367	EB	
	28.979			312	BB	
	29.437			1505	BB	
	30.012			671	BB	

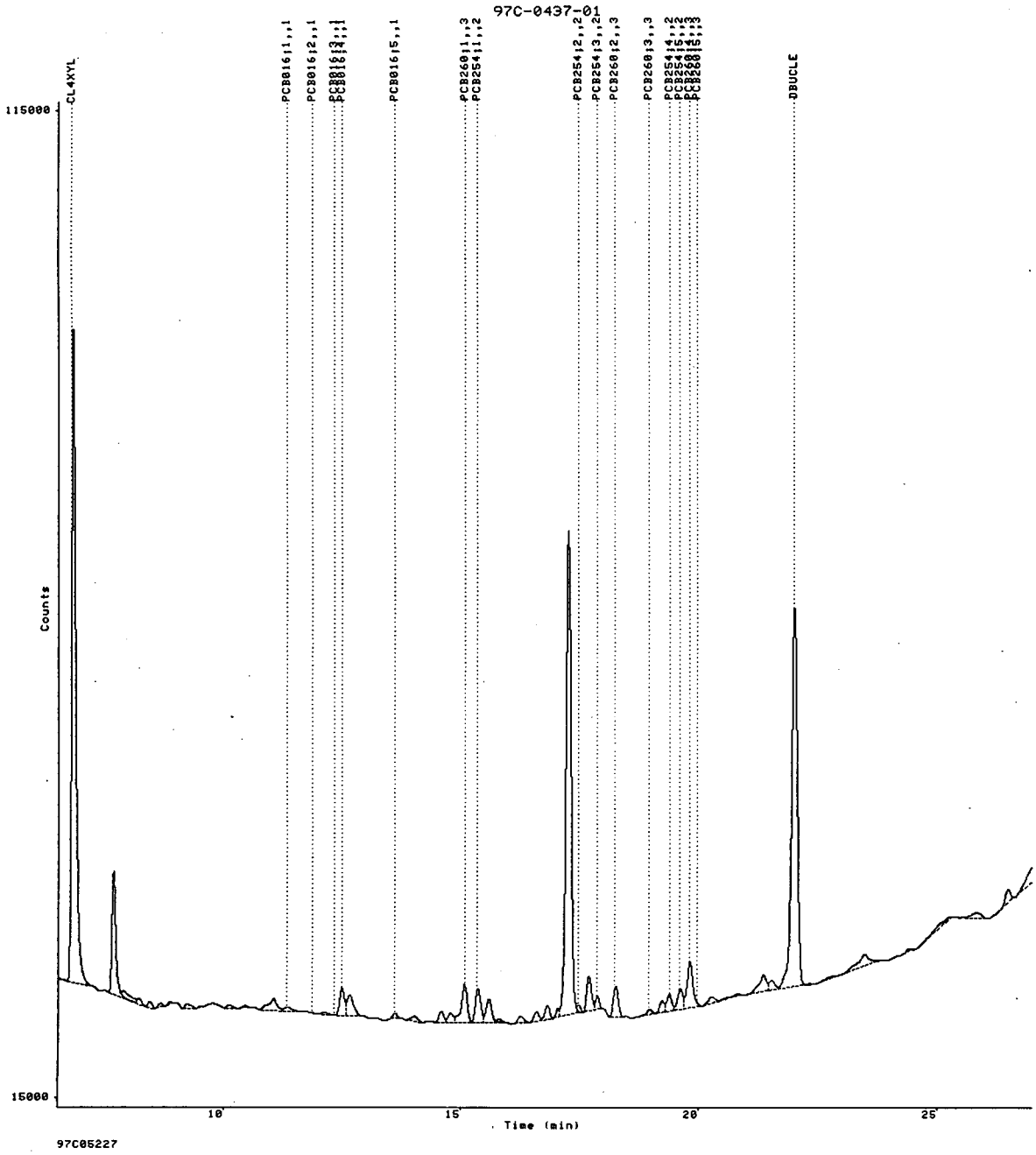
GROUP REPORT

Group	UG/ML
1	9.201
2	16.47
3	16.27

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324067.RAW;1
Report: 1197258937
Acquired: 22-NOV-1997 04:12:38
Time range: 6.50-27.00



0437

Date..... 1-DEC-1997 17:15:17.35 User: TAYLORC
Report number.....1197258938
Raw file.....DISK:[TAYLORC]5697324068.RAW;1
Method file.....DISK:[TAYLORC]5697324_8080P.MET;23
Last method update.. 1-DEC-1997 17:01:57.44

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....22-NOV-1997 04:49:18
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05228
Notes.....97C-0437-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....48
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;1	1		
11.88	PCB016;2	1		
13.60	PCB016;5	1		
17.48	PCB254;2	2		
19.96	PCB260;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0438

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.815	-2.56	10.26	45763			BB	
	7.494			148			BB	
	7.672			1274			BB	
	7.892			361			BB	

	8.124				202	BV	
	8.245				524	VB	
	9.060				124	BB	
	9.235				241	BB	
	11.065				884	BB	
PCB016;3	12.336	0.27	0.4891	-	170	BB	1
PCB016;4	12.522	-1.50	0.6840		137	BB	1
	13.187				412	BB	
	13.803				225	BB	
	14.288				1185	BV	
	14.758				435	VV	
PCB260;1	15.069	0.38	5.146		2189	VV	3
PCB254;1	15.369	-1.20	1.262	-	1580	VV	2
	15.561				1876	VB	
	15.937				561	BB	
	16.260				2819	BE	
	16.588				371	EV	
	16.787				698	EB	
	17.246				4095	BB	
	17.696				577	BV	
PCB254;3	17.875	-0.65	1.328	-	375	VB	2
PCB260;2	18.258	-1.42	3.325		5143	BB	3
	18.851				224	BV	
PCB260;3	18.983	-1.56	0.3984	-	345	VV	3
	19.229				270	VV	
PCB254;4	19.385	0.45	0.5158	-	511	VV	2
PCB254;5	19.614	-0.81	1.390		522	VV	2
PCB260;4	19.825	-1.15	0.8467		1409	VB	3
	20.275				200	BB	
	21.313				384	BV	
	21.555				469	VV	
DBUCLE	22.012	-0.01	5.279		17566	VE	
	22.204				1451	EB	
	23.215				208	BB	
	23.498				283	BB	
	24.047				433	BV	
	24.634				1305	VV	
	25.291				2200	VB	
	26.532				1194	BV	
	27.583				25205	VE	
	28.024				2986	EV	
	28.515				519	EV	
	28.995				183	EB	
	29.958				1647	BB	

