DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

210980

May 8, 1998

Yunru Yang
Roy F. Weston
Raritan Plaza III, Suite 28
101 Fieldcrest Avenue
Edison, New Jersey 08837-3622

Dear Ms. Yang:

RE: RFP #2226 PCB ANALYSIS

DCL SET #97C-0438

1. The forms (forms N) summarizing the percent difference of ICV1660 (p83) and CCVs 1660 (pp 85-90) only listed results of four Aroclor 1016 peaks. One Aroclor 1016 peak was not included. Please revise the forms and resubmit them.

✓ Response: The form Ns have been revised and are provided with this letter.

2. One page 478, it appears that the manual peak integration was performed for Aroclor 1254 detected in sample BBBBSED(D), your sample 97C05238. However, the Form 1 (p.16) does not reflect this change; the Aroclor 1254 result could not be reproduced by using the information given on page 478. Please revise and resubmit the Form 1.

✓ Response: The result for this sample has been corrected and a revised Form 1 is provided with this letter.

Richard W. Wade

Richard W. Wade

CORPORATE OFFICE

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ISO 9002 CERTIFIED

Mr. Richard Wade
Datachem Laboratories
960 West LeVoy Drive
Salt Lake City, Utah 84123

31 March 1998

RE: RFP #2226 PCB ANALYSIS, DCL SETS #97C-0438

Dear Mr. Wade:

This letter is to request clarification on issues related to the above-referenced project.

1. The forms (Forms N) summarizing the percent difference of ICV1660 (p. 83) and CCVs 1660 (pp. 85-90) only listed results of four Aroclor 1016 peaks. One Aroclor 1016 peak was not included. Please revise the forms and resubmit them.

2. On page 478, it appears that the manual peak integration was performed for Aroclor 1254 detected in sample BBBBSED(D), your sample 97C05238. However, the Form 1 (p. 16) does not reflect this change; the Aroclor 1254 result could not be reproduced by using the information given on page 478. Please revise and resubmit the Form 1.

Please forward all explanations and resubmittals to my attention by 7 April 1998. Should you have any questions, please feel free to contact me at (732)417-5822.

Sincerely yours,

Yunru Yang
Sr. Project Scientist

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97C-0438

30

12/13
10

20 soils collected 11/6/97 extracted 11/13/97 analyzed 12/20-21/97

~~HPP~~

~~pp. 100-101 analyst indicated in the note that all samples were originally analyzed 11/21-23/97 on ECD-8; why run logs on p. 65 and page 102 showed samples were analyzed on 1~~

H.T. all OK ICV 1660 + 1254 all NG

① Unacceptable chromatograms: AR1254 @ 0.02 : no PCB pattern; poor baseline

② method blank contains AR1254

③ 97C05232, 1:100 baseline dropped; AR1254 integration affected; "J"

97C05234, 1:100 AR1254 with elevated baseline caused by matrix interference. "J" 1254

97C05241, 1:100 peak integration inconsistent with integration in std. ⇒ "J" AR1254

97C05~~4~~24, 1:100 - AR1254 integration inconsistent with std. integration ⇒ "J"
- Also contain unknown chlorinated interferences, possible another ~~PC~~ Aroclor

④ 97C05234 1:1 no good; use 1:100 to report all PCB.

lab reported 1254 result from 1:100 which was too diluted ⇒ no 1254 pattern.

36 ✓ 1:1 matrix interference caused elevated baseline; AR1254 present with interference present in one of the peaks used for quantitation. "J" 1254 excluded from calculat

38 1:1 AR1254 peaks were re-integrated manually due to elevated baseline.

47 1:1 NG; use 1:100 to report all PCBs

ICV 1660 = CCV-1660 Only 4 peaks were summarized on Forms NI (p. 83) (pp 85-90)

97C05238 manual peak integration was performed for Aroclor 1254; however, the form I result ~~was~~ did not reflect such revision. p.478 + p.16

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FORM K
RUN LOG

Form RLIMS63-V1.0
01029813302141
Page 1

R9801000

Run ID.....: R9801000
Start Date.....: 19-DEC-1997 18:28

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Date Printed.....: 2-JAN-1998 13:30

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Sample Name	Dilution	Date Acquired
PCB221_2.0	1	19-DEC-1997 18:28
PCB232_2.0	1	19-DEC-1997 19:11
PCB242_2.0	1	19-DEC-1997 19:53
PCB248_2.0	1	19-DEC-1997 20:36
PCB262-2.0 No Aurr.	1	19-DEC-1997 21:18
$1660_2.0 Baseline NG	1	19-DEC-1997 22:01
$1660_1.0	1	19-DEC-1997 22:43
$1660_0.20	1	19-DEC-1997 23:26
$1660_0.10	1	20-DEC-1997 00:09
$1660_0.02 Pattern NG	1	20-DEC-1997 00:51
1016/1260 NG ICV_1660_1.0 baseline NG	1	20-DEC-1997 01:34
$1254_2.0	1	20-DEC-1997 02:16
$1254_1.0	1	20-DEC-1997 02:59
$1254_0.20	1	20-DEC-1997 03:41
$1254_0.10	1	20-DEC-1997 04:24
$1254_0.02 NG	1	20-DEC-1997 05:06
NG ICV_1254_1.0	1	20-DEC-1997 05:49
RINSE	1	20-DEC-1997 06:31
BL-142141-1 1254	1	20-DEC-1997 07:14
QC-142141-1	1	20-DEC-1997 07:56
97C05229 1254	100	20-DEC-1997 08:39
97C05229MS	100	20-DEC-1997 09:21
97C05229MSD	100	20-DEC-1997 10:04
97C05230 1254 (+48?)	100	20-DEC-1997 10:46
97C05231 NG	100	20-DEC-1997 11:29
97C05232 1254	100	20-DEC-1997 12:11
97C05233 1254 poor pattern	100	20-DEC-1997 12:54
97C05234 1254	100	20-DEC-1997 13:37
ok CCV1660_1_1	1	20-DEC-1997 14:19
97C05235 1254	100	20-DEC-1997 15:02
97C05236 NG	100	20-DEC-1997 15:44
97C05237 1254	100	20-DEC-1997 16:27
97C05238 NG	100	20-DEC-1997 17:10
97C05239 NG	100	20-DEC-1997 17:52
97C05240 1254 weak pattern	100	20-DEC-1997 18:35
97C05241 1254	100	20-DEC-1997 19:18
97C05242 1254	100	20-DEC-1997 20:00
97C05243 ↓	100	20-DEC-1997 20:43
97C05244 ↓	100	20-DEC-1997 21:25
ok CCV1660_1_2	1	20-DEC-1997 22:08
97C05245 1254	100	20-DEC-1997 22:51
97C05246 ↓	100	20-DEC-1997 23:33
97C05247 1254 + unk peaks	100	21-DEC-1997 00:16
97C05248 1254	100	21-DEC-1997 00:58

Sample Name	Dilution	Date Acquired
RINSE	1	21-DEC-199[illegible] 1:41
ok CCV1660_1_3	1	21-DEC-1997 02:24
97C05229 all but 1254	1	21-DEC-1997 03:06
97C05229MS	1	21-DEC-1997 03:49 to report 1016 % RPD
97C05229MSD	1	21-DEC-1997 04:31
97C05230 all but 48+54+60	1	21-DEC-1997 05:14
97C05231 1254	1	21-DEC-1997 05:57
97C05232 all but 48,54,60	1	21-DEC-1997 06:39
97C05233 all but 54,60	1	21-DEC-1997 07:22
97C05234 NG	1	21-DEC-1997 08:04
RINSE	1	21-DEC-1997 08:47
ok CCV1660_1_4	1	21-DEC-1997 09:30
97C05235 all but 48,54,60	1	21-DEC-1997 10:12
97C05236 all	1	21-DEC-1997 10:55
97C05237 all but 54,60	1	21-DEC-1997 11:38
97C05238 all ; 1254	1	21-DEC-1997 12:20
97C05239 all ; 1254	1	21-DEC-1997 13:03
97C05240 all but 1254	1	21-DEC-1997 13:45
97C05241 all but 54,60	1	21-DEC-1997 14:28
97C05242 all but 54,60	1	21-DEC-1997 15:11
97C05243	1	21-DEC-1997 15:53
97C05244 ↓	1	21-DEC-1997 16:36
RINSE	1	21-DEC-1997 17:19
ok CCV1660_1_5	1	21-DEC-1997 18:01
97C05245 all but 54,60	1	21-DEC-1997 18:44
97C05246 ↓	1	21-DEC-1997 19:26
97C05247 NG	1	21-DEC-1997 20:09
97C05248 all but 48,54,60	1	21-DEC-1997 20:52
RINSE	1	21-DEC-1997 21:34
ok CCV1660_1_6	1	21-DEC-1997 22:17

00065

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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.:**	AAAASS
Analysis SOP No.:	OE-SW-8080	**DCL Account:**	3008
Matrix:	Soil	**DCL Set ID:**	97C-0438-01

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 97C05231 (ZZZND1), 97C05238 (BBBBSED(D)) and 97C05239 (BBBBND2). PCB-1016 was reported from the undiluted analysis for sample 97C05229 (ZZZNS1), the matrix spike sample and the matrix spike duplicate sample. Also, all surrogates are reported from the undiluted sample analyses.

Method and Sample QC Data:

Method Blank (BL) : PCB-1254 was detected in the method blank sample below the reporting limit but above the method detection level..

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 97C05229. 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 for the MS sample but out of control for the MSD sample. PCB-1260 spike recoveries were diluted out for both the MS and MSD samples. The relative percent difference between the two spike recoveries were outside of method performance control limits for PCB-1016 but within control limits for PCB-1260. Poor MS/MSD results are attributed to the sample matrix.

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 outside the method performance control limits with exception of the recoveries for the method blank, QC, samples 97C05231, 97C05233 (BBBBSD2), 97C05236 (BBBBSS2) and 97C05238. Therefore, 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): The PCB-1016 (+31%) and PCB-1254 (-28%) ICV recoveries were outside of the ±25% window. Calibration standards have been previously verified without nonconformance. Poor ICV recoveries are attributed to the ICV injection and not the calibration. nonsense. Prove it.

Continuing Calibration Verification (CCV): All tetrachloro-m-xylene surrogate continuing calibration verification standard recoveries were within ±15%.

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~~ µg/mL)

V_E = Final volume of extract (mL)

DF = Dilution factor

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

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2
PESTICIDES
SURROGATE RECOVERY

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: AAAASS DCL Set ID: 97C-0438-01

Matrix: SOIL Analysis Method: 8080A

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

	CLIENT SAMPLE NO.	DBC COLUMN 1 % REC	TCX COLUMN 1 % REC	TOTAL OUT	
29 01	ZZZNS1	280 ~~294.~~ *	109.	1	
30 02	ZZZSS1 1:1	291. *	78.5	1	
31 03	ZZZND1 1:1	124.	110.	0	
32 04	ZZZSD1 1:1	242. *	81.4	1	
33 05	BBBBSD2 1:100	OD ~~129.~~	OD ~~85.~~0	0	should be reported from 1:100 ∵ 1:1 couldn't provide valid PCB identification
34 06	BBBBSED(S) 1:1	175. *	83.9	1	
35 07	BBBBNS1 1:1	434. *	111.	1	
36 08	BBBBSS2	137.	87.2	0	
37 09	BBBBNS2	260. *	92.9	1	
38 10	BBBBSED(D)	134.	118.	0	
39 11	BBBBND2	5.36 *	79.7	1	"R" NDs ; "J" hits
40 12	BBBBND1	192. *	121.	1	
41 13	BBBBSS1	308. *	77.8	1	
42 14	BBBBSD1	603. *	103.	1	
43 15	AAAASS1	270. *	86.2	1	
44 16	AAAANS2	393. *	108.	1	
45 17	AAAASS2	312. *	88.1	1	
46 18	AAAAND2	426. *	117.	1	
47 19	AAAASED(S) 1:100	OD ~~492.~~ *	O ~~69.1~~ D	1	see comment on sample 97C05233
48 20	AAAANS3 1:1	392. *	88.2	1	
29 21	ZZZNS1 MS	300. *	115.	1	
29 22	ZZZNS1 MSD	287. *	109.	1	
23	BL-142141-1	117.	105.	0	
24	QC-142141-1	133.	121.	0	

QC LIMITS

DBC = Dibutylchlorendate	(37.0-147.)
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: 97-00013

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: AAAASS DCL Set ID: 97C-0438-01

Matrix: SOIL Analysis Method: 8080A

Matrix Spike - Client Sample No. ZZZNS1 DCL Sample No.: 97C05229MS

MS Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC QC LIMITS
Aroclor 1016	121	167.	0 ~~270~~	221.	132 ~~103.~~	44.0-140.
Aroclor 1260	12100	167.	0 ~~3700~~	2967 2960	1777 ~~1180~~ *	48.1-146.

MSD Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Aroclor 1016	121	167.	187.	120 ~~82.6~~	9.5 ~~16.9~~ *	15.8	44.0-140.
Aroclor 1260	12100	167.	3000	1796 ~~1200~~ *	1.1 ~~1.41~~	45.9	48.1-146.

* Values outside of contract required QC limits.

RPD: 1 out of 2 outside limits.
Spike Recovery: 2 out of 4 outside limits.

FORM III CHROM-1

CONC. VERIFICATION BY QUADRATIC MODEL FOR AR1254

F.V.= 10 mL
97C-0438

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	75410	0.155	27201	0.138	22784	0.139	41426	0.146	43565	0.147	0.724	1	100	241
BLANK	876	0.002	516	0.002	71	0.000	296	0.001	524	0.002	0.007	1	100	2
QC-142006-1	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	100	0
97C05229	4031	0.007	1525	0.007	1021	0.006	1286	0.004	1649	0.005	0.030	100	81.1	1227
97C05229MS	5334	0.010	1730	0.008	1691	0.010	2110	0.007	2411	0.008	0.042	100	81.1	1734
97C05229MSD	5395	0.010	2094	0.010	1665	0.009	2097	0.007	2360	0.008	0.044	100	81.1	1795
97C05230	16981	~~4948~~ 0.030	~~0.009~~ 6959	~~3340~~ 0.033	~~0.016~~ 4222	~~10334~~ 0.024	~~0.060~~ 5076	~~15895~~ .017	~~0.053~~ 6235	~~6437~~ .020	~~0.018~~ .126	~~0.156~~	100	64	~~8120~~ 6555
~~97C05231~~	~~379~~	~~0.001~~	~~101~~	~~0.000~~	~~191~~	~~0.001~~	~~22~~	~~0.000~~	~~133~~	~~0.000~~	~~0.003~~	~~100~~	~~87.4~~	~~105~~
97C05232	13533	0.025	6564	0.031	4579	0.026	4835	0.016	5117	0.016	0.115	100	39.3	9756
97C05233	1368	0.003	617	0.003	2521	0.014	397	0.001 J	858	0.003	0.024	100	67.9	1170 J
97C05234	15307	0.029	7242	0.034	4360	0.025	3998	0.013	2943	0.009	0.111	100	74.2	4969 J; elevated baseline
97C05235	13792	0.026	5983	0.028	3288	0.019	4601	0.015	5529	0.018	0.106	100	65.8	5359
~~97C05236~~ too diluted	~~736~~	~~0.001~~	~~285~~	~~0.001~~	~~1982~~	~~0.011~~	~~0~~	~~0.000~~	~~602~~	~~0.002~~	~~0.016~~	~~100~~	~~68.2~~	~~778~~
97C05237	8995	0.017	3563	0.017	2826	0.016	3281	0.011	3549	0.011	0.072	100	61.9	3862
~~97C05238~~	~~65~~	~~0.000~~	~~28~~	~~0.000~~	~~97~~	~~0.001~~	~~103~~	~~0.000~~	~~23~~	~~0.000~~	~~0.001~~	~~100~~	~~85.2~~	~~47~~
~~97C05239~~	~~197~~	~~0.000~~	~~50~~	~~0.000~~	~~142~~	~~0.001~~	~~57~~	~~0.000~~	~~69~~	~~0.000~~	~~0.002~~	~~100~~	~~75.9~~	~~79~~
97C05240	1949	0.004	983	0.005	711	0.004	891	0.003 J	925	0.003 J	0.018	100	79.2	761 J
97C05241	6039	0.011	2357	0.011	2347	0.013	2699	0.009	2163	0.007	0.051	100	65.3	2622 J peak integration
97C05242	9451	0.018	6787	0.032	3551	0.020	5777	0.019	8772	0.028	0.117	100	41.9	9343
97C05243	13019	0.024	5938	0.028	3962	0.023	4519	0.015	4771	0.015	0.105	100	50.3	6976
97C05244	8588	0.016	3169	0.015	2689	0.015	3438	0.011	4009	0.013	0.070	100	76.5	3063
97C05245	11833	0.022	4220	0.020	3872	0.022	4589	0.015	5218	0.017	0.096	100	53.6	5967
97C05246	10573	0.020	4127	0.019	2971	0.017	3754	0.012	4284	0.014	0.082	100	78.8	3475
97C05247	55935	0.111	18796	0.093	10617	0.062	8204	0.027	13880	0.045	0.338	100	44.3	25427
97C05248	14340	0.027	5402	0.026	3790	0.022	5113	0.017	4765	0.015	0.106	100	69.3	5106
97C05229	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	81.1	0
97C05229MS	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	81.1	0
97C05229MSD	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	81.1	0
97C05230	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	64	~~40.43~~ "0"
97C05231	36423	0.070	12122	0.058	16147	0.096	12383	0.041	15630	0.051	0.317	1	87.4	121 - baseline; "J" dropped (peak integration)
97C05236 peak integration "J+"	62756	0.126	45380	0.246	~~172692~~	~~#NUM!~~	31567	0.109	51670	0.176	~~#NUM!~~ 1.657 1.958 × 5/4	1	68.2	~~#NUM!~~ 401.39
97C05237	1	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	61.9	0
97C05238	13421	0.025	6792	0.032	5610	0.032	9484	0.031	12577	0.041	0.162	1	85.2	63
97C05239	19793	0.037	11333	0.055	5770	0.033	7633	0.025	8814	0.029	0.179	1	75.9	78
~~97C05240~~	~~166867~~	~~0.448~~	~~106146~~	~~#NUM!~~	~~68489~~	~~0.518~~	~~101770~~	~~0.434~~	~~141190~~	~~0.558~~	~~#NUM!~~	~~1~~	~~79.2~~	~~#NUM!~~ 1030

-389556 546871 -12106 214308

AR1260

-85007.1 176816 -169194 308056 -105949 312055

F.V.= 10 mL

97C-0428	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	69317	0.256	42383	0.269	27268	0.184	46129	0.254	71384	0.257	1.220	1	100	407	
ccv1	54962	0.201	32847	0.208	29545	0.201	36219	0.199	57623	0.204	1.013	1	100	338	
ccv2	54405	0.199	33161	0.210	29411	0.200	36395	0.200	57662	0.204	1.013	1	100	338	
ccv3	53808	0.197	33300	0.211	28529	0.193	35794	0.197	57782	0.205	1.002	1	100	334	
ccv4	58399	0.214	35113	0.222	29884	0.203	37986	0.209	60053	0.213	1.062	1	100	354	
ccv5	55432	0.203	33523	0.212	29224	0.198	36378	0.200	57716	0.204	1.018	1	100	339	
CCV6	49976	0.183	29839	0.189	26659	0.180	32842	0.180	51955	0.183	0.914	1	100	305	
QC-142015-1	30465	0.110	17653	0.111	18359	0.121	20508	0.112	31593	0.109	0.563	1	100	188	
97C05229	~~1960~~	~~0.007~~	~~1302~~	~~0.008~~	~~2816~~	~~0.018~~	~~4368~~	~~0.024~~	~~2115~~	~~0.007~~	~~0.064~~	~~100~~	~~81.1~~	~~2628~~	wet wt.
97C05229MS	3006	0.011	1807	0.011	3660	0.023	6013	0.033	3170	0.011	0.089	100	81.1	3648	2967
97C05229MSD	2969	0.011	1797	0.011	3872	0.025	6048	0.033	3136	0.011	0.090	100	81.1	3699	3000
97C05229	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0.000	1	81.1	0	
97C05229MS	205900	0.830	130202	0.857	258784	#NUM!	404909	2.608	178517	0.751	#NUM!	1	81.1	#NUM!	
97C05229MSD	188495	0.750	119483	0.783	236452	#NUM!	369394	2.333	161234	0.657	#NUM!	1	81.1	#NUM!	

F.V.= 10 mL
97C-0438

CONC.=(-B+SQRT(B^2-4AC))/(2A) in ug/mL in extract

	AR1016-1		AR1016-2		AR1016-3		AR1016-4		AR1016-5		TOTAL CONC.			FINAL CONC	
	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	in extract	DF	%S	ug/Kg	
icv1660	110560	0.378	122986	0.246	68509	0.253	156974	0.254	79436	0.251	1.382	1	100	461	
ccv1	62540	0.193	102759	0.196	54970	0.196	121616	0.188	60937	0.184	0.959	1	100	320	
ccv2	63247	0.196	103282	0.198	55003	0.197	122662	0.190	59563	0.180	0.960	1	100	320	
ccv3	61894	0.191	101161	0.193	54096	0.193	116533	0.180	58127	0.175	0.931	1	100	310	
ccv4	63818	0.198	104353	0.200	56054	0.201	124391	0.193	62461	0.190	0.982	1	100	327	
ccv5	63070	0.195	103625	0.198	55077	0.197	120800	0.187	61533	0.187	0.964	1	100	321	
CCV6	63128	0.195	102069	0.195	53915	0.192	115276	0.177	59374	0.179	0.939	1	100	313	
QC-142141-1	35465	0.105	55832	0.098	28189	0.095	64536	0.094	32376	0.093	0.485	1	100	162	
97C05229	14	0.000	102	0.000	352	0.001	229	0.000	25	0.000	0.002	100	81.1	71	
97C05229MS	344	0.001	939	0.002	1263	0.004	1712	0.002	902	0.002	0.011	100	81.1	468	
97C05229MSD	348	0.001	898	0.001	1037	0.003	1307	0.002	385	0.001	0.009	100	81.1	355	not wt
97C05229	0 ~~4759~~	0.013	0 ~~14713~~	0.024	0 ~~18450~~	0.061	0 ~~24324~~	0.034	0 ~~4981~~	0.014	0 ~~0.147~~	1	81.1	60	~~49~~ 0
97C05229MS	37497	0.111	67568	0.121	51220	0.181	93304	0.140	37806	0.109	0.663	1	81.1	273	221
97C05229MSD	33808	0.100	60903	0.108	41251	0.143	80604	0.120	31349	0.089	0.560	1	81.1	230	187

CONC. VERIFICATION BY QUADRATIC MODEL

97C-0438

	TCMX				DBC		
	Y	CONC.	%R	DF	Y	CONC.	%R
BLANK	151086	0.05262	105	1	20478	0.059	117
QC-142141-1	172925	0.06045	121	1	23293	0.066	133
97C05229	1421	0.00048	97	100	395	0.001	231 *
97C05229MS	1716	0.00058	117	100	535	0.002	313 *
97C05229MSD	1624	0.00055	110	100	582	0.002	341 *
97C05230	1351	0.00046	92	100	723	0.002	423 *
~~97C05231~~	~~1465~~	~~0.00050~~	~~100~~	~~100~~	~~220~~	~~0.001~~	~~129~~
97C05232	1401	0.00048	95	100	31	0.000	18 *
97C05233	2748	0.00093	187 *	100	272	0.001	159 *
97C05234	1767	0.00060	120	100	417	0.001	244 *
97C05235	1931	0.00066	131	100	912	0.003	534 *
~~97C05236~~	~~2382~~	~~0.00081~~	~~162 *~~	~~100~~	~~181~~	~~0.001~~	~~106~~
97C05237	1382	0.00047	94	100	540	0.002	316 *
~~97C05238~~	~~1552~~	~~0.00053~~	~~106~~	~~100~~	~~168~~	~~0.000~~	~~98~~
~~97C05239~~	~~1006~~	~~0.00034~~	~~68~~	~~100~~	~~11~~	~~0.000~~	~~6 *~~
97C05240	1514	0.00051	103	100	249	0.001	146
97C05241	1457	0.00050	99	100	635	0.002	372 *
97C05242	1652	0.00056	112	100	899	0.003	526 *
97C05243	1481	0.00050	101	100	647	0.002	379 *
97C05244	1688	0.00057	115	100	787	0.002	460 *
97C05245	1899	0.00065	129	100	754	0.002	441 *
97C05246	1773	0.00060	121	100	788	0.002	461 *
97C05247	2176	0.00074	148	100	1923	0.006	1124 *
97C05248	1506	0.00051	102	100	976	0.003	571 *
97C05229	156229	0.05446	109	1	50649	0.140	280 *
97C05229MS	165058	0.05762	115	1	54367	0.150	299 *
97C05229MSD	155738	0.05428	109	1	51979	0.144	287 *
97C05230	113490	0.03928	79	1	52774	0.146	291 *
97C05231	157255	0.05482	110	1	21716	0.062	124
97C05232	117561	0.04072	81	1	43494	0.121	242 *
~~97C05233~~	~~122538~~	~~0.04248~~	~~85~~	~~1~~	~~22600~~	~~0.064~~	~~129~~
97C05234	121002	0.04193	84	1	31014	0.088	175 *
97C05235	158556	0.05529	111	1	80927	0.217	434 *
97C05236	125738	0.04361	87	1	24039	0.068	137
97C05237	133848	0.04648	93	1	46746	0.130	260 *
97C05238	169429	0.05919	118	1	23549	0.067	134
97C05239	115032	0.03983	80	1	916	0.003	5 *
97C05240	172721	0.06037	121	1	34023	0.096	192 *
97C05241	112448	0.03892	78	1	55924	0.154	308 *
97C05242	147277	0.05126	103	1	116087	0.302	603 *
97C05243	124312	0.04310	86	1	48790	0.135	270 *
97C05244	154359	0.05379	108	1	72601	0.196	393 *
97C05245	127043	0.04407	88	1	56778	0.156	312 *
97C05246	166837	0.05826	117	1	79229	0.213	426 *
~~97C05247~~	~~100062~~	~~0.03456~~	~~69~~	~~1~~	~~92773~~	~~0.246~~	~~492 *~~
97C05248	127108	0.04409	88	1	72505	0.196	392 *

a = 144048

b = 341485

c = 0

$$\frac{-341485 \pm \sqrt{(341485)^2 - 4 \times 144048 \times (0 - 50649)}}{2 \times 144048}$$

DATA CHEM LABORATORIES
A SORENSON COMPANY

Client: Roy F. Weston | Project: EPA Region II START #G2
DCL Account No: 3008
DCL Set ID No.: 97C-0438-01, 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	540	✓	
4.	Percent Solids				
	Case Narrative	NA	NA	✓	
	Analytical Forms	541	543	✓	
	Sample Tracking Documentation	544	548	✓	
	Analytical Documentation	549	549	✓	
	Raw Data	NA	NA	✓	
5.	Shipping/Receiving Documents				
	Airbill (No. of Shipments: 1)	550	550	✓	
	Sample Log-In Sheet	551	551	✓	
	DCL Cooler Receipt Checklist	552	552	✓	
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)

CHAIN OF CUSTODY RECORD

RFP No.: 2226

PO No.: 87052

WESTON. MANAGERS DESIGNERS/CONSULTANTS

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 ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS BIN	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. Mahfouz	1700	11/6/97

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
ALL	M. Mahfouz	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 Mahfouz	
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. HNO3
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	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS IGN	COR	REAC	OTHER
BBBBSD2	11/6/97 1510	5	L	G	6										TOTAL PCBs
BBBBSED(S)	11/6/97 1500														
BBBBNS1	11/6/97 1500														
BBBBSS2	11/6/97 1505														
BBBBNS2	11/6/97 1502														
BBBBSED(D)	11/6/97 1500														
BBBBND2	11/6/97 1505														
BBBBND1	11/6/97 1505														
BBBBSS1	11/6/97 1505														
BBBBSD1	11/6/97 1510														
AAAASS1	11/6/97 1521														

Comments:

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 [illegible]	
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.: 2226

PO No.: 87052

CHAIN OF CUSTODY RECORD

WESTON. MANAGERS DESIGNERS/CONSULTANTS

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019
Phone: 908-225-5116 Fax: 908-225-7037

Matrix Box No.:	Preservative Box No.:
1. Surface Water	1. HCl
2. Ground Water	2. HNO3
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 ANALYSIS VOA	BNA	PEST	PCBs	TAL	CN	RCRA ANALYSIS KIN	COR	REAC	OTHER
AAAANS2	11/6/97/1525	5	L	G	6										Total PCBs
AAAASS2	11/6/97/1527														
AAAAND2	11/6/97/1536														
AAAASED(S)	11/6/97/1520														
AAAANS3	11/6/97/1535														
AAAANS1	11/6/97/1525														
AAAAND1	11/6/97/1530														
RB2	11/6/97/1630														
	~~11/6/97~~														
	~~11/6/97~~														
	~~11/6/97~~														

Comments: Extra sample volume given for MS/MSD sample # AAAANS1

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

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

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.:**	AAAASS
Analysis SOP No.:	OE-SW-8080	**DCL Account:**	3008
Matrix:	Soil	**DCL Set ID:**	97C-0438-01

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 97C05231 (ZZZND1), 97C05238 (BBBBSED(D)) and 97C05239 (BBBBND2). PCB-1016 was reported from the undiluted analysis for sample 97C05229 (ZZZNS1), the matrix spike sample and the matrix spike duplicate sample. Also, all surrogates are reported from the undiluted sample analyses.

Method and Sample QC Data:

Method Blank (BL) : PCB-1254 was detected in the method blank sample below the reporting limit but above the method detection level..

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 97C05229. 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 for the MS sample but out of control for the MSD sample. PCB-1260 spike recoveries were diluted out for both the MS and MSD samples. The relative percent difference between the two spike recoveries were outside of method performance control limits for PCB-1016 but within control limits for PCB-1260. Poor MS/MSD results are attributed to the sample matrix.

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 outside the method performance control limits with exception of the recoveries for the method blank, QC, samples 97C05231, 97C05233 (BBBBSD2), 97C05236 (BBBBSS2) and 97C05238. Therefore, 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): The PCB-1016 (+31%) and PCB-1254 (-28%) ICV recoveries were outside of the ±25% window. Calibration standards have been previously verified without nonconformance. Poor ICV recoveries are attributed to the ICV injection and not the calibration.

Continuing Calibration Verification (CCV): All tetrachloro-m-xylene surrogate continuing calibration verification standard recoveries were within ±15%.

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: None.

Richard W. Wade January 2, 1998

Richard W. Wade, DCL Section Manager

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.

ZZZNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05229
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.9
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-Dec-1997 03:06
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
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	2.8	8.2	2.8	UD
11097-69-1	Aroclor 1254	190 ~~1.9~~	820 ~~8.2~~	1200	D N
11096-82-5	Aroclor 1260	180 ~~1.8~~	8.2	180 ~~1.8~~	UD

D=1:100

00007

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.

ZZZSS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05230
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 36.0
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 10:46
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	4.6	10.	4.6	UD
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	360 ~~3.6~~	1000 ~~10.~~	360 ~~3.6~~	UD
11097-69-1	Aroclor 1254	240 ~~2.4~~	1 ~~10.~~	6600	D N
11096-82-5	Aroclor 1260	230 ~~2.3~~	↓ ~~10.~~	230 ~~2.3~~	UD

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FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.

ZZZND1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05231
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 12.6
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-Dec-1997 05:57
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	3.4	7.6	3.4	U
11104-28-2	Aroclor 1221	24.	38.	24.	U
11141-16-5	Aroclor 1232	4.2	7.6	4.2	U
53469-21-9	Aroclor 1242	2.9	7.6	2.9	U
12672-29-6	Aroclor 1248	2.6	7.6	2.6	U
11097-69-1	Aroclor 1254	1.8	7.6	120 ~~130~~	JN
11096-82-5	Aroclor 1260	1.7	7.6	1.7	U

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZSD1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05232
Sample wt/vol: ~~0.030~~ Kg
Reporting Basis: Dry
% Moisture: 60.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 12:11
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	7.5	17.	7.5	UD
11104-28-2	Aroclor 1221	53.	85.	53.	UD
11141-16-5	Aroclor 1232	9.4	17.	9.4	UD
53469-21-9	Aroclor 1242	6.4	17.	6.4	UD
12672-29-6	Aroclor 1248	~~3.9~~ 590	~~17.~~ 1700	~~5.9~~ 590	UD
11097-69-1	Aroclor 1254	~~3.9~~ 390	~~17.~~	~~9700~~ 9800	D N
11096-82-5	Aroclor 1260	~~3.7~~ 370	~~17.~~	~~3.7~~ 370	UD

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSD2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05233
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: 20-Dec-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	4.3	9.8	4.3	UD
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	~~2.3~~ 230	~~9.8~~ 980	1200	D JN
11096-82-5	Aroclor 1260	~~2.2~~ 220	~~9.8~~ ↓	~~2.2~~ 220	UD

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00011

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05234
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 25.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 13:37
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	4.0	9.0	4.0	UD
11104-28-2	Aroclor 1221	28.	45.	28.	UD
11141-16-5	Aroclor 1232	5.0	9.0	x100 5.0	UD
53469-21-9	Aroclor 1242	3.4	9.0	3.4	UD
12672-29-6	Aroclor 1248	x100 3.1	x100 9.0	3.1	UD
11097-69-1	Aroclor 1254	x100 2.1	9.0	5000	PKNJ
11096-82-5	Aroclor 1260	2.0	9.0	200 ~~40~~	UD

00012

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.
BBBBNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05235
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 34.2
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 15:02
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1 ~~100.~~
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.5	10.	4.5	UD
11104-28-2	Aroclor 1221	32.	51.	32.	UD
11141-16-5	Aroclor 1232	5.6	10.	5.6	UD
53469-21-9	Aroclor 1242	3.8	10.	3.8	UD
12672-29-6	Aroclor 1248	350 ~~3.5~~	1000 ~~10.~~	350 ~~3.5~~	UD
11097-69-1	Aroclor 1254	230 ~~2.3~~	1 ~~10.~~	5400 ~~5300~~	DN
11096-82-5	Aroclor 1260	220 ~~2.2~~	1 ~~10.~~	220 ~~2.2~~	UD

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00013

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05236
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 31.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 15:44
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
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	2.3	9.8	400 ~~970~~	~~D~~ J
11096-82-5	Aroclor 1260	2.2	9.8	2.2	UD

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.

BBBBNS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05237
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 38.1
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 16:27
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1 ~~100.~~
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.8	11.	4.8	UD
11104-28-2	Aroclor 1221	34.	54.	34.	UD
11141-16-5	Aroclor 1232	5.9	11.	5.9	UD
53469-21-9	Aroclor 1242	4.1	11.	4.1	UD
12672-29-6	Aroclor 1248	3.7	11.	3.7	UD
11097-69-1	Aroclor 1254	250 ~~2.5~~	1100 ~~11.~~	3900	DN
11096-82-5	Aroclor 1260	240 ~~2.4~~	↓ ~~11.~~	240 ~~2.4~~	UD

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FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSED(D)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05238
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 14.8
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-Dec-1997 12:20
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	7.8	3.5	U
11104-28-2	Aroclor 1221	25.	39.	25.	U
11141-16-5	Aroclor 1232	4.3	7.8	4.3	U
53469-21-9	Aroclor 1242	3.0	7.8	3.0	U
12672-29-6	Aroclor 1248	2.7	7.8	2.7	U
11097-69-1	Aroclor 1254	1.8	7.8	63<	N
11096-82-5	Aroclor 1260	1.7	7.8	1.7	U

00016

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05239
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 24.1 /
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-Dec-1997 13:03
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	3.9	8.8	3.9	U K
11104-28-2	Aroclor 1221	28.	44.	28.	U I
11141-16-5	Aroclor 1232	4.8	8.8	4.8	U I
53469-21-9	Aroclor 1242	3.3	8.8	3.3	U I
12672-29-6	Aroclor 1248	3.0	8.8	3.0	U ✓
11097-69-1	Aroclor 1254	2.0	8.8	79.	NJ
11096-82-5	Aroclor 1260	1.9	8.8	1.9	U R

00017

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBND1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05240
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 20.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 18:35
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	3.7	8.4	3.7	UD
11104-28-2	Aroclor 1221	26.	42.	26.	UD
11141-16-5	Aroclor 1232	4.6	8.4	4.6	UD
53469-21-9	Aroclor 1242	3.2	8.4	3.2	UD
12672-29-6	Aroclor 1248	2.9	8.4	2.9	UD
11097-69-1	Aroclor 1254	190 ~~1.9~~	840 ~~8.4~~	760	D JN
11096-82-5	Aroclor 1260	↓ ~~1.9~~	↓ ~~8.4~~	190 ~~1.9~~	UD

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FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05241
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 34.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 19:18
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	4.5	10.	4.5	UD
11104-28-2	Aroclor 1221	32.	51.	32.	UD
11141-16-5	Aroclor 1232	5.6	10.	5.6	UD
53469-21-9	Aroclor 1242	3.9	10.	3.9	UD
12672-29-6	Aroclor 1248	3.5	10.	3.5	UD
11097-69-1	Aroclor 1254	240 ~~2.4~~	1000 ~~10.~~	2600	D NJ
11096-82-5	Aroclor 1260	230 ~~2.3~~	↓ ~~10.~~	230 ~~2.3~~	UD

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00019

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BBBBSD1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05242
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 58.1
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 20:00
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	7.0	16.	7.0	UD
11104-28-2	Aroclor 1221	50.	79.	50.	UD
11141-16-5	Aroclor 1232	8.8	16.	8.8	UD
53469-21-9	Aroclor 1242	6.0	16.	6.0	UD
12672-29-6	Aroclor 1248	5.5	16.	5.5	UD
11097-69-1	Aroclor 1254	370 ~~3.7~~	1600 ~~16.~~	9300	D N
11096-82-5	Aroclor 1260	350 ~~3.5~~	1600 ~~16.~~	350 ~~9.5~~	UD

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FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAASS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05243
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 49.7
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 20:43
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	5.9	13.	5.9	UD
11104-28-2	Aroclor 1221	42.	66.	42.	UD
11141-16-5	Aroclor 1232	7.3	13.	7.3	UD
53469-21-9	Aroclor 1242	5.0	13.	5.0	UD
12672-29-6	Aroclor 1248	4.6	13.	4.6	UD
11097-69-1	Aroclor 1254	310 ~~3.1~~	1300 ~~13.~~	7000	D N
11096-82-5	Aroclor 1260	290 ~~2.9~~	↓ ~~13.~~	290 ~~2.9~~	UD

D=1:100

00021

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAANS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05244
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 23.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 21:25
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	3.9	8.7	3.9	UD
11104-28-2	Aroclor 1221	27.	44.	27.	UD
11141-16-5	Aroclor 1232	4.8	8.7	4.8	UD
53469-21-9	Aroclor 1242	3.3	8.7	3.3	UD
12672-29-6	Aroclor 1248	3.0	8.7	3.0	UD
11097-69-1	Aroclor 1254	200 ~~2.0~~	870 ~~8.7~~	3100 ~~3000~~	D
11096-82-5	Aroclor 1260	190 ~~1.9~~	870 ~~8.7~~	190 ~~1.9~~	UD

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00022

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAASS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05245
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: 20-Dec-1997 22:51
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	5.5	12.	5.5	UD
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	4.3	12.	4.3	UD
11097-69-1	Aroclor 1254	~~2.9~~ 290	~~12.~~ 1200	6000	DN
11096-82-5	Aroclor 1260	~~2.7~~ 270	~~12.~~	~~2.7~~ 270	UD

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00023

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAAND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05246
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 21.2
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 20-Dec-1997 23:33
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	3.7	8.5	3.7	UD
11104-28-2	Aroclor 1221	27.	42.	27.	UD
11141-16-5	Aroclor 1232	4.7	8.5	4.7	UD
53469-21-9	Aroclor 1242	3.2	8.5	3.2	UD
12672-29-6	Aroclor 1248	2.9	8.5	2.9	UD
11097-69-1	Aroclor 1254	200 2.0	850 8.5	3500 3400	DN
11096-82-5	Aroclor 1260	190 1.9	8.5	190 189	UD

D=1:100

00024

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAASED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05247
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 55.7
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-Dec-1997 00:16
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	6.7	15.	6.7	UD
11104-28-2	Aroclor 1221	47.	75.	47.	UD
11141-16-5	Aroclor 1232	8.3	15.	8.3	UD
53469-21-9	Aroclor 1242	5.7	15.	5.7	UD
12672-29-6	Aroclor 1248	5.2	15.	5.2	UD
11097-69-1	Aroclor 1254	3.5	15.	25000	D
11096-82-5	Aroclor 1260	3.3	15.	3.3	UD

J

00025

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

AAAANS3

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05248
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 30.7
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-Dec-1997 00:58
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
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	330 3.3	960 9.6	330 =3.3	UD
11097-69-1	Aroclor 1254	220 2.2	1 9.6	5100	D
11096-82-5	Aroclor 1260	210 2.1	↓ 9.6	210 =2.1	UD

D= 1:100

00026

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05229MS
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.9
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-Dec-1997 03:49
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	3.6	8.2	221.	
11096-82-5	Aroclor 1260	1.8	8.2	2960	D

00027

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ZZZNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: 97C05229MSD
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.9
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-Dec-1997 04:31
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	187.	
11096-82-5	Aroclor 1260	1.8	8.2	3000	D

00028

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-142141-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: BL-142141-1
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-Dec-1997 07:14
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	20.90	33.3	20.90	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	2.4	J
11096-82-5	Aroclor 1260	1.47	6.67	1.47	U

FORM I CHROM

DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00013

CLIENT SAMPLE NO.

QC-142141-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: QC-142141-1
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-Dec-1997 07:56
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	162.	
11096-82-5	Aroclor 1260	1.47	6.67	188.	

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

2
PESTICIDES
SURROGATE RECOVERY

05-Jan-1998 11:03

Report Number: 97-00013

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: AAAASS DCL Set ID: 97C-0438-01

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	ZZZNS1	280 ~~294.~~ *	109.	1
02	ZZZSS1	291. *	78.5	1
03	ZZZND1	124.	110.	0
04	ZZZSD1	242. *	81.4	1
05	BBBBSD2 1:100	0 ~~129.~~ D	0 ~~85.0~~ D	2 ~~0~~
06	BBBBSED(S)	175. *	83.9	1
07	BBBBNS1	434. *	111.	1
08	BBBBSS2	137.	87.2	0
09	BBBBNS2	260. *	92.9	1
10	BBBBSED(D)	134.	118.	0
11	BBBBND2	5.36 *	79.7	1
12	BBBBND1	192. *	121.	1
13	BBBBSS1	308. *	77.8	1
14	BBBBSD1	603. *	103.	1
15	AAAASS1	270. *	86.2	1
16	AAAANS2	393. *	108.	1
17	AAAASS2	312. *	88.1	1
18	AAAAND2	426. *	117.	1
19	AAAASED(S) 1:100	0 ~~492.~~ D	0 ~~69.1~~ D	2 ~~1~~
20	AAAANS3	392. *	88.2	1
21	ZZZNS1 MS	300. *	115.	1
22	ZZZNS1 MSD	287. *	109.	1
23	BL-142141-1	117.	105.	0
24	QC-142141-1	133.	121.	0

	QC LIMITS
DBC = Dibutylchlorendate	(37.0-147.)
TCX = Tetrachloro-meta-Xylene	(38.4-156.)

* Values outside of contract required QC limits.

00031

FORM II CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

3-1
PESTICIDES
MS and MSD RECOVERY

Report Number: 97-00013

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: AAAASS DCL Set ID: 97C-0438-01

Matrix: SOIL Analysis Method: 8080A

Matrix Spike - Client Sample No. ZZZNS1 DCL Sample No.: 97C05229MS

MS Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC QC LIMITS
Aroclor 1016	1:1	167.	0 ~~270~~	221.	132 ~~103~~	44.0-140.
Aroclor 1260	1:100	167.	0 ~~3700~~	2960	1771 ~~1180~~ *	48.1-146.

MSD Concentration Units: ug/Kg

COMPOUND		SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Aroclor 1016	1:1	167.	187.	120 ~~82.6~~	9.5 ~~16.9~~ *	15.8	44.0-140.
Aroclor 1260	1:100	167.	3000	1796 ~~1200~~ *	1.1 ~~1.41~~	45.9	48.1-146.

* Values outside of contract required QC limits.

RPD: 1 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: 97-00013

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
Analysis Method: 8080A
DCL Sample No.: QC-142141-1

LCS Concentration Units: ug/Kg

COMPOUND	TARGET CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC QC LIMITS
Aroclor 1016	167.	162.	97.0	53.1-140.
Aroclor 1260	167.	188.	113.	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: 97-00013

SAMPLE NO.
BL-142141-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: AAAASS
DCL Set ID: 97C-0438-01
Matrix: SOIL
DCL Sample ID: BL-142141-1
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-Dec-1997 07:14
Instrument ID (1): ECD-8

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

	CLIENT SAMPLE NO.	DCL SAMPLE NO.	DATE ANALYZED COLUMN 1
01	ZZZNS1	97C05229	21-Dec-1997 03:06
02	ZZZSS1	97C05230	20-Dec-1997 10:46
03	ZZZND1	97C05231	21-Dec-1997 05:57
04	ZZZSD1	97C05232	20-Dec-1997 12:11
05	BBBBSD2	97C05233	20-Dec-1997 12:54
06	BBBBSED(S)	97C05234	20-Dec-1997 13:37
07	BBBBNS1	97C05235	20-Dec-1997 15:02
08	BBBBSS2	97C05236	20-Dec-1997 15:44
09	BBBBNS2	97C05237	20-Dec-1997 16:27
10	BBBBSED(D)	97C05238	21-Dec-1997 12:20
11	BBBBND2	97C05239	21-Dec-1997 13:03
12	BBBBND1	97C05240	20-Dec-1997 18:35
13	BBBBSS1	97C05241	20-Dec-1997 19:18
14	BBBBSD1	97C05242	20-Dec-1997 20:00
15	AAAASS1	97C05243	20-Dec-1997 20:43
16	AAAANS2	97C05244	20-Dec-1997 21:25
17	AAAASS2	97C05245	20-Dec-1997 22:51
18	AAAAND2	97C05246	20-Dec-1997 23:33
19	AAAASED(S)	97C05247	21-Dec-1997 00:16
20	AAAANS3	97C05248	21-Dec-1997 00:58
21	ZZZNS1	97C05229MS	21-Dec-1997 03:49
22	ZZZNS1	97C05229MSD	21-Dec-1997 04:31
23	QC-142141-1	QC-142141-1	20-Dec-1997 07:56

DATA CHEM LABORATORIES
A SORENSON COMPANY

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

☒ IRDMIS	☒ Commercial Forms
☐ Data Review and Approval Form	☐ Analytical or Environmental Report Form
☐ IRDMIS Reports	☐ Set Comments
☐ GC/MS TICs	☐ Applicable QC Sheets

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

00035

Assembled by: _____ 1/2/98 Reviewed by: _____ 1/5/98
Signature Date Signature Date

Rev. 6/95

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
01029814112719
Page 1

G97B7023

DCL Report Group..: 97C-0438-01

Date Printed.....: 02-JAN-98 14:11

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

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-142141-1	NA	NA
LCS	QC-142141-1	NA	NA
ZZZNS1	97C05229	06-NOV-97	07-NOV-97
ZZZNS1	97C05229MS	06-NOV-97	07-NOV-97
ZZZNS1	97C05229MSD	06-NOV-97	07-NOV-97
ZZZSS1	97C05230	06-NOV-97	07-NOV-97
ZZZND1	97C05231	06-NOV-97	07-NOV-97
ZZZSD1	97C05232	06-NOV-97	07-NOV-97
BBBBSD2	97C05233	06-NOV-97	07-NOV-97
BBBBSED(S)	97C05234	06-NOV-97	07-NOV-97
BBBBNS1	97C05235	06-NOV-97	07-NOV-97
BBBBSS2	97C05236	06-NOV-97	07-NOV-97
BBBBNS2	97C05237	06-NOV-97	07-NOV-97
BBBBSED(D)	97C05238	06-NOV-97	07-NOV-97
BBBBND2	97C05239	06-NOV-97	07-NOV-97
BBBBND1	97C05240	06-NOV-97	07-NOV-97
BBBBSS1	97C05241	06-NOV-97	07-NOV-97
BBBBSD1	97C05242	06-NOV-97	07-NOV-97
AAAASS1	97C05243	06-NOV-97	07-NOV-97
AAAANS2	97C05244	06-NOV-97	07-NOV-97
AAAASS2	97C05245	06-NOV-97	07-NOV-97
AAAAND2	97C05246	06-NOV-97	07-NOV-97
AAAASED(S)	97C05247	06-NOV-97	07-NOV-97
AAAANS3	97C05248	06-NOV-97	07-NOV-97

Analyst: J. Chris Taylor — Date 1/2/98

Reviewer: Vicki Hoe-Lin Tsai — Date 1/5/98

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

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

FORM H (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE GROUP COMMENTS

G97B7023

DCL Report Group..: 97C-0438-01
Date Printed.....: 02-JAN-98 14:11

Client Name...: Roy F. Weston

Release Number....: AAAASS

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: PX

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.

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

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
01029814112719
Page 3

S97BC021

Date Printed.....: 02-JAN-98 14:11

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

Date Received.....: Not Applicable

Client Sample Name: **BL-142141-1**
DCL Sample Name...: **BL-142141-1**
DCL Report Group..: **97C-0438-01**

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 07:14	2.95	ND			1.00	6.67
Aroclor 1221	20-DEC-97 07:14	20.90	ND			1.00	33.3
Aroclor 1232	20-DEC-97 07:14	3.68	ND			1.00	6.67
Aroclor 1242	20-DEC-97 07:14	2.53	ND			1.00	6.67
Aroclor 1248	20-DEC-97 07:14	2.30	ND			1.00	6.67
Aroclor 1254	20-DEC-97 07:14	1.54	2.4		J	1.00	6.67
Aroclor 1260	20-DEC-97 07:14	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	19.5	16.7	117.
Tetrachloro-m-xylene	17.5	16.7	105.

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

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
01029814112719
Page 4

S97BC022

Date Printed.....: 02-JAN-98 14:11

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

Date Received.....: Not Applicable

Client Sample Name: **QC-142141-1**
DCL Sample Name...: **QC-142141-1**
DCL Report Group..: **97C-0438-01**

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 07:56	2.95	160			1.00	6.67
Aroclor 1260	20-DEC-97 07:56	1.47	190			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	22.1	16.7	133.
Tetrachloro-m-xylene	20.2	16.7	121.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

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S97B70KW

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZNS1
DCL Sample Name...: 97C05229
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.1

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 03:06	3.6	ND			1.00	8.2
Aroclor 1221	20-DEC-97 08:39	26.	ND			100.	41.
Aroclor 1232	20-DEC-97 08:39	4.5	ND			100.	8.2
Aroclor 1242	20-DEC-97 08:39	3.1	ND			100.	8.2
Aroclor 1248	20-DEC-97 08:39	2.8	ND			100.	8.2
Aroclor 1254	20-DEC-97 08:39	1.9	1200			100.	8.2
Aroclor 1260	20-DEC-97 08:39	1.8	ND			100.	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	49.0	16.7	294.
Tetrachloro-m-xylene	18.2	16.7	109.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70KX

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZNS1
DCL Sample Name...: 97C05229MS
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.1

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 03:49	3.6	270			1.00	8.2
Aroclor 1260	20-DEC-97 09:21	1.8	3700			100.	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	49.9	16.7	300.
Tetrachloro-m-xylene	19.2	16.7	115.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

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S97B70KY

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZNS1
DCL Sample Name...: 97C05229MSD
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.1

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 04:31	3.6	230			1.00	8.2
Aroclor 1260	20-DEC-97 10:04	1.8	3700			100.	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	47.8	16.7	287.
Tetrachloro-m-xylene	18.1	16.7	109.

00042

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70KZ

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZSS1
DCL Sample Name...: 97C05230
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 64.0

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 10:46	4.6	ND			100.	10.
Aroclor 1221	20-DEC-97 10:46	33.	ND			100.	52.
Aroclor 1232	20-DEC-97 10:46	5.8	ND			100.	10.
Aroclor 1242	20-DEC-97 10:46	4.0	ND			100.	10.
Aroclor 1248	20-DEC-97 10:46	3.6	ND			100.	10.
Aroclor 1254	20-DEC-97 10:46	2.4	6600			100.	10.
Aroclor 1260	20-DEC-97 10:46	2.3	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	48.5	16.7	291.
Tetrachloro-m-xylene	13.1	16.7	78.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L0

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZND1
DCL Sample Name...: 97C05231
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:50
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 87.4

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 05:57	3.4	ND			1.00	7.6
Aroclor 1221	21-DEC-97 05:57	24.	ND			1.00	38.
Aroclor 1232	21-DEC-97 05:57	4.2	ND			1.00	7.6
Aroclor 1242	21-DEC-97 05:57	2.9	ND			1.00	7.6
Aroclor 1248	21-DEC-97 05:57	2.6	ND			1.00	7.6
Aroclor 1254	21-DEC-97 05:57	1.8	130			1.00	7.6
Aroclor 1260	21-DEC-97 05:57	1.7	ND			1.00	7.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	20.7	16.7	124.
Tetrachloro-m-xylene	18.3	16.7	110.

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FORM A (TYPE I)
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SAMPLE ANALYSIS DATA SHEET

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S97B70L1

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: ZZZSD1
DCL Sample Name...: 97C05232
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:40
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 39.3

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 12:11	7.5	ND			100.	17.
Aroclor 1221	20-DEC-97 12:11	53.	ND			100.	85.
Aroclor 1232	20-DEC-97 12:11	9.4	ND			100.	17.
Aroclor 1242	20-DEC-97 12:11	6.4	ND			100.	17.
Aroclor 1248	20-DEC-97 12:11	5.9	ND			100.	17.
Aroclor 1254	20-DEC-97 12:11	3.9	9700			100.	17.
Aroclor 1260	20-DEC-97 12:11	3.7	ND			100.	17.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	40.4	16.7	242.
Tetrachloro-m-xylene	13.6	16.7	81.4

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

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S97B70L2

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **BBBBSD2**
DCL Sample Name...: **97C05233**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:10
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 67.9

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 12:54	4.3	ND			100.	9.8
Aroclor 1221	20-DEC-97 12:54	31.	ND			100.	49.
Aroclor 1232	20-DEC-97 12:54	5.4	ND			100.	9.8
Aroclor 1242	20-DEC-97 12:54	3.7	ND			100.	9.8
Aroclor 1248	20-DEC-97 12:54	3.4	ND			100.	9.8
Aroclor 1254	20-DEC-97 12:54	2.3	1200			100.	9.8
Aroclor 1260	20-DEC-97 12:54	2.2	ND			100.	9.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	21.5	16.7	129.
Tetrachloro-m-xylene	14.2	16.7	85.0

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L3

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBSED(S)
DCL Sample Name...: 97C05234
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 74.2

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 13:37	4.0	ND			100.	9.0
Aroclor 1221	20-DEC-97 13:37	28.	ND			100.	45.
Aroclor 1232	20-DEC-97 13:37	5.0	ND			100.	9.0
Aroclor 1242	20-DEC-97 13:37	3.4	ND			100.	9.0
Aroclor 1248	20-DEC-97 13:37	3.1	ND			100.	9.0
Aroclor 1254	20-DEC-97 13:37	2.1	5000			100.	9.0
Aroclor 1260	20-DEC-97 13:37	2.0	ND			100.	9.0

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	29.2	16.7	175.
Tetrachloro-m-xylene	14.0	16.7	83.9

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L4

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBNS1
DCL Sample Name...: 97C05235
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 65.8

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 15:02	4.5	ND			100.	10.
Aroclor 1221	20-DEC-97 15:02	32.	ND			100.	51.
Aroclor 1232	20-DEC-97 15:02	5.6	ND			100.	10.
Aroclor 1242	20-DEC-97 15:02	3.8	ND			100.	10.
Aroclor 1248	20-DEC-97 15:02	3.5	ND			100.	10.
Aroclor 1254	20-DEC-97 15:02	2.3	5300			100.	10.
Aroclor 1260	20-DEC-97 15:02	2.2	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	72.4	16.7	434.
Tetrachloro-m-xylene	18.4	16.7	111.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L5

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **BBBBSS2**
DCL Sample Name...: **97C05236**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 68.2

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 15:44	4.3	ND			100.	9.8
Aroclor 1221	20-DEC-97 15:44	31.	ND			100.	49.
Aroclor 1232	20-DEC-97 15:44	5.4	ND			100.	9.8
Aroclor 1242	20-DEC-97 15:44	3.7	ND			100.	9.8
Aroclor 1248	20-DEC-97 15:44	3.4	ND			100.	9.8
Aroclor 1254	20-DEC-97 15:44	2.3	970			100.	9.8
Aroclor 1260	20-DEC-97 15:44	2.2	ND			100.	9.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	22.8	16.7	137.
Tetrachloro-m-xylene	14.5	16.7	87.2

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L6

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBNS2
DCL Sample Name...: 97C05237
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:02
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 61.9

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 16:27	4.8	ND			100.	11.
Aroclor 1221	20-DEC-97 16:27	34.	ND			100.	54.
Aroclor 1232	20-DEC-97 16:27	5.9	ND			100.	11.
Aroclor 1242	20-DEC-97 16:27	4.1	ND			100.	11.
Aroclor 1248	20-DEC-97 16:27	3.7	ND			100.	11.
Aroclor 1254	20-DEC-97 16:27	2.5	3900			100.	11.
Aroclor 1260	20-DEC-97 16:27	2.4	ND			100.	11.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	43.3	16.7	260.
Tetrachloro-m-xylene	15.5	16.7	92.9

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L7

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBSED(D)
DCL Sample Name...: 97C05238
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 85.2

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 12:20	3.5	ND			1.00	7.8
Aroclor 1221	21-DEC-97 12:20	25.	ND			1.00	39.
Aroclor 1232	21-DEC-97 12:20	4.3	ND			1.00	7.8
Aroclor 1242	21-DEC-97 12:20	3.0	ND			1.00	7.8
Aroclor 1248	21-DEC-97 12:20	2.7	ND			1.00	7.8
Aroclor 1254	21-DEC-97 12:20	1.8	250			1.00	7.8
Aroclor 1260	21-DEC-97 12:20	1.7	ND			1.00	7.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	22.4	16.7	134.
Tetrachloro-m-xylene	19.7	16.7	118.

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

SAMPLE ANALYSIS DATA SHEET

S97B70L8

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBND2
DCL Sample Name...: 97C05239
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 75.9

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 13:03	3.9	ND			1.00	8.8
Aroclor 1221	21-DEC-97 13:03	28.	ND			1.00	44.
Aroclor 1232	21-DEC-97 13:03	4.8	ND			1.00	8.8
Aroclor 1242	21-DEC-97 13:03	3.3	ND			1.00	8.8
Aroclor 1248	21-DEC-97 13:03	3.0	ND			1.00	8.8
Aroclor 1254	21-DEC-97 13:03	2.0	79.			1.00	8.8
Aroclor 1260	21-DEC-97 13:03	1.9	ND			1.00	8.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	0.893	16.7	5.36
Tetrachloro-m-xylene	13.3	16.7	79.7

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

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S97B70L9

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBND1
DCL Sample Name...: 97C05240
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 79.2

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 18:35	3.7	ND			100.	8.4
Aroclor 1221	20-DEC-97 18:35	26.	ND			100.	42.
Aroclor 1232	20-DEC-97 18:35	4.6	ND			100.	8.4
Aroclor 1242	20-DEC-97 18:35	3.2	ND			100.	8.4
Aroclor 1248	20-DEC-97 18:35	2.9	ND			100.	8.4
Aroclor 1254	20-DEC-97 18:35	1.9	760			100.	8.4
Aroclor 1260	20-DEC-97 18:35	1.9	ND			100.	8.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	31.9	16.7	192.
Tetrachloro-m-xylene	20.1	16.7	121.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LB

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: BBBBSS1
DCL Sample Name...: 97C05241
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 65.3

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 19:18	4.5	ND			100.	10.
Aroclor 1221	20-DEC-97 19:18	32.	ND			100.	51.
Aroclor 1232	20-DEC-97 19:18	5.6	ND			100.	10.
Aroclor 1242	20-DEC-97 19:18	3.9	ND			100.	10.
Aroclor 1248	20-DEC-97 19:18	3.5	ND			100.	10.
Aroclor 1254	20-DEC-97 19:18	2.4	2600			100.	10.
Aroclor 1260	20-DEC-97 19:18	2.3	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	51.3	16.7	308.
Tetrachloro-m-xylene	13.0	16.7	77.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LC

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **BBBBSD1**
DCL Sample Name...: **97C05242**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:10
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 41.9

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 20:00	7.0	ND			100.	16.
Aroclor 1221	20-DEC-97 20:00	50.	ND			100.	79.
Aroclor 1232	20-DEC-97 20:00	8.8	ND			100.	16.
Aroclor 1242	20-DEC-97 20:00	6.0	ND			100.	16.
Aroclor 1248	20-DEC-97 20:00	5.5	ND			100.	16.
Aroclor 1254	20-DEC-97 20:00	3.7	9300			100.	16.
Aroclor 1260	20-DEC-97 20:00	3.5	ND			100.	16.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	101.	16.7	603.
Tetrachloro-m-xylene	17.1	16.7	103.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LD

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **AAAASS1**
DCL Sample Name...: **97C05243**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:21
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 50.3

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 20:43	5.9	ND			100.	13.
Aroclor 1221	20-DEC-97 20:43	42.	ND			100.	66.
Aroclor 1232	20-DEC-97 20:43	7.3	ND			100.	13.
Aroclor 1242	20-DEC-97 20:43	5.0	ND			100.	13.
Aroclor 1248	20-DEC-97 20:43	4.6	ND			100.	13.
Aroclor 1254	20-DEC-97 20:43	3.1	7000			100.	13.
Aroclor 1260	20-DEC-97 20:43	2.9	ND			100.	13.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	45.1	16.7	270.
Tetrachloro-m-xylene	14.4	16.7	86.2

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

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S97B70LF

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **AAAANS2**
DCL Sample Name...: **97C05244**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 76.5

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 21:25	3.9	ND			100.	8.7
Aroclor 1221	20-DEC-97 21:25	27.	ND			100.	44.
Aroclor 1232	20-DEC-97 21:25	4.8	ND			100.	8.7
Aroclor 1242	20-DEC-97 21:25	3.3	ND			100.	8.7
Aroclor 1248	20-DEC-97 21:25	3.0	ND			100.	8.7
Aroclor 1254	20-DEC-97 21:25	2.0	3000			100.	8.7
Aroclor 1260	20-DEC-97 21:25	1.9	ND			100.	8.7

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	65.4	16.7	393.
Tetrachloro-m-xylene	17.9	16.7	108.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LG

Date Printed.....: 02-JAN-98 14:11

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

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

Client Sample Name: **AAAASS2**
DCL Sample Name...: **97C05245**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:27
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 53.6

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 22:51	5.5	ND			100.	12.
Aroclor 1221	20-DEC-97 22:51	39.	ND			100.	62.
Aroclor 1232	20-DEC-97 22:51	6.9	ND			100.	12.
Aroclor 1242	20-DEC-97 22:51	4.7	ND			100.	12.
Aroclor 1248	20-DEC-97 22:51	4.3	ND			100.	12.
Aroclor 1254	20-DEC-97 22:51	2.9	6000			100.	12.
Aroclor 1260	20-DEC-97 22:51	2.7	ND			100.	12.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	52.0	16.7	312.
Tetrachloro-m-xylene	14.7	16.7	88.1

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LH

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **AAAAND2**
DCL Sample Name...: **97C05246**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:36
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 78.8

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 23:33	3.7	ND			100.	8.5
Aroclor 1221	20-DEC-97 23:33	27.	ND			100.	42.
Aroclor 1232	20-DEC-97 23:33	4.7	ND			100.	8.5
Aroclor 1242	20-DEC-97 23:33	3.2	ND			100.	8.5
Aroclor 1248	20-DEC-97 23:33	2.9	ND			100.	8.5
Aroclor 1254	20-DEC-97 23:33	2.0	3400			100.	8.5
Aroclor 1260	20-DEC-97 23:33	1.9	ND			100.	8.5

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	71.0	16.7	426.
Tetrachloro-m-xylene	19.4	16.7	117.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LJ

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **AAAASED(S)**
DCL Sample Name...: **97C05247**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:20
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 44.3

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 00:16	6.7	ND			100.	15.
Aroclor 1221	21-DEC-97 00:16	47.	ND			100.	75.
Aroclor 1232	21-DEC-97 00:16	8.3	ND			100.	15.
Aroclor 1242	21-DEC-97 00:16	5.7	ND			100.	15.
Aroclor 1248	21-DEC-97 00:16	5.2	ND			100.	15.
Aroclor 1254	21-DEC-97 00:16	3.5	25000			100.	15.
Aroclor 1260	21-DEC-97 00:16	3.3	ND			100.	15.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	82.0	16.7	492.
Tetrachloro-m-xylene	11.5	16.7	69.1

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

SAMPLE ANALYSIS DATA SHEET

S97B70LK

Date Printed.....: 02-JAN-98 14:11

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: AAAANS3
DCL Sample Name...: 97C05248
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:35
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 69.3

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 00:58	4.3	ND			100.	9.6
Aroclor 1221	21-DEC-97 00:58	30.	ND			100.	48.
Aroclor 1232	21-DEC-97 00:58	5.3	ND			100.	9.6
Aroclor 1242	21-DEC-97 00:58	3.7	ND			100.	9.6
Aroclor 1248	21-DEC-97 00:58	3.3	ND			100.	9.6
Aroclor 1254	21-DEC-97 00:58	2.2	5100			100.	9.6
Aroclor 1260	21-DEC-97 00:58	2.1	ND			100.	9.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	65.4	16.7	392.
Tetrachloro-m-xylene	14.7	16.7	88.2

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

QUALITY CONTROL DATA SHEET
LABORATORY CONTROL SAMPLE (LCS)

S97BC022

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: QC-142141-1
Date Printed.....: 02-JAN-98 14:11

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	20-DEC-97 07:56	167.	162.	97.0	53.1/140.	
PCB 1260	20-DEC-97 07:56	167.	188.	113.	48.0/151.	

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FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S97B70KX

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: **97C05229MS**
Date Printed.....: 02-JAN-98 14:11

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ 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-DEC-97 03:49	49.0	221.	167.	103.	44.0/140.	
PCB 1260	20-DEC-97 09:21	995.	2960	167.	1180	48.1/146.	*

S97B70KY

DCL Sample Name...: **97C05229MSD**

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	21-DEC-97 04:31	187.	82.6	204.	34.5	17.	0.00/15.8	*
PCB 1260	20-DEC-97 10:04	3000	1200	2980	42.0	1.4	0.00/45.9	

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FORM G (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
SURROGATE SUMMARY

G97BC015

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

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

Date Printed.....: 02-JAN-98 14:11

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080

DCL Prep Group....: G97BC015
Preparation Method: 3550A

QC Limit Type.....: Performance

Surrogate Recoveries

Surr. ID	Dibutylchlorendate				Tetrachloro-m-xylene							
QC Limits	37.0/147.				38.4/156.							
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05229	49.0	16.7	294.	*	18.2	16.7	109.					
97C05229MS	49.9	16.7	300.	*	19.2	16.7	115.					
97C05229MSD	47.8	16.7	287.	*	18.1	16.7	109.					
97C05230	48.5	16.7	291.	*	13.1	16.7	78.5					
97C05231	20.7	16.7	124.		18.3	16.7	110.					
97C05232	40.4	16.7	242.	*	13.6	16.7	81.4					
97C05233	21.5	16.7	129.		14.2	16.7	85.0					
97C05234	29.2	16.7	175.	*	14.0	16.7	83.9					
97C05235	72.4	16.7	434.	*	18.4	16.7	111.					
97C05236	22.8	16.7	137.		14.5	16.7	87.2					
97C05237	43.3	16.7	260.	*	15.5	16.7	92.9					
97C05238	22.4	16.7	134.		19.7	16.7	118.					
97C05239	0.893	16.7	5.36	*	13.3	16.7	79.7					
97C05240	31.9	16.7	192.	*	20.1	16.7	121.					
97C05241	51.3	16.7	308.	*	13.0	16.7	77.8					
97C05242	101.	16.7	603.	*	17.1	16.7	103.					
97C05243	45.1	16.7	270.	*	14.4	16.7	86.2					
97C05244	65.4	16.7	393.	*	17.9	16.7	108.					
97C05245	52.0	16.7	312.	*	14.7	16.7	88.1					
97C05246	71.0	16.7	426.	*	19.4	16.7	117.					
97C05247	82.0	16.7	492.	*	11.5	16.7	69.1					
97C05248	65.4	16.7	392.	*	14.7	16.7	88.2					
BL-142141-1	19.5	16.7	117.		17.5	16.7	105.					
QC-142141-1	22.1	16.7	133.		20.2	16.7	121.					