GROUP REPORT

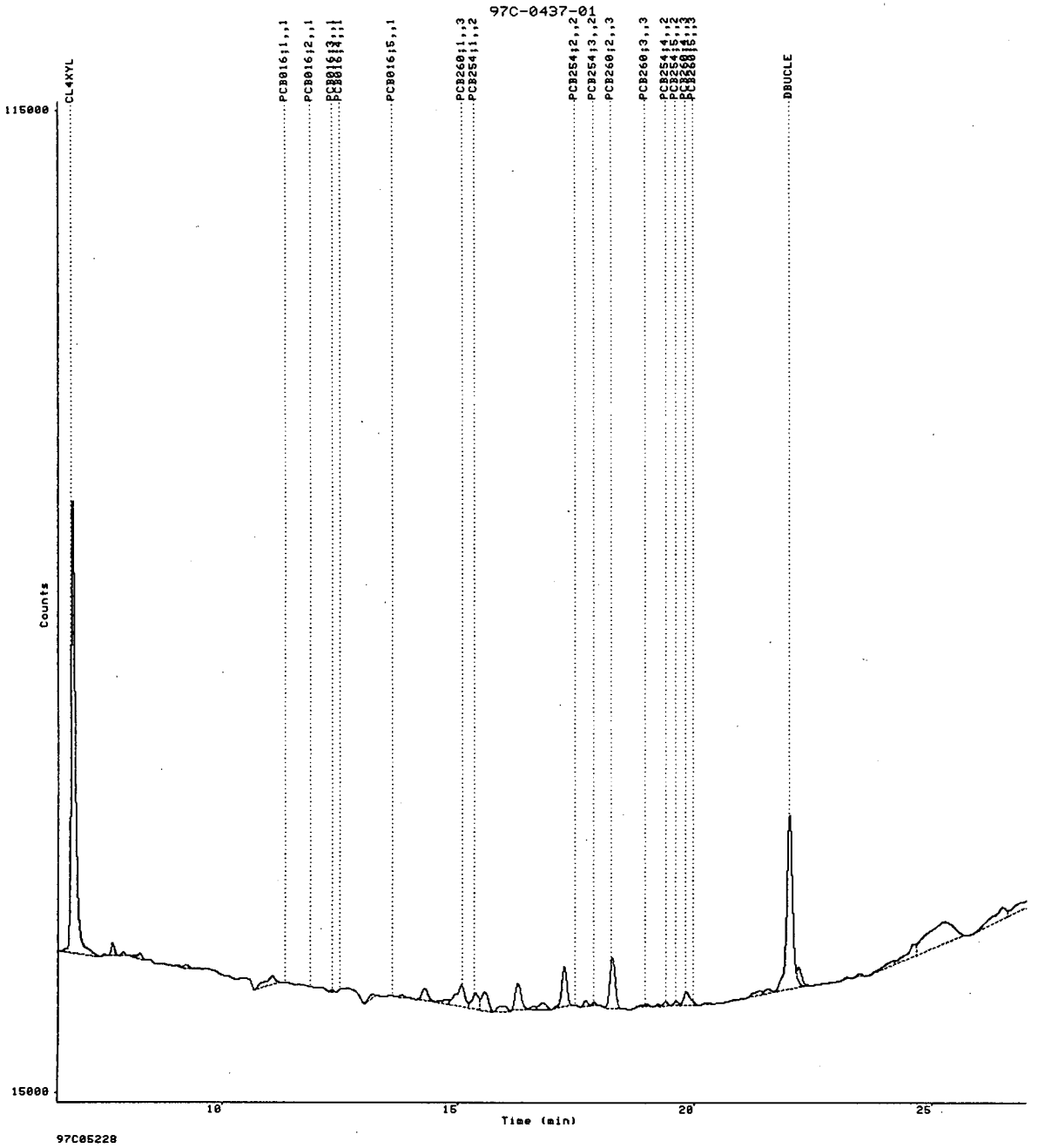
Group	UG/ML
1	1.173
2	4.496 $\times \frac{5}{4} = 5.62$
3	9.716

ANALYSIS NOTES

0439

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697324068.RAW;1
Report: 1197258938
Acquired: 22-NOV-1997 04:49:18
Time range: 6.50-27.00



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12/2/97

Section 5.
Environmental Organic Analysis
(Rev. 1: 3/95)

Confirmation Column Data
Inventory Checklist

NA The confirmation column data as specified in Section 1 of the green sheets.

Section 5.
Confirmation Column Data
Reviewer Checklist

_____ The confirmation column data inventory checklist above is complete.

_____ The confirmation column data has been verified for the following:

- Response data are consistent with tabular summary sheets for all data.
- For each analyte on the tabular summary, the retention time is consistent with the mid-range calibration standard.
- The low standards are clearly distinguished from the baseline.
- Integration is consistent with good chromatography practices unless otherwise specified on raw data.
- Spiked analyte and surrogate retention times fall within the applicable retention time windows.
- The chromatograms are scaled no greater than the low calibration standard(s), with the exception of chromatograms that have been re-scaled due to high level hits or matrix.
- Manual edits have been initialed and dated by the analyst.
- All method headers reflect correct analysis data.
- All continuing calibration retention time window criteria have been met.

97C-0437

PERCENT SOLIDS DATA

- DCL Sample Work Orders
- DCL Chain-of-Custodies
- Solids Total Analytical Report
- Solids Total Notebook Pages

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-AL
Page 1 of 2
Part 1 of 1
12049712001287

Date _____
Laboratory Group Name 97C-0437-03
Account No. 03008

Roy F. Weston
Attention: Smita Sumbaly
1090 King Georges Post Road, Suite 201
Edison, NJ 08837

FAX (908) 225-7037
Telephone (908) 225-6116

Sampling Collection and Shipment

Sampling Site _____ Date of Collection November 06, 1997

Date Samples Received at Laboratory November 07, 1997

Analysis

Method of Analysis XX-EP-800

Date(s) of Analysis November 20, 1997

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %								
XXXNS1	97C05209	SOIL	70.5								
XXXNS1	97C05209MD	SOIL	70.4								
XXXSS2	97C05210	SOIL	69.7								
XXXSS1	97C05211	SOIL	67.6								
XXXSD2	97C05212	SOIL	71.5								
YYYSED(S)	97C05213	SOIL	59.3								
YYYSS1	97C05214	SOIL	70.3								
YYYSD1	97C05215	SOIL	68.4								
YYYND1	97C05216	SOIL	63.9								
YYYNS2	97C05217	SOIL	68.5								
YYYSS2	97C05218	SOIL	69.2								
YYYNS1	97C05219	SOIL	67.5								
YYYND2	97C05220	SOIL	72.6								

† See comment on last page.
ND Parameter not detected above LOD.
NR Parameter not requested.

** See comment on last page.
( ) Parameter between LOD and LOQ.

Analyst: Jennifer L. Clary

Reviewer: Brett G. Lee

0443

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 Web Page: www.datachem.com
FAX (801) 268-9992 E-mail: lab@datachem.com

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-BL
Page 2 of 2
Part 1 of 1
12049712001287

Date _____
Laboratory Group Name 97C-0437-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %							
YYYSED(D)	97C05221	SOIL	83.6							
YYYSD2	97C05222	SOIL	67.9							
ZZZSD2	97C05223	SOIL	53.6							
ZZZND2	97C05224	SOIL	91.9							
ZZZNS3	97C05225	SOIL	81.3							
ZZZSS2	97C05226	SOIL	64.6							
ZZZSED(S)	97C05227	SOIL	81.3							
ZZZNS2	97C05228	SOIL	91.2							
ZZZNS2	97C05228MD	SOIL	91.0							
Limit of Detection										

† See comment on last page.
ND Parameter not detected.above LOD.

** See comment on last page.
( ) Parameter between LOD and LOQ.

0444

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547 / (801) 266-7700
FAX (801) 268-9992

DataChem Laboratories
LIMS - Sample Master System
Preparation Group Report

Date: 11-NOV-1997 19:35
User: MANNINGM

RLIMS15-V1.2

Preparation Run Name: G97BB03G

Group ID: G97BB03G

Samples: 22

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	97C05209	XXXNS1		S97B70K7	97C-0437-03	03008
2	97C05209MD	XXXNS1		S97BB0LN	97C-0437-03	03008
3	97C05210	XXXSS2		S97B70K8	97C-0437-03	03008
4	97C05211	XXXSS1		S97B70K9	97C-0437-03	03008
5	97C05212	XXXSD2		S97B70KB	97C-0437-03	03008
6	97C05213	YYYSED(S)		S97B70KC	97C-0437-03	03008
7	97C05214	YYYSS1		S97B70KD	97C-0437-03	03008
8	97C05215	YYYSD1		S97B70KF	97C-0437-03	03008
9	97C05216	YYYND1		S97B70KG	97C-0437-03	03008
10	97C05217	YYYNS2		S97B70KH	97C-0437-03	03008
11	97C05218	YYYSS2		S97B70KJ	97C-0437-03	03008
12	97C05219	YYYNS1		S97B70KK	97C-0437-03	03008
13	97C05220	YYYND2		S97B70KL	97C-0437-03	03008
14	97C05221	YYYSED(D)		S97B70KM	97C-0437-03	03008
15	97C05222	YYYSD2		S97B70KN	97C-0437-03	03008
16	97C05223	ZZZSD2		S97B70KP	97C-0437-03	03008
17	97C05224	ZZZND2		S97B70KQ	97C-0437-03	03008
18	97C05225	ZZZNS3		S97B70KR	97C-0437-03	03008
19	97C05226	ZZZSS2		S97B70KS	97C-0437-03	03008
20	97C05227	ZZZSED(S)		S97B70KT	97C-0437-03	03008
21	97C05228	ZZZNS2		S97B70KV	97C-0437-03	03008
22	97C05228MD	ZZZNS2		S97BB0LP	97C-0437-03	03008

----- END OF LISTING -----

Sample Work Order

QC Clearance: _____

Project Manager: Scott B. Saulls

Client: Roy F. Weston

Account: 03008 **SDG:** XXXNS1

Project/Task: P97B5002

Date Received: 7-Nov-1997

Date for Mailing Report: 26-Nov-1997

Date for Verbal Report: 21-Nov-1997

DCL Root Set ID: 97C-0437*

DCL Lab. Name: 97C05209–97C05228

Total # Samples: 20

Sample Entry: Michael D McMillan

Section: FS

Earliest Sampling Date: 6-Nov-1997

Preparation Type:

Rep. Group	FS Section Analytes Requested	Latest Prep. Date	Latest Anal. Date	No. of Samp.	Storage Location	Analysis/Prep. Method	Inst.	Matrix
03	Solids (Total)			20		XX-EP-800	GRAV	SOIL

Special Instructions: GET SAMPLES FROM EXTRACTION

Section Manager: Michael P. Beesley

0446

Other Sections Receiving Sample Portions: ZC, FC

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | *Split:* | **Root Set ID:** 97C-0437 * | **Reporting Group**

Client: Roy F. Weston | **Account:** 03008

Comments:

Verified: 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2			Analysis		01 PCBs	02 Solids (Decant-ed)	03 Solids (Total)							# Bottles
6-Nov-1997	XXXNS1	97C05209			SOIL						X	X	X							1
6-Nov-1997	XXXNS1	97C05209MS		MS	SOIL						X									1
6-Nov-1997	XXXNS1	97C05209MSD		MSD	SOIL						X									1
6-Nov-1997	XXXSS2	97C05210			SOIL						X	X	X							1
6-Nov-1997	XXXSS1	97C05211			SOIL						X	X	X							1
6-Nov-1997	XXXSD2	97C05212			SOIL						X	X	X							1
6-Nov-1997	YYYSED(S)	97C05213			SOIL						X	X	X							1
6-Nov-1997	YYYSS1	97C05214			SOIL						X	X	X							1
6-Nov-1997	YYYSD1	97C05215			SOIL						X	X	X							1
6-Nov-1997	YYYND1	97C05216			SOIL						X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/Room/Shelf/Fridge	11-10-97 1230	R231	Labeling/Shelving CPZ
R·23·1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge	Storage: Ext
	1615 11-13-97		Extraction
	11/19/97 21:00	3319 mem	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % solids

Prepared/Analyzed by: 3319 mem

Lab Notebook No.: 3319

Date/Time: 11/20/97 19:00

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Form: COFCL.01-SWV2.30

Printed 11/8/1997 14:31

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | Split: | Root Set ID: 97C-0437 * | Reporting Group

Client: Roy F. Weston | Account: 03008

Comments:

Verified: 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2					01 PCBs	02 Solids (Decant-ed)	03 Solids (Total)							# Bottles
6-Nov-1997	YYYNS2	97C05217			SOIL						X	X	X							1
6-Nov-1997	YYYSS2	97C05218			SOIL						X	X	X							1
6-Nov-1997	YYYNS1	97C05219			SOIL						X	X	X							1
6-Nov-1997	YYYSD2	97C05220			SOIL						X	X	X							1
6-Nov-1997	YYYSED(D)	97C05221			SOIL						X	X	X							1
6-Nov-1997	YYYSD2	97C05222			SOIL						X	X	X							1
6-Nov-1997	ZZZSD2	97C05223			SOIL						X	X	X							1
6-Nov-1997	ZZZND2	97C05224			SOIL						X	X	X							1
6-Nov-1997	ZZZNS3	97C05225			SOIL						X	X	X							1
6-Nov-1997	ZZZSS2	97C05226			SOIL						X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge	11-10-97 1230	R23-1	Labeling/Shelving C.P2
R.23-1	11.13.97 0015	Walk-in/ Room/ Shelf/ Fridge	Storage: EX1
	1605 11/13/97		Extraction
	11/19/97 21:00	3319 MEM	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % solids

Prepared/Analyzed by: 3319 MEM

Lab Notebook No.: 3319

Date/Time: 11/20/97 19:00

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Form: COFC1.01-SWV2.30

Printed 11/8/1997 14:31

0044

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

Project/Job/Task: P97B5002 | *Split:* | **Root Set ID:** 97C-0437 * | **Reporting Group**

Client: Roy F. Weston | **Account:** 03008

Comments:

Verified: PL 11-10-97

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2			Analysis		01 PCBs	02 Solids (Decant-ed)	03 Solids (Total)							# Bottles
6-Nov-1997	ZZZSED(S)	97C05227			SOIL						X	X	X							1
6-Nov-1997	ZZZNS2	97C05228			SOIL						X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge	11-10-97 1230	R23-1	Labeling/Shelving CPZ
R-23-1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge	Storage: EKZ
	1615		
	11-13-97		Extraction
	11/19/97 21:00	SAMPLE PREP GROUP RM 20 BK # 3319 IN. MKM	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/~~Analysis~~ for % solids | Lab Notebook No.: 3319

Prepared/~~Analyzed~~ by: SAMPLE PREP GROUP RM 20 BK # 3319 IN. MKM | Date/Time: 11/20/97 19:00

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location

Check box if there is a continuation page ☐

Form: COFC1.01-SWV2.30

Printed 11/8/1997 14:31

From Page No. X

INSERTION OF % SOLIDS DATA FOR SETS 97C-0433-03, 97C-0437-03 HERE

Appt # 300B

QC 12/4/97

METHOD: XX-EP-800, rev 1 Balance ID# 1052165

Set ID #	LIMS User Name	DCL Sample ID	EPA field id (if applicable)	Dish ID	Dish Wt.	Wet+Dish	Dry+Dish	Wet Wt.	Dry Wt.	%Solid	%Moist	Date IN	Time IN	Temp IN C	Date OUT	Time OUT	Temp OUT C
97C-0433-03	MANNINGM	97C05129	JJJSED(S)	190	1.2969	9.3842	7.6248	8.0873	6.3279	78.2	21.8	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05129MO	JJJSED(S)	189	1.3027	9.721	7.9599	8.4183	6.6572	79.1	20.9	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05130	JJJSS1	181	1.321	8.4074	5.3014	7.0864	3.9804	56.2	43.8	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05131	JJJND2	61	1.3021	9.1024	6.0928	7.8003	4.7907	61.4	38.6	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05132	JJJND2	56	1.306	9.2421	6.5670	7.9341	5.279	66.5	33.5	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05133	HHD2	168	1.3054	9.1293	7.5702	7.8239	6.2648	80.1	19.9	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05134	HHD1	167	1.2956	9.5161	6.0666	8.2206	4.7911	58.3	41.7	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05135	HHS1	112	1.3032	9.6646	5.3312	8.5614	4.026	47.0	53.0	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05136	HHS2	152	1.2978	9.3459	6.5726	8.0481	5.2748	65.5	34.5	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05137	HHSED(S)	31	1.298	10.8052	9.1835	9.5072	7.8655	82.9	17.1	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05138	HHD2	53	1.2951	9.2557	5.9910	7.9606	4.0549	59.0	41.0	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05139	HHSED(S)	140	1.3006	10.6965	8.3966	9.3966	7.0946	75.5	24.5	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05140	HHD1	152	1.2913	9.4431	6.2454	8.1518	4.9681	60.8	39.2	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05141	HHS1	54	1.3106	9.2967	7.0621	7.9659	5.7493	72.0	28.0	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05142	HHS2	175	1.3144	10.7779	7.1423	9.4635	5.8279	61.6	38.4	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05143	HHS3	83	1.2973	9.1996	5.0675	7.9223	3.7602	47.6	52.4	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05144	HHHND2	56	1.2951	9.6009	7.9543	8.3049	6.6563	80.2	19.8	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05145	HHHND2	56	1.2951	10.5103	6.6510	9.2242	5.3649	58.2	41.8	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05146	HHHND1	57	1.2953	8.8268	7.3602	7.5305	6.0639	80.8	19.2	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05147	HHHSED(S)	58	1.2921	9.4522	5.3044	8.1941	4.0123	49.0	51.0	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05148	HHHSS2	141	1.2932	9.4226	5.0303	8.1294	3.7371	46.0	54.0	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0433-03	MANNINGM	97C05148MO	HHHSS2	142	1.3032	9.2179	5.0121	7.9147	3.7069	46.9	53.1	1997-11-20	1140	104.1	1997-11-21	1030	102
97C-0437-03	MANNINGM	97C05209	XXXNS1	63	1.2964	10.2217	7.6623	9.0263	6.3669	70.5	29.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05209MO	XXXNS1	46	1.2975	10.0166	7.4362	8.7191	6.1387	70.4	29.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05210	XXXSS2	47	1.2948	10.0116	7.3708	8.7168	6.076	69.7	30.3	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05211	XXXSS1	15	1.3041	9.6067	7.0516	8.5025	5.7475	67.5	32.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05212	XXXSS2	20	1.3066	9.2432	6.9604	7.9346	5.6718	71.5	28.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05213	XXXSED(S)	21	1.3068	9.7258	6.3014	8.4191	4.9946	59.3	40.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05214	YYYSS1	176	1.3023	9.6611	7.3187	8.5688	6.0164	70.3	29.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05215	YYYSD1	173	1.3111	10.3385	7.4674	9.0274	6.1763	68.4	31.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05216	YYYND1	174	1.2966	10.1437	6.9907	8.8449	5.6519	63.9	36.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05217	YYYND2	175	1.2945	9.4288	6.8660	8.1339	5.5731	68.5	31.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05218	YYYSS2	176	1.2977	9.3567	6.8739	8.060	5.5762	69.2	30.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05219	YYYNS1	177	1.2975	9.3928	6.7552	8.1053	5.4677	67.5	32.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05220	YYYND2	8	1.2965	8.6318	6.6245	7.3353	5.328	72.6	27.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05221	YYYSED(S)	22	1.3071	10.651	9.1186	9.3439	7.8115	83.6	16.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05222	YYYSD2	24	1.3019	9.2161	6.6754	7.9142	5.3735	67.9	32.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05223	ZZZSD2	213	1.3001	9.4017	5.6420	8.1016	4.3401	53.6	46.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05224	ZZZND2	214	1.2968	9.5223	8.6521	8.2256	7.5613	91.9	8.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05225	ZZZNS3	204	1.3154	9.788	8.2045	8.4726	6.8891	81.3	18.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05226	ZZZSS2	64	1.3078	9.3532	6.5036	8.0424	5.196	64.6	35.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05227	ZZZSED(S)	159	1.3045	10.2145	8.5467	8.91	7.2422	81.3	18.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05228	ZZZND2	156	1.2998	10.1569	9.3606	8.8571	8.061	91.2	8.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0437-03	MANNINGM	97C05228MO	ZZZND2	52	1.2938	10.891	10.0263	9.5974	8.7327	91.0	9.0	1997-11-20	1535	100.7	1997-11-21	1400	102