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FORM K
RUN LOG

Form RLIMS63-V1.0
01029813302141
Page 1

R9801000

Run ID.....: R9801000
Start Date.....: 19-DEC-1997 18:28

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Date Printed.....: 2-JAN-1998 13:30

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Sample Name	Dilution	Date Acquired
PCB221_2.0	1	19-DEC-1997 18:28
PCB232_2.0	1	19-DEC-1997 19:11
PCB242_2.0	1	19-DEC-1997 19:53
PCB248_2.0	1	19-DEC-1997 20:36
PCB262-2.0	1	19-DEC-1997 21:18
$1660_2.0	1	19-DEC-1997 22:01
$1660_1.0	1	19-DEC-1997 22:43
$1660_0.20	1	19-DEC-1997 23:26
$1660_0.10	1	20-DEC-1997 00:09
$1660_0.02	1	20-DEC-1997 00:51
ICV_1660_1.0	1	20-DEC-1997 01:34
$1254_2.0	1	20-DEC-1997 02:16
$1254_1.0	1	20-DEC-1997 02:59
$1254_0.20	1	20-DEC-1997 03:41
$1254_0.10	1	20-DEC-1997 04:24
$1254_0.02	1	20-DEC-1997 05:06
ICV_1254_1.0	1	20-DEC-1997 05:49
RINSE	1	20-DEC-1997 06:31
BL-142141-1	1	20-DEC-1997 07:14
QC-142141-1	1	20-DEC-1997 07:56
97C05229	100	20-DEC-1997 08:39
97C05229MS	100	20-DEC-1997 09:21
97C05229MSD	100	20-DEC-1997 10:04
97C05230	100	20-DEC-1997 10:46
97C05231	100	20-DEC-1997 11:29
97C05232	100	20-DEC-1997 12:11
97C05233	100	20-DEC-1997 12:54
97C05234	100	20-DEC-1997 13:37
CCV1660_1_1	1	20-DEC-1997 14:19
97C05235	100	20-DEC-1997 15:02
97C05236	100	20-DEC-1997 15:44
97C05237	100	20-DEC-1997 16:27
97C05238	100	20-DEC-1997 17:10
97C05239	100	20-DEC-1997 17:52
97C05240	100	20-DEC-1997 18:35
97C05241	100	20-DEC-1997 19:18
97C05242	100	20-DEC-1997 20:00
97C05243	100	20-DEC-1997 20:43
97C05244	100	20-DEC-1997 21:25
CCV1660_1_2	1	20-DEC-1997 22:08
97C05245	100	20-DEC-1997 22:51
97C05246	100	20-DEC-1997 23:33
97C05247	100	21-DEC-1997 00:16
97C05248	100	21-DEC-1997 00:58

Sample Name	Dilution	Date Acquired
RINSE	1	21-DEC-1997 01:41
CCV1660_1_3	1	21-DEC-1997 02:24
97C05229	1	21-DEC-1997 03:06
97C05229MS	1	21-DEC-1997 03:49
97C05229MSD	1	21-DEC-1997 04:31
97C05230	1	21-DEC-1997 05:14
97C05231	1	21-DEC-1997 05:57
97C05232	1	21-DEC-1997 06:39
97C05233	1	21-DEC-1997 07:22
97C05234	1	21-DEC-1997 08:04
RINSE	1	21-DEC-1997 08:47
CCV1660_1_4	1	21-DEC-1997 09:30
97C05235	1	21-DEC-1997 10:12
97C05236	1	21-DEC-1997 10:55
97C05237	1	21-DEC-1997 11:38
97C05238	1	21-DEC-1997 12:20
97C05239	1	21-DEC-1997 13:03
97C05240	1	21-DEC-1997 13:45
97C05241	1	21-DEC-1997 14:28
97C05242	1	21-DEC-1997 15:11
97C05243	1	21-DEC-1997 15:53
97C05244	1	21-DEC-1997 16:36
RINSE	1	21-DEC-1997 17:19
CCV1660_1_5	1	21-DEC-1997 18:01
97C05245	1	21-DEC-1997 18:44
97C05246	1	21-DEC-1997 19:26
97C05247	1	21-DEC-1997 20:09
97C05248	1	21-DEC-1997 20:52
RINSE	1	21-DEC-1997 21:34
CCV1660_1_6	1	21-DEC-1997 22:17

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FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
01029813164343
Page 2

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

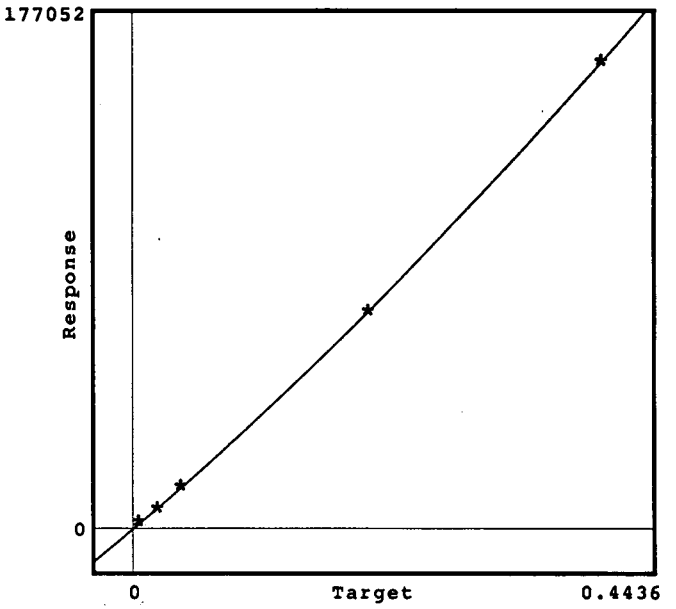
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999810
Formula.....:
$144048.0*X^2 + 341485.0*X + 0.000000$

RT Mean.....: 31.982
RT Std Deviation.: 0.00264

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	31.98	0.00400000	1644	1368.240	-16.77	20-DEC-1997 00:51
$1660_0.10	31.98	0.0200000	6440	6887.330	6.95	20-DEC-1997 00:09
$1660_0.20	31.98	0.0400000	14157	13889.90	-1.89	19-DEC-1997 23:26
$1660_1.0	31.98	0.200000	74037	74059.00	0.03	19-DEC-1997 22:43
$1660_2.0	31.98	0.400000	159646	159642.0	0.00	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
01029813164343
Page 3

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

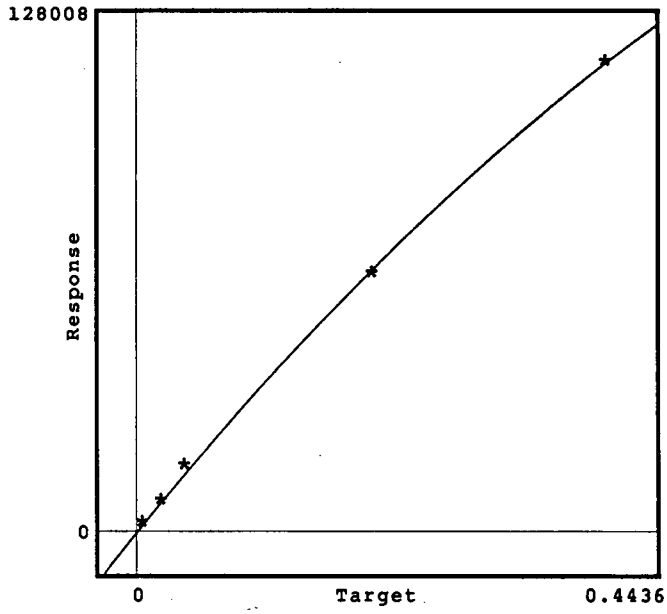
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9994500
Formula.....:
$-168934.0*X^2 + 356234.0*X + 0.000000$

RT Mean.....: 16.610
RT Std Deviation.: 0.006247

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	16.62	0.00400000	1758	1422.230	-19.10	20-DEC-1997 00:51
$1660_0.10	16.61	0.0200000	7351	7057.110	-4.00	20-DEC-1997 00:09
$1660_0.20	16.61	0.0400000	16044	13979.00	-12.87	19-DEC-1997 23:26
$1660_1.0	16.61	0.200000	63677	64489.50	1.28	19-DEC-1997 22:43
$1660_2.0	16.60	0.400000	115646	115464.0	-0.16	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
01029813164343
Page 4

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

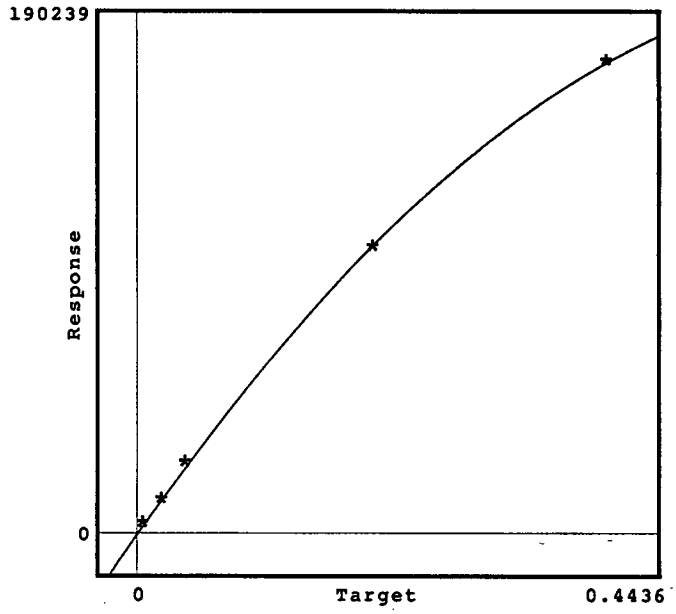
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9997780
Formula.....:
$-461900.0*X^2 + 613834.0*X + 0.000000$

RT Mean.....: 18.400
RT Std Deviation.: 0.004704

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	18.41	0.00400000	3158	2447.940	-22.48	20-DEC-1997 00:51
$1660_0.10	18.40	0.0200000	12192	12091.90	-0.82	20-DEC-1997 00:09
$1660_0.20	18.39	0.0400000	25711	23814.30	-7.38	19-DEC-1997 23:26
$1660_1.0	18.40	0.200000	103561	104291.0	0.70	19-DEC-1997 22:43
$1660_2.0	18.40	0.400000	171793	171629.0	-0.09	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

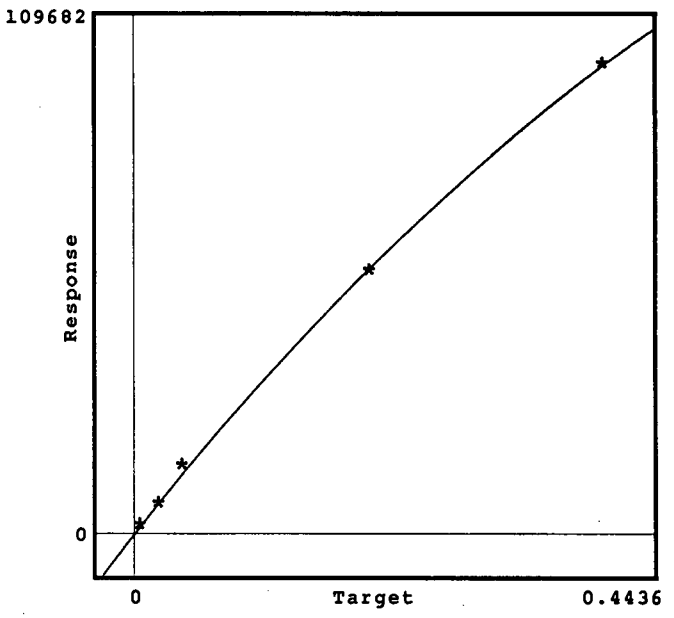
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9995030
Formula.....:
$-159789.0*X^2 + 311257.0*X + 0.000000$

RT Mean.....: 19.660
RT Std Deviation.: 0.004378

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	19.66	0.00400000	1461	1242.470	-14.96	20-DEC-1997 00:51
$1660_0.10	19.66	0.0200000	5862	6161.220	5.10	20-DEC-1997 00:09
$1660_0.20	19.66	0.0400000	13917	12194.60	-12.38	19-DEC-1997 23:26
$1660_1.0	19.66	0.200000	55288	55859.80	1.03	19-DEC-1997 22:43
$1660_2.0	19.66	0.400000	99063	98936.50	-0.13	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

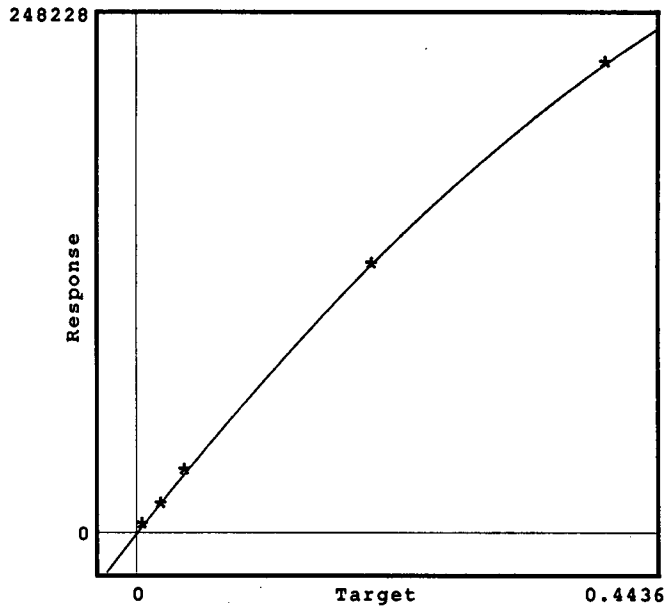
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999220
Formula.....:
$-404706.0*X^2 + 721668.0*X + 0.000000$

RT Mean.....: 20.019
RT Std Deviation.: 0.005752

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	20.03	0.00400000	3272	2880.190	-11.97	20-DEC-1997 00:51
$1660_0.10	20.02	0.0200000	13175	14271.40	8.32	20-DEC-1997 00:09
$1660_0.20	20.01	0.0400000	29395	28219.20	-4.00	19-DEC-1997 23:26
$1660_1.0	20.02	0.200000	127915	128145.0	0.18	19-DEC-1997 22:43
$1660_2.0	20.02	0.400000	223963	223914.0	-0.02	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

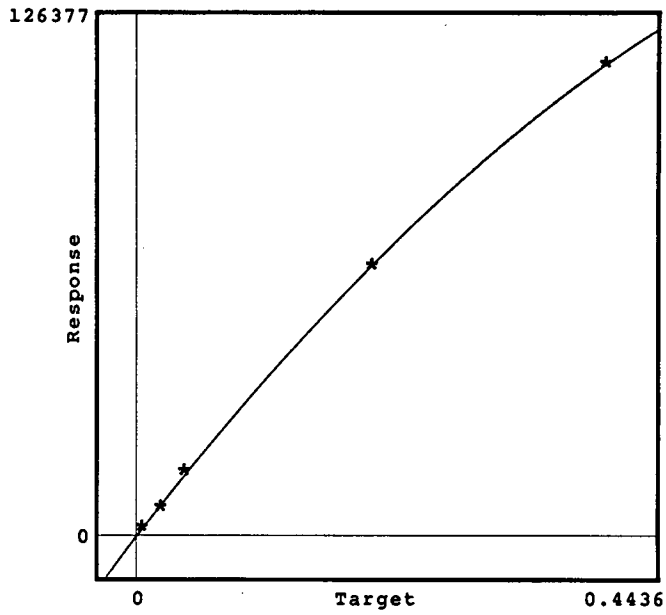
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9998620
Formula.....:
$-210385.0*X^2 + 369152.0*X + 0.000000$

RT Mean.....: 20.695
RT Std Deviation.: 0.00553

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	20.70	0.00400000	1672	1473.240	-11.89	20-DEC-1997 00:51
$1660_0.10	20.70	0.0200000	6623	7298.890	10.21	20-DEC-1997 00:09
$1660_0.20	20.69	0.0400000	15295	14429.40	-5.66	19-DEC-1997 23:26
$1660_1.0	20.70	0.200000	65224	65415.00	0.29	19-DEC-1997 22:43
$1660_2.0	20.69	0.400000	114040	113999.0	-0.04	19-DEC-1997 22:01

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

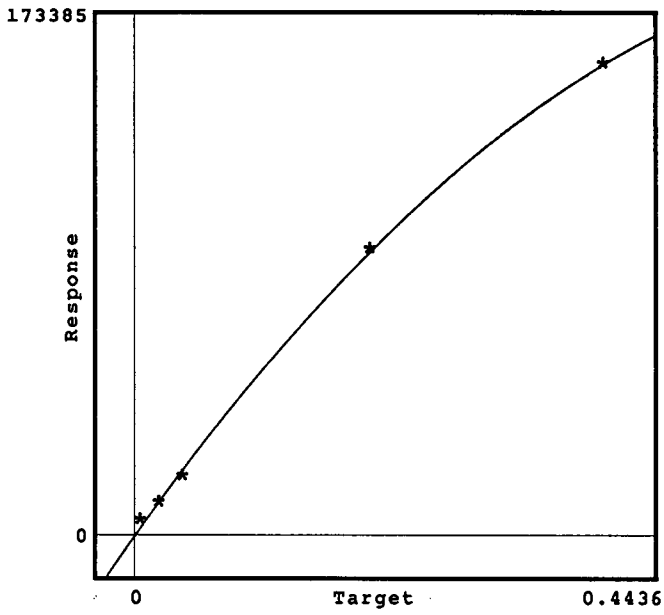
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9993820
Formula.....:
$-389556.0*X^2 + 546871.0*X + 0.000000$

RT Mean.....: 24.383
RT Std Deviation.: 0.003544

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	24.38	0.00400000	4301	2181.250	-49.28	20-DEC-1997 05:06
$1254_0.10	24.39	0.0200000	10173	10781.60	5.98	20-DEC-1997 04:24
$1254_0.20	24.38	0.0400000	18951	21251.50	12.14	20-DEC-1997 03:41
$1254_1.0	24.39	0.200000	94652	93792.10	-0.91	20-DEC-1997 02:59
$1254_2.0	24.38	0.400000	156229	156419.0	0.12	20-DEC-1997 02:16

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

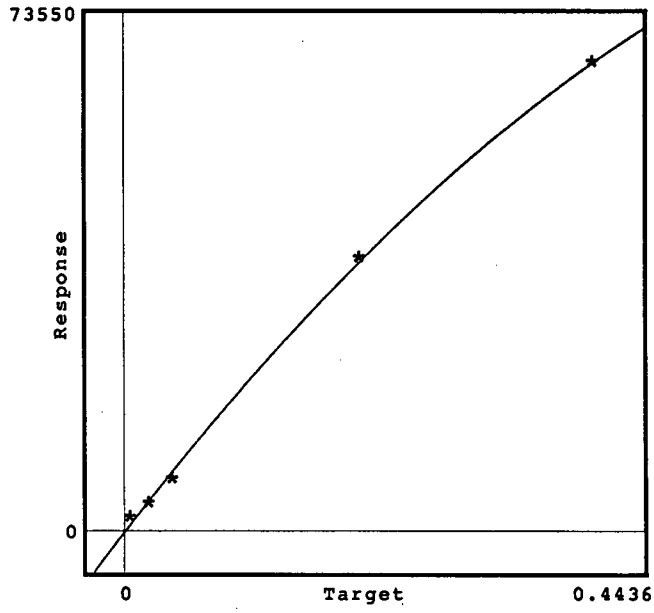
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9991480
Formula.....:
$-121106.0*X^2 + 214308.0*X + 0.000000$

RT Mean.....: 24.985
RT Std Deviation.: 0

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	24.99	0.00400000	1670	855.2960	-48.78	20-DEC-1997 05:06
$1254_0.10	24.99	0.0200000	3747	4237.720	13.10	20-DEC-1997 04:24
$1254_0.20	24.98	0.0400000	7138	8378.560	17.38	20-DEC-1997 03:41
$1254_1.0	24.99	0.200000	38525	38017.40	-1.32	20-DEC-1997 02:59
$1254_2.0	24.98	0.400000	66233	66346.30	0.17	20-DEC-1997 02:16

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

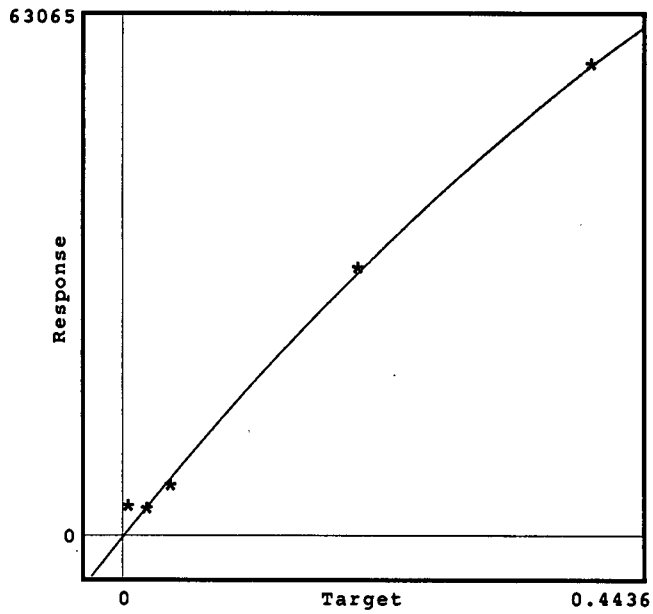
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9963420
Formula.....:
$-85007.10*X^2 + 176216.0*X + 0.000000$

RT Mean.....: 26.112
RT Std Deviation.: 0.005201

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	26.11	0.00400000	3291	703.5040	-78.62	20-DEC-1997 05:06
$1254_0.10	26.11	0.0200000	2983	3490.310	17.01	20-DEC-1997 04:24
$1254_0.20	26.11	0.0400000	5815	6912.630	18.88	20-DEC-1997 03:41
$1254_1.0	26.11	0.200000	32232	31842.90	-1.21	20-DEC-1997 02:59
$1254_2.0	26.11	0.400000	56800	56885.30	0.15	20-DEC-1997 02:16

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

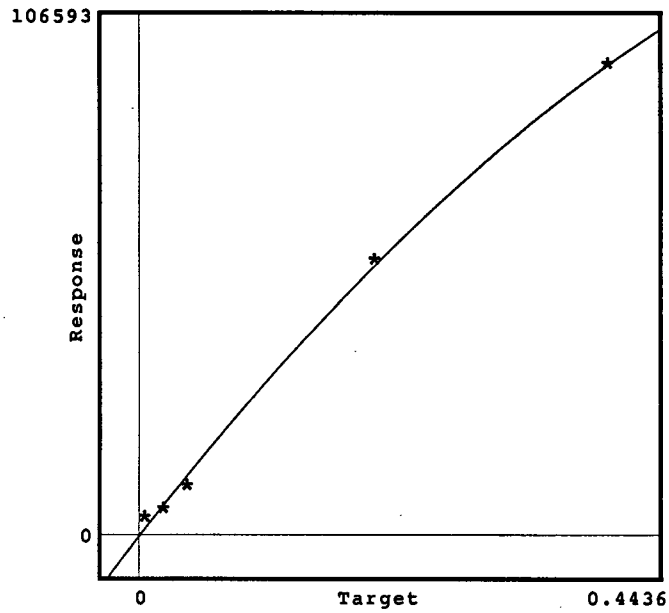
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9982890
Formula.....:
$-169194.0*X^2 + 308056.0*X + 0.000000$

RT Mean.....: 26.371
RT Std Deviation.: 0.003605

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	26.37	0.00400000	3269	1229.520	-62.39	20-DEC-1997 05:06
$1254_0.10	26.37	0.0200000	5007	6093.450	21.70	20-DEC-1997 04:24
$1254_0.20	26.37	0.0400000	9780	12051.50	23.23	20-DEC-1997 03:41
$1254_1.0	26.37	0.200000	55787	54843.50	-1.69	20-DEC-1997 02:59
$1254_2.0	26.37	0.400000	95941	96151.60	0.22	20-DEC-1997 02:16

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

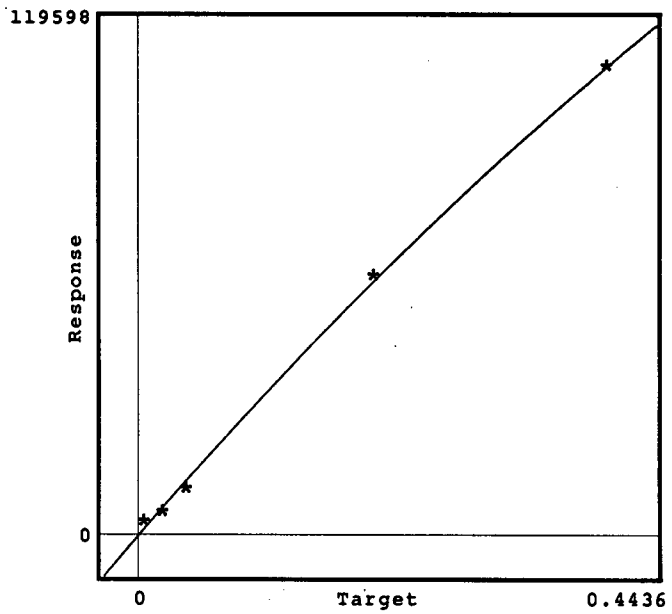
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9988130
Formula.....:
$-105949.0*X^2 + 312055.0*X + 0.000000$

RT Mean.....: 27.350
RT Std Deviation.: 0.003749

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	27.35	0.00400000	2601	1246.520	-52.08	20-DEC-1997 05:06
$1254_0.10	27.35	0.0200000	4768	6198.730	30.01	20-DEC-1997 04:24
$1254_0.20	27.35	0.0400000	10072	12312.70	22.25	20-DEC-1997 03:41
$1254_1.0	27.35	0.200000	59198	58173.10	-1.73	20-DEC-1997 02:59
$1254_2.0	27.34	0.400000	107640	107870.0	0.21	20-DEC-1997 02:16

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

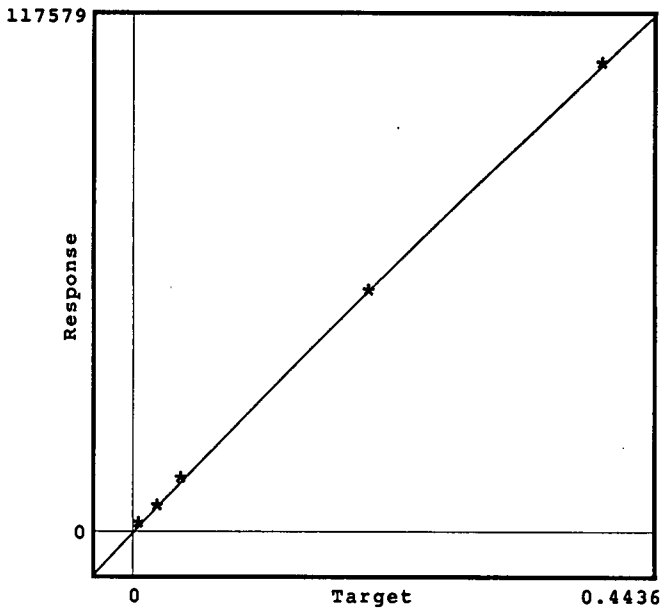
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999240
Formula.....:
$-39644.90*X^2 + 280954.0*X + 0.000000$

RT Mean.....: 27.906
RT Std Deviation.: 0

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	27.91	0.00400000	1506	1123.180	-25.42	20-DEC-1997 00:51
$1660_0.10	27.91	0.0200000	5467	5603.220	2.49	20-DEC-1997 00:09
$1660_0.20	27.90	0.0400000	11799	11174.70	-5.29	19-DEC-1997 23:26
$1660_1.0	27.91	0.200000	54391	54605.00	0.39	19-DEC-1997 22:43
$1660_2.0	27.91	0.400000	106086	106038.0	-0.04	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

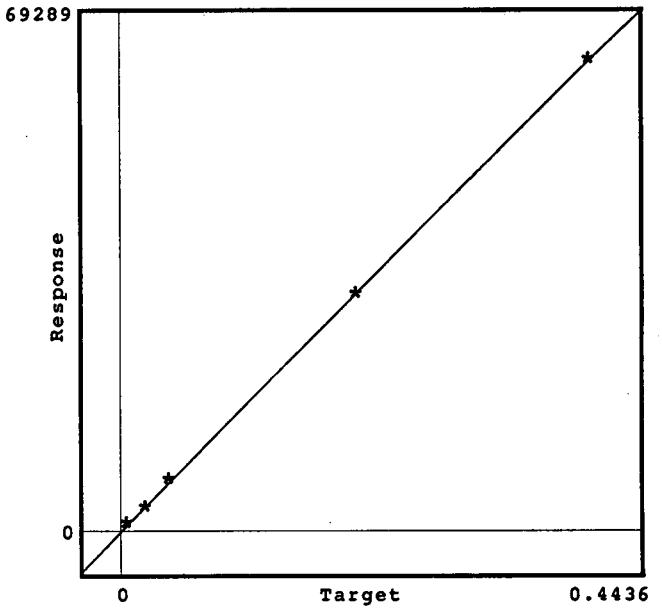
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999220
Formula.....:
$-9498.580*X^2 + 160015.0*X + 0.000000$

RT Mean.....: 29.295
RT Std Deviation.: 0.004098

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	29.30	0.00400000	820	639.9080	-21.96	20-DEC-1997 00:51
$1660_0.10	29.30	0.0200000	3060	3196.500	4.46	20-DEC-1997 00:09
$1660_0.20	29.29	0.0400000	6774	6385.410	-5.74	19-DEC-1997 23:26
$1660_1.0	29.30	0.200000	31502	31623.10	0.38	19-DEC-1997 22:43
$1660_2.0	29.30	0.400000	62513	62486.30	-0.04	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

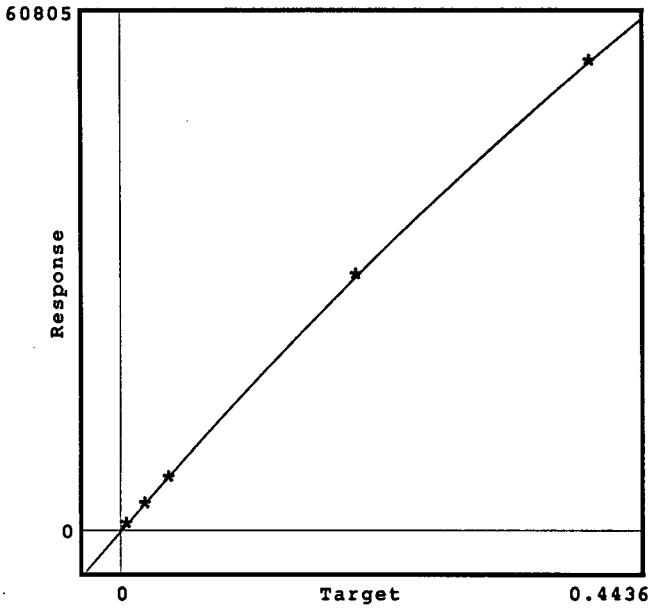
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999520
Formula.....:
$-51224.40*X^2 + 157595.0*X + 0.000000$

RT Mean.....: 24.663
RT Std Deviation.: 0.005856

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	24.67	0.00400000	580	629.5610	8.55	20-DEC-1997 00:51
$1660_0.10	24.66	0.0200000	2908	3131.410	7.68	20-DEC-1997 00:09
$1660_0.20	24.66	0.0400000	6026	6221.850	3.25	19-DEC-1997 23:26
$1660_1.0	24.66	0.200000	29585	29470.00	-0.39	19-DEC-1997 22:43
$1660_2.0	24.66	0.400000	54816	54842.20	0.05	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

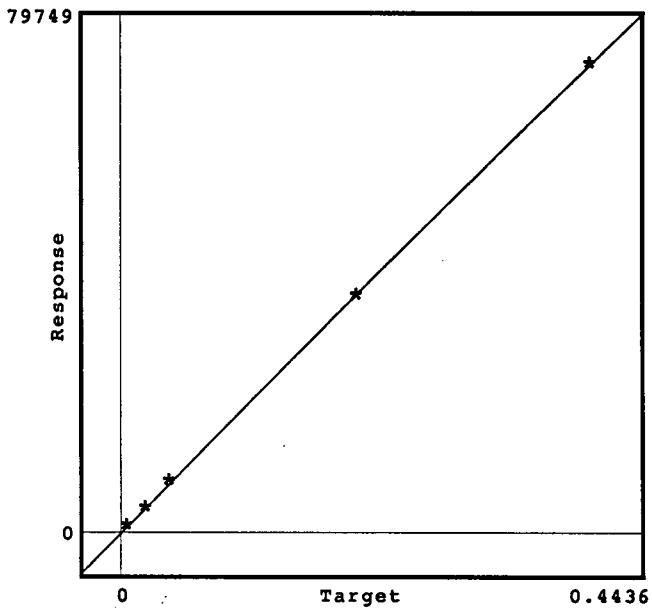
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9999350
Formula.....:
$-11117.00*X^2 + 184246.0*X + 0.000000$

RT Mean.....: 26.801
RT Std Deviation.: 0

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	26.80	0.00400000	925	736.8070	-20.35	20-DEC-1997 00:51
$1660_0.10	26.80	0.0200000	3675	3680.480	0.15	20-DEC-1997 00:09
$1660_0.20	26.80	0.0400000	7772	7352.060	-5.40	19-DEC-1997 23:26
$1660_1.0	26.80	0.200000	36247	36404.60	0.43	19-DEC-1997 22:43
$1660_2.0	26.80	0.400000	71955	71919.80	-0.05	19-DEC-1997 22:01

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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

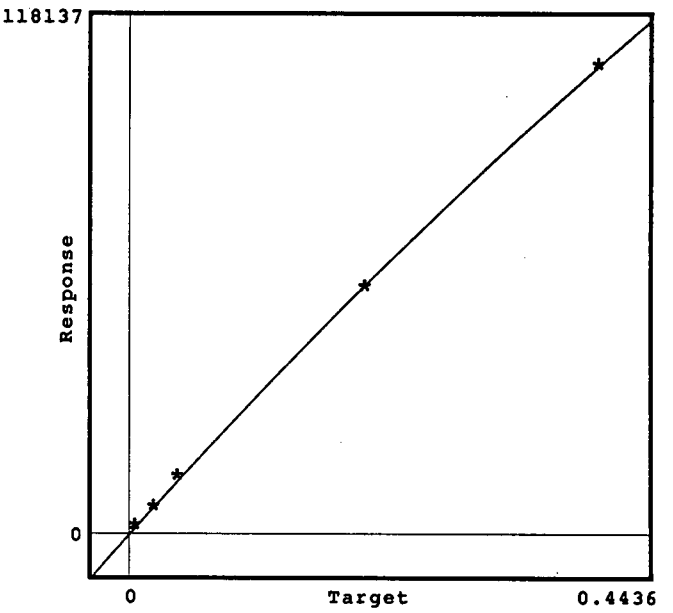
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9998240
Formula.....:
$-81390.30*X^2 + 298926.0*X + 0.000000$

RT Mean.....: 27.537
RT Std Deviation.: 0.001427

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	27.54	0.00400000	1574	1194.400	-24.12	20-DEC-1997 00:51
$1660_0.10	27.54	0.0200000	5974	5945.970	-0.47	20-DEC-1997 00:09
$1660_0.20	27.53	0.0400000	12875	11826.80	-8.14	19-DEC-1997 23:26
$1660_1.0	27.54	0.200000	56132	56529.60	0.71	19-DEC-1997 22:43
$1660_2.0	27.54	0.400000	106637	106548.0	-0.08	19-DEC-1997 22:01

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C9801000

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

Date Printed.....: 2-JAN-1998 13:16

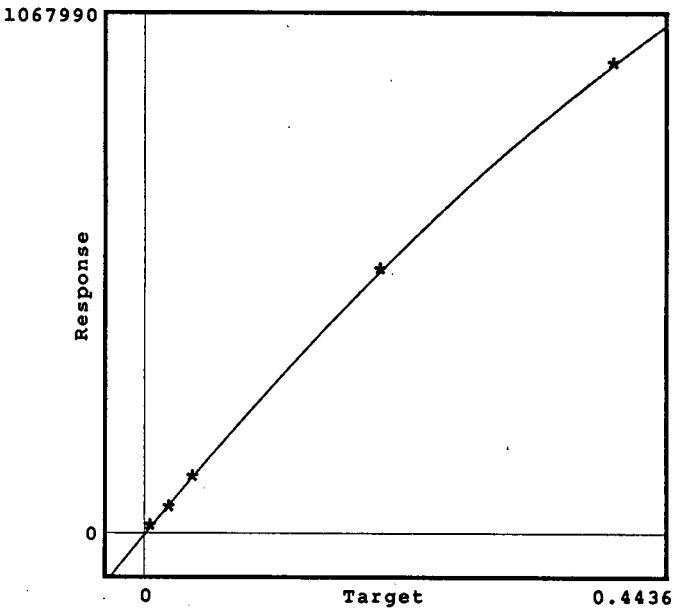
Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Model.....: Quadratic
Coef of Deter(r^2): 0.9998890
Formula.....:
$-1332780.*X^2 + 2941420.*X + 0.000000$

RT Mean.....: 13.869
RT Std Deviation.: 0.004956

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.02	13.88	0.00400000	11968	11744.30	-1.87	20-DEC-1997 00:51
$1660_0.10	13.87	0.0200000	50376	58295.40	15.72	20-DEC-1997 00:09
$1660_0.20	13.87	0.0400000	113137	115524.0	2.11	19-DEC-1997 23:26
$1660_1.0	13.87	0.200000	537329	534973.0	-0.44	19-DEC-1997 22:43
$1660_2.0	13.86	0.400000	962779	963324.0	0.06	19-DEC-1997 22:01

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N1
INITIAL CALIBRATION VERIFICATION

R9801000

Sample Name.....: ICV_1660_1.0
Acquisition Date.: 20-DEC-1997 01:34

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:16

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1016	16.60	16.55	16.65		0.200000	0.378181	89	25	*
PCB 1016	18.40	18.35	18.45		0.200000	0.245832	23	25	
PCB 1016	19.66	19.61	19.71		0.200000	0.252952	26	25	*
PCB 1016	20.01	19.94	20.08		0.200000	0.253574	27	25	*
PCB 1260	24.66	24.61	24.71		0.200000	0.184034	-8	25	
PCB 1260	26.80	26.75	26.85		0.200000	0.254267	27	25	*
PCB 1260	27.54	27.49	27.59		0.200000	0.256750	28	25	*
PCB 1260	27.91	27.86	27.96		0.200000	0.255965	28	25	*
PCB 1260	29.30	29.25	29.35		0.200000	0.269169	35	25	*

* Failed acceptance criteria.

PCB1016	20.69	20.64	20.74	0.200000	0.2511	26	*

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N1
INITIAL CALIBRATION VERIFICATION

R9801000

Sample Name.....: ICV_1254_1.0
Acquisition Date.: 20-DEC-1997 05:49

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:16

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1254	24.39	24.34	24.44		0.200000	0.155009	-22	25	
PCB 1254	24.99	24.94	25.04		0.200000	0.137628	-31	25	*
PCB 1254	26.11	26.06	26.16		0.200000	0.138557	-31	25	*
PCB 1254	26.37	26.32	26.42		0.200000	0.146218	-27	25	*
PCB 1254	27.35	27.29	27.39		0.200000	0.146937	-27	25	*

* Failed acceptance criteria.

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DATA CHEM LABORATORIES
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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
01029813230157
Page 3

R9801000

Sample Name.....: CCV1660_1_1
Acquisition Date.: 20-DEC-1997 14:19

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.88	13.82	13.92		0.200000	0.203038	2	15	
PCB 1016	16.61	16.55	16.65		0.200000	0.193273	-3	15	
PCB 1016	18.41	18.35	18.45		0.200000	0.196443	-2	15	
PCB 1016	19.67	19.61	19.71		0.200000	0.196411	-2	15	
PCB 1016	20.03	19.94	20.08		0.200000	0.188432	-6	15	
PCB 1260	24.67	24.61	24.71		0.200000	0.200547	0	15	
PCB 1260	26.81	26.75	26.85		0.200000	0.198968	-1	15	
PCB 1260	27.55	27.49	27.59		0.200000	0.204110	2	15	
PCB 1260	27.92	27.86	27.96		0.200000	0.201347	1	15	
PCB 1260	29.30	29.25	29.35		0.200000	0.207838	4	15	
Dibutylchlorendate	31.98	31.96	32.14		0.200000	0.215733	8	15	
PCB1016	20.70	20.65	20.75		0.200000	0.1845	8	15	

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DATA CHEM LABORATORIES
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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
01029813230157
Page 4

R9801000

Sample Name.....: CCV1660_1_2
Acquisition Date.: 20-DEC-1997 22:08

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.88	13.82	13.92		0.200000	0.210907	5	15	
PCB 1016	16.62	16.55	16.65		0.200000	0.195706	-2	15	
PCB 1016	18.41	18.35	18.45		0.200000	0.197655	-1	15	
PCB 1016	19.66	19.61	19.71		0.200000	0.196543	-2	15	
PCB 1016	20.03	19.94	20.08		0.200000	0.190273	-5	15	
PCB 1260	24.67	24.61	24.71		0.200000	0.199569	0	15	
PCB 1260	26.81	26.75	26.85		0.200000	0.199947	0	15	
PCB 1260	27.54	27.49	27.59		0.200000	0.204256	2	15	
PCB 1260	27.92	27.86	27.96		0.200000	0.199246	0	15	
PCB 1260	29.30	29.25	29.35		0.200000	0.209851	5	15	
Dibutylchlorendate	31.99	31.96	32.14		0.200000	0.222833	11	15	
PCB 1016	20.70	20.65	20.75		0.200000	0.1798	10	15	

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
01029813230157
Page 5

R9801000

Sample Name.....: CCV1660_1_3
Acquisition Date.: 21-DEC-1997 02:24

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.87	13.82	13.92		0.200000	0.209716	5	15	
PCB 1016	16.61	16.55	16.65		0.200000	0.191055	-4	15	
PCB 1016	18.40	18.35	18.45		0.200000	0.192762	-4	15	
PCB 1016	19.66	19.61	19.71		0.200000	0.192901	-4	15	
PCB 1016	20.02	19.94	20.08		0.200000	0.179558	-10	15	
PCB 1260	24.67	24.61	24.71		0.200000	0.193154	-3	15	
PCB 1260	26.80	26.75	26.85		0.200000	0.196605	-2	15	
PCB 1260	27.54	27.49	27.59		0.200000	0.204708	2	15	
PCB 1260	27.92	27.86	27.96		0.200000	0.196995	-2	15	
PCB 1260	29.30	29.25	29.35		0.200000	0.210742	5	15	
Dibutylchlorendate	31.98	31.96	32.14		0.200000	0.234594	17	15	*

* Failed acceptance criteria.

PCB1016 20.70 20.65 20.75 0.200000 .1749 13 15

00087

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
01029813230157
Page 6

R9801000

Sample Name.....: CCV1660_1_4
Acquisition Date.: 21-DEC-1997 09:30

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.87	13.82	13.92		0.200000	0.210221	5	15	
PCB 1016	16.61	16.55	16.65		0.200000	0.197677	-1	15	
PCB 1016	18.40	18.35	18.45		0.200000	0.200145	0	15	
PCB 1016	19.66	19.61	19.71		0.200000	0.200785	0	15	
PCB 1016	20.02	19.94	20.08		0.200000	0.193325	-3	15	
PCB 1260	24.67	24.61	24.71		0.200000	0.203022	2	15	
PCB 1260	26.80	26.75	26.85		0.200000	0.208800	4	15	
PCB 1260	27.54	27.49	27.59		0.200000	0.213281	7	15	
PCB 1260	27.91	27.86	27.96		0.200000	0.214343	7	15	
PCB 1260	29.30	29.25	29.35		0.200000	0.222371	11	15	
Dibutylchlorendate	31.98	31.96	32.14		0.200000	0.250608	25	15	*

* Failed acceptance criteria.

PCB 1016 20.7 20.65 20.75 0.200000 0.1897 5 15

00088

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DATA CHEM LABORATORIES
A Sorenson Company

FORM N2
CONTINUING CALIBRATION VERIFICATION

R9801000

Sample Name.....: CCV1660_1_5
Acquisition Date.: 21-DEC-1997 18:01

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.87	13.82	13.92		0.200000	0.205871	3	15	
PCB 1016	16.61	16.55	16.65		0.200000	0.195096	-2	15	
PCB 1016	18.41	18.35	18.45		0.200000	0.198451	-1	15	
PCB 1016	19.66	19.61	19.71		0.200000	0.196841	-2	15	
PCB 1016	20.03	19.94	20.08		0.200000	0.187000	-6	15	
PCB 1260	24.67	24.61	24.71		0.200000	0.198206	-1	15	
PCB 1260	26.80	26.75	26.85		0.200000	0.199852	0	15	
PCB 1260	27.54	27.49	27.59		0.200000	0.204460	2	15	
PCB 1260	27.91	27.86	27.96		0.200000	0.203121	2	15	
PCB 1260	29.30	29.25	29.35		0.200000	0.212171	6	15	
Dibutylchlorendate	31.98	31.96	32.14		0.200000	0.239102	20	15	*

* Failed acceptance criteria.

PCB 1016 20.70 20.65 20.75 0.200000 0.1865 7 15

00089

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
01029813230157
Page 8

R9801000

Sample Name.....: CCV1660_1_6
Acquisition Date.: 21-DEC-1997 22:17

Method.....: 8080A

Init Calib ID....: C9801000
Init Calib Date..: 19-DEC-1997 22:01

Calibration Units: ug/ml

Date Printed.....: 2-JAN-1998 13:23

Instrument Name..: GC/ECD-8
Column Name.....: DB-608
Detector Name....: ECD

Run ID.....: R9801000
Run Start Date...: 19-DEC-1997 18:28

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	13.87	13.82	13.92		0.200000	0.210611	5	15	
PCB 1016	16.61	16.55	16.65		0.200000	0.195296	-2	15	
PCB 1016	18.40	18.35	18.45		0.200000	0.194850	-3	15	
PCB 1016	19.66	19.61	19.71		0.200000	0.192177	-4	15	
PCB 1016	20.02	19.94	20.08		0.200000	0.177380	-11	15	
PCB 1260	24.66	24.61	24.71		0.200000	0.179652	-10	15	
PCB 1260	26.80	26.75	26.85		0.200000	0.180210	-10	15	
PCB 1260	27.54	27.49	27.59		0.200000	0.182915	-9	15	
PCB 1260	27.91	27.86	27.96		0.200000	0.182584	-9	15	
PCB 1260	29.29	29.25	29.35		0.200000	0.188587	-6	15	
Dibutylchlorendate	31.98	31.96	32.14		0.200000	0.216608	8	15	
PCB 1016	20.70	20.65	20.75		0.200000	0.1791	10	15	

00090

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DATA CHEM LABORATORIES
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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
- [MA] Copy of numbered Nonconformance/Corrective Action Report (NC/CAR)
- [MA] 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."

00091

Assembled by: _____ 1/2/98 Reviewed by: _____ 1/5/98
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: G97BC015

Group ID: G97BC015

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142141-1	BL-142141-1		S97BC021	97C-0438-01	03008
2	QC-142141-1	QC-142141-1		S97BC022	97C-0438-01	03008
3	97C05229	ZZZNS1		S97B70KW	97C-0438-01	03008
4	97C05229MS	ZZZNS1		S97B70KX	97C-0438-01	03008
5	97C05229MSD	ZZZNS1		S97B70KY	97C-0438-01	03008
6	97C05230	ZZZSS1		S97B70KZ	97C-0438-01	03008
7	97C05231	ZZZND1		S97B70L0	97C-0438-01	03008
8	97C05232	ZZZSD1		S97B70L1	97C-0438-01	03008
9	97C05233	BBBBSD2		S97B70L2	97C-0438-01	03008
10	97C05234	BBBBSED(S)		S97B70L3	97C-0438-01	03008
11	97C05235	BBBBNS1		S97B70L4	97C-0438-01	03008
12	97C05236	BBBBSS2		S97B70L5	97C-0438-01	03008
13	97C05237	BBBBNS2		S97B70L6	97C-0438-01	03008
14	97C05238	BBBBSED(D)		S97B70L7	97C-0438-01	03008
15	97C05239	BBBBND2		S97B70L8	97C-0438-01	03008
16	97C05240	BBBBND1		S97B70L9	97C-0438-01	03008
17	97C05241	BBBBSS1		S97B70LB	97C-0438-01	03008
18	97C05242	BBBBSD1		S97B70LC	97C-0438-01	03008
19	97C05243	AAAASS1		S97B70LD	97C-0438-01	03008
20	97C05244	AAAANS2		S97B70LF	97C-0438-01	03008
21	97C05245	AAAASS2		S97B70LG	97C-0438-01	03008
22	97C05246	AAAAND2		S97B70LH	97C-0438-01	03008
23	97C05247	AAAASED(S)		S97B70LJ	97C-0438-01	03008
24	97C05248	AAAANS3		S97B70LK	97C-0438-01	03008

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

DataChem Laboratories
LIMS - Sample Master System
Analysis Group Report

Date: 2-JAN-1998 12:06
User: TAYLORC

RLIMS15-V1.2

Analysis Run Name: G980100J

Group ID: G980100J

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142141-1	BL-142141-1		S97BC021	97C-0438-01	03008
2	QC-142141-1	QC-142141-1		S97BC022	97C-0438-01	03008
3	97C05229	ZZZNS1		S97B70KW	97C-0438-01	03008
4	97C05229MS	ZZZNS1		S97B70KX	97C-0438-01	03008
5	97C05229MSD	ZZZNS1		S97B70KY	97C-0438-01	03008
6	97C05230	ZZZSS1		S97B70KZ	97C-0438-01	03008
7	97C05231	ZZZND1		S97B70L0	97C-0438-01	03008
8	97C05232	ZZZSD1		S97B70L1	97C-0438-01	03008
9	97C05233	BBBBSD2		S97B70L2	97C-0438-01	03008
10	97C05234	BBBBSED(S)		S97B70L3	97C-0438-01	03008
11	97C05235	BBBBNS1		S97B70L4	97C-0438-01	03008
12	97C05236	BBBBSS2		S97B70L5	97C-0438-01	03008
13	97C05237	BBBBNS2		S97B70L6	97C-0438-01	03008
14	97C05238	BBBBSED(D)		S97B70L7	97C-0438-01	03008
15	97C05239	BBBBND2		S97B70L8	97C-0438-01	03008
16	97C05240	BBBBND1		S97B70L9	97C-0438-01	03008
17	97C05241	BBBBSS1		S97B70LB	97C-0438-01	03008
18	97C05242	BBBBSD1		S97B70LC	97C-0438-01	03008
19	97C05243	AAAASS1		S97B70LD	97C-0438-01	03008
20	97C05244	AAAANS2		S97B70LF	97C-0438-01	03008
21	97C05245	AAAASS2		S97B70LG	97C-0438-01	03008
22	97C05246	AAAAND2		S97B70LH	97C-0438-01	03008
23	97C05247	AAAASED(S)		S97B70LJ	97C-0438-01	03008
24	97C05248	AAAANS3		S97B70LK	97C-0438-01	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-0438 * | **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	ZZZNS1	97C05229			SOIL						X	X	X							1
6-Nov-1997	ZZZNS1	97C05229MS		MS	SOIL						X									1
6-Nov-1997	ZZZNS1	97C05229MSD		MSD	SOIL						X									1
6-Nov-1997	ZZZSS1	97C05230			SOIL						X	X	X							1
6-Nov-1997	ZZZND1	97C05231			SOIL						X	X	X							1
6-Nov-1997	ZZZSD1	97C05232			SOIL						X	X	X							1
6-Nov-1997	BBBBSD2	97C05233			SOIL						X	X	X							1
6-Nov-1997	BBBBSED(S)	97C05234			SOIL						X	X	X							1
6-Nov-1997	BBBBNS1	97C05235			SOIL						X	X	X							1
6-Nov-1997	BBBBSS2	97C05236			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 CP
R-231	11-12-97 2200	Walk-in/ Room/ Shelf/ Fridge	Storage: GM

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: 8080 PCB | Lab Notebook No.: 134 e/076

Prepared/Analyzed by: Kevin Noltemeyer | Date/Time: 11/13/97 15:30

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Kevin Noltemeyer	11/13/97 15:30		Ext PCBs
	11/15/97 1300	Barbara Hopkins	Filter
Barbara Hopkins	11-16-97 0015	Kevin Noltemeyer	conc
Kevin Noltemeyer	11-16-97 0345	R-16-1C	storage / R-16-1C
R-16-1C	11-21-97 1200		8080A Analysis / R-72

Check box if there is a continuation page ☐

Printed 11/8/1997 14:32

Form: CO[illegible].01-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-0438 * | 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	BBBBNS2	97C05237			SOIL						X	X	X							1
6-Nov-1997	BBBBSED(D)	97C05238			SOIL						X	X	X							1
6-Nov-1997	BBBBND2	97C05239			SOIL						X	X	X							1
6-Nov-1997	BBBBND1	97C05240			SOIL						X	X	X							1
6-Nov-1997	BBBBSS1	97C05241			SOIL						X	X	X							1
6-Nov-1997	BBBBSD1	97C05242			SOIL						X	X	X							1
6-Nov-1997	AAAASS1	97C05243			SOIL						X	X	X							1
6-Nov-1997	AAAANS2	97C05244			SOIL						X	X	X							1
6-Nov-1997	AAAASS2	97C05245			SOIL						X	X	X							1
6-Nov-1997	AAAAND2	97C05246			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 CP1
R-23-1 11-12-97	11-12-97 2200	Walk-in/ Room/ Shelf/ Fridge	Storage: EX7

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: 8080 Lab Notebook No.: 154/076

Prepared/Analyzed by: Date/Time: 11/13/97

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
	11/15/97 1300	Barbara Hopkins	Filter
Barbara Hopkins	0015 11-16-97		CONC
	0345 11-16-97	R-16-1C	Storage/ R-16-1C
R-16-1C	11-21-97 1200		8080A Analysis R-72-1

Check Box if there is a continuation page ☐

Form: CORE 1.01-SWV2.30

Printed 11/8/1997 14:33

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-0438 * | **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 (Decanted)	03 Solids (Total)							# Bottles
6-Nov-1997	AAAASED(S)	97C05247			SOIL						X	X	X							1
6-Nov-1997	AAAANS3	97C05248			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 McMillan for	11-10-97 1230	R231	Labeling/Shelving CP1
R-231	11-12-97 2200	Walk-in/ Room/ Shelf/ Fridge Kevin Nottemeyer	Storage: EXT

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: 8080 | Lab Notebook No.: 194/076

Prepared/Analyzed by: [signature] | Date/Time: 11/13/97 15:30

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
[signature]	11/15/97 1300	Barbara Hopkins	Filter
Barbara Hopkins	0015 11-16-97	Kevin Nottemeyer	CONC
Kevin Nottemeyer	0345 11-16-97	R-16-1C	STORAGE/R-16-1C
R-16-1C	11-21-97 1200	[signature]	8080A Analysis R-22-1

Check if there is a continuation page ☐

Form: COC01-SWV2.30

Printed 11/8/1997 14:33

Sample Work Order

QC Clearance: _____
Project Manager: Scott B. Saulls
Client: Roy F. Weston
Account: 03008 **SDG:** AAAASS
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-0438 *
DCL Lab. Name: 97C05229–97C05248
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

00097

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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 ARF + uncorrected PCBs Report

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.

00098

Assembled by: _____ (Signature) 1/2/98 (Date) Reviewed by: _____ (Signature) 1/5/98 (Date)

Rev. 6/95

Date Set Extracted: Nov 13. 1997
Account No.: 3008
DCL Set No.: 97C-0438.01
Group ID/Lot: G97BC05

DATACHEM LABORATORIES EXTRACTION NOTEBOOK

Book No. EXT 194 Page No. 076
Sample Medium: Soil
Extraction Method: 8080 PCB's/3550

	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	Blank	Bl.142141.1	-				1.0 ml	-	N/A	N/A	10 ml
2	L.C.S	QC.142141.1	-					1.0 ml			
3	97C05229	ZZZNS1	30.0g					-			
4	29 ms							1.0 ml			
5	29 msd	[illegible]						1.0 ml			
6	30	ZZZSS1						-			
7	31	ND1						-			
8	32	[illegible] SD1						-			
9	33	BBBBSD2			N/A			-			
10	34	SED(S)						-			
11	35	NS1						-			
12	36	SS2						-			
13	37	NS2						-			
14	38	SED(D)						-			
15	39	ND2						-			
16	40	ND1						-			
17	41	SS1						-			
18	42	[illegible] SD1						-			
19	43	AAAASS1						-			
20	44	NS2						-			
21	45	SS2						-			
22	46	ND2						-			
23	47	SED(S)						-			
24	48	NS3						-			
25	[illegible]	[illegible]	[illegible]				[illegible]		[illegible]	[illegible]	[illegible]

Solvents (+Lot #): MeCl2 B&J lot B0090
Acetone. lot: 967647
Hexane. lot: B207

Balance ID: 38110013

Surrogate Std. Ref. No.: 157WS31221 Spiked by: S.B. [illegible]
Matrix Spike No.: 138WS27535 Spiked by: [illegible]
Matrix Spike No.: N/A Spiked by: N/A
Extractionist: Boming Yang Date: 11.13.97
Checker: [illegible] Date: 11-17-97

Sonicator Tuned by: [illegible] Date: 11.13.
Comments: Sonication Extraction

00099

NCR or CPR

* = Entry

TITLE Roy F. Weston SDG# AAAAAS Project No. 03008 Book No. 3161

DATA CHEM LABORATORIES

Date: 2-JAN-1998 12:06
User: TAYLORC

Page: 1
RLIMS15-V1.2

Analysis Run Name: G980100J

Group ID: G980100J

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142141-1	BL-142141-1		S97BC021	97C-0438-01	03008
2	QC-142141-1	QC-142141-1		S97BC022	97C-0438-01	03008
3	97C05229	ZZZNS1		S97B70KW	97C-0438-01	03008
4	97C05229MS	ZZZNS1		S97B70KX	97C-0438-01	03008
5	97C05229MSD	ZZZNS1		S97B70KY	97C-0438-01	03008
6	97C05230	ZZZSS1		S97B70KZ	97C-0438-01	03008
7	97C05231	ZZZND1		S97B70L0	97C-0438-01	03008
8	97C05232	ZZZSD1		S97B70L1	97C-0438-01	03008
9	97C05233	BBBBSD2		S97B70L2	97C-0438-01	03008
10	97C05234	BBBBSED(S)		S97B70L3	97C-0438-01	03008
11	97C05235	BBBBNS1		S97B70L4	97C-0438-01	03008
12	97C05236	BBBBSS2		S97B70L5	97C-0438-01	03008
13	97C05237	BBBBNS2		S97B70L6	97C-0438-01	03008
14	97C05238	BBBBSED(D)		S97B70L7	97C-0438-01	03008
15	97C05239	BBBBND2		S97B70L8	97C-0438-01	03008
16	97C05240	BBBBND1		S97B70L9	97C-0438-01	03008
17	97C05241	BBBBSS1		S97B70LB	97C-0438-01	03008
18	97C05242	BBBBSD1		S97B70LC	97C-0438-01	03008
19	97C05243	AAAASS1		S97B70LD	97C-0438-01	03008
20	97C05244	AAAANS2		S97B70LF	97C-0438-01	03008
21	97C05245	AAAASS2		S97B70LG	97C-0438-01	03008
22	97C05246	AAAAND2		S97B70LH	97C-0438-01	03008
23	97C05247	AAAASED(S)		S97B70LJ	97C-0438-01	03008
24	97C05248	AAAANS3		S97B70LK	97C-0438-01	03008

TN 1/2/98

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: QC-142141-1
Date Printed.....: 02-JAN-98 14:11

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
[X] Primary
[ ] Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	20-DEC-97 07:58	167.	162.	97.0	53.1/140.	
PCB 1260	20-DEC-97 07:58	167.	188.	113.	48.0/151.	

TN 1/2/98

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

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A

DCL Sample Name...: 97C05229MS
Date Printed.....: 02-JAN-98 14:11

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
[X] 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-DEC-97 03:48	49.0	221.	167.	103.	44.0/140.	
PCB 1260	20-DEC-97 09:21	995.	2960	167.	1180	48.1/148.	*

S97B70KY

DCL Sample Name...: 97C05229MSD

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	21-DEC-97 04:31	187.	82.6	204.	34.5	17.	0.00/15.8	*
PCB 1260	20-DEC-97 10:04	3000	1200	2980	42.0	1.4	0.00/45.9	

TN 1/2/98

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

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

DCL Analysis Group: G980100J
Analysis Method...: OP-SW-8080

DCL Prep Group.....: G97BC015
Preparation Method: 3550A

QC Limit Type.....: Performance

Surrogate Recoveries

Surr. ID / QC Limits / QCC Sample Number	Dibutylchlorendate 37.0/147. Analyte Result	Spiked Amount	% Rec.	Q	Tetrachloro-m-xylene 38.4/156. Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05229	49.0	16.7	294.	*	18.2	16.7	109.					
97C05229MS	49.9	16.7	300.	*	19.2	16.7	115.					
97C05229MSD	47.8	16.7	287.	*	18.1	16.7	109.					
97C05230	48.5	16.7	291.	*	13.1	16.7	78.5					
97C05231	20.7	16.7	124.		18.3	16.7	110.					
97C05232	40.4	16.7	242.	*	13.6	16.7	81.4					
97C05233	21.5	16.7	129.		14.2	16.7	85.0					
97C05234	29.2	16.7	175.	*	14.0	16.7	83.9					
97C05235	72.4	16.7	434.	*	18.4	16.7	111.					
97C05236	22.8	16.7	137.		16.5	16.7	97.2					
97C05237	43.3	16.7	260.	*	15.5	16.7	92.9					
97C05238	22.4	16.7	134.		19.7	16.7	118.					
97C05239	0.893	16.7	5.36	*	13.3	16.7	79.7					
97C05240	31.9	16.7	192.	*	20.1	16.7	121.					
97C05241	51.3	16.7	308.	*	13.0	16.7	77.8					
97C05242	101.	16.7	603.	*	17.1	16.7	103.					
97C05243	45.2	16.7	270.	*	14.4	16.7	86.2					
97C05244	65.4	16.7	393.	*	17.9	16.7	108.					
97C05245	52.0	16.7	312.	*	14.7	16.7	88.1					
97C05246	71.0	16.7	426.	*	19.4	16.7	117.					
97C05247	82.0	16.7	492.	*	11.5	16.7	69.1					
97C05248	65.4	16.7	392.	*	14.7	16.7	88.2					
BL-142141-1	19.5	16.7	117.		17.5	16.7	105.					
QC-142141-1	22.1	16.7	133.		20.2	16.7	121.					

TN 1/2/98

cal/run ids: CR98 01 000

method: 8080A analytes: PCBs date of analysis 12/20-21/97
matrix: soil aliquot: 0.030 kg extraction method: 3550C
extraction date: 11/13/97

instrument: (GC/ECD-8) HP5890 GC w/ DB-17 column (30 m x 0.25 mm id x 0.25 μm) & ECD (ch A7).

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

standards: All calibration curves meet method specifications. ICV recoveries were outside of the ±25% control limits: PCB-1016 = +31%; PCB-1254 = -28%; PCB-1260 = +22%.

Calibration curves have been previously verified without nonconformance. Poor recoveries are attributed to the ICV injections & not the calibration.

All CCV recoveries are within ±15%.

Samples: All samples were originally analyzed 11/21-23/97. CCV recoveries were poor & samples were reanalyzed.

All surrogate recoveries are reported from undiluted sample analyses. PCBs are reported from undiluted analyses for the method blank, QC and field samples 97C05231, 5238 & 5239. PCB-1016 is reported from the undiluted sample analyses for the MS & MSD.

All other PCBs are reported from 1:100 dilutions.

All QC & tetrachloro-m-xylene surrogate recoveries are in control.

To Page No.

Witnessed & Understood by me, Date 1/5/98

Invented by NOT APPLICABLE Date

Recorded by D. Taylor 1/5/98

00100

dilutions

all samples 1:100 except

BL, QC, 97C05231, 38, 39

& PCB 1016 for M, MS, MSD

& all surrogates.

DB-608 CK

ICV	1016;1	+89	$\bar{x}$ = +31
	;3	+26	
	;4	+27	
	1260;2	+27	+22
	3	+28	
	4	+28	
	5	+35	
	1254;2	-31	$\bar{x}$ = -27.6
	3	-31	
	4	-27	
	5	-27	

samples originally analyzed

11/21-23/97 on ECD-8

TITLE _____ Project No. 3018 Book No. 3117 DATA CHEM LABORATORIES

From Page No.___

column: DB-608 Roy F. Weston 97C-0438-01

DATACHEM LABORATORIES GC-PESTICIDE ANALYSIS

INJECTION LOGBOOK FOR GC ECD-8 analyst: J. Chris Taylor method: 8080A

Sequence File = DISK:[TAYLORC]4797353.SEQ;2 Data Directory = DISK:[T

Seq#	Rep#	Sample Name / Sample Notes	Data Filename	Acquisition Time
1	1	PCB221_2.0 / 138-WS-27569-1	4797353001.RAW;1	19-DEC-1997 18:28:42
2	1	PCB232_2.0 / 138-WS-27570-1	4797353002.RAW;1	19-DEC-1997 19:11:14
3	1	PCB242_2.0 / 138-WS-27571-1	4797353003.RAW;1	19-DEC-1997 19:53:48
4	1	PCB248_2.0 / 138-WS-27572-1	4797353004.RAW;1	19-DEC-1997 20:36:20
5	1	PCB262-2.0 / 138-WS-27591	4797353005.RAW;1	19-DEC-1997 21:18:52
6	1	$1660_2.0 / 138-WS-27590-1	4797353006.RAW;1	19-DEC-1997 22:01:23
7	1	$1660_1.0 / 138-WS-27590-2	4797353007.RAW;1	19-DEC-1997 22:43:58
8	1	$1660_0.20 / 138-WS-27590-3	4797353008.RAW;1	19-DEC-1997 23:26:28
9	1	$1660_0.10 / 138-WS-27590-4	4797353009.RAW;1	20-DEC-1997 00:09:02
10	1	$1660_0.02 / 138-WS-27588-1	4797353010.RAW;1	20-DEC-1997 00:51:32
11	1	ICV_1660_1.0 / 138-WS-27589-1	4797353011.RAW;1	20-DEC-1997 01:34:04
12	1	$1254_2.0 / 138-WS-27591	4797353012.RAW;1	20-DEC-1997 02:16:34
13	1	$1254_1.0 / 138-WS-27591	4797353013.RAW;1	20-DEC-1997 02:59:05
14	1	$1254_0.20 / 138-WS-27591	4797353014.RAW;1	20-DEC-1997 03:41:36
15	1	$1254_0.10 / 138-WS-27591	4797353015.RAW;1	20-DEC-1997 04:24:08
16	1	$1254_0.02 / 138-WS-27591	4797353016.RAW;1	20-DEC-1997 05:06:38
17	1	ICV_1254_1.0 / 138-WS-27533	4797353017.RAW;1	20-DEC-1997 05:49:10
18	1	RINSE	4797353018.RAW;1	20-DEC-1997 06:31:39
19	1	BL-142141-1 / 97C-0438-01	4797353019.RAW;1	20-DEC-1997 07:14:12
20	1	QC-142141-1 / 97C-0438-01	4797353020.RAW;1	20-DEC-1997 07:56:41
21	1	97C05229 X100 / 97C-0438-01	4797353021.RAW;1	20-DEC-1997 08:39:14
22	1	97C05229MS X100 / 97C-0438-01	4797353022.RAW;1	20-DEC-1997 09:21:44
23	1	97C05229MSD X100 / 97C-0438-01	4797353023.RAW;1	20-DEC-1997 10:04:17
24	1	97C05230 X100 / 97C-0438-01	4797353024.RAW;1	20-DEC-1997 10:46:47
			JT 1/2/98	
25	1	97C05231 X100 / 97C-0438-01	4797353025.RAW;1	20-DEC-1997 11:29:22
26	1	97C05232 X100 / 97C-0438-01	4797353026.RAW;1	20-DEC-1997 12:11:55
27	1	97C05233 X100 / 97C-0438-01	4797353027.RAW;1	20-DEC-1997 12:54:31
28	1	97C05234 X100 / 97C-0438-01	4797353028.RAW;1	20-DEC-1997 13:37:04
29	1	CCV_1660_1.0_1 / 138-WS-27590	4797353029.RAW;1	20-DEC-1997 14:19:42
30	1	97C05235 X100 / 97C-0438-01	4797353030.RAW;1	20-DEC-1997 15:02:18
31	1	97C05236 X100 / 97C-0438-01	4797353031.RAW;1	20-DEC-1997 15:44:56
32	1	97C05237 X100 / 97C-0438-01	4797353032.RAW;1	20-DEC-1997 16:27:33
33	1	97C05238 X100 / 97C-0438-01	4797353033.RAW;1	20-DEC-1997 17:10:10
34	1	97C05239 X100 / 97C-0438-01	4797353034.RAW;1	20-DEC-1997 17:52:47
35	1	97C05240 X100 / 97C-0438-01	4797353035.RAW;1	20-DEC-1997 18:35:25
36	1	97C05241 X100 / 97C-0438-01	4797353036.RAW;1	20-DEC-1997 19:18:03
37	1	97C05242 X100 / 97C-0438-01	4797353037.RAW;1	20-DEC-1997 20:00:40
38	1	97C05243 X100 / 97C-0438-01	4797353038.RAW;1	20-DEC-1997 20:43:16
39	1	97C05244 X100 / 97C-0438-01	4797353039.RAW;1	20-DEC-1997 21:25:54
40	1	CCV_1660_1.0_2 / 138-WS-27590	4797353040.RAW;1	20-DEC-1997 22:08:30
41	1	97C05245 X100 / 97C-0438-01	4797353041.RAW;1	20-DEC-1997 22:51:09
42	1	97C05246 X100 / 97C-0438-01	4797353042.RAW;1	20-DEC-1997 23:33:43
43	1	97C05247 X100 / 97C-0438-01	4797353043.RAW;1	21-DEC-1997 00:16:22
44	1	97C05248 X100 / 97C-0438-01	4797353044.RAW;1	21-DEC-1997 00:58:57
45	1	RINSE	4797353045.RAW;1	21-DEC-1997 01:41:34
46	1	CCV_1660_1.0_3 / 138-WS-27590	4797353046.RAW;1	21-DEC-1997 02:24:08
47	1	97C05229 / 97C-0438-01	4797353047.RAW;1	21-DEC-1997 03:06:48
48	1	97C05229MS / 97C-0438-01	4797353048.RAW;1	21-DEC-1997 03:49:22
			JT 1/2/98	
49	1	97C05229MSD / 97C-0438-01	4797353049.RAW;1	21-DEC-1997 04:31:59
50	1	97C05230 / 97C-0438-01	4797353050.RAW;1	21-DEC-1997 05:14:35
51	1	97C05231 / 97C-0438-01	4797353051.RAW;1	21-DEC-1997 05:57:12
52	1	97C05232 / 97C-0438-01	4797353052.RAW;1	21-DEC-1997 06:39:46
53	1	97C05233 / 97C-0438-01	4797353053.RAW;1	21-DEC-1997 07:22:23
54	1	97C05234 / 97C-0438-01	4797353054.RAW;1	21-DEC-1997 08:04:58
55	1	RINSE	4797353055.RAW;1	21-DEC-1997 08:47:36
56	1	CCV_1660_1.0_4 / 138-WS-27590	4797353056.RAW;1	21-DEC-1997 09:30:10
57	1	97C05235 / 97C-0438-01	4797353057.RAW;1	21-DEC-1997 10:12:47
58	1	97C05236 / 97C-0438-01	4797353058.RAW;1	21-DEC-1997 10:55:22
59	1	97C05237 / 97C-0438-01	4797353059.RAW;1	21-DEC-1997 11:38:02
60	1	97C05238 / 97C-0438-01	4797353060.RAW;1	21-DEC-1997 12:20:38
61	1	97C05239 / 97C-0438-01	4797353061.RAW;1	21-DEC-1997 13:03:18
62	1	97C05240 / 97C-0438-01	4797353062.RAW;1	21-DEC-1997 13:45:55
63	1	97C05241 / 97C-0438-01	4797353063.RAW;1	21-DEC-1997 14:28:34
64	1	97C05242 / 97C-0438-01	4797353064.RAW;1	21-DEC-1997 15:11:11
65	1	97C05243 / 97C-0438-01	4797353065.RAW;1	21-DEC-1997 15:53:50
66	1	97C05244 / 97C-0438-01	4797353066.RAW;1	21-DEC-1997 16:36:26
67	1	RINSE	4797353067.RAW;1	21-DEC-1997 17:19:05
68	1	CCV_1660_1.0_5 / 138-WS-27590	4797353068.RAW;1	21-DEC-1997 18:01:41
69	1	97C05245 / 97C-0438-01	4797353069.RAW;1	21-DEC-1997 18:44:19
70	1	97C05246 / 97C-0438-01	4797353070.RAW;1	21-DEC-1997 19:26:53
71	1	97C05247 / 97C-0438-01	4797353071.RAW;1	21-DEC-1997 20:09:31
72	1	97C05248 / 97C-0438-01	4797353072.RAW;1	21-DEC-1997 20:52:07
			JT 1/2/98	
73	1	RINSE	4797353073.RAW;1	21-DEC-1997 21:34:44
74	1	CCV_1660_1.0_6 / 138-WS-27590	4797353074.RAW;1	21-DEC-1997 22:17:19
			JT 1/2/98	

JT 1/2/98

To Page No.___

Witnessed & Understood by me,	Date	Invented by NOT APPLICABLE	Date
Vicki Tsai	1/5/98	Recorded by	1/2/98

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.						
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20.						

9/15/97

SS

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	36 IS 7181	100	1	10	10
5.						
6.						
7.						
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11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

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: Vivki 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:

00105

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. 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 7/82	100	0.2	10	2.0
2.				0.1		1.0
3.		36IS 7/82	10	0.2		0.20
4.				0.1		0.10
5.				0.02		0.02
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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:

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	36IS 7172	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
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9/16/97

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: Vinki Tai Supervisor:

Comments:

00109

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 125-07-07	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 GS 9/16/97	~~1.0~~ GS 9/16/97	~~5~~ GS 9/16/97	1000
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GS 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:

00110

Comments:

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.

00111

Produced by:

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

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 8/19/97	~~1.0~~ 5 9/16/97	~~5~~ 1 9/16/97	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:

00112

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.

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. 36CS

Page No. 126

36CS07126 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:

00115

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. Yi Tsai Supervisor:

Comments:

00116

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 Tai 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:

00120

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
6.						
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15.	9/17/97					
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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:

00121

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:

00122

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~~ 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:

00123

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 $C_{12}H_5Cl_4$, $C_{12}H_5Cl_5$, & $C_{12}H_7Cl_3$

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.

00124

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:

00126

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	36IS 7180	100	0.5	25	2.0
2.	↓	↓	↓	0.25	↓	1.0
3.	↓	36IS 7180	10	0.5	↓	0.2
4.	↓	↓	↓	0.25	↓	0.1
5.	↓	↓	↓	0.05	↓	0.02
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SS 10/21/97

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 Burg 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:

00128

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 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: Vicki Tsai Supervisor:

Comments:

00129

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:

00130

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:

00131

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

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
2.						
3.						
4.						
5.						
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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

00133

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

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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 10·22·97

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:

00134

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 Bag 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~~ 36-CS-7121		1		100
3.	TCMX	36CS07127		0.2		mix 20
4.	DCB	36CS07126		0.2		20
5.	PCB 1066/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: [signature] Date of Preparation: 9/15/97

Checked By: Staci Smith Supervisor:

Comments:

00135

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 $C_{12}H_4Cl_4$, $C_{12}H_5Cl_5$, $C_{12}H_6Cl_6$, & $C_{12}H_7Cl_7$

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.

00136

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:

00138

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. SW

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

Checked By: Supervisor:

Comments:

10-15-97

0013

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO 138WS

Page No. 167

138 WS 27567 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	.05	10	0.05
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: [illegible] 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~~ 36CS7121		1		100
3.	TCMX	36CS07127		0.2		mix 20
4.	DCB	36CS07126		0.2		20
5.	PCB 1066/TCMX DCB	36IS7179	100/20	1.0	10	10/2
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11.						
12.						
13.						
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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:

00141

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 9/15/97	~~1.0~~ SS 9/15/97	~~5~~ SS 9/15/97	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:

00142

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.

Produced by:

NSI Environmental Solutions
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1-800-234-7837

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 $C_{12}H_6Cl_4$, $C_{12}H_4Cl_6$, $C_{12}H_7Cl$, & $C_{12}H_2Cl_8$

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.

00144

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:

00146

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 10076	100	0.1	10	1.0
2.	PCB 1260	ULTRA 10051	100	0.1	10	1.0
3.						
4.						
5.						
6.						
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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:

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

00148

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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

00149

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

ULTRA SCIENTIFIC
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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	798-08-01	200	~~1.25~~ 1.5 11/13/97	500	↓
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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:

00150

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.

00151

Produced by:

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

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.

00152

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.

00153

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	NS2 Q-10770	5,000	0.5	500	5.0
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

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:

7-3-97

00154

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
01029812215757

Date _____
Laboratory Group Name 97C-0438-03
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) %							
ZZZNS1	97C05229	SOIL	81.1							
ZZZNS1	97C05229MD	SOIL	81.7							
ZZZSS1	97C05230	SOIL	64.0							
ZZZND1	97C05231	SOIL	87.4							
ZZZSD1	97C05232	SOIL	39.3							
BBBBSD2	97C05233	SOIL	67.9							
BBBBSED(S)	97C05234	SOIL	74.2							
BBBBNS1	97C05235	SOIL	65.8							
BBBBSS2	97C05236	SOIL	68.2							
BBBBNS2	97C05237	SOIL	61.9							
BBBBSED(D)	97C05238	SOIL	85.2							
BBBBND2	97C05239	SOIL	75.9							
BBBBND1	97C05240	SOIL	79.2							

† 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

00156

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DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-BL
Page 2 of 2
Part 1 of 1
01029812215757

Date _____
Laboratory Group Name 97C-0438-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %							
BBBBSS1	97C05241	SOIL	65.3							
BBBBSD1	97C05242	SOIL	41.9							
AAAASS1	97C05243	SOIL	50.3							
AAAANS2	97C05244	SOIL	76.5							
AAAASS2	97C05245	SOIL	53.6							
AAAAND2	97C05246	SOIL	78.8							
AAAASED(S)	97C05247	SOIL	44.3							
AAAANS3	97C05248	SOIL	69.3							
AAAANS3	97C05248MD	SOIL	68.5							
Limit of Detection										

† See comment on last page.
ND Parameter not detected.above LOD.

** See comment on last page.
( ) Parameter between LOD and LOQ.

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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
01029813545310
Page 3

S97BC021

Date Printed.....: 02-JAN-98 13:54

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

Date Received.....: Not Applicable

Client Sample Name: **BL-142141-1**
DCL Sample Name...: **BL-142141-1**
DCL Report Group..: **97C-0438-01**

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 07:14	2.95	ND			1.00	6.67
Aroclor 1221	20-DEC-97 07:14	20.90	ND			1.00	33.3
Aroclor 1232	20-DEC-97 07:14	3.68	ND			1.00	6.67
Aroclor 1242	20-DEC-97 07:14	2.53	ND			1.00	6.67
Aroclor 1248	20-DEC-97 07:14	2.30	ND			1.00	6.67
Aroclor 1254	20-DEC-97 07:14	1.54	2.353			1.00	6.67
Aroclor 1260	20-DEC-97 07:14	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	19.5	16.7	117.
Tetrachloro-m-xylene	17.5	16.7	105.

00158

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
01029813545310
Page 4

S97BC022

Date Printed.....: 02-JAN-98 13:54

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

Date Received.....: Not Applicable

Client Sample Name: QC-142141-1
DCL Sample Name...: QC-142141-1
DCL Report Group..: 97C-0438-01

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 07:56	2.95	161.7			1.00	6.67
Aroclor 1260	20-DEC-97 07:56	1.47	187.8			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	22.1	16.7	133.
Tetrachloro-m-xylene	20.2	16.7	121.

00159

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
01029813545310
Page 5

S97B70KW

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: ZZZNS1
DCL Sample Name...: 97C05229
DCL Report Group..: 97C-0438-01

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 03:06	2.95	ND			1.00	6.67
Aroclor 1221	20-DEC-97 08:39	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 08:39	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 08:39	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 08:39	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 08:39	1.54	994.8			100.	6.67
Aroclor 1260	20-DEC-97 08:39	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	46.5	16.7	279.
Tetrachloro-m-xylene	87900	1670	5280

00160

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70KX

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **ZZZNS1**
DCL Sample Name...: **97C05229MS**
DCL Report Group..: **97C-0438-01**

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 03:49	2.95	221.1			1.00	6.67
Aroclor 1260	20-DEC-97 09:21	1.47	2958			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	49.4	1670	2.97
Tetrachloro-m-xylene	87900	1670	5280

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70KY

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **ZZZNS1**
DCL Sample Name...: **97C05229MSD**
DCL Report Group..: **97C-0438-01**

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 04:31	2.95	186.6			1.00	6.67
Aroclor 1260	20-DEC-97 10:04	1.47	3000			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	54.1	1670	3.25
Tetrachloro-m-xylene	87900	1670	5280

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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
01029813545310
Page 8

S97B70KZ

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: ZZZSS1
DCL Sample Name...: 97C05230
DCL Report Group..: 97C-0438-01

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

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 10:46	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 10:46	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 10:46	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 10:46	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 10:46	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 10:46	1.54	4195			100.	6.67
Aroclor 1260	20-DEC-97 10:46	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	46.2	16.7	277.
Tetrachloro-m-xylene	13.2	16.7	79.4

00163

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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
01029813545310
Page 9

S97B70L0

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: ZZZWD1
DCL Sample Name...: 97C05231
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:50
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 05:57	2.95	ND			1.00	6.67
Aroclor 1221	21-DEC-97 05:57	20.90	ND			1.00	33.3
Aroclor 1232	21-DEC-97 05:57	3.68	ND			1.00	6.67
Aroclor 1242	21-DEC-97 05:57	2.53	ND			1.00	6.67
Aroclor 1248	21-DEC-97 05:57	2.30	ND			1.00	6.67
Aroclor 1254	21-DEC-97 05:57	1.54	105.6			1.00	6.67
Aroclor 1260	21-DEC-97 05:57	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	20.5	16.7	123.
Tetrachloro-m-xylene	18.8	16.7	113.

00164

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

SAMPLE ANALYSIS DATA SHEET

S97B70L1

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: ZZZSD1
DCL Sample Name...: 97C05232
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 14:40
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 12:11	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 12:11	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 12:11	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 12:11	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 12:11	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 12:11	1.54	3834			100.	6.67
Aroclor 1260	20-DEC-97 12:11	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	32.9	16.7	198.
Tetrachloro-m-xylene	12.8	16.7	76.7

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L2

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBSD2**
DCL Sample Name...: **97C05233**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:10
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 12:54	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 12:54	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 12:54	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 12:54	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 12:54	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 12:54	1.54	794.6			100.	6.67
Aroclor 1260	20-DEC-97 12:54	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	21.5	16.7	129.
Tetrachloro-m-xylene	14.6	16.7	87.4

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

SAMPLE ANALYSIS DATA SHEET

S97B70L3

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBSED(S)**
DCL Sample Name...: **97C05234**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 13:37	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 13:37	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 13:37	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 13:37	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 13:37	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 13:37	1.54	3687			100.	6.67
Aroclor 1260	20-DEC-97 13:37	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	21.6	16.7	130.
Tetrachloro-m-xylene	14.4	16.7	86.3

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L4

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBNS1**
DCL Sample Name...: **97C05235**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 15:02	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 15:02	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 15:02	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 15:02	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 15:02	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 15:02	1.54	3526			100.	6.67
Aroclor 1260	20-DEC-97 15:02	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	72.1	16.7	433.
Tetrachloro-m-xylene	18.9	16.7	114.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L5

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBSS2**
DCL Sample Name...: **97C05236**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 15:44	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 15:44	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 15:44	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 15:44	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 15:44	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 15:44	1.54	663.25			100.	6.67
Aroclor 1260	20-DEC-97 15:44	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	20.3	16.7	122.
Tetrachloro-m-xylene	14.8	16.7	88.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L6

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBNS2**
DCL Sample Name...: **97C05237**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:02
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 16:27	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 16:27	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 16:27	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 16:27	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 16:27	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 16:27	1.54	2391			100.	6.67
Aroclor 1260	20-DEC-97 16:27	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	41.3	16.7	248.
Tetrachloro-m-xylene	15.6	16.7	94.0

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L7

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBSED(D)**
DCL Sample Name...: **97C05238**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 12:20	2.95	ND			1.00	6.67
Aroclor 1221	21-DEC-97 12:20	20.90	ND			1.00	33.3
Aroclor 1232	21-DEC-97 12:20	3.68	ND			1.00	6.67
Aroclor 1242	21-DEC-97 12:20	2.53	ND			1.00	6.67
Aroclor 1248	21-DEC-97 12:20	2.30	ND			1.00	6.67
Aroclor 1254	21-DEC-97 12:20	1.54	205.8			1.00	6.67
Aroclor 1260	21-DEC-97 12:20	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	22.4	16.7	134.
Tetrachloro-m-xylene	20.2	16.7	121.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L8

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: BBBBND2
DCL Sample Name...: 97C05239
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 13:03	2.95	ND			1.00	6.67
Aroclor 1221	21-DEC-97 13:03	20.90	ND			1.00	33.3
Aroclor 1232	21-DEC-97 13:03	3.68	ND			1.00	6.67
Aroclor 1242	21-DEC-97 13:03	2.53	ND			1.00	6.67
Aroclor 1248	21-DEC-97 13:03	2.30	ND			1.00	6.67
Aroclor 1254	21-DEC-97 13:03	1.54	59.56			1.00	6.67
Aroclor 1260	21-DEC-97 13:03	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	0.862	16.7	5.18
Tetrachloro-m-xylene	13.6	16.7	81.8

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70L9

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBND1**
DCL Sample Name...: **97C05240**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 18:35	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 18:35	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 18:35	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 18:35	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 18:35	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 18:35	1.54	602.6			100.	6.67
Aroclor 1260	20-DEC-97 18:35	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	30.8	16.7	185.
Tetrachloro-m-xylene	20.6	16.7	124.

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

SAMPLE ANALYSIS DATA SHEET

S97B70LB

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: BBBBSS1
DCL Sample Name...: 97C05241
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:05
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 19:18	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 19:18	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 19:18	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 19:18	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 19:18	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 19:18	1.54	1712			100.	6.67
Aroclor 1260	20-DEC-97 19:18	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	49.4	16.7	297.
Tetrachloro-m-xylene	13.3	16.7	80.1

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70LC

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **BBBBSD1**
DCL Sample Name...: **97C05242**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:10
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 20:00	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 20:00	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 20:00	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 20:00	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 20:00	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 20:00	1.54	3915			100.	6.67
Aroclor 1260	20-DEC-97 20:00	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	97.4	16.7	585.
Tetrachloro-m-xylene	17.4	16.7	104.

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

SAMPLE ANALYSIS DATA SHEET

S97B70LD

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **AAAASS1**
DCL Sample Name...: **97C05243**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:21
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 20:43	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 20:43	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 20:43	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 20:43	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 20:43	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 20:43	1.54	3509			100.	6.67
Aroclor 1260	20-DEC-97 20:43	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	43.2	16.7	259.
Tetrachloro-m-xylene	14.5	16.7	87.3

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

SAMPLE ANALYSIS DATA SHEET

S97B70LF

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **AAAANS2**
DCL Sample Name...: **97C05244**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 21:25	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 21:25	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 21:25	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 21:25	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 21:25	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 21:25	1.54	2345			100.	6.67
Aroclor 1260	20-DEC-97 21:25	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	65.1	16.7	391.
Tetrachloro-m-xylene	18.4	16.7	110.

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

SAMPLE ANALYSIS DATA SHEET

S97B70LG

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **AAAASS2**
DCL Sample Name...: **97C05245**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:27
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 22:51	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 22:51	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 22:51	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 22:51	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 22:51	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 22:51	1.54	3198			100.	6.67
Aroclor 1260	20-DEC-97 22:51	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	51.7	16.7	310.
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

S97B70LH

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **AAAAND2**
DCL Sample Name...: **97C05246**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:36
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	20-DEC-97 23:33	2.95	ND			100.	6.67
Aroclor 1221	20-DEC-97 23:33	20.90	ND			100.	33.3
Aroclor 1232	20-DEC-97 23:33	3.68	ND			100.	6.67
Aroclor 1242	20-DEC-97 23:33	2.53	ND			100.	6.67
Aroclor 1248	20-DEC-97 23:33	2.30	ND			100.	6.67
Aroclor 1254	20-DEC-97 23:33	1.54	2738			100.	6.67
Aroclor 1260	20-DEC-97 23:33	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	70.6	16.7	424.
Tetrachloro-m-xylene	19.6	16.7	118.

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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
01029813545310
Page 25

S97B70LJ

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: **AAAASED(S)**
DCL Sample Name...: **97C05247**
DCL Report Group..: **97C-0438-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:20
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 00:16	2.95	ND			100.	6.67
Aroclor 1221	21-DEC-97 00:16	20.90	ND			100.	33.3
Aroclor 1232	21-DEC-97 00:16	3.68	ND			100.	6.67
Aroclor 1242	21-DEC-97 00:16	2.53	ND			100.	6.67
Aroclor 1248	21-DEC-97 00:16	2.30	ND			100.	6.67
Aroclor 1254	21-DEC-97 00:16	1.54	11260			100.	6.67
Aroclor 1260	21-DEC-97 00:16	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	61.0	16.7	366.
Tetrachloro-m-xylene	11.8	16.7	71.2

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

SAMPLE ANALYSIS DATA SHEET

S97B70LK

Date Printed.....: 02-JAN-98 13:54

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

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

Client Sample Name: AAAAMS3
DCL Sample Name...: 97C05248
DCL Report Group..: 97C-0438-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 15:35
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC015
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550A
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G980100J
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: ECD-8
Column Type.....: DB-17
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	21-DEC-97 00:58	2.95	ND			100.	6.67
Aroclor 1221	21-DEC-97 00:58	20.90	ND			100.	33.3
Aroclor 1232	21-DEC-97 00:58	3.68	ND			100.	6.67
Aroclor 1242	21-DEC-97 00:58	2.53	ND			100.	6.67
Aroclor 1248	21-DEC-97 00:58	2.30	ND			100.	6.67
Aroclor 1254	21-DEC-97 00:58	1.54	3538			100.	6.67
Aroclor 1260	21-DEC-97 00:58	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	65.4	16.7	393.
Tetrachloro-m-xylene	15.0	16.7	90.3

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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: _____ 1/2/98 Reviewed by: _____ 1/5/98
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: % 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: % 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: % 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

00183

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]4797325.SEQ;1
Date: 15-DEC-1997 10:25:45.85

Original analysis 1/5/98

Spl	Sample Name	Inj	Method File	Calib RT	Calib CF	Data File
1	PCB221_2.0	1	4797325_8080P			4797325001
2	PCB232_2.0	1	4797325_8080P			4797325002
3	PCB242_2.0	1	4797325_8080P			4797325003
4	PCB248_2.0	1	4797325_8080P			4797325004
5	$1254_0.02	1	4797325_8080P	I	R	4797325005
6	$1254_0.10	1	4797325_8080P	I	R	4797325006
7	$1254_0.20	1	4797325_8080P	I	R	4797325007
8	$1254_1.0	1	4797325_8080P	I	R	4797325008
9	$1254_2.0	1	4797325_8080P	I	R	4797325009
10	$1254_10.0	1	4797325_8080P	I	R	4797325010
11	ICV_1254_1.0	1	4797325_8080P			4797325011
12	$1660_.01	1	4797325_8080P	I	R	4797325012
13	$1660_.10 GOOD 1016	1	4797325_8080P	I	R	4797325013
14	$1660_.20	1	4797325_8080P	I	R	4797325014
15	$1660_1.0	1	4797325_8080P	I	R	4797325015
16	$1660_2.0	1	4797325_8080P	I	R	4797325016
17	ICV_1660_1.0	1	4797325_8080P			4797325017
18	CCV_1660_1.0	1	4797325_8080P			4797325018
19	BL-142141-1	1	4797325_8080P			4797325019
20	QC-142141-1	1	4797325_8080P			4797325020
21	97C05229 X100	1	4797325_8080P			4797325021
22	97C05229MS X100	1	4797325_8080P			4797325022
23	97C05229MSD X100	1	4797325_8080P			4797325023
24	97C05230 X100	1	4797325_8080P			4797325024
25	97C05231 X100	1	4797325_8080P			4797325025
26	97C05232 X100	1	4797325_8080P			4797325026
27	97C05233 X100	1	4797325_8080P			4797325027
28	97C05234 X100	1	4797325_8080P			4797325028
29	CCV_1660_1.0	1	4797325_8080P			4797325029
30	97C05235 X100	1	4797325_8080P			4797325030
31	97C05236 X100	1	4797325_8080P			4797325031
32	97C05237 X100	1	4797325_8080P			4797325032
33	97C05238 X100	1	4797325_8080P			4797325033
34	97C05239 X100	1	4797325_8080P			4797325034
35	97C05240 X100	1	4797325_8080P			4797325035
36	97C05241 X100	1	4797325_8080P			4797325036
37	97C05242 X100	1	4797325_8080P			4797325037
38	97C05243 X100	1	4797325_8080P			4797325038
39	97C05244 X100	1	4797325_8080P			4797325039
40	CCV_1660_1.0	1	4797325_8080P			4797325040
41	97C05245 X100	1	4797325_8080P			4797325041
42	97C05246 X100	1	4797325_8080P			4797325042
43	97C05247 X100	1	4797325_8080P			4797325043
44	97C05248 X100	1	4797325_8080P			4797325044
45	97C05229	1	4797325_8080P			4797325045
46	97C05229MS	1	4797325_8080P			4797325046
47	97C05229MSD	1	4797325_8080P			4797325047
48	97C05230	1	4797325_8080P			4797325048
49	97C05231	1	4797325_8080P			4797325049
50	97C05232	1	4797325_8080P			4797325050
51	CCV_1660_1.0	1	4797325_8080P			4797325051
52	97C05233	1	4797325_8080P			4797325052
53	97C05234	1	4797325_8080P			4797325053
54	97C05235	1	4797325_8080P			4797325054
55	97C05236	1	4797325_8080P			4797325055
56	97C05237	1	4797325_8080P			4797325056
57	97C05238	1	4797325_8080P			4797325057
58	97C05239	1	4797325_8080P			4797325058

59	97C05240	1	4797325_8080P	4797325059
60	97C05241	1	4797325_8080P	4797325060
61	97C05242	1	4797325_8080P	4797325061
62	CCV_1660_1.0	1	4797325_8080P	4797325062
63	97C05243	1	4797325_8080P	4797325063
64	97C05244	1	4797325_8080P	4797325064
65	97C05245	1	4797325_8080P	4797325065
66	97C05246	1	4797325_8080P	4797325066
67	97C05247	1	4797325_8080P	4797325067
68	97C05248	1	4797325_8080P	4797325068
69	CCV_1660_1.0	1	4797325_8080P	4797325069

Reports: Delayed
Calibration mode: 2. Calibrate standards before analyzing unknowns.