12/4/97

To Page No. X

Witnessed & Understood by me,	Date	Invented by	Date
	12/5/97	NOT APPLICABLE	12/4/97
		Recorded by	

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE TRACKING NUMBER 4811729414

4811729414

RECIPIENT'S COPY

1 Date 1/16

From (Your Name) Please Print: M. HAHNKOPF
Your Phone Number (Very Important): (908-[illegible]-5136
Company: [illegible] F. WESTON INC.
Department/Floor No.
Street Address: 1090 KING GEORGES POST RD #201
City: [illegible] State: [illegible] ZIP Required: [illegible]

2 To (Recipient's Name) Please Print: Scott Savills
Recipient's Phone Number (Very Important): (801) 266-77[illegible]
Company: Datachem LAB
Department/Floor No.
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 960 WEST LEVOY Dr.
City: Salt Lake City State: UT ZIP Required: 84123

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 001054 11098 121 002 2137 00

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address
City State ZIP Required

3 PAYMENT 1 [ ] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [X] 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] YOUR PACKAGING
16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon; No Saturday delivery†)
51 [ ] YOUR 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 for authorized users only)
46 [ ] GOVT LETTER
41 [ ] GOVT PACKAGE

Freight Service (for packages over 150 lbs.)
70 [ ] 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 [X] DELIVER WEEKDAY
3 DELIVER SATURDAY (Extra charge) (Not available to all locations) [ ]
4 [ ] DANGEROUS GOODS (Extra charge)
5 [ ]
6 [ ] DRY ICE ___ Lbs.
7 [ ] OTHER SPECIAL SERVICE
8 [ ]
9 [ ] SATURDAY PICK-UP (Extra charge)
10 [ ]
[ ]
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES | WEIGHT In Pounds Only | YOUR DECLARED VALUE
Total | Total | Total 17.25

DIM SHIPMENT (Chargeable Weight)
[ ] ___ lbs.
L x W x H

Rate as A:
1 [ ] Regular Stop 3 [ ] Drop Box
2 [ ] On-Call Stop 4 [ ] B/S C
5 [X] Station

7 Release Signature:

Emp. No. Date
[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold
Street Address
City State Zip
Received By: x Michael McMullan
Date/Time Received 11-7-97 FedEx Employee Number 0930

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

REVISION DATE 2/92
PART #137204 NCREC
FORMAT #126
126
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0451

SAMPLE LOG-IN SHEET

Group Name: 97C-0437

Lab Name: DataChem Laboratories, Inc.	Page 1 of 1
Received By (Print Name): MICHAEL MCMILLAN	Log-In Date: 11-8-97
Received By (Signature): Michael McMillan	
Case Number: NA	Sample Delivery Group No.: XXXNS1
	SAS Number: Not Applicable

Remarks:

1. Custody Seal (s) — Present/Absent* — Intact/Broken*
2. Custody Seal Nos. NA
3. Chain-of Custody Records — Present/Absent*
4. Traffic Report or Packing Lists — Present/Absent*
5. Airbill — Airbill/Sticker — Present/Absent*
6. Airbill No. 4811 729 414
7. Sample Tags — Present/Absent* — Sample Tag Numbers — Listed/Not Listed on Chain-of-Custody
8. Sample Condition — Intact/Broken*/Leaking* — Cooler Temperature 4°C C97-1531
9. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
10. Date Received at Lab 11-7-97
11. Time Received 0930

EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Matrix	Fraction	Remarks: Condition of Sample Shipment, etc.
XXXNS1	NA	97C05209	S	PCB	MS/MSD ACCEPTABLE
SS2		10			
SS1		11			
SD2		12			
YYYSED(S)		13			
SS1		14			
SD1		15			
ND1		16			
NS2		17			
SS2		18			
NS1		19			
ND2		20			
SED(D)		21			
SD2		22			
ZZZSD2		23			
ND2		24			
NS3		25			
SS2		26			
SED(S)		27			
NS2		28			

Sample Transfer	
Fraction PCB	Fraction
Area # R23-1	Area #
By	By
On 11-7-97	On

Michael McMillan 11-8-97

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. Not Applicable
Date	Logbook Page No. Not Applicable

FRACTIONS:
C - Cyanide
D - Dissolved Metals
T - Total Metals
F - Full TCL Organics
P- Pesticides
S - Semivolatiles
V - Volatiles

FORM DC-1

08/01/97

DATACHEM LABORATORIES CLIENT-RELATED INFORMATION REPORT (CRIR)

COOLER OR CONTAINER INFORMATION CHECKLIST (Fill In or Circle)

Client Name: WESTON

Project/Task/Site:

Date/Time of Receipt: 11-07-97 0930

Number of Coolers Received: 7

Condition of Coolers: Acceptable/Unacceptable

Temperature Control: Present/Not Included

Custody Seals: Present/Absent/NA

Intact/Broken/NA

Location Temperature Taken: Control/Between Samples

Are all temperatures within project specific guidelines? Yes/No/NA

Tamper Evident: Yes/No/NA

Ice Present: Yes/No/NA

Frozen/Melted/NA

Are all applicable pHs within specific guidelines? Yes/No/NA

pH Check:

Metals	Yes/No/NA	Total Phenolics	Yes/No/NA	NO3/NO2	Yes/No/NA
Cyandie	Yes/No/NA	TPH - 418.1	Yes/No/NA	Oil & Grease	Yes/No/NA
Sulfide	Yes/No/NA	COD	Yes/No/NA	Total Phosphorous	Yes/No/NA
Ammonia	Yes/No/NA	TKN	Yes/No/NA	Gross A/B, Gamma Spec	Yes/No/NA

Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.	Cooler Received	DCL Cooler No.	Temp.
1	C97 1526	2 °C	4	C97 1529	3 °C	7	C97 1532	5 °C
2	C97 1527	4 °C	5	C97 1530	4 °C	8	C97	°C
3	C97 1528	6 °C	6	C97 1531	4 °C	9	C97	°C

Taken By: [signature] (Signature) P Coburn (Printed Name) 11-07-97 (Date)

CLIENT-RELATED INFORMATION

- ☐ Missing Cooler
- ☐ Cooler Conditions
- ☐ Missing Paperwork
- ☐ Missing/Incorrect Bottle Labels
- ☐ Missing Samples/Bottles
- ☐ Broken/Leaking Samples
- ☐ Incorrect Bottle Type
- ☐ Cooler Temperatures Out Of Range
- ☐ Incorrect Preservation
- ☐ pH Criteria Not Met
- ☐ Head Space in Bottles
- ☐ Insufficient Sample Volume
- ☐ Chain Of Custody Problems
- ☐ Other:

EPA Custody Seal:

BRIEFLY DESCRIBE THE PROBLEM AND THE ACTION TAKEN:

Faxed to Client? Yes ☐ No ☐ (If yes, attach Fax Cover Sheet)

❖ **Response Required Within 24 Hours** ❖

PROJECT MANAGEMENT

PROJECT MANAGER COMMENTS:

DCL Project Manager: _____ (Printed Name) Returned to Sample Receipt by: _____ (Signature) Date: _____

0453

(Revised 6/4/97)

97C-0437

20 soils collected 11/6/97 ext. 11/13/97 analysis date 11/20-22/97

H.T. all ok

ICAL r all ok (11/13-14/97) ; AR1254 @ 0.02 ppm baseline dropped ; peak integration affected

~~AR1260~~ @ 0.01 ppm poor chromatogram ; impurity observed

~~ICV1254 - 1 peak NG~~ ICV 1260 - 1 peak NG ~~ICV1016 - 1 peak NG~~

CCV1 - 1016 NG (all 5 pks) ; 1260 (3 pks)

CCV2 - 1016 NG (4 pks) ; 1260 (2 pks)

CCV3 - 1016 NG (4 pks) ; 1260 (3 pks)

CCV4 - 1260 NG (all 5 pks)

CCV5 - 1016 (1 pk) ; 1260 (4 pks)

CCV6 - 1016 (1 pk) ; 1260 (5 pks)

All CCVs had poor baselines

MS/MSD (#100) no 1016/1260 patterns

PP. 214-229 are not included in the data package

DATA CHEM LABORATORIES
A Sorenson Company

FORM K
RUN LOG

Form RLIMS63-V1.0
12029712360074
Page 1

R97C1000

Run ID.....: R97C1000
Start Date.....: 13-NOV-1997 22:22

Method.....: 8080A

Init Calib ID....: C97C1000
Init Calib Date..: 14-NOV-1997 01:25

Date Printed.....: 2-DEC-1997 12:36

Instrument Name..: GC/ECD-6
Column Name.....: DB-608
Detector Name....: ECD

	Sample Name	Dilution	Date Acquired
	PRIME	1	13-NOV-1997 22:22
	PCB221_2.0	1	13-NOV-1997 22:58
	PCB232_2.0	1	13-NOV-1997 23:35
	PCB242_2.0	1	14-NOV-1997 00:12
	PCB248_2.0	1	14-NOV-1997 00:49
	$1254_0.02	1	14-NOV-1997 01:25
	$1254_0.10	1	14-NOV-1997 02:02
	$1254_0.20	1	14-NOV-1997 02:38
	$1254_1.0	1	14-NOV-1997 03:15
	$1254_2.0	1	14-NOV-1997 03:52
	ICV1254_1.0	1	14-NOV-1997 04:29
	$1660_0.01	1	14-NOV-1997 05:05
	$1660_0.10	1	14-NOV-1997 05:42
	$1660_0.20	1	14-NOV-1997 06:19
	$1660_1.0	1	14-NOV-1997 06:56
	$1660_2.0	1	14-NOV-1997 07:32
	ICV_1660_1.0	1	14-NOV-1997 08:09
both NG	CCV_1660_1.0	1	20-NOV-1997 22:12
	BL-142138-1	1	20-NOV-1997 22:49
	QC-142138-1	1	20-NOV-1997 23:26
	97C05209 1254	100	21-NOV-1997 00:03
	97C05209MS	100	21-NOV-1997 00:39
	97C05209MSD	100	21-NOV-1997 01:16
	97C05210 1254	pk intg 100	21-NOV-1997 01:53
	97C05211	100	21-NOV-1997 02:29
	97C05212	100	21-NOV-1997 03:06
	97C05213	100	21-NOV-1997 03:43
	97C05214	pk intg 100	21-NOV-1997 04:20
Both NG	CCV_1660_1.0	1	21-NOV-1997 04:56
	97C05215 1254	100	21-NOV-1997 05:33
	97C05216	100	21-NOV-1997 06:10
	97C05217	100	21-NOV-1997 06:46
	97C05218	100	21-NOV-1997 07:23
	97C05219	pk intg 100	21-NOV-1997 08:00
	97C05220	100	21-NOV-1997 08:36
	97C05221 NG	100	21-NOV-1997 09:13
	97C05222 1254	100	21-NOV-1997 09:50
	97C05223	100	21-NOV-1997 10:27
	97C05224 NG	100	21-NOV-1997 11:04
both NG	CCV_1660_1.0	1	21-NOV-1997 11:40
	97C05225 1254	100	21-NOV-1997 12:17
	97C05226	100	21-NOV-1997 12:54
	97C05227 NG	100	21-NOV-1997 13:31
	97C05228	100	21-NOV-1997 14:07