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797325.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
1	1	PCB221_2.0 138-WS-27569	4797325001.RAW;1	18-NOV-1997 00:06:56
2	1	PCB232_2.0 138-WS-27570	4797325002.RAW;1	18-NOV-1997 00:49:33
3	1	PCB242_2.0 138-WS-27571	4797325003.RAW;1	18-NOV-1997 01:32:11
4	1	PCB248_2.0 138-WS-27572	4797325004.RAW;1	18-NOV-1997 02:14:48
5	1	$1254_0.02 138-WS-27568	4797325005.RAW;1	18-NOV-1997 02:57:00
6	1	$1254_0.10 138-WS-27568	4797325006.RAW;1	18-NOV-1997 03:40:03
7	1	$1254_0.20 138-WS-27568	4797325007.RAW;1	18-NOV-1997 04:22:40
8	1	$1254_1.0 138-WS-27568	4797325008.RAW;1	18-NOV-1997 05:05:17
9	1	$1254_2.0 138-WS-27568	4797325009.RAW;1	18-NOV-1997 05:47:57
10	1	$1254_10.0 138-WS-27568	4797325010.RAW;1	18-NOV-1997 06:30:36
11	1	ICV_1254_1.0 138-WS-27533	4797325011.RAW;1	18-NOV-1997 07:13:15
12	1	$1660_.01 138-WS-27590	4797325012.RAW;1	18-NOV-1997 07:55:54
13	1	$1660_.10 138-WS-27590	4797325013.RAW;1	18-NOV-1997 08:38:32
14	1	$1660_.20 138-WS-27590	4797325014.RAW;1	18-NOV-1997 09:21:09
15	1	$1660_1.0 138-WS-27590	4797325015.RAW;1	18-NOV-1997 10:03:46
16	1	$1660_2.0 138-WS-27590	4797325016.RAW;1	18-NOV-1997 10:46:21
17	1	ICV_1660_1.0 138-WS-27593	4797325017.RAW;1	18-NOV-1997 11:28:59
18	1	CCV_1660_1.0 138-WS-27590	4797325018.RAW;1	21-NOV-1997 21:00:34
19	1	BL-142141-1 97C-0438-01	4797325019.RAW;1	21-NOV-1997 21:43:12
20	1	QC-142141-1 97C-0438-01	4797325020.RAW;1	21-NOV-1997 22:25:49
21	1	97C05229 X100 97C-0438-01	4797325021.RAW;1	21-NOV-1997 23:08:27
22	1	97C05229MS X100 97C-0438-01	4797325022.RAW;1	21-NOV-1997 23:51:03
23	1	97C05229MSD X100 97C-0438-01	4797325023.RAW;1	22-NOV-1997 00:33:43
24	1	97C05230 X100 97C-0438-01	4797325024.RAW;1	22-NOV-1997 01:16:18

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797325.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
25	1	97C05231 X100 97C-0438-01	4797325025.RAW;1	22-NOV-1997 01:58:57
26	1	97C05232 X100 97C-0438-01	4797325026.RAW;1	22-NOV-1997 02:41:32
27	1	97C05233 X100 97C-0438-01	4797325027.RAW;1	22-NOV-1997 03:24:09
28	1	97C05234 X100 97C-0438-01	4797325028.RAW;1	22-NOV-1997 04:06:44
29	1	CCV_1660_1.0 138-WS-27590	4797325029.RAW;1	22-NOV-1997 04:49:21
30	1	97C05235 X100 97C-0438-01	4797325030.RAW;1	22-NOV-1997 05:31:53
31	1	97C05236 X100 97C-0438-01	4797325031.RAW;1	22-NOV-1997 06:14:29
32	1	97C05237 X100 97C-0438-01	4797325032.RAW;1	22-NOV-1997 06:57:02
33	1	97C05238 X100 97C-0438-01	4797325033.RAW;1	22-NOV-1997 07:39:38
34	1	97C05239 X100 97C-0438-01	4797325034.RAW;1	22-NOV-1997 08:22:10
35	1	97C05240 X100 97C-0438-01	4797325035.RAW;1	22-NOV-1997 09:04:44
36	1	97C05241 X100 97C-0438-01	4797325036.RAW;1	22-NOV-1997 09:47:17
37	1	97C05242 X100 97C-0438-01	4797325037.RAW;1	22-NOV-1997 10:29:53
38	1	97C05243 X100 97C-0438-01	4797325038.RAW;1	22-NOV-1997 11:12:26
39	1	97C05244 X100 97C-0438-01	4797325039.RAW;1	22-NOV-1997 11:55:05
40	1	CCV_1660_1.0 138-WS-27590	4797325040.RAW;1	22-NOV-1997 12:37:41
41	1	97C05245 X100 97C-0438-01	4797325041.RAW;1	22-NOV-1997 13:20:21
42	1	97C05246 X100 97C-0438-01	4797325042.RAW;1	22-NOV-1997 14:02:59
43	1	97C05247 X100 97C-0438-01	4797325043.RAW;1	22-NOV-1997 14:45:39
44	1	97C05248 X100 97C-0438-01	4797325044.RAW;1	22-NOV-1997 15:28:17
45	1	97C05229 97C-0438-01	4797325045.RAW;1	22-NOV-1997 16:10:59
46	1	97C05229MS 97C-0438-01	4797325046.RAW;1	22-NOV-1997 16:53:39
47	1	97C05229MSD 97C-0438-01	4797325047.RAW;1	22-NOV-1997 17:36:20
48	1	97C05230 97C-0438-01	4797325048.RAW;1	22-NOV-1997 18:19:00

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797325.SEQ;1 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
49	1	97C05231 97C-0438-01	4797325049.RAW;1	22-NOV-1997 19:01:41
50	1	97C05232 97C-0438-01	4797325050.RAW;1	22-NOV-1997 19:44:18
51	1	CCV_1660_1.0 138-WS-27590	4797325051.RAW;1	22-NOV-1997 20:26:58
52	1	97C05233 97C-0438-01	4797325052.RAW;1	22-NOV-1997 21:09:35
53	1	97C05234 97C-0438-01	4797325053.RAW;1	22-NOV-1997 21:52:15
54	1	97C05235 97C-0438-01	4797325054.RAW;1	22-NOV-1997 22:34:50
55	1	97C05236 97C-0438-01	4797325055.RAW;1	22-NOV-1997 23:17:26
56	1	97C05237 97C-0438-01	4797325056.RAW;1	23-NOV-1997 00:00:01
57	1	97C05238 97C-0438-01	4797325057.RAW;1	23-NOV-1997 00:42:38
58	1	97C05239 97C-0438-01	4797325058.RAW;1	23-NOV-1997 01:25:12
59	1	97C05240 97C-0438-01	4797325059.RAW;1	23-NOV-1997 02:07:50
60	1	97C05241 97C-0438-01	4797325060.RAW;1	23-NOV-1997 02:50:25
61	1	97C05242 97C-0438-01	4797325061.RAW;1	23-NOV-1997 03:33:03
62	1	CCV_1660_1.0 138-WS-27590	4797325062.RAW;1	23-NOV-1997 04:15:38
63	1	97C05243 97C-0438-01	4797325063.RAW;1	23-NOV-1997 04:58:15
64	1	97C05244 97C-0438-01	4797325064.RAW;1	23-NOV-1997 05:40:51
65	1	97C05245 97C-0438-01	4797325065.RAW;1	23-NOV-1997 06:23:30
66	1	97C05246 97C-0438-01	4797325066.RAW;1	23-NOV-1997 07:06:06
67	1	97C05247 97C-0438-01	4797325067.RAW;1	23-NOV-1997 07:48:43
68	1	97C05248 97C-0438-01	4797325068.RAW;1	23-NOV-1997 08:31:18
69	1	CCV_1660_1.0 138-WS-27590	4797325069.RAW;1	23-NOV-1997 09:13:55

Sequence: DISK:[TAYLORC]4797353.SEQ;2
Date: 2-JAN-1998 11:03:03.24

Spl	Sample Name	Inj	Method File	Calib RT	Calib CF	Data File
1	PCB221_2.0	1	4797353_8080P			4797353001
2	PCB232_2.0	1	4797353_8080P			4797353002
3	PCB242_2.0	1	4797353_8080P			4797353003
4	PCB248_2.0	1	4797353_8080P			4797353004
5	PCB262-2.0	1	4797353_8080P			4797353005
6	$1660_2.0	1	4797353_8080P	I	R	4797353006
7	$1660_1.0	1	4797353_8080P	I	R	4797353007
8	$1660_0.20	1	4797353_8080P	I	R	4797353008
9	$1660_0.10	1	4797353_8080P	I	R	4797353009
10	$1660_0.02	1	4797353_8080P	I	R	4797353010
11	ICV_1660_1.0	1	4797353_8080P			4797353011
12	$1254_2.0	1	4797353_8080P	I	R	4797353012
13	$1254_1.0	1	4797353_8080P	I	R	4797353013
14	$1254_0.20	1	4797353_8080P	I	R	4797353014
15	$1254_0.10	1	4797353_8080P	I	R	4797353015
16	$1254_0.02	1	4797353_8080P	I	R	4797353016
17	ICV_1254_1.0	1	4797353_8080P			4797353017
18	RINSE	1	4797353_8080P			4797353018
19	BL-142141-1	1	4797353_8080P			4797353019
20	QC-142141-1	1	4797353_8080P			4797353020
21	97C05229 X100	1	4797353_8080P			4797353021
22	97C05229MS X100	1	4797353_8080P			4797353022
23	97C05229MSD X100	1	4797353_8080P			4797353023
24	97C05230 X100	1	4797353_8080P			4797353024
25	97C05231 X100	1	4797353_8080P			4797353025
26	97C05232 X100	1	4797353_8080P			4797353026
27	97C05233 X100	1	4797353_8080P			4797353027
28	97C05234 X100	1	4797353_8080P			4797353028
29	CCV_1660_1.0_1	1	4797353_8080P			4797353029
30	97C05235 X100	1	4797353_8080P			4797353030
31	97C05236 X100	1	4797353_8080P			4797353031
32	97C05237 X100	1	4797353_8080P			4797353032
33	97C05238 X100	1	4797353_8080P			4797353033
34	97C05239 X100	1	4797353_8080P			4797353034
35	97C05240 X100	1	4797353_8080P			4797353035
36	97C05241 X100	1	4797353_8080P			4797353036
37	97C05242 X100	1	4797353_8080P			4797353037
38	97C05243 X100	1	4797353_8080P			4797353038
39	97C05244 X100	1	4797353_8080P			4797353039
40	CCV_1660_1.0_2	1	4797353_8080P			4797353040
41	97C05245 X100	1	4797353_8080P			4797353041
42	97C05246 X100	1	4797353_8080P			4797353042
43	97C05247 X100	1	4797353_8080P			4797353043
44	97C05248 X100	1	4797353_8080P			4797353044
45	RINSE	1	4797353_8080P			4797353045
46	CCV_1660_1.0_3	1	4797353_8080P			4797353046
47	97C05229	1	4797353_8080P			4797353047
48	97C05229MS	1	4797353_8080P			4797353048
49	97C05229MSD	1	4797353_8080P			4797353049
50	97C05230	1	4797353_8080P			4797353050
51	97C05231	1	4797353_8080P			4797353051
52	97C05232	1	4797353_8080P			4797353052
53	97C05233	1	4797353_8080P			4797353053
54	97C05234	1	4797353_8080P			4797353054
55	RINSE	1	4797353_8080P			4797353055
56	CCV_1660_1.0_4	1	4797353_8080P			4797353056
57	97C05235	1	4797353_8080P			4797353057
58	97C05236	1	4797353_8080P			4797353058

59	97C05237	1	4797353_8080P	4797353059
60	97C05238	1	4797353_8080P	4797353060
61	97C05239	1	4797353_8080P	4797353061
62	97C05240	1	4797353_8080P	4797353062
63	97C05241	1	4797353_8080P	4797353063
64	97C05242	1	4797353_8080P	4797353064
65	97C05243	1	4797353_8080P	4797353065
66	97C05244	1	4797353_8080P	4797353066
67	RINSE	1	4797353_8080P	4797353067
68	CCV_1660_1.0_5	1	4797353_8080P	4797353068
69	97C05245	1	4797353_8080P	4797353069
70	97C05246	1	4797353_8080P	4797353070
71	97C05247	1	4797353_8080P	4797353071
72	97C05248	1	4797353_8080P	4797353072
73	RINSE	1	4797353_8080P	4797353073
74	CCV_1660_1.0_6	1	4797353_8080P	4797353074

Reports: Delayed
Calibration mode: 2. Calibrate standards before analyzing unknowns.

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797353.SEQ;2 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
1	1	PCB221_2.0 138-WS-27569-1	4797353001.RAW;1	19-DEC-1997 18:28:42
2	1	PCB232_2.0 138-WS-27570-1	4797353002.RAW;1	19-DEC-1997 19:11:14
3	1	PCB242_2.0 138-WS-27571-1	4797353003.RAW;1	19-DEC-1997 19:53:48
4	1	PCB248_2.0 138-WS-27572-1	4797353004.RAW;1	19-DEC-1997 20:36:20
5	1	PCB262-2.0 138-WS-27591	4797353005.RAW;1	19-DEC-1997 21:18:52
6	1	$1660_2.0 138-WS-27590-1	4797353006.RAW;1	19-DEC-1997 22:01:23
7	1	$1660_1.0 138-WS-27590-2	4797353007.RAW;1	19-DEC-1997 22:43:58
8	1	$1660_0.20 138-WS-27590-3	4797353008.RAW;1	19-DEC-1997 23:26:28
9	1	$1660_0.10 138-WS-27590-4	4797353009.RAW;1	20-DEC-1997 00:09:02
10	1	$1660_0.02 138-WS-27588-1	4797353010.RAW;1	20-DEC-1997 00:51:32
11	1	ICV_1660_1.0 138-WS-27589-1	4797353011.RAW;1	20-DEC-1997 01:34:04
12	1	$1254_2.0 138-WS-27591	4797353012.RAW;1	20-DEC-1997 02:16:34
13	1	$1254_1.0 138-WS-27591	4797353013.RAW;1	20-DEC-1997 02:59:05
14	1	$1254_0.20 138-WS-27591	4797353014.RAW;1	20-DEC-1997 03:41:36
15	1	$1254_0.10 138-WS-27591	4797353015.RAW;1	20-DEC-1997 04:24:08
16	1	$1254_0.02 138-WS-27591	4797353016.RAW;1	20-DEC-1997 05:06:38
17	1	ICV_1254_1.0 138-WS-27533	4797353017.RAW;1	20-DEC-1997 05:49:10
18	1	RINSE	4797353018.RAW;1	20-DEC-1997 06:31:39
19	1	BL-142141-1 97C-0438-01	4797353019.RAW;1	20-DEC-1997 07:14:12
20	1	QC-142141-1 97C-0438-01	4797353020.RAW;1	20-DEC-1997 07:56:41
21	1	97C05229 X100 97C-0438-01	4797353021.RAW;1	20-DEC-1997 08:39:14
22	1	97C05229MS X100 97C-0438-01	4797353022.RAW;1	20-DEC-1997 09:21:44
23	1	97C05229MSD X100 97C-0438-01	4797353023.RAW;1	20-DEC-1997 10:04:17
24	1	97C05230 X100 97C-0438-01	4797353024.RAW;1	20-DEC-1997 10:46:47

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797353.SEQ;2 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name / Sample Notes	Data Filename	Acquisition Time
25	1	97C05231 X100 97C-0438-01	4797353025.RAW;1	20-DEC-1997 11:29:22
26	1	97C05232 X100 97C-0438-01	4797353026.RAW;1	20-DEC-1997 12:11:55
27	1	97C05233 X100 97C-0438-01	4797353027.RAW;1	20-DEC-1997 12:54:31
28	1	97C05234 X100 97C-0438-01	4797353028.RAW;1	20-DEC-1997 13:37:04
29	1	CCV_1660_1.0_1 138-WS-27590	4797353029.RAW;1	20-DEC-1997 14:19:42
30	1	97C05235 X100 97C-0438-01	4797353030.RAW;1	20-DEC-1997 15:02:18
31	1	97C05236 X100 97C-0438-01	4797353031.RAW;1	20-DEC-1997 15:44:56
32	1	97C05237 X100 97C-0438-01	4797353032.RAW;1	20-DEC-1997 16:27:33
33	1	97C05238 X100 97C-0438-01	4797353033.RAW;1	20-DEC-1997 17:10:10
34	1	97C05239 X100 97C-0438-01	4797353034.RAW;1	20-DEC-1997 17:52:47
35	1	97C05240 X100 97C-0438-01	4797353035.RAW;1	20-DEC-1997 18:35:25
36	1	97C05241 X100 97C-0438-01	4797353036.RAW;1	20-DEC-1997 19:18:03
37	1	97C05242 X100 97C-0438-01	4797353037.RAW;1	20-DEC-1997 20:00:40
38	1	97C05243 X100 97C-0438-01	4797353038.RAW;1	20-DEC-1997 20:43:16
39	1	97C05244 X100 97C-0438-01	4797353039.RAW;1	20-DEC-1997 21:25:54
40	1	CCV_1660_1.0_2 138-WS-27590	4797353040.RAW;1	20-DEC-1997 22:08:30
41	1	97C05245 X100 97C-0438-01	4797353041.RAW;1	20-DEC-1997 22:51:09
42	1	97C05246 X100 97C-0438-01	4797353042.RAW;1	20-DEC-1997 23:33:43
43	1	97C05247 X100 97C-0438-01	4797353043.RAW;1	21-DEC-1997 00:16:22
44	1	97C05248 X100 97C-0438-01	4797353044.RAW;1	21-DEC-1997 00:58:57
45	1	RINSE	4797353045.RAW;1	21-DEC-1997 01:41:34
46	1	CCV_1660_1.0_3 138-WS-27590	4797353046.RAW;1	21-DEC-1997 02:24:08
47	1	97C05229 97C-0438-01	4797353047.RAW;1	21-DEC-1997 03:06:48
48	1	97C05229MS 97C-0438-01	4797353048.RAW;1	21-DEC-1997 03:49:22

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797353.SEQ;2 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
49	1	97C05229MSD 97C-0438-01	4797353049.RAW;1	21-DEC-1997 04:31:59
50	1	97C05230 97C-0438-01	4797353050.RAW;1	21-DEC-1997 05:14:35
51	1	97C05231 97C-0438-01	4797353051.RAW;1	21-DEC-1997 05:57:12
52	1	97C05232 97C-0438-01	4797353052.RAW;1	21-DEC-1997 06:39:46
53	1	97C05233 97C-0438-01	4797353053.RAW;1	21-DEC-1997 07:22:23
54	1	97C05234 97C-0438-01	4797353054.RAW;1	21-DEC-1997 08:04:58
55	1	RINSE	4797353055.RAW;1	21-DEC-1997 08:47:36
56	1	CCV_1660_1.0_4 138-WS-27590	4797353056.RAW;1	21-DEC-1997 09:30:10
57	1	97C05235 97C-0438-01	4797353057.RAW;1	21-DEC-1997 10:12:47
58	1	97C05236 97C-0438-01	4797353058.RAW;1	21-DEC-1997 10:55:22
59	1	97C05237 97C-0438-01	4797353059.RAW;1	21-DEC-1997 11:38:02
60	1	97C05238 97C-0438-01	4797353060.RAW;1	21-DEC-1997 12:20:38
61	1	97C05239 97C-0438-01	4797353061.RAW;1	21-DEC-1997 13:03:18
62	1	97C05240 97C-0438-01	4797353062.RAW;1	21-DEC-1997 13:45:55
63	1	97C05241 97C-0438-01	4797353063.RAW;1	21-DEC-1997 14:28:34
64	1	97C05242 97C-0438-01	4797353064.RAW;1	21-DEC-1997 15:11:11
65	1	97C05243 97C-0438-01	4797353065.RAW;1	21-DEC-1997 15:53:50
66	1	97C05244 97C-0438-01	4797353066.RAW;1	21-DEC-1997 16:36:26
67	1	RINSE	4797353067.RAW;1	21-DEC-1997 17:19:05
68	1	CCV_1660_1.0_5 138-WS-27590	4797353068.RAW;1	21-DEC-1997 18:01:41
69	1	97C05245 97C-0438-01	4797353069.RAW;1	21-DEC-1997 18:44:19
70	1	97C05246 97C-0438-01	4797353070.RAW;1	21-DEC-1997 19:26:53
71	1	97C05247 97C-0438-01	4797353071.RAW;1	21-DEC-1997 20:09:31
72	1	97C05248 97C-0438-01	4797353072.RAW;1	21-DEC-1997 20:52:07

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]4797353.SEQ;2 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
73	1	RINSE	4797353073.RAW;1	21-DEC-1997 21:34:44
74	1	CCV_1660_1.0_6 138-WS-27590	4797353074.RAW;1	21-DEC-1997 22:17:19

WT 1/5/98

Section 2:
Environmental Organic Analysis
(Rev. 1: 3/95)

Quantitation Data
Inventory Checklist

[M] 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 1/5/98

Sample Name	CL4XYL Result	PCB016 Result	PCB254 Result	PCB260 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	13.87	19.112	25.895	27.241	31.98	
	4.4734E-03	1.439	1.068	1.535	2.8694E-03	
PCB221_2.0	0.4025	0.8495	2.7178E-02	4.7068E-02	0.3869	
PCB232_2.0	0.3966	1.137	8.2657E-02	0.1044	0.363	
PCB242_2.0	0.3948	1.696	0.1792	0.1823	0.3532	
PCB248_2.0	0.3936	0.5897	0.5164	0.517	0.3295	
PCB262_2.0	1.1899E-05	3.6960E-03	5.4797E-03	0.1579	1.0748E-02	
	+	+	+	+	+	
$1660_2.0	0	0	0	0	0	
$1660_1.0	0	0	0	0	0	
$1660_0.20	0	0	0	0	0	
$1660_0.10	0	0	0	0	0	
$1660_0.02	0	0	0	0	0	
	+	+	+	+	+	
ICV_1660_1.0	5.0848E-03	1.382	0.165	1.22	5.1330E-02	
$1254_2.0	0	0	0	0	0	
$1254_1.0	0	0	0	0	0	
$1254_0.20	0	0	0	0	0	
$1254_0.10	0	0	0	0	0	
	+	+	+	+	+	
$1254_0.02	0	0	0	0	0	
ICV_1254_1.0		1.0415E-02	0.7243	1.324	1.3870E-02	
RINSE	7.1394E-06	1.3140E-04	3.1096E-04	4.8122E-04	3.8068E-05	
BL-142141-1	17.54	0.5418	2.353	4.891	19.51	
QC-142141-1	20.15	161.7	24.68	187.8	22.12	
	+	+	+	+	+	
97C05229 X10	0.1611	0.5609	9.948	21.31	0.3854	
97C05229MS X	0.1945	3.795	14.06	29.58	0.5219	
97C05229MSD	0.1841	2.879	14.56	30	0.5677	
97C05230 X10	0.1531	4.468	41.95	70.2	0.7051	
97C05231 X10	0.1661	3.0712E-02	0.9156	1.108	0.2147	
	+	+	+	+	+	
97C05232 X10	0.1588	3.444	38.34	59.14	3.0259E-02	
97C05233 X10	0.3115	1.686	7.946	7.882	0.2654	
97C05234 X10	0.2003	11.58	36.87	48.09	0.4068	
CCV_1660_1.0	0.203	0.959	0.1045	1.013	0.2157	
97C05235 X10	0.2189	1.766	35.26	68.23	0.8892	
	+	+	+	+	+	
97C05236 X10	0.27	2.029	5.306	4.013	0.1766	
97C05237 X10	0.1566	1.963	23.91	40.92	0.5268	
97C05238 X10	0.1759	0.17	0.3592	0.7466	0.164	
97C05239 X10	0.114	2.0515E-02	0.602	1.026		
97C05240 X10	0.1716	7.0655E-02	6.026	11.17	0.243	
	+	+	+	+	+	
97C05241 X10	0.1651	0.89	17.12	29.19	0.6194	
97C05242 X10	0.1873	0.1951	39.15	80.06	0.8766	
97C05243 X10	0.1679	1.953	35.09	59.03	0.6311	
97C05244 X10	0.1913	1.771	23.45	47.45	0.7675	
CCV_1660_1.0	0.2109	0.9599	0.1066	1.013	0.2228	
	+	+	+	+	+	

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PENelson ACCESS*CHROM V1.8 Peak Summary Worksheet

Sample Name	CL4XYL Result	PCB016 Result	PCB254 Result	PCB260 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	13.87	19.112	25.895	27.241	31.98	
	4.4734E-03	1.439	1.068	1.535	2.8694E-03	
97C05245 X10	0.2153	3.914	31.98	60.25	0.7353	
97C05246 X10	0.201	1.092	27.38	53.46	0.7684	
97C05247 X10	0.2467	45.41	112.6	193.9	1.873	
97C05248 X10	0.1707	2.43	35.38	66.27	0.9516	
RINSE		1.7724E-04	3.7371E-04	5.2706E-04	6.4423E-05	
+	+	+	+	+	+	
CCV_1660_1.0	0.2097	0.9312	9.8853E-02	1.002	0.2346	
97C05229	18.15	49.01	591.9	1297	46.68	
97C05229MS	19.21	221.1	464.6	1682	49.92	
97C05229MSD	18.09	186.6	666	1508	47.84	
97C05230	13.09	273.5	0	1238	48.53	
+	+	+	+	+	+	
97C05231	18.27	7.577	105.6	145.6	20.66	
97C05232	13.57	376.4	0	2911	40.39	
97C05233	14.16	20.9	344.5	793.2	21.48	
97C05234	13.98	190.3	0	725.4	29.19	
RINSE		3.2180E-04	1.8062E-03	1.3187E-03		
+	+	+	+	+	+	
CCV_1660_1.0	0.2102	0.9816	0.1043	1.062	0.2506	
97C05235	18.43	117.9	0	1059	72.37	
97C05236	14.54	26.32	219	433.6	22.81	
97C05237	15.49	120.6	0	2250	43.26	
97C05238	19.73	42.51	205.8	240.3	22.35	
+	+	+	+	+	+	
97C05239	13.28	1.445	59.56	117.6	0.8931	
97C05240	20.12	10.15	652.8	865.9	31.92	
97C05241	12.97	72.17	277.8	1836	51.26	
97C05242	17.09	61.63	0	758.1	100.5	
97C05243	14.37	107	0	2472	45.06	
+	+	+	+	+	+	
97C05244	17.93	102	0	2487	65.45	
RINSE	6.1195E-06	3.1569E-04	1.4777E-03	2.8493E-03	1.5227E-04	
CCV_1660_1.0	0.2059	0.9639	0.1018	1.018	0.2391	
97C05245	14.69	102.4	0	2709	52	
97C05246	19.42	111.1	0	3176	70.96	
+	+	+	+	+	+	
97C05247	11.52	110.4	0	978.4	82.04	
97C05248	14.7	160.9	0	3617	65.37	
RINSE	6.1195E-06	4.1646E-04	1.7947E-03	2.5841E-03	8.7848E-05	
CCV_1660_1.0	0.2106	0.9388	9.3349E-02	0.9139	0.2166	

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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

Y The calibration data inventory checklist above is complete.

Y 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.

Y 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..... 2-JAN-1998 12:14:17.02 User: TAYLORC
Report number.....1197270209
Raw file.....DISK:[TAYLORC]4797353006.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;61
Last method update.. 2-JAN-1998 12:14:18.91

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Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 22:01:23
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....120
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

==========

EXTERNAL STANDARD CALIBRATION

==========

Calibration Sample name: $1660_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.862	962779	0.40000	2.407E+06	
PCB016	16.602	115646	0.40000	2.891E+05	
PCB016	18.397	171793	0.40000	4.295E+05	
PCB016	19.657	99063	0.40000	2.477E+05	
PCB016	20.015	223963	0.40000	5.599E+05	
PCB016	20.691	114040	0.40000	2.851E+05	
PCB254	24.385	71090			
PCB260	24.660	54816	0.40000	1.370E+05	
PCB254	24.988	4221			
PCB254	26.121	4771			
PCB254	26.371	13101			
PCB260	26.803	71955	0.40000	1.799E+05	
PCB254	27.341	11780			

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PCB260	27.538	106637	0.40000	2.666E+05
PCB260	27.906	106086	0.40000	2.652E+05
PCB260	29.298	62513	0.40000	1.563E+05
DBUCLE	31.984	159646	0.40000	3.991E+05

METHOD CALIBRATION CHANGES

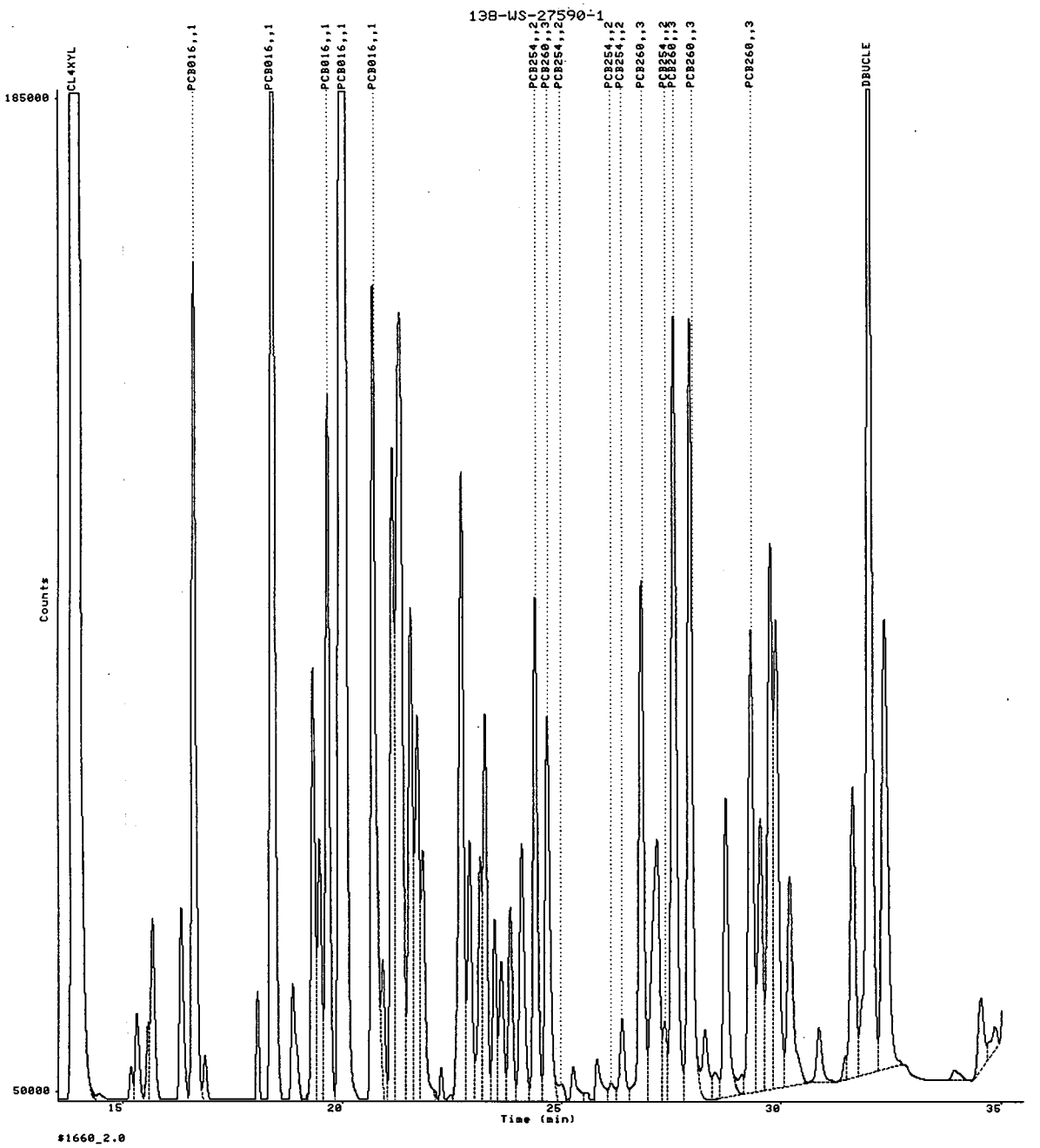
Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838	2.407E+06	2.407E+06		1
PCB016	16.596	16.596	2.891E+05	2.891E+05		1
PCB016	18.366	18.366	4.295E+05	4.295E+05		1
PCB016	19.660	19.660	2.477E+05	2.477E+05		1
PCB016	20.034	20.034	5.599E+05	5.599E+05		1
PCB016	20.715	20.715	2.851E+05	2.851E+05		1
PCB254	24.390	24.390				0
PCB260	24.664	24.664	1.370E+05	1.370E+05		1
PCB254	24.978	24.978				0
PCB254	26.113	26.113				0
PCB254	26.367	26.367				0
PCB260	26.834	26.834	1.799E+05	1.799E+05		1
PCB254	27.355	27.355				0
PCB260	27.557	27.557	2.666E+05	2.666E+05		1
PCB260	27.966	27.966	2.652E+05	2.652E+05		1
PCB260	29.328	29.328	1.563E+05	1.563E+05		1
DBUCLE	31.983	31.983	3.991E+05	3.991E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

00200

Data file: DISK:[TAYLORC]4797353006.RAW;1
Report: 1197270209
Acquired: 19-DEC-1997 22:01:23
Time range: 13.50-35.50



00201

Date..... 2-JAN-1998 12:14:22.60 User: TAYLORC
Report number.....1197270210
Raw file.....DISK:[TAYLORC]4797353007.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;62
Last method update.. 2-JAN-1998 12:14:24.36

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 22:43:58
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....105
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....0

==========
EXTERNAL STANDARD CALIBRATION
==========
Calibration Sample name: $1660_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.872	537329	0.20000	2.687E+06	
PCB016	16.610	63677	0.20000	3.184E+05	
PCB016	18.404	103561	0.20000	5.178E+05	
PCB016	19.662	55288	0.20000	2.764E+05	
PCB016	20.023	127915	0.20000	6.396E+05	
PCB016	20.697	65224	0.20000	3.261E+05	
PCB254	24.387	34994			
PCB260	24.664	29585	0.20000	1.479E+05	
PCB254	24.975	788			
PCB254	26.112	1115			
PCB254	26.374	4896			
PCB260	26.803	36247	0.20000	1.812E+05	
PCB254	27.346	3096			
PCB260	27.539	56132	0.20000	2.807E+05	
PCB260	27.907	54391	0.20000	2.720E+05	
PCB260	29.297	31502	0.20000	1.575E+05	

DBUCLE	31.984	74037	0.20000	3.702E+05

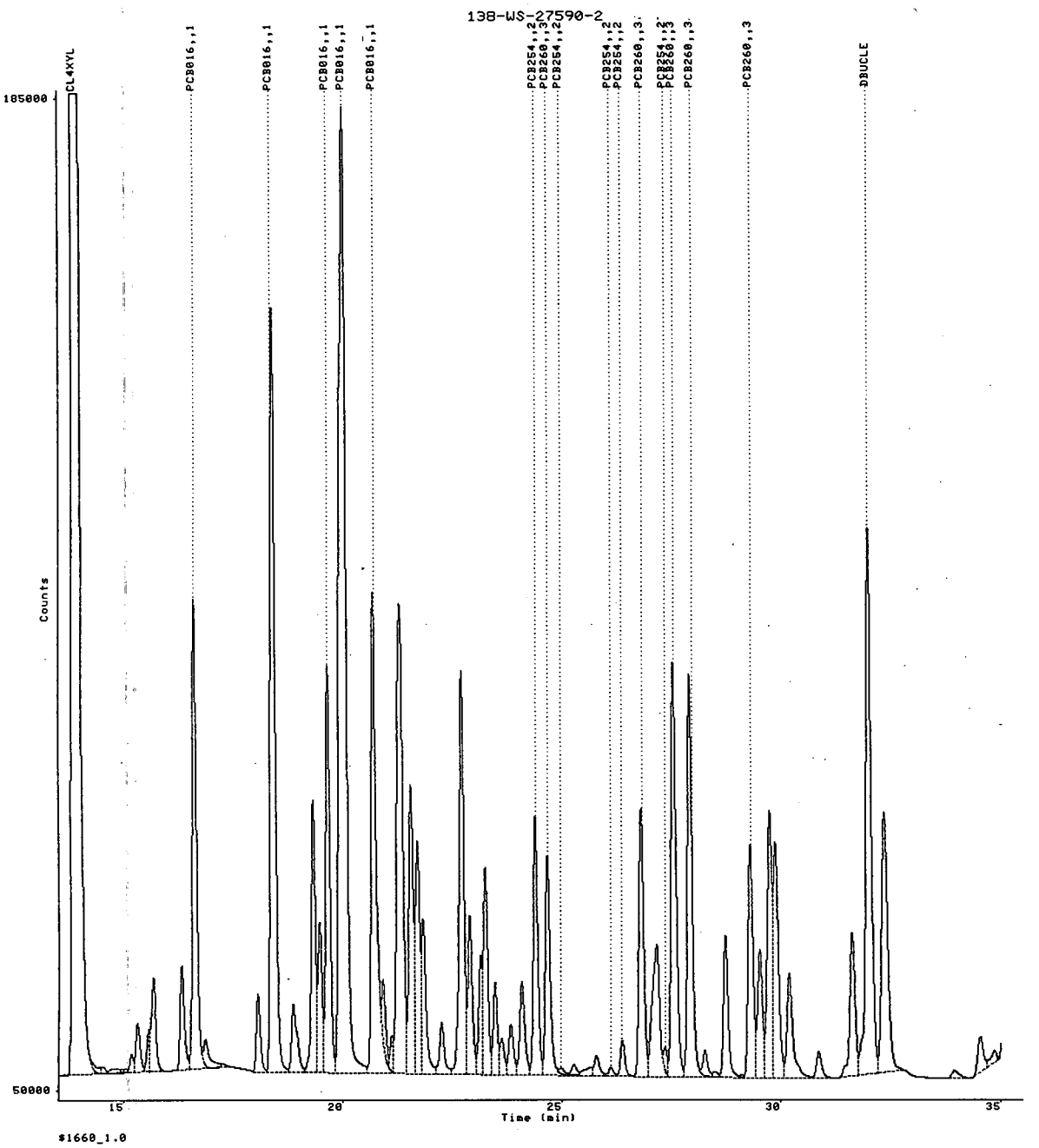
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838	2.687E+06	2.687E+06		1
PCB016	16.596	16.596	3.184E+05	3.184E+05		1
PCB016	18.366	18.366	5.178E+05	5.178E+05		1
PCB016	19.660	19.660	2.764E+05	2.764E+05		1
PCB016	20.034	20.034	6.396E+05	6.396E+05		1
PCB016	20.715	20.715	3.261E+05	3.261E+05		1
PCB254	24.390	24.390				0
PCB260	24.664	24.664	1.479E+05	1.479E+05		1
PCB254	24.978	24.978				0
PCB254	26.113	26.113				0
PCB254	26.367	26.367				0
PCB260	26.834	26.834	1.812E+05	1.812E+05		1
PCB254	27.355	27.355				0
PCB260	27.557	27.557	2.807E+05	2.807E+05		1
PCB260	27.966	27.966	2.720E+05	2.720E+05		1
PCB260	29.328	29.328	1.575E+05	1.575E+05		1
DBUCLE	31.983	31.983	3.702E+05	3.702E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353007.RAW;1
Report: 1197270210
Acquired: 19-DEC-1997 22:43:58
Time range: 13.50-35.50



00204

Date..... 2-JAN-1998 12:14:27.53 User: TAYLORC
Report number.....1197270211
Raw file.....DISK:[TAYLORC]4797353008.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;63
Last method update.. 2-JAN-1998 12:14:29.45

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 23:26:28
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....127
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
24.98	PCB254	2		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	13.866	113137	4.0000E-02	2.828E+06		
PCB016	16.606	16044	4.0000E-02	4.011E+05		
PCB016	18.393	25711	4.0000E-02	6.428E+05		
PCB016	19.655	13917	4.0000E-02	3.479E+05		
PCB016	20.013	29395	4.0000E-02	7.349E+05		
PCB016	20.690	15295	4.0000E-02	3.824E+05		
PCB254	24.380	8659				
PCB260	24.656	6026	4.0000E-02	1.506E+05		
PCB254	26.161	50				

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PCB254	26.365	1017		
PCB260	26.796	7772	4.0000E-02	1.943E+05
PCB254	27.342	992		
PCB260	27.533	12875	4.0000E-02	3.219E+05
PCB260	27.902	11799	4.0000E-02	2.950E+05
PCB260	29.290	6774	4.0000E-02	1.694E+05
DBUCLE	31.979	14157	4.0000E-02	3.539E+05

METHOD CALIBRATION CHANGES

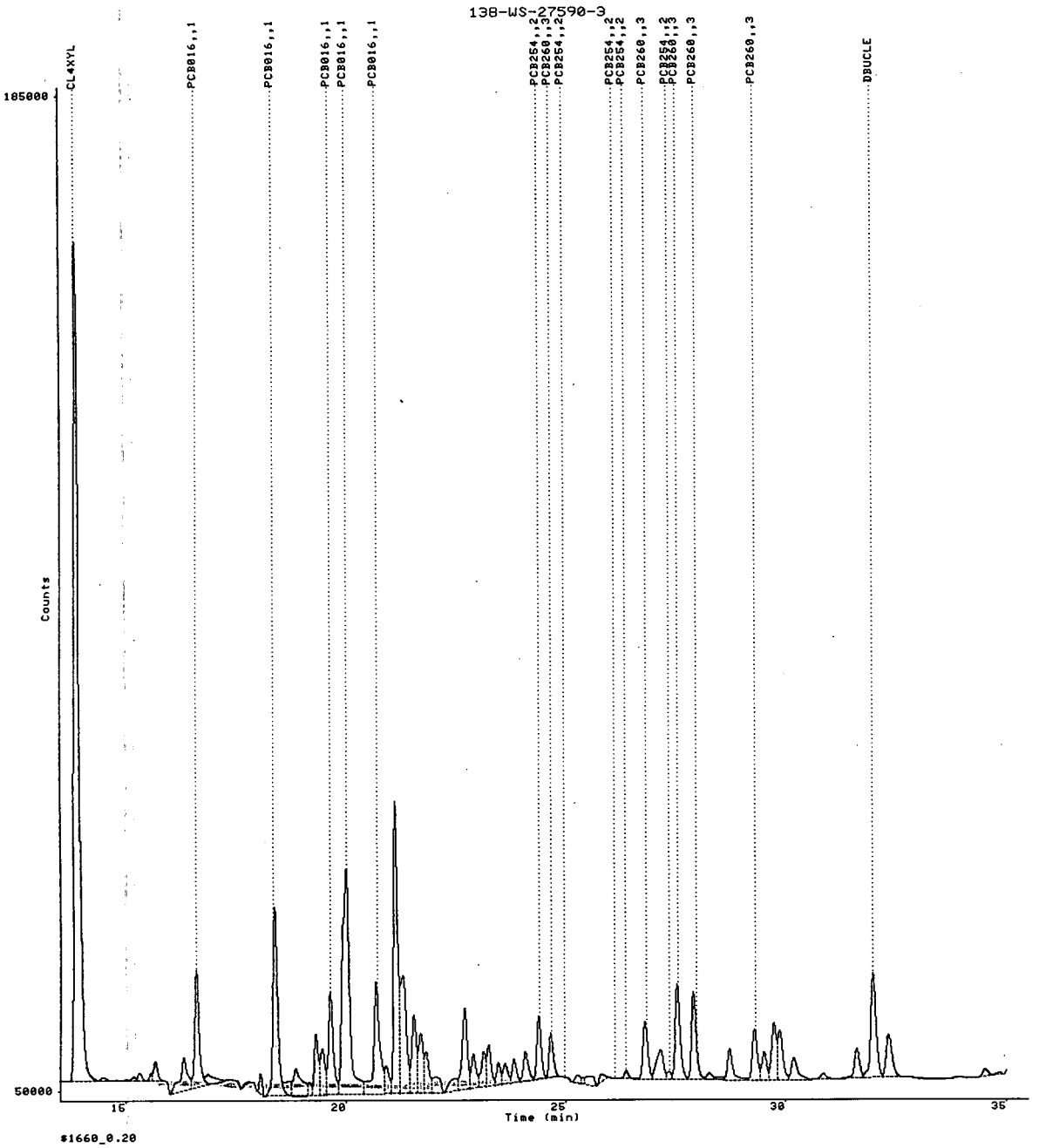
Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838	2.828E+06	2.828E+06		1
PCB016	16.596	16.596	4.011E+05	4.011E+05		1
PCB016	18.366	18.366	6.428E+05	6.428E+05		1
PCB016	19.660	19.660	3.479E+05	3.479E+05		1
PCB016	20.034	20.034	7.349E+05	7.349E+05		1
PCB016	20.715	20.715	3.824E+05	3.824E+05		1
PCB254	24.390	24.390				0
PCB260	24.664	24.664	1.506E+05	1.506E+05		1
PCB254	26.113	26.113				0
PCB254	26.367	26.367				0
PCB260	26.834	26.834	1.943E+05	1.943E+05		1
PCB254	27.355	27.355				0
PCB260	27.557	27.557	3.219E+05	3.219E+05		1
PCB260	27.966	27.966	2.950E+05	2.950E+05		1
PCB260	29.328	29.328	1.694E+05	1.694E+05		1
DBUCLE	31.983	31.983	3.539E+05	3.539E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353008.RAW;1
Report: 1197270211
Acquired: 19-DEC-1997 23:26:28
Time range: 13.50-35.50

AR 1260



00207

Date..... 2-JAN-1998 12:14:32.83 User: TAYLORC
Report number.....1197270212
Raw file.....DISK:[TAYLORC]4797353009.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;64
Last method update.. 2-JAN-1998 12:14:34.75

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....20-DEC-1997 00:09:02
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....128
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
24.98	PCB254	2		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	13.870	50376	2.0000E-02	2.519E+06		
PCB016	16.612	7351	2.0000E-02	3.676E+05		
PCB016	18.401	12192	2.0000E-02	6.096E+05		
PCB016	19.661	5862	2.0000E-02	2.931E+05		
PCB016	20.020	13175	2.0000E-02	6.588E+05		
PCB016	20.697	6623	2.0000E-02	3.312E+05		
PCB254	24.385	4207				
PCB260	24.661	2908	2.0000E-02	1.454E+05		
PCB254	26.119	101				

PCB254	26.373	476		
PCB260	26.800	3675	2.0000E-02	1.838E+05
PCB254	27.343	268		
PCB260	27.536	5974	2.0000E-02	2.987E+05
PCB260	27.906	5467	2.0000E-02	2.734E+05
PCB260	29.295	3060	2.0000E-02	1.530E+05
DBUCLE	31.980	6440	2.0000E-02	3.220E+05

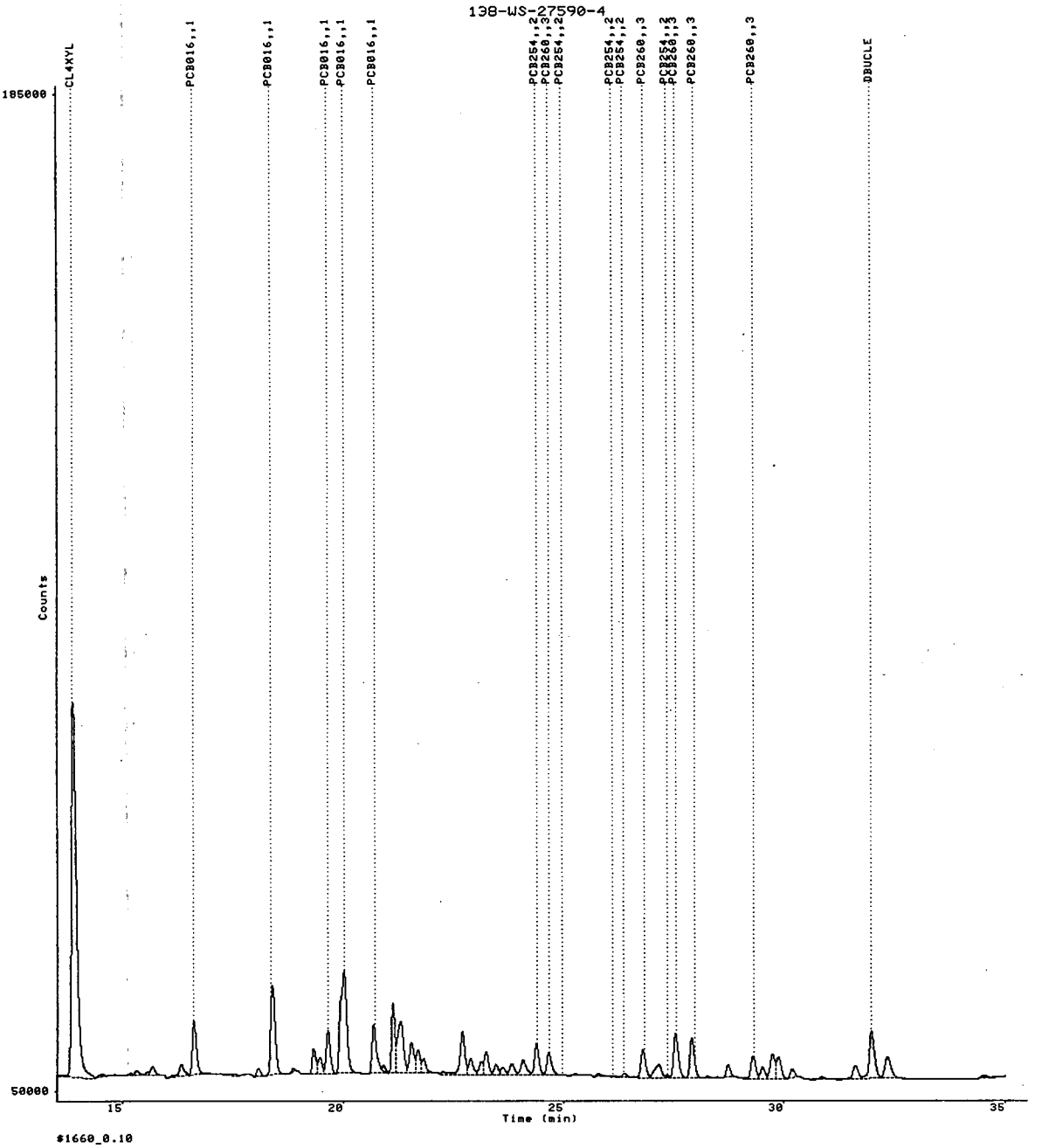
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838	2.519E+06	2.519E+06		1
PCB016	16.596	16.596	3.676E+05	3.676E+05		1
PCB016	18.366	18.366	6.096E+05	6.096E+05		1
PCB016	19.660	19.660	2.931E+05	2.931E+05		1
PCB016	20.034	20.034	6.588E+05	6.588E+05		1
PCB016	20.715	20.715	3.312E+05	3.312E+05		1
PCB254	24.390	24.390				0
PCB260	24.664	24.664	1.454E+05	1.454E+05		1
PCB254	26.113	26.113				0
PCB254	26.367	26.367				0
PCB260	26.834	26.834	1.838E+05	1.838E+05		1
PCB254	27.355	27.355				0
PCB260	27.557	27.557	2.987E+05	2.987E+05		1
PCB260	27.966	27.966	2.734E+05	2.734E+05		1
PCB260	29.328	29.328	1.530E+05	1.530E+05		1
DBUCLE	31.983	31.983	3.220E+05	3.220E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353009.RAW;1
Report: 1197270212
Acquired: 20-DEC-1997 00:09:02
Time range: 13.50-35.50



00210

Date..... 2-JAN-1998 12:14:38.20 User: TAYLORC
Report number.....1197270213
Raw file.....DISK:[TAYLORC]4797353010.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;65
Last method update.. 2-JAN-1998 12:14:40.00

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 00:51:32
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.02
Notes.....138-WS-27588-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....138
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
24.98	PCB254	2	

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.02

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.875	11968	4.0000E-03	2.992E+06	
PCB016	16.619	1758	4.0000E-03	4.395E+05	
PCB016	18.405	3158	4.0000E-03	7.895E+05	
PCB016	19.663	1461	4.0000E-03	3.652E+05	
PCB016	20.026	3272	4.0000E-03	8.180E+05	
PCB016	20.702	1672	4.0000E-03	4.180E+05	
PCB254	24.386	1103			
PCB260	24.673	580	4.0000E-03	1.450E+05	
PCB254	26.106	43			

PCB254	26.373	137		
PCB260	26.801	925	4.0000E-03	2.312E+05
PCB254	27.344	16		
PCB260	27.539	1574	4.0000E-03	3.935E+05
PCB260	27.907	1506	4.0000E-03	3.765E+05
PCB260	29.296	820	4.0000E-03	2.050E+05
DBUCLE	31.983	1644	4.0000E-03	4.110E+05

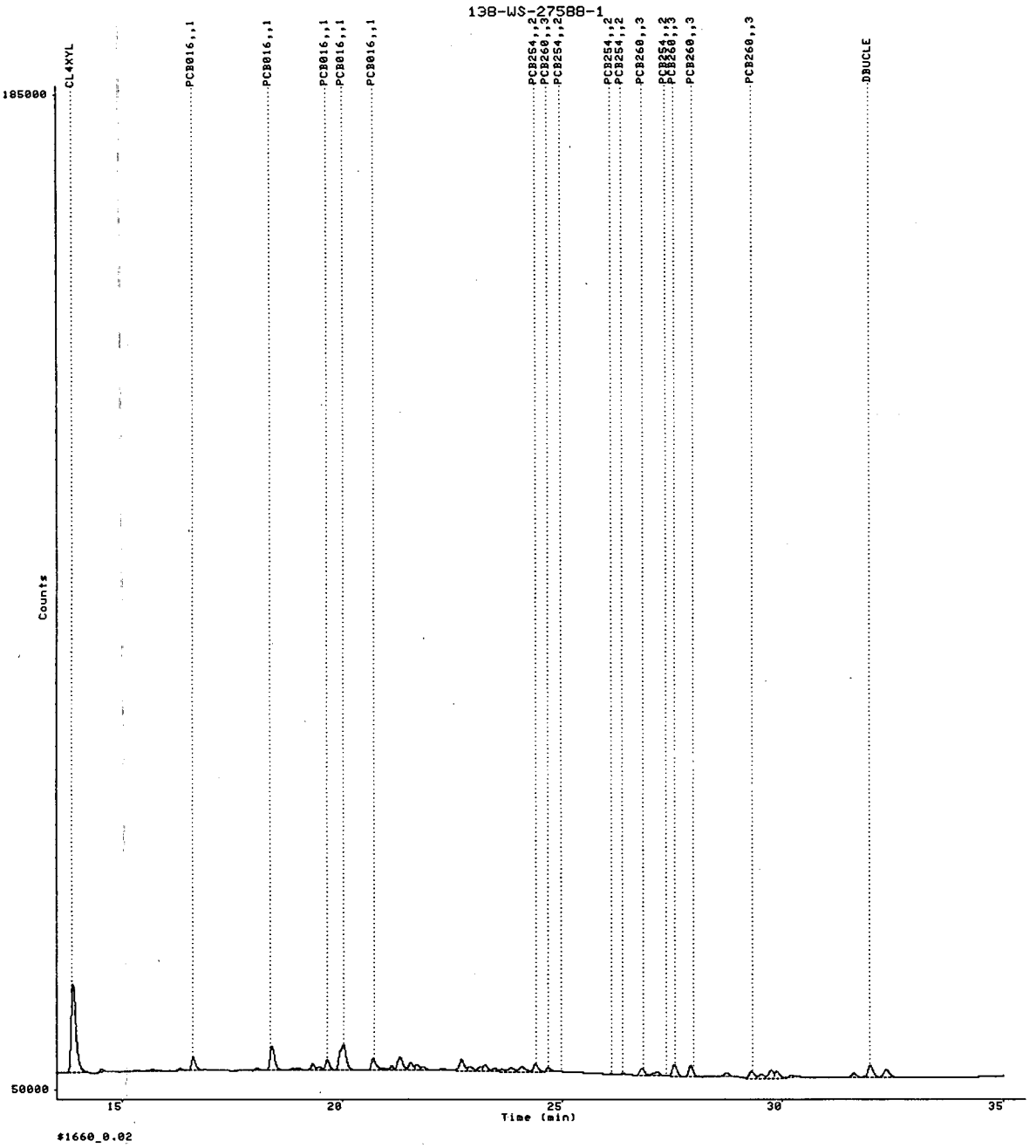
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838	2.992E+06	2.992E+06		1
PCB016	16.596	16.596	4.395E+05	4.395E+05		1
PCB016	18.366	18.366	7.895E+05	7.895E+05		1
PCB016	19.660	19.660	3.652E+05	3.652E+05		1
PCB016	20.034	20.034	8.180E+05	8.180E+05		1
PCB016	20.715	20.715	4.180E+05	4.180E+05		1
PCB254	24.390	24.390				0
PCB260	24.664	24.664	1.450E+05	1.450E+05		1
PCB254	26.113	26.113				0
PCB254	26.367	26.367				0
PCB260	26.834	26.834	2.312E+05	2.312E+05		1
PCB254	27.355	27.355				0
PCB260	27.557	27.557	3.935E+05	3.935E+05		1
PCB260	27.966	27.966	3.765E+05	3.765E+05		1
PCB260	29.328	29.328	2.050E+05	2.050E+05		1
DBUCLE	31.983	31.983	4.110E+05	4.110E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353010.RAW;1
Report: 1197270213
Acquired: 20-DEC-1997 00:51:32
Time range: 13.50-35.50



00213

Date..... 2-JAN-1998 12:14:43.10 User: TAYLORC
Report number.....1197270214
Raw file.....DISK:[TAYLORC]4797353012.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;66
Last method update.. 2-JAN-1998 12:14:44.97

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....12

Acq. date.....20-DEC-1997 02:16:34
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....125
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....0

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1254_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.864	978526			
PCB016	16.605	6115			
PCB016	18.374	5612			
PCB016	19.640	2992			
PCB016	19.963	6039			
PCB016	20.678	2547			
PCB254	24.379	156229	0.40000	3.906E+05	
PCB260	24.658	129352			
PCB254	24.979	66233	0.40000	1.656E+05	
PCB254	26.109	56800	0.40000	1.420E+05	
PCB254	26.368	95941	0.40000	2.399E+05	
PCB260	26.825	188222			
PCB254	27.344	107640	0.40000	2.691E+05	
PCB260	27.532	60918			
PCB260	27.897	57517			
PCB260	29.281	42581			

DBUCLE 31.976 190671

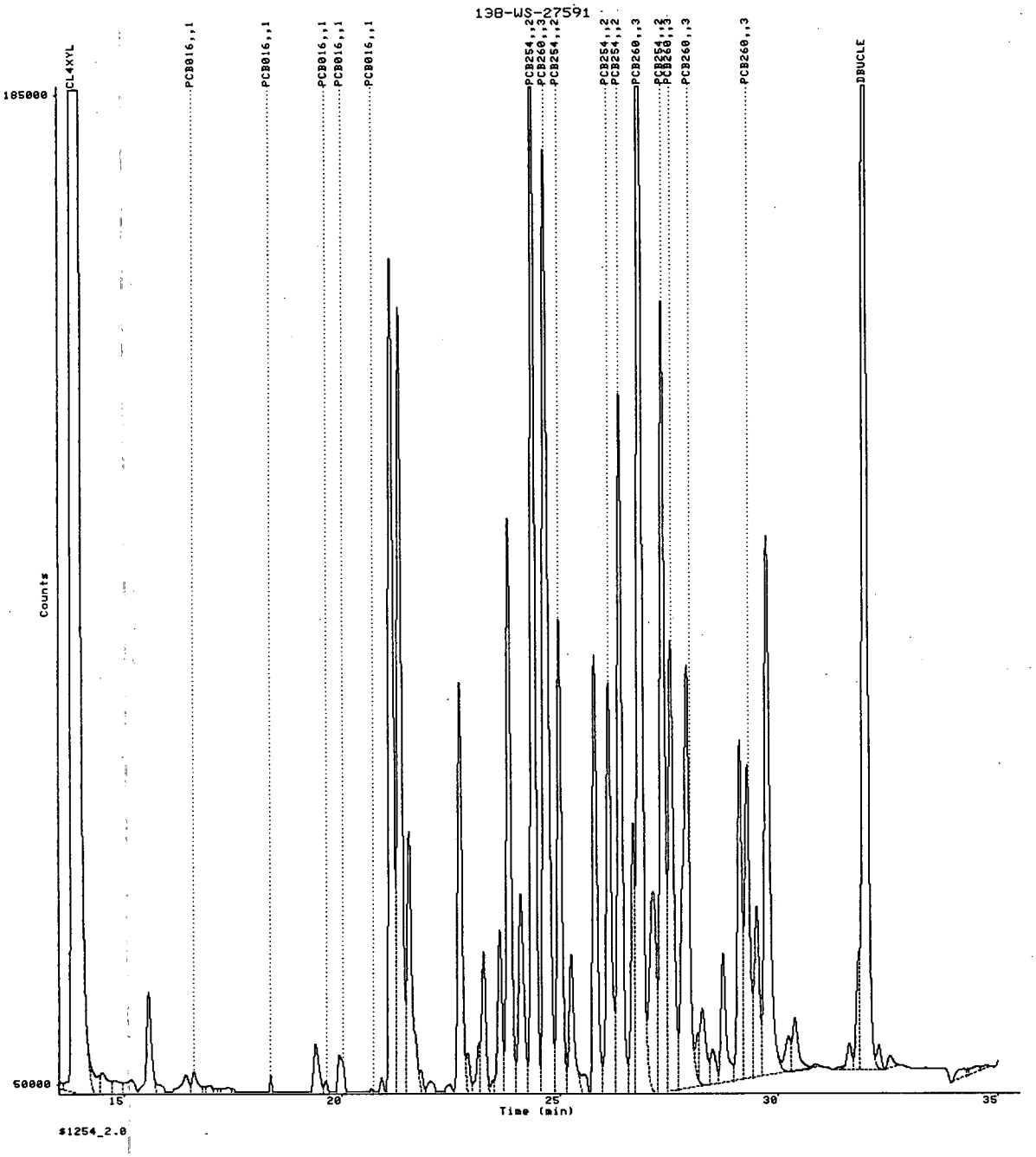
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838				0
PCB016	16.596	16.596				0
PCB016	18.366	18.366				0
PCB016	19.660	19.660				0
PCB016	20.034	20.034				0
PCB016	20.715	20.715				0
PCB254	24.390	24.390	3.906E+05	3.906E+05		1
PCB260	24.664	24.664				0
PCB254	24.978	24.978	1.656E+05	1.656E+05		1
PCB254	26.113	26.113	1.420E+05	1.420E+05		1
PCB254	26.367	26.367	2.399E+05	2.399E+05		1
PCB260	26.834	26.834				0
PCB254	27.355	27.355	2.691E+05	2.691E+05		1
PCB260	27.557	27.557				0
PCB260	27.966	27.966				0
PCB260	29.328	29.328				0
DBUCLE	31.983	31.983				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353012.RAW;1
Report: 1197270214
Acquired: 20-DEC-1997 02:16:34
Time range: 13.50-35.50



00216

Date..... 2-JAN-1998 12:14:48.18 User: TAYLORC
Report number.....1197270215
Raw file.....DISK:[TAYLORC]4797353013.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;67
Last method update.. 2-JAN-1998 12:14:50.02

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....12

Acq. date.....20-DEC-1997 02:59:05
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....123
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

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EXTERNAL STANDARD CALIBRATION
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Calibration Sample name: $1254_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.871	684061			
PCB016	16.617	1085			
PCB016	18.399	2100			
PCB016	19.662	1016			
PCB016	19.970	3146			
PCB016	20.699	1053			
PCB254	24.386	94652	0.20000	4.733E+05	
PCB260	24.666	83373			
PCB254	24.986	38525	0.20000	1.926E+05	
PCB254	26.114	32232	0.20000	1.612E+05	
PCB254	26.374	55787	0.20000	2.789E+05	
PCB260	26.833	105926			
PCB254	27.352	59198	0.20000	2.960E+05	
PCB260	27.537	34850			
PCB260	27.902	33041			
PCB260	29.286	23823			

DBUCLE 31.982 106717

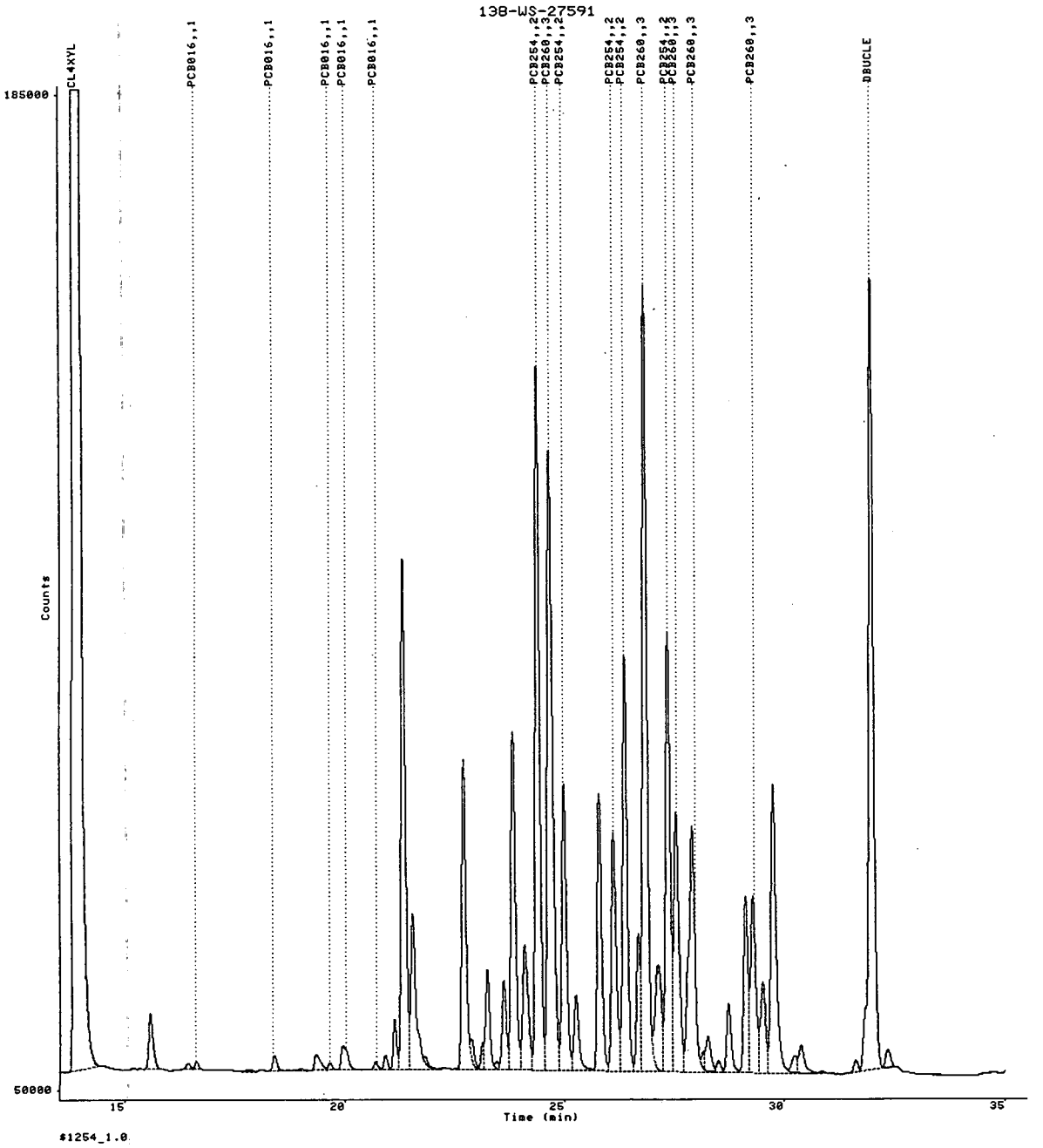
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838				0
PCB016	16.596	16.596				0
PCB016	18.366	18.366				0
PCB016	19.660	19.660				0
PCB016	20.034	20.034				0
PCB016	20.715	20.715				0
PCB254	24.390	24.390	4.733E+05	4.733E+05		1
PCB260	24.664	24.664				0
PCB254	24.978	24.978	1.926E+05	1.926E+05		1
PCB254	26.113	26.113	1.612E+05	1.612E+05		1
PCB254	26.367	26.367	2.789E+05	2.789E+05		1
PCB260	26.834	26.834				0
PCB254	27.355	27.355	2.960E+05	2.960E+05		1
PCB260	27.557	27.557				0
PCB260	27.966	27.966				0
PCB260	29.328	29.328				0
DBUCLE	31.983	31.983				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353013.RAW;1
Report: 1197270215
Acquired: 20-DEC-1997 02:59:05
Time range: 13.50-35.50



00219

Date..... 2-JAN-1998 12:14:55.81 User: TAYLORC
Report number.....1197270216
Raw file.....DISK:[TAYLORC]4797353014.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;68
Last method update.. 2-JAN-1998 12:14:57.66

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....12

Acq. date.....20-DEC-1997 03:41:36
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....131
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

==========

EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1254_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.873	127515			
PCB016	16.620	105			
PCB016	18.385	515			
PCB016	19.657	290			
PCB016	19.958	282			
PCB016	20.696	172			
PCB254	24.384	18951	4.0000E-02	4.738E+05	
PCB260	24.664	16401			
PCB254	24.984	7138	4.0000E-02	1.784E+05	
PCB254	26.112	5815	4.0000E-02	1.454E+05	
PCB254	26.372	9780	4.0000E-02	2.445E+05	
PCB260	26.830	18979			
PCB254	27.351	10072	4.0000E-02	2.518E+05	
PCB260	27.534	6445			
PCB260	27.901	5685			
PCB260	29.282	4228			

00220

DBUCLE 31.977 15781

METHOD CALIBRATION CHANGES

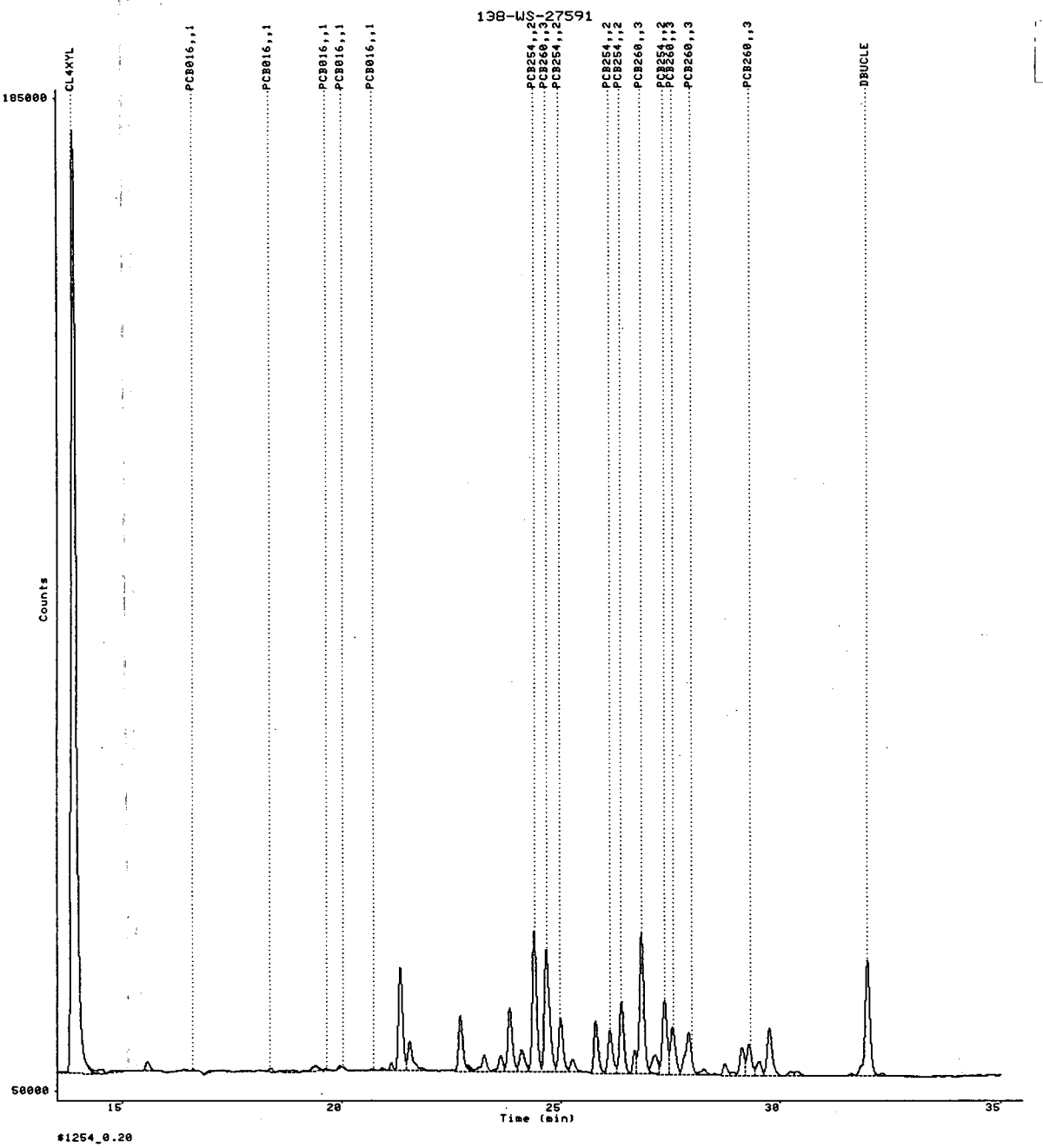
Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838				0
PCB016	16.596	16.596				0
PCB016	18.366	18.366				0
PCB016	19.660	19.660				0
PCB016	20.034	20.034				0
PCB016	20.715	20.715				0
PCB254	24.390	24.390	4.738E+05	4.738E+05		1
PCB260	24.664	24.664				0
PCB254	24.978	24.978	1.784E+05	1.784E+05		1
PCB254	26.113	26.113	1.454E+05	1.454E+05		1
PCB254	26.367	26.367	2.445E+05	2.445E+05		1
PCB260	26.834	26.834				0
PCB254	27.355	27.355	2.518E+05	2.518E+05		1
PCB260	27.557	27.557				0
PCB260	27.966	27.966				0
PCB260	29.328	29.328				0
DBUCLE	31.983	31.983				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353014.RAW;1
Report: 1197270216
Acquired: 20-DEC-1997 03:41:36
Time range: 13.50-35.50

AR 1254



00222

Date..... 2-JAN-1998 12:15:00.83 User: TAYLORC
Report number.....1197270217
Raw file.....DISK:[TAYLORC]4797353015.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;69
Last method update.. 2-JAN-1998 12:15:02.72

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....12

Acq. date.....20-DEC-1997 04:24:08
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....146
Area threshold.....48
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....Force
Retention times.....Unaltered
(1/x,y) exponent....0

==========
EXTERNAL STANDARD CALIBRATION
==========
Calibration Sample name: $1254_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	13.875	62589			
PCB016	16.623	28			
PCB016	18.383	347			
PCB016	19.657	73			
PCB016	19.957	153			
PCB016	20.678	37			
PCB254	24.385	10173	2.0000E-02	5.086E+05	
PCB260	24.666	8658			
PCB254	24.986	3747	2.0000E-02	1.874E+05	
PCB254	26.113	2983	2.0000E-02	1.492E+05	
PCB254	26.373	5007	2.0000E-02	2.504E+05	
PCB260	26.833	9906			
PCB254	27.353	4768	2.0000E-02	2.384E+05	
PCB260	27.536	3202			
PCB260	27.902	2978			
PCB260	29.284	2217			

DBUCLE 31.980 7897

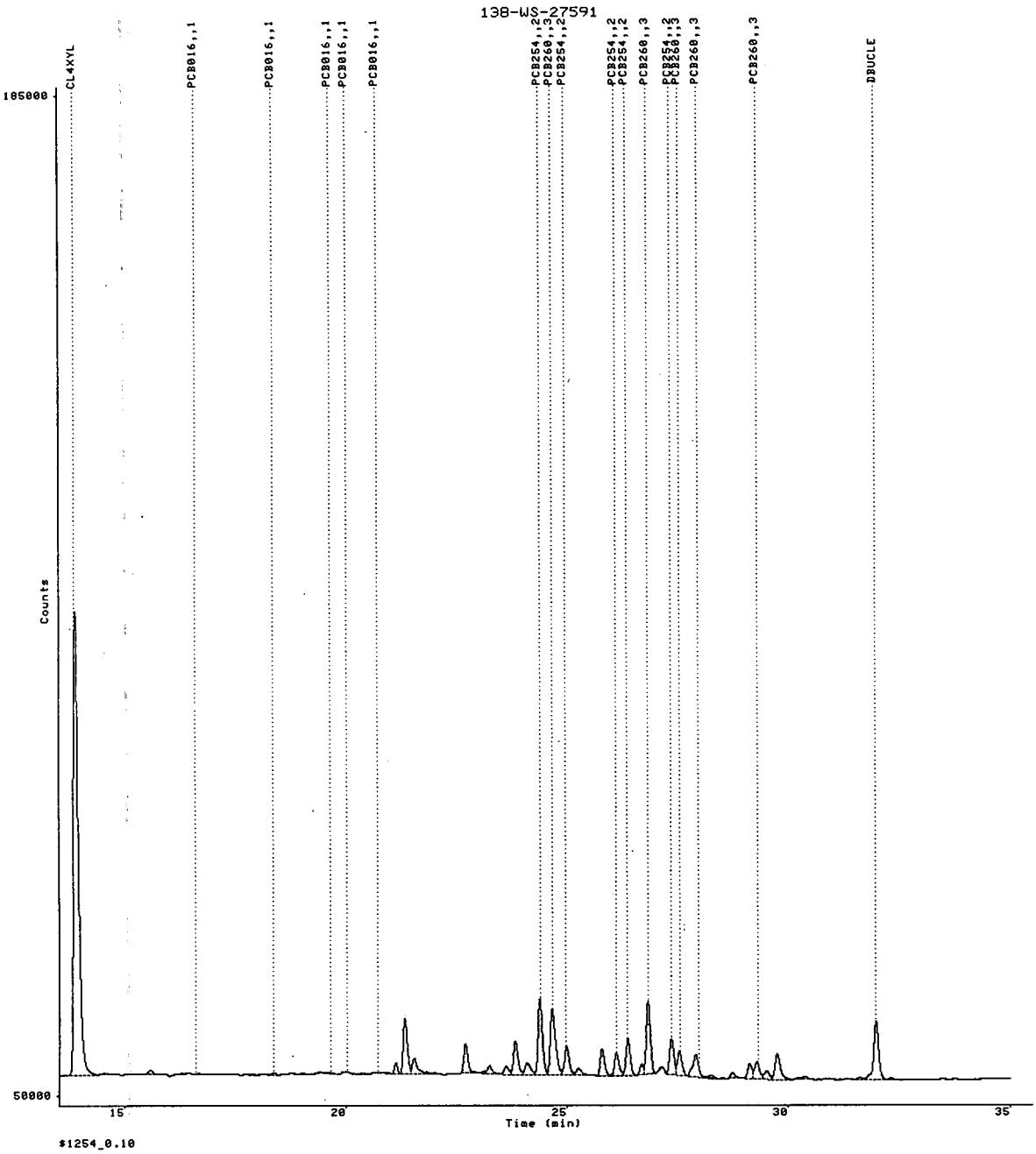
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838				0
PCB016	16.596	16.596				0
PCB016	18.366	18.366				0
PCB016	19.660	19.660				0
PCB016	20.034	20.034				0
PCB016	20.715	20.715				0
PCB254	24.390	24.390	5.086E+05	5.086E+05		1
PCB260	24.664	24.664				0
PCB254	24.978	24.978	1.874E+05	1.874E+05		1
PCB254	26.113	26.113	1.492E+05	1.492E+05		1
PCB254	26.367	26.367	2.504E+05	2.504E+05		1
PCB260	26.834	26.834				0
PCB254	27.355	27.355	2.384E+05	2.384E+05		1
PCB260	27.557	27.557				0
PCB260	27.966	27.966				0
PCB260	29.328	29.328				0
DBUCLE	31.983	31.983				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353015.RAW;1
Report: 1197270217
Acquired: 20-DEC-1997 04:24:08
Time range: 13.50-35.50



Date..... 2-JAN-1998 12:15:05.95 User: TAYLORC
Report number.....1197270218
Raw file.....DISK:[TAYLORC]4797353016.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;70
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....12

Acq. date.....20-DEC-1997 05:06:38
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....129
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Calib. factors.....Replace Retention times.....Unaltered
Volume injected.....1.00000 (1/x,y) exponent....0

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		
19.66	PCB016	1		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.02

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	13.869	14520				
PCB016	18.358	3192				
PCB016	20.041	1015				
PCB016	20.814	698				
PCB254	24.379	4301	4.0000E-03	1.075E+06		
PCB260	24.656	2050				
PCB254	24.991	1670	4.0000E-03	4.175E+05		
PCB254	26.112	3291	4.0000E-03	8.227E+05		

PCB254	26.367	3269	4.0000E-03	8.172E+05
PCB260	26.826	4367		
PCB254	27.348	2601	4.0000E-03	6.502E+05
PCB260	27.536	1870		
PCB260	27.908	1024		
PCB260	29.283	1243		
DBUCLE	31.978	1727		

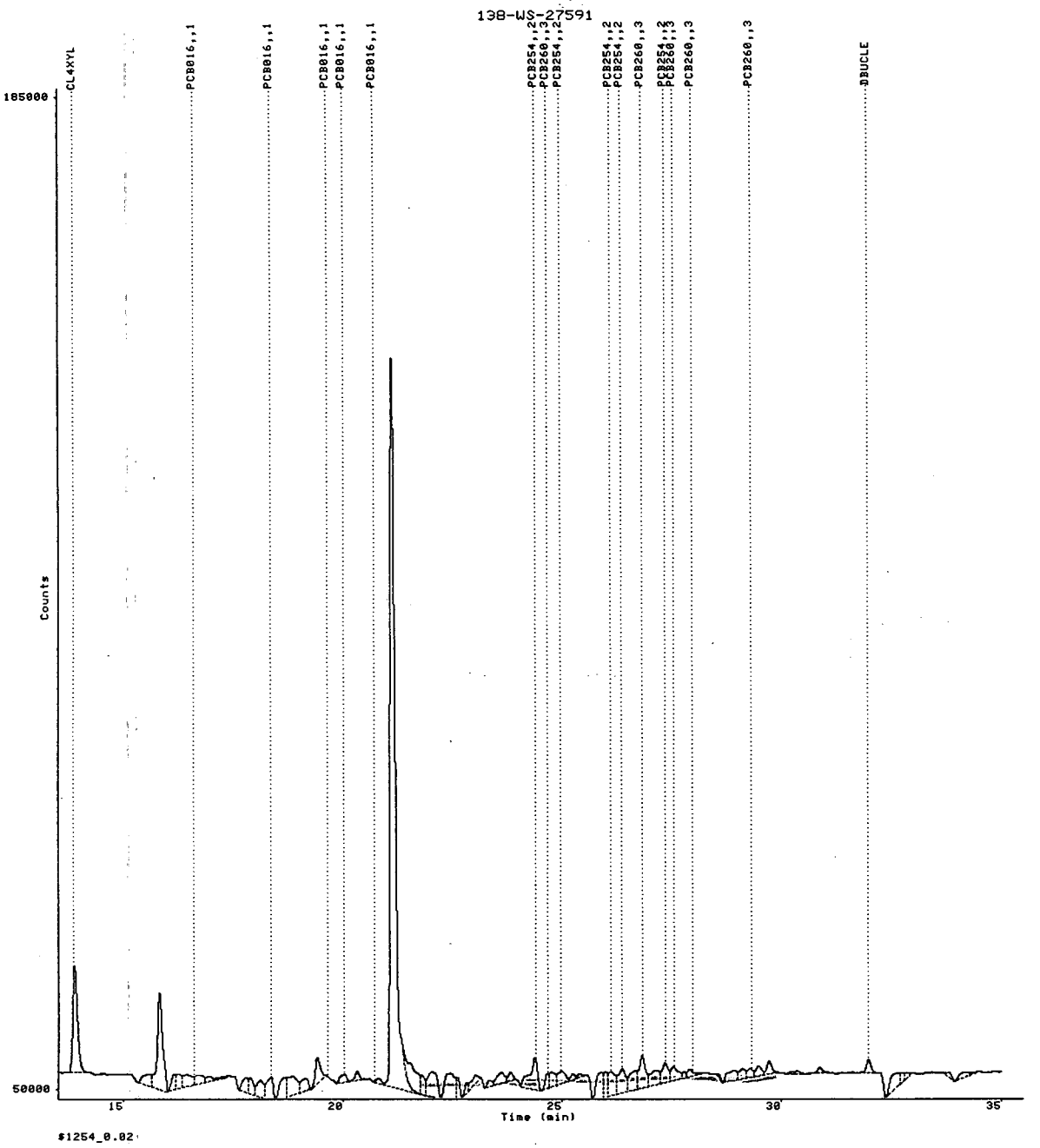
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	13.838	13.838				0
PCB016	18.366	18.366				0
PCB016	20.034	20.034				0
PCB016	20.715	20.715				0
PCB254	24.390	24.390	1.075E+06	1.075E+06		1
PCB260	24.664	24.664				0
PCB254	24.978	24.978	4.175E+05	4.175E+05		1
PCB254	26.113	26.113	8.228E+05	8.227E+05		1
PCB254	26.367	26.367	8.172E+05	8.172E+05		1
PCB260	26.834	26.834				0
PCB254	27.355	27.355	6.502E+05	6.502E+05		1
PCB260	27.557	27.557				0
PCB260	27.966	27.966				0
PCB260	29.328	29.328				0
DBUCLE	31.983	31.983				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)

Data file: DISK:[TAYLORC]4797353016.RAW;1
Report: 1197270218
Acquired: 20-DEC-1997 05:06:38
Time range: 13.50-35.50



00228

Date..... 2-JAN-1998 12:15:11.10 User: TAYLORC
Report number.....1197270219
Raw file.....DISK:[TAYLORC]4797353001.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 18:28:42
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....121
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.428			2676		BB	
	5.823			1162		BV	
	6.031			766		VB	
	6.629			33		BB	
	6.904			37		BB	
	7.003			170		BB	
	7.195			186		BV	
	7.268			172		VV	
	7.373			192		VB	
	7.569			137		BB	
	7.932			96		BV	
	8.079			3184		VB	
	8.413			137		EB	
	8.620			71		BB	
	9.314			21		BV	

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	9.378			21	VB	
	9.547			7797	BV	
	9.750			1456	VB	
	10.052			1140	BV	
	10.155			4475	VB	
	10.374			6898	BE	
	10.655			494	EB	
	10.888			65	BB	
	11.045			445	BE	
	11.165			5	EB	
	11.581			772	BE	
	11.815			79	EB	
	12.047			18	BB	
	12.236			28	BB	
	12.393			25	BB	
	12.597			55977	BB	
	13.068			24	BB	
	13.195			25	BB	
	13.352			27	BB	
	13.602			960	BB	
CL4XYL	13.860	-1.34	0.4025 +	968046	BE	
	14.418			1174	EB	
	15.174			15684	BV	
	15.305			20290	VV	
	15.662			85174	VE	
	16.123			74	EV	
	16.314			57656	VV	
PCB016	16.603	-0.45	0.6976 +	166300	VE	1
	16.862			28758	EB	
	17.306			52	BB	
	17.653			532	BE	
	17.904			55	EB	
	18.067			14343	BV	
PCB016	18.402	-2.19	0.05929	34773	VE	1
	18.870			1957	EV	
	18.956			1548	EV	
	19.329			7661	VV	
	19.472			4127	VV	
PCB016	19.656	0.23	0.03705	11314	VV	1
PCB016	20.022	0.71	0.02681	19060	VB	1
PCB016	20.695	1.20	0.02873	10431	BE	1
	21.115			194	EV	
	21.281			8008	VV	
	21.546			1946	VV	
	21.697			1097	VV	
	21.828			672	VB	
	22.227			418	BB	
	22.707			4892	BE	
	22.884			700	EV	
	23.136			770	EV	
	23.243			1515	VV	
	23.461			638	VV	
	23.619			1190	VV	
	23.825			2754	VV	
	24.094			2096	VV	
PCB254	24.381	0.53	7.320E-03	3982	VV	2
PCB260	24.666	-0.10	0.01865	2922	VV	3
PCB254	24.982	-0.23	5.279E-03	1128	VV	2
	25.266			1281	VB	
	25.782			1232	BB	

PCB254	26.110	0.15	5.479E-03	963	BV	2
PCB254	26.371	-0.27	5.330E-03	1637	VB	2
	26.674			446	BV	
PCB260	26.826	0.45	0.01639	3016	VE	3
	27.135			354	EV	
PCB254	27.349	0.37	3.770E-03	1175	VV	2
PCB260	27.535	1.35	3.821E-03	1141	VV	3
PCB260	27.898	4.08	3.725E-03	1046	VE	3
	28.157			69	EV	
	28.260			116	EB	
	28.459			35	BB	
	28.726			229	BB	
	29.101			760	BV	
PCB260	29.283	2.68	4.482E-03	717	VV	3
	29.498			277	VV	
	29.739			855	VB	
	30.216			261	BV	
	30.393			202	VB	
	30.823			131	BE	
	31.366			13	VB	
	31.611			53	BB	
DBUCLE	31.975	0.49	0.3869	153705	BE	
	32.318			354	EB	
	33.438			74	BV	
	33.610			30	VB	
	33.803			16	BB	
	33.953			28	BV	
	34.004			30	VV	
	34.058			20	VB	
	34.158			14	BB	
	34.515			59	BV	
	34.568			39	VB	
	34.825			27	BV	
	34.869			31	VB	

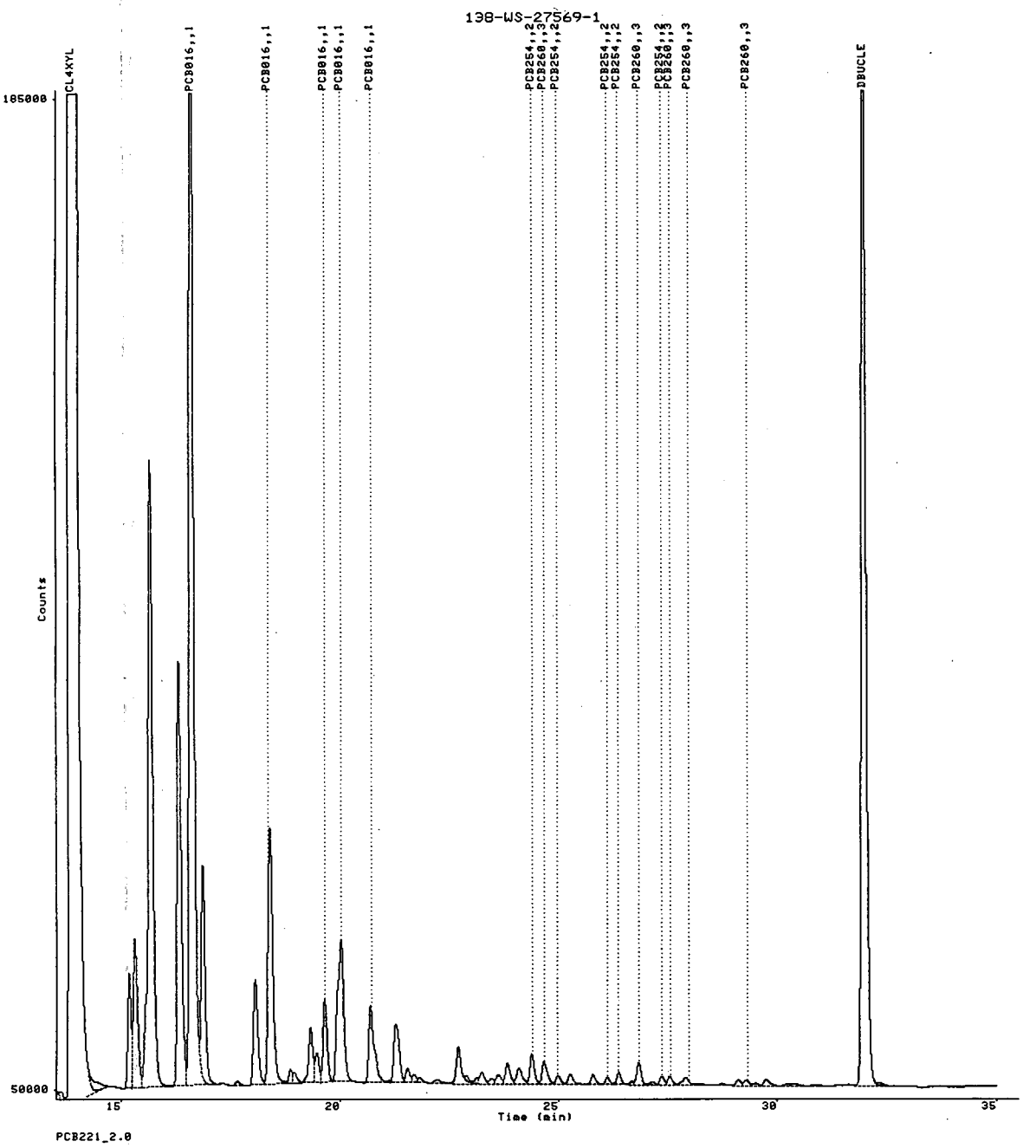
GROUP REPORT

Group	HEIGHT
1	0.8495
2	2.718E-02
3	4.707E-02

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353001.RAW;1
Report: 1197270219
Acquired: 19-DEC-1997 18:28:42
Time range: 13.50-35.50



00232

Date..... 2-JAN-1998 12:15:15.72 User: TAYLORC
Report number.....1197270220
Raw file.....DISK:[TAYLORC]4797353002.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 19:11:14
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....112
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.133			181		BB	
	5.419			1951		BB	
	5.556			336		BB	
	5.819			387		BB	
	6.017			282		BB	
	6.516			1799		BV	
	6.587			3998		VB	
	6.780			4502		BV	
	6.909			4308		VV	
	7.019			3735		VV	
	7.215			2800		VV	
	7.347			2322		VV	
	7.612			1363		VB	
	8.076			4205		BE	
	8.427			95		EB	

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	8.586			210	BV	
	8.904			905	VV	
	9.043			1276	VV	
	9.174			1408	VV	
	9.335			2106	VV	
	9.547			9867	VV	
	9.751			4803	VV	
	10.159			4584	VB	
	10.369			5541	BE	
	10.652			502	EB	
	10.911			80	BV	
	11.044			519	VB	
	11.334			357	BB	
	11.584			553	BE	
	11.805			48	EB	
	12.061			87	BV	
	12.221			28	VB	
	12.333			66	BV	
	12.446			212	VV	
	12.600			26474	VE	
	12.780			85	EV	
	13.200			814	EV	
	13.386			912	VV	
	13.642			927	VB	
CL4XYL	13.862	-1.45	0.3966	956992	BE	
	14.425			705	EB	
	15.175			8383	BV	
	15.307			13906	VV	
	15.664			47148	VE	
	16.121			36	EB	
	16.316			34695	BV	
PCB016	16.604	-0.49	0.4280 +	121528	VE	1
	16.863			13585	EV	
	17.299			244	VB	
	17.652			288	BV	
	17.883			114	VB	
	18.069			13976	BV	
PCB016	18.400	-2.06	0.1820	96409	VV	1
	18.871			8534	VV	
	19.326			34285	VV	
	19.472			18523	VV	
PCB016	19.658	0.09	0.1781	50357	VV	1
PCB016	20.018	0.93	0.1729	112665	VV	1
PCB016	20.694	1.29	0.1757	58362	VE	1
	20.918			6402	EV	
	21.117			3924	EV	
	21.290			54771	VV	
	21.547			31783	VV	
	21.700			24374	VV	
	21.827			16152	VV	
	22.244			5990	VV	
	22.703			51394	VV	
	22.891			18801	VV	
	23.137			15792	VV	
	23.243			27239	VV	
	23.459			12764	VV	
	23.617			18923	VV	
	23.824			33758	VV	
	24.094			39382	VV	
PCB254	24.382	0.49	0.01717	9274	VV	2

PCB260	24.682	-1.09	0.04531	7036	VV	3
PCB254	24.983	-0.27	0.02032	4304	VV	2
	25.265			26623	VV	
	25.788			4601	VV	
PCB254	26.113	0.02	0.01957	3416	VV	2
PCB254	26.370	-0.19	0.01474	4505	VV	2
	26.688			2958	VV	
PCB260	26.825	0.53	0.04244	7800	VE	3
	27.117			681	EV	
PCB254	27.349	0.33	0.01086	3376	VV	2
PCB260	27.531	1.56	4.736E-03	1414	VB	3
	27.809			1902	BV	
PCB260	27.883	4.96	6.003E-03	1685	VB	3
	28.147			120	BB	
	28.727			447	BB	
	29.114			2094	BV	
PCB260	29.285	2.58	5.876E-03	940	VV	3
	29.509			418	VV	
	29.740			1120	VV	
	29.852			702	VV	
	30.207			504	VV	
	30.348			382	VB	
	30.825			488	BB	
	31.163			15	BB	
	31.306			67	BV	
	31.612			478	VV	
DBUCLE	31.976	0.41	0.3630	142927	VE	
	32.337			1022	EB	
	33.409			13	BB	
	33.829			19	BV	
	33.933			44	VV	
	34.025			29	VB	
	34.515			32	BB	
	34.750			13	BB	
	34.854			25	BB	

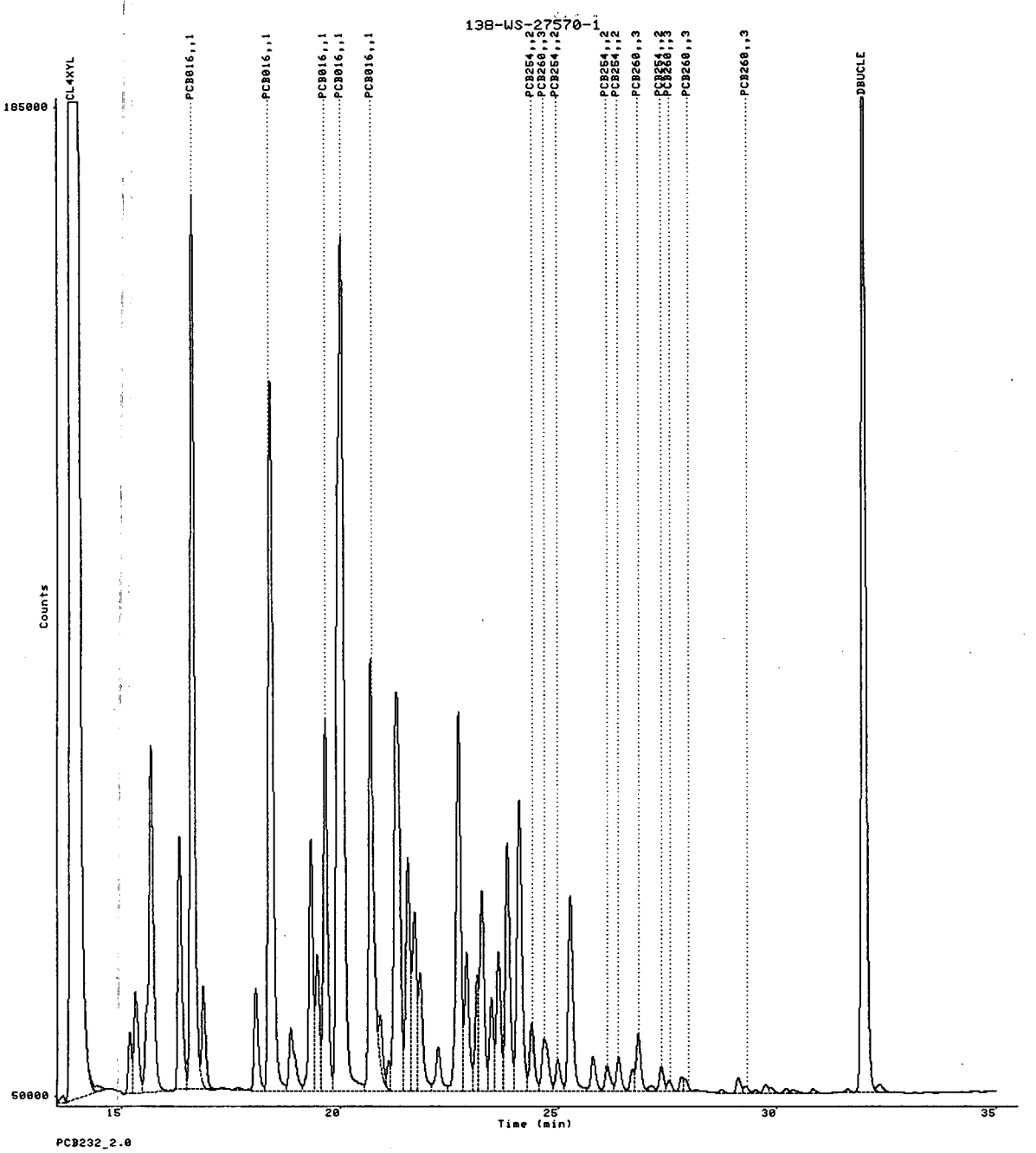
GROUP REPORT

Group	HEIGHT
1	1.137
2	8.266E-02
3	0.1044

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353002.RAW;1
Report: 1197270220
Acquired: 19-DEC-1997 19:11:14
Time range: 13.50-35.50



00236

Date..... 2-JAN-1998 12:15:20.32 User: TAYLORC
Report number.....1197270221
Raw file.....DISK:[TAYLORC]4797353003.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....19-DEC-1997 19:53:48
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....122
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
27.97	PCB260	3		
29.33	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.430			3570			BB	
	5.832			1529			BV	
	6.050			1271			VB	
	6.609			141			BV	
	6.723			361			VB	
	6.916			296			BV	
	7.002			372			VB	

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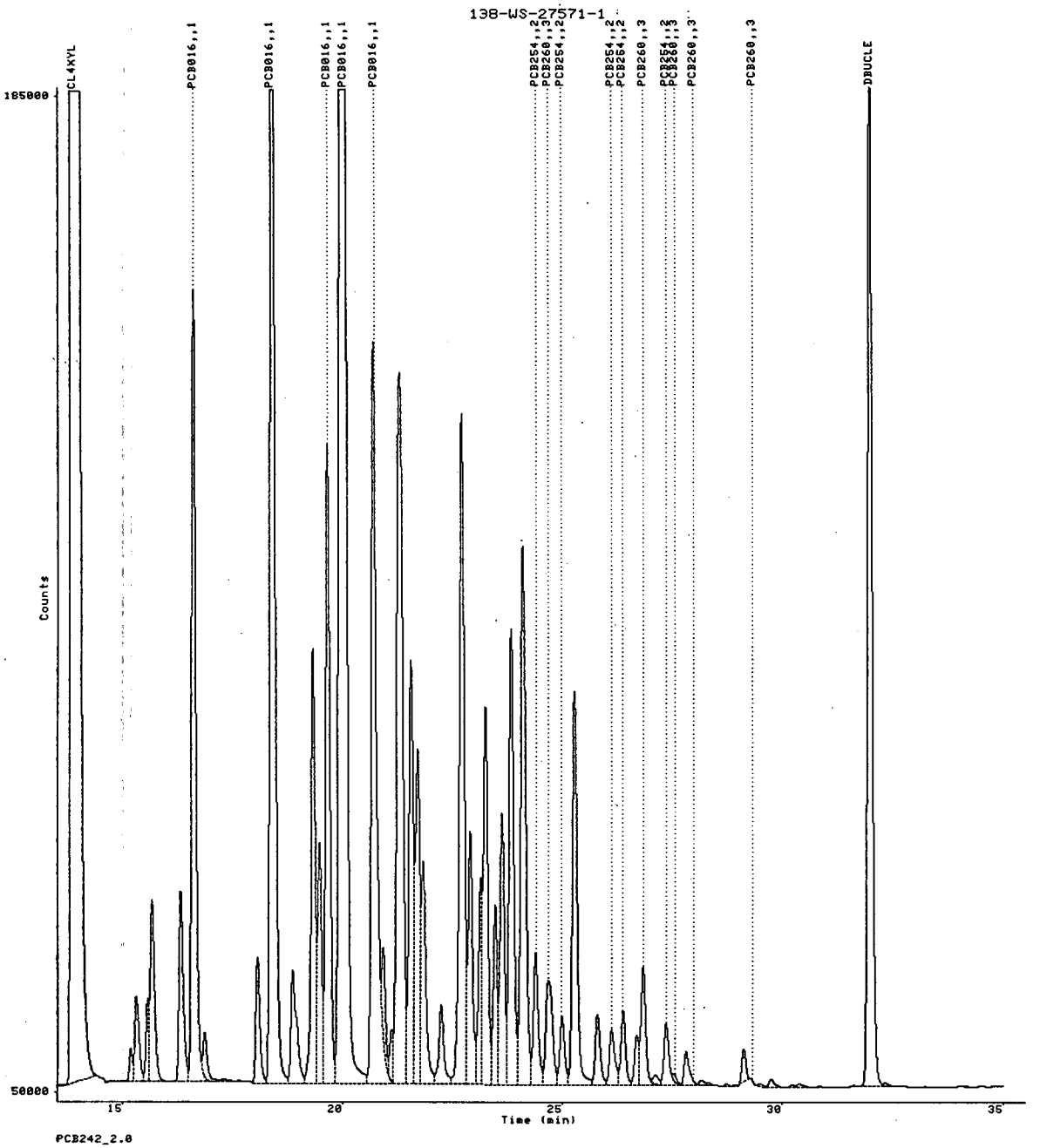
	7.220			85	BV	
	7.363			257	VB	
	7.583			192	BB	
	8.080			1102	BB	
	8.445			281	BE	
	8.649			20	EB	
	9.053			22	BB	
	9.241			22	BB	
	9.549			6890	BE	
	9.750			1260	EB	
	10.163			334	BB	
	10.361			2927	BE	
	10.660			144	EB	
	10.898			49	BB	
	11.045			486	BB	
	11.531			672	BV	
	11.642			509	VE	
	11.800			54	EB	
	12.049			47	BV	
	12.155			21	VB	
	12.609			1268	BE	
	12.943			110	EV	
	13.074			40	EB	
	13.225			34	BV	
	13.325			16	VB	
	13.655			33	BB	
CL4XYL	13.865	-1.65	0.3948	953529	BB	
	14.716			47	BB	
	15.176			4451	BV	
	15.308			11611	VV	
	15.561			11325	VV	
	15.663			24531	VB	
	16.128			108	BV	
	16.316			25821	VV	
PCB016	16.605	-0.55	0.3618	106777	VE	1
	16.862			6092	EV	
	17.292			328	VE	
	17.459			29	EB	
	18.070			16977	BV	
PCB016	18.401	-2.10	0.3325	153044	VV	1
	18.871			15078	VV	
	19.325			58544	VV	
	19.473			32460	VV	
PCB016	19.658	0.11	0.3332	85964	VV	1
PCB016	20.016	1.07	0.3331	195474	VV	1
PCB016	20.694	1.29	0.3358	100231	VE	1
	20.917			11518	EV	
	21.122			7136	EV	
	21.290			96624	VV	
	21.547			57027	VV	
	21.701			45257	VV	
	21.828			29926	VV	
	22.244			10633	VV	
	22.703			90518	VV	
	22.891			34034	VV	
	23.139			27908	VV	
	23.245			50691	VV	
	23.461			24263	VV	
	23.617			36511	VV	
	23.826			61307	VV	

	24.094			72673	VV	
PCB254	24.382	0.47	0.03325	17753	VV	2
PCB260	24.687	-1.35	0.09256	14148	VV	3
PCB254	24.983	-0.29	0.04365	9123	VV	2
	25.267			52853	VV	
	25.789			9494	VV	
PCB254	26.114	-0.08	0.04273	7375	VV	2
PCB254	26.371	-0.26	0.03278	9916	VV	2
	26.686			6704	VV	
PCB260	26.829	0.33	0.08710	15964	VE	3
	27.105			1258	EV	
PCB254	27.350	0.32	0.02680	8288	VE	2
PCB260	27.520	2.22	2.678E-03	800	EV	3
	27.808			4456	VE	
	28.158			596	EV	
	28.319			240	EB	
	28.571			21	BB	
	28.723			259	BB	
	28.919			159	BB	
	29.119			4479	BB	
	29.492			213	BB	
	29.745			1043	BB	
	30.222			286	BV	
	30.377			417	VE	
	30.635			14	EB	
	30.849			81	BV	
	30.983			19	VV	
	31.222			22	BB	
	31.393			18	BB	
	31.615			51	BB	
DBUCLE	31.977	0.35	0.3532	138602	BE	
	32.319			369	EB	
	32.675			17	BB	
	33.104			24	BV	
	33.226			25	VV	
	33.476			24	BB	
	33.747			10	BB	
	34.002			12	BB	
	34.357			10	BB	
	34.532			46	BB	
	34.898			38	BV	
	34.935			28	VB	

GROUP REPORT

Group	HEIGHT
1	1.696
2	0.1792
3	0.1823

Data file: DISK:[TAYLORC]4797353003.RAW;1
Report: 1197270221
Acquired: 19-DEC-1997 19:53:48
Time range: 13.50-35.50



00240

Date..... 2-JAN-1998 12:15:24.92 User: TAYLORC
Report number.....1197270222
Raw file.....DISK:[TAYLORC]4797353004.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....19-DEC-1997 20:36:20
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....118
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
27.97	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.220			221			BV	
	5.433			3863			VB	
	5.819			1657			BV	
	6.041			2157			VB	
	6.547			68			BV	
	6.637			125			VV	
	6.717			229			VB	
	7.000			127			BB	

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	7.266			150	BV	
	7.335			185	VV	
	7.395			170	VB	
	7.581			136	BB	
	7.716			21	BB	
	8.079			636	BB	
	8.435			91	BB	
	8.584			43	BV	
	8.626			30	VB	
	8.827			23	BB	
	9.549			6935	BE	
	9.751			1080	EV	
	10.040			21	VB	
	10.166			188	BV	
	10.361			2568	VV	
	10.669			83	VB	
	10.905			67	BV	
	11.046			480	VB	
	11.533			501	BV	
	11.658			207	VB	
	12.036			43	BV	
	12.150			27	VB	
	12.412			56	BV	
	12.520			19	VB	
	12.609			28	BB	
	12.848			16	BB	
	12.891			26	BB	
	13.446			29	BB	
CL4XYL	13.866	-1.71	0.3936	951298	BB	
	14.975			28	BB	
	15.177			259	BV	
	15.311			1027	VV	
	15.565			11058	VB	
	16.145			87	BV	
	16.324			1891	VV	
	16.407			1645	VV	
PCB016	16.610	-0.84	0.03424	11998	VE	1
	16.859			410	EB	
	17.648			56	BB	
	17.870			21	BB	
	18.071			4500	BV	
PCB016	18.396	-1.77	0.1398	76796	VE	1
	18.870			4346	EV	
	19.327			29361	VV	
	19.470			11598	VV	
PCB016	19.660	0.01	0.1009	29766	VV	1
PCB016	20.002	1.90	0.1741	113389	VV	1
PCB016	20.693	1.33	0.1407	47773	VV	1
	20.923			24135	VV	
	21.117			8570	VV	
	21.320			117227	VV	
	21.546			85584	VV	
	21.696			62545	VV	
	21.827			40636	VV	
	22.244			12962	VV	
	22.702			129919	VV	
	22.890			46923	VV	
	23.139			42913	VV	
	23.243			84480	VV	
	23.459			30320	VV	

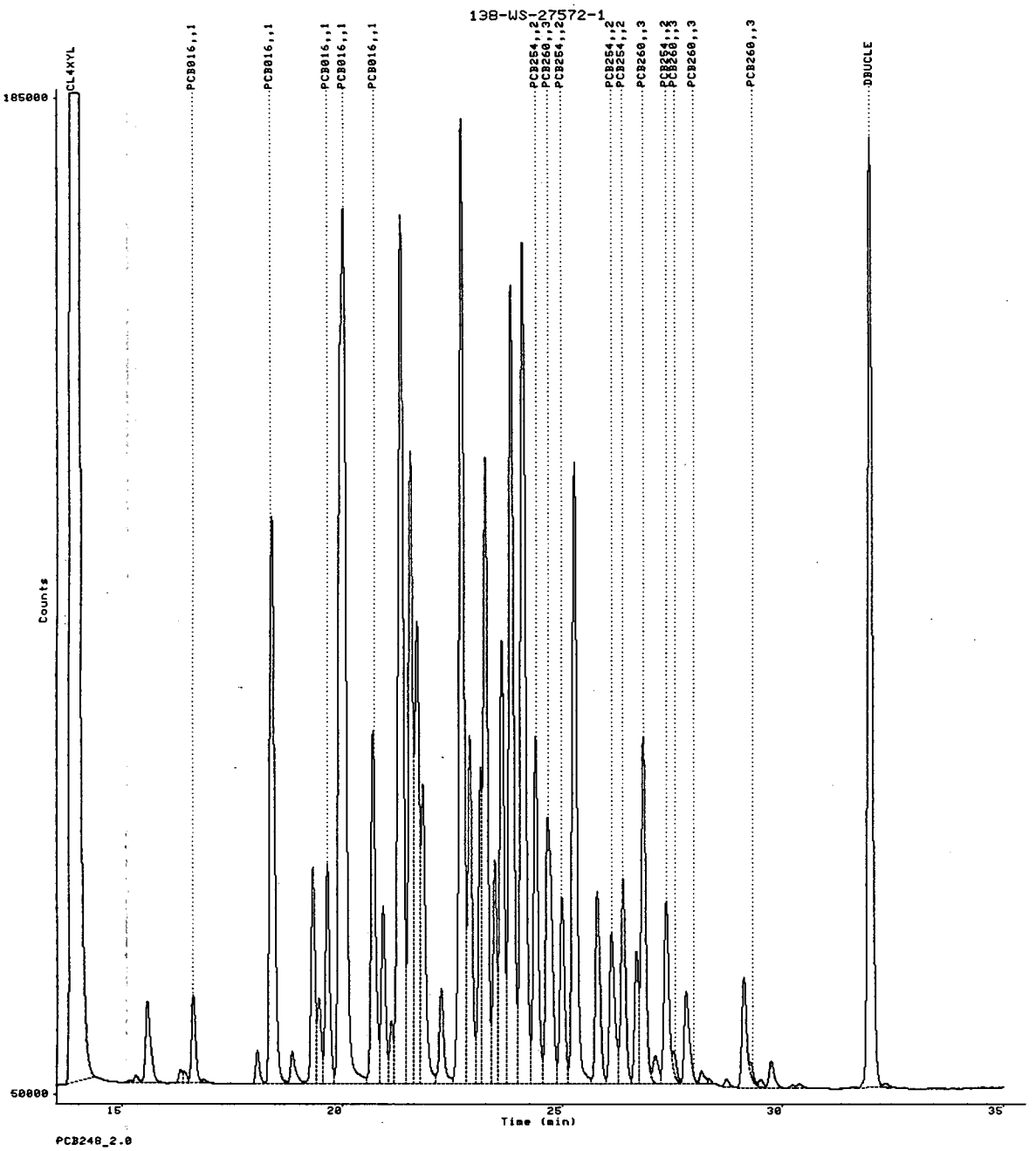
	23.615			59889	VV	
	23.823			107735	VV	
	24.093			113207	VV	
PCB254	24.382	0.51	0.09122	46643	VV	2
PCB260	24.673	-0.54	0.2427	35231	VV	3
PCB254	24.982	-0.22	0.1265	25181	VV	2
	25.266			83563	VV	
	25.789			25997	VV	
PCB254	26.111	0.10	0.1229	20368	VV	2
PCB254	26.370	-0.17	0.09466	27644	VV	2
	26.677			18098	VV	
PCB260	26.829	0.28	0.2582	46831	VE	3
	27.104			3634	EV	
PCB254	27.348	0.42	0.08109	24607	VE	2
PCB260	27.517	2.40	8.050E-03	2401	EV	3
	27.807			12478	VE	
	28.157			1686	EV	
	28.318			712	EB	
	28.724			947	BB	
	29.117			14832	BE	
PCB260	29.264	3.86	8.091E-03	1294	EV	3
	29.505			1018	EV	
	29.742			3677	VB	
	30.228			402	BV	
	30.381			547	VB	
	30.855			98	BB	
	31.436			23	BV	
	31.608			225	VV	
DBUCLE	31.975	0.48	0.3295	128142	VE	
	32.332			521	EB	
	33.323			19	BB	
	33.498			39	BV	
	33.577			26	VB	
	34.533			43	BB	
	34.718			14	BB	

GROUP REPORT

Group	HEIGHT
1	0.5897
2	0.5164
3	0.5170

Data file: DISK:[TAYLORC]4797353004.RAW;1
Report: 1197270222
Acquired: 19-DEC-1997 20:36:20
Time range: 13.50-35.50

AR 1248



00244

Date..... 2-JAN-1998 12:15:30.48 User: TAYLORC
Report number.....1197270223
Raw file.....DISK:[TAYLORC]4797353005.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....19-DEC-1997 21:18:52
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB262-2.0
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....142
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
27.36	PCB254	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.459			1633			BB	
	5.591			52			BB	
	5.839			622			BV	
	6.067			178			VV	
	6.099			103			VB	
	6.488			397			BV	
	6.613			1365			VB	
	6.795			1457			BV	

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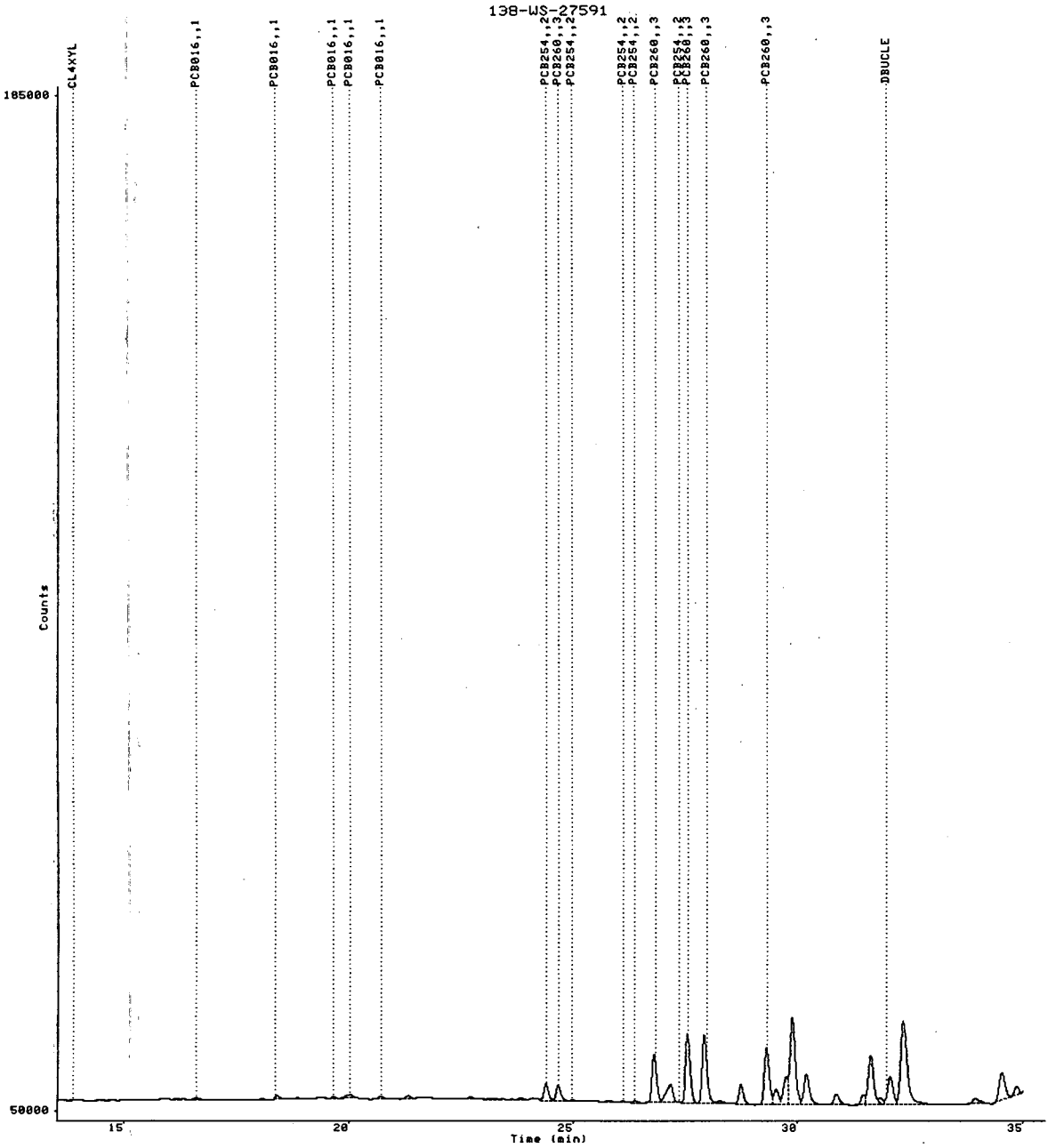
	6.918			1438	VV	
	7.021			1319	VV	
	7.238			905	VV	
	7.386			849	VV	
	7.707			910	VE	
	7.950			142	EV	
	8.086			512	VB	
	8.414			35	BB	
	8.860			24	BB	
	8.930			20	BB	
	9.166			41	BB	
	9.329			18	BB	
	9.568			46	BB	
	9.751			106	BB	
	10.017			47	BV	
	10.065			50	VV	
	10.175			45	VB	
	10.313			145	BE	
	10.441			19	EB	
	10.675			30	BV	
	10.723			15	VV	
	10.892			30	BV	
	10.946			23	VV	
	11.042			99	VB	
	11.265			43	BB	
	11.470			84	BV	
	11.587			89	VV	
	11.672			97	VV	
	11.824			46	VV	
	11.884			28	VV	
	11.995			31	VV	
	12.083			35	VB	
	12.230			18	BB	
	12.448			110	BV	
	12.600			153	VV	
	12.748			123	VV	
	12.911			56	VV	
	12.947			32	VB	
	13.096			29	BB	
	13.385			12	BB	
	13.587			58	BV	
	13.631			38	VB	
	13.808			45	BV	
CL4XYL	13.860	-1.32	1.190E-05	35	VB	
	14.382			23	BB	
	14.450			28	BB	
	14.718			29	BB	
	14.957			75	BB	
	15.117			22	BB	
	15.304			24	BB	
	15.642			36	BV	
	15.685			30	VB	
	15.852			20	BB	
	16.125			54	BV	00246
	16.206			44	VB	
	16.311			23	BB	
PCB016	16.612	-0.93	5.869E-04	209	BB	1
	17.001			22	BB	
	17.270			29	BB	
	17.363			15	BB	

	17.603			30	BV	
	17.682			36	VV	
	17.741			30	VV	
	17.815			16	VB	
	18.068			37	BB	
PCB016	18.406	-2.40	8.591E-04	527	BB	1
	18.864			45	BB	
	19.115			31	BB	
	19.322			44	BB	
	19.470			24	BB	
PCB016	19.662	-0.12	6.460E-04	201	BB	1
PCB016	20.031	0.19	6.473E-04	467	BB	1
PCB016	20.706	0.54	9.568E-04	353	BE	1
	20.910			23	EB	
	21.325			386	BB	
	21.557			67	BB	
	21.682			20	BB	
	21.801			20	BB	
	22.036			31	BB	
	22.262			19	BB	
	22.710			318	BB	
	23.110			52	BV	
	23.256			140	VB	
	23.446			27	BB	
	23.634			42	BB	
	23.831			206	BB	
	24.106			156	BB	
PCB254	24.389	0.07	3.858E-03	2104	BV	2
PCB260	24.666	-0.09	0.01239	1945	VE	3
PCB254	24.987	-0.52	6.161E-04	132	EB	2
	25.275			25	BB	
	25.789			130	BB	
PCB254	26.113	0.01	2.100E-04	37	BB	2
PCB254	26.373	-0.34	7.957E-04	245	BB	2
PCB260	26.794	2.40	0.03513	6458	BV	3
	27.158			2347	VB	
PCB260	27.540	1.02	0.03103	9196	BB	3
PCB260	27.911	3.31	0.03243	9070	BE	3
	28.263			267	EB	
	28.732			2541	BB	
	29.126			68	BV	
PCB260	29.304	1.45	0.04689	7482	VV	3
	29.517			2042	VV	
	29.741			3637	VV	
	29.883			11508	VV	
	30.188			3953	VB	
	30.856			1410	BB	
	31.459			1321	BV	
	31.621			6570	VE	
	31.839			670	EV	
DBUCLE	32.057	-4.43	0.01075	3687	VV	
	32.347			10924	VV	
	33.443			20	BB	
	33.946			687	BB	
	34.535			3691	BV	
	34.870			1152	VB	

GROUP REPORT

Group	HEIGHT
1	3.696E-03
2	5.480E-03
3	0.1579

Data file: DISK:[TAYLORC]4797353005.RAW;1
Report: 1197270223
Acquired: 19-DEC-1997 21:18:52
Time range: 13.50-35.50



PCB262-2.0

00249

Date..... 2-JAN-1998 12:15:34.99 User: TAYLORC
Report number.....1197270224
Raw file.....DISK:[TAYLORC]4797353011.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 01:34:04
Acq. run time.....37.50 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-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....121
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
24.98	PCB254	2	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.095			879		BV	
	5.153			702		VB	
	5.219			707		BB	
	5.425			5031		BE	
	5.487			261		EB	
	5.729			562		BV	
	5.825			420		VB	
	6.076			1611		BV	

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	6.249			487	VB	
	6.465			932	BB	
	6.784			919	BV	
	6.907			282	VV	
	7.069			5404	VB	
	7.332			154	BB	
	7.557			1225	BV	
	7.671			1261	VV	
	7.891			1958	VV	
	7.991			2975	VV	
	8.073			4347	VV	
	8.227			3852	VV	
	8.348			4744	VV	
	8.608			5960	VB	
	9.073			5648	BV	
	9.221			5355	VV	
	9.333			5645	VV	
	9.551			4239	VV	
	9.755			9900	VV	
	10.128			3895	VB	
	10.460			943	BB	
	10.658			146	BB	
	10.893			114	BB	
	11.045			1685	BB	
	11.507			745	BV	
	11.611			471	VV	
	11.717			193	VB	
	11.982			64	BB	
	12.204			130	BV	
	12.381			1913	VV	
	12.603			12842	VB	
	12.888			102	BB	
	13.136			270	BV	
	13.402			648	VV	
	13.652			904	VV	
CL4XYL	13.867	-1.72	5.085E-03	14922	VV	
	14.510			4365	VV	
	14.774			2740	VV	
	15.174			7509	VV	
	15.306			12246	VV	
	15.665			34142	VB	
	16.158			4810	BV	
	16.315			30865	VV	
PCB016	16.604	-0.49	0.3782	110560	VE	1
	16.781			10261	EV	
	17.301			4166	VV	
	17.363			4138	VV	
	17.519			4008	VV	
	17.744			3420	VV	
	17.903			3960	VV	
	18.072			16584	VV	
PCB016	18.396	-1.80	0.2458	122986	VE	1
	18.738			3750	EV	
	18.873			15570	EV	
	19.211			5294	VV	
	19.328			44228	VV	
	19.465			35653	VV	
PCB016	19.657	0.17	0.2530	68509	VV	1
PCB016	20.013	1.25	0.2536	156974	VE	1
	20.448			5564	EV	

PCB016	20.693	1.31	0.2511	79436	VE	1
	20.917			8761	EV	
	21.126			11656	EV	
	21.300			71813	VV	
	21.547			49059	VV	
	21.701			37261	VV	
	21.828			26215	VE	
	22.249			4498	EV	
	22.469			3967	EV	
	22.701			56494	VV	
	22.892			25535	VV	
	23.138			23153	VV	
	23.246			35354	VV	
	23.465			18480	VV	
	23.613			12051	VV	
	23.739			12540	VV	
	23.813			15136	VV	
	24.080			20283	VV	
PCB254	24.388	0.13	0.07239	37547	VV	2
PCB260	24.659	0.29	0.1840	27268	VV	3
	25.108			9560	VV	
	25.264			12594	VV	
	25.609			5268	VB	
	25.895			4915	BV	
PCB254	26.111	0.13	0.04830	8313	VV	2
PCB254	26.367	-0.03	0.02188	6659	VV	2
	26.544			8175	VV	
PCB260	26.796	2.26	0.2543	46129	VV	3
	27.151			24121	VV	
PCB254	27.335	1.18	0.02238	6932	VV	2
PCB260	27.538	1.15	0.2567	71384	VV	3
PCB260	27.906	3.58	0.2560	69317	VE	3
	28.259			5969	EV	
	28.417			4729	EV	
	28.731			25017	VE	
	29.099			97	EV	
PCB260	29.297	1.84	0.2692	42383	VV	3
	29.512			24021	VV	
	29.735			45601	VV	
	29.874			47703	VV	
	30.186			22236	VV	
	30.851			6626	VB	
	31.458			2656	BV	
	31.615			28936	VE	
	31.839			5029	EV	
DBUCLE	32.049	-3.98	0.05133	17908	VV	
	32.332			38393	VB	
	33.317			47	BB	
	33.774			901	BB	
	34.143			1668	BV	
	34.531			7734	VV	
	34.859			2547	VB	

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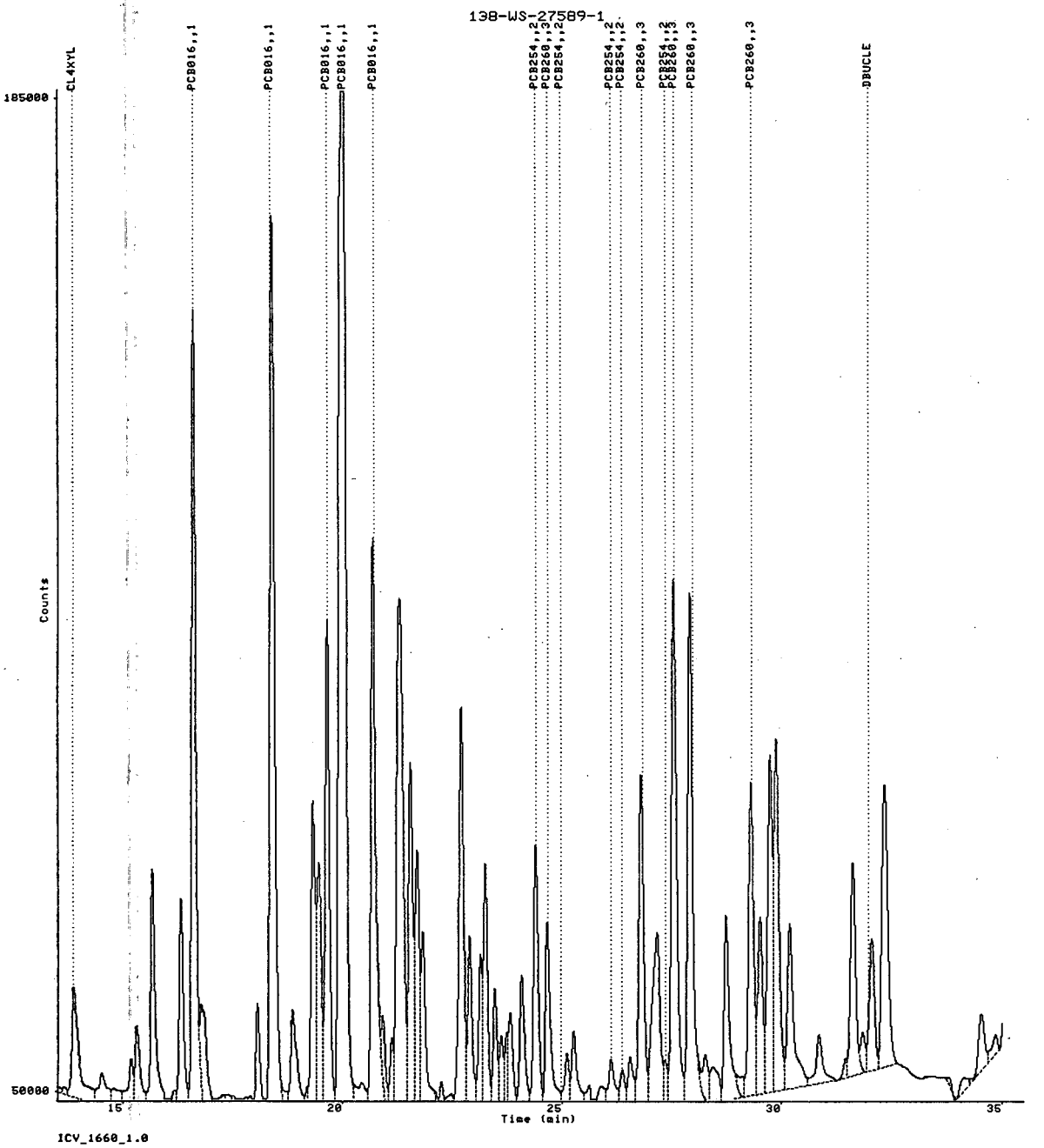
GROUP REPORT

Group	HEIGHT
1	1.382
2	0.1650

Data file: DISK:[TAYLORC]4797353011.RAW;1
Report: 1197270224
Acquired: 20-DEC-1997 01:34:04
Time range: 13.50-35.50



00254

Date..... 2-JAN-1998 12:15:40.69 User: TAYLORC
Report number.....1197270225
Raw file.....DISK:[TAYLORC]4797353017.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 05:49:10
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....ICV_1254_1.0
Notes.....138-WS-27533

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....133
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
13.84	CL4XYL			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.098			693			BB	
	5.221			272			BV	
	5.426			4676			VV	
	5.489			77			BB	
	5.746			152			BB	
	6.042			1045			BV	
	6.210			1247			VV	
	6.262			1280			VV	

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	6.332			1263	VV	
	6.453			1169	VV	
	6.556			1281	VV	
	6.666			1180	VV	
	6.772			1216	VV	
	6.909			999	VV	
	7.003			1070	VB	
	7.337			397	BV	
	7.558			229	VB	
	7.805			59	BB	
	8.077			979	BB	
	8.443			75	BB	
	8.617			65	BB	
	8.861			37	BV	
	8.966			18	VB	
	9.064			30	BV	
	9.102			27	VB	
	9.541			46	BB	
	9.756			965	BE	
	10.055			54	EV	
	10.164			67	EB	
	10.299			33	BB	
	10.603			32	BV	
	10.702			61	VB	
	10.877			24	BB	
	11.046			410	BB	
	11.546			403	BV	
	11.685			357	VV	
	11.899			1264	VB	
	12.421			40	BV	
	12.567			41	VV	
	12.601			35	VB	
	12.670			26	BB	
	12.908			36	BB	
	13.115			25	BB	
	13.226			18	BB	
	13.427			21	BB	
	13.612			24	BB	
	13.971			25	BB	
	14.234			23	BB	
	14.530			49	BB	
	15.040			42	VV	
	15.108			24	VB	
	15.196			25	BB	
	15.382			10	BB	
	15.834			193	BB	
	16.120			25	BB	
	16.284			23	BB	
PCB016	16.629	-1.97	3.369E-04	120	BB	1
	16.997			16583	BB	
	17.663			44	BB	
	17.802			25	BB	
	18.082			179	BV	
PCB016	18.399	-1.96	3.785E-03	2317	VE	1
	18.686			15	EB	
	18.888			80	BV	
	19.006			212	VB	
	19.332			542	BV	
	19.478			226	VV	
PCB016	19.666	-0.34	2.091E-03	650	VB	1

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PCB016	19.960	4.47	1.524E-03	1099	BB	1
	20.396			13	BV	
	20.491			17	VB	
PCB016	20.699	0.93	2.678E-03	987	BV	1
	20.927			1502	VV	
	21.127			886	VB	
	21.331			46233	BV	
	21.549			13772	VE	
	21.832			1000	EV	
	22.255			461	VB	
	22.521			30	BV	
	22.707			26281	VE	
	22.886			2073	EV	
	23.143			2608	EV	
	23.249			8969	VE	
	23.459			1109	EV	
	23.623			7806	VV	
	23.830			28813	VV	
	24.103			10564	VV	
PCB254	24.386	0.26	0.1550	75410	VV	2
PCB260	24.666	-0.12	0.5062 +	66654	VV	3
PCB254	24.987	-0.56	0.1376	27201	VV	2
	25.264			6871	VV	
	25.789			26546	VV	
PCB254	26.114	-0.06	0.1386	22784	VV	2
PCB254	26.374	-0.41	0.1462	41426	VV	2
	26.679			12427	VV	
PCB260	26.832	0.14	0.4438 +	79583	VE	3
	27.132			13227	EV	
PCB254	27.352	0.18	0.1469	43565	VV	2
PCB260	27.538	1.16	0.1168	33807	VV	3
PCB260	27.905	3.66	0.1161	32071	VE	3
	28.258			4485	EV	
	28.498			1525	VV	
	28.729			9533	VV	
	29.122			15303	VV	
PCB260	29.286	2.52	0.1410	22367	VV	3
	29.512			12198	VV	
	29.747			36956	VE	
	30.229			2777	EV	
	30.380			3618	EV	
	30.851			287	VB	
	31.286			14	BB	
	31.390			21	BB	
	31.619			2409	BV	
	31.839			7452	VV	
DBUCLE	32.030	-2.79	0.01387	4764	VV	
	32.351			4432	VE	
	33.136			35	BB	
	33.478			14	BB	
	33.874			15	BV	
	34.000			12	VB	
	34.119			19	BB	
	34.344			20	BV	
	34.544			106	VV	
	34.748			299	VB	

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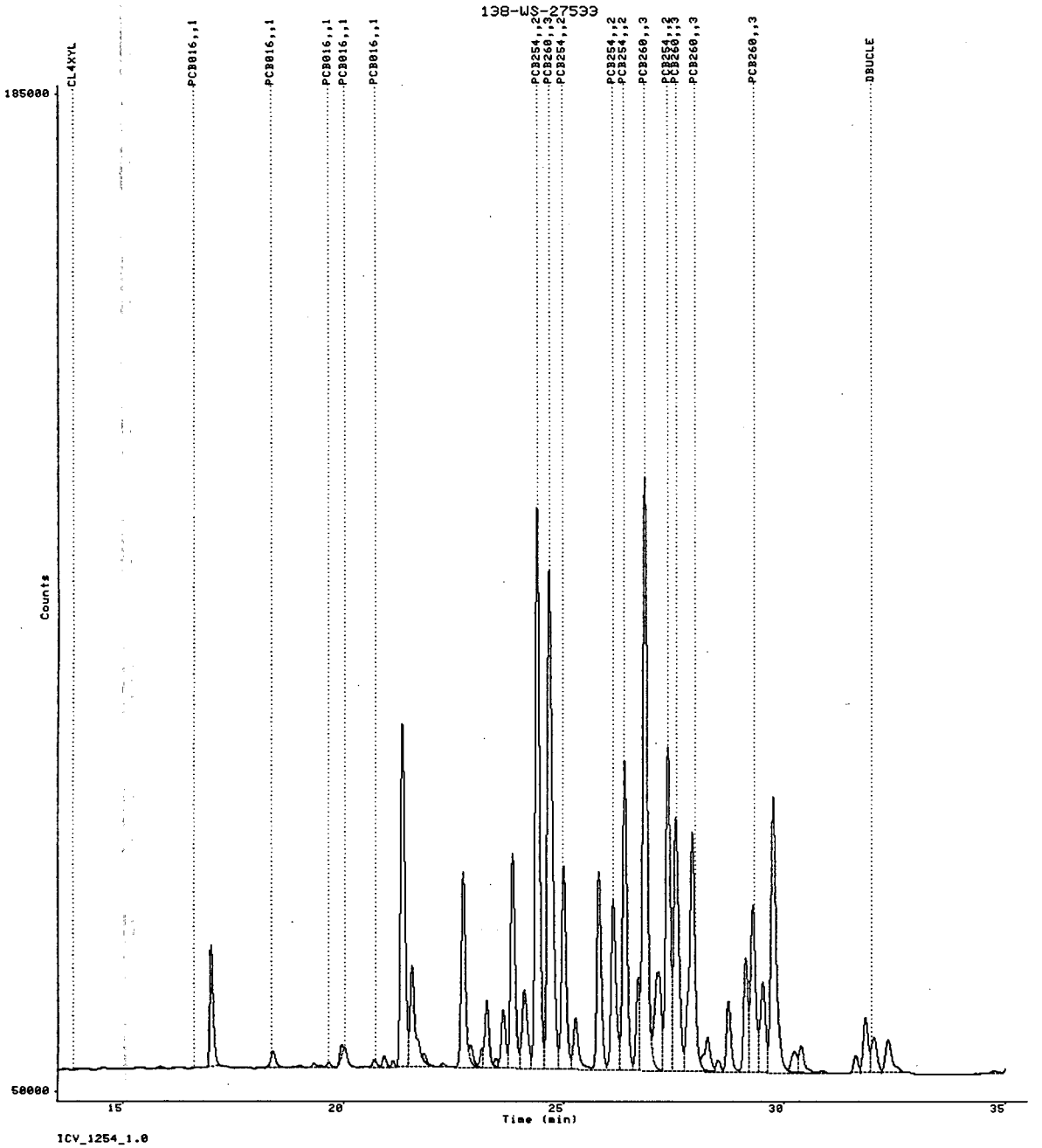
GROUP REPORT

Group	HEIGHT
1	1.041E-02
2	0.7243
3	1.324

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353017.RAW;1
Report: 1197270225
Acquired: 20-DEC-1997 05:49:10
Time range: 13.50-35.50



00259

Date..... 2-JAN-1998 12:16:39.89 User: TAYLORC
Report number.....1197270237
Raw file.....DISK:[TAYLORC]4797353029.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 14:19:42
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_1
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....101
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.443			2559			BB	
	5.806			1049			BV	
	6.040			482			VB	
	6.552			21			BB	
	6.889			22			BB	
	7.357			59			BB	
	8.081			71			BB	
	8.671			23			BB	
	9.110			31			BB	
	9.247			14			BB	
	9.325			15			BB	
	9.553			3255			BV	
	9.760			2089			VB	
	10.374			1273			BB	
	10.896			22			BB	

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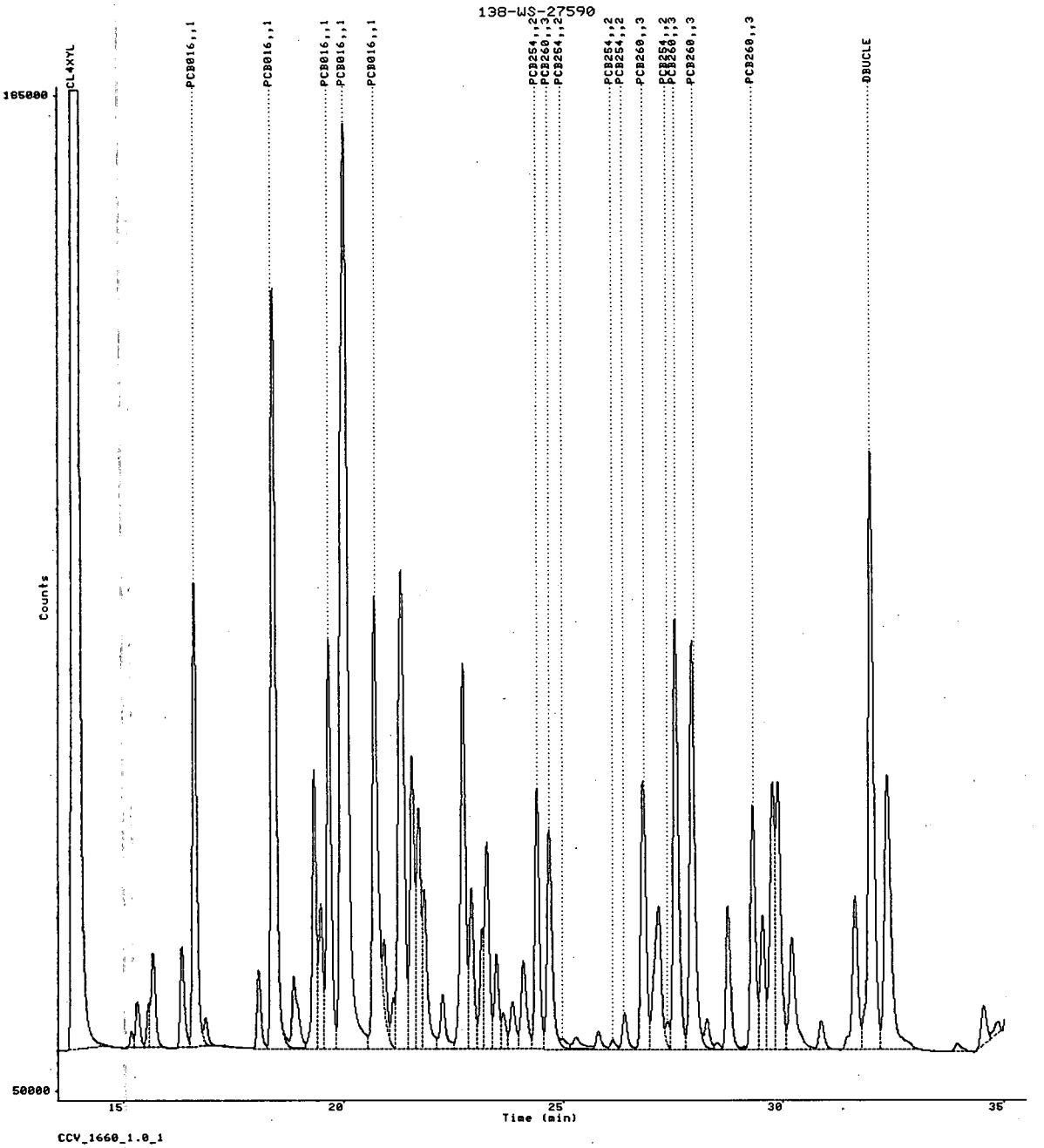
	11.047			125	BV	
	11.242			19	VB	
	11.505			81	BV	
	11.596			63	VV	
	11.655			49	VB	
	11.969			30	BV	
	12.044			35	VB	
	12.430			30	BB	
	12.620			356	BE	
	13.111			31	BB	
	13.251			22	BB	
	13.303			25	BV	
	13.436			37	VB	
CL4XYL	13.875	-2.21	0.2030	542279	BB	
	15.182			2235	VV	
	15.314			6188	VV	
	15.575			6054	VV	
	15.672			12751	VB	
	16.132			29	BB	
	16.325			13734	BV	
PCB016	16.614	-1.09	0.1933	62540	VE	1
	16.867			3359	EB	
	17.301			154	BB	
	17.868			16	BB	
	18.076			10567	BV	
PCB016	18.407	-2.43	0.1964	102759	VE	1
	18.878			9548	EV	
	19.332			37703	VV	
	19.484			19621	VV	
PCB016	19.665	-0.28	0.1964	54970	VV	1
PCB016	20.027	0.45	0.1884	121616	VV	1
PCB016	20.704	0.63	0.1845	60937	VE	1
	20.921			8349	EV	
	21.134			6653	EV	
	21.309			64338	VV	
	21.555			39486	VV	
	21.707			32553	VV	
	21.835			21517	VV	
	22.250			7306	VV	
	22.713			52016	VV	
	22.901			21616	VV	
	23.151			16298	VV	
	23.255			27876	VV	
	23.470			12794	VV	
	23.629			4807	VV	
	23.843			6311	VV	
	24.086			11860	VV	
PCB254	24.392	-0.09	0.06713	34957	VV	2
PCB260	24.672	-0.49	0.2005	29545	VE	3
PCB254	24.974	0.24	4.463E-03	954	EV	2
	25.285			1558	EV	
	25.791			2402	VV	
PCB254	26.122	-0.53	6.678E-03	1173	VV	2
PCB254	26.385	-1.05	0.01600	4887	VV	2
PCB260	26.808	1.58	0.1990	36219	VV	3
	27.153			19113	VE	
PCB254	27.367	-0.75	0.01026	3189	EV	2
PCB260	27.546	0.69	0.2041	57623	VV	3
PCB260	27.919	2.80	0.2013	54962	VE	3
	28.265			3843	EV	

	28.495			846	EV	
	28.737			19325	VE	
	29.103			333	EV	
PCB260	29.303	1.52	0.2078	32847	VV	3
	29.526			18047	VV	
	29.756			35970	VV	
	29.876			35972	VV	
	30.191			15106	VV	
	30.859			3874	VB	
	31.622			20667	BV	
DBUCLE	31.984	-0.08	0.2157	80374	VV	
	32.355			36791	VB	
	33.945			1069	VB	
	34.538			5319	BV	
	34.862			1756	VB	

GROUP REPORT

Group	HEIGHT
1	0.9590
2	0.1045
3	1.013

Data file: DISK:[TAYLORC]4797353029.RAW;1
Report: 1197270237
Acquired: 20-DEC-1997 14:19:42
Time range: 13.50-35.50



00263

Date..... 2-JAN-1998 12:17:33.30 User: TAYLORC
Report number.....1197270248
Raw file.....DISK:[TAYLORC]4797353040.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 22:08:30
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_2
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....108
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.253			411		BV	
	5.445			2594		VB	
	5.800			119		BB	
	5.941			13		BB	
	6.037			70		BB	
	6.561			41		BV	
	6.611			49		VB	
	6.912			47		BB	
	7.583			31		BB	
	8.080			68		BB	
	8.431			91		BB	
	8.612			22		BB	
	8.859			27		BB	
	8.981			8		BB	
	9.103			12		BB	

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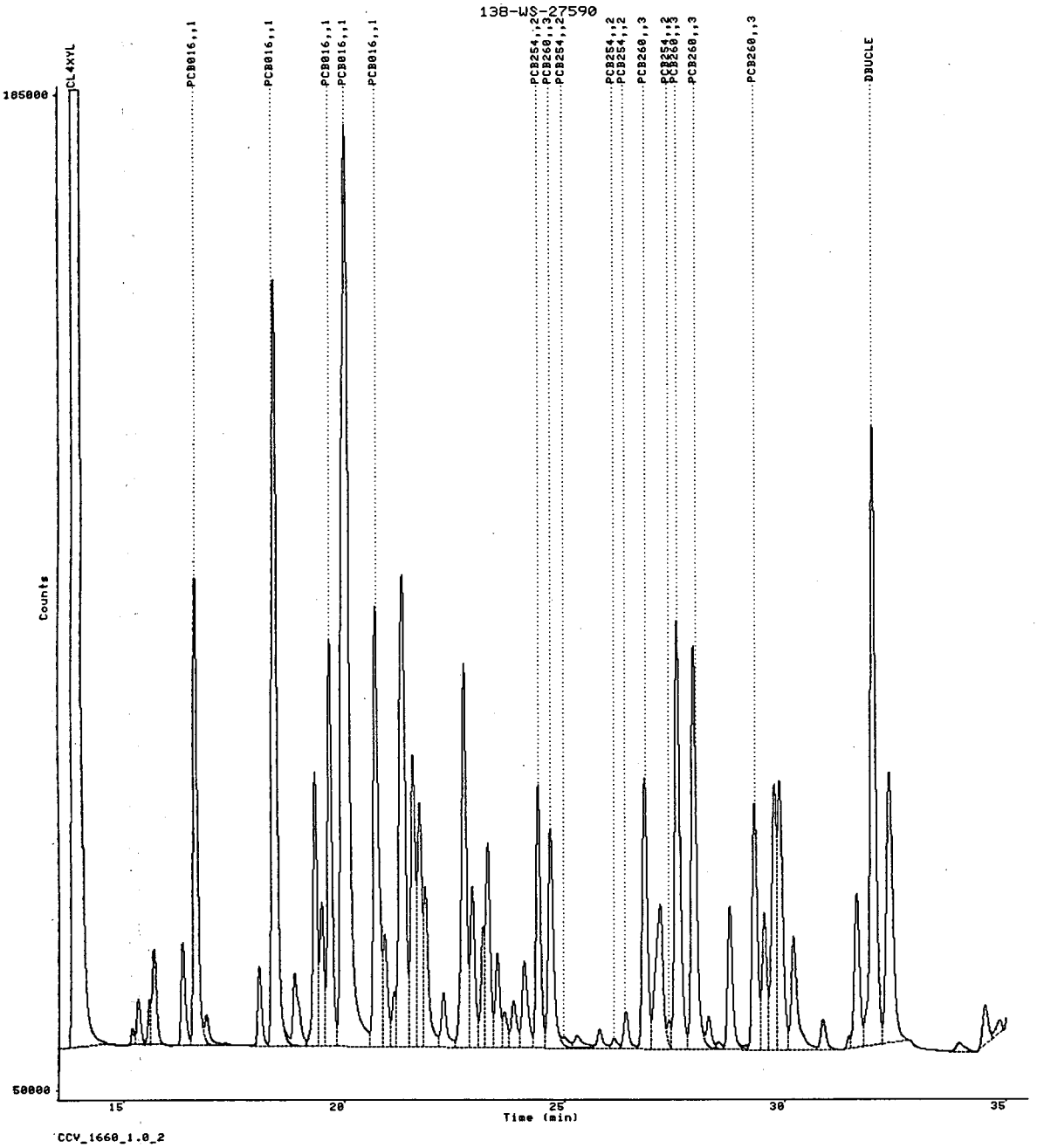
	9.293			23	BB	
	9.554			3394	BV	
	9.761			859	VE	
	10.376			1382	BB	
	10.912			46	BB	
	11.047			64	BB	
	11.241			12	BB	
	11.529			66	BV	
	11.614			48	VV	
	11.680			24	VB	
	11.846			41	VB	
	12.015			31	BB	
	12.197			21	BB	
	12.238			31	BB	
	12.440			44	BV	
	12.519			32	VV	
	12.620			354	VB	
	12.941			18	BB	
	13.115			22	BB	
	13.217			33	BV	
	13.298			25	VV	
	13.400			18	VB	
CL4XYL	13.875	-2.24	0.2109	561082	BB	
	15.184			2271	BV	
	15.315			6298	VV	
	15.575			6158	VV	
	15.674			12939	VB	
	16.151			29	BB	
	16.326			14004	BV	
PCB016	16.615	-1.12	0.1957	63247	VE	1
	16.868			3577	EV	
	17.303			261	VE	
	17.525			31	EB	
	17.608			23	BV	
	17.682			40	VB	
	17.885			26	BV	
	18.076			10702	VV	
PCB016	18.407	-2.45	0.1977	103282	VE	1
	18.878			9715	EV	
	19.332			37216	VV	
	19.484			19501	VV	
PCB016	19.664	-0.26	0.1965	55003	VV	1
PCB016	20.029	0.32	0.1903	122662	VV	1
PCB016	20.704	0.67	0.1798	59563	VV	1
	20.920			15258	VV	
	21.134			7475	VV	
	21.310			63694	VV	
	21.556			39569	VV	
	21.707			33085	VV	
	21.835			21694	VV	
	22.251			7380	VV	
	22.711			51713	VV	
	22.900			21745	VV	
	23.150			16356	VV	
	23.255			27760	VV	
	23.469			12676	VV	
	23.631			4714	VV	
	23.843			6244	VV	
	24.084			11659	VV	
PCB254	24.391	-0.09	0.06793	35350	VV	2

PCB260	24.672	-0.47	0.1996	29411	VE	3
PCB254	24.976	0.10	4.801E-03	1026	EV	2
	25.287			1617	EV	
	25.789			2505	VV	
PCB254	26.123	-0.59	7.484E-03	1314	VV	2
PCB254	26.385	-1.09	0.01641	5011	VV	2
PCB260	26.807	1.61	0.1999	36395	VV	3
	27.153			19266	VE	
PCB254	27.366	-0.69	9.936E-03	3090	EV	2
PCB260	27.544	0.79	0.2043	57662	VV	3
PCB260	27.919	2.82	0.1992	54405	VE	3
	28.263			4004	EV	
	28.494			898	EV	
	28.740			19299	VE	
	29.101			477	EV	
PCB260	29.302	1.56	0.2099	33161	VV	3
	29.527			18424	VV	
	29.757			35944	VV	
	29.874			36324	VV	
	30.191			15197	VV	
	30.858			4025	VB	
	31.465			1748	BV	
	31.620			20809	VV	
DBUCLE	31.985	-0.09	0.2228	83247	VV	
	32.356			36451	VB	
	33.942			1137	BB	
	34.534			5392	BV	
	34.862			1811	VB	

GROUP REPORT

Group	HEIGHT
1	0.9599
2	0.1066
3	1.013

Data file: DISK:[TAYLORC]4797353040.RAW;1
Report: 1197270248
Acquired: 20-DEC-1997 22:08:30
Time range: 13.50-35.50



CCV_1660_1.0_2

Date..... 2-JAN-1998 12:18:03.04 User: TAYLORC
Report number.....1197270254
Raw file.....DISK:[TAYLORC]4797353046.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 02:24:08
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_3
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....115
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.438			2654		BB	
	5.815			922		BV	
	5.931			451		VV	
	6.030			249		VB	
	6.206			38		BB	
	6.372			31		BB	
	6.543			36		BV	
	6.628			49		VB	
	6.725			28		BB	
	6.917			49		BB	
	7.231			34		BB	
	7.336			24		BB	
	7.588			28		BV	
	7.617			29		VB	
	8.081			46		BB	