	Sample Name	Dilution	Date Acquired
	97C05209 all but 54, 60	1	21-NOV-1997 14:44
	97C05209MS	1	21-NOV-1997 15:21
	97C05209MSD	1	21-NOV-1997 15:57
	97C05210 all but 48-60	1	21-NOV-1997 16:34
	97C05211 all but 54, 60	1	21-NOV-1997 17:11
	97C05212 all but 48-60	1	21-NOV-1997 17:47
1260 NG	CCV_1660_1.0	1	21-NOV-1997 18:24
	97C05213 all but 54, 60	1	21-NOV-1997 19:01
	97C05214	1	21-NOV-1997 19:37
	97C05215	1	21-NOV-1997 20:14
	97C05216	1	21-NOV-1997 20:51
	97C05217	1	21-NOV-1997 21:28
	97C05218 all but 48-60	1	21-NOV-1997 22:05
	97C05219 all but 54, 60	1	21-NOV-1997 22:41
	97C05220 all but 54	1	21-NOV-1997 23:18
	97C05221 1254	1	21-NOV-1997 23:55
	97C05222 all but 48-60	1	22-NOV-1997 00:32
both NG	CCV_1660_1.0	1	22-NOV-1997 01:08
	97C05223 all but 48-60	1	22-NOV-1997 01:45
	97C05224 ~~all but~~ 1254	1	22-NOV-1997 02:22
	97C05225 all but 54	1	22-NOV-1997 02:59
	97C05226 all but 54, 60	1	22-NOV-1997 03:35
	97C05227 1254	1	22-NOV-1997 04:12
	97C05228 ND	1	22-NOV-1997 04:49
both NG	CCV_1660_1.0	1	22-NOV-1997 05:25

0065

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
Phone (801) 266-7700 FAX (801) 268-9992

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

2
PESTICIDES
SURROGATE RECOVERY

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: XXXNS1 DCL Set ID: 97C-0437-01

Matrix: SOIL Analysis Method: 8080A

Column(1): DB-608 ID: .53mm

	CLIENT SAMPLE NO.	DBC COLUMN 1 % REC	TCX COLUMN 1 % REC	TOTAL OUT
01	XXXNS1	0*	90.6	1
02	XXXSS2		111.	0
03	XXXSS1		91.4	0
04	XXXSD2		93.8	0
05	YYYSED(S)	60.9	91.6	0
06	YYYSS1		92.5	0
07	YYYSD1		84.7	0
08	YYYND1		95.2	0
09	YYYNS2		90.6	0
10	YYYSS2		90.8	0
11	YYYNS1		93.5	0
12	YYYND2	85.8	102.	0
13	YYYSED(D)	73.3	90.4	0
14	YYYSD2		97.0	0
15	ZZZSD2		84.7	0
16	ZZZND2	54.8	84.3	0
17	ZZZNS3	81.8	95.4	0
18	ZZZSS2		90.1	0
19	ZZZSED(S)	71.2	89.8	0
20	ZZZNS2	31.7*	61.6	1
21	XXXNS1 MS		88.4	0
22	XXXNS1 MSD		93.2	0
23	BL-142138-1	95.6	81.9	0
24	QC-142138-1	107.	86.0	0

- No DBC recovery due to matrix interferences; data were not qualified

QC LIMITS

DBC = Dibutylchlorendate
TCX = Tetrachloro-meta-Xylene (38.4-156.)

* Values outside of contract required QC limits.

FORM II CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

3-1
PESTICIDES
MS and MSD RECOVERY

Report Number: 97-00011

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: XXXNS1 DCL Set ID: 97C-0437-01

Matrix: SOIL Analysis Method: 8080A

Matrix Spike - Client Sample No. XXXNS1 DCL Sample No.: 97C05209MS

MS Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC QC LIMITS
Aroclor 1016	121	167.	0 ~~1800~~	415 ~~1310~~	248 ~~79.8~~ *	44.0-140.
Aroclor 1260	13100	167.	0 ~~11000~~	7790	4665 ~~233.~~ *	48.1-146.

MSD Concentration Units: ug/Kg

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Aroclor 1016	167.	435 ~~1400~~	260 ~~134.~~ *	4.7 ~~6.72~~	15.8	44.0-140.
Aroclor 1260	167.	7980	~~121.~~ * 4778	2.37	45.9	48.1-146.

* Values outside of contract required QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery: 2 out of 4 outside limits.

FORM III CHROM-1

CONC. VERIFICATION BY QUADRATIC MODEL

97C-0437

	TCMX				DBC			
	Y	CONC.	%R	DF	Y	CONC.	%R	
BLANK	60229	0.04094	82	1	50684	0.048	96	
QC-142138-1	63182	0.04303	86	1	56653	0.054	107	
97C05209	66383	0.04529	91	1	0	-0.001	-1	*
97C05209MS	64812	0.04418	88	1	0	-0.001	-1	*
97C05209MSD	68232	0.04660	93	1	0	-0.001	-1	*
97C05210	80791	0.05556	111	1	0	-0.001	-1	*
97C05211	66964	0.04570	91	1	0	-0.001	-1	*
97C05212	68695	0.04693	94	1	0	-0.001	-1	*
97C05213	67080	0.04579	92	1	32862	0.030	61	
97C05214	67690	0.04622	92	1	0	-0.001	-1	*
97C05215	62178	0.04232	85	1	0	-0.001	-1	*
97C05216	69596	0.04757	95	1	0	-0.001	-1	*
97C05217	66397	0.04530	91	1	0	-0.001	-1	*
97C05218	66548	0.04541	91	1	0	-0.001	-1	*
97C05219	68420	0.04674	93	1	0	-0.001	-1	*
97C05220	74160	0.05082	102	1	45691	0.043	86	
97C05221	66220	0.04518	90	1	39254	0.037	73	
97C05222	70881	0.04849	97	1	0	-0.001	-1	*
97C05223	62192	0.04233	85	1	0	-0.001	-1	*
97C05224	61958	0.04216	84	1	29701	0.027	55	
97C05225	69784	0.04771	95	1	43648	0.041	82	
97C05226	66022	0.04504	90	1	0	-0.001	-1	*
97C05227	65834	0.04490	90	1	38179	0.036	71	
97C05228	45763	0.03078	62	1	17566	0.016	32	*