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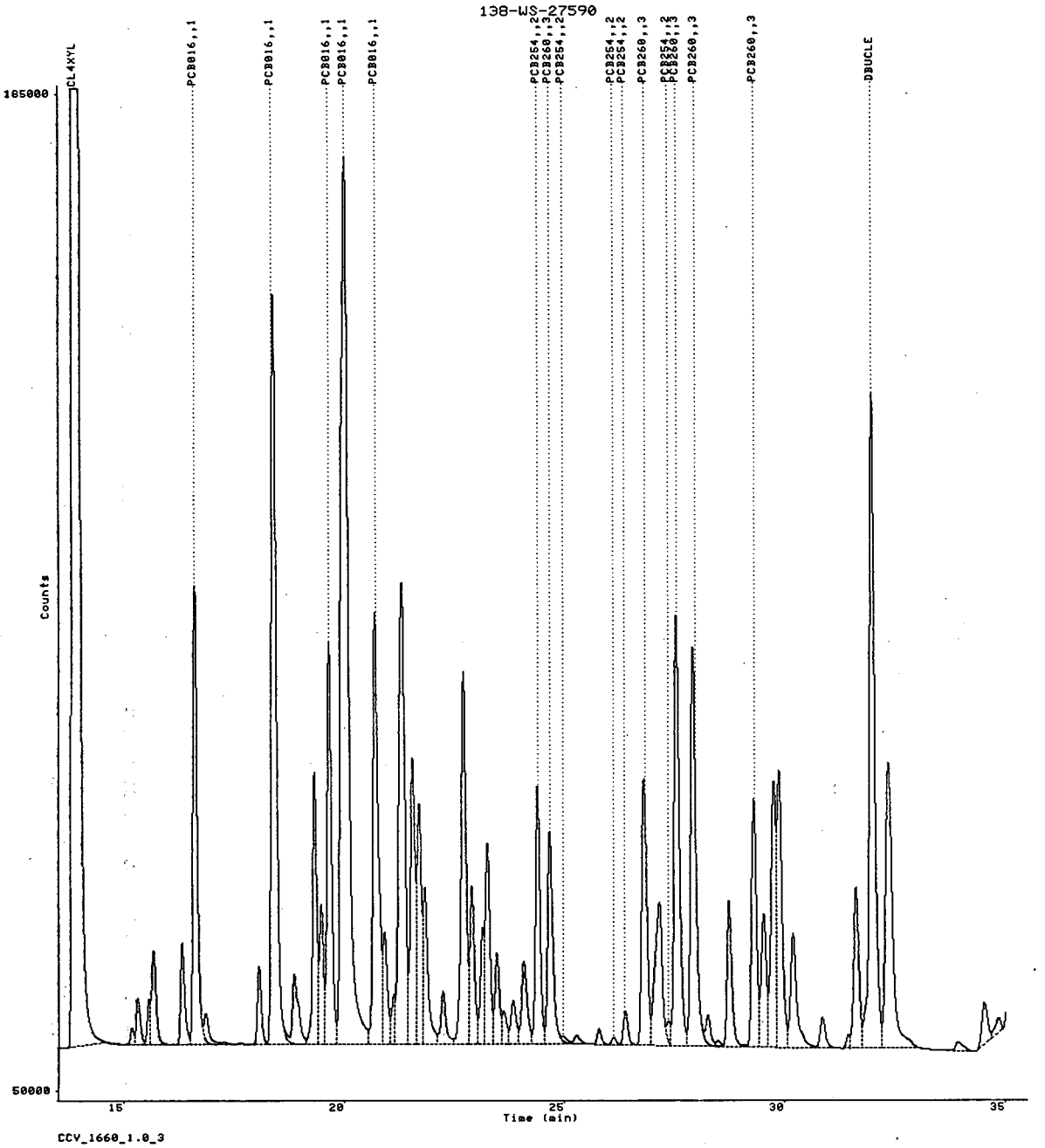
	8.408			85	BB	
	8.613			22	BB	
	8.841			14	BB	
	9.081			24	BB	
	9.549			3351	BV	
	9.756			1109	VB	
	10.004			31	BV	
	10.042			35	VB	
	10.189			34	BB	
	10.372			1326	BV	
	10.893			48	BB	
	11.041			34	BB	
	11.514			24	BB	
	11.662			30	BV	
	11.699			19	VB	
	11.823			28	BV	
	11.858			33	VB	
	11.988			27	BB	
	12.043			28	BB	
	12.255			54	BB	
	12.432			29	BB	
	12.615			341	BB	
	13.091			34	BB	
	13.202			26	BV	
	13.288			35	VB	
	13.533			18	BB	
	13.588			23	BB	
CL4XYL	13.870	-1.91	0.2097	558247	BB	
	15.179			2249	BV	
	15.310			6222	VV	
	15.569			6134	VV	
	15.668			12828	VB	
	16.122			20	BB	
	16.320			13792	BV	
PCB016	16.610	-0.82	0.1911	61894	VE	1
	16.863			3583	EV	
	17.297			270	VE	
	17.678			26	BB	
	18.071			10544	BV	
PCB016	18.401	-2.10	0.1928	101161	VE	1
	18.874			9373	EV	
	19.327			36714	VV	
	19.479			18927	VV	
PCB016	19.660	0.02	0.1929	54096	VV	1
PCB016	20.022	0.71	0.1796	116533	VV	1
PCB016	20.700	0.92	0.1749	58127	VV	1
	20.917			15059	VV	
	21.127			6724	VV	
	21.306			62230	VV	
	21.552			38631	VV	
	21.703			32524	VV	
	21.832			21069	VV	
	22.245			7096	VV	
	22.706			49996	VV	
	22.896			21180	VV	
	23.144			15749	VV	
	23.249			26995	VV	
	23.465			12267	VV	
	23.623			4357	VV	
	23.839			5775	VV	

	24.080			11115	VV	
PCB254	24.387	0.16	0.06634	34566	VV	2
PCB260	24.668	-0.23	0.1932	28529	VE	3
PCB254	24.964	0.81	3.080E-03	659	EV	2
	25.282			1064	EB	
	25.785			2102	BV	
PCB254	26.119	-0.33	5.616E-03	987	VV	2
PCB254	26.380	-0.78	0.01488	4546	VV	2
PCB260	26.803	1.85	0.1966	35794	VV	3
	27.148			19116	VE	
PCB254	27.362	-0.44	8.936E-03	2780	EV	2
PCB260	27.540	1.03	0.2047	57782	VV	3
PCB260	27.915	3.04	0.1970	53808	VE	3
	28.259			3832	EV	
	28.492			699	EV	
	28.734			19497	VE	
	29.087			228	EV	
PCB260	29.298	1.82	0.2107	33300	VV	3
	29.521			17897	VV	
	29.754			35758	VV	
	29.870			37208	VV	
	30.186			15286	VV	
	30.854			3990	VB	
	31.452			1881	BV	
	31.616			21574	VV	
DBUCLE	31.979	0.25	0.2346	88038	VV	
	32.351			38400	VB	
	33.937			1154	BB	
	34.528			5657	BV	
	34.856			1959	VB	

GROUP REPORT

Group	HEIGHT
1	0.9312
2	9.885E-02
3	1.002

Data file: DISK:[TAYLORC]4797353046.RAW;1
Report: 1197270254
Acquired: 21-DEC-1997 02:24:08
Time range: 13.50-35.50



Date..... 2-JAN-1998 12:18:57.77 User: TAYLORC
Report number.....1197270266
Raw file.....DISK:[TAYLORC]4797353056.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 09:30:10
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_4
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....119
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.252			537		BB	
	5.446			2639		BB	
	5.812			681		BE	
	5.936			51		EB	
	6.022			61		BB	
	6.362			34		BB	
	6.444			41		BB	
	6.539			29		BB	
	6.627			16		BB	
	6.894			29		BB	
	7.362			96		BB	
	8.076			71		BB	
	8.427			113		BB	
	8.611			43		BB	
	9.181			23		BB	

00272

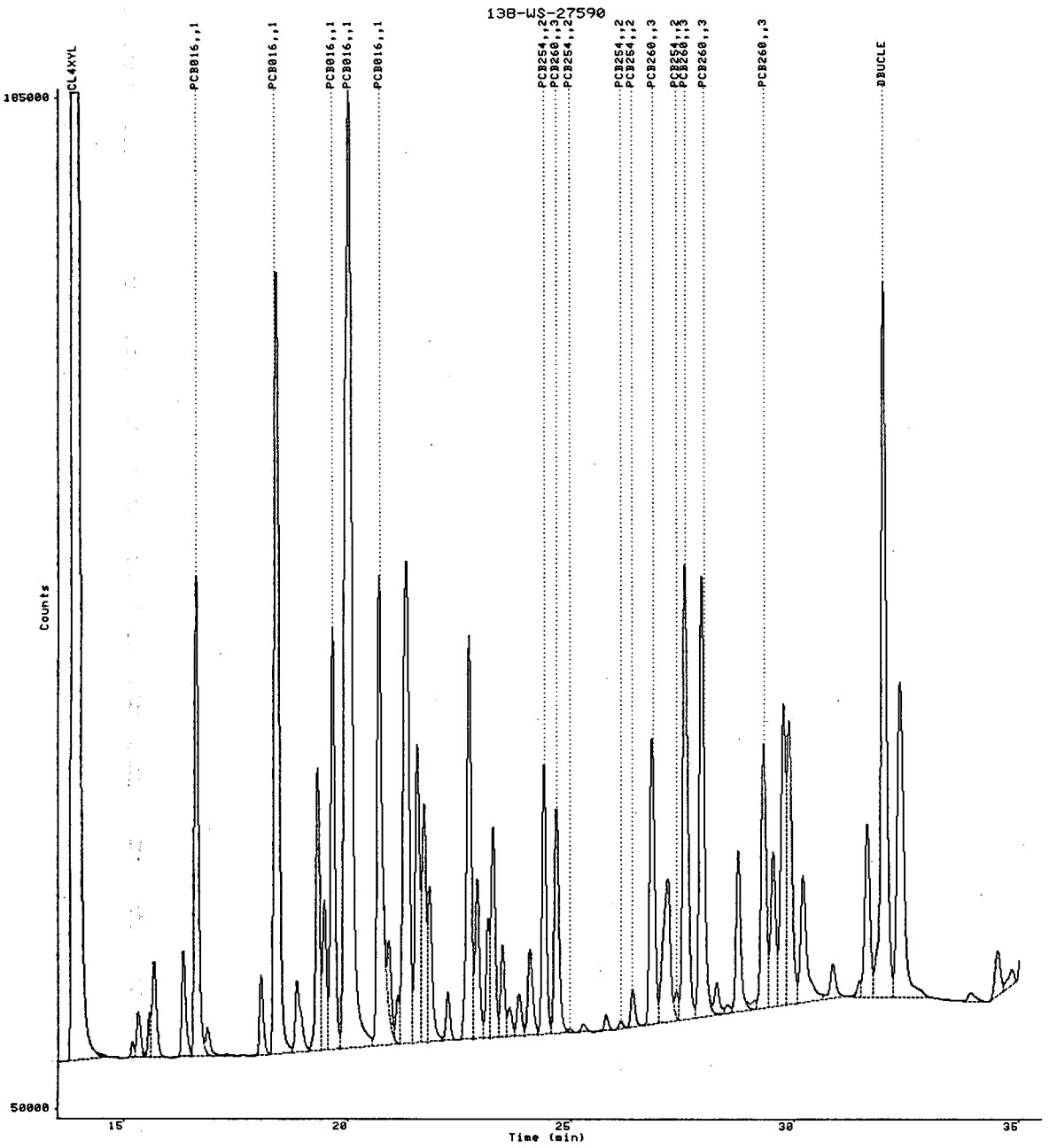
	9.550			3567	BV	
	9.755			1360	VE	
	10.003			45	EB	
	10.175			34	BB	
	10.365			1402	BE	
	10.565			6	EB	
	10.871			33	BB	
	11.052			115	BB	
	11.226			22	BB	
	11.509			28	BB	
	11.638			19	BB	
	12.036			41	BB	
	12.471			48	BV	
	12.616			381	VE	
	12.745			26	EB	
	13.238			25	BV	
	13.393			25	VV	
CL4XYL	13.871	-1.96	0.2102	559451	BE	
	14.652			25	EB	
	15.180			2241	BV	
	15.312			6239	VV	
	15.569			6133	VV	
	15.669			12856	VB	
	16.112			62	BV	
	16.148			61	VB	
	16.320			14189	BV	
PCB016	16.610	-0.85	0.1977	63818	VE	1
	16.865			3487	EV	
	17.301			225	VB	
	17.668			33	BB	
	18.073			10640	BV	
PCB016	18.403	-2.24	0.2001	104353	VV	1
	18.875			9568	VV	
	19.329			37789	VV	
	19.481			20014	VV	
PCB016	19.661	-0.06	0.2008	56054	VV	1
PCB016	20.024	0.61	0.1933	124391	VV	1
PCB016	20.700	0.92	0.1897	62461	VE	1
	20.919			8907	EV	
	21.129			6522	EV	
	21.302			64131	VV	
	21.551			39806	VV	
	21.704			31878	VV	
	21.831			20727	VV	
	22.247			6535	VB	
	22.706			53501	BV	
	22.895			21316	VV	
	23.141			16040	VV	
	23.249			28059	VV	
	23.466			12250	VV	
	23.626			3947	VV	
	23.834			5771	VV	
	24.079			11435	VV	
PCB254	24.386	0.25	0.06869	35727	VV	2
PCB260	24.665	-0.04	0.2030	29884	VE	3
PCB254	24.975	0.18	2.392E-03	512	EB	2
	25.280			1039	BB	
	25.598			30	BB	
	25.785			2176	BB	
PCB254	26.115	-0.15	5.873E-03	1032	BV	2

PCB254	26.376	-0.54	0.01648	5032	VV	2
PCB260	26.801	1.96	0.2088	37986	VV	3
	27.147			18790	VE	
PCB254	27.357	-0.14	0.01084	3370	EV	2
PCB260	27.538	1.14	0.2133	60053	VV	3
PCB260	27.909	3.41	0.2143	58399	VE	3
	28.260			4114	EV	
	28.497			1111	EV	
	28.730			21270	VE	
	29.115			1149	EV	
PCB260	29.297	1.88	0.2224	35113	VV	3
	29.516			20551	VV	
	29.747			40017	VV	
	29.869			37648	VV	
	30.182			16707	VV	
	30.851			4500	VE	
	31.457			2018	BV	
	31.613			22911	VV	
DBUCLE	31.977	0.33	0.2506	94626	VV	
	32.343			41573	VB	
	33.935			1161	BV	
	34.286			25	VB	
	34.528			6004	BV	
	34.853			2049	VB	

GROUP REPORT

Group	HEIGHT
1	0.9816
2	0.1043
3	1.062

Data file: DISK:[TAYLORC]4797353056.RAW;1
Report: 1197270266
Acquired: 21-DEC-1997 09:30:10
Time range: 13.50-35.50



CCV_1660_1.0_4

00275

Date..... 2-JAN-1998 12:20:04.97 User: TAYLORC
Report number.....1197270279
Raw file.....DISK:[TAYLORC]4797353068.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 18:01:41
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_5
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....111
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.249			467		BB	
	5.441			2913		BB	
	5.808			926		BV	
	5.952			336		VV	
	6.035			114		VB	
	6.259			11		BB	
	6.381			22		BB	
	6.548			36		BB	
	6.769			39		BB	
	6.896			19		BB	
	7.361			186		BB	
	7.583			44		BB	
	8.073			101		BB	
	8.398			68		BB	
	8.629			32		BB	

	8.851			24	BB	
	9.551			3689	BV	
	9.756			2787	VE	
	10.003			28	EB	
	10.362			1408	BE	
	10.661			74	EB	
	10.896			84	BB	
	11.056			80	BB	
	11.261			49	BV	
	11.345			55	VB	
	11.514			28	BB	
	12.040			36	BB	
	12.161			23	BB	
	12.615			361	BE	
	12.740			31	EV	
	12.925			41	EB	
	13.103			43	BB	
	13.377			18	BV	
	13.442			26	VB	
CL4XYL	13.874	-2.15	0.2059	549068	BB	
	15.183			2253	BV	
	15.314			6151	VV	
	15.575			6110	VV	
	15.672			12789	VB	
	16.134			28	BB	
	16.324			14018	BV	
PCB016	16.613	-0.99	0.1951	63070	VE	1
	16.868			3543	EV	
	17.301			202	VB	
	17.678			34	BV	
	18.076			10747	BV	
PCB016	18.405	-2.31	0.1985	103625	VV	1
	18.876			9583	VV	
	19.331			37592	VV	
	19.483			19512	VV	
PCB016	19.664	-0.25	0.1968	55077	VV	1
PCB016	20.028	0.36	0.1870	120800	VV	1
PCB016	20.702	0.81	0.1865	61533	VE	1
	20.923			8989	EV	
	21.133			6974	EV	
	21.306			62936	VV	
	21.554			39160	VV	
	21.707			31414	VV	
	21.836			20633	VV	
	22.249			7025	VV	
	22.709			52693	VV	
	22.899			21156	VV	
	23.146			16171	VV	
	23.252			27883	VV	
	23.468			12411	VV	
	23.628			4363	VV	
	23.837			6133	VV	
	24.083			11697	VV	
PCB254	24.389	0.07	0.06662	34705	VV	2
PCB260	24.669	-0.27	0.1982	29224	VE	3
PCB254	24.978	-0.02	3.272E-03	700	EV	2
	25.279			1180	EB	
	25.787			2143	BB	
PCB254	26.117	-0.25	5.896E-03	1036	BV	2
PCB254	26.379	-0.73	0.01594	4867	VB	2

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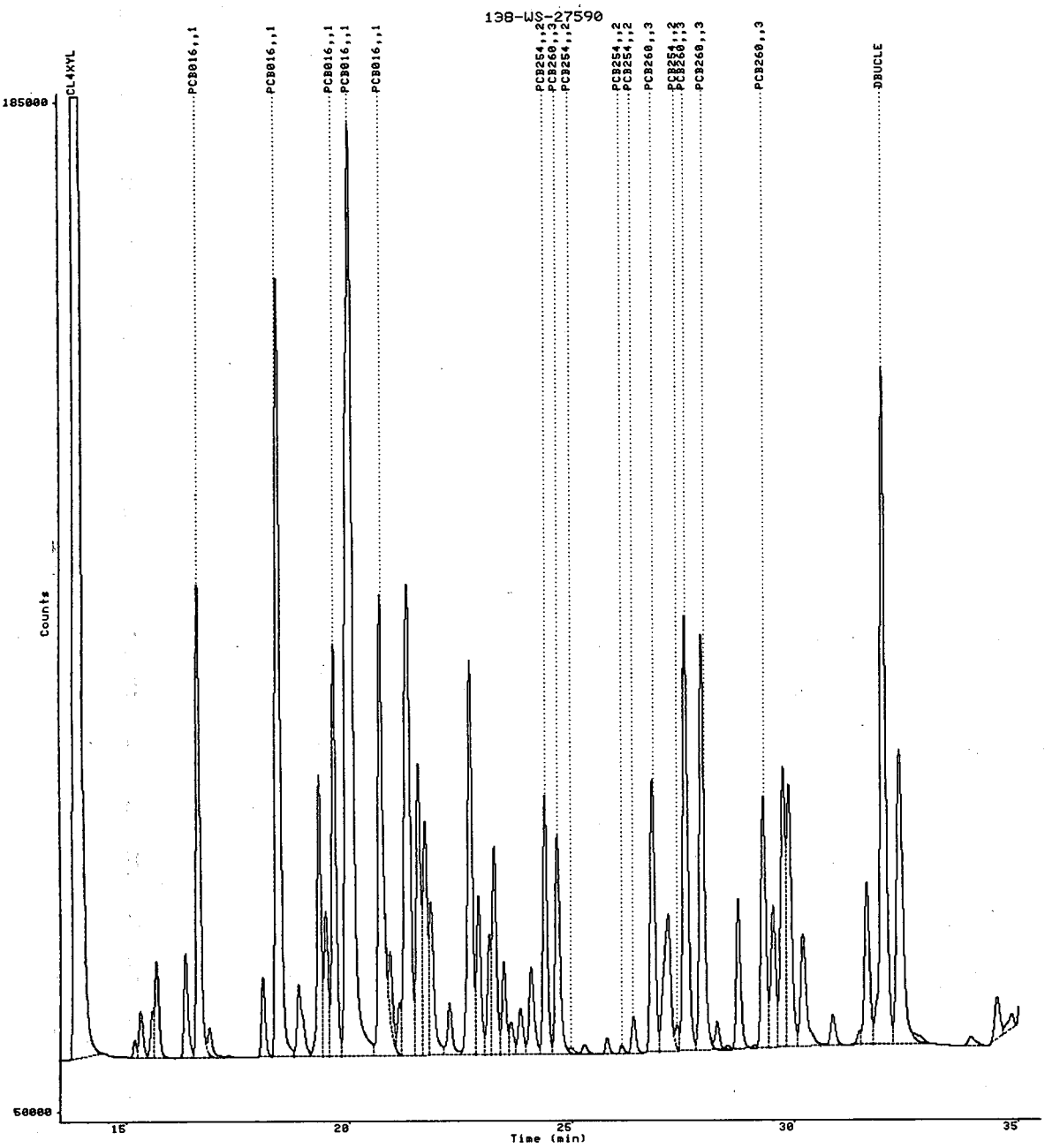
PCB260	26.803	1.84	0.1999	36378	BV	3
	27.150			18030	VE	
PCB254	27.357	-0.10	0.01003	3119	EV	2
PCB260	27.540	1.05	0.2045	57716	VV	3
PCB260	27.911	3.30	0.2031	55432	VE	3
	28.260			3666	EV	
	28.494			574	EV	
	28.731			20008	VE	
	29.111			479	EV	
PCB260	29.296	1.92	0.2122	33523	VV	3
	29.517			18975	VV	
	29.748			37482	VV	
	29.873			35106	VV	
	30.184			15063	VV	
	30.852			4035	VB	
	31.456			1916	BV	
	31.615			21644	VV	
DBUCLE	31.979	0.22	0.2391	89885	VV	
	32.345			39127	VE	
	32.781			754	EB	
	33.938			1157	BB	
	34.530			5681	BV	
	34.854			1913	VB	

GROUP REPORT

Group	HEIGHT
1	0.9639
2	0.1018
3	1.018

Data file: DISK:[TAYLORC]4797353068.RAW;1
Report: 1197270279
Acquired: 21-DEC-1997 18:01:41
Time range: 13.50-35.50



CCV_1660_1.0_5

00279

Date..... 2-JAN-1998 12:20:39.81 User: TAYLORC
Report number.....1197270285
Raw file.....DISK:[TAYLORC]4797353074.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 22:17:19
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0_6
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....119
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.441			3178		BB	
	5.815			1314		BV	
	5.942			851		VV	
	6.037			620		VE	
	6.196			70		EB	
	6.316			24		BV	
	6.391			38		VB	
	6.549			39		BV	
	6.639			104		VV	
	6.739			162		VB	
	6.926			51		BB	
	7.341			21		BB	
	7.571			42		BB	
	8.074			111		BB	
	8.408			26		BB	

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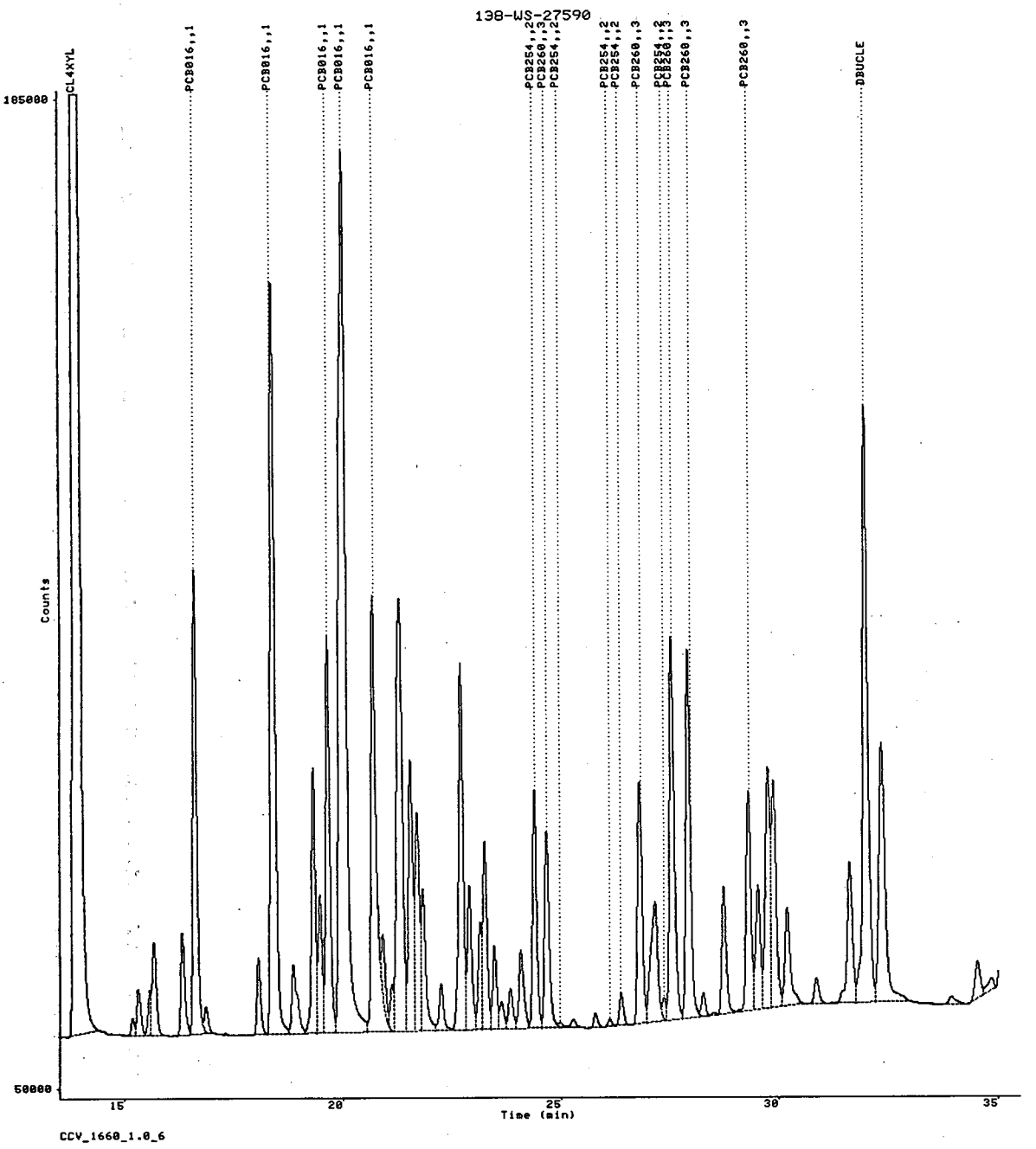
	8.645			35	BB	
	8.818			23	BB	
	9.550			3802	BV	
	9.754			2640	VB	
	10.173			83	BB	
	10.361			1488	BE	
	10.599			48	EV	
	10.645			79	EB	
	10.802			32	BV	
	10.872			47	VB	
	11.049			384	BE	
	11.255			81	EB	
	11.517			116	BV	
	11.613			77	VV	
	11.684			48	VV	
	11.764			15	VB	
	12.022			28	BB	
	12.161			33	BV	
	12.255			23	VB	
	12.613			458	BE	
	12.765			40	EV	
	12.918			22	EB	
	13.111			42	BB	
	13.403			32	BV	
	13.464			24	VB	
	13.579			17	BB	
CL4XYL	13.873	-2.07	0.2106	560379	BB	
	14.687			58	BV	
	14.959			19	BB	
	15.180			2291	BV	
	15.311			6310	VV	
	15.572			6163	VV	
	15.670			12761	VB	
	16.122			37	BB	
	16.321			14020	BV	
PCB016	16.610	-0.85	0.1953	63128	VE	1
	16.865			3311	EB	
	17.301			149	BB	
	17.658			34	BB	
	18.073			10552	BV	
PCB016	18.403	-2.24	0.1949	102069	VV	1
	18.874			9393	VV	
	19.329			36343	VV	
	19.480			18985	VV	
PCB016	19.661	-0.06	0.1922	53915	VV	1
PCB016	20.022	0.70	0.1774	115276	VV	1
PCB016	20.699	0.96	0.1791	59374	VE	1
	20.921			8615	EV	
	21.129			6368	EV	
	21.302			59069	VV	
	21.551			37117	VV	
	21.703			29835	VV	
	21.831			19348	VV	
	22.246			6401	VV	
	22.706			49745	VV	
	22.895			19594	VV	
	23.143			14726	VV	
	23.249			25650	VV	
	23.465			11340	VV	
	23.625			3714	VV	

	23.834			5436	VV	
	24.078			10700	VV	
PCB254	24.386	0.22	0.06196	32387	VV	2
PCB260	24.663	0.04	0.1797	26659	VE	3
PCB254	24.974	0.24	2.617E-03	560	EV	2
	25.275			1025	EB	
	25.609			33	BB	
	25.784			1920	BB	
PCB254	26.115	-0.10	5.405E-03	950	BV	2
PCB254	26.375	-0.49	0.01432	4378	VB	2
PCB260	26.800	2.05	0.1802	32842	BV	3
	27.148			16176	VE	
PCB254	27.356	-0.03	9.045E-03	2814	EV	2
PCB260	27.537	1.21	0.1829	51955	VV	3
PCB260	27.909	3.44	0.1826	49976	VE	3
	28.259			3040	EB	
	28.496			379	BB	
	28.730			17264	BE	
	29.108			327	EV	
PCB260	29.293	2.08	0.1886	29839	VV	3
	29.515			16854	VV	
	29.745			32593	VV	
	29.872			30737	VV	
	30.182			13180	VB	
	30.851			3514	BB	
	31.613			19138	BV	
DBUCLE	31.978	0.29	0.2166	80727	VV	
	32.343			34998	VB	
	33.536			17	BB	
	33.931			1015	BE	
	34.527			5063	BV	
	34.854			1663	VB	

GROUP REPORT

Group	HEIGHT
1	0.9388
2	9.335E-02
3	0.9139

Data file: DISK:[TAYLORC]4797353074.RAW;1
Report: 1197270285
Acquired: 21-DEC-1997 22:17:19
Time range: 13.50-35.50



1/2/98
1/5/98

00283

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..... 2-JAN-1998 12:15:45.94 User: TAYLORC
Report number.....1197270226
Raw file.....DISK:[TAYLORC]4797353018.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

1/2/98

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

1/5/98

Acq. date.....20-DEC-1997 06:31:39
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....RINSE
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....167
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		
24.98	PCB254	2		
26.83	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

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Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.210			144			BV	
	5.312			1136			VV	
	5.438			3411			VB	
	5.800			1018			BE	
	6.031			145			EB	
	6.345			12			VB	

	6.637			37	BV	
	6.735			79	VB	
	7.233			18	BV	
	7.368			68	VB	
	7.575			35	BB	
	7.920			30	BB	
	8.077			143	BB	
	8.374			25	BV	
	8.448			47	VB	
	9.033			21	BB	
	9.126			24	BB	
	9.331			23	BV	
	9.382			11	VB	
	9.758			359	BB	
	10.019			21	BB	
	10.190			35	BB	
	10.311			28	BB	
	10.692			41	VV	
	10.790			26	VB	
	10.883			12	BB	
	11.049			136	BB	
	11.233			30	BV	
	11.272			28	VB	
	11.510			47	BB	
	11.763			21	BB	
	11.848			21	BB	
	12.039			28	BB	
	12.224			17	BB	
	12.573			31	BB	
	12.738			19	BV	
	12.950			35	BB	
	13.124			18	BB	
	13.279			26	BV	
	13.396			40	VV	
	13.481			31	VV	
	13.669			42	VV	
	13.725			41	VV	
CL4XYL	13.793	2.69	7.139E-06	21	VB	
	14.065			39	BV	
	14.222			25	BV	
	14.356			20	VV	
	14.533			80	VV	
	14.672			37	VV	
	14.726			18	VB	
	15.085			15	BB	
	15.298			22	BB	
	15.524			26	VB	
	15.847			105	BV	
	16.001			39	VV	
	16.157			26	VV	
	16.224			33	VB	
	16.472			59	BB	
	16.726			20	BB	
	17.270			54	BV	
	17.337			63	VV	
	17.403			43	VB	
	17.621			22	BB	
	17.849			45	BB	
	18.147			124	BE	
PCB016	18.327	2.34	3.747E-05	23	EB	1

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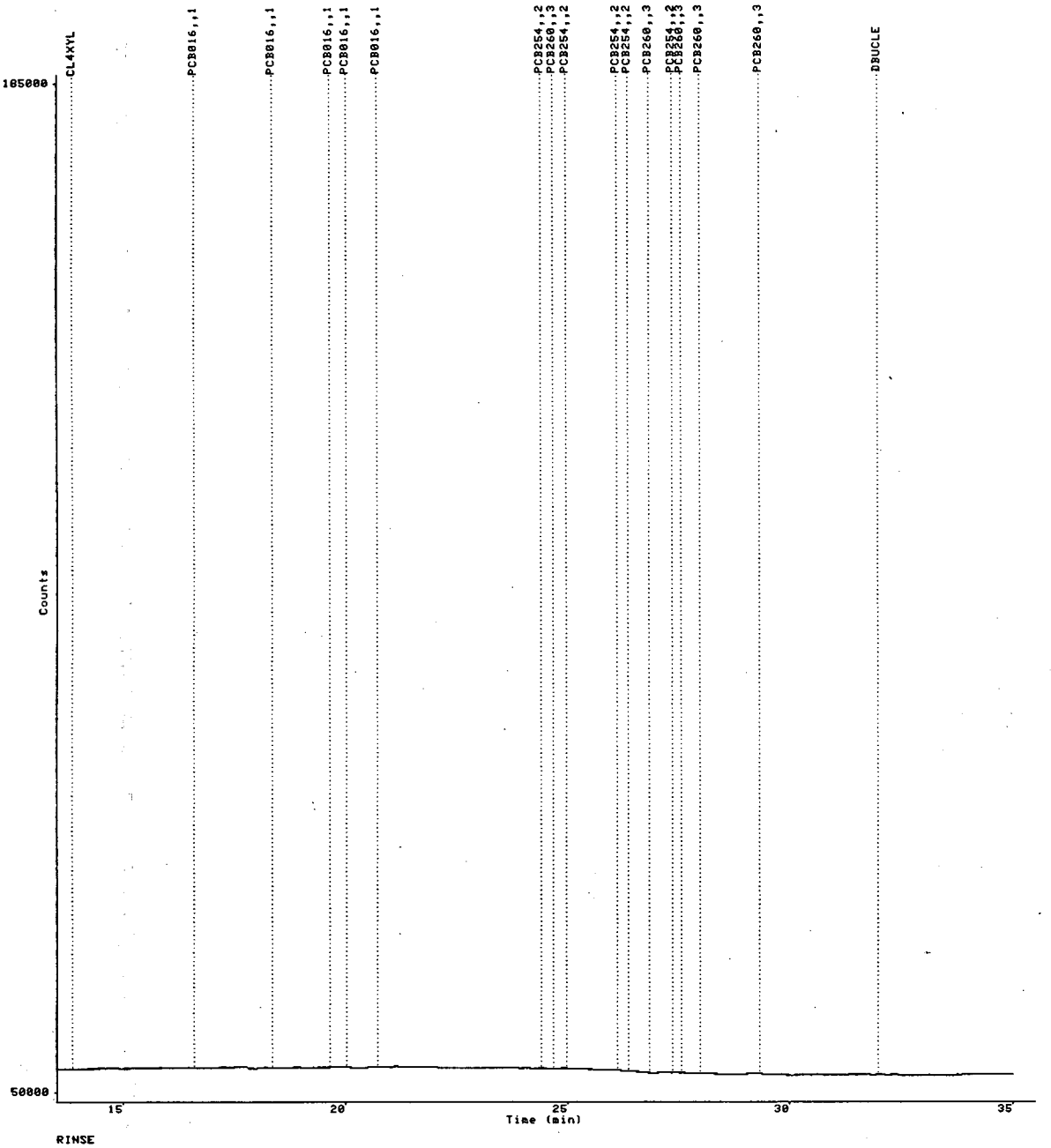
	18.453			13	BB	
	18.720			29	BB	
	18.856			23	BV	
	19.101			25	BV	
	19.148			19	VB	
	19.279			20	BB	
	19.397			19	BB	
	19.525			26	BB	
PCB016	19.707	-2.81	2.892E-05	9	BB	1
	19.838			18	BV	
	19.927			62	VB	
PCB016	20.052	-1.05	1.386E-05	10	BB	1
	20.379			22	BB	
PCB016	20.706	0.54	6.502E-05	24	BB	1
	21.141			232	BB	
	21.387			20	BB	
	21.971			24	BB	
	22.497			23	BB	
	22.680			30	BV	
	23.038			19	BB	
	23.207			20	BV	
	23.332			36	VB	
	23.901			9	BB	
	24.016			23	BV	
	24.244			19	BB	
PCB254	24.394	-0.22	5.303E-05	29	BV	2
	24.465			28	VB	
PCB260	24.728	-3.81	1.777E-04	28	BV	3
	24.850			19	VB	
	25.159			36	BB	
	25.474			24	BB	
	25.675			21	BB	
PCB254	26.130	-1.01	1.476E-04	26	BB	2
PCB254	26.363	0.27	1.104E-04	34	BB	2
	26.543			31	BB	
	27.115			18	BB	
PCB254	27.353	0.15	3.525E-05	11	BB	2
	27.512			35	BV	
PCB260	27.591	-2.06	1.171E-04	35	VB	3
PCB260	27.887	4.74	4.271E-05	12	BB	3
	28.129			15	BB	
	28.333			32	BB	
	29.181			24	BV	
PCB260	29.250	4.68	1.437E-04	23	VB	3
	30.185			23	BV	
	30.247			28	VV	
	30.361			88	VB	
	30.543			42	BB	
	30.620			23	BB	
	31.055			37	BV	
	31.169			11	VB	
	31.372			28	BB	
	31.573			26	BB	
	31.641			20	BB	
DBUCLE	31.975	0.47	3.807E-05	13	BB	
	32.313			21	BB	
	32.615			23	BV	
	33.068			31	BB	
	33.115			27	BB	
	33.406			17	BB	

33.771	28	BV
33.920	35	VV
34.111	33	VV
34.200	14	VB
34.778	29	BV
34.811	23	VB

GROUP REPORT

Group	HEIGHT
1	1.453E-04
2	3.462E-04
3	4.812E-04

Data file: DISK:[TAYLORC]4797353018.RAW;1
Report: 1197270226
Acquired: 20-DEC-1997 06:31:39
Time range: 13.50-35.50



00289

Date..... 2-JAN-1998 12:15:50.59 User: TAYLORC
Report number.....1197270227
Raw file.....DISK:[TAYLORC]4797353019.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 07:14:12
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....BL-142141-1
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....138
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
19.66	PCB016	1	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.060			3012		BV	
	5.149			1105		VV	
	5.322			3372		VV	
	5.593			2417		VV	
	5.754			2783		VV	
	5.831			3776		VV	
	5.965			4459		VV	
	6.099			4602		VV	

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	6.231			5205	VB	
	6.609			4079	BV	
	6.779			3191	VV	
	7.052			3016	VV	
	7.394			4023	VV	
	7.563			2961	VV	
	7.794			2834	VV	
	7.937			2607	VV	
	8.075			2388	VV	
	8.241			1894	VV	
	8.446			1603	VV	
	8.660			2369	VV	
	8.992			2032	VB	
	9.409			49	BV	
	9.544			1370	VV	
	9.755			1449	VV	
	10.082			468	VV	
	10.263			426	VV	
	10.364			567	VV	
	10.556			239	VB	
	10.721			45	BB	
	10.895			42	BB	
	11.046			212	BB	
	11.261			142	BB	
	11.510			573	BV	
	11.605			348	VV	
	11.771			383	VB	
	12.019			57	BB	
	12.150			28	BB	
	12.419			194	BB	
	12.828			37	BB	
	13.139			620	BV	
	13.261			637	VV	
	13.463			694	VV	
CL4XYL	13.871	-2.01	17.54	151086	VE	
	14.495			281	EV	
	14.630			60	EB	
	15.005			220	BV	
	15.193			78	VB	
	15.432			71	BV	
	15.569			1349	VB	
	16.023			677	BV	
	16.116			585	VV	
	16.284			320	VV	
PCB016	16.667	-4.25	0.3361	359	VB	1
	17.018			517	BV	
	17.265			514	VB	
	17.517			241	BV	
	17.690			531	VV	
	17.888			567	VB	
	18.158			304	BB	
PCB016	18.439	-4.39	0.02444	45	BB	1
	18.762			136	BB	
	18.999			35	BB	
	19.255			487	BV	
	19.403			1758	VB	
	19.887			150	BV	
PCB016	20.033	0.07	0.07114	154	VB	1
	20.223			174	BV	
	20.382			460	VV	

PCB016	20.697	1.06	0.1102	122	VB	1
	20.925			180	BB	
	21.140			462	BV	
	21.326			492	VV	
	21.545			470	VV	
	21.682			258	VB	
	21.860			17	BB	
	21.991			31	BB	
	22.270			28	BB	
	22.525			326	BV	
	22.709			318	VV	
	22.892			123	VB	
	23.039			30	BV	
	23.126			20	VB	
	23.254			34	BB	
	23.650			64	BV	
	23.825			285	VV	
	24.103			266	VB	
PCB254	24.388	0.11	0.5346	876	BV	2
PCB260	24.665	-0.08	1.510	713	VV	3
PCB254	24.954	1.43	0.8037	516	VE	2
	25.258			72	EB	
	25.791			237	BB	
PCB254	26.093	1.20	0.1343	71	BB	2
PCB254	26.374	-0.42	0.3205	296	BB	2
	26.675			94	BV	
PCB260	26.829	0.28	1.714	947	VV	3
	27.169			231	VV	
PCB254	27.355	-0.02	0.5600	524	VV	2
PCB260	27.541	0.98	0.4629	415	VB	3
PCB260	27.910	3.34	0.5055	426	BV	3
	28.723			71	BB	
	29.136			237	BV	
PCB260	29.282	2.76	0.6979	335	VV	3
	29.490			169	VV	
	29.745			358	VB	
	30.224			55	BB	
	30.340			26	BB	
	30.536			11	BB	
	30.709			39	BV	
	30.830			180	VB	
	31.264			16	BV	
	31.367			27	VB	
	31.532			24	BB	
	31.756			6	BB	
DBUCLE	31.979	0.26	19.51	20478	BB	
	32.335			26	BB	
	32.745			13	BB	
	33.468			25	BV	
	33.691			30	VB	
	33.918			20	BB	
	34.026			21	BV	
	34.098			20	VB	
	34.591			16	BB	
	34.846			33	BB	

GROUP REPORT

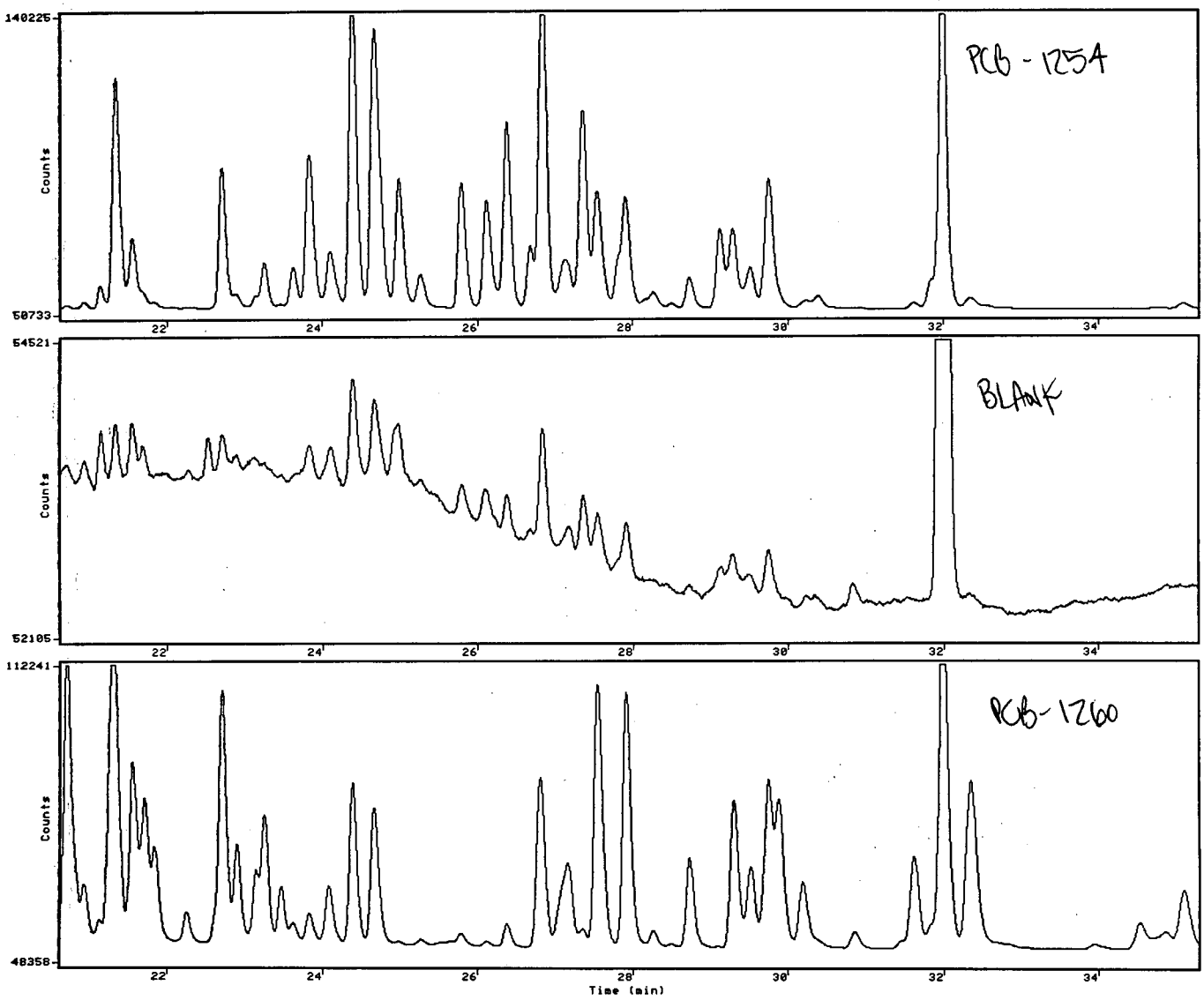
Group HEIGHT

1	0.5418
2	2.353
3	4.891

Date: 2-JAN-1998 12:43:52.12

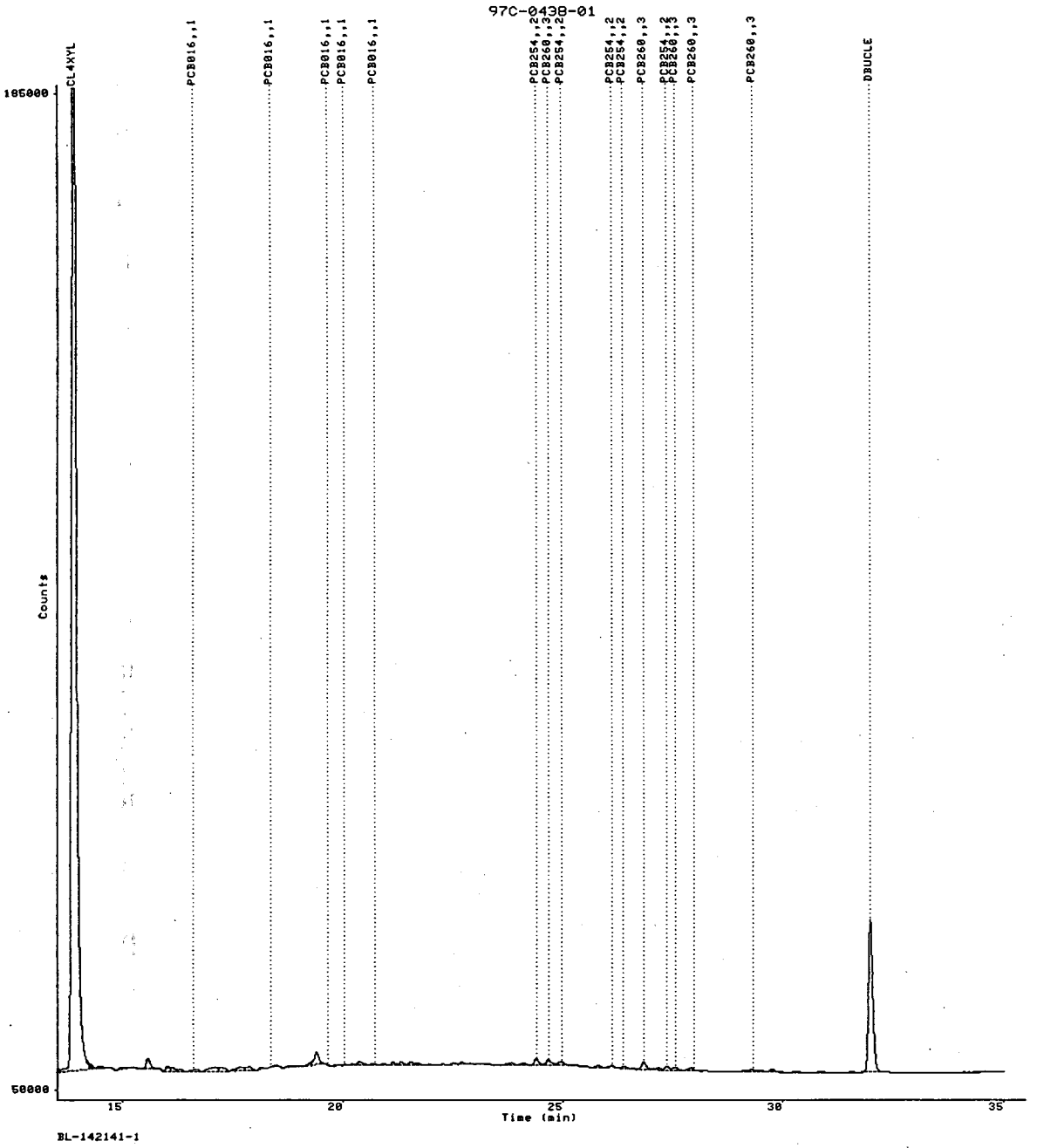
Filename	Start Time	End Time	Minimum Counts	Maximum Counts	Line Type
4797353013	20.60	35.31	50733	140225	1
4797353019	20.60	35.31	52105	54521	1
4797353007	20.60	35.31	48358	112241	1

PCB-1254 match



00294

Data file: DISK:[TAYLORC]4797353019.RAW;1
Report: 1197270227
Acquired: 20-DEC-1997 07:14:12
Time range: 13.50-35.50



00295

Date..... 2-JAN-1998 12:15:55.15 User: TAYLORC
Report number.....1197270228
Raw file.....DISK:[TAYLORC]4797353020.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 07:56:41
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....QC-142141-1
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....127
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.049			820229		BE	
	5.180			79774		EV	
	5.298			189653		VV	
	5.325			187802		VB	
	5.502			5211		BB	
	5.658			238630		BE	
	5.805			35374		EV	
	5.921			117732		VV	
	6.021			64627		VV	
	6.089			123733		VV	
	6.253			31464		VB	
	6.363			35411		BV	
	6.433			39590		VB	
	6.610			167019		BV	
	6.741			48679		VV	

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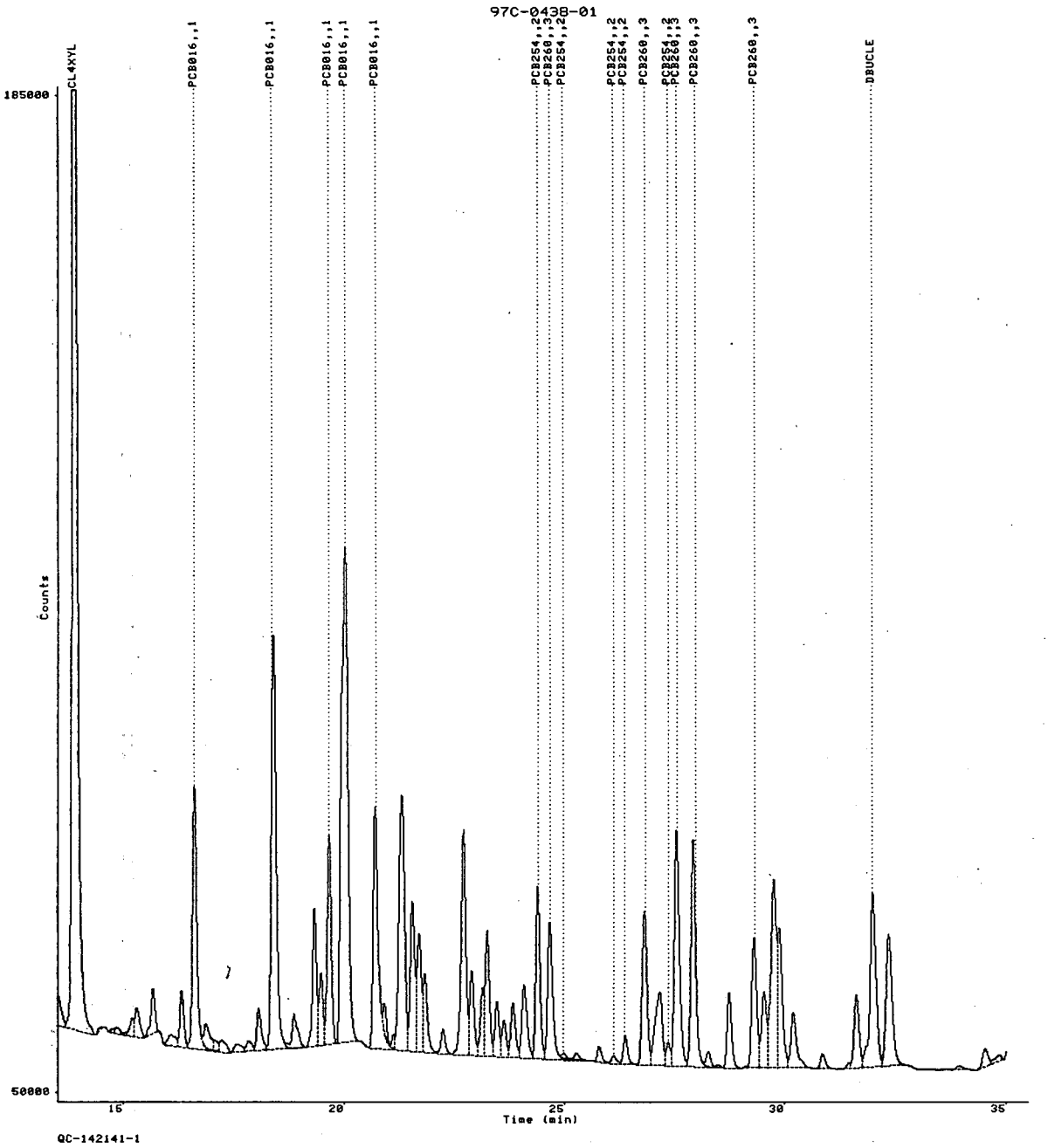
	6.838			39475	VB	
	7.044			29359	BV	
	7.127			156677	VV	
	7.253			56001	VV	
	7.540			28218	VV	
	7.672			28464	VV	
	7.819			15361	VV	
	7.945			31112	VV	
	8.055			59762	VV	
	8.199			34117	VB	
	8.497			12529	BB	
	8.649			10639	BB	
	8.874			18637	BE	
	9.081			3872	EV	
	9.183			18604	VB	
	9.418			12316	BV	
	9.594			12520	VV	
	9.689			6390	VB	
	9.837			775	BB	
	9.999			6080	BV	
	10.125			4730	VV	
	10.310			11860	VV	
	10.392			7886	VB	
	10.562			4063	BB	
	10.754			1244	BV	
	10.857			1404	VV	
	10.952			4669	VB	
	11.145			1262	BV	
	11.217			2068	VB	
	11.570			7656	BB	
	11.811			980	BB	
	11.989			2007	BB	
	12.251			5055	BB	
	12.479			3753	BB	
	12.735			712	BV	
	12.833			1386	VB	
	13.018			1739	BV	
	13.187			2361	VB	
	13.517			3855	BV	
CL4XYL	13.871	-2.00	20.15	172925	VB	
	14.456			365	BB	
	14.746			454	BV	
	14.838			739	VB	
	15.043			375	BV	
	15.207			2362	VV	
	15.305			3826	VB	
	15.671			6074	BB	
	16.080			1334	BV	
	16.319			7427	VV	
PCB016	16.609	-0.81	34.92	35465	VE	1
	16.878			3277	EV	
	17.060			1445	EV	
	17.237			1553	VB	
	17.592			1090	BV	
	17.853			1452	VV	
	18.074			5705	VV	
PCB016	18.403	-2.19	32.74	55832	VE	1
	18.873			4616	EB	
	19.327			18716	BV	
	19.476			9891	VV	

PCB016	19.660	0.00	31.74	28189	VV	1
PCB016	20.022	0.72	31.48	64536	VB	1
PCB016	20.699	0.98	30.86	32376	BE	1
	20.919			3892	EV	
	21.123			1942	EV	
	21.303			34272	VV	
	21.550			20179	VV	
	21.703			15880	VV	
	21.833			10502	VV	
	22.246			3265	VB	
	22.707			30200	BV	
	22.894			11444	VV	
	23.143			9140	VV	
	23.248			16855	VV	
	23.464			7340	VV	
	23.625			4830	VV	
	23.833			7300	VV	
	24.085			9769	VV	
PCB254	24.386	0.26	14.48	23017	VV	2
PCB260	24.665	-0.09	40.43	18359	VE	3
PCB254	24.975	0.18	1.086	697	EV	2
	25.272			910	EB	
	25.784			2045	BB	
PCB254	26.113	0.01	1.790	944	BV	2
PCB254	26.376	-0.57	4.019	3690	VB	2
PCB260	26.808	1.58	37.36	20508	BV	3
	27.152			9668	VV	
PCB254	27.355	0.02	3.311	3089	VV	2
PCB260	27.540	1.02	36.31	31593	VV	3
PCB260	27.912	3.21	36.72	30465	VE	3
	28.262			2039	EV	
	28.491			367	EB	
	28.732			10076	BB	
	29.134			299	BV	
PCB260	29.296	1.90	37.02	17653	VV	3
	29.522			10271	VV	
	29.747			25348	VV	
	29.870			18926	VV	
	30.186			7415	VB	
	30.853			1912	BB	
	31.456			751	BV	
	31.617			9887	VV	
DBUCLE	31.985	-0.14	22.12	23293	VV	
	32.348			17701	VB	
	33.142			17	BB	
	33.245			19	BB	
	33.679			21	BB	
	33.941			530	BB	
	34.532			2398	BV	
	34.856			834	VB	

GROUP REPORT

Group	HEIGHT
1	161.7
2	24.68
3	187.8

Data file: DISK:[TAYLORC]4797353020.RAW;1
Report: 1197270228
Acquired: 20-DEC-1997 07:56:41
Time range: 13.50-35.50



00300

Date..... 2-JAN-1998 12:16:00.67 User: TAYLORC
Report number.....1197270229
Raw file.....DISK:[TAYLORC]4797353021.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 08:39:14
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....151
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.039			2235		BB	
	5.292			687		BV	
	5.445			2602		VB	
	5.657			1438		BV	
	5.804			1413		VV	
	5.921			1318		VV	
	6.020			1296		VV	
	6.078			1320		VV	
	6.249			829		VV	
	6.357			694		VV	
	6.433			642		VV	
	6.607			756		VV	
	6.736			294		VB	
	7.050			109		BV	
	7.121			444		VV	

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	7.245			58	VB	
	7.545			121	BB	
	7.684			104	BB	
	8.070			261	BV	
	8.190			55	VB	
	8.453			105	BB	
	8.646			44	BB	
	8.897			30	BB	
	8.962			17	BB	
	9.181			57	BB	
	9.417			60	BB	
	9.758			1426	BE	
	10.030			24	EB	
	10.176			131	BB	
	10.319			29	BB	
	10.632			16	BB	
	10.888			57	BV	
	11.050			4004	VB	
	11.518			41	BB	
	11.734			47	BV	
	11.813			48	VB	
	12.049			32	BB	
	12.273			217	BB	
	12.474			28	BB	
	12.790			22	BB	
	12.904			49	BB	
	13.352			40	BV	
	13.443			32	VV	
	13.489			21	VV	
	13.543			19	VB	
CL4XYL	13.876	-2.31	0.1611	1421	BB	
	14.182			22	BB	
	14.312			43	BB	
	14.501			111	BB	
	14.697			66	BV	
	14.827			37	VB	
	14.989			24	BB	
	15.315			12	BB	
	15.376			18	BB	
	15.796			32	BV	
	15.859			47	VB	
	16.158			252	BB	
	16.429			46	BB	
PCB016	16.589	0.42	0.01310	14	BB	1
	16.709			22	BB	
	16.784			43	BB	
	16.954			77	BB	
	17.222			35	BB	
	17.585			36	BV	
	17.617			50	VV	
	17.843			149	VB	
	18.104			77	BV	
	18.155			43	VB	
PCB016	18.416	-2.99	0.05540	102	BB	1
	18.846			27	BB	
	19.013			107	BB	
	19.260			123	BB	
PCB016	19.656	0.22	0.3772	352	BB	1
	19.934			148	BV	
PCB016	20.039	-0.31	0.1058	229	VB	1

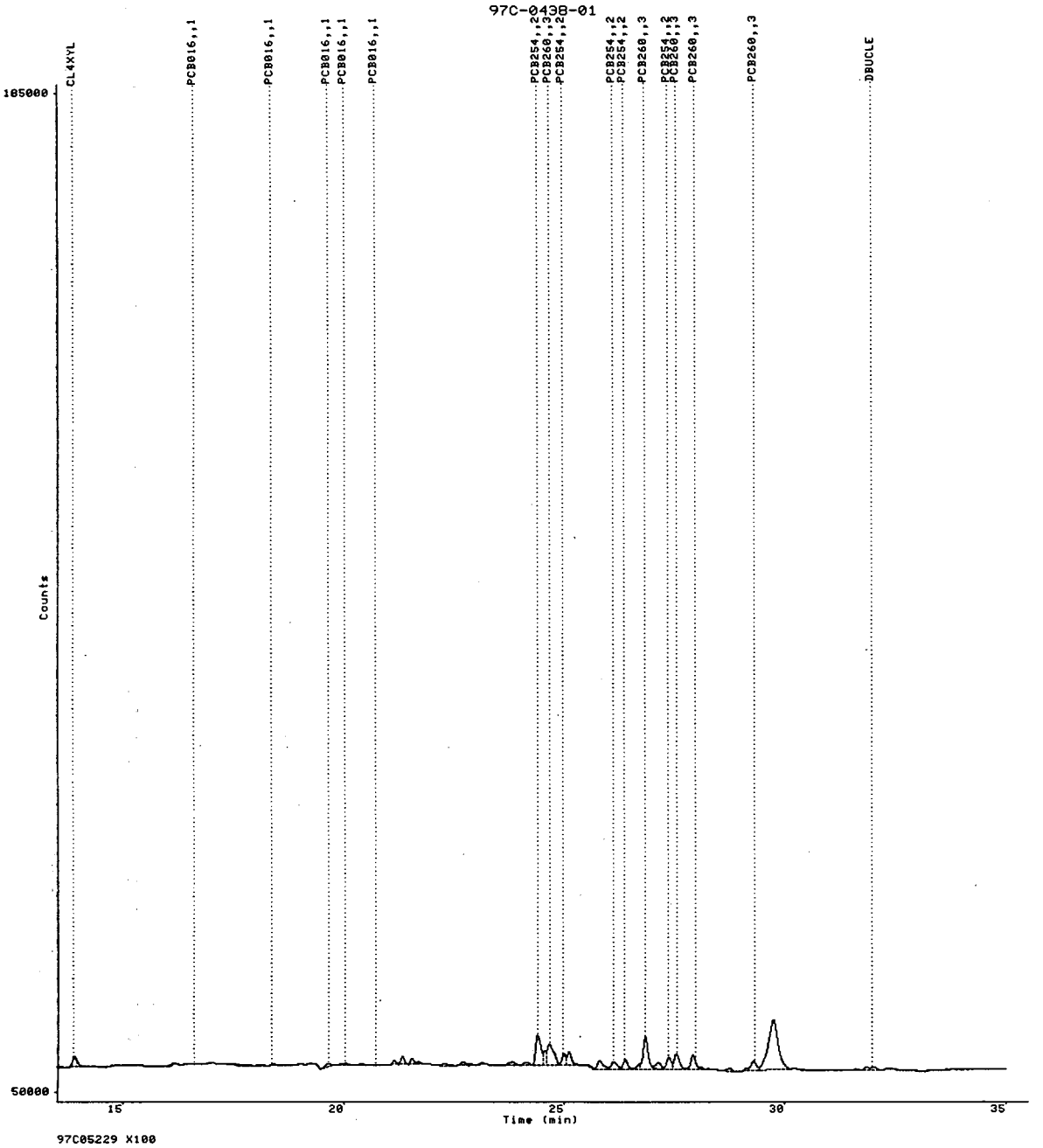
	20.411			93	VB	
PCB016	20.661	3.23	0.02258	25	BB	1
	20.803			26	BB	
	20.933			88	BB	
	21.147			643	BV	
	21.332			1138	VV	
	21.550			806	VV	
	21.698			334	VE	
	21.857			26	EB	
	22.202			43	BV	
	22.296			212	VB	
	22.467			19	BB	
	22.712			573	BV	
	22.886			179	VB	
	23.140			318	BB	
	23.440			34	BB	
	23.602			102	BV	
	23.833			473	VV	
	24.145			371	VB	
PCB254	24.401	-0.66	2.470	4031	BV	2
	24.564			1997	VV	
PCB260	24.662	0.10	5.991	2816	VV	3
PCB254	24.994	-0.95	2.382	1525	VV	2
	25.111			1748	VB	
	25.426			25	BB	
	25.539			116	BB	
	25.800			1154	BV	
PCB254	26.122	-0.57	1.937	1021	VV	2
PCB254	26.381	-0.81	1.395	1286	VV	2
	26.691			698	VV	
PCB260	26.841	-0.41	7.914	4368	VE	3
	27.123			860	EV	
PCB254	27.367	-0.74	1.765	1649	VV	2
PCB260	27.540	1.00	2.363	2115	VV	3
PCB260	27.914	3.12	2.328	1960	VE	3
	28.083			190	EV	
	28.265			132	EB	
	28.425			19	BB	
	28.736			347	BB	
PCB260	29.290	2.25	2.714	1302	BV	3
	29.743			6641	VB	
	30.201			24	BB	
	30.359			62	BB	
	30.877			29	BB	
	30.964			20	BB	
	31.269			24	BB	
	31.618			149	BV	
	31.853			436	VV	
DBUCLE	32.009	-1.58	0.3854	395	VB	
	32.349			291	BB	
	32.754			10	BV	
	32.811			33	VB	
	33.307			16	BB	
	33.466			15	BB	
	33.520			24	BB	
	33.790			67	BV	
	33.931			83	VV	
	33.989			90	VV	
	34.115			72	VV	
	34.196			65	VV	

34.296	34	VV
34.396	20	VV
34.506	25	VV
34.572	17	VB

GROUP REPORT

Group	HEIGHT
1	0.5740
2	9.948
3	21.31

Data file: DISK:[TAYLORC]4797353021.RAW;1
Report: 1197270229
Acquired: 20-DEC-1997 08:39:14
Time range: 13.50-35.50



00305

Date..... 2-JAN-1998 12:16:05.32 User: TAYLORC
Report number.....1197270230
Raw file.....DISK:[TAYLORC]4797353022.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 09:21:44
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229MS X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....143
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.043			3239		BV	
	5.213			1033		VV	
	5.297			1735		VV	
	5.447			2978		VB	
	5.658			1747		BV	
	5.806			1544		VV	
	5.924			1510		VV	
	6.018			1395		VV	
	6.079			1459		VV	
	6.244			875		VV	
	6.361			759		VV	
	6.433			672		VV	
	6.608			875		VV	
	6.739			268		VB	
	7.122			599		BB	

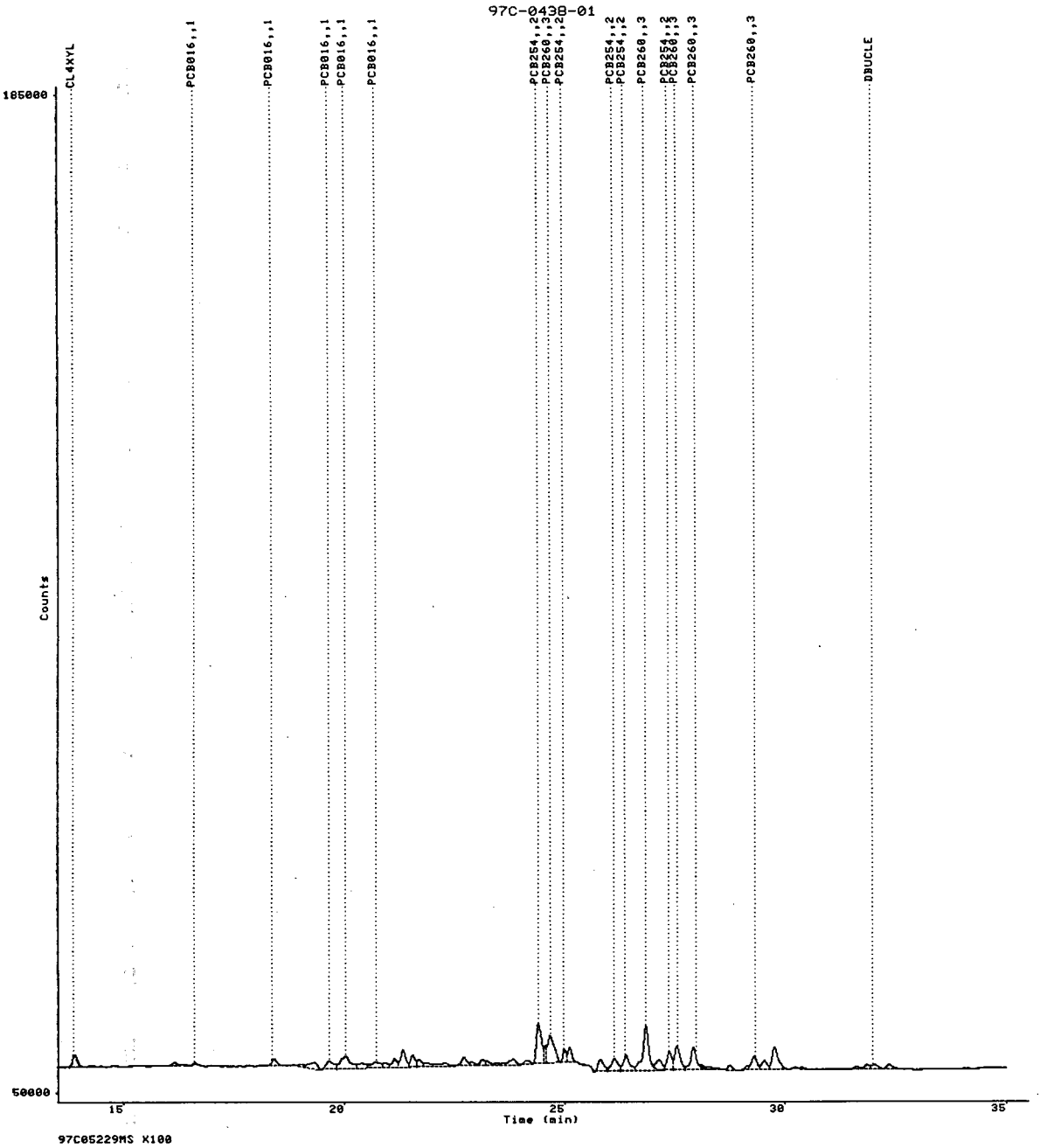
	7.252			99	BB	
	7.543			176	BB	
	7.685			157	BB	
	8.069			284	BV	
	8.189			58	VB	
	8.640			31	BB	
	8.936			141	BB	
	9.119			167	BV	
	9.196			192	VB	
	9.404			45	BB	
	9.566			47	BB	
	9.758			1293	BB	
	9.988			22	BB	
	10.165			40	BB	
	10.332			62	BV	
	10.414			48	VB	
	10.932			171	BV	
	11.050			4465	VB	
	11.530			71	BB	
	11.714			27	BB	
	11.805			18	BB	
	12.023			89	BV	
	12.268			336	VB	
	12.538			51	BV	
	12.578			38	VB	
	12.764			39	BB	
	12.904			46	BB	
	13.016			34	BB	
	13.226			113	BV	
	13.364			119	VV	
	13.448			118	VV	
	13.557			99	VV	
	13.746			113	VV	
CL4XYL	13.875	-2.25	0.1945	1716	VE	
	14.222			75	EV	
	14.311			75	EB	
	14.491			55	BB	
	14.706			55	BB	
	14.983			20	BB	
	15.318			44	BB	
	15.688			38	BB	
	16.151			506	BB	
	16.313			34	BB	
	16.430			36	BB	
PCB016	16.620	-1.42	0.3220	344	BB	1
	16.994			61	BB	
	17.239			12	BB	
	17.304			22	BB	
	17.497			29	VB	
	17.853			41	BB	
	18.089			114	BV	
	18.134			64	VB	
PCB016	18.410	-2.61	0.5105	939	BB	1
	18.860			32	BB	
	19.011			233	BV	
	19.313			845	VB	
PCB016	19.660	0.02	1.355	1263	BV	1
PCB016	20.031	0.17	0.7918	1712	VV	1
	20.405			746	VV	
PCB016	20.707	0.46	0.8156	902	VV	1

	20.929			696	VV	
	21.146			1199	VV	
	21.330			2350	VV	
	21.550			1630	VV	
	21.703			968	VV	
	21.854			527	VV	
	22.291			449	VE	
	22.436			42	EB	
	22.712			1151	BV	
	22.895			462	VV	
	23.137			797	VV	
	23.238			551	VV	
	23.462			285	VV	
	23.612			291	VV	
	23.833			767	VB	
	24.143			533	BB	
PCB254	24.399	-0.53	3.274	5334	BV	2
	24.564			2383	VV	
PCB260	24.665	-0.08	7.801	3660	VV	3
PCB254	24.993	-0.88	2.703	1730	VV	2
	25.112			1976	VB	
	25.396			54	BB	
	25.802			1618	BV	
PCB254	26.122	-0.55	3.214	1691	VV	2
PCB254	26.382	-0.90	2.292	2110	VV	2
PCB260	26.839	-0.31	10.90	6013	VE	3
	27.127			1325	EV	
PCB254	27.370	-0.90	2.582	2411	VV	2
PCB260	27.541	0.99	3.545	3170	VV	3
PCB260	27.915	3.07	3.572	3006	VE	3
	28.086			367	EV	
	28.264			365	EV	
	28.449			179	VB	
	28.735			541	BB	
	28.960			26	BB	
	29.142			569	BV	
PCB260	29.291	2.19	3.767	1807	VV	3
	29.521			1200	VV	
	29.757			3013	VB	
	30.203			46	BB	
	30.375			119	BB	
	30.866			25	BB	
	31.018			29	BV	
	31.196			23	BB	
	31.427			65	BV	
	31.618			323	VV	
	31.847			605	VV	
DBUCLE	32.018	-2.10	0.5219	535	VV	
	32.351			518	VB	
	32.964			24	BB	
	33.044			20	BB	
	33.230			13	BB	
	33.414			14	BB	
	33.681			18	BB	
	34.002			29	BV	
	34.142			26	BB	
	34.522			62	BV	
	34.611			28	VB	
	34.741			13	BB	

GROUP REPORT

Group	HEIGHT
1	3.795
2	14.06
3	29.58

Data file: DISK:[TAYLORC]4797353022.RAW;1
Report: 1197270230
Acquired: 20-DEC-1997 09:21:44
Time range: 13.50-35.50



00310

Date..... 2-JAN-1998 12:16:09.96 User: TAYLORC
Report number.....1197270231
Raw file.....DISK:[TAYLORC]4797353023.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 10:04:17
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229MSD X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....143
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.043			1991		BV	
	5.214			985		VV	
	5.292			1510		VV	
	5.445			3122		VB	
	5.663			1529		BV	
	5.801			1554		VV	
	5.926			1388		VV	
	6.021			1384		VV	
	6.079			1365		VV	
	6.243			947		VV	
	6.355			772		VV	
	6.439			681		VV	
	6.610			694		VV	
	6.734			282		VB	
	7.117			414		BB	

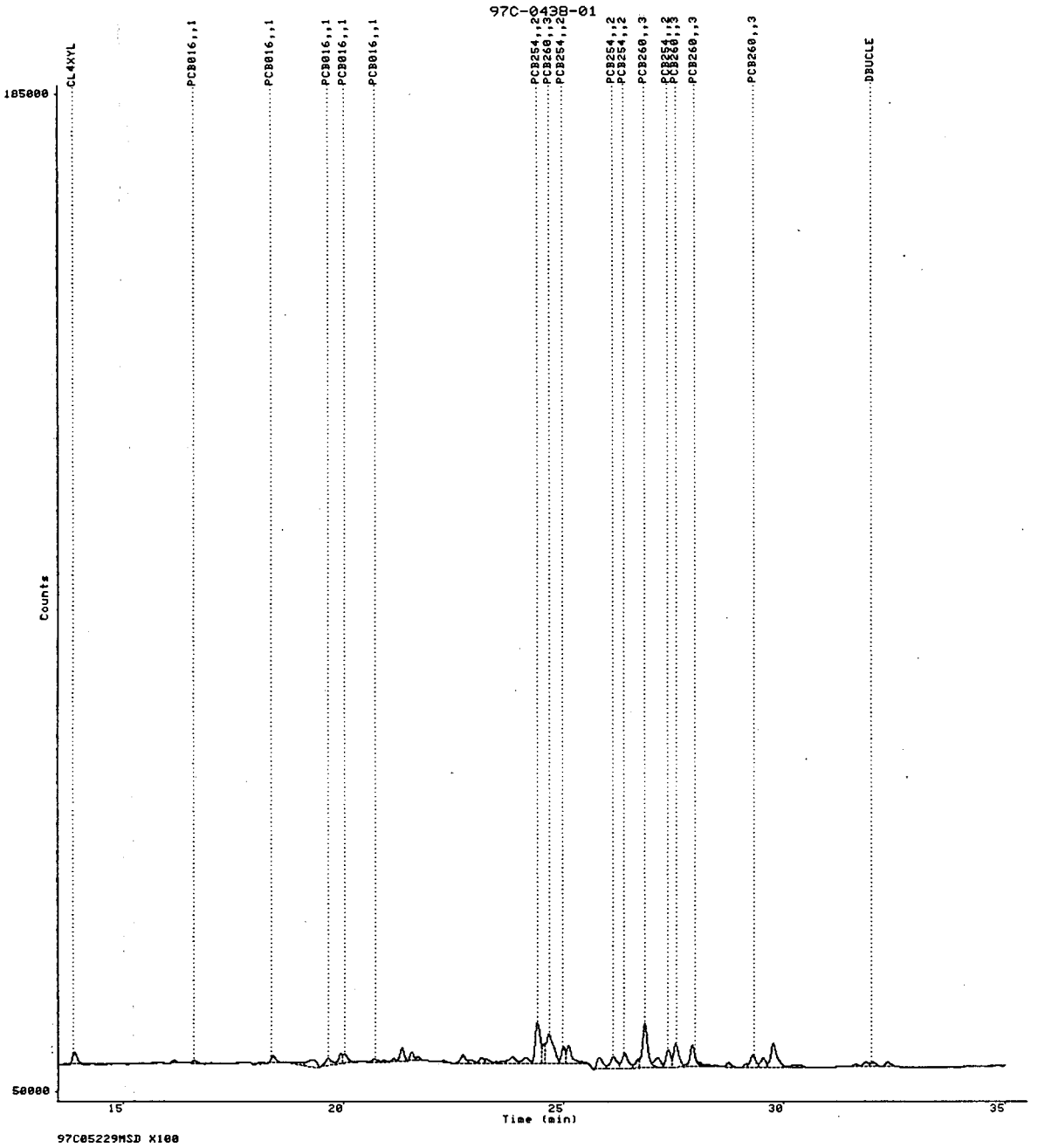
	7.546			154	BB	
	7.690			181	BB	
	8.077			254	BE	
	8.191			45	EB	
	8.615			31	BB	
	8.788			49	BB	
	8.918			111	BB	
	9.156			182	BB	
	9.406			61	BB	
	9.546			32	BV	
	9.587			31	VB	
	9.759			866	BE	
	10.035			36	EB	
	10.333			30	BB	
	10.644			22	BB	
	10.892			82	BV	
	11.050			1388	VB	
	11.524			101	BB	
	11.730			42	BV	
	11.808			25	VB	
	12.027			34	BB	
	12.268			199	BB	
	12.492			16	BB	
	12.785			28	BB	
	12.897			31	BB	
	13.202			64	BV	
	13.353			33	VV	
	13.456			23	VB	
CL4XYL	13.876	-2.29	0.1841	1624	BE	
	14.185			35	EV	
	14.240			40	EB	
	14.506			131	BB	
	14.677			84	BV	
	14.809			106	VB	
	14.972			22	BB	
	15.242			20	BB	
	15.444			22	BB	
	15.574			21	BB	
	15.687			51	BB	
	15.813			26	BB	
	16.158			360	BE	
	16.340			24	EB	
	16.415			30	BB	
PCB016	16.620	-1.47	0.3258	348	BB	1
	16.962			34	BB	
	17.276			40	BV	
	17.620			44	BV	
	17.670			30	VB	
	17.814			18	BB	
	18.099			261	BV	
	18.182			182	VV	
PCB016	18.408	-2.50	0.4882	898	VB	1
	18.862			131	BV	
	19.043			320	VV	
	19.309			884	VB	
PCB016	19.661	-0.08	1.112	1037	BV	1
	19.944			1417	VV	
PCB016	20.030	0.23	0.6043	1307	VE	1
	20.406			48	EB	
PCB016	20.709	0.34	0.3479	385	BV	1

	20.926			194	VB	
	21.143			431	BV	
	21.329			1764	VV	
	21.551			1152	VV	
	21.698			504	VB	
	22.181			23	BB	
	22.286			132	BB	
	22.712			1108	BV	
	22.883			455	VV	
	23.138			720	VV	
	23.246			528	VV	
	23.465			208	VV	
	23.626			313	VV	
	23.836			831	VV	
	24.136			698	VV	
PCB254	24.400	-0.58	3.312	5395	VV	2
	24.559			2641	VV	
PCB260	24.663	0.08	8.256	3872	VV	3
PCB254	24.991	-0.78	3.275	2094	VV	2
	25.109			2344	VE	
	25.398			98	EB	
	25.803			1630	BV	
PCB254	26.124	-0.67	3.164	1665	VV	2
PCB254	26.382	-0.90	2.278	2097	VV	2
	26.692			1300	VV	
PCB260	26.838	-0.24	10.96	6048	VE	3
	27.125			1277	EV	
PCB254	27.368	-0.80	2.527	2360	VV	2
PCB260	27.540	1.01	3.507	3136	VV	3
PCB260	27.915	3.03	3.528	2969	VE	3
	28.089			365	EV	
	28.270			297	EV	
	28.443			167	VB	
	28.736			572	BB	
	29.143			575	BV	
PCB260	29.290	2.29	3.746	1797	VV	3
	29.524			1302	VV	
	29.756			3235	VE	
	30.214			329	EV	
	30.365			351	EB	
	30.864			33	BB	
	31.053			10	BB	
	31.215			22	BV	
	31.615			323	BV	
	31.845			617	VV	
DBUCLE	32.015	-1.93	0.5677	582	VB	
	32.350			580	BB	
	33.281			16	BB	
	33.419			23	BV	
	33.470			17	VB	
	33.822			27	BB	
	33.954			29	BB	
	34.119			21	BB	
	34.501			31	BB	
	34.720			30	BV	
	34.823			22	VB	

GROUP REPORT

Group	HEIGHT
1	2.879
2	14.56
3	30.00

Data file: DISK:[TAYLORC]4797353023.RAW;1
Report: 1197270231
Acquired: 20-DEC-1997 10:04:17
Time range: 13.50-35.50



00315

Date..... 2-JAN-1998 12:16:14.60 User: TAYLORC
Report number.....1197270232
Raw file.....DISK:[TAYLORC]4797353024.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 10:46:47
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05230 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....138
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.038			1555		BV	
	5.212			907		VV	
	5.298			1394		VV	
	5.444			2895		VB	
	5.798			1306		BV	
	5.927			1105		VV	
	6.075			1157		VV	
	6.230			688		VV	
	6.357			483		VV	
	6.435			362		VV	
	6.609			453		VB	
	7.065			319		BV	
	7.113			402		VB	
	7.245			34		BB	
	7.543			138		BB	

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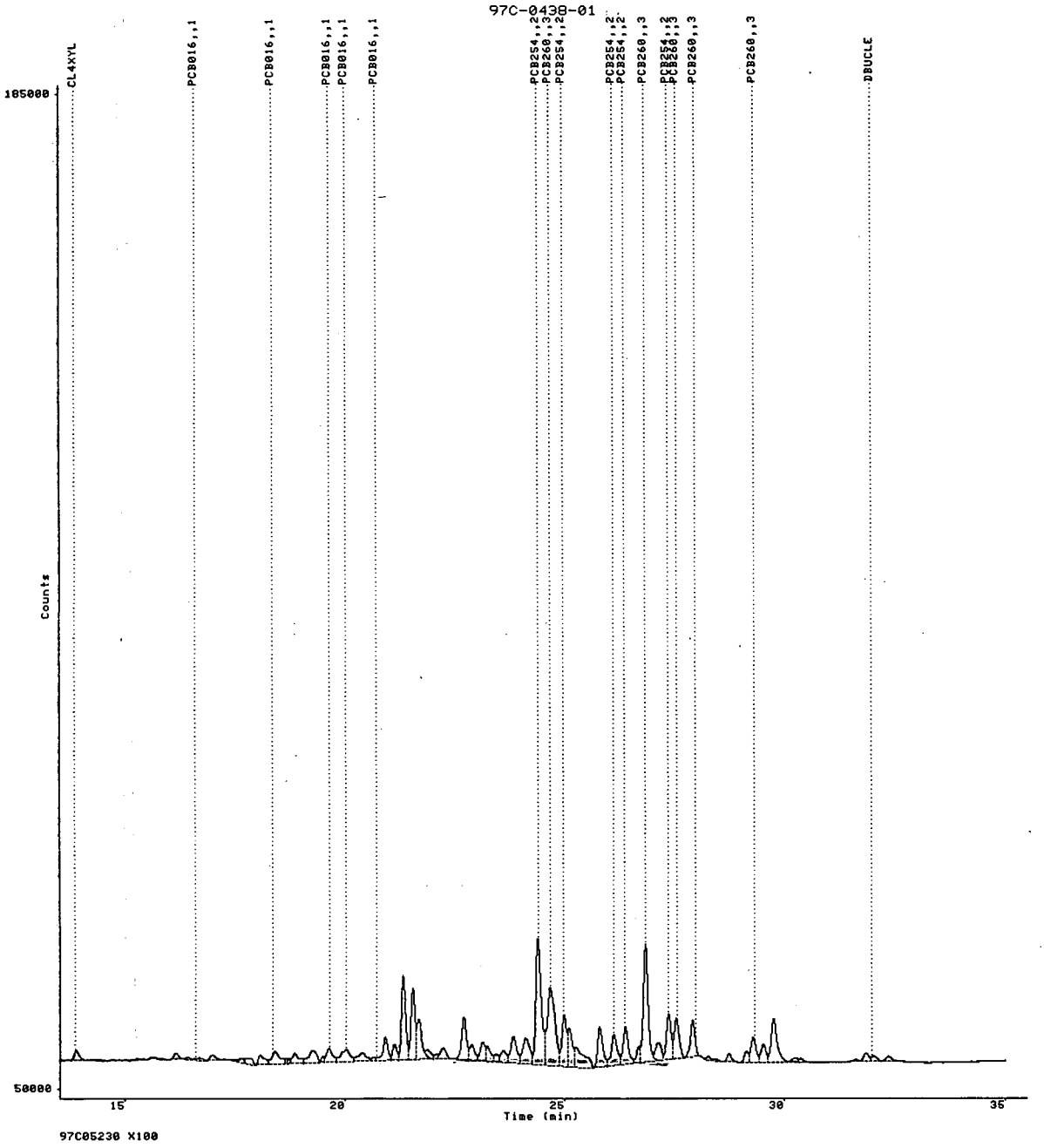
	7.689			161	BB	
	8.078			281	BV	
	8.250			227	VV	
	8.449			160	VV	
	8.585			137	VV	
	8.674			198	VV	
	8.785			170	VB	
	8.987			99	BE	
	9.420			184	BV	
	9.568			115	VV	
	9.756			1240	VB	
	10.164			133	BB	
	10.349			53	BB	
	10.612			74	BB	
	10.927			153	BV	
	11.046			1469	VB	
	11.511			249	BB	
	11.711			29	BB	
	12.009			105	BV	
	12.264			483	VB	
	12.485			75	BB	
	12.916			29	BB	
	13.204			189	BV	
	13.319			190	VV	
	13.548			130	VV	
	13.662			118	VV	
CL4XYL	13.870	-1.93	0.1531	1351	VB	
	14.210			49	BB	
	14.464			107	BB	
	14.757			186	BV	
	14.796			189	VV	
	14.982			64	VB	
	15.315			162	BV	
	15.422			69	VB	
	15.593			130	BB	
	15.791			37	BB	
	16.149			807	BB	
	16.421			211	BV	
PCB016	16.684	-5.30	0.2218	237	VB	1
	16.984			714	BE	
	17.268			42	EB	
	17.491			137	BV	
	17.646			397	VV	
	17.857			734	VB	
	18.082			1351	BV	
PCB016	18.418	-3.11	0.9676	1778	VV	1
	18.662			676	VV	
	18.725			663	VV	
	18.867			1409	VV	
	19.278			1637	VV	
	19.500			817	VV	
PCB016	19.642	1.07	2.075	1931	VV	1
PCB016	20.033	0.09	0.7645	1653	VV	1
	20.404			1184	VV	
PCB016	20.695	1.21	0.4392	486	VV	1
	20.925			3201	VV	
	21.130			2214	VV	
	21.328			11472	VV	
	21.548			9685	VV	
	21.684			5477	VE	

	21.880			876	EV	
	22.079			623	VV	
	22.239			1429	VE	
	22.429			31	EB	
	22.706			5761	BV	
	22.886			2058	VV	
	23.137			2566	VV	
	23.240			1965	VV	
	23.440			939	VV	
	23.604			1502	VV	
	23.833			3569	VV	
	24.113			3424	VV	
PCB254	24.389	0.07	10.59	16981	VV	2
PCB260	24.671	-0.43	22.34	10334	VV	3
PCB254	24.985	-0.44	11.03	6959	VV	2
	25.101			5195	VV	
	25.382			1746	VB	
	25.791			5436	BV	
PCB254	26.119	-0.38	8.081	4222	VV	2
PCB254	26.376	-0.56	5.543	5076	VV	2
	26.686			2276	VV	
PCB260	26.835	-0.07	28.91	15895	VE	3
	27.126			2399	EV	
PCB254	27.361	-0.37	6.706	6235	VV	2
PCB260	27.536	1.29	6.093	5437	VB	3
PCB260	27.907	3.52	5.885	4948	BB	3
	28.259			423	BV	
	28.424			223	VB	
	28.731			1054	BB	
	29.134			1430	BV	
PCB260	29.285	2.57	6.966	3340	VV	3
	29.518			2415	VV	
	29.750			5786	VE	
	30.238			548	EV	
	30.366			451	EB	
	30.849			30	BB	
	31.221			10	BB	
	31.612			315	BV	
	31.842			1136	VV	
DBUCLE	32.017	-2.02	0.7051	723	VB	
	32.349			656	BB	
	32.977			12	BB	
	33.623			25	BB	
	33.753			21	BB	
	33.956			20	BB	
	34.073			42	BV	
	34.161			46	VV	
	34.239			34	VB	
	34.474			52	BB	
	34.740			33	BB	

GROUP REPORT

Group	HEIGHT
1	4.468
2	41.95
3	70.20

Data file: DISK:[TAYLORC]4797353024.RAW;1
Report: 1197270232
Acquired: 20-DEC-1997 10:46:47
Time range: 13.50-35.50



00320

Date..... 2-JAN-1998 12:16:20.14 User: TAYLORC
Report number.....1197270233
Raw file.....DISK:[TAYLORC]4797353025.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 11:29:22
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05231 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....159
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
24.66	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.069			959			BV	
	5.213			1107			VV	
	5.445			2886			VB	
	5.806			805			BV	
	5.933			318			VV	
	6.025			127			VB	
	6.437			40			BB	
	6.613			116			BV	

W0321

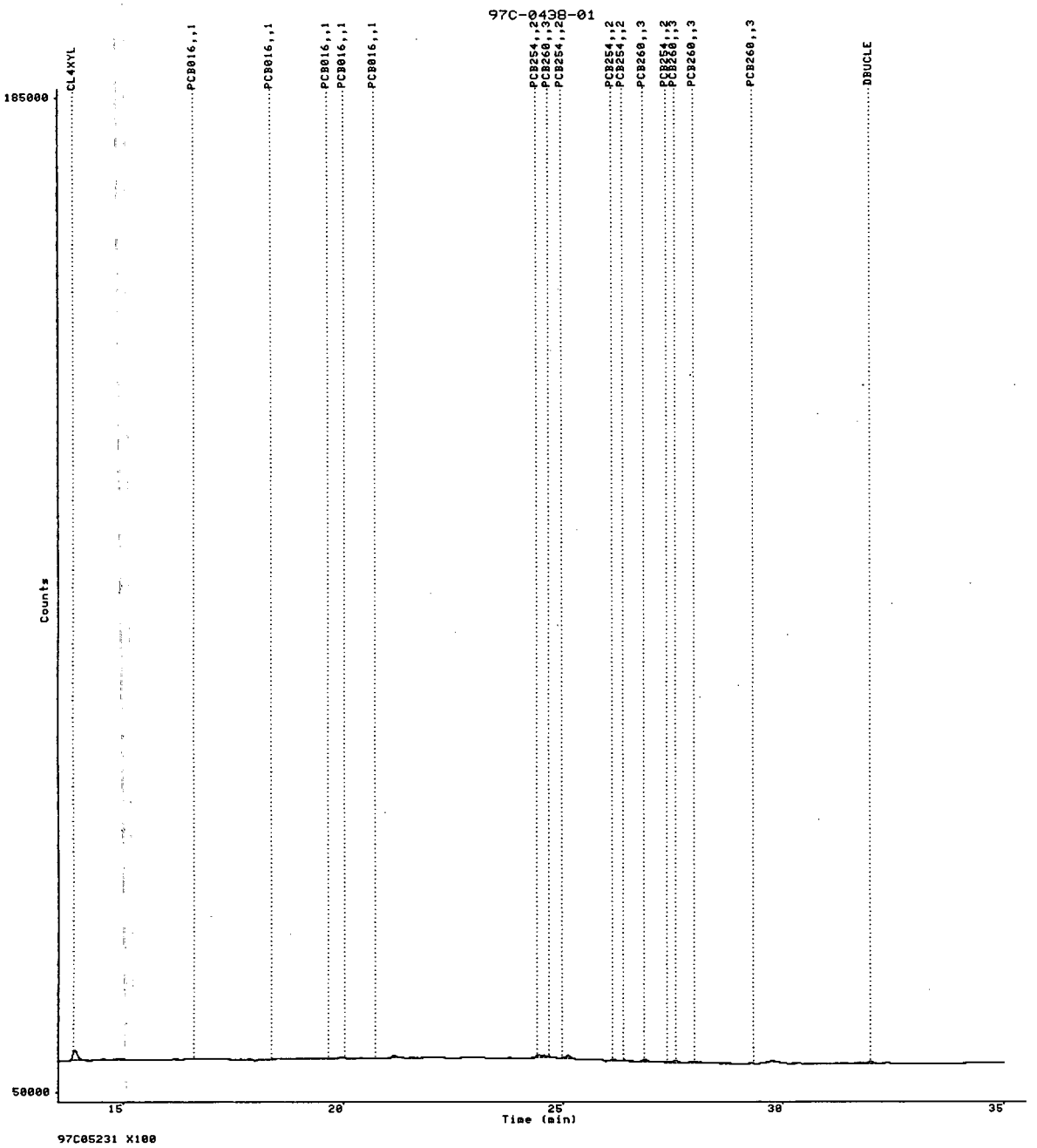
	6.735			102	VB	
	6.901			31	BB	
	7.020			31	BB	
	7.269			30	BV	
	7.366			74	VB	
	7.567			31	BB	
	8.074			103	BB	
	9.538			40	BV	
	9.590			43	VB	
	9.761			797	BB	
	10.179			65	BB	
	10.334			57	BB	
	10.678			20	BB	
	10.887			23	BB	
	11.053			1320	BB	
	11.335			32	BB	
	11.535			83	BV	
	11.677			58	VV	
	11.721			33	VB	
	12.066			53	BV	
	12.185			24	VB	
	12.412			21	BB	
	12.794			11	BB	
	12.895			27	BB	
	13.096			22	BB	
	13.226			19	BB	
	13.472			14	BB	
	13.539			24	BB	
CL4XYL	13.882	-2.63	0.1661	1465	BB	
	14.349			26	BV	
	14.539			123	VV	
	14.719			31	VV	
	14.830			27	VB	
	15.386			12	BB	
	15.472			20	BB	
	15.560			31	BB	
	15.865			23	BB	
	16.171			91	BV	
	16.214			55	VB	
	16.420			20	BB	
PCB016	16.588	0.49	0.01871	20	BV	1
	16.731			21	VB	
	16.950			43	BV	
	17.002			31	VV	
	17.078			15	VB	
	17.677			28	BB	
	18.096			44	BB	
PCB016	18.326	2.37	0.01358	25	BB	1
	18.505			13	BV	
	18.723			7	VB	
	18.864			33	BV	
	19.009			29	VB	
	19.271			24	BB	
	19.358			27	BV	
	19.405			28	VB	
PCB016	19.667	-0.40	0.01714	16	VB	1
	19.932			105	BB	
PCB016	20.132	-5.87	7.390E-03	16	BB	1
	20.404			33	BB	
PCB016	20.669	2.76	0.01445	16	BB	1

	20.970			19	BB	
	21.158			389	BE	
	21.315			49	EB	
	21.539			47	BB	
	21.821			21	BB	
	21.864			25	BV	
	21.921			25	VB	
	22.105			29	VB	
	22.523			5	BB	
	22.717			40	BB	
	23.135			52	BB	
	23.783			21	BB	
	24.119			42	BB	
PCB254	24.445	-3.32	0.2311	379	BV	2
	24.560			269	VB	
PCB254	24.994	-0.98	0.1571	101	BV	2
	25.115			408	VB	
	25.791			35	BB	
PCB254	26.132	-1.17	0.3615	191	BB	2
PCB254	26.378	-0.65	0.02381	22	BB	2
	26.689			24	BV	
PCB260	26.846	-0.75	0.5609	310	VB	3
	27.140			26	BB	
PCB254	27.379	-1.42	0.1421	133	BV	2
PCB260	27.547	0.57	0.2431	218	VB	3
PCB260	27.923	2.56	0.2148	181	BE	3
	28.108			38	EB	
	28.590			29	BV	
	28.656			44	VV	
	28.737			74	VB	
PCB260	29.278	3.02	0.08958	43	BB	3
	29.753			233	BB	
	30.266			28	BV	
	30.341			21	VB	
	30.613			17	BB	
	30.816			24	BB	
	30.905			16	BB	
	31.022			16	BB	
	31.221			20	BB	
	31.346			22	BB	
	31.602			29	BV	
	31.653			25	VV	
	31.715			34	VV	
	31.831			38	VV	
DBUCLE	31.977	0.34	0.2147	220	VB	
	32.315			23	BB	
	32.809			12	BB	
	32.898			14	BB	
	33.264			14	BB	
	33.764			26	BV	
	33.816			16	VB	
	34.086			23	BB	
	34.192			13	BB	
	34.425			31	VV	
	34.548			39	VV	
	34.658			47	VV	
	34.802			21	VB	

GROUP REPORT

Group	HEIGHT
1	7.126E-02
2	0.9156
3	1.108

Data file: DISK:[TAYLORC]4797353025.RAW;1
Report: 1197270233
Acquired: 20-DEC-1997 11:29:22
Time range: 13.50-35.50



00325

Date..... 2-JAN-1998 12:16:24.79 User: TAYLORC
Report number.....1197270234
Raw file.....DISK:[TAYLORC]4797353026.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 12:11:55
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05232 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....137
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.035			402			BV	
	5.213			894			VV	
	5.444			2853			VB	
	5.812			903			BV	
	5.932			556			VV	
	6.028			463			VV	
	6.138			231			VB	
	6.449			69			BB	

00326

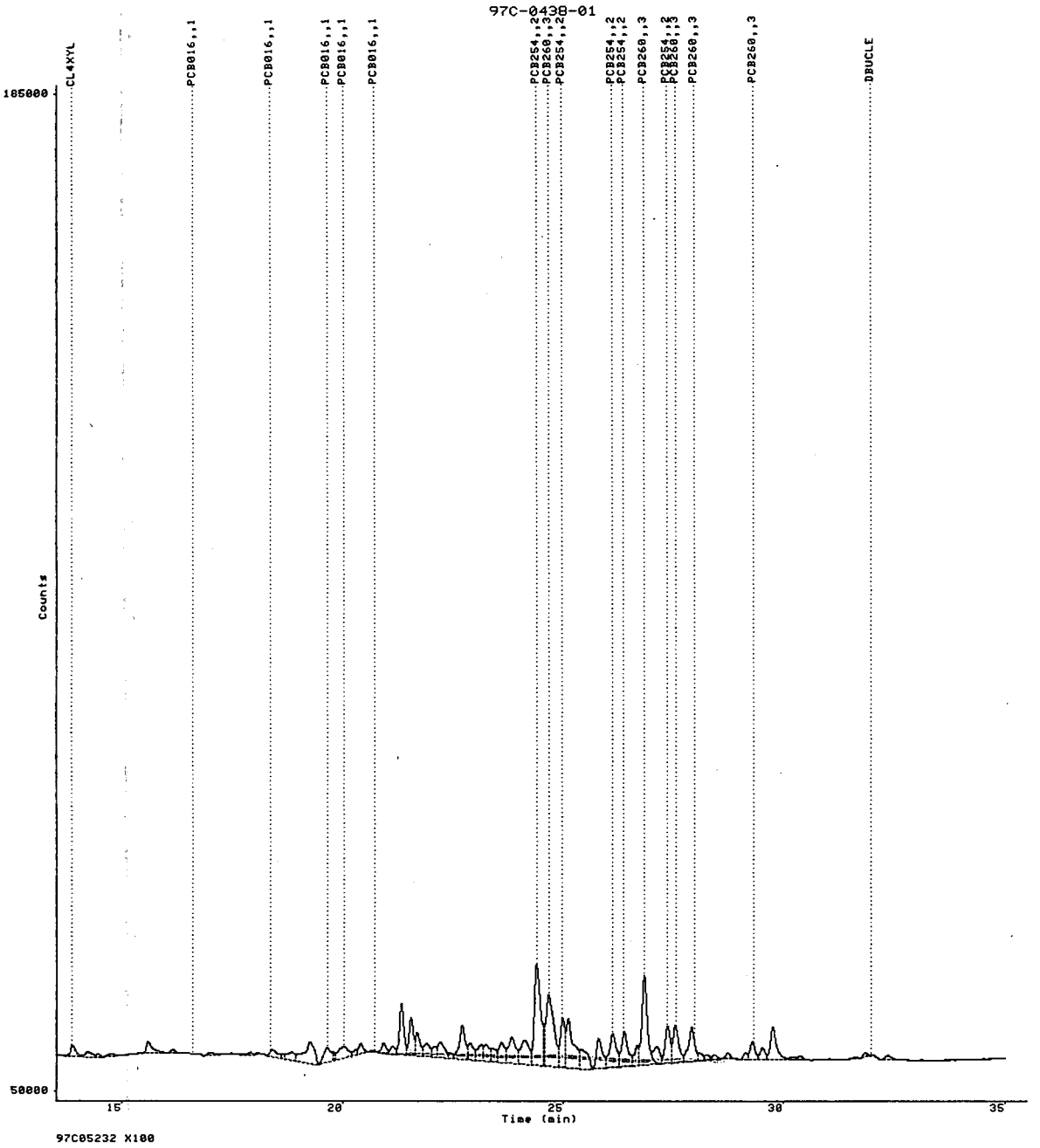
	6.615			117	BB	
	7.068			404	BB	
	7.354			52	BB	
	7.545			159	BB	
	7.701			203	BB	
	7.999			56	BB	
	8.107			57	BB	
	8.255			58	BB	
	8.440			86	BB	
	8.579			26	BB	
	8.688			5	BB	
	8.972			309	BV	
	9.108			399	VV	
	9.178			343	VB	
	9.408			105	BB	
	9.760			644	BB	
	10.052			25	BB	
	10.164			97	BB	
	10.374			69	BB	
	10.607			89	BB	
	11.047			690	BE	
	11.235			139	EB	
	11.512			348	BE	
	11.720			76	EB	
	11.997			159	BV	
	12.257			398	VB	
	12.484			95	BB	
	12.773			40	BB	
	12.908			124	BV	
	13.011			179	VB	
	13.191			181	BB	
	13.352			46	BB	
	13.730			105	BV	
CL4XYL	13.871	-1.99	0.1588	1401	VV	
	14.224			648	VV	
	14.455			410	VB	
	14.777			308	BB	
	14.976			25	BB	
	15.246			36	BB	
	15.410			46	BV	
	15.594			1645	VB	
	16.149			468	BB	
	16.313			41	BV	
	16.699			58	BV	
	16.728			43	VB	
	17.004			413	BV	
	17.269			54	VV	
	17.369			28	VB	
	17.498			114	BB	
	17.666			21	BV	
	17.916			284	VB	
	18.088			129	BB	
PCB016	18.410	-2.63	0.4566	840	BV	1
	18.661			556	VV	
	18.856			1065	VV	
	19.268			2841	VB	
PCB016	19.650	0.62	2.158	2008	BV	1
	19.800			1188	VV	
PCB016	20.035	-0.07	0.7867	1701	VV	
	20.301			749	VV	

	20.414			1512	VE	
PCB016	20.675	2.41	0.04335	48	EB	1
	20.929			1279	BV	
	21.134			935	VV	
	21.331			6835	VV	
	21.549			4994	VV	
	21.691			3058	VV	
	21.902			1701	VV	
	22.080			1311	VV	
	22.209			1990	VV	
	22.438			576	VV	
	22.709			4529	VV	
	22.892			2211	VV	
	23.141			2086	VV	
	23.249			2184	VV	
	23.381			1622	VV	
	23.599			2593	VV	
	23.835			3451	VV	
	24.122			3194	VV	
PCB254	24.399	-0.54	8.400	13533	VV	2
	24.562			5565	VV	
PCB260	24.670	-0.33	20.49	9494	VV	3
PCB254	24.988	-0.60	10.39	6564	VV	2
	25.112			6549	VV	
	25.478			2234	VB	
	25.799			4104	BV	
PCB254	26.123	-0.57	8.773	4579	VV	2
PCB254	26.380	-0.76	5.278	4835	VV	2
	26.685			2777	VV	
PCB260	26.838	-0.22	22.20	12221	VE	3
	27.114			2169	EV	
PCB254	27.364	-0.54	5.497	5117	VV	2
PCB260	27.539	1.08	5.745	5128	VV	3
PCB260	27.910	3.35	5.604	4712	VV	3
	28.086			1207	VV	
	28.260			822	VV	
	28.432			715	VV	
	28.733			901	VB	
	29.133			917	BV	
PCB260	29.289	2.34	5.102	2447	VV	3
	29.520			1529	VV	
	29.754			4389	VE	
	30.228			287	EV	
	30.372			410	EB	
	30.812			72	BV	
	31.025			81	VB	
	31.614			209	BB	
	31.847			613	BE	
DBUCLE	32.003	-1.21	0.03026	31	EB	
	32.355			503	BE	
	32.535			31	EB	
	33.113			24	BB	
	33.302			22	BB	
	33.514			18	BB	
	33.737			14	BB	
	34.099			43	BV	
	34.214			33	VB	
	34.320			20	BB	
	34.524			58	BB	
	34.700			29	BV	

GROUP REPORT

Group	HEIGHT
1	3.444
2	38.34
3	59.14

Data file: DISK:[TAYLORC]4797353026.RAW;1
Report: 1197270234
Acquired: 20-DEC-1997 12:11:55
Time range: 13.50-35.50



00330

Date..... 2-JAN-1998 12:16:29.62 User: TAYLORC
Report number.....1197270235
Raw file.....DISK:[TAYLORC]4797353027.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 12:54:31
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05233 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....149
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		
20.03	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.068			1302			BV	
	5.267			1335			VV	
	5.445			2910			VB	
	5.617			788			BV	
	5.808			1449			VV	
	5.951			1280			VV	
	6.045			1103			VV	

	6.137			995	VV	
	6.240			971	VV	
	6.311			862	VV	
	6.422			713	VV	
	6.625			638	VV	
	6.784			169	VB	
	6.905			74	BB	
	7.052			66	BB	
	7.219			90	BB	
	7.369			137	BB	
	7.763			1508	BV	
	7.921			1158	VV	
	8.098			1134	VV	
	8.255			749	VV	
	8.426			581	VB	
	8.611			108	BB	
	8.995			1283	BV	
	9.111			421	VB	
	9.425			2018	BV	
	9.565			1456	VV	
	9.758			1762	VE	
	9.860			24	EB	
	10.107			558	BB	
	10.430			1756	BV	
	10.601			2376	VB	
	10.931			2191	BV	
	11.032			2323	VV	
	11.240			1680	VV	
	11.519			1080	VB	
	11.711			404	BB	
	12.018			868	BV	
	12.223			1259	VB	
	12.501			465	BB	
	12.908			427	BV	
	13.007			622	VB	
	13.178			944	BV	
	13.329			621	VV	
	13.538			1217	VV	
	13.731			1482	VV	
CL4XYL	13.866	-1.67	0.3115	2748	VB	
	14.252			1455	BV	
	14.485			1267	VV	
	14.749			1269	VV	
	14.983			847	VB	
	15.259			866	BV	
	15.390			738	VV	
	15.587			1372	VV	
	15.810			455	VB	
	16.155			539	BV	
	16.429			728	VV	
	16.715			769	VB	
	17.081			253	BB	
	17.317			158	BV	
	17.462			126	VB	
	17.632			202	BV	
	17.796			193	VV	
	17.899			118	VV	
	18.088			209	VV	
	18.204			66	VB	
PCB016	18.370	-0.27	0.02933	54	BB	1

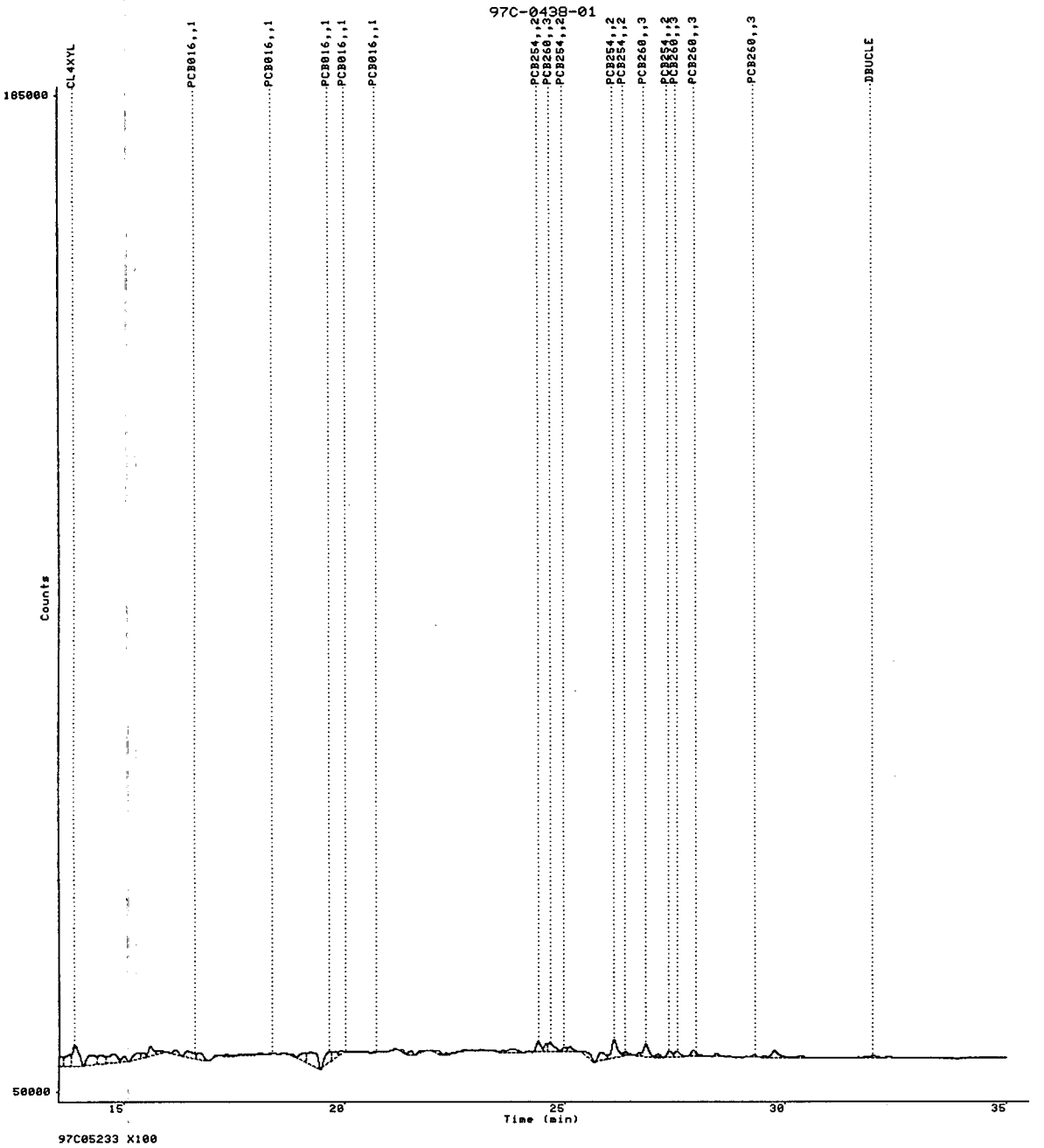
	18.626			48	BB	
	18.801			91	BV	
	19.091			1169	VV	
	19.255			1683	VB	
PCB016	19.673	-0.78	1.533	1428	BV	1
	19.816			844	VV	
	19.929			479	VB	
	20.142			33	BB	
	20.280			30	BV	
	20.381			84	VB	
PCB016	20.804	-5.34	0.1237	137	BB	1
	21.144			73	BB	
	21.304			277	BB	
	21.505			500	BB	
	21.761			297	BV	
	21.845			95	VB	
	22.015			84	BV	
	22.093			282	VB	
	22.301			213	BB	
	22.463			64	BB	
	22.728			232	BE	
	22.882			25	EB	
	23.121			180	BB	
	23.291			21	BB	
	23.592			169	BV	
	23.814			428	VB	
	24.177			222	BV	
PCB254	24.392	-0.10	0.8353	1368	VV	2
	24.574			1159	VV	
PCB260	24.651	0.78	2.498	1178	VV	3
PCB254	24.983	-0.28	0.9612	617	VV	2
	25.112			655	VB	
	25.416			221	BB	
	25.832			1158	BV	
PCB254	26.116	-0.21	4.802	2521	VE	2
PCB254	26.370	-0.15	0.4299	397	EB	2
	26.685			317	BV	
PCB260	26.835	-0.06	2.849	1574	VE	3
	27.108			375	EB	
PCB254	27.367	-0.74	0.9174	858	BV	2
PCB260	27.534	1.37	0.9385	841	VV	3
PCB260	27.914	3.14	1.042	878	VE	3
	28.068			100	EB	
	28.443			389	BB	
	28.725			108	BB	
	28.944			19	BB	
	29.122			45	BB	
PCB260	29.284	2.66	0.5542	266	BB	3
	29.523			194	BV	
	29.750			909	VV	
	30.209			115	VV	
	30.361			351	VB	
	30.583			24	BB	
	30.982			30	BB	
	31.172			16	BB	
	31.409			26	BB	
	31.630			31	BB	
	31.824			129	BV	
DBUCLE	31.991	-0.47	0.2654	272	VB	
	32.340			43	BB	

32.621	19	BB
32.727	22	BB
33.218	11	VB
33.699	20	VB
34.018	29	BV
34.114	12	VB
34.388	27	BV
34.451	27	VB
34.825	29	VV
34.887	21	VB

GROUP REPORT

Group	HEIGHT
1	1.686
2	7.946
3	7.882

Data file: DISK:[TAYLORC]4797353027.RAW;1
Report: 1197270235
Acquired: 20-DEC-1997 12:54:31
Time range: 13.50-35.50



00335

Date..... 2-JAN-1998 12:16:34.30 User: TAYLORC
Report number.....1197270236
Raw file.....DISK:[TAYLORC]4797353028.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 13:37:04
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05234 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....126
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.072			507		BB	
	5.213			564		BB	
	5.476			217		BB	
	5.715			37		BB	
	6.143			79		BV	
	6.321			58		VB	
	6.594			62		BB	
	6.922			36		BB	
	7.051			114		BB	
	7.692			44		BB	
	8.106			55		BB	
	8.438			34		BB	
	8.577			34		BV	
	8.698			69		VV	
	8.793			68		VB	

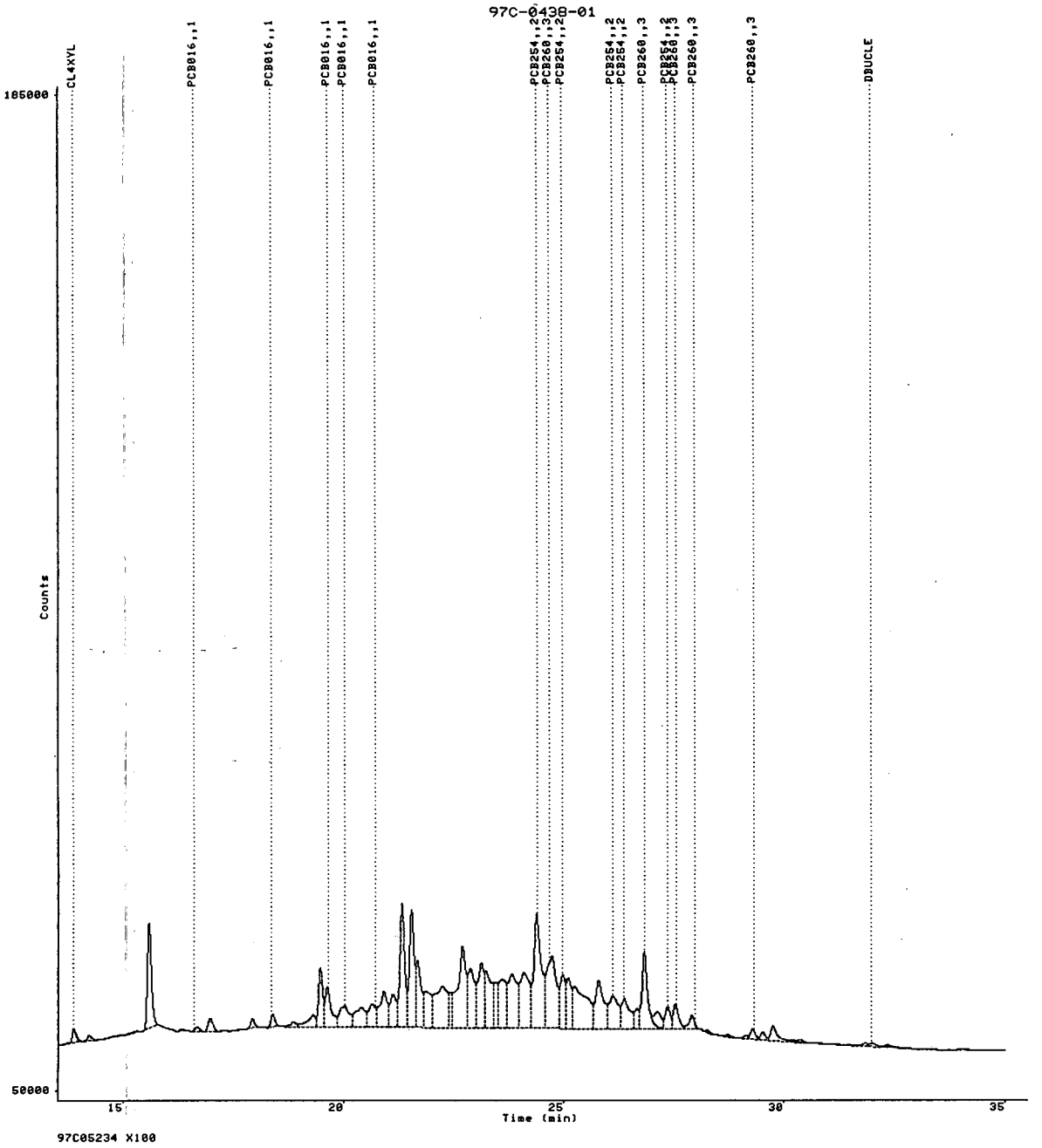
	8.896			32	BB	
	9.012			30	BV	
	9.109			267	VB	
	9.373			136	BV	
	9.508			64	VB	
	9.767			153	BB	
	9.954			44	BV	
	10.071			78	VV	
	10.159			73	VB	
	10.297			31	BB	
	10.406			15	BB	
	10.683			10	BB	
	10.981			156	BV	
	11.230			256	VB	
	11.511			423	BV	
	11.704			122	VV	
	11.800			86	VB	
	11.931			83	BV	
	12.022			113	VB	
	12.178			137	BV	
	12.533			17	VB	
	12.725			35	BB	
	12.922			46	BB	
	13.190			41	BB	
	13.361			59	BB	
	13.496			91	BB	
	13.724			198	BV	
CL4XYL	13.867	-1.72	0.2003	1767	VB	
	14.215			802	BB	
	14.492			50	BB	
	14.777			83	BB	
	14.995			53	BB	
	15.232			158	BB	
	15.577			14236	BB	
	16.321			214	BB	
PCB016	16.679	-4.98	0.5581	596	BB	1
	16.975			1822	BB	
	17.264			125	BB	
	17.493			37	BB	
	17.648			60	BB	
	17.936			1333	BB	
	18.201			33	BB	
PCB016	18.397	-1.86	0.9491	1744	BB	1
	18.864			621	BV	
	19.318			1589	VV	
	19.479			8014	VV	
PCB016	19.637	1.36	5.981	5533	VV	1
PCB016	20.024	0.62	1.258	2718	VV	1
	20.405			2603	VV	
PCB016	20.646	4.13	2.832	3121	VV	1
	20.921			4856	VV	
	21.126			4449	VV	
	21.327			16668	VV	
	21.546			15905	VV	
	21.677			8976	VV	
	21.874			4858	VV	
	22.246			5619	VV	
	22.445			4772	VV	
	22.703			10988	VV	
	22.883			7965	VV	

	23.135			8715	VV	
	23.235			7671	VV	
	23.450			6137	VV	
	23.602			6597	VV	
	23.826			7244	VV	
	24.099			7436	VV	
PCB254	24.384	0.33	9.524	15307	VV	2
PCB260	24.732	-4.09	20.74	9608	VV	3
PCB254	24.978	-0.02	11.49	7242	VV	2
	25.102			6754	VV	
	25.239			5671	VV	
	25.790			6446	VV	
PCB254	26.117	-0.24	8.348	4360	VV	2
PCB254	26.369	-0.12	4.357	3998	VV	2
	26.668			2644	VV	
PCB260	26.831	0.16	18.70	10303	VE	3
	27.120			2039	EV	
PCB254	27.355	0.02	3.154	2943	VV	2
PCB260	27.531	1.53	3.691	3300	VV	3
PCB260	27.903	3.80	2.192	1846	VB	3
	28.246			213	BB	
	28.619			31	BV	
	28.717			214	VB	
	29.128			427	BV	
PCB260	29.284	2.62	2.759	1324	VV	3
	29.512			980	VV	
	29.748			1897	VE	
	30.196			173	EV	
	30.358			373	EB	
	30.835			7	BB	
	31.231			23	BB	
	31.599			127	BV	
	31.839			398	VV	
DBUCLE	31.986	-0.16	0.4068	417	VV	
	32.339			268	VB	
	33.613			26	BB	
	33.860			16	BB	
	33.946			31	BV	
	34.010			23	VB	
	34.170			19	BB	

GROUP REPORT

Group	HEIGHT
1	11.58
2	36.87
3	48.09

Data file: DISK:[TAYLORC]4797353028.RAW;1
Report: 1197270236
Acquired: 20-DEC-1997 13:37:04
Time range: 13.50-35.50



00339

Date..... 2-JAN-1998 12:16:44.65 User: TAYLORC
Report number.....1197270238
Raw file.....DISK:[TAYLORC]4797353030.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 15:02:18
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05235 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....150
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.043			4436		BV	
	5.296			1816		VV	
	5.390			2409		VV	
	5.445			2987		VB	
	5.657			1900		BV	
	5.807			1761		VV	
	5.920			1924		VV	
	6.020			1828		VV	
	6.080			1958		VV	
	6.256			1279		VV	
	6.360			1212		VV	
	6.429			1158		VV	
	6.607			1548		VV	
	6.734			840		VV	
	6.823			654		VV	

00340

	7.119			1068	VE	
	7.246			195	EB	
	7.541			188	BB	
	7.688			233	BB	
	7.960			23	BB	
	8.065			216	BB	
	8.190			82	BB	
	8.464			58	BB	
	8.560			25	BV	
	8.652			77	VB	
	8.925			59	BV	
	8.968			41	VB	
	9.090			20	BB	
	9.204			110	BB	
	9.414			155	BV	
	9.540			90	VV	
	9.597			82	VB	
	9.760			417	BE	
	9.965			48	EV	
	10.030			92	EV	
	10.174			106	VB	
	10.347			28	BV	
	10.422			45	VB	
	10.862			112	BV	
	11.048			275	VV	
	11.260			85	VB	
	11.518			72	BB	
	11.661			24	BV	
	11.713			30	VB	
	11.830			28	BB	
	12.002			26	BB	
	12.272			419	BB	
	12.442			27	BV	
	12.558			19	VB	
	12.754			35	BB	
	12.911			75	BV	
	13.019			78	VB	
	13.196			59	BB	
	13.357			24	BB	
	13.725			48	BV	
CL4XYL	13.876	-2.29	0.2189	1931	VB	
	14.237			77	BV	
	14.356			59	VV	
	14.506			107	VB	
	14.768			130	BV	
	14.972			71	VB	
	15.220			54	BV	
	15.318			57	VB	
	15.628			94	BV	
	15.835			30	VB	
	16.156			874	BE	
	16.429			82	EB	
PCB016	16.684	-5.27	0.05521	59	BV	1
	16.788			120	VV	
	16.992			322	VB	
	17.618			20	BB	
	18.067			70	BB	
PCB016	18.414	-2.87	0.2521	464	BE	1
	18.657			38	EB	
	18.868			221	BV	

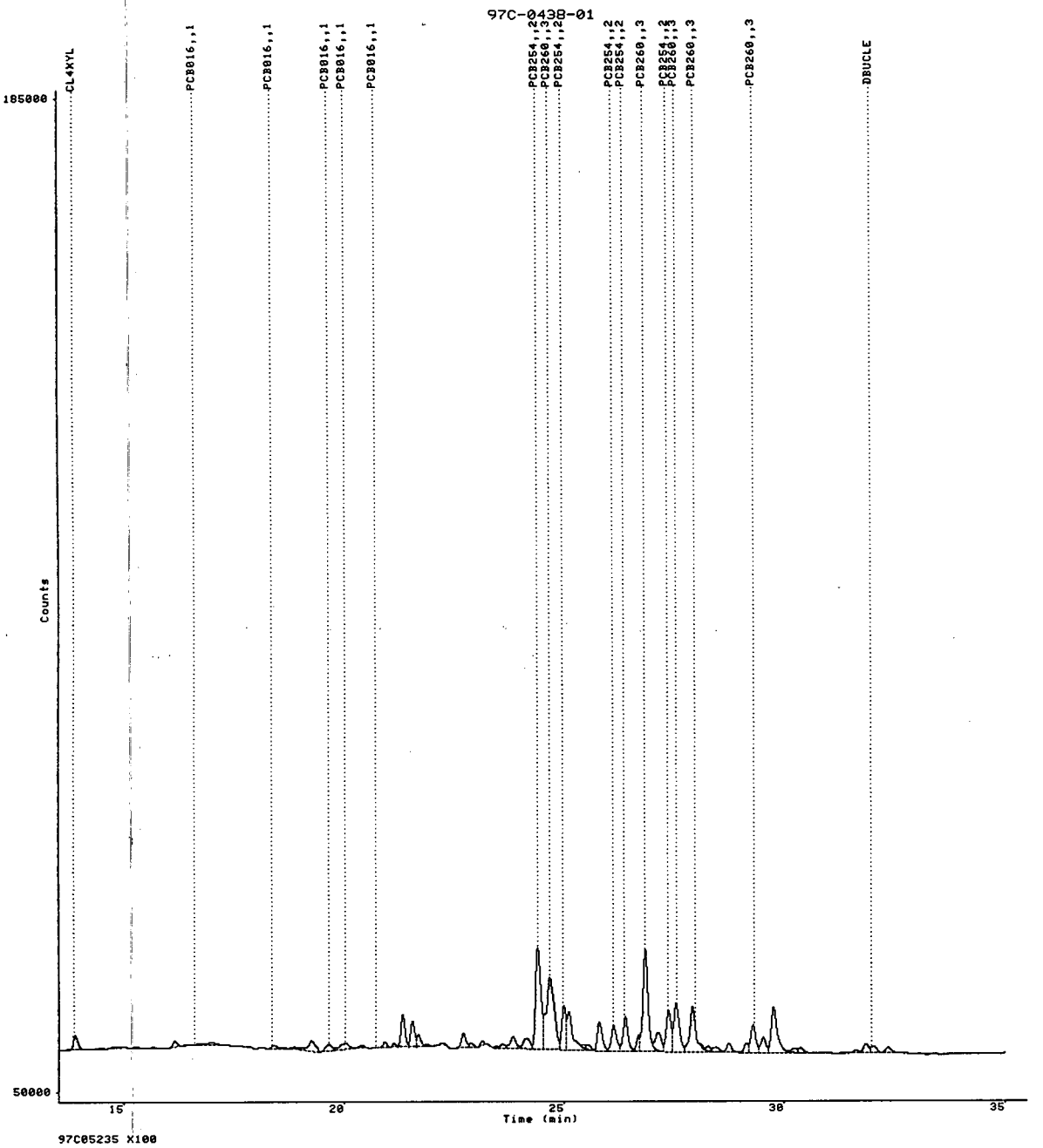
	19.007			206	VV	
	19.059			260	VV	
	19.258			1401	VB	
PCB016	19.652	0.50	1.015	946	BV	1
PCB016	20.041	-0.41	0.4146	897	VV	1
	20.410			414	VB	
PCB016	20.689	1.58	0.02890	32	BB	1
	20.929			777	BB	
	21.139			579	BV	
	21.335			4372	VV	
	21.553			3496	VV	
	21.693			1663	VE	
	21.879			298	EB	
	22.090			64	BB	
	22.207			79	BB	
	22.270			108	BB	
	22.713			2030	BV	
	22.886			659	VB	
	23.142			622	BB	
	23.441			78	BV	
	23.605			504	VV	
	23.840			1558	VV	
	24.148			1366	VV	
PCB254	24.398	-0.49	8.563	13792	VV	2
PCB260	24.675	-0.64	21.00	9725	VV	3
PCB254	24.993	-0.90	9.458	5983	VV	2
	25.105			5132	VE	
	25.403			331	EV	
	25.543			660	EB	
	25.796			3876	BV	
PCB254	26.126	-0.76	6.277	3288	VV	2
PCB254	26.384	-1.05	5.020	4601	VV	2
	26.699			2187	VV	
PCB260	26.842	-0.48	25.06	13790	VE	3
	27.133			2434	EV	
PCB254	27.372	-1.01	5.942	5529	VV	2
PCB260	27.540	1.03	7.222	6438	VV	3
PCB260	27.915	3.08	7.205	6054	VE	3
	28.265			654	EV	
	28.435			636	EV	
	28.740			1211	VB	
	29.145			1289	BV	
PCB260	29.290	2.27	7.739	3710	VV	3
	29.523			2079	VV	
	29.759			6143	VE	
	30.234			499	EV	
	30.368			625	EV	
	30.587			26	VB	
	30.860			32	BB	
	31.201			24	BB	
	31.264			30	BV	
	31.346			56	VV	
	31.433			67	VV	
	31.620			440	VV	
	31.850			1282	VV	
DBUCLE	32.025	-2.49	0.8892	912	VV	
	32.353			705	VB	
	33.238			22	BB	
	33.420			33	BB	
	33.621			31	BB	

34.075	37	BV
34.146	39	VV
34.212	35	VB
34.513	18	BB
34.742	14	BB

GROUP REPORT

Group	HEIGHT
1	1.766
2	35.26
3	68.23

Data file: DISK:[TAYLORC]4797353030.RAW;1
Report: 1197270238
Acquired: 20-DEC-1997 15:02:18
Time range: 13.50-35.50



Date..... 2-JAN-1998 12:16:49.34 User: TAYLORC
Report number.....1197270239
Raw file.....DISK:[TAYLORC]4797353031.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 15:44:56
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05236 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....153
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
26.37	PCB254	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.036			895			BV	
	5.210			1087			VV	
	5.445			2922			VB	
	5.716			774			BV	
	5.941			294			VB	
	6.135			75			BB	
	6.240			62			BB	
	6.429			144			BB	

0345

	6.614			383	BB	
	6.884			32	BB	
	7.047			53	BV	
	7.119			123	VB	
	7.228			53	BB	
	7.365			83	BB	
	7.528			221	BB	
	7.761			1044	BV	
	7.916			801	VV	
	8.094			822	VV	
	8.255			554	VV	
	8.423			416	VB	
	8.655			52	BB	
	8.996			1937	BV	
	9.114			2032	VV	
	9.196			2110	VB	
	9.421			1613	BV	
	9.520			1190	VV	
	9.615			976	VV	
	9.760			1784	VB	
	10.131			618	BB	
	10.435			1425	BV	
	10.612			2035	VB	
	10.938			1575	BV	
	11.030			1327	VV	
	11.246			668	VB	
	11.521			759	BV	
	11.714			635	VB	
	12.050			707	BV	
	12.227			1028	VB	
	12.507			617	BV	
	12.634			212	VB	
	12.915			333	BV	
	13.013			505	VV	
	13.182			761	VV	
	13.332			504	VV	
	13.541			959	VV	
	13.729			1206	VV	
CL4XYL	13.870	-1.93	0.2700	2382	VB	
	14.255			268	BB	
	14.445			148	BV	
	14.751			590	VB	
	14.988			557	BB	
	15.323			350	BV	
	15.390			137	VB	
	15.564			90	BB	
	15.858			67	BB	
	16.175			259	BB	
	16.430			430	BB	
PCB016	16.637	-2.44	0.07487	80	BV	1
	16.733			407	VB	
	17.087			287	BV	
	17.178			80	VB	
	17.308			33	BB	
	17.475			100	BB	
	17.649			104	BV	
	17.813			78	VB	
	18.109			330	BV	
	18.225			276	VV	
PCB016	18.428	-3.74	0.2315	426	VV	1

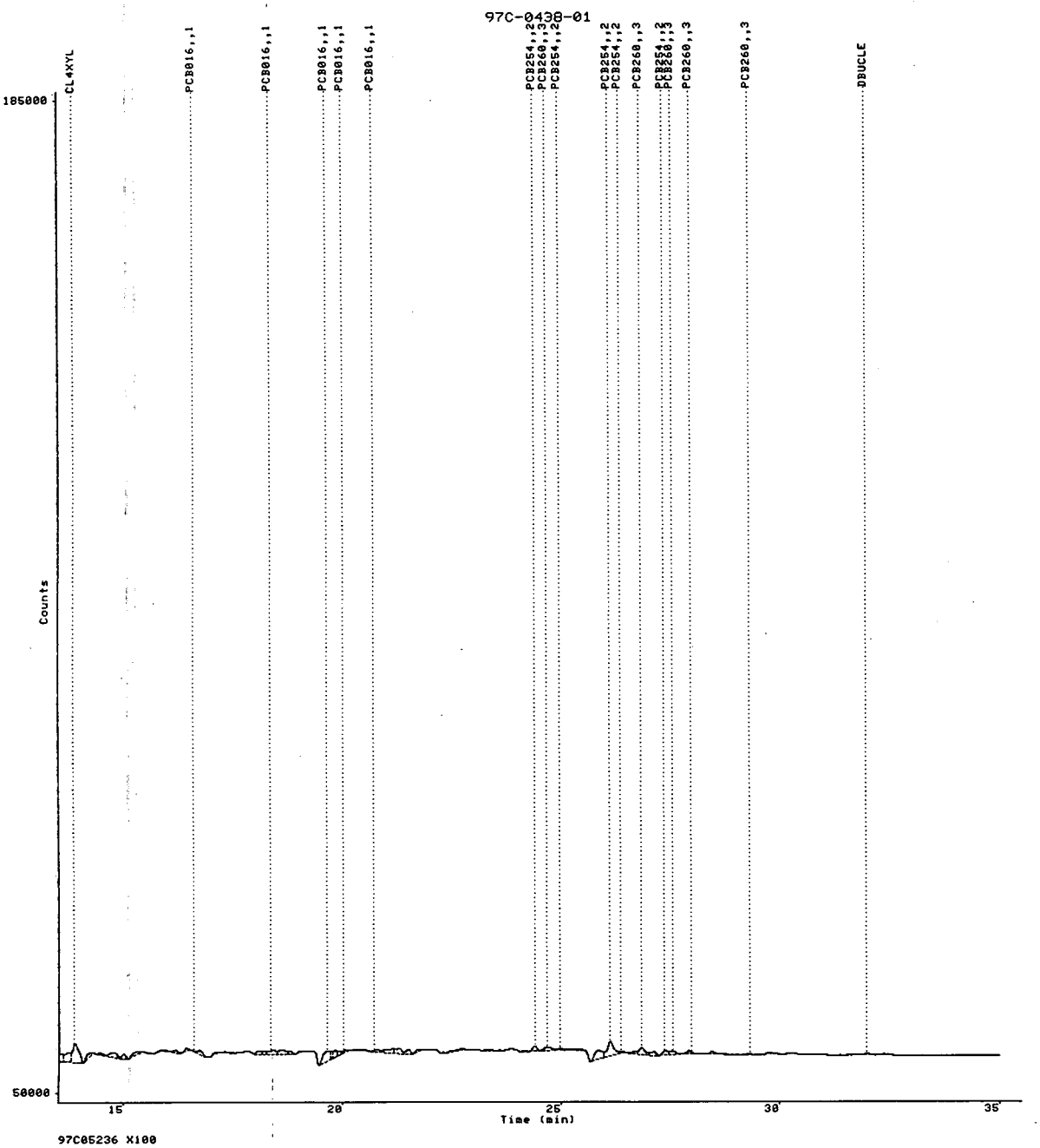
	18.628			489	VV	
	18.784			332	VB	
	19.041			177	BB	
	19.225			18	BB	
PCB016	19.609	3.05	1.421	1324	BV	1
	19.774			1089	VV	
	19.831			944	VV	
	19.944			612	VV	
PCB016	20.068	-2.02	0.1294	280	VB	1
	20.499			27	BB	
PCB016	20.806	-5.43	0.1725	191	BV	1
	21.055			328	VV	
	21.307			566	VV	
	21.509			501	VB	
	21.743			201	BB	
	22.019			23	BE	
	22.308			143	BB	
	22.517			109	BV	
	22.723			239	VB	
	23.079			47	BB	
	23.317			153	BV	
	23.386			154	VB	
	23.590			89	BB	
	23.838			55	BB	
	24.166			102	BB	
PCB254	24.392	-0.13	0.4490	736	BV	2
PCB260	24.684	-1.21	1.080	510	VV	3
PCB254	24.982	-0.25	0.4436	285	VV	2
	25.112			140	VB	
	25.350			31	BV	
	25.432			54	VB	
	25.851			1219	BV	
PCB254	26.122	-0.53	3.770	1982	VE	2
	26.260			21	EB	
	26.568			71	BV	
	26.714			303	VV	
PCB260	26.838	-0.24	1.560	862	VV	3
	27.107			437	VB	
PCB254	27.382	-1.60	0.6435	602	BV	2
PCB260	27.535	1.31	0.5891	528	VV	3
PCB260	27.915	3.07	0.4735	399	VB	3
	28.444			272	BB	
	28.750			19	BB	
	28.936			20	BB	
	29.123			26	BB	
PCB260	29.287	2.46	0.3104	149	BB	3
	29.529			41	BB	
	29.756			269	BB	
	29.973			12	BB	
	30.230			58	BV	
	30.297			28	VB	
	30.607			27	BB	
	31.240			25	BB	
	31.350			25	BV	
	31.405			12	VB	
	31.529			13	BV	
	31.608			44	VV	
	31.745			29	VV	
	31.852			59	VV	
DBUCLE	31.987	-0.25	0.1766	181	VB	

32.329	79	BB
32.992	20	BV
33.087	26	VV
33.172	38	VB
33.292	14	BB
33.466	23	BB
33.660	21	BB
33.973	24	BB
34.038	22	BB
34.497	37	BV
34.527	30	VB
34.735	25	BB

GROUP REPORT

Group	HEIGHT
1	2.029
2	5.306 $\times \frac{5}{4} = 6.6325$
3	4.013

Data file: DISK:[TAYLORC]4797353031.RAW;1
Report: 1197270239
Acquired: 20-DEC-1997 15:44:56
Time range: 13.50-35.50



00349

Date..... 2-JAN-1998 12:16:54.00 User: TAYLORC
Report number.....1197270240
Raw file.....DISK:[TAYLORC]4797353032.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 16:27:33
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05237 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....149
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.036			741		BB	
	5.212			123		BB	
	5.444			2326		BB	
	5.814			1331		BV	
	5.926			1114		VV	
	6.064			1106		VV	
	6.259			518		VV	
	6.370			314		VV	
	6.431			228		VB	
	6.611			199		BB	
	7.062			56		BB	
	7.233			20		BB	
	7.552			86		BB	
	7.679			117		BV	
	7.777			58		VB	

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	7.950			23	BB	
	8.068			41	BB	
	8.426			69	BB	
	8.615			40	BB	
	8.794			39	BB	
	8.959			75	BV	
	9.105			36	VB	
	9.371			75	BV	
	9.412			59	VB	
	9.560			71	BB	
	9.762			883	BE	
	10.019			29	EB	
	10.384			80	BB	
	10.866			37	BB	
	11.044			79	BB	
	11.249			38	BB	
	11.515			147	BE	
	11.665			23	EB	
	11.960			34	BV	
	12.032			50	VB	
	12.272			250	BB	
	12.515			77	BB	
	12.784			29	BB	
	12.898			26	BB	
	13.022			40	BB	
	13.208			53	BV	
	13.372			19	VV	
	13.436			27	VB	
	13.579			22	VB	
	13.707			32	BV	
	13.749			57	VV	
CL4XYL	13.877	-2.36	0.1566	1382	VB	
	14.188			21	BB	
	14.318			21	BB	
	14.482			61	BB	
	14.782			40	BB	
	14.979			20	BB	
	15.214			53	BV	
	15.328			21	VB	
	15.445			33	BB	
	15.576			45	BB	
	15.850			38	BB	
	16.159			452	BE	
	16.428			54	BB	
PCB016	16.547	2.91	0.01684	18	BB	1
	16.701			15	BB	
	17.005			264	BE	
	17.282			31	BB	
	17.472			62	BV	
	17.512			45	VV	
	17.630			38	VV	
	17.679			21	VB	
	17.850			24	BV	
	17.916			35	VB	
	18.083			236	BV	
	18.219			170	VV	
PCB016	18.419	-3.20	0.3701	681	VV	1
	18.638			388	VV	
	18.682			391	VV	
	18.733			408	VV	

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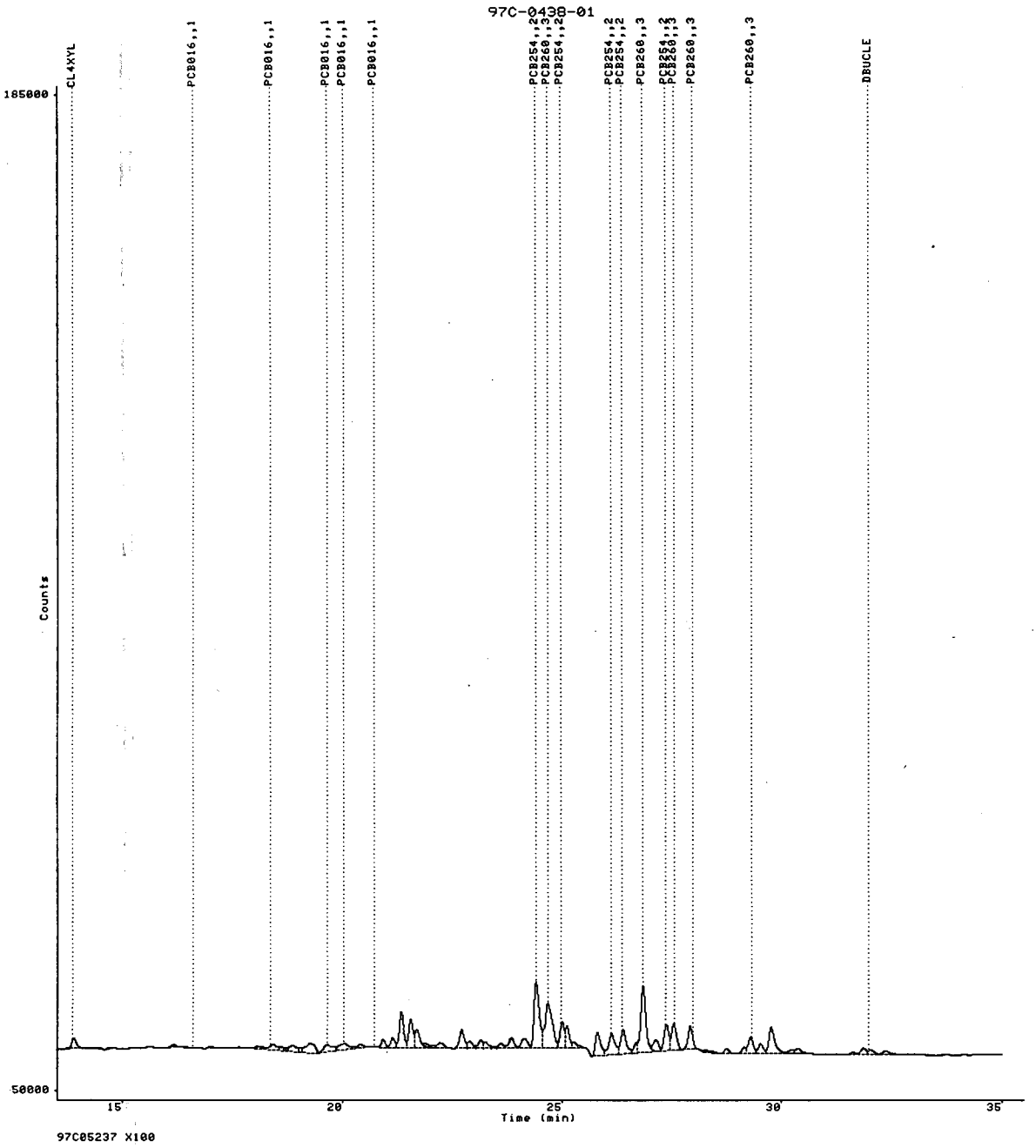
	18.873			766	VV	
	19.070			552	VV	
	19.275			1203	VB	
PCB016	19.659	0.09	1.144	1066	BV	1
PCB016	20.045	-0.67	0.4257	921	VV	1
	20.415			567	VE	
PCB016	20.674	2.46	0.02348	26	EB	1
	20.932			987	BV	
	21.146			1254	VV	
	21.337			4836	VV	
	21.557			3826	VV	
	21.694			2441	VE	
	21.887			393	EV	
	22.085			330	VV	
	22.231			649	VB	
	22.714			2566	BV	
	22.894			976	VV	
	23.143			1104	VV	
	23.246			839	VV	
	23.456			291	VV	
	23.606			617	VV	
	23.844			1379	VV	
	24.136			1290	VV	
PCB254	24.399	-0.55	5.548	8995	VV	2
PCB260	24.677	-0.80	12.59	5878	VV	3
PCB254	24.996	-1.08	5.595	3563	VV	2
	25.110			2928	VV	
	25.262			748	VB	
	25.802			3181	BV	
PCB254	26.129	-0.96	5.388	2826	VV	2
PCB254	26.386	-1.15	3.571	3281	VV	2
	26.694			1528	VV	
PCB260	26.843	-0.55	16.15	8898	VE	3
	27.133			1490	EV	
PCB254	27.376	-1.29	3.806	3549	VV	2
PCB260	27.542	0.90	4.004	3579	VB	3
PCB260	27.916	2.97	3.628	3053	BB	3
	28.267			237	BV	
	28.434			137	VB	
	28.741			674	BB	
	29.147			862	BV	
PCB260	29.291	2.19	4.557	2186	VV	3
	29.525			1272	VV	
	29.762			3506	VE	
	30.244			398	EV	
	30.372			583	EB	
	30.859			13	BB	
	31.185			32	BV	
	31.269			27	VV	
	31.350			36	VB	
	31.625			216	BV	
	31.853			777	VV	
DBUCLE	32.019	-2.18	0.5268	540	VB	
	32.363			412	BB	
	33.677			33	BV	
	33.780			26	VB	
	33.918			25	BB	
	34.139			26	BB	
	34.500			42	BV	
	34.548			37	VB	

34.781	17	BV
34.863	9	VB

GROUP REPORT

Group	HEIGHT
1	1.980
2	23.91
3	40.92

Data file: DISK:[TAYLORC]4797353032.RAW;1
Report: 1197270240
Acquired: 20-DEC-1997 16:27:33
Time range: 13.50-35.50



00354

Date..... 2-JAN-1998 12:16:59.56 User: TAYLORC
Report number.....1197270241
Raw file.....DISK:[TAYLORC]4797353033.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 17:10:10
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05238 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....175
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.074			1042		BV	
	5.215			1006		VV	
	5.445			3413		VB	
	5.803			794		BE	
	5.840			19		EB	
	6.032			234		BB	
	6.356			35		BV	
	6.431			54		VB	
	6.609			28		BB	
	7.340			26		BB	
	7.582			42		BB	
	8.086			84		BB	
	8.296			20		BB	
	8.620			25		BV	
	8.657			35		VV	

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	8.698			27	VB	
	9.519			23	BB	
	9.760			1192	BB	
	10.183			25	BB	
	10.310			23	BV	
	10.467			31	BB	
	10.672			31	BB	
	11.035			53	BB	
	11.218			29	BV	
	11.285			48	VV	
	11.384			35	VB	
	11.509			32	BB	
	11.643			24	BB	
	11.849			35	BB	
	12.043			45	BB	
	12.181			31	BV	
	12.222			21	VB	
	12.567			16	BB	
	12.701			30	BV	
	12.854			38	VV	
	12.935			51	VB	
	13.091			53	BB	
	13.168			8	BB	
	13.249			18	BB	
	13.368			28	BB	
	13.608			21	BB	
CL4XYL	13.881	-2.60	0.1759	1552	BB	
	14.196			29	BB	
	14.539			32	BB	
	14.836			11	BB	
	14.991			17	BB	
	15.255			14	BB	
	15.433			25	BB	
	15.598			171	BB	
	16.102			25	BE	
	16.207			12	BV	
	16.279			26	VV	
PCB016	16.605	-0.55	0.03743	40	BV	1
	16.704			29	VV	
	16.760			16	VB	
	16.893			23	BV	
	16.933			39	VB	
	17.516			22	BB	
	17.635			35	BV	
	17.726			34	VB	
	18.113			32	BB	
PCB016	18.336	1.78	0.01303	24	BV	1
	18.400			35	VV	
	18.444			37	VB	
	18.559			18	BV	
	18.641			29	VV	
	18.726			37	VB	
	18.910			22	BB	
	19.474			26	BB	
PCB016	19.675	-0.89	0.04070	38	BB	1
	19.812			22	BB	
	19.911			21	BB	
PCB016	20.089	-3.27	0.01293	28	BB	1
	20.336			23	BV	
	20.438			12	VV	

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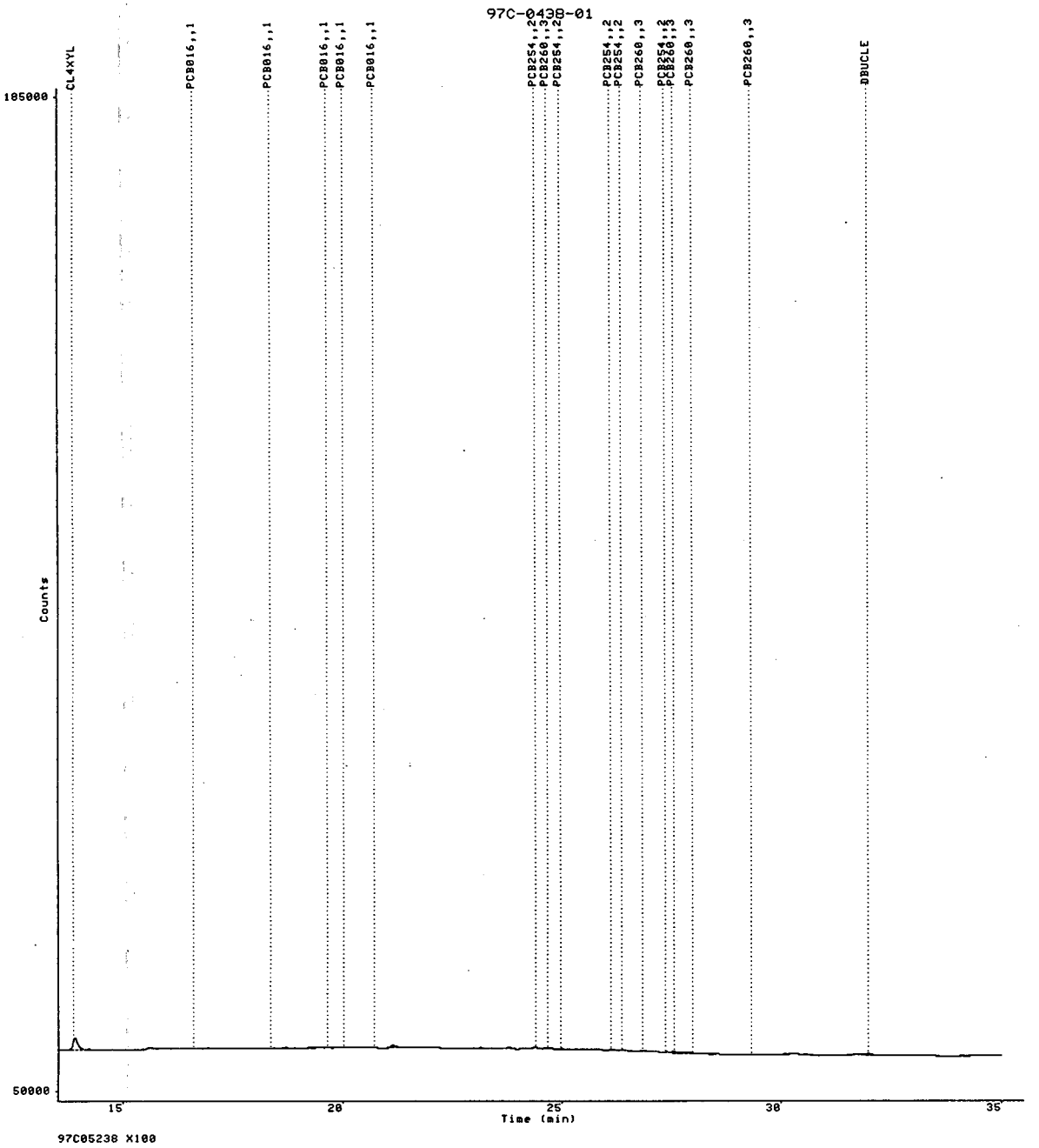
	20.545			42	VV	
PCB016	20.667	2.89	0.06592	73	VB	1
	21.157			295	BB	
	21.518			33	BV	
	21.550			32	VB	
	21.683			23	BB	
	21.877			27	BV	
	21.925			12	VB	
	22.059			17	BB	
	22.713			27	BB	
	23.110			52	BV	
	23.751			47	BV	
	23.805			31	VB	
	24.064			27	BB	
PCB254	24.379	0.66	0.03962	65	BB	2
PCB260	24.679	-0.90	0.2158	102	BB	3
PCB254	24.940	2.30	0.04355	28	BB	2
	25.284			11	BV	
	25.601			35	BB	
	25.814			48	BB	
PCB254	26.133	-1.21	0.1835	97	BB	2
PCB254	26.381	-0.84	0.1115	103	BB	2
	26.707			22	BV	
PCB260	26.848	-0.82	0.3221	178	VB	3
PCB254	27.401	-2.74	0.02457	23	BB	2
PCB260	27.537	1.23	0.07583	68	BB	3
	27.764			53	BV	
PCB260	27.905	3.67	0.1329	112	VB	3
	28.462			34	BB	
	28.686			23	BB	
	28.867			21	BV	
	28.952			22	VB	
	29.136			16	BB	
PCB260	29.273	3.29	0.03333	16	BB	3
	29.489			30	BB	
	29.766			24	BB	
	30.010			12	BB	
	30.174			28	BV	
	30.296			23	VB	
	30.527			26	VB	
	31.107			25	VB	
	31.175			15	BB	
	31.282			32	VV	
	31.352			30	VV	
	31.397			23	VB	
	31.561			21	BV	
	31.650			15	VB	
DBUCLE	31.976	0.42	0.1640	168	BB	
	32.305			40	BV	
	32.385			32	VB	
	32.591			9	BB	
	33.223			6	BB	
	33.338			24	BB	
	33.568			17	BV	
	33.672			22	VB	
	34.017			35	BV	
	34.150			25	VB	
	34.381			27	BB	
	34.496			18	BB	
	34.797			26	BB	

GROUP REPORT

Group	HEIGHT
1	0.1700
2	0.4028
3	0.7799

Data file: DISK:[TAYLORC]4797353033.RAW;1
Report: 1197270241
Acquired: 20-DEC-1997 17:10:10
Time range: 13.50-35.50



60359

Date..... 2-JAN-1998 12:17:04.24 User: TAYLORC
Report number.....1197270242
Raw file.....DISK:[TAYLORC]4797353034.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 17:52:47
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05239 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....175
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
20.72	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.211			541			BV	
	5.444			2960			VB	
	5.816			623			BE	
	5.938			42			EB	
	6.048			849			BB	
	6.442			40			BB	
	6.605			32			BB	
	6.735			75			BB	

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	6.921			24	BB	
	7.253			18	BB	
	7.563			41	BB	
	8.085			103	BB	
	8.593			16	BB	
	9.761			2370	BB	
	10.182			95	BB	
	10.324			26	BB	
	10.667			27	BB	
	10.869			34	BV	
	10.946			26	VB	
	11.062			49	BB	
	11.261			26	BB	
	11.493			36	BB	
	11.672			45	BV	
	11.716			33	VB	
	11.826			36	BV	
	11.870			34	VB	
	12.201			55	BV	
	12.233			68	VB	
	12.423			41	BB	
	12.560			25	BB	
	12.901			15	BB	
	13.112			24	BB	
	13.252			23	BV	
	13.292			19	VB	
	13.441			25	BB	
	13.576			39	BV	
	13.671			18	VB	
CL4XYL	13.885	-2.80	0.1140	1006	BB	
	14.320			26	BV	
	14.375			28	VV	
	14.549			62	VB	
	14.844			28	BV	
	14.900			17	VB	
	15.026			9	BB	
	15.179			18	BB	
	15.418			25	BV	
	15.576			26	VB	
	16.064			34	VV	
	16.241			45	VV	
	16.339			50	VB	
PCB016	16.514	4.91	0.01778	19	BB	1
	17.088			27	BV	
	17.131			20	VB	
	17.261			26	BB	
	17.370			12	BB	
	17.417			21	BB	
	17.579			18	BV	
	17.693			25	VB	
	18.112			44	BB	
PCB016	18.302	3.86	0.01195	22	BB	1
	18.749			22	BB	
	18.896			40	BV	
	18.999			49	VV	
	19.081			27	VB	
	19.252			35	BB	
	19.429			25	BB	
PCB016	19.646	0.84	8.568E-03	8	BV	1
	19.727			3	VB	