CONC. VERIFICATION BY QUADRATIC MODEL FOR AR1254

F.V.= 10 mL
97C-0437

CONC.=(-B+SQRT(B^2-4AC))/(2A) in ug/mL in extract

	AR1254-1		AR1254-2		AR1254-3		AR1254-4		AR1254-5		TOTAL			FINAL	
	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	CONC. in extract	DF	%S	CONC ug/Kg	
ICV1254	51104	0.163	17033	0.198	32338	0.218	30765	0.197	27702	0.226	1.003	1	100	334	
BLANK	0	-0.001	0	0.000	0	0.002	0	-0.001	0	0.000	0.000	1	100	0	
QC-142138-1	0	-0.001	0	0.000	0	0.002	0	-0.001	0	0.000	0.000	1	100	0	
97C05209	12772	0.036	3798	0.040	8289	0.051	7008	0.039	6380	0.047	0.214	100	70.5	10116	
97C05209MS	12736	0.036	1985	0.021	4430	0.028	6554	0.036	5938	0.044	0.165	100	70.5	7793	
97C05209MSD	12473	0.036	3891	0.041	8469	0.052	7210	0.040	6465	0.048	0.217	100	70.5	10261	
97C05210	12807	0.036	2153	0.023	4846	0.030	6977	0.039	6582 ~~16192~~	~~0.124~~	~~0.252~~	100	69.7	~~12069~~	8450 J "–" pk intg
97C05211	9764	0.027	1531	0.016	3385	0.022	5168	0.028	4644	0.034	0.127	100	67.6	6274	
97C05212	22135	0.065	9125	0.101	14285	0.089	11216	0.064	14142	0.108	0.426	100	71.5	19876	
97C05213	5216	0.014	1177	0.012	1492	0.010	2271	0.011	2331	0.017	0.065	100	59.3	3682	
97C05214	14046	0.040	2200	0.023	4877	0.031	7375	0.041	6742	0.050	0.185	100	70.3	8753	"J" pk intg.
97C05215	13804	0.039	3895	0.041	8614	0.053	7091	0.039	6469	0.048	0.221	100	68.4	10783	
97C05216	29248	0.088	8676	0.095	22398	0.144	20219	0.122	18529 ~~46647~~	~~0.439~~	~~0.887~~	100	63.9	~~46280~~	30892
97C05217	12075	0.034	3209	0.034	7655	0.047	6617	0.036	5862	0.043	0.195	100	68.5	9508	
97C05218	18548	0.054	4982	0.053	11176	0.069	9342	0.053	9410	0.070	0.299	100	69.2	14425	
97C05219	12040	0.034	1837	0.019	4141	0.026	6261	0.034	5564	0.041	0.155	100	67.5	7651	"J" pk intg.
97C05220	3488	0.009	0	0.000	2295	0.015	2221	0.011	1836	0.014	0.049 × 5/4	100	72.6	~~2247~~	2812 J
97C05222	27649	0.082	7101	0.077	16391	0.103	13924	0.081	13100	0.099	0.443	100	67.9	21731	
97C05223	26014	0.077	6696	0.073	14227	0.089	11952	0.069	11476	0.086	0.394	100	53.6	24472	
97C05225	3563	0.009	861	0.009	2253	0.015	1870	0.009	1764	0.013	0.055	100	81.3	2275	
97C05226	10743	0.030	3061	0.032	6724	0.042	5681	0.031	5221	0.038	0.174	100	64.6	8972	
97C05221	2094	0.005	0	0.000	694	0.006	984	0.004	956	0.007	0.022 × 5/4	1	83.6	~~9~~	11 "J"
97C05224	4192	0.011	1501	0.016	3696	0.023	2863	0.015	3739	0.028	0.093	1	91.9	34	
97C05227	3394	0.009	719	0.007	1344	0.010	1708	0.008	2062	0.015	0.049	1	81.3	20	
97C05228	1580	0.004	0	0.000	375	0.004	511	0.002	522	0.004	~~0.013~~ × 5/4 0.014	1	91.2	~~5~~ ~~5.4~~ 6.4	J

incorrect 1254 results: 97C05211 (XXXSS1), YYYND2, ~~2500~~ ZZZNS3

F.V.= 10 mL
97C-0437

CONC.=(-B+SQRT(B^2-4AC))/(2A) in ug/mL in extract

	AR1016-1		AR1016-2		AR1016-3		AR1016-4		AR1016-5		TOTAL			FINAL	
	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	CONC. in extract	DF	%S	CONC ug/Kg	
icv1660	85657	0.236	34806	0.243	28394	0.224	21217	0.200	28783	0.207	1.109	1	100	370	
ccv1	90703	0.252	38968	0.273	34843	0.277	29111	0.287	23771	0.167	1.257	1	100	419	
ccv2	88676	0.246	32311	0.225	30806	0.244	27554	0.269	42613	0.326	1.309	1	100	436	
ccv3	73713	0.199	33544	0.234	31283	0.247	28508	0.280	35254	0.261	1.220	1	100	407	
ccv4	74349	0.201	31480	0.219	28142	0.222	23314	0.222	27661	0.198	1.061	1	100	354	
ccv5	77640	0.211	28499	0.197	25934	0.204	21761	0.206	18960	0.131	0.948	1	100	316	
CCV6	79094	0.215	29198	0.202	26947	0.212	23022	0.219	35194	0.260	1.109	1	100	370	
QC-142138-1	32160	0.081	12748	0.086	10914	0.084	10210	0.092	8706	0.058	0.401	1	100	134	
97C05209	0	0.000	0	0.000	0	0.000	0	0.001	0	-0.001	0.001	1	73.2	0	wet wt.
97C05209MS	64649	0.172	10849	0.073	21393	0.167	200781	#NUM!	65732	0.585	.998 ~~#NUM!~~ × 5/4	1	~~73.2~~ ~~#NUM!~~	415	
97C05209MSD	67936	0.182	11162	0.075	22393	0.175	248530	#NUM!	67606	0.612	~~#NUM!~~ 1.044 × 5/4	1	~~73.2~~ ~~#NUM!~~	435	

F.V.= 10 mL
97C-0437

		AR1260-1		AR1260-2		AR1260-3		AR1260-4		AR1260-5		TOTAL CONC.			FINAL CONC.
		Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	in extract	DF	%S	ug/Kg
icv1660		72009	0.205	88722	0.253	17861	0.156	94655	0.213	39905	0.202	1.029	1	100	343
ccv1		81471	0.238	74450	0.205	28742	0.263	89110	0.199	45165	0.232	1.137	1	100	379
ccv2		81124	0.237	74700	0.206	35887	0.338	82956	0.183	43060	0.220	1.184	1	100	395
ccv3		67960	0.192	62085	0.166	30356	0.279	74309	0.161	38107	0.192	0.991	1	100	330
ccv4		49781	0.135	43004	0.110	18632	0.163	56848	0.120	26284	0.128	0.656	1	100	219
ccv5		56443	0.155	49592	0.129	21995	0.195	63501	0.136	29236	0.143	0.759	1	100	253
CCV6		59371	0.164	52135	0.136	28610	0.261	62764	0.134	30665	0.151	0.847	1	100	282
QC-142138-1		31655	0.083	25208	0.061	11508	0.097	30686	0.062	14918	0.070	0.374	1	100	125
97C05209		0	-0.001	0	-0.003	0	-0.003	0	0.000	0	0.000	-0.008	100	73.2	-349
97C05209MS	>		######	8633	0.019	20855	0.184	23977	0.048	138266	#NUM!	#VALUE!	100	73.2	######
97C05209MSD	>		######	15110	0.035	20224	0.178	23046	0.046	157091	#NUM!	#VALUE!	100	73.2	######