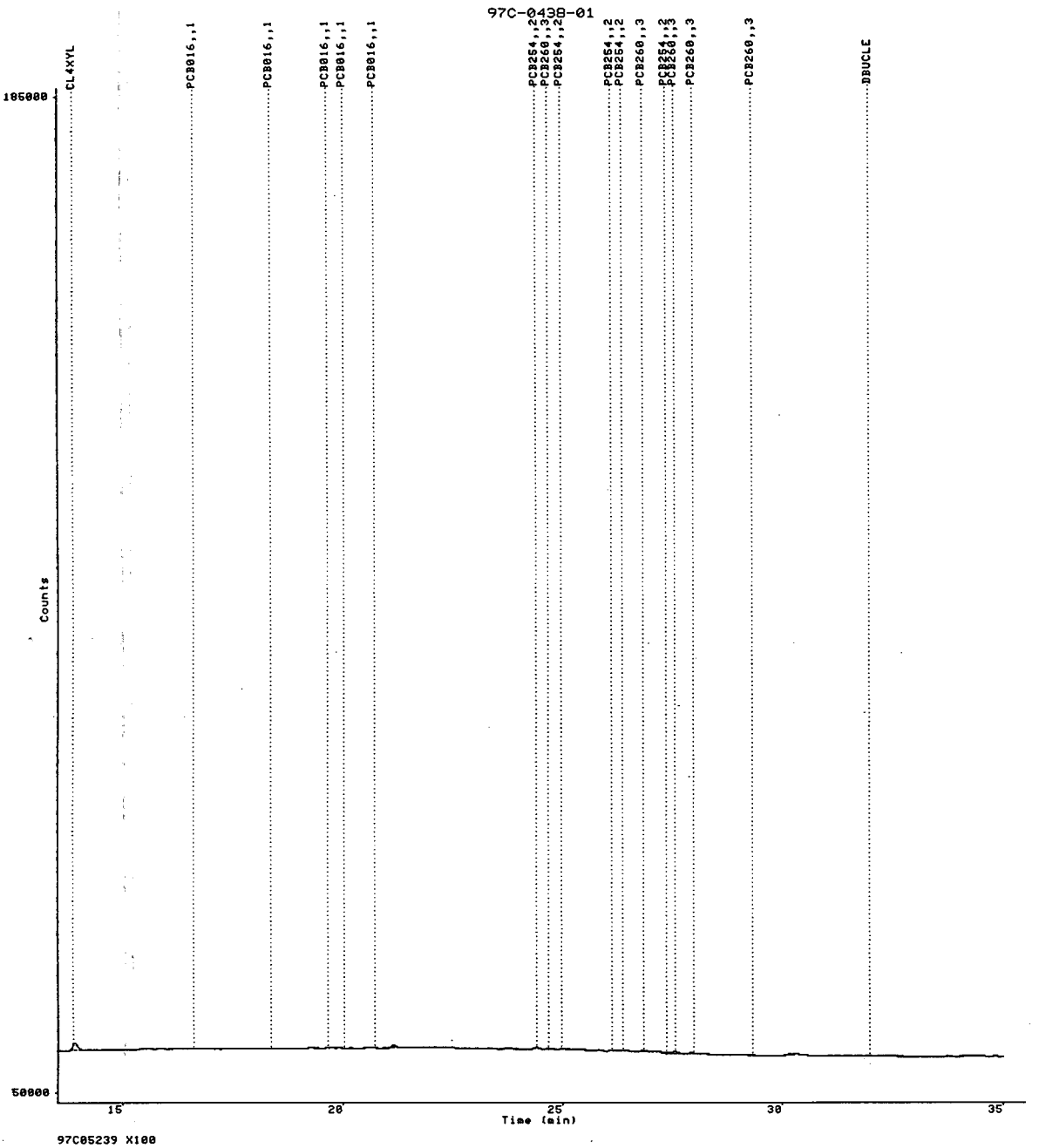
PCB016	20.019	0.91	7.390E-03	16	BB	1
	20.095			21	BV	
	20.194			34	VB	
	20.414			23	BB	
	20.548			25	BB	
	21.156			368	BE	
	21.328			66	EB	
	21.537			28	BB	
	21.750			28	BB	
	21.866			25	BB	
	21.975			15	BB	
	22.204			33	BB	
	22.375			28	BB	
	22.800			26	BB	
	22.951			8	BB	
	23.086			18	BB	
	23.749			30	BV	
	23.808			25	VB	
PCB254	24.398	-0.46	0.1201	197	BB	2
PCB260	24.687	-1.36	0.3004	142	BV	3
	24.845			9	VB	
PCB254	24.991	-0.80	0.07778	50	BV	2
	25.368			16	BB	
	25.766			26	BV	
	25.817			27	VB	
PCB254	26.149	-2.16	0.2687	142	BV	2
	26.319			56	VV	
PCB254	26.380	-0.77	0.06168	57	VB	2
	26.544			14	BB	
	26.700			31	BV	
PCB260	26.839	-0.32	0.3148	174	VB	3
PCB254	27.363	-0.50	0.07371	69	BV	2
	27.420			71	VV	
PCB260	27.547	0.57	0.1606	144	VB	3
PCB260	27.920	2.75	0.1293	109	BB	3
	28.563			19	BB	
	28.960			13	BB	
	29.103			14	BB	
PCB260	29.269	3.52	0.1208	58	BB	3
	29.760			28	BB	
	30.002			16	BB	
	30.308			40	BB	
	30.878			14	BB	
	31.053			19	BB	
	31.366			12	BB	
	31.604			18	BB	
	31.812			19	BV	
DBUCLE	31.963	1.20	0.01074	11	BB	
	32.347			34	BB	
	32.617			15	BB	
	33.063			35	BV	
	33.105			31	VB	
	33.272			23	BB	
	33.417			26	BB	
	33.605			23	BB	
	33.710			24	BB	
	34.037			30	BV	
	34.209			14	VB	
	34.370			40	BV	
	34.403			37	VB	

34.528	14	BB
34.804	12	BB

GROUP REPORT

Group	HEIGHT
1	4.568E-02
2	0.6020
3	1.026

Data file: DISK:[TAYLORC]4797353034.RAW;1
Report: 1197270242
Acquired: 20-DEC-1997 17:52:47
Time range: 13.50-35.50



00364

Date..... 2-JAN-1998 12:17:08.97 User: TAYLORC
Report number.....1197270243
Raw file.....DISK:[TAYLORC]4797353035.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 18:35:25
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05240 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....168
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.039			5286		BV	
	5.292			2102		VV	
	5.443			3243		VB	
	5.655			2578		BV	
	5.807			2114		VV	
	5.916			2456		VV	
	6.021			2241		VV	
	6.080			2368		VV	
	6.255			1572		VV	
	6.359			1505		VV	
	6.426			1488		VV	
	6.606			1910		VV	
	6.736			1159		VV	
	6.834			786		VV	
	7.028			518		VV	

	7.121			1207	VE	
	7.248			244	EB	
	7.541			183	BV	
	7.696			128	VV	
	7.815			56	VB	
	7.955			64	BV	
	8.057			409	VV	
	8.195			299	VB	
	8.427			23	BB	
	8.653			82	BB	
	8.865			169	BB	
	9.179			91	BB	
	9.410			71	BB	
	9.535			26	BB	
	9.761			853	BE	
	9.930			26	EV	
	10.052			25	EB	
	10.188			43	BB	
	10.322			47	BB	
	10.882			10	BB	
	11.043			34	BB	
	11.217			19	BB	
	11.540			26	BB	
	11.822			20	BB	
	11.994			21	BB	
	12.185			56	BV	
	12.253			91	VB	
	12.444			36	BV	
	12.538			19	VB	
	12.767			25	BB	
	12.950			19	BB	
	13.418			14	BB	
CL4XYL	13.883	-2.68	0.1716	1514	BB	
	14.530			62	BB	
	14.714			17	BB	
	14.906			45	BV	
	14.987			38	VV	
	15.156			32	VV	
	15.203			29	VV	
	15.282			25	VB	
	15.575			43	BV	
	15.642			30	VB	
	15.854			23	BB	
	16.014			42	BV	
	16.071			39	VV	
	16.135			35	VV	
	16.195			39	VB	
PCB016	16.506	5.39	0.01965	21	BV	1
	16.692			21	VB	
	16.951			40	BB	
	17.439			5	BB	
	17.659			17	BB	
	17.945			8	BB	
	18.075			27	BB	
PCB016	18.366	-0.00	0.01575	29	BB	1
	18.429			22	BB	
	18.926			38	BV	
	18.957			41	VB	
	19.086			18	BB	
	19.246			20	BB	

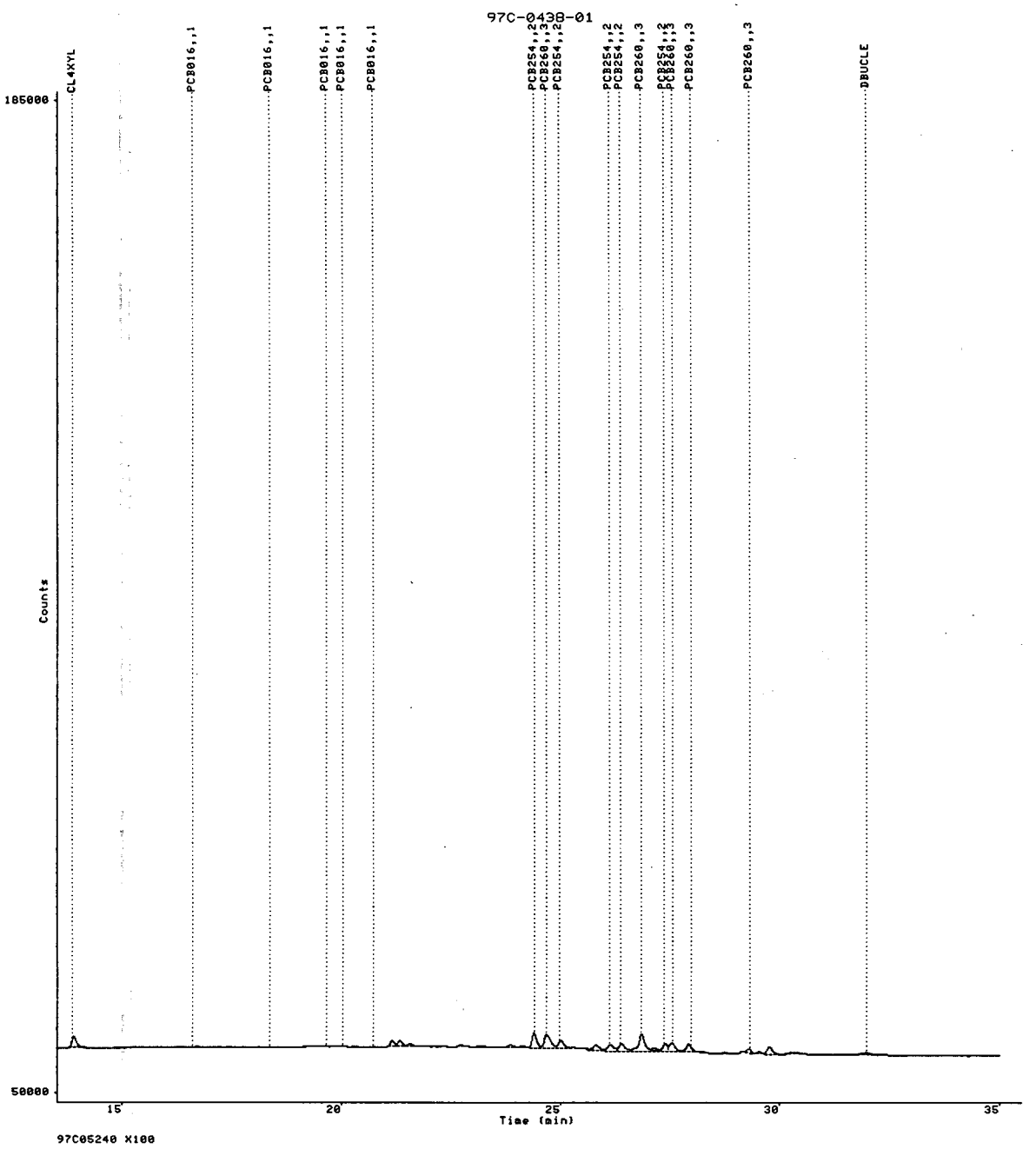
	19.469			9	BB	
	19.602			25	BV	
PCB016	19.640	1.22	0.02463	23	VB	1
	19.785			17	BB	
	19.920			33	BB	
PCB016	20.039	-0.31	0.01062	23	BB	1
	20.242			29	BV	
	20.315			28	VB	
	20.414			20	VV	
	20.512			7	VB	
PCB016	20.653	3.71	0.01806	20	BB	1
	20.853			17	BB	
	21.156			773	BV	
	21.337			781	VV	
	21.560			244	VB	
	21.985			37	BB	
	22.184			25	BB	
	22.521			12	BB	
	22.721			218	BB	
	23.085			38	BV	
	23.193			61	VV	
	23.261			83	VB	
	23.853			296	BB	
	24.104			64	BV	
	24.155			53	VB	
PCB254	24.392	-0.14	1.191	1949	BV	2
PCB260	24.685	-1.24	3.674	1731	VV	3
PCB254	25.002	-1.42	1.533	983	VB	2
	25.600			14	BV	
	25.797			556	VB	
PCB254	26.132	-1.14	1.348	711	BV	2
PCB254	26.389	-1.32	0.9656	891	VV	2
PCB260	26.848	-0.81	4.081	2254	VE	3
	27.138			336	EV	
PCB254	27.386	-1.88	0.9891	925	VV	2
PCB260	27.540	1.04	1.270	1138	VV	3
PCB260	27.920	2.79	1.149	968	VB	3
	28.253			56	BB	
	28.490			30	BV	
	28.743			176	BB	
	28.931			13	BB	
PCB260	29.291	2.22	0.9980	479	BB	3
	29.527			171	BB	
	29.766			894	BB	
	30.295			142	BB	
	30.945			20	BV	
	31.011			38	VB	
	31.130			12	BB	
	31.212			14	BB	
	31.320			28	BV	
	31.366			35	VV	
	31.473			30	VV	
	31.568			27	VB	
	31.853			177	BV	
DBUCLE	31.975	0.50	0.2430	249	VB	
	32.374			75	BB	
	32.640			25	BB	
	32.795			20	BB	
	32.909			15	BB	
	32.973			18	BB	

33.196	5	BB
33.780	24	BB
34.336	23	BV
34.529	9	BB
34.746	34	BV
34.849	31	VB

GROUP REPORT

Group	HEIGHT
1	8.871E-02
2	6.026
3	11.17

Data file: DISK:[TAYLORC]4797353035.RAW;1
Report: 1197270243
Acquired: 20-DEC-1997 18:35:25
Time range: 13.50-35.50



00369

Date..... 2-JAN-1998 12:17:14.06 User: TAYLORC
Report number.....1197270244
Raw file.....DISK:[TAYLORC]4797353036.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 19:18:03
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05241 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....138
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.071			4145			BB	
	5.287			120			BB	
	5.445			2329			BB	
	5.661			1555			BV	
	5.811			1753			VV	
	5.920			1678			VV	
	6.017			1522			VV	
	6.078			1488			VV	

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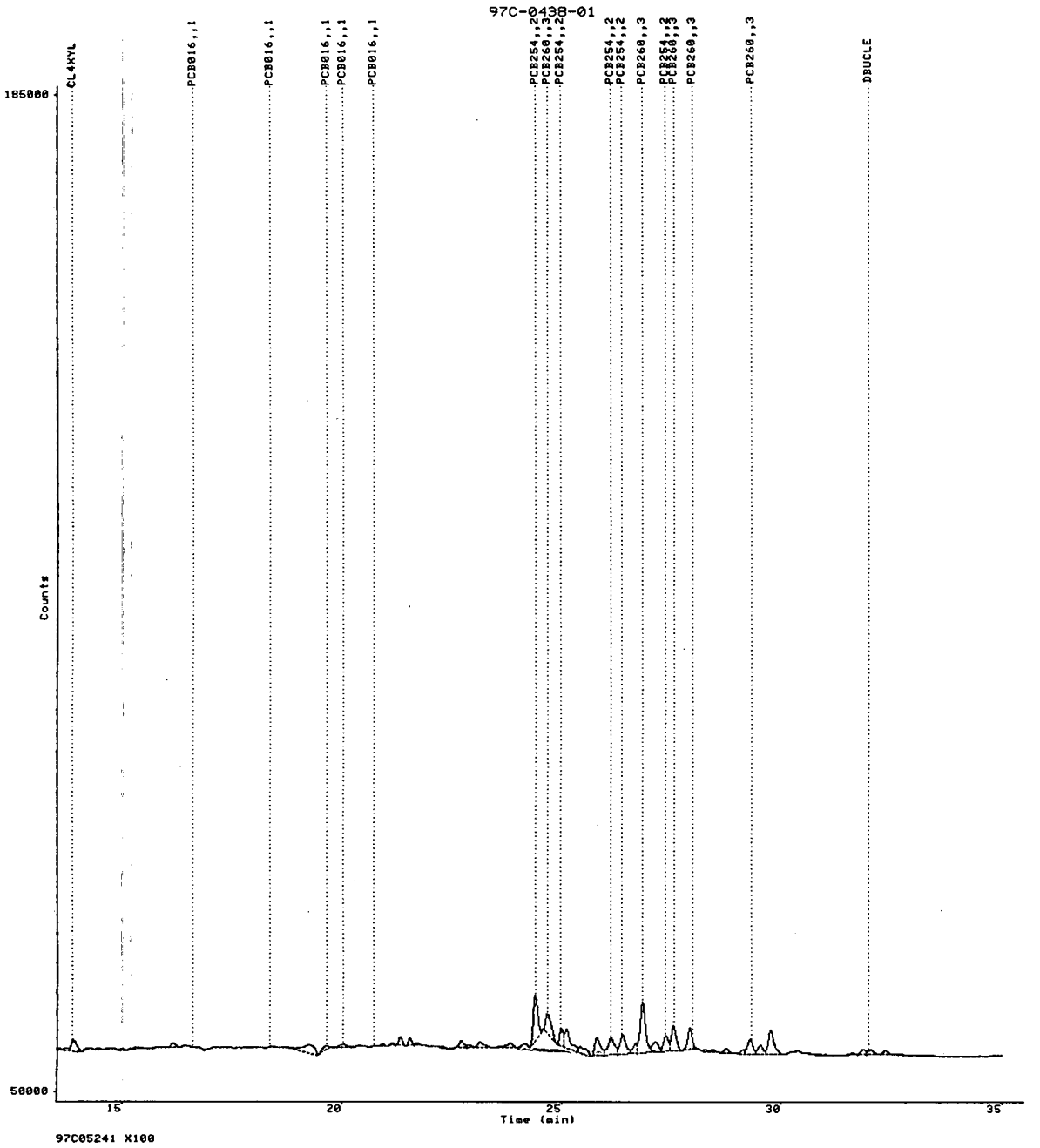
	6.245			1063	VV	
	6.350			876	VV	
	6.431			819	VV	
	6.608			860	VV	
	6.752			261	VB	
	7.118			384	BE	
	7.244			65	EB	
	7.536			300	BB	
	7.707			94	BB	
	7.901			17	BV	
	8.078			160	BB	
	8.420			59	BB	
	8.659			73	BB	
	8.927			240	BB	
	9.106			29	BB	
	9.430			731	BV	
	9.535			541	VV	
	9.586			477	VV	
	9.759			2816	VB	
	10.433			626	BV	
	10.621			913	VB	
	10.944			775	BV	
	11.029			720	VV	
	11.257			598	VV	
	11.525			411	VV	
	11.717			138	VB	
	12.009			324	BV	
	12.258			719	VB	
	12.521			138	BB	
	12.728			82	BB	
	12.917			156	BV	
	13.017			209	VB	
	13.189			265	BB	
	13.332			93	BB	
	13.489			76	BB	
	13.732			194	BV	
CL4XYL	13.872	-2.01	0.1651	1457	VB	
	14.225			113	BB	
	14.465			96	BB	
	14.706			67	BB	
	14.994			201	BB	
	15.254			203	BV	
	15.392			126	VV	
	15.441			88	VB	
	15.856			120	BV	
	15.973			62	VV	
	16.157			639	VB	
	16.429			264	BB	
	17.082			31	BB	
	17.318			18	VB	
	17.617			34	BB	
	17.775			33	BV	
	17.836			20	VB	
	18.085			24	BB	
PCB016	18.409	-2.58	0.1331	245	BE	00371
	18.842			128	BV	
	19.254			991	VB	
PCB016	19.658	0.12	0.5584	521	BB	1
PCB016	20.041	-0.40	0.1723	373	BB	1
	20.358			66	BV	

	20.408			174	VB	
	20.662			27	BV	
PCB016	20.722	-0.43	0.02619	29	VB	1
	20.928			297	BB	
	21.146			533	BV	
	21.329			1335	VV	
	21.546			1100	VV	
	21.703			380	VE	
	21.862			28	EB	
	22.087			28	BB	
	22.291			185	BB	
	22.462			30	BB	
	22.711			984	BV	
	22.885			381	VV	
	23.136			722	VB	
	23.603			233	BV	
	23.830			613	VB	
	24.157			79	BB	
PCB254	24.397	-0.41	3.710	6039	BE	2
	24.561			73	EB	
PCB260	24.668	-0.25	5.405	2542	BB	3
PCB254	24.991	-0.80	3.689	2357	BV	2
	25.106			2512	VV	
	25.492			726	VB	
	25.798			2521	BV	
PCB254	26.123	-0.57	4.469	2347	VV	2
PCB254	26.381	-0.84	2.935	2699	VV	2
	26.693			1428	VV	
PCB260	26.839	-0.29	12.53	6911	VE	3
	27.131			1327	EV	
PCB254	27.369	-0.83	2.316	2163	VV	2
PCB260	27.539	1.09	3.719	3325	VB	3
PCB260	27.914	3.11	3.390	2853	BB	3
	28.265			199	BV	
	28.434			267	VB	
	28.739			582	BB	
	29.146			556	BV	
PCB260	29.289	2.35	4.142	1987	VV	3
	29.519			1123	VV	
	29.757			3266	VB	
	30.241			125	BV	
	30.367			61	VB	
	30.660			53	BB	
	30.841			22	BB	
	31.000			22	BB	
	31.621			233	BV	
	31.849			719	VV	
DBUCLE	32.021	-2.30	0.6194	635	VV	
	32.354			451	VB	
	32.672			6	BB	
	33.111			12	BB	
	33.284			21	BB	
	33.424			21	BV	
	33.469			27	VB	
	33.661			13	BB	
	33.956			18	BB	
	34.360			15	BB	
	34.501			15	BB	
	34.829			13	BB	

GROUP REPORT

Group	HEIGHT
1	0.8900
2	17.12
3	29.19

Data file: DISK:[TAYLORC]4797353036.RAW;1
Report: 1197270244
Acquired: 20-DEC-1997 19:18:03
Time range: 13.50-35.50



00374

Date..... 2-JAN-1998 12:17:19.62 User: TAYLORC
Report number.....1197270245
Raw file.....DISK:[TAYLORC]4797353037.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 20:00:40
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05242 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....138
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.048			947			BV	
	5.212			1151			VV	
	5.445			3265			VB	
	5.716			1073			BV	
	5.927			450			VV	
	6.032			144			VB	
	6.240			23			BB	
	6.609			223			BV	

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	6.727			118	VB	
	6.905			40	BB	
	7.120			83	BB	
	7.263			24	BB	
	7.365			43	BB	
	7.548			98	BB	
	7.701			78	BB	
	8.078			141	BB	
	8.568			34	BV	
	8.639			40	VB	
	8.933			106	BB	
	9.105			33	BB	
	9.412			91	BB	
	9.539			30	BB	
	9.761			833	BB	
	10.440			87	BB	
	10.622			77	BB	
	10.871			127	BB	
	11.037			77	BB	
	11.255			104	BB	
	11.529			168	BB	
	11.727			55	BB	
	12.045			147	BV	
	12.228			183	VB	
	12.567			121	BV	
	12.654			38	VB	
	12.923			69	BV	
	13.032			89	VV	
	13.196			160	VV	
	13.348			82	VV	
	13.459			139	VV	
	13.542			147	VV	
	13.601			143	VV	
CL4XYL	13.875	-2.21	0.1873	1652	VB	
	14.232			56	BB	
	14.486			44	BB	
	14.734			61	BV	
	14.768			49	VB	
	14.976			85	BB	
	15.275			91	BV	
	15.366			69	VV	
	15.429			69	VB	
	15.588			51	BB	
	15.702			12	BB	
	15.813			29	BB	
	16.154			73	BB	
	16.457			133	BV	
	16.708			182	VB	
	16.984			66	BB	
	17.284			12	BB	
	17.482			30	BB	
	17.629			24	BB	
	17.822			35	VV	
	17.857			34	VB	
	18.082			23	BB	00376
PCB016	18.432	-3.96	8.146E-03	15	BB	1
	18.802			47	BB	
	19.004			36	BV	
PCB016	19.654	0.38	0.1671	156	BB	1
	19.930			30	BB	

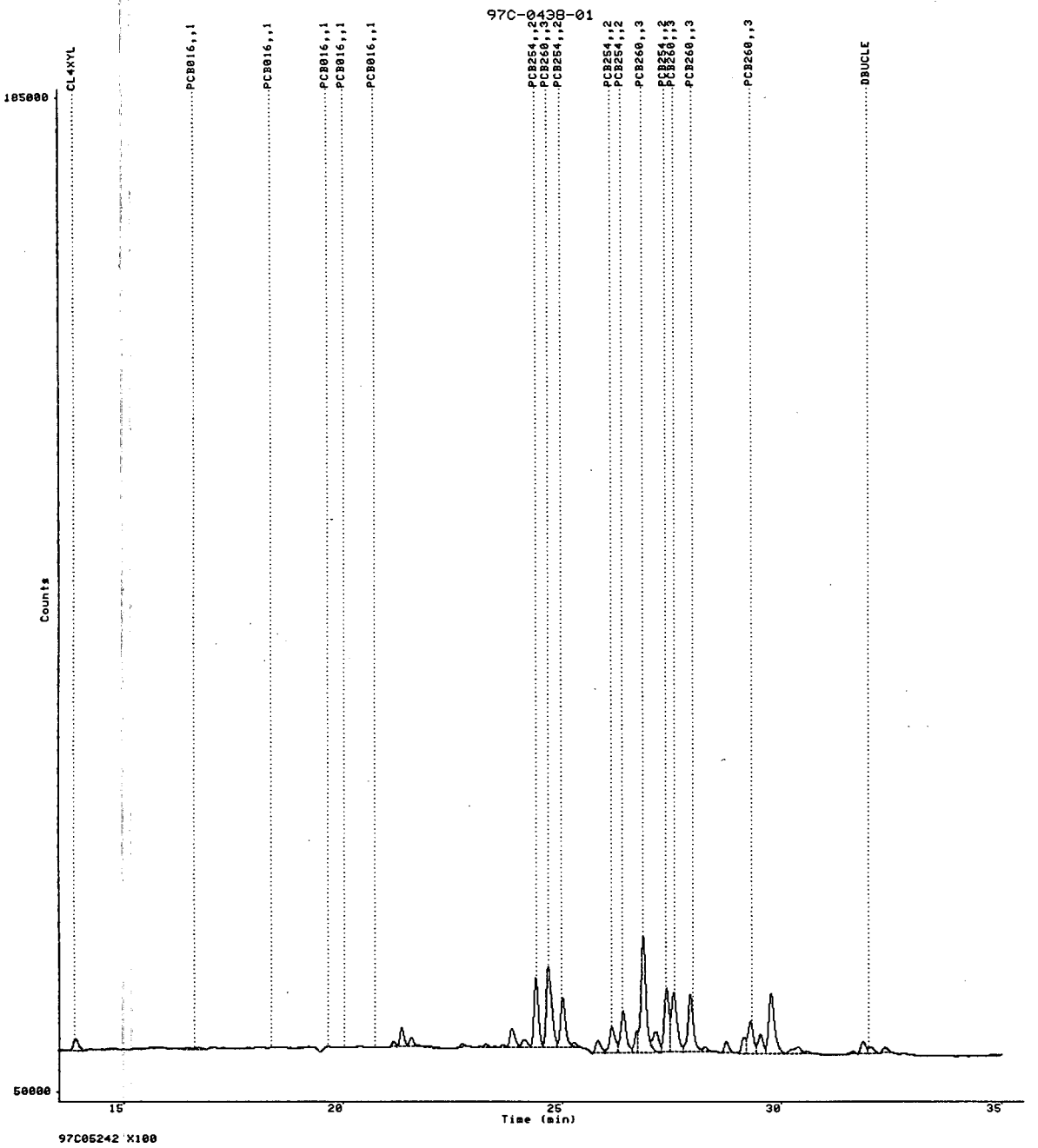
PCB016	20.046	-0.70	9.700E-03	21	BB	1
	20.384			36	BB	
PCB016	20.696	1.15	0.01987	22	BV	1
	20.790			17	VB	
	21.151			706	BV	
	21.334			2580	VV	
	21.552			1254	VE	
	21.687			108	EB	
	21.901			143	BV	
	22.146			132	VB	
	22.319			22	BB	
	22.715			491	BB	
	23.121			122	BV	
	23.255			445	VV	
	23.456			100	VV	
	23.642			285	VV	
	23.845			2562	VV	
	24.127			1093	VV	
PCB254	24.388	0.12	5.833	9451	VV	2
PCB260	24.676	-0.71	23.74	10965	VV	3
PCB254	24.997	-1.13	10.75	6787	VE	2
	25.263			499	EB	
	25.805			1706	BV	
PCB254	26.125	-0.72	6.784	3551	VV	2
PCB254	26.382	-0.91	6.317	5777	VV	2
	26.691			2922	VV	
PCB260	26.842	-0.48	28.66	15761	VE	3
	27.122			2631	EV	
PCB254	27.375	-1.18	9.461	8772	VV	2
PCB260	27.536	1.25	9.213	8200	VV	3
PCB260	27.917	2.95	9.426	7913	VV	3
	28.260			657	VV	
	28.736			1474	BB	
	29.144			2195	BV	
PCB260	29.288	2.38	9.018	4322	VV	3
	29.518			2593	VV	
	29.760			8181	VV	
	30.371			881	VV	
	30.576			320	VB	
	31.186			24	BB	
	31.348			18	BB	
	31.617			366	BV	
	31.851			1628	VV	
DBUCLE	32.023	-2.38	0.8766	899	VB	
	32.351			768	BB	
	32.772			14	BB	
	33.423			16	BB	
	34.506			37	BV	
	34.547			29	VB	
	34.738			55	BV	
	34.827			59	VV	
	34.873			32	VB	

GROUP REPORT

Group	HEIGHT
1	0.2048
2	39.15

3	80.06

Data file: DISK:[TAYLORC]4797353037.RAW;1
Report: 1197270245
Acquired: 20-DEC-1997 20:00:40
Time range: 13.50-35.50



00379

Date..... 2-JAN-1998 12:17:24.16 User: TAYLORC
Report number.....1197270246
Raw file.....DISK:[TAYLORC]4797353038.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 20:43:16
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05243 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....142
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

==========
EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.064			1043		BB	
	5.211			135		BB	
	5.445			2448		BB	
	5.738			1076		BV	
	5.935			716		VV	
	6.061			594		VB	
	6.438			65		BB	
	6.612			251		BV	
	6.757			110		VB	
	6.927			23		BB	
	7.057			265		BB	
	7.270			27		BB	
	7.544			80		BB	
	7.692			174		BB	
	8.088			150		BB	

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	8.253			44	BB	
	8.419			19	BB	
	8.577			22	BB	
	8.944			74	BB	
	9.092			22	BB	
	9.377			117	BV	
	9.419			92	VB	
	9.553			63	BB	
	9.761			863	BV	
	10.007			48	VV	
	10.079			40	VB	
	10.166			48	BB	
	10.411			70	BV	
	10.462			54	VB	
	10.630			105	BB	
	10.867			63	BB	
	11.043			84	BB	
	11.266			49	BB	
	11.523			165	BV	
	11.986			33	BB	
	12.271			403	BB	
	12.516			25	VB	
	12.755			44	BB	
	12.909			19	BB	
	13.019			58	BB	
	13.194			75	BV	
	13.332			43	VV	
	13.381			12	VB	
	13.570			21	BV	
CL4XYL	13.877	-2.31	0.1679	1481	VB	
	14.131			28	BV	
	14.248			91	VV	
	14.304			46	VB	
	14.470			110	BB	
	14.694			48	BB	
	14.992			51	BB	
	15.250			148	BV	
	15.417			96	VB	
	15.583			56	BV	
	15.692			72	VV	
	15.791			19	VB	
	16.157			880	BE	
	16.422			140	EB	
PCB016	16.679	-4.99	0.08422	90	BV	1
	16.758			103	VB	
	16.960			59	BB	
	17.170			22	BV	
	17.258			47	VB	
	17.509			19	BB	
	17.661			56	BV	
	17.834			38	VB	
	18.084			190	BB	
PCB016	18.416	-3.02	0.2374	437	BE	1
	18.658			35	EB	
	18.864			340	BV	
	19.085			290	VV	
	19.267			1359	VB	
PCB016	19.654	0.35	1.130	1053	BV	1
PCB016	20.040	-0.34	0.4697	1016	VV	1
	20.413			661	VE	

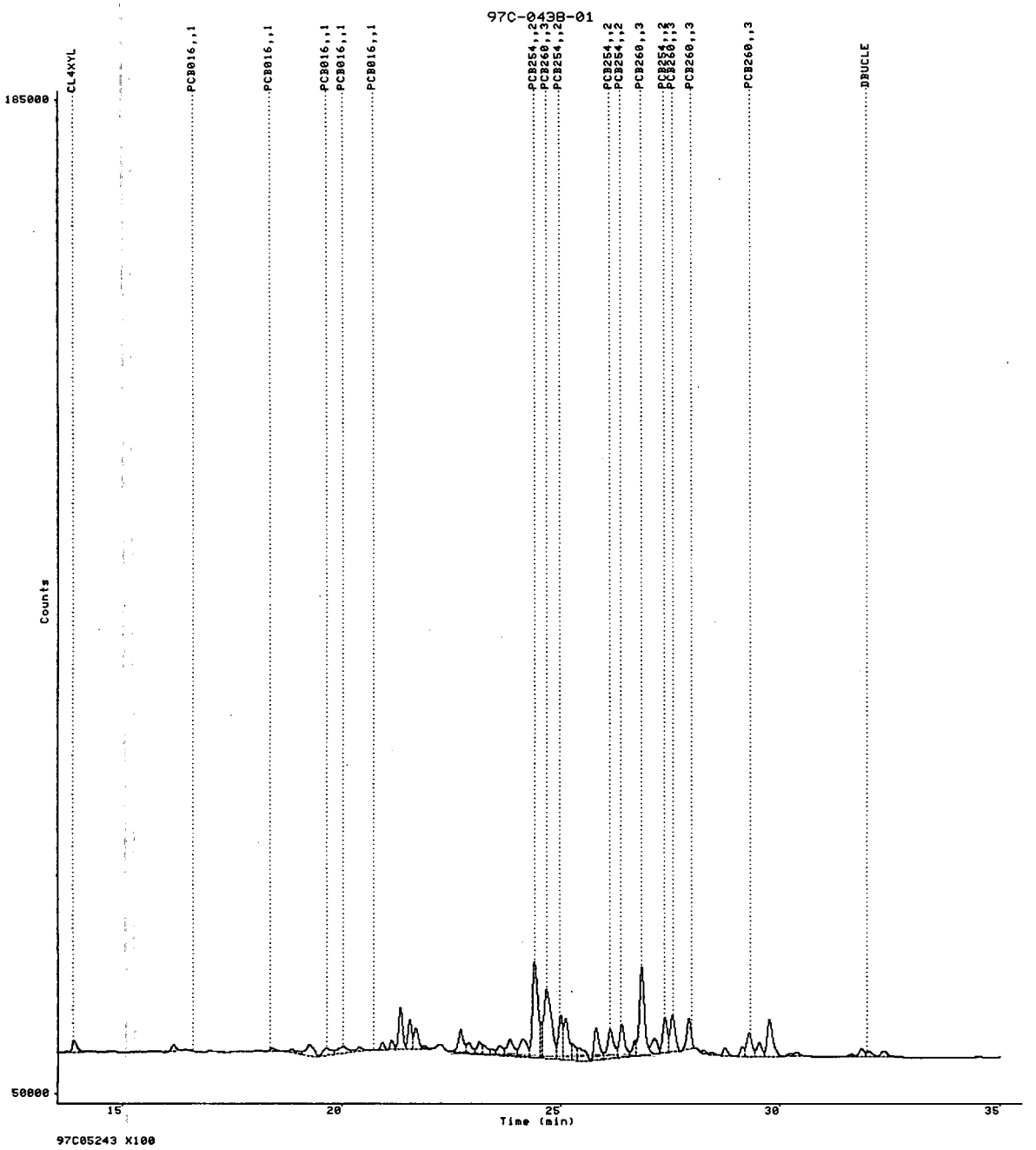
	20.636			32	EV	
PCB016	20.669	2.75	0.03161	35	EB	1
	20.931			1098	BB	
	21.144			1250	BV	
	21.335			5639	VV	
	21.554			4057	VV	
	21.694			2880	VE	
	21.880			315	EB	
	22.107			56	BB	
	22.221			121	BB	
	22.712			3038	BV	
	22.892			1350	VV	
	23.142			1547	VV	
	23.240			1132	VV	
	23.444			641	VV	
	23.603			1204	VV	
	23.840			2151	VV	
	24.138			2316	VV	
PCB254	24.398	-0.47	8.075	13019	VV	2
	24.556			4803	VV	
PCB260	24.671	-0.41	19.95	9250	VV	3
PCB254	24.993	-0.91	9.385	5938	VV	2
	25.110			5439	VV	
	25.258			2164	VV	
	25.494			1354	VB	
	25.800			4291	BV	
PCB254	26.127	-0.82	7.578	3962	VV	2
PCB254	26.383	-0.99	4.930	4519	VV	2
	26.689			2139	VV	
PCB260	26.841	-0.42	21.92	12068	VE	3
	27.132			1995	EV	
PCB254	27.373	-1.05	5.123	4771	VV	2
PCB260	27.541	0.98	5.584	4985	VB	3
PCB260	27.914	3.10	5.069	4263	BB	3
	28.259			327	BB	
	28.434			184	BB	
	28.737			985	BB	
	29.139			1173	BV	
PCB260	29.290	2.29	6.507	3120	VV	3
	29.522			1806	VV	
	29.758			4902	VB	
	30.242			379	BV	
	30.380			461	VB	
	31.233			19	BB	
	31.619			338	BV	
	31.851			1036	VV	
DBUCLE	32.026	-2.56	0.6311	647	VV	
	32.357			720	VB	
	33.299			23	BB	
	33.448			24	BB	
	33.751			23	BV	
	33.885			22	VV	
	33.959			20	VB	
	34.492			26	BB	
	34.715			14	BB	

GROUP REPORT

Group HEIGHT

1	1.953
2	35.09
3	59.03

Data file: DISK:[TAYLORC]4797353038.RAW;1
Report: 1197270246
Acquired: 20-DEC-1997 20:43:16
Time range: 13.50-35.50



00384

Date..... 2-JAN-1998 12:17:28.70 User: TAYLORC
Report number.....1197270247
Raw file.....DISK:[TAYLORC]4797353039.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 21:25:54
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05244 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....142
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.042			816		BB	
	5.214			103		BB	
	5.446			2449		BB	
	5.802			1236		BV	
	5.935			856		VV	
	6.066			755		VE	
	6.224			42		EB	
	6.439			65		BB	
	6.614			219		BB	
	7.068			71		BB	
	7.537			139		BB	
	7.684			196		BV	
	7.790			103		VB	
	8.079			133		BB	
	8.258			67		BB	

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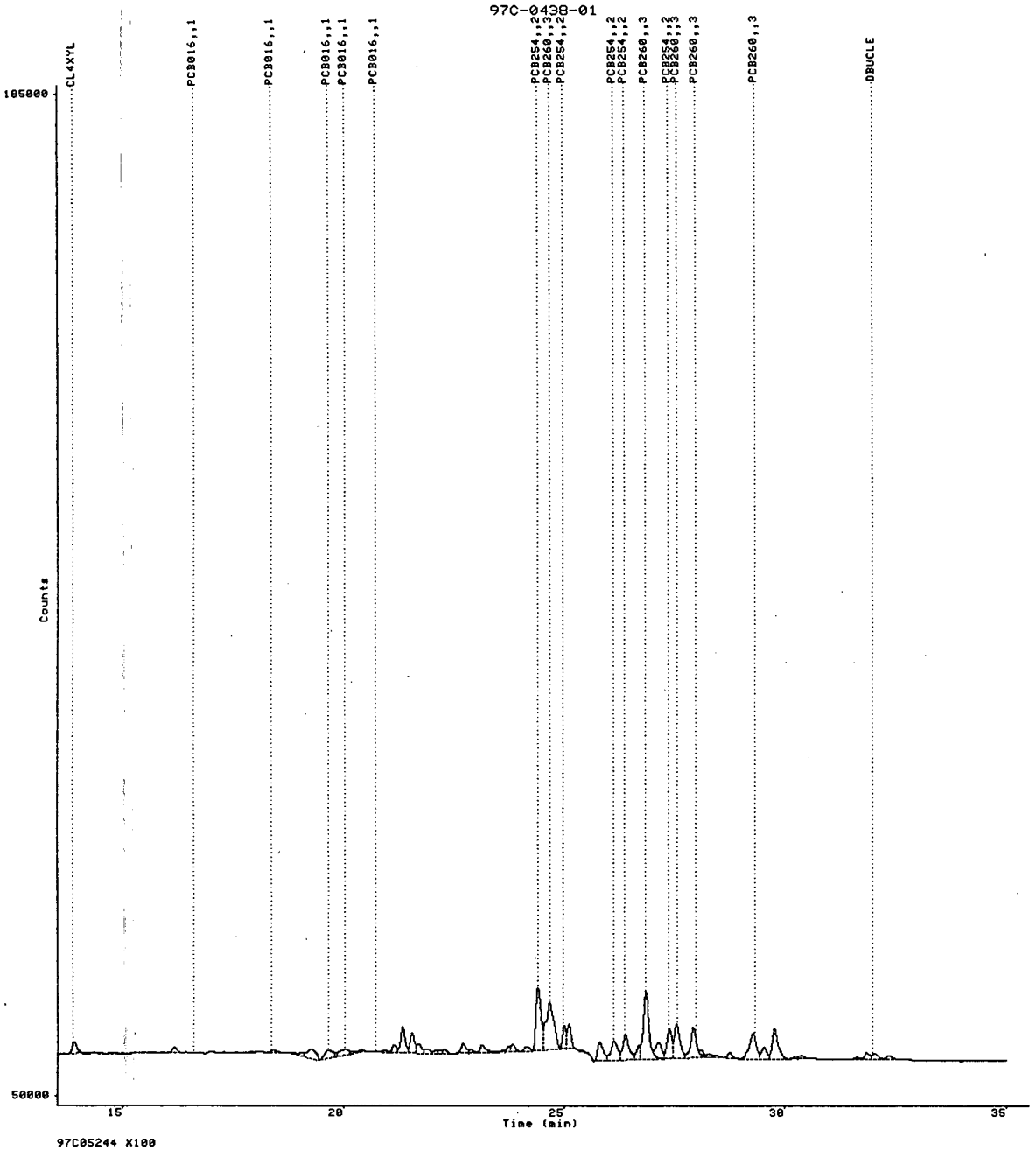
	8.610			19	BB	
	8.706			43	BV	
	8.767			95	VB	
	8.931			78	BB	
	9.110			21	BB	
	9.413			114	BE	
	9.541			20	EB	
	9.763			932	BE	
	10.039			21	EB	
	10.434			27	BB	
	10.630			74	BB	
	10.932			168	BV	
	11.044			174	VB	
	11.269			65	BB	
	11.509			50	BB	
	11.700			28	BB	
	11.986			31	BB	
	12.270			305	BB	
	12.524			72	BV	
	12.598			46	VB	
	12.765			54	BB	
	12.920			84	BV	
	13.027			79	VB	
	13.208			35	BB	
	13.348			45	BV	
	13.490			80	VV	
	13.609			63	VV	
	13.733			102	VV	
CL4XYL	13.880	-2.51	0.1913	1688	VE	
	14.205			58	EV	
	14.314			31	EB	
	14.486			122	BB	
	14.690			96	BV	
	14.815			126	VB	
	14.981			24	VB	
	15.216			19	BB	
	15.547			37	BV	
	15.590			45	VB	
	15.842			18	BB	
	16.159			744	BE	
	16.436			82	EB	
PCB016	16.556	2.41	0.02527	27	BB	1
	16.719			26	BB	
	16.975			94	BB	
	17.296			28	BB	
	17.489			29	BB	
	17.678			16	BB	
	17.854			22	BB	
	17.932			37	BV	
	18.097			54	VB	
PCB016	18.414	-2.91	0.1488	274	BB	1
	18.857			123	BV	
	19.068			342	VV	
	19.263			1107	VB	
PCB016	19.660	0.00	1.200	1118	BV	1
	19.817			654	VV	
PCB016	20.042	-0.48	0.3758	813	VV	
	20.416			360	VB	
PCB016	20.694	1.23	0.02167	24	BB	1
	20.815			34	BB	

	20.932			288	BV	
	21.151			1038	VV	
	21.337			3451	VV	
	21.556			2644	VV	
	21.696			1215	VV	
	21.877			499	VV	
	22.089			291	VV	
	22.208			415	VV	
	22.296			518	VB	
	22.715			1426	BV	
	22.888			503	VV	
	23.142			1118	VE	
	23.448			67	EB	
	23.615			237	BV	
	23.746			791	VV	
	23.835			1032	VB	
	24.158			642	BB	
PCB254	24.400	-0.59	5.295	8588	BV	2
PCB260	24.672	-0.49	13.43	6265	VV	3
PCB254	24.997	-1.13	4.971	3169	VV	2
	25.111			3332	VB	
	25.431			76	BB	
	25.803			2489	BV	
PCB254	26.127	-0.83	5.142	2698	VV	2
PCB254	26.386	-1.12	3.743	3438	VV	2
	26.698			1954	VV	
PCB260	26.843	-0.55	16.57	9130	VE	3
	27.129			1986	EV	
PCB254	27.377	-1.32	4.301	4009	VV	2
PCB260	27.541	0.95	5.213	4655	VV	3
PCB260	27.917	2.91	4.947	4161	VE	3
	28.088			539	EV	
	28.275			518	EV	
	28.444			352	VB	
	28.741			720	BB	
PCB260	29.273	3.29	7.294	3497	BV	3
	29.520			1555	VV	
	29.761			4138	VB	
	30.257			410	BV	
	30.371			465	VE	
	30.576			27	EB	
	30.833			18	BB	
	31.401			35	BV	
	31.617			306	VV	
	31.850			877	VV	
DBUCLE	32.025	-2.49	0.7675	787	VV	
	32.350			488	VB	
	32.743			29	BV	
	32.790			39	VB	
	33.441			12	BB	
	33.809			32	BV	
	33.867			21	VB	
	34.116			32	BB	
	34.445			35	BV	
	34.584			41	VB	
	34.930			27	BB	

GROUP REPORT

Group	HEIGHT
1	1.771
2	23.45
3	47.45

Data file: DISK:[TAYLORC]4797353039.RAW;1
Report: 1197270247
Acquired: 20-DEC-1997 21:25:54
Time range: 13.50-35.50



00389

Date..... 2-JAN-1998 12:17:38.73 User: TAYLORC
Report number.....1197270249
Raw file.....DISK:[TAYLORC]4797353041.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 22:51:09
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05245 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....136
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.070			958			BV	
	5.214			1004			VV	
	5.444			3192			VB	
	5.808			986			BE	
	6.060			207			EB	
	6.437			76			BB	
	6.618			79			BB	
	6.945			58			BV	

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	7.062			305	VB	
	7.707			88	BB	
	8.002			51	BV	
	8.097			177	VV	
	8.248			105	VB	
	8.602			25	BB	
	9.003			203	BV	
	9.100			79	VB	
	9.423			307	BV	
	9.565			200	VV	
	9.762			1527	VB	
	10.196			114	BB	
	10.451			443	BV	
	10.632			596	VB	
	10.915			100	BB	
	11.033			86	BB	
	11.257			50	BB	
	11.524			234	BB	
	11.716			43	BB	
	12.041			183	BV	
	12.271			626	VB	
	12.486			66	BB	
	12.722			38	BB	
	12.918			132	BV	
	13.019			180	VB	
	13.196			180	BB	
	13.353			45	BB	
CL4XYL	13.876	-2.29	0.2153	1899	BB	
	14.241			105	BB	
	14.492			90	BB	
	14.708			359	BV	
	14.808			406	VV	
	14.985			233	VB	
	15.209			196	BV	
	15.319			251	VV	
	15.417			152	VB	
	15.579			44	BB	
	15.680			16	BB	
	15.819			21	BB	
	16.158			976	BV	
	16.434			456	VV	
	16.762			278	VB	
	17.026			113	BB	
	17.490			32	BB	
	17.616			29	BB	
	18.066			34	BB	
PCB016	18.410	-2.63	0.3712	683	BV	1
	18.632			451	VV	
	18.681			493	VV	
	18.858			756	VV	
	19.265			1775	VB	
PCB016	19.657	0.19	1.839	1712	BV	1
	19.812			1255	VV	
PCB016	20.039	-0.33	0.8784	1899	VV	1
	20.411			1393	VV	
PCB016	20.738	-1.37	0.8256	913	VV	
	20.806			897	VV	
	20.932			1544	VV	
	21.145			2069	VV	
	21.333			5180	VV	

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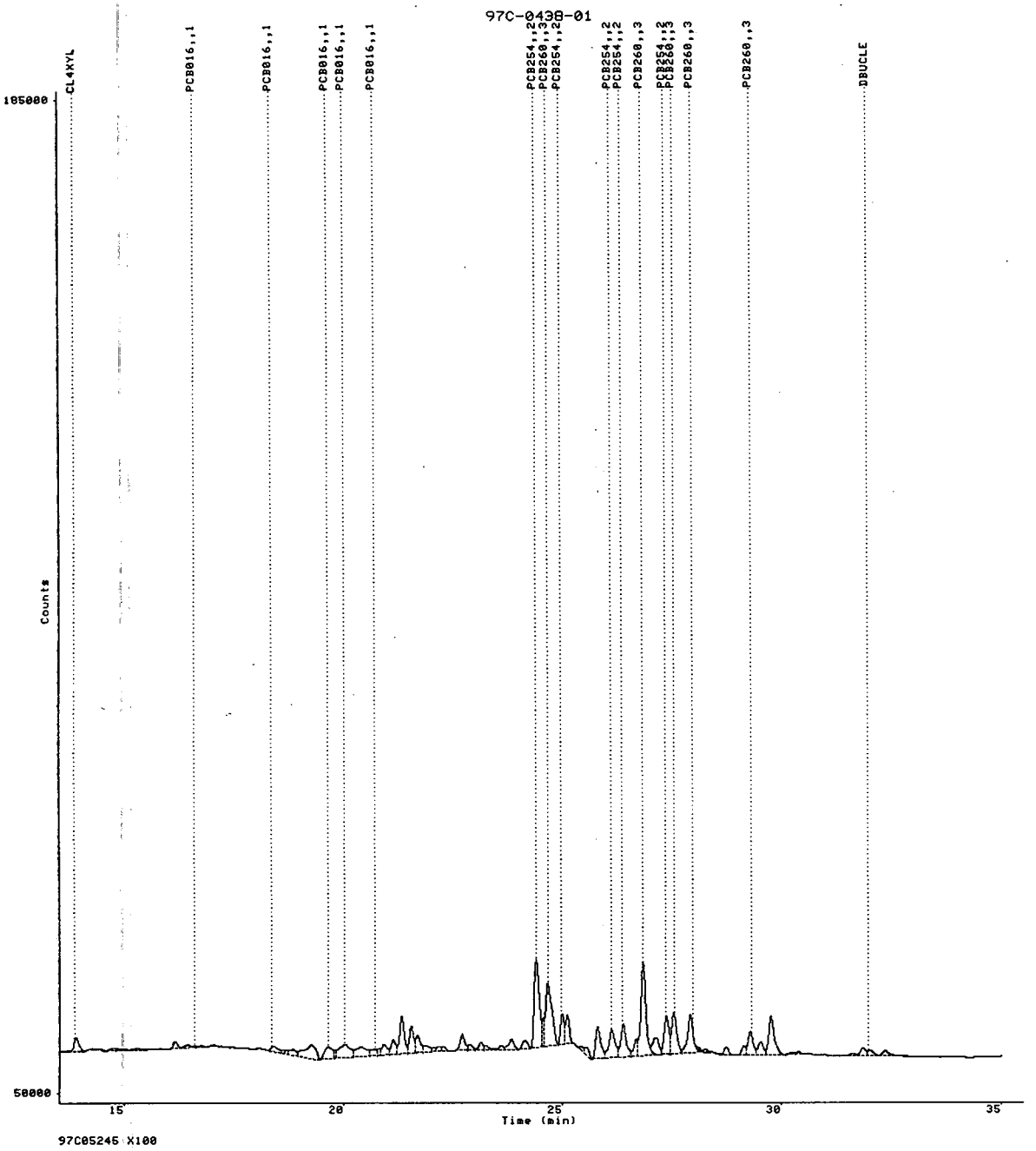
	21.553			3789	VV	
	21.696			2473	VV	
	21.874			964	VV	
	22.097			632	VV	
	22.204			734	VV	
	22.279			707	VB	
	22.712			2306	BV	
	22.892			905	VV	
	23.139			1122	VV	
	23.242			713	VV	
	23.439			197	VV	
	23.605			631	VV	
	23.837			1412	VB	
	24.143			1124	BB	
PCB254	24.400	-0.58	7.327	11833	BV	2
	24.563			3833	VV	
PCB260	24.669	-0.29	18.07	8392	VV	3
PCB254	24.993	-0.92	6.638	4220	VV	2
	25.110			3912	VB	
	25.414			299	BV	
	25.535			865	VB	
	25.799			4386	BV	
PCB254	26.124	-0.67	7.404	3872	VV	2
PCB254	26.383	-0.95	5.007	4589	VV	2
	26.692			2383	VV	
PCB260	26.840	-0.39	22.76	12530	VE	3
	27.126			2348	EV	
PCB254	27.370	-0.92	5.606	5218	VV	2
PCB260	27.541	0.95	6.335	5652	VV	3
PCB260	27.915	3.06	6.196	5209	VE	3
	28.082			392	EV	
	28.262			426	EV	
	28.395			16	VB	
	28.737			1030	BB	
	29.143			1260	BV	
PCB260	29.289	2.33	6.891	3304	VV	3
	29.522			1898	VV	
	29.757			5276	VB	
	30.227			325	BV	
	30.382			356	VB	
	30.607			19	BB	
	31.423			47	BV	
	31.620			402	VV	
	31.847			1084	VV	
DBUCLE	32.015	-1.91	0.7353	754	VV	
	32.354			701	VE	
	32.605			31	EB	
	32.790			14	BB	
	33.195			12	BB	
	33.435			26	BB	
	33.723			15	BB	
	34.004			31	BV	
	34.052			27	VV	
	34.506			20	BB	
	34.747			49	BV	
	34.848			45	VV	
	34.927			30	VB	

GROUP REPORT

Group	HEIGHT
1	3.914
2	31.98
3	60.25

Data file: DISK:[TAYLORC]4797353041.RAW;1
Report: 1197270249
Acquired: 20-DEC-1997 22:51:09
Time range: 13.50-35.50



00394

Date..... 2-JAN-1998 12:17:43.27 User: TAYLORC
Report number.....1197270250
Raw file.....DISK:[TAYLORC]4797353042.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....20-DEC-1997 23:33:43
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05246 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....142
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.071			1251			BV	
	5.212			1579			VV	
	5.445			3002			VB	
	5.812			1078			BV	
	6.074			628			VV	
	6.202			177			VB	
	6.443			80			BB	
	6.603			26			BB	
	6.739			29			BB	
	6.907			18			BB	
	7.058			243			BB	
	7.256			33			BB	
	7.347			32			BB	
	7.548			102			BB	
	7.692			195			BB	

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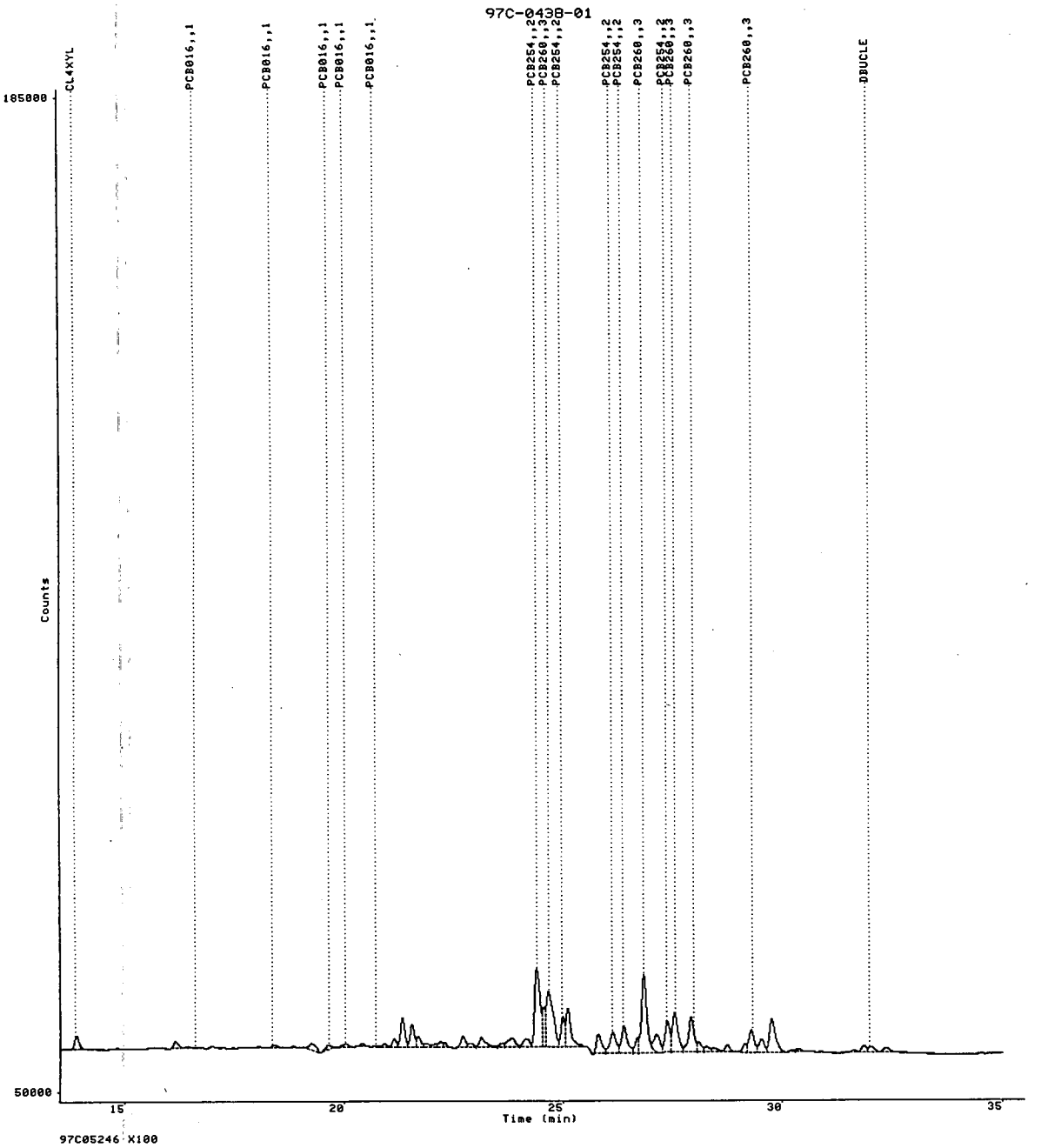
	8.078			106	BB	
	8.246			55	BV	
	8.416			41	VB	
	8.597			26	BB	
	8.753			22	BB	
	8.916			39	BB	
	9.084			21	BB	
	9.381			56	BB	
	9.581			53	BB	
	9.760			1374	BE	
	9.995			52	EV	
	10.184			61	BB	
	10.411			11	BB	
	10.616			73	BB	
	10.877			42	BB	
	11.036			72	BB	
	11.269			87	BV	
	11.351			51	VB	
	11.531			66	BB	
	11.694			33	BB	
	12.028			29	BB	
	12.264			233	VB	
	12.485			28	BB	
	12.772			57	BB	
	12.914			22	BB	
	13.197			68	BB	
	13.389			38	BV	
	13.514			52	VV	
	13.612			49	VV	
	13.684			56	VV	
CL4XYL	13.875	-2.22	0.2010	1773	VV	
	14.230			39	VB	
	14.407			48	BV	
	14.460			94	VB	
	14.753			151	BE	
	14.972			24	EB	
	15.208			39	BV	
	15.280			26	VB	
	15.591			59	BB	
	15.793			37	BV	
	15.836			39	VB	
	16.154			916	BE	
	16.430			100	EB	
PCB016	16.667	-4.28	0.02339	25	BB	1
	16.978			82	BB	
	17.257			17	BB	
	17.469			23	BB	
	17.643			40	BV	
	17.803			17	VB	
	18.076			13	BB	
PCB016	18.410	-2.65	0.1755	323	BB	1
	18.723			29	VV	
	18.850			143	VB	
	19.030			15	BB	
	19.260			804	BB	
PCB016	19.653	0.45	0.6754	630	BB	1
	19.956			284	BV	
PCB016	20.039	-0.27	0.1927	417	VB	1
	20.408			401	BB	
PCB016	20.674	2.44	0.02528	28	BB	1

	20.759			17	BV	
	20.927			364	VV	
	21.146			1078	VV	
	21.332			3953	VV	
	21.550			3043	VV	
	21.694			1402	VV	
	21.875			510	VV	
	22.084			433	VV	
	22.201			729	VV	
	22.278			688	VB	
	22.710			1587	BV	
	22.879			631	VV	
	23.136			1370	VE	
	23.473			267	EV	
	23.598			585	VV	
	23.830			1265	VV	
	24.163			1167	VV	
PCB254	24.400	-0.60	6.536	10573	VV	2
	24.561			5370	VV	
PCB260	24.663	0.05	16.09	7487	VV	3
PCB254	24.992	-0.86	6.491	4127	VV	2
	25.109			5212	VE	
	25.396			160	EB	
	25.800			2760	BV	
PCB254	26.124	-0.68	5.666	2971	VV	2
PCB254	26.381	-0.84	4.090	3754	VV	2
	26.692			2102	VV	
PCB260	26.839	-0.29	19.38	10674	VE	3
	27.126			2349	EV	
PCB254	27.372	-1.04	4.598	4284	VV	2
PCB260	27.539	1.09	6.064	5411	VV	3
PCB260	27.912	3.23	5.818	4892	VV	3
	28.080			1381	VV	
	28.261			793	VV	
	28.414			589	VV	
	28.736			954	VB	
	29.147			1051	BV	
PCB260	29.287	2.46	6.110	2930	VV	3
	29.519			1739	VV	
	29.757			4550	VB	
	30.238			350	BV	
	30.370			468	VE	
	30.596			61	EB	
	31.012			31	BB	
	31.189			23	BB	
	31.372			25	BV	
	31.618			367	VV	
	31.849			966	VV	
DBUCLE	32.023	-2.38	0.7684	788	VB	
	32.353			623	BB	
	32.785			38	BB	
	33.216			13	BB	
	34.030			32	BV	
	34.105			32	VB	
	34.530			30	BB	
	34.723			26	BV	
	34.811			10	VB	

Group	HEIGHT
1	1.092
2	27.38
3	53.46

Data file: DISK:[TAYLORC]4797353042.RAW;1
Report: 1197270250
Acquired: 20-DEC-1997 23:33:43
Time range: 13.50-35.50



00399

Date..... 2-JAN-1998 12:17:47.88 User: TAYLORC
Report number.....1197270251
Raw file.....DISK:[TAYLORC]4797353043.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 00:16:22
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05247 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....133
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.032			597		BV	
	5.211			721		VV	
	5.312			2211		VV	
	5.445			2912		VB	
	5.550			117		BV	
	5.600			182		VB	
	5.809			1029		BV	
	6.062			530		VE	
	6.238			32		EB	
	6.369			3619		BE	
	6.613			330		EV	
	6.896			78		VV	
	7.071			1233		VE	
	7.356			164		EB	
	7.482			38		BB	

00400

	7.685			136	BB	
	8.019			69	BV	
	8.107			329	VV	
	8.229			234	VV	
	8.435			350	VV	
	8.579			263	VV	
	8.714			381	VV	
	8.784			447	VB	
	8.931			328	BV	
	9.106			1391	VE	
	9.236			118	EB	
	9.416			287	BB	
	9.601			74	BB	
	9.761			1362	BE	
	9.963			248	EV	
	10.062			407	VB	
	10.378			73	BB	
	10.537			74	BB	
	10.700			90	BB	
	10.806			117	BV	
	10.977			424	VV	
	11.234			702	VB	
	11.510			1397	BE	
	11.809			77	EV	
	11.929			502	VV	
	12.008			509	VV	
	12.213			926	VB	
	12.510			238	BB	
	12.661			32	BB	
	13.029			390	BV	
	13.165			682	VV	
	13.336			473	VV	
	13.511			473	VV	
	13.722			851	VV	
CL4XYL	13.865	-1.65	0.2467	2176	VV	
	14.226			5315	VE	
	14.628			548	EV	
	14.760			1039	EV	
	14.940			1110	EV	
	15.153			1361	VV	
	15.309			1888	VV	
	15.587			13808	VE	
	16.061			1711	EV	
	16.314			5993	VV	
	16.495			1697	VV	
PCB016	16.660	-3.83	1.724	1838	VV	1
	16.977			3658	VB	
	17.271			153	BB	
	17.508			122	BB	
	17.684			49	BB	
	17.943			30131	BB	
PCB016	18.402	-2.18	7.916	14316	BB	1
	18.866			5779	BB	
	19.276			15397	BV	
	19.479			35585	VV	
PCB016	19.640	1.20	26.08	23373	VV	1
PCB016	20.024	0.63	6.035	12934	VB	1
	20.291			4789	BV	
	20.411			10010	VB	
PCB016	20.656	3.54	3.653	4020	BV	1

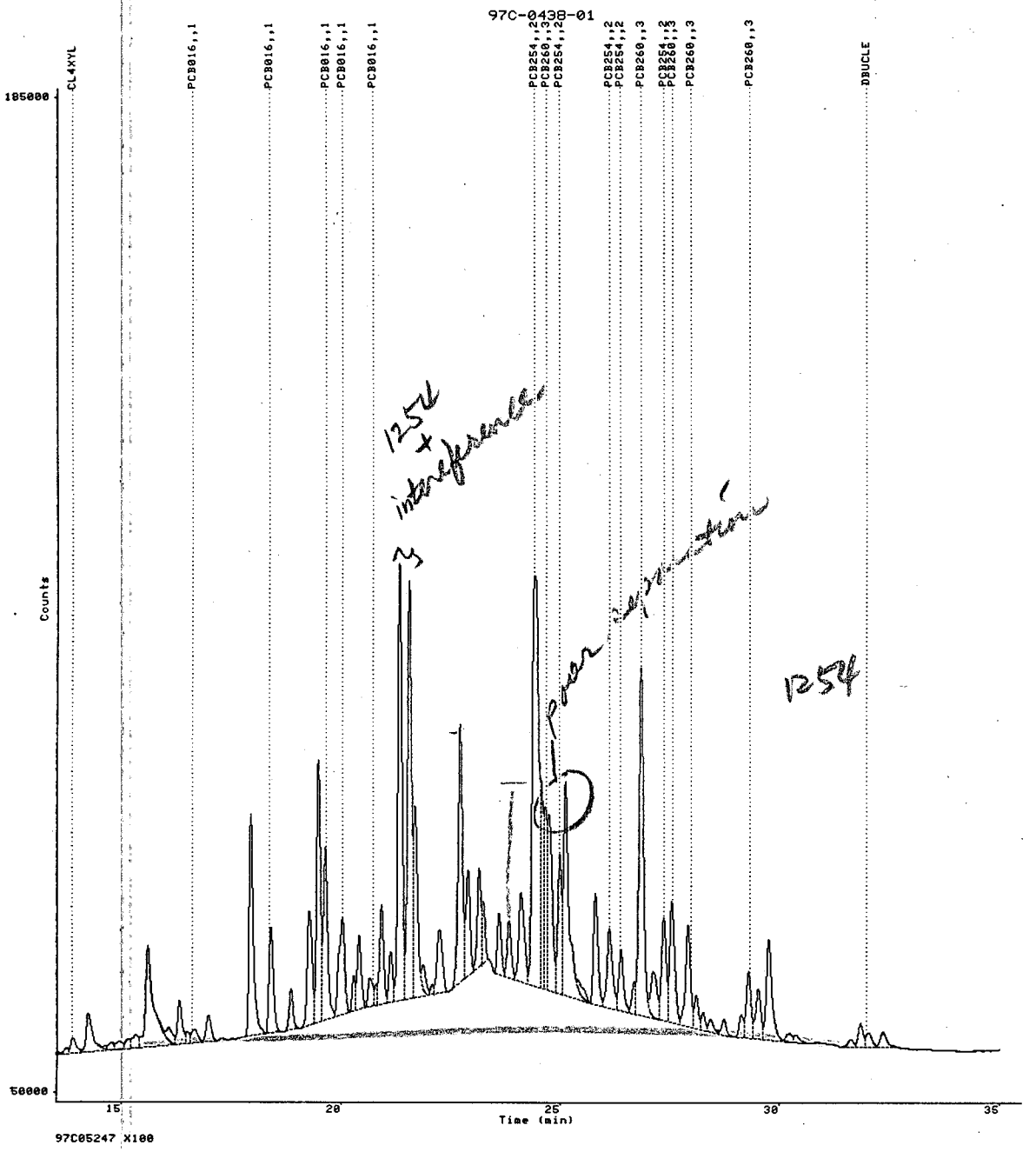
	20.811			3109	VV	
	20.922			13429	VV	
	21.128			6974	VV	
	21.328			59065	VV	
	21.547			56627	VV	
	21.680			25899	VE	
	21.870			3150	EV	
	22.086			1441	VV	
	22.241			8685	VB	
	22.704			35084	BV	
	22.888			14416	VV	
	23.138			13511	VV	
	23.237			8491	VB	
	23.594			8099	BV	
	23.827			7548	VV	
	24.101			11783	VV	
PCB254	24.417	-1.61	37.02	55935	VV	2
	24.549			28185	VV	
PCB260	24.647	1.04	54.74	24500	VV	3
	24.731			23683	VV	
PCB254	24.983	-0.31	30.85	18796	VV	2
	25.113			28818	VE	
	25.395			971	EB	
	25.793			14853	BV	
PCB254	26.116	-0.20	20.70	10617	VV	2
PCB254	26.374	-0.44	9.011	8204	VV	2
	26.680			4347	VV	
PCB260	26.834	0.01	85.94	46761	VE	3
	27.119			6051	EV	
PCB254	27.355	0.01	15.06	13880	VV	2
PCB260	27.536	1.26	18.28	16148	VV	3
PCB260	27.907	3.52	16.14	13514	VV	3
	28.093			4420	VV	
	28.258			2287	VV	
	28.424			1604	VE	
	28.601			327	EV	
	28.728			2055	VB	
	29.128			3072	BV	
PCB260	29.287	2.45	18.77	8979	VV	3
	29.513			6811	VV	
	29.748			13501	VE	
	30.218			1077	EV	
	30.373			968	EB	
	30.846			161	BB	
	31.618			1067	BV	
	31.841			3143	VV	
DBUCLE	32.028	-2.69	1.873	1923	VV	
	32.351			2025	VB	
	33.728			24	BV	
	33.785			26	VB	
	34.159			19	BV	
	34.196			21	VB	
	34.521			124	BV	
	34.777			110	VV	
	34.853			95	VB	

GROUP REPORT

Group HEIGHT

1	45.41
2	112.6
3	193.9

Data file: DISK:[TAYLORC]4797353043.RAW;1
Report: 1197270251
Acquired: 21-DEC-1997 00:16:22
Time range: 13.50-35.50



00404

Date..... 2-JAN-1998 12:17:52.49 User: TAYLORC
Report number.....1197270252
Raw file.....DISK:[TAYLORC]4797353044.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 00:58:57
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05248 X100
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....126
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.075			1041		BV	
	5.215			1227		VV	
	5.446			3092		VB	
	5.818			1032		BV	
	6.062			361		VV	
	6.138			121		VB	
	6.439			30		BB	
	6.573			33		BB	
	6.776			78		BB	
	6.912			27		BB	
	7.066			261		BB	
	7.544			75		BB	
	7.704			131		BB	
	7.887			29		BB	
	7.999			10		BV	

	8.100			109	VV	
	8.187			58	VV	
	8.256			98	VB	
	8.431			47	BB	
	8.594			21	BB	
	8.769			65	BB	
	8.944			41	BB	
	9.111			35	BB	
	9.373			37	BB	
	9.762			2829	BB	
	10.444			36	BB	
	10.630			115	BB	
	10.932			177	BV	
	11.047			191	VV	
	11.264			110	VB	
	11.520			188	BV	
	11.722			39	VB	
	11.982			28	BB	
	12.269			389	BB	
	12.525			24	BB	
	12.752			40	BB	
	12.922			90	BV	
	13.022			107	VB	
	13.197			63	BB	
	13.361			17	BB	
CL4XYL	13.876	-2.27	0.1707	1506	BB	
	14.217			29	BB	
	14.676			127	BV	
	14.809			131	VB	
	14.960			24	BB	
	15.207			46	BV	
	15.324			60	VV	
	15.411			21	VB	
	15.600			255	BE	
	16.156			817	BV	
	16.424			208	VE	
PCB016	16.606	-0.61	0.03462	37	EV	1
	16.686			44	EB	
	16.992			291	BB	
	17.679			34	BB	
	17.807			22	BB	
	17.918			29	BB	
	18.074			122	BB	
PCB016	18.415	-2.93	0.3021	556	BB	1
	18.683			31	BV	
	18.862			350	VV	
	19.065			374	VV	
	19.265			1430	VB	
PCB016	19.651	0.53	1.435	1337	BV	1
PCB016	20.041	-0.39	0.6020	1302	VV	1
	20.410			745	VE	
PCB016	20.693	1.34	0.05599	62	EB	1
	20.927			1164	BV	
	21.134			877	VV	
	21.333			5406	VV	
	21.551			4874	VV	
	21.692			1885	VV	
	21.879			757	VV	
	22.099			652	VV	
	22.213			1025	VB	

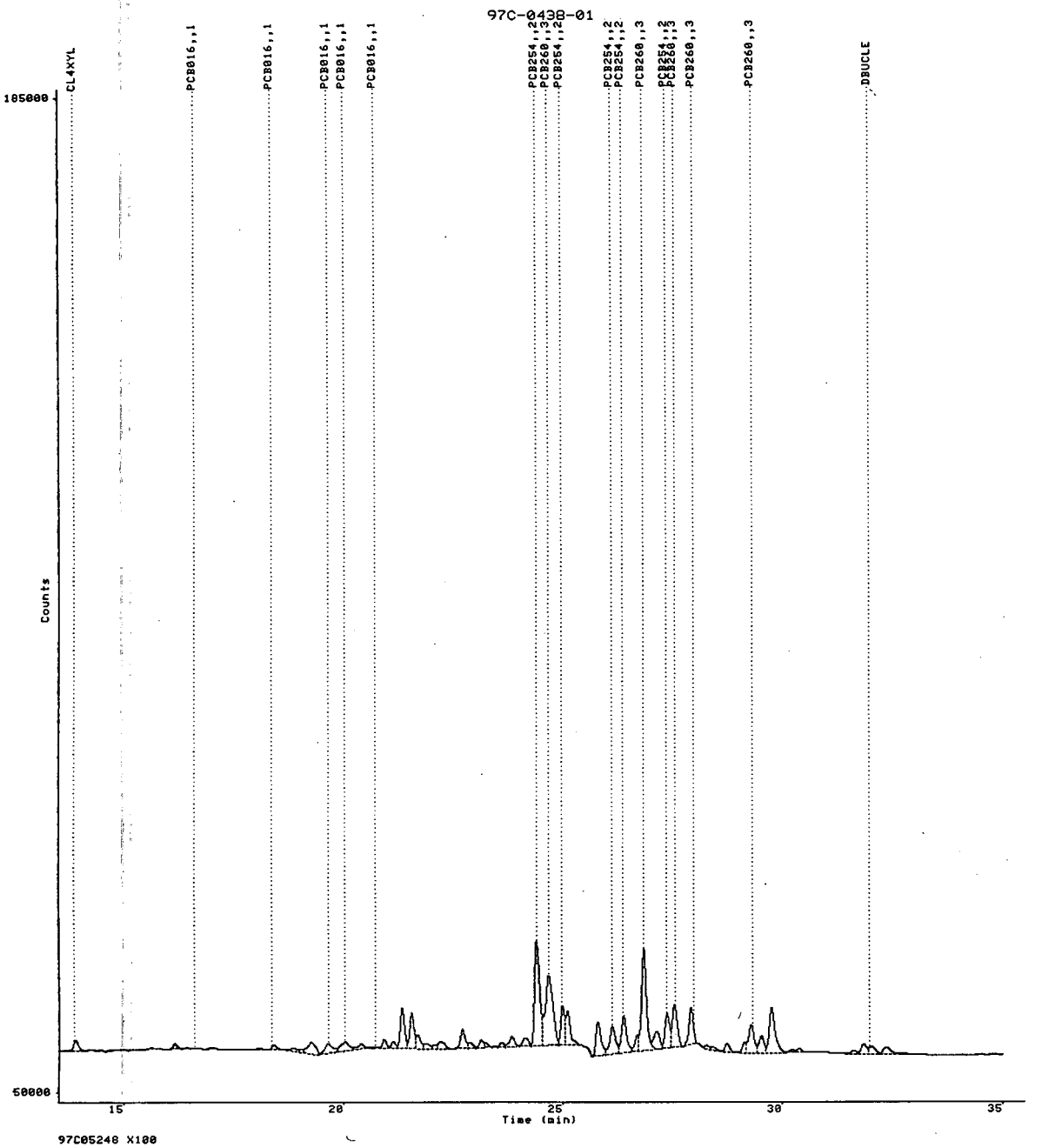
00406

	22.710			2736	BV	
	22.884			929	VV	
	23.139			1188	VV	
	23.241			730	VV	
	23.444			246	VV	
	23.603			763	VV	
	23.837			1442	VV	
	24.146			1190	VV	
PCB254	24.395	-0.29	8.910	14340	VV	2
PCB260	24.675	-0.65	20.58	9535	VV	3
PCB254	24.989	-0.68	8.525	5402	VV	2
	25.104			4567	VB	
	25.794			4617	BV	
PCB254	26.122	-0.52	7.245	3790	VV	2
PCB254	26.381	-0.83	5.584	5113	VV	2
	26.693			2353	VV	
PCB260	26.840	-0.35	25.27	13902	VE	3
	27.128			2381	EV	
PCB254	27.368	-0.76	5.117	4765	VV	2
PCB260	27.537	1.20	6.590	5878	VB	3
PCB260	27.912	3.24	5.982	5029	BB	3
	28.269			435	BV	
	28.434			334	VB	
	28.734			1118	BB	
	29.143			1420	BV	
PCB260	29.286	2.51	7.848	3762	VV	3
	29.518			2257	VV	
	29.754			6014	VB	
	30.221			347	BV	
	30.375			467	VB	
	30.608			13	BB	
	30.836			21	BB	
	31.614			378	BV	
	31.844			1275	VV	
DBUCLE	32.027	-2.65	0.9516	976	VV	
	32.351			886	VE	
	32.605			7	EB	
	33.517			23	BB	
	34.063			12	BB	
	34.175			23	BB	
	34.542			35	BB	
	34.750			23	BB	

GROUP REPORT

Group	HEIGHT
1	2.430
2	35.38
3	66.27

Data file: DISK:[TAYLORC]4797353044.RAW;1
Report: 1197270252
Acquired: 21-DEC-1997 00:58:57
Time range: 13.50-35.50



00408

Date..... 2-JAN-1998 12:17:57.86 User: TAYLORC
Report number.....1197270253
Raw file.....DISK:[TAYLORC]4797353045.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 01:41:34
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....RINSE
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....190
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
26.11	PCB254	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.441			2963			BB	
	5.812			723			BE	
	5.943			18			EB	
	6.036			157			BB	
	6.611			22			BB	
	6.913			42			BB	
	7.311			14			BB	
	8.090			57			BB	

00409

	8.844			16	BB	
	9.048			25	BV	
	9.353			28	BB	
	9.758			977	BE	
	10.081			32	BB	
	10.199			48	BB	
	10.637			38	BV	
	10.676			36	VB	
	10.854			12	BB	
	11.050			70	BV	
	11.088			48	VB	
	11.264			29	BB	
	11.465			28	BV	
	11.503			24	VB	
	11.617			29	BB	
	11.686			29	BB	
	11.837			34	BB	
	12.012			20	BB	
	12.184			38	BV	
	12.244			22	VB	
	12.439			20	BB	
	12.567			48	BV	
	12.725			38	VV	
	12.771			40	VV	
	12.887			28	VV	
	13.087			34	BV	
	13.133			30	VV	
	13.450			26	BB	
CL4XYL	13.817	1.27	5.100E-06	15	BB	
	13.942			22	BB	
	14.016			37	BV	
	14.091			31	VV	
	14.150			23	VB	
	14.208			33	BB	
	14.366			6	BB	
	14.487			35	BV	
	14.552			46	VV	
	14.685			15	VV	
	14.759			7	VV	
	14.851			11	VB	
	15.006			27	BB	
	15.278			11	BB	
	15.461			18	BB	
	15.844			17	BV	
	15.972			14	VB	
	16.108			5	BV	
	16.403			20	BB	
PCB016	16.620	-1.46	5.334E-05	19	BB	1
	16.730			19	BB	
	17.142			16	VB	
	17.185			25	BV	
	17.244			8	VB	
	17.689			6	BB	
	17.758			15	BB	
	18.071			33	BV	
	18.100			38	VV	
PCB016	18.400	-2.02	4.073E-05	25	BV	1
	18.491			12	VB	
	18.652			25	BV	
	18.764			34	VB	

	18.920			26	BB	
	18.967			20	BB	
	19.159			24	BV	
	19.243			18	VB	
	19.300			23	BB	
	19.415			19	BB	
	19.517			18	BB	
PCB016	19.629	1.88	6.426E-05	20	BB	1
	19.845			32	BV	
	19.918			21	VB	
PCB016	20.101	-4.00	2.079E-05	15	BB	1
	20.244			25	BV	
	20.396			15	VB	
PCB016	20.660	3.32	5.147E-05	19	BB	1
	20.972			16	BB	
	21.060			29	BB	
	21.152			42	BB	
	21.305			8	BB	
	21.503			16	BB	
	21.913			24	BV	
	21.969			40	VV	
	22.044			46	VV	
	22.100			35	VB	
	22.326			24	BB	
	22.585			15	BB	
	23.013			9	BB	
	23.747			17	BB	
	23.979			20	BB	
	24.077			40	BV	
	24.181			28	VB	
	24.258			27	BV	
	24.348			36	VV	
PCB254	24.398	-0.47	7.132E-05	39	VB	2
	24.575			25	BB	
PCB260	24.645	1.16	1.396E-04	22	BB	3
	24.828			21	BB	
PCB254	24.906	4.31	1.027E-04	22	BB	2
	25.143			37	BV	
	25.208			47	VB	
	25.351			51	BB	
	25.629			46	BB	
	25.885			18	BB	
PCB254	26.306	3.67	8.116E-05	25	BB	2
	26.677			32	BV	
	26.722			33	VB	
PCB260	26.897	-3.78	2.714E-05	5	BB	3
	27.107			25	BB	
PCB254	27.359	-0.23	1.186E-04	37	BV	2
	27.438			41	VV	
PCB260	27.552	0.28	2.308E-04	69	VB	3
	27.763			28	BV	
	27.837			29	VV	
PCB260	27.907	3.54	1.566E-04	44	VB	3
	28.094			39	BV	
	28.129			35	VV	
	28.180			35	VB	
	28.265			9	BB	
	28.463			20	BB	
	28.641			1	BB	
	28.805			15	BB	

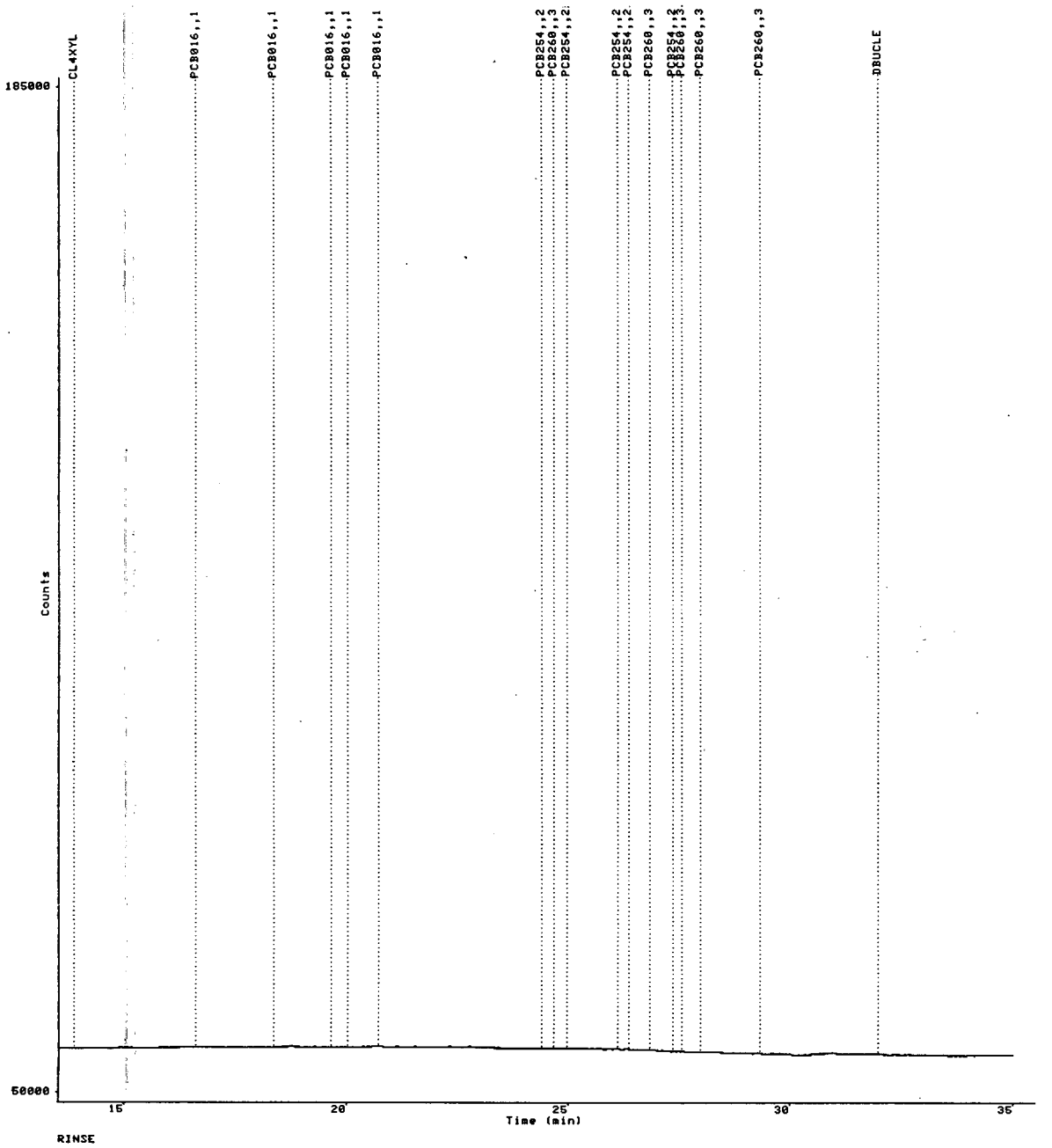
	29.118			20	BB	
PCB260	29.260	4.08	1.062E-04	17	BB	3
	29.579			20	BB	
	29.701			22	BV	
	29.796			21	VB	
	30.339			25	BB	
	30.685			53	BV	
	30.811			32	VV	
	30.858			21	VB	
	31.672			12	BB	
	31.885			31	BV	
DBUCLE	31.966	1.02	6.442E-05	22	VB	
	32.366			46	VB	
	33.415			11	BB	
	33.612			13	BB	
	33.805			29	BV	
	33.880			27	VB	
	34.223			16	BB	
	34.425			23	BB	
	34.681			28	BB	
	34.840			4	BB	

GROUP REPORT

Group	HEIGHT
1	2.306E-04
2	3.737E-04
3	6.604E-04

60412

Data file: DISK:[TAYLORC]4797353045.RAW;1
Report: 1197270253
Acquired: 21-DEC-1997 01:41:34
Time range: 13.50-35.50



00413

Date..... 2-JAN-1998 12:18:07.65 User: TAYLORC
Report number.....1197270255
Raw file.....DISK:[TAYLORC]4797353047.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 03:06:48
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....142
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.044			314714		BE	
	5.172			20775		EB	
	5.299			54448		BB	
	5.498			3554		BB	
	5.654			54831		BV	
	5.805			17864		VV	
	5.917			36246		VV	
	6.014			22060		VV	
	6.083			38208		VV	
	6.253			11875		VV	
	6.359			14146		VV	
	6.427			16473		VB	
	6.606			53924		BV	
	6.737			15011		VV	
	6.833			12021		VB	

00414

	7.122			56835	BV	
	7.247			17532	VV	
	7.534			9062	VB	
	7.698			16430	BE	
	7.806			1656	EV	
	7.958			4809	VV	
	8.051			18135	VV	
	8.195			12207	VV	
	8.245			11125	VB	
	8.488			3536	BB	
	8.651			3610	BB	
	8.776			837	BB	
	8.887			4523	BV	
	8.979			4772	VV	
	9.069			4088	VV	
	9.178			8885	VB	
	9.416			7931	BV	
	9.532			7500	VV	
	9.591			7934	VV	
	9.697			6107	VV	
	9.852			5013	VV	
	10.005			7641	VV	
	10.111			6427	VV	
	10.325			6063	VV	
	10.399			7130	VV	
	10.558			6412	VV	
	10.600			6590	VB	
	10.944			4891	BV	
	11.231			2668	VB	
	11.510			7925	BV	
	11.690			2104	VV	
	11.784			1369	VB	
	11.974			3065	BV	
	12.249			17712	VE	
	12.480			4052	EV	
	12.740			2147	VV	
	12.892			2245	VV	
	12.992			2965	VB	
	13.179			4095	BV	
	13.323			2972	VV	
	13.501			4924	VV	
CL4XYL	13.861	-1.38	18.15	156229	VE	
	14.206			5387	EV	
	14.429			3610	EB	
	14.700			4025	BV	
	14.819			5965	VV	
	14.944			3271	VV	
	15.267			3993	VV	
	15.407			3151	VV	
	15.572			13552	VV	
	15.825			4254	VV	
	16.140			36321	VV	
	16.412			11145	VV	
PCB016	16.628	-1.95	4.482	4759	VV	1
	16.971			9395	VV	
	17.249			2728	VV	
	17.474			1719	VV	
	17.653			2524	VV	
	17.836			2923	VV	
	17.929			3467	VV	

	18.069				5007	VV	
PCB016	18.395	-1.77	8.139		14713	VE	1
	18.848				3303	EV	
	19.256				19796	VV	
	19.474				11390	VV	
PCB016	19.632	1.70	20.40		18450	VV	1
PCB016	20.019	0.88	11.46		24324	VV	1
	20.393				12103	VV	
PCB016	20.695	1.19	4.533		4981	VV	1
	20.808				5722	VV	
	20.919				11415	VV	
	21.115				6492	VV	
	21.318				75345	VV	
	21.537				58827	VV	
	21.691				36479	VV	
	21.862				16207	VV	
	22.096				9822	VV	
	22.284				19440	VV	
	22.698				45746	VV	
	22.878				18811	VV	
	23.133				37248	VV	
	23.218				24054	VV	
	23.441				10454	VV	
	23.596				21564	VV	
	23.804				54999	VV	
	24.111				39649	VV	
PCB254	24.399	-0.52			252005	VV	2
	24.568				185097	VV	
PCB260	24.636	1.68			206615	VV	3
PCB254	24.975	0.21			120605	VV	2
	25.111				170683	VE	
	25.404				9121	EV	
	25.637				1202	VV	
	25.790				61454	VV	
PCB254	26.106	0.45	246.3	+	83787	VV	2
PCB254	26.367	0.03	142.8	+	100919	VV	2
	26.673				61502	VV	
PCB260	26.821	0.76	682.3	+	330559	VE	3
	27.106				54120	EV	
PCB254	27.342	0.77	202.8	+	150640	VV	2
PCB260	27.531	1.58	180.1	+	137764	VV	3
PCB260	27.899	4.04	211.1	+	162060	VV	3
	28.090				41474	VV	
	28.263				23859	VV	
	28.402				27548	VV	
	28.721				42743	VV	
	29.111				55145	VV	
PCB260	29.276	3.12	223.1	+	102831	VV	3
	29.507				77235	VV	
	29.739				208142	VE	
	30.213				20474	EV	
	30.364				19520	EV	
	30.573				6286	VV	
	30.839				2662	VV	
	31.019				856	VB	
	31.606				15618	BV	
	31.828				54303	VV	
DBUCLE	31.991	-0.48	46.68		50649	VV	
	32.333				37274	VE	
	32.780				3874	EV	

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33.211	2317	VV
33.432	832	VB
33.693	81	BB
33.924	614	BV
34.043	645	VB
34.507	1161	BB
34.740	732	BB

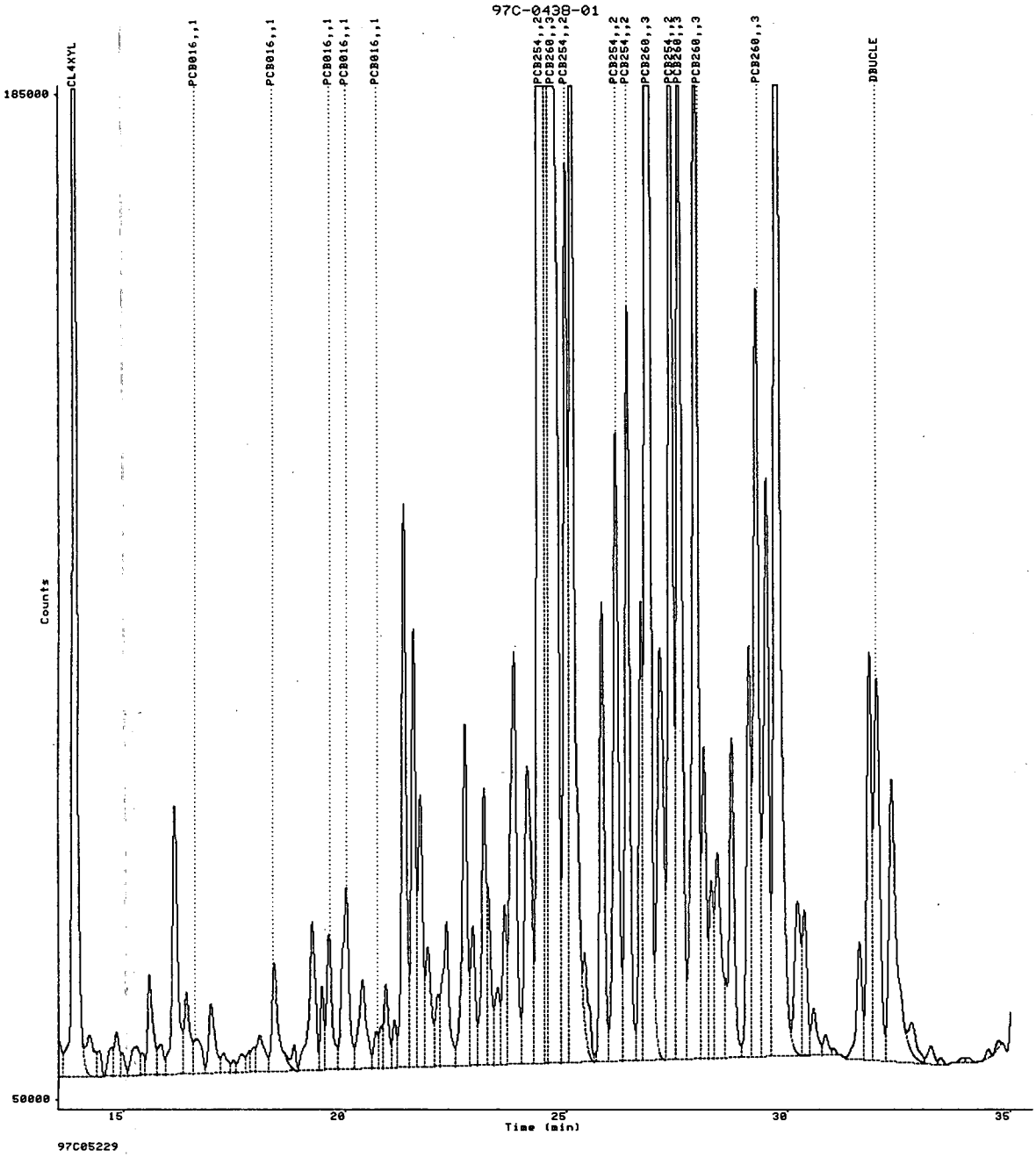
GROUP REPORT

Group	HEIGHT
1	49.01
2	591.9
3	1297

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353047.RAW;1
Report: 1197270255
Acquired: 21-DEC-1997 03:06:48
Time range: 13.50-35.50



00418

Date..... 2-JAN-1998 12:18:12.41 User: TAYLORC
Report number.....1197270256
Raw file.....DISK:[TAYLORC]4797353048.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 03:49:22
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229MS
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....138
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.044			372970		BE	
	5.176			27934		EB	
	5.305			73287		BB	
	5.499			3740		BB	
	5.655			71810		BV	
	5.800			21872		VV	
	5.919			45157		VV	
	6.014			27157		VV	
	6.083			47672		VV	
	6.251			14057		VV	
	6.361			19470		VV	
	6.428			20091		VB	
	6.607			67809		BV	
	6.736			17008		VV	
	6.834			16166		VB	

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	7.122			69242	BV	
	7.248			21025	VV	
	7.533			10663	VB	
	7.697			22904	BV	
	7.951			7360	VV	
	8.051			22246	VV	
	8.196			13190	VV	
	8.247			13257	VB	
	8.488			4176	BB	
	8.651			4808	BV	
	8.770			1736	VB	
	8.895			4961	BV	
	8.920			5038	VB	
	9.179			10274	BB	
	9.416			9791	BV	
	9.535			9361	VV	
	9.592			10507	VV	
	9.697			7852	VV	
	9.843			6336	VV	
	10.007			10487	VV	
	10.109			8406	VV	
	10.321			7433	VV	
	10.398			8970	VV	
	10.571			8402	VB	
	10.942			6896	BV	
	11.228			5822	VV	
	11.328			2808	VV	
	11.508			10954	VE	
	11.692			1594	EB	
	11.969			3952	BV	
	12.248			28650	VE	
	12.476			5477	EV	
	12.736			3979	VV	
	12.889			3637	VV	
	12.984			4314	VB	
	13.178			5808	BV	
	13.322			4609	VV	
	13.498			6987	VV	
CL4XYL	13.859	-1.27	19.21	165058	VE	
	14.205			8589	EV	
	14.426			5201	EV	
	14.700			5760	VV	
	14.817			8044	VV	
	14.949			4675	VV	
	15.197			6251	VV	
	15.297			9057	VV	
	15.571			20306	VV	
	15.828			6434	VV	
	15.952			4779	VV	
	16.138			55153	VV	
	16.303			15970	VV	
	16.403			15297	VV	
PCB016	16.598	-0.10	37.04	37497	VV	1
	16.966			14441	VV	
	17.252			4207	VV	
	17.463			2852	VV	
	17.662			3598	VV	
	17.830			4300	VV	
	18.066			12220	VV	
PCB016	18.393	-1.59	40.37	67568	VE	1

	18.855				9263	EV	
	19.300				32272	VV	
	19.472				25053	VV	
PCB016	19.640	1.19	60.49		51220	VV	1
PCB016	20.015	1.16	46.78		93304	VE	1
	20.381				20405	EV	
PCB016	20.686	1.72	36.40		37806	VV	1
	20.916				21071	VV	
	21.119				11733	VV	
	21.312				116405	VV	
	21.536				88620	VV	
	21.691				58701	VV	
	21.850				30204	VV	
	22.278				26587	VV	
	22.696				85454	VV	
	22.880				35328	VV	
	23.130				57639	VV	
	23.231				46162	VV	
	23.444				29110	VV	
	23.596				34395	VV	
	23.800				84526	VV	
	24.099				60493	VV	
PCB254	24.394	-0.23			313949	VV	2
PCB260	24.638	1.57			258784	VV	3
PCB254	24.974	0.25			144485	VV	2
	25.111				206253	VE	
	25.405				11680	EV	
	25.637				5182	EV	
	25.787				79678	VV	
PCB254	26.104	0.54			111449	VV	2
PCB254	26.366	0.06	200.4	+	124037	VV	2
	26.673				75286	VV	
PCB260	26.820	0.81	869.4	+	404909	VE	3
	27.109				69760	EV	
PCB254	27.341	0.84	264.3	+	180807	VV	2
PCB260	27.530	1.59	250.2	+	178517	VV	3
PCB260	27.898	4.05	276.7	+	205900	VE	3
	28.091				38710	EV	
	28.261				29467	EV	
	28.402				36998	VV	
	28.719				57734	VV	
	29.110				66621	VV	
PCB260	29.278	3.00	285.8	+	130202	VV	3
	29.505				95022	VV	
	29.737				252746	VE	
	30.201				27475	EV	
	30.364				22571	EV	
	30.572				7119	VV	
	30.840				4676	VE	
	31.017				512	EB	
	31.605				25519	BV	
	31.828				61545	VV	
DBUCLE	32.000	-1.04	49.92		54367	VV	
	32.332				55399	VE	
	32.774				6478	EV	
	33.208				2302	VV	
	33.439				663	VB	
	33.704				234	BV	
	33.926				1139	VB	
	34.312				25	BB	

34.514	3410	BV
34.747	2275	VV
34.826	2048	VB

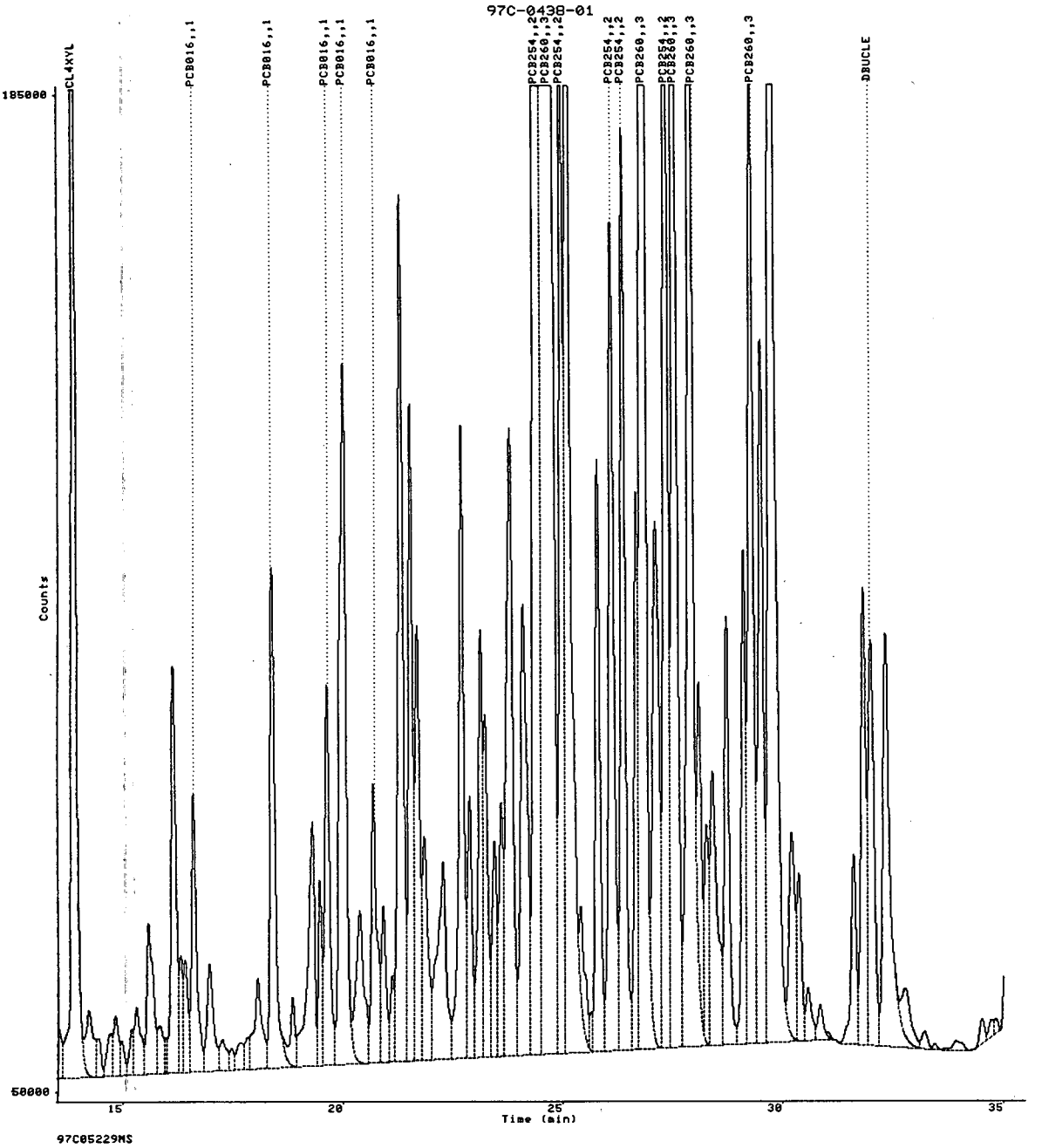
GROUP REPORT

Group	HEIGHT
1	221.1
2	464.6
3	1682

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353048.RAW;1
Report: 1197270256
Acquired: 21-DEC-1997 03:49:22
Time range: 13.50-35.50



00423

Date..... 2-JAN-1998 12:18:18.15 User: TAYLORC
Report number.....1197270257
Raw file.....DISK:[TAYLORC]4797353049.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 04:31:59
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05229MSD
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....135
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.042			209638		BE	
	5.175			12041		EB	
	5.292			34990		BB	
	5.496			1803		BB	
	5.653			38600		BV	
	5.799			11995		VB	
	5.919			22770		BV	
	6.011			13635		VV	
	6.081			25630		VV	
	6.247			5595		VB	
	6.360			9032		BV	
	6.428			9932		VB	
	6.606			40259		BE	
	6.733			5481		EV	
	6.832			8388		EB	

970424

	7.118			45072	BV	
	7.247			13034	VV	
	7.531			7680	VB	
	7.697			25227	BV	
	7.945			7492	VV	
	8.051			15440	VV	
	8.195			10580	VV	
	8.252			12539	VV	
	8.483			5723	VV	
	8.651			5984	VV	
	8.767			3381	VB	
	8.928			5315	BV	
	9.178			8131	VB	
	9.415			7695	BV	
	9.530			8197	VV	
	9.590			8544	VV	
	9.699			6900	VV	
	9.837			5804	VV	
	10.047			7524	VV	
	10.401			7576	VV	
	10.600			8159	VB	
	10.937			6470	BV	
	11.230			6894	VV	
	11.326			4726	VV	
	11.504			12771	VV	
	11.696			5116	VV	
	11.967			4966	VV	
	12.247			20046	VV	
	12.468			5311	VV	
	12.738			2708	VV	
	12.891			2820	VV	
	12.988			3326	VB	
	13.179			4723	BV	
	13.326			3867	VV	
	13.493			5107	VV	
CL4XYL	13.859	-1.26	18.09	155738	VE	
	14.204			7594	EV	
	14.426			4134	EB	
	14.817			5935	BV	
	14.947			3122	VV	
	15.193			4556	VV	
	15.298			7239	VV	
	15.570			20605	VE	
	15.831			2884	EV	
	16.138			38178	VV	
	16.306			12265	VV	
	16.406			12066	VV	
PCB016	16.599	-0.17	33.20	33808	VV	1
	16.966			10680	VE	
	17.251			1521	EB	
	17.474			492	BB	
	17.661			1338	BV	
	17.835			1738	VV	
	18.065			8929	VV	
PCB016	18.393	-1.64	36.00	60903	VB	1
	18.855			5343	BE	
	18.988			293	EB	
	19.301			25804	BV	
	19.473			18937	VV	
PCB016	19.644	0.95	47.68	41251	VV	1

PCB016	20.014	1.18	39.91		80604	VE	1
	20.391				11232	EV	
PCB016	20.686	1.73	29.83		31349	VV	1
	20.918				15165	VV	
	21.114				7356	VV	
	21.314				101334	VV	
	21.536				77207	VV	
	21.692				50525	VV	
	21.849				22327	VV	
	22.096				9624	VV	
	22.279				21001	VV	
	22.697				74064	VV	
	22.880				29188	VV	
	23.132				47141	VV	
	23.230				38923	VV	
	23.448				16553	VV	
	23.598				27431	VV	
	23.810				64146	VV	
	24.100				51276	VV	
PCB254	24.395	-0.32			285432	VV	2
PCB260	24.639	1.52			236452	VV	3
PCB254	24.974	0.24			129828	VV	2
	25.111				183818	VE	
	25.403				9853	EV	
	25.634				2872	EV	
	25.787				71141	VV	
PCB254	26.106	0.41	261.6	+	85939	VV	2
PCB254	26.367	0.01	170.4	+	113275	VV	2
	26.672				67131	VV	
PCB260	26.821	0.79	777.8	+	369394	VE	3
	27.108				62583	EV	
PCB254	27.340	0.88	233.9	+	166814	VV	2
PCB260	27.531	1.54	219.0	+	161234	VV	3
PCB260	27.897	4.11	250.1	+	188495	VE	3
	28.092				33561	EV	
	28.263				26011	EV	
	28.409				24625	VV	
	28.566				12189	VV	
	28.719				51830	VV	
	29.109				59318	VV	
PCB260	29.277	3.07	261.0	+	119483	VV	3
	29.505				87377	VV	
	29.735				230686	VE	
	30.201				25277	EV	
	30.362				20573	EV	
	30.571				6414	VV	
	30.840				4214	VE	
	31.015				444	EB	
	31.605				24457	BV	
	31.829				56792	VV	
DBUCLE	31.999	-0.97	47.84		51979	VV	
	32.333				52579	VE	
	32.775				5842	EV	
	33.209				2240	VV	
	33.435				694	VB	
	33.704				61	BB	
	33.927				477	BB	
	34.513				3245	BV	
	34.744				2084	VV	
	34.826				1901	VB	

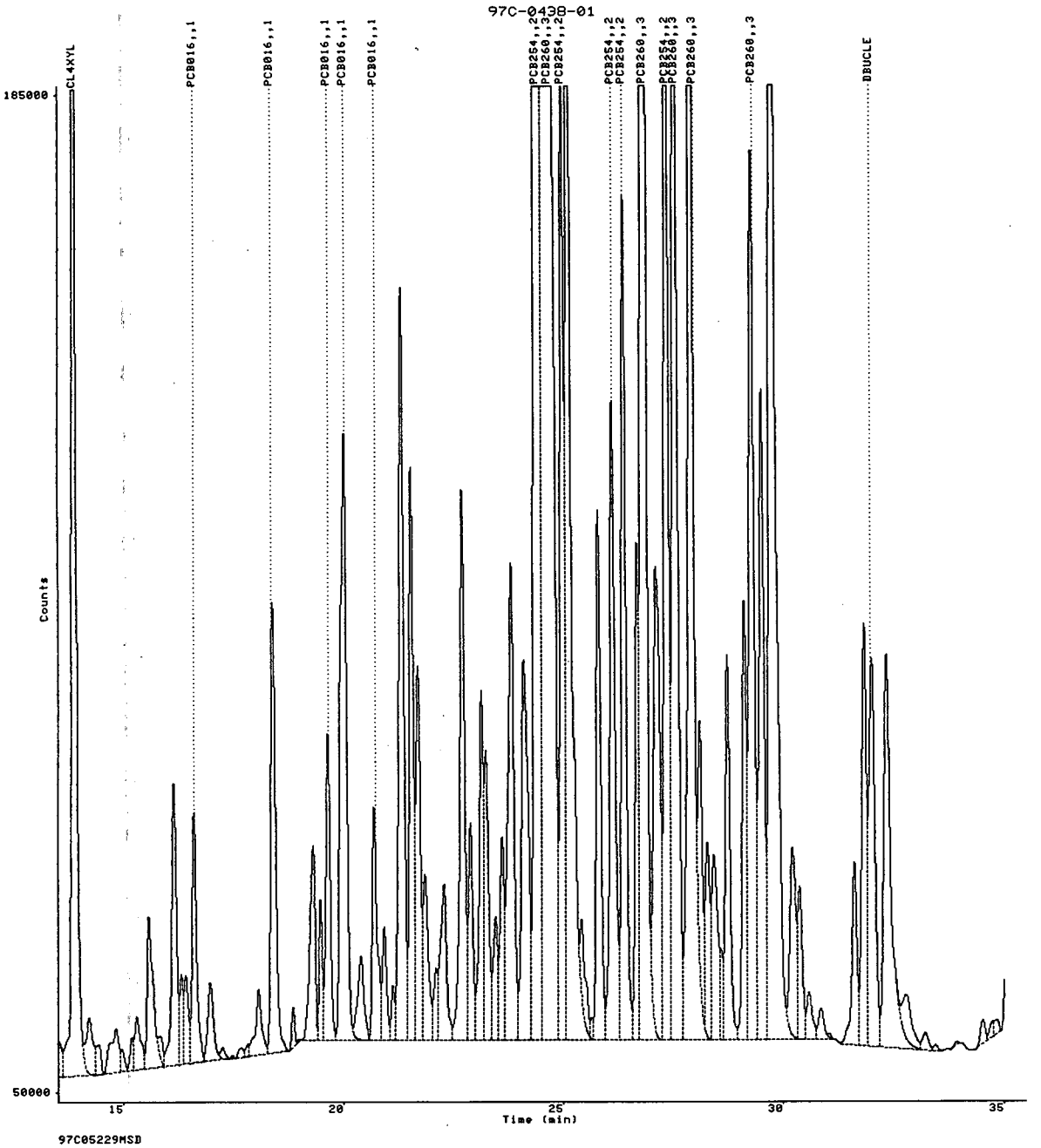
GROUP REPORT

Group	HEIGHT
1	186.6
2	666.0
3	1508

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353049.RAW;1
Report: 1197270257
Acquired: 21-DEC-1997 04:31:59
Time range: 13.50-35.50



00428

Date..... 2-JAN-1998 12:18:22.98 User: TAYLORC
Report number.....1197270258
Raw file.....DISK:[TAYLORC]4797353050.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....11

Acq. date.....21-DEC-1997 05:14:35
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05230
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min
Area reject.....40 count(s)
Noise threshold.....4.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....6.00 sec

Delay time.....5.000 min
No. peaks found.....135
Area threshold.....48
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Force

Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.046			172069		BE	
	5.173			14695		EV	
	5.291			34257		VV	
	5.314			36822		VB	
	5.493			2022		BB	
	5.653			29579		BV	
	5.725			15052		VV	
	5.788			13909		VV	
	5.921			18682		VV	
	6.012			13344		VV	
	6.079			27912		VE	
	6.239			5879		EV	
	6.359			13773		VV	
	6.428			10618		VB	
	6.609			40946		BE	

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	6.831			8936	EB	
	6.966			2230	BV	
	7.114			43497	VV	
	7.251			12703	VV	
	7.529			6110	VB	
	7.694			19362	BV	
	7.938			7759	VV	
	8.051			12443	VV	
	8.195			7804	VV	
	8.256			14000	VV	
	8.471			5004	VV	
	8.653			5990	VV	
	8.768			3889	VB	
	8.927			2154	BB	
	9.108			3520	BV	
	9.171			5573	VB	
	9.413			7656	BV	
	9.525			7703	VV	
	9.592			8515	VV	
	9.711			6822	VV	
	9.841			5937	VV	
	10.007			9398	VV	
	10.424			7439	VV	
	10.589			8623	VB	
	10.929			5456	BV	
	11.234			6854	VV	
	11.330			4345	VV	
	11.500			19765	VE	
	11.685			3380	EV	
	11.953			4300	VV	
	12.244			35160	VE	
	12.471			4282	EV	
	12.586			5481	EV	
	12.724			4159	VV	
	12.892			2978	VV	
	12.980			3268	VB	
	13.225			7232	BV	
	13.340			7414	VV	
	13.501			4861	VV	
	13.555			4871	VV	
	13.716			7598	VV	
CL4XYL	13.855	-1.00	13.09	113490	VE	
	14.201			19720	EV	
	14.430			5845	EV	
	14.663			7334	VV	
	14.832			10534	VV	
	15.187			10591	VV	
	15.297			14890	VV	
	15.564			89787	VV	
	16.134			73673	VV	
	16.295			20117	VV	
	16.411			30380	VV	
PCB016	16.643	-2.79	20.97	21745	VV	1
	16.959			44723	VE	
	17.259			7692	EV	
	17.484			8891	EV	
	17.642			9157	VV	
	17.937			17968	VV	
	18.063			53394	VV	
PCB016	18.407	-2.45	41.39	69096	VV	1

	18.862				58255	VV	
	19.275				79422	VV	
	19.469				111139	VV	
PCB016	19.626	2.01	133.3		98914	VV	1
PCB016	20.017	1.00	41.59		83742	VV	1
	20.399				63410	VV	
PCB016	20.651	3.85	36.30		37704	VV	1
	20.918				147089	VV	
	21.121				100103	VV	
	21.318				434941	VV	
	21.537				395054	VV	
	21.678				252370	VV	
	21.874				76344	VV	
	22.090				49683	VV	
	22.232				100439	VV	
	22.695				295350	VV	
	22.881				116619	VV	
	23.131				141738	VV	
	23.233				113422	VV	
	23.427				59687	VV	
	23.596				98057	VV	
	23.814				190313	VV	
	24.091				189267	VV	
PCB254	24.382	0.51			654608	VV	2
PCB260	24.653	0.64			401339	VV	3
PCB254	24.977	0.08			288609	VV	2
	25.112				271537	VV	
	25.243				121327	VV	
	25.397				54590	VV	
	25.637				42604	VV	
	25.785				233318	VV	
PCB254	26.108	0.32			207030	VV	2
PCB254	26.366	0.05			263943	VV	2
	26.671				142582	VV	
PCB260	26.823	0.64			794091	VE	3
	27.118				132813	EV	
PCB254	27.339	0.95			361094	VV	2
PCB260	27.531	1.58	435.6	+	251653	VV	3
PCB260	27.896	4.22	388.1	+	273360	VE	3
	28.092				39544	EV	
	28.254				56125	EV	
	28.413				51964	VV	
	28.719				78929	VV	
	29.108				129024	VV	
PCB260	29.276	3.09	414.1	+	184131	VV	3
	29.505				144198	VV	
	29.736				332323	VE	
	30.212				31712	EV	
	30.368				32628	EV	
	30.559				11124	VV	
	30.834				8562	VV	
	31.606				24500	VV	
	31.827				87692	VV	
DBUCLE	31.998	-0.92	48.53		52774	VV	
	32.335				48637	VE	
	32.759				3729	EV	
	33.227				2240	EB	
	33.935				1128	BB	
	34.514				1455	BV	
	34.732				2514	VB	

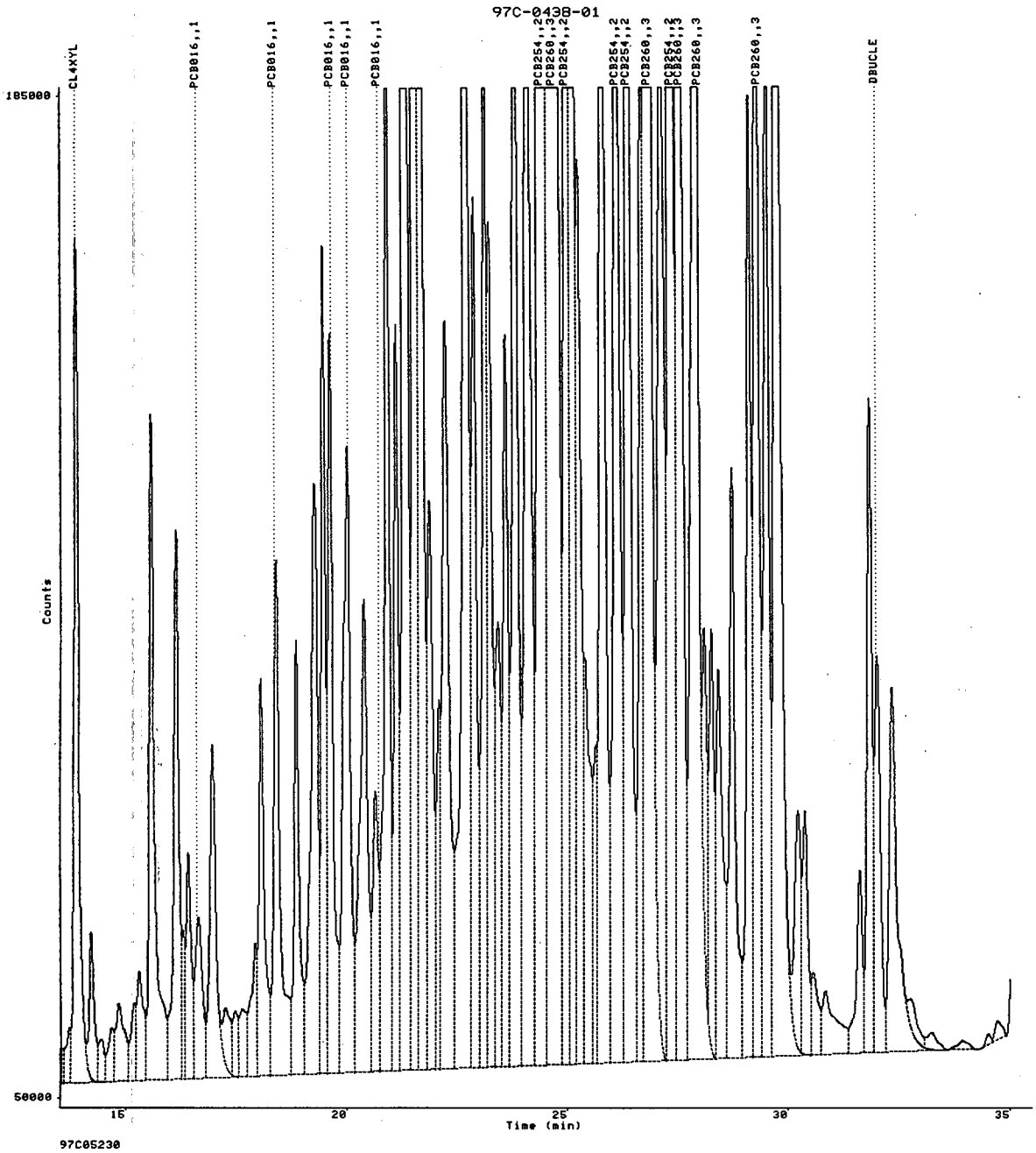
GROUP REPORT

Group	HEIGHT
1	273.5
3	1238

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353050.RAW;1
Report: 1197270258
Acquired: 21-DEC-1997 05:14:35
Time range: 13.50-35.50



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Date..... 2-JAN-1998 12:18:27.89 User: TAYLORC
Report number.....1197270259
Raw file.....DISK:[TAYLORC]4797353051.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 05:57:12
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05231
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....137
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
16.60	PCB016	1	
24.66	PCB260	3	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.073			84716		BE	
	5.224			9569		EV	
	5.289			7495		EV	
	5.328			7598		EV	
	5.459			1718		VB	
	5.653			6538		BV	
	5.730			3226		VV	

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	5.784			2841	VV
	5.924			4347	VV
	6.007			2758	VV
	6.078			5305	VV
	6.226			1966	VB
	6.359			1081	BB
	6.444			1217	BB
	6.609			9795	BE
	6.826			1936	EB
	6.963			612	BV
	7.119			5721	VV
	7.269			1693	VB
	7.456			295	BV
	7.534			1049	VB
	7.697			5328	BE
	7.951			557	EV
	8.051			1353	VV
	8.254			973	VV
	8.440			1099	VV
	8.666			887	VB
	8.990			4150	BV
	9.170			2017	VB
	9.411			1371	BV
	9.548			1726	VB
	9.943			280	BV
	10.081			788	VV
	10.234			541	VV
	10.367			1408	VV
	10.564			1858	VB
	10.889			591	BB
	11.227			626	BV
	11.337			365	VV
	11.510			1030	VB
	11.705			270	BB
	11.979			822	BV
	12.256			2073	VV
	12.528			876	VV
	12.738			515	VV
	12.899			372	VV
	13.010			375	VB
	13.181			580	BB
	13.329			244	BV
	13.480			165	VB
CL4XYL	13.868	-1.79	18.27	157255	BE
	14.428			819	EB
	14.723			901	BV
	14.959			601	VV
	15.210			722	VV
	15.293			763	VV
	15.411			672	VV
	15.572			2497	VV
	15.824			894	VB
	16.147			9439	BE
	16.433			1163	EV
	16.697			731	EB
	17.002			197	BB
	17.248			82	BB
	17.499			275	BV
	17.675			718	VV
	17.941			4275	VV

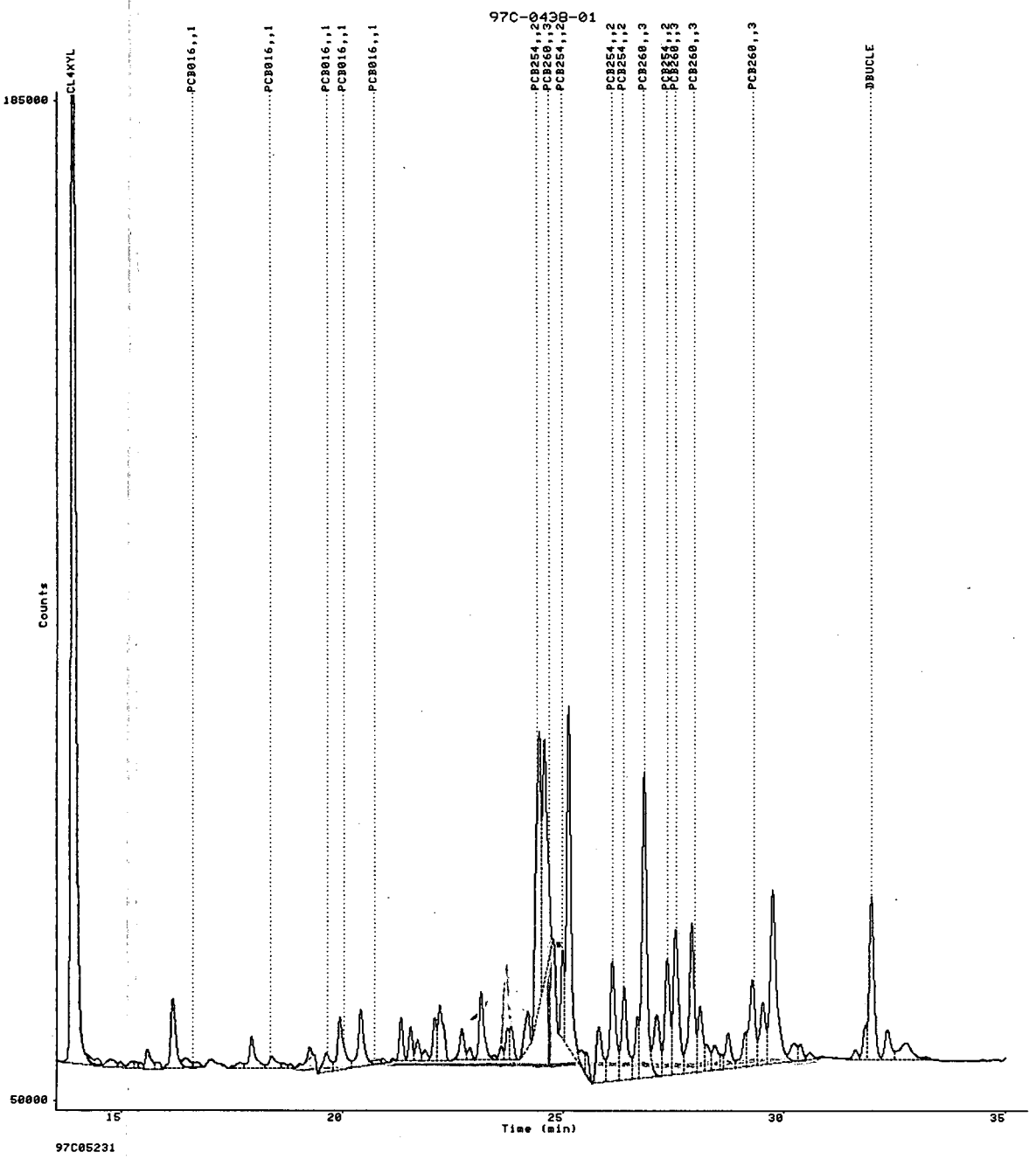
PCB016	18.402	-2.15	0.8509	1564	VV	1
	18.654			659	VV	
	18.826			501	VB	
	19.049			237	BB	
	19.256			1575	BB	
PCB016	19.638	1.30	2.803	2606	BV	1
PCB016	19.935	5.93	3.373	7262	VV	1
	20.412			7785	VE	
PCB016	20.806	-5.48	0.5495	608	EV	1
	20.924			639	EB	
	21.140			373	BB	
	21.324			5761	BV	
	21.538			4551	VV	
	21.704			2718	VV	
	21.872			1384	VV	
	22.086			5781	VV	
	22.200			7319	VB	
	22.701			4213	BV	
	22.880			1657	VV	
	23.138			9203	VE	
	23.430			503	EV	
	23.596			1876	VV	
	23.736			4277	VV	
	23.812			4506	VB	
	24.191			4819	BB	
PCB254	24.450	-3.60	23.37	36423	BV	2
	24.564			32398	VB	
PCB254	24.982	-0.23	19.50	12122	BV	2
	25.114			45853	VE	
	25.412			2163	EV	
	25.522			3052	EB	
	25.800			7510	BV	
PCB254	26.112	0.06	32.03	16147	VV	2
PCB254	26.371	-0.23	13.71	12383	VV	2
	26.677			8347	VV	
PCB260	26.829	0.29	75.18	40990	VE	3
	27.109			8025	EV	
PCB254	27.350	0.30	16.99	15630	VV	2
PCB260	27.536	1.27	22.10	19461	VV	3
PCB260	27.903	3.81	24.08	20088	VV	3
	28.091			8770	VV	
	28.248			3618	VV	
	28.427			3363	VV	
	28.576			2107	VV	
	28.726			4794	VV	
	29.126			4705	VV	
PCB260	29.276	3.10	24.20	11568	VV	3
	29.515			8583	VV	
	29.741			23295	VE	
	30.220			2326	EV	
	30.360			2228	EV	
	30.582			1050	VV	
	30.846			394	VE	
	31.036			56	EB	
	31.176			33	BB	
	31.608			1184	BV	
	31.831			4475	VV	
DBUCLE	31.975	0.50	20.66	21716	VV	
	32.333			3976	VV	
	32.751			2204	VE	

33.204	303	EB
33.749	2	BB
34.045	26	BB
34.292	26	BV
34.496	175	VB
34.738	73	BB

GROUP REPORT

Group	HEIGHT
1	7.577
2	105.6
3	145.6

Data file: DISK:[TAYLORC]4797353051.RAW;1
Report: 1197270259
Acquired: 21-DEC-1997 05:57:12
Time range: 13.50-35.50



Date..... 2-JAN-1998 12:18:32.55 User: TAYLORC
Report number.....1197270260
Raw file.....DISK:[TAYLORC]4797353052.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 06:39:46
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05232
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....134
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.055			30879		BE	
	5.171			4544		EV	
	5.218			6277		EV	
	5.283			8728		VV	
	5.387			4199		VV	
	5.453			4465		VB	
	5.653			3152		BV	
	5.819			5748		VV	
	5.923			5936		VV	
	6.000			4030		VV	
	6.077			7109		VB	
	6.245			691		BB	
	6.362			2370		BV	
	6.435			1938		VB	
	6.611			8673		BE	

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	6.819			1295	EB	
	7.074			37406	BE	
	7.362			3909	EV	
	7.532			5184	EB	
	7.698			15981	BE	
	7.931			2816	EV	
	8.056			4451	VV	
	8.106			4564	VV	
	8.264			9383	VV	
	8.435			4101	VV	
	8.564			2862	VV	
	8.671			3812	VV	
	8.764			3921	VB	
	8.923			6932	BV	
	9.112			11628	VB	
	9.422			3617	BV	
	9.523			3158	VV	
	9.595			2763	VB	
	9.757			1059	BB	
	10.019			2559	BB	
	10.426			4037	BV	
	10.589			4474	VB	
	10.918			5418	BV	
	11.234			5859	VV	
	11.502			24110	VE	
	11.685			3752	EV	
	11.952			4725	VV	
	12.245			19555	VV	
	12.485			6654	VV	
	12.586			6892	VV	
	12.788			8648	VV	
	12.888			6687	VV	
	12.987			6991	VV	
	13.171			8806	VV	
	13.355			15844	VV	
	13.714			11693	VV	
CL4XYL	13.856	-1.10	13.57	117561	VV	
	14.203			62901	VE	
	14.446			10600	EV	
	14.654			14530	EV	
	14.836			17201	VV	
	14.954			16098	VV	
	15.146			18581	VV	
	15.316			20812	VV	
	15.568			189562	VE	
	15.873			24925	EV	
	16.136			60735	VV	
	16.310			34995	VV	
	16.404			33990	VV	
PCB016	16.643	-2.82	28.85	29567	VV	1
	16.968			43261	VV	
	17.365			30788	VV	
	17.494			34571	VV	
	17.942			57455	VV	
	18.056			43524	VV	
PCB016	18.398	-1.92	36.81	62148	VV	1
	18.859			55054	VV	
	19.027			36782	VV	
	19.268			143358	VV	
	19.472			90505	VV	

PCB016	19.632	1.71	118.0		90166	VV	1
	19.810				48651	VV	
PCB016	20.022	0.74	50.52		100083	VV	1
	20.297				70849	VV	
	20.413				124602	VV	
PCB016	20.640	4.52	142.2	+	119195	VV	1
	20.804				62733	VV	
	20.922				112503	VV	
	21.124				87708	VV	
	21.321				306299	VV	
	21.542				250899	VV	
	21.684				181889	VV	
	21.897				134637	VV	
	22.085				111370	VV	
	22.214				149409	VV	
	22.700				249857	VV	
	22.884				140916	VV	
	23.134				131714	VV	
	23.241				141039	VV	
	23.391				113728	VV	
	23.596				175606	VV	
	23.819				200191	VV	
	24.097				188468	VV	
PCB254	24.405	-0.91			550752	VV	2
	24.562				320193	VV	
PCB260	24.651	0.77			407766	VV	3
PCB254	24.979	-0.06			314191	VV	2
	25.117				383932	VV	
	25.414				137733	VV	
	25.645				121306	VV	
	25.787				228203	VV	
PCB254	26.115	-0.13			259642	VV	2
PCB254	26.372	-0.30			279013	VV	2
	26.676				184878	VV	
PCB260	26.827	0.43	1741	+	659071	VE	3
	27.144				150042	EV	
PCB254	27.341	0.82			315816	VV	2
PCB260	27.533	1.46	433.8	+	251189	VV	3
PCB260	27.897	4.14	364.5	+	259805	VV	3
	28.093				108202	VV	
	28.252				89494	VV	
	28.416				114004	VV	
	28.587				63189	VV	
	28.719				99882	VV	
	29.108				117482	VV	
PCB260	29.279	2.97	371.7	+	166635	VV	3
	29.505				124120	VV	
	29.737				277301	VE	
	30.211				35072	EV	
	30.369				36646	EV	
	30.832				15949	VV	
	31.607				24450	VV	
	31.829				73752	VV	
DBUCLE	31.994	-0.67	40.39		43494	VV	
	32.336				39949	VB	
	33.246				3384	EB	
	33.926				1361	BB	
	34.505				912	BV	
	34.728				1921	VB	

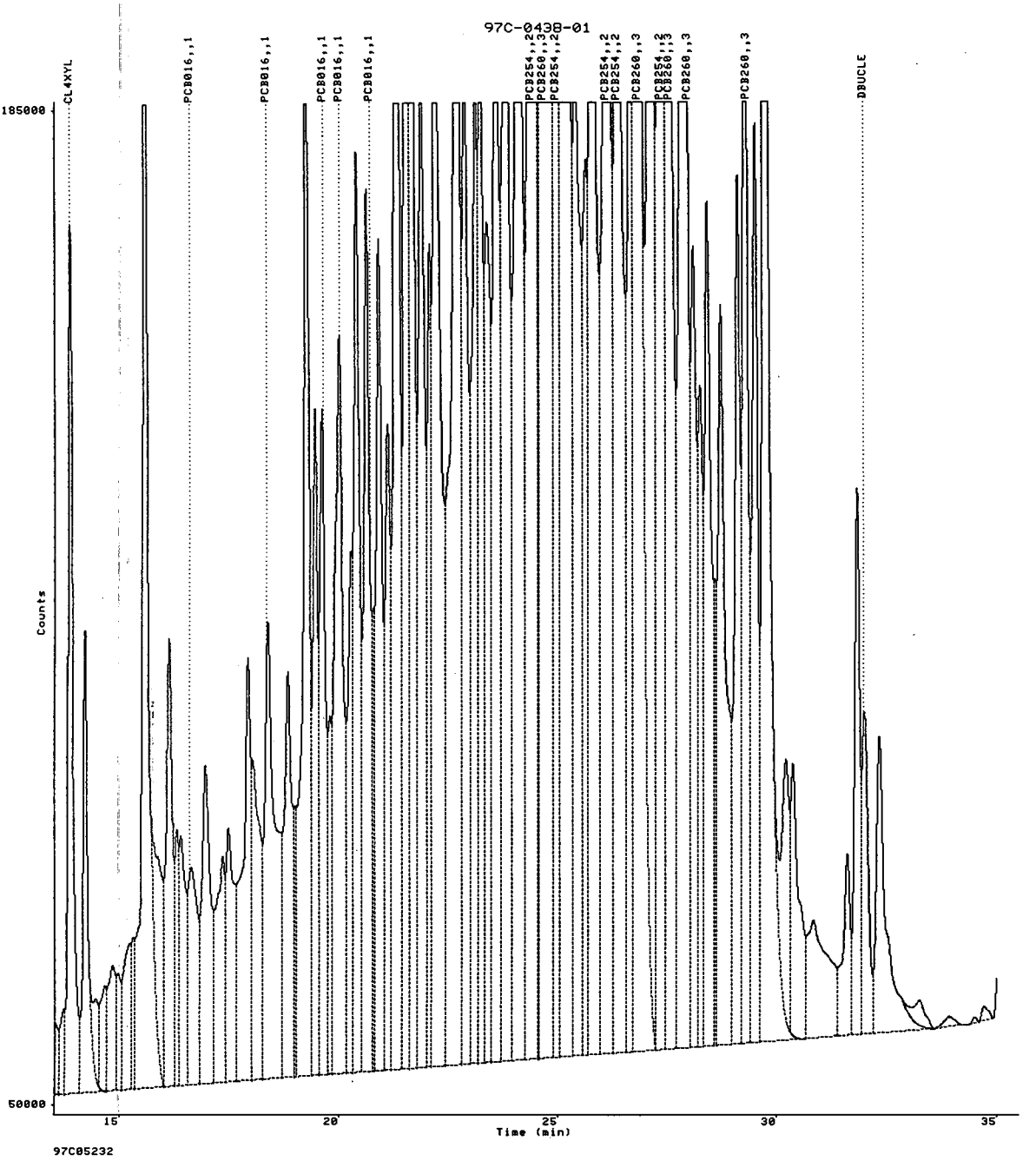
GROUP REPORT

Group	HEIGHT
1	376.4
3	2911

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353052.RAW;1
Report: 1197270260
Acquired: 21-DEC-1997 06:39:46
Time range: 13.50-35.50



00443

Date..... 2-JAN-1998 12:18:40.45 User: TAYLORC
Report number.....1197270261
Raw file.....DISK:[TAYLORC]4797353053.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 07:22:23
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05233
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....143
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.070			83436			BE	
	5.219			13403			EV	
	5.333			2618			EV	
	5.397			1733			VV	
	5.464			1665			VV	
	5.503			2236			VV	
	5.591			762			VB	
	5.645			459			BB	

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	5.732			2191	BV
	5.794			2412	VB
	5.938			2646	BV
	6.063			921	VV
	6.127			416	VB
	6.236			1842	BV
	6.346			2042	VV
	6.421			1994	VB
	6.628			11937	BB
	6.808			204	BV
	6.889			714	VV
	6.951			828	VV
	7.099			7696	VV
	7.370			4323	VV
	7.471			3711	VB
	7.703			5342	BV
	7.926			2759	VV
	8.117			4526	VV
	8.262			5029	VV
	8.424			12976	VV
	8.649			7327	VV
	8.744			6213	VV
	8.988			4740	VV
	9.107			2558	VV
	9.190			3087	VB
	9.409			3902	BV
	9.605			4893	VV
	9.703			6314	VV
	9.819			5735	VV
	9.934			4765	VV
	10.065			7825	VV
	10.219			2502	VV
	10.409			3316	VV
	10.605			18676	VV
	10.912			3572	VB
	11.249			25956	BE
	11.492			5978	EV
	11.686			3500	EV
	11.779			1149	VB
	11.930			2306	BV
	12.020			2135	VV
	12.235			13443	VV
	12.472			3547	VV
	12.704			2586	VV
	12.891			1566	VV
	12.987			1768	VB
	13.164			3850	BB
	13.310			720	BB
	13.509			1737	BB
	13.710			3276	BV
CL4XYL	13.853	-0.89	14.16	122538	VB
	14.208			3776	BB
	14.436			689	BB
	14.732			2628	BB
	14.965			1732	BB
	15.254			5577	BV
	15.410			5680	VV
	15.568			112495	VE
	15.803			10066	EV
	15.943			10787	EV

	16.136				43272	VV	
	16.414				32493	VB	
	16.964				4505	BB	
	17.165				165	BB	
	17.301				1994	BV	
	17.452				1217	VB	
	17.619				1754	BV	
	17.773				1534	VB	
	18.087				4129	BB	
PCB016	18.401	-2.08	1.806		3313	BV	1
	18.618				4232	VV	
	18.802				2085	VB	
	19.245				7898	BB	
PCB016	19.594	3.94	13.81		12618	BV	1
	19.819				4820	VV	
PCB016	20.025	0.53	2.663		5740	VV	1
	20.147				4293	VV	
	20.370				7160	VB	
PCB016	20.813	-5.91	2.625		2894	BV	1
	21.031				2481	VV	
	21.313				15099	VB	
	21.533				9207	BV	
	21.711				11734	VV	
	21.861				8353	VV	
	22.097				7305	VB	
	22.294				5855	BB	
	22.699				12655	BV	
	22.883				5164	VB	
	23.138				13074	BB	
	23.572				6575	BV	
	23.801				21699	VV	
	24.173				19327	VV	
PCB254	24.380	0.59	52.23		76127	VV	2
PCB260	24.583	4.85	285.3	+	97362	VV	3
PCB254	24.975	0.20	117.1		60340	VV	2
	25.113				79746	VV	
	25.414				38228	VV	
	25.638				41184	VV	
	25.800				47591	VV	
PCB254	26.106	0.39			223674	VV	2
PCB254	26.369	-0.14	75.73		61255	VV	2
	26.673				58315	VV	
PCB260	26.824	0.62	260.7	+	137301	VV	3
	27.095				49489	VV	
PCB254	27.340	0.89	99.48		83695	VV	2
PCB260	27.532	1.53	80.47		67418	VV	3
PCB260	27.895	4.25	95.70		77393	VV	3
	28.083				40618	VV	
	28.251				25680	VV	
	28.453				60007	VV	
	28.553				49828	VV	
	28.700				26206	VV	
	29.105				28038	VV	
PCB260	29.273	3.28	71.00		33650	VV	3
	29.504				25256	VV	
	29.722				118717	VE	
	30.204				6166	EV	
	30.353				7241	EV	
	30.577				7320	VB	
	31.017				585	BB	

	31.438			953	BV
	31.601			4928	VV
	31.826			14694	VV
DBUCLE	31.981	0.12	21.48	22600	VB
	32.328			9827	BV
	32.725			5189	VV
	33.208			2568	VB
	33.446			500	BB
	33.716			242	BV
	33.894			458	VV
	34.045			786	VB
	34.305			30	BB
	34.485			305	BB
	34.721			253	BV
	34.808			64	VB

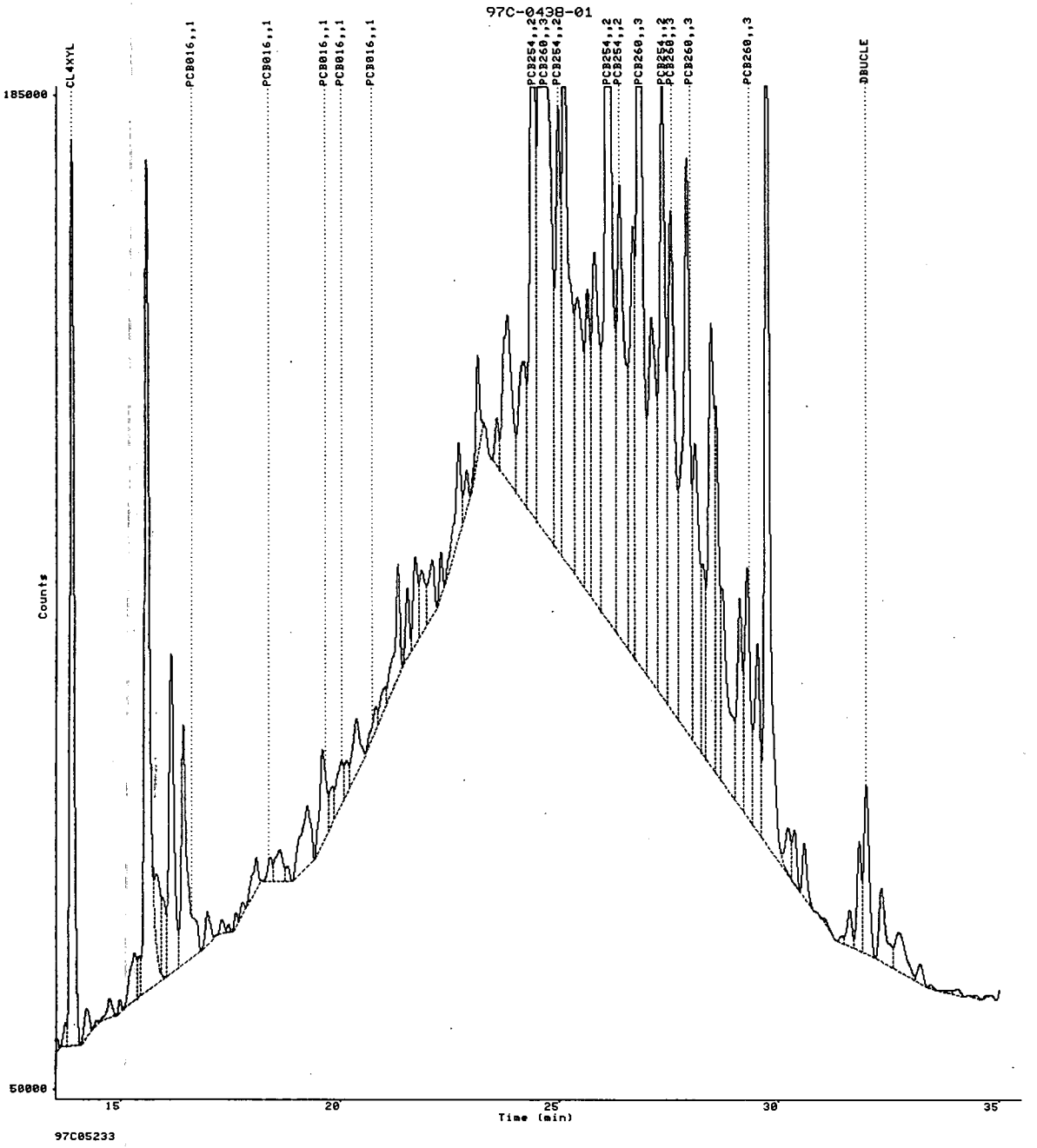
GROUP REPORT

Group	HEIGHT
1	20.90
2	344.5
3	793.2

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353053.RAW;1
Report: 1197270261
Acquired: 21-DEC-1997 07:22:23
Time range: 13.50-35.50



00448

Date..... 2-JAN-1998 12:18:47.75 User: TAYLORC
Report number.....1197270264
Raw file.....DISK:[TAYLORC]4797353054.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 08:04:58
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05234
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....123
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.067			39820		BE	
	5.208			3760		EV	
	5.501			2329		VB	
	5.737			3665		BV	
	5.808			3966		VV	
	5.926			3797		VV	
	5.993			3969		VV	
	6.072			3893		VV	
	6.249			2666		VV	
	6.372			6508		VV	
	6.624			5579		VV	
	6.792			2709		VV	
	6.972			2631		VV	
	7.075			11488		VE	
	7.366			2067		EV	

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	7.465			2172	EB	
	7.705			2867	BV	
	7.829			2019	VV	
	8.040			887	VV	
	8.111			1282	VV	
	8.259			1984	VV	
	8.418			1457	VB	
	8.583			593	BV	
	8.677			448	VV	
	8.792			661	VB	
	8.908			2078	BV	
	8.993			1653	VV	
	9.112			12221	VB	
	9.244			576	BB	
	9.344			329	BV	
	9.419			595	VV	
	9.508			1340	VB	
	9.765			1745	BB	
	10.103			820	BB	
	10.273			689	BB	
	10.404			207	BB	
	10.560			600	BB	
	10.779			301	BB	
	10.901			1876	BB	
	11.152			2975	BV	
	11.220			2404	VB	
	11.495			7918	BB	
	11.716			991	BV	
	11.786			334	VB	
	11.938			742	BB	
	12.029			345	BB	
	12.249			728	BB	
	13.086			1476	BV	
	13.352			8149	VV	
	13.488			2362	VB	
	13.710			1621	BB	
CL4XYL	13.859	-1.29	13.98	121002	BB	
	14.204			58767	BB	
	15.578			275031	BV	
	15.905			124024	VV	
	16.305			64242	VV	
PCB016	16.664	-4.07	54.14	53407	VV	1
	16.961			83954	VE	
	17.254			5605	EB	
	17.423			353	BB	
	17.522			2738	BV	
	17.689			3889	VV	
	17.948			110046	VE	
	18.208			694	EV	
	18.258			362	EV	
PCB016	18.398	-1.90	54.98	88685	VV	1
	18.616			29754	VV	
	18.871			65414	VV	
	19.314			112600	VV	
	19.477			389615	VV	
PCB016	19.636	1.42		279148	VV	1
PCB016	20.025	0.54	81.14	151690	VV	1
	20.316			135025	VV	
	20.415			158254	VV	
PCB016	20.648	4.02		198246	VV	1

	20.923				237517	VV	
	21.128				222941	VV	
	21.329				626080	VV	
	21.548				628750	VV	
	21.682				400951	VV	
	21.888				267155	VV	
	22.255				319471	VV	
	22.706				547051	VV	
	22.886				445509	VV	
	23.140				497913	VV	
	23.244				470623	VV	
	23.460				427629	VV	
	23.480				427621	VV	
	23.610				474832	VV	
	23.830				517440	VV	
	24.100				570495	VV	
PCB254	24.396	-0.34			839537	VV	2
	24.573				646702	VV	
PCB260	24.745	-4.85			718519	VV	3
PCB254	24.989	-0.66			684308	VV	2
	25.123				727585	VV	
	25.259				675264	VV	
	25.410				649691	VV	
	25.506				653759	VV	
	25.570				650339	VV	
	25.800				763515	VV	
	25.944				677692	VV	
PCB254	26.137	-1.45			737077	VV	2
PCB254	26.391	-1.41			748483	VV	2
	26.572				686471	VV	
	26.687				716381	VV	
PCB260	26.836	-0.11			853198	VV	3
	27.106				691045	VV	
PCB254	27.341	0.81			731756	VV	2
PCB260	27.531	1.55			698340	VV	3
	27.745				579945	VV	
	27.791				583565	VV	
PCB260	27.896	4.17			618154	VV	3
	28.495				418273	VV	
	29.100				313305	VV	
PCB260	29.277	3.04	725.4	+	303252	VV	3
	29.501				257497	VV	
	29.737				258903	VE	
	31.601				11305	EV	
	31.832				31935	EV	
DBUCLE	31.984	-0.05	29.19		31014	EV	
	32.331				20670	EB	
	34.703				910	BB	

GROUP REPORT

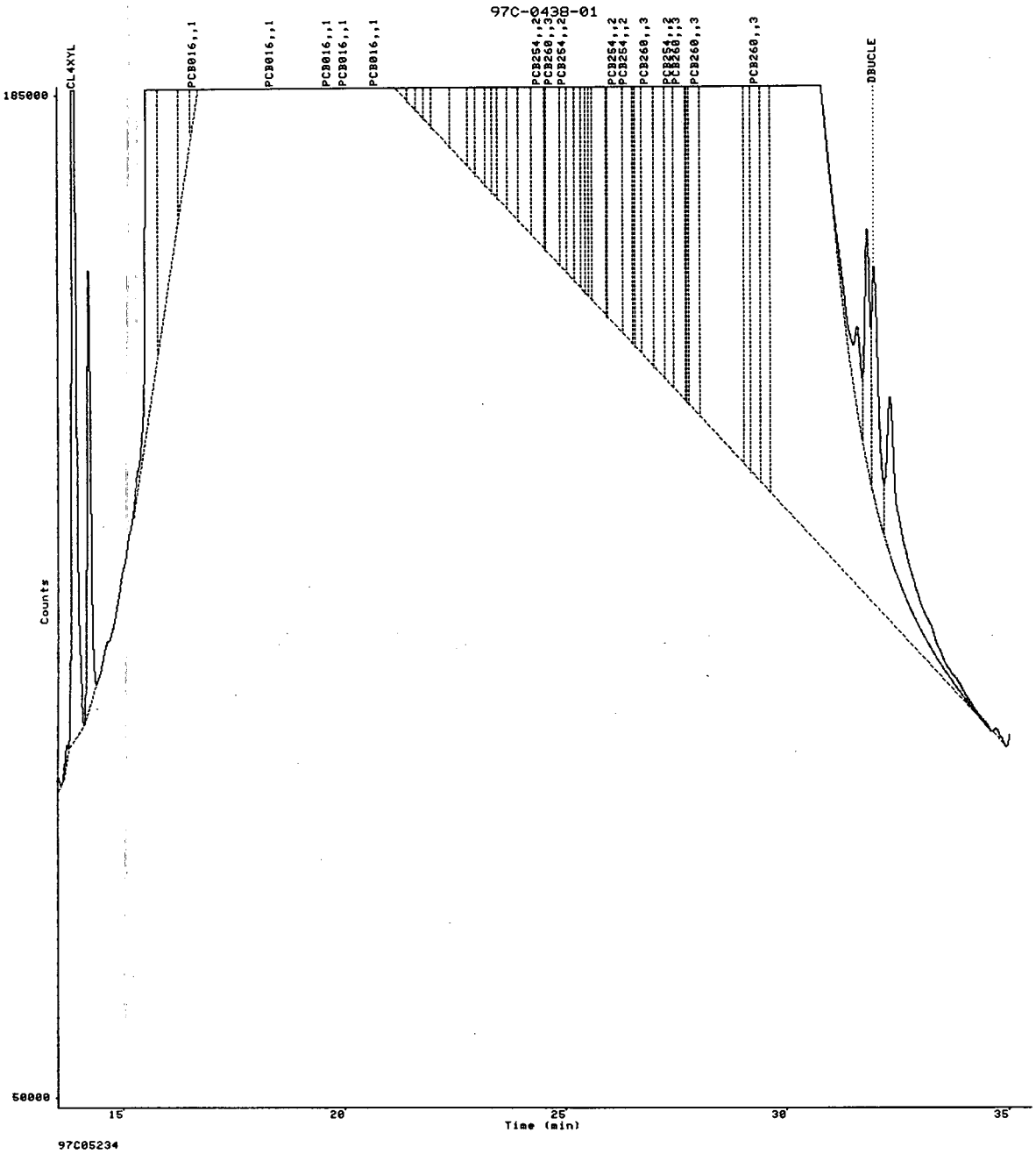
Group	HEIGHT
1	190.3
3	725.4

00451

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353054.RAW;1
Report: 1197270264
Acquired: 21-DEC-1997 08:04:58
Time range: 13.50-35.50



00453

Date..... 2-JAN-1998 12:18:52.74 User: TAYLORC
Report number.....1197270265
Raw file.....DISK:[TAYLORC]4797353055.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 08:47:36
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....RINSE
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....143
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
13.84	CL4XYL			
16.60	PCB016	1		
20.72	PCB016	1		
24.98	PCB254	2		
26.11	PCB254	2		
26.83	PCB260	3		
27.97	PCB260	3		
29.33	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

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Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.210			423			BV	

	5.446			2815	VB
	5.802			882	BV
	5.949			435	VV
	6.040			283	VB
	6.376			26	BV
	6.434			68	VB
	6.543			31	BB
	6.618			39	BV
	6.740			135	VB
	7.281			21	BB
	7.567			98	BB
	8.077			65	BB
	8.598			32	BB
	8.840			39	BB
	9.319			47	BB
	9.528			37	BB
	9.756			1250	BE
	9.955			26	EB
	10.430			22	BB
	10.656			13	BB
	10.887			33	BB
	11.040			38	BB
	11.243			16	BB
	11.509			46	BB
	11.807			22	BV
	12.019			34	BB
	12.203			33	BB
	12.381			33	BV
	12.440			17	VB
	12.731			19	BB
	12.926			39	BB
	13.105			30	BB
	13.262			9	BB
	13.405			22	BB
	13.566			31	BV
	13.620			23	VB
	13.939			27	BV
	14.169			59	VV
	14.303			32	VB
	14.516			63	BV
	14.544			51	VB
	14.795			16	BB
	14.865			15	BB
	15.025			20	BB
	15.275			19	BB
	15.602			22	BB
	15.851			44	BV
	15.973			33	VV
	16.217			20	BB
	16.332			25	VV
	16.463			17	VB
	16.932			42	BV
	17.101			23	VB
	17.337			19	BB
	17.690			65	BV
	17.839			93	VV
	17.892			89	VV
	18.099			98	VB
PCB016	18.348	1.08	1.287E-04	79	BV
	18.390			74	VV

	18.536			77	VV	
	18.606			71	VV	
	18.670			53	VB	
	18.827			24	BB	
	18.979			22	BB	
	19.157			31	BB	
	19.304			31	BB	
	19.482			54	BB	
PCB016	19.667	-0.41	1.446E-04	45	BB	1
	19.911			21	BB	
	19.981			17	BB	
PCB016	20.046	-0.71	4.850E-05	35	BB	1
	20.314			8	BB	
	20.605			14	BB	
	20.932			75	BB	
	21.143			626	BB	
	21.332			152	BB	
	21.571			203	BV	
	21.709			111	VV	
	21.853			29	VB	
	21.961			39	BB	
	22.139			33	BB	
	22.718			126	BV	
	22.767			49	VB	
	22.871			49	BV	
	22.912			37	VB	
	23.159			56	BB	
	23.258			62	BB	
	23.342			32	BB	
	23.445			39	BB	
	23.626			24	BB	
	23.700			24	BB	
	24.124			97	BV	
	24.177			95	VV	
PCB254	24.371	1.11	3.530E-04	193	VV	2
PCB260	24.590	4.43	3.617E-04	57	VB	3
	24.834			14	BB	
	25.167			45	BB	
	25.548			163	BV	
	25.807			121	VV	
	25.870			70	VB	
PCB254	26.272	5.68	5.845E-04	180	BV	2
	26.533			148	VV	
	26.629			39	VB	
	27.011			156	BV	
	27.253			212	VV	
PCB254	27.410	-3.27	8.687E-04	271	VV	2
PCB260	27.528	1.76	9.570E-04	286	VV	3
	28.130			320	VV	
	28.573			482	VV	
	28.915			638	VV	
	29.716			4330	VE	
	30.224			126	EV	
	30.357			452	EB	
	31.035			25	BB	
	31.161			25	BB	
	31.257			28	BB	
	31.666			43	BB	
DBUCLE	32.061	-4.67	5.857E-05	20	BB	
	32.249			18	BB	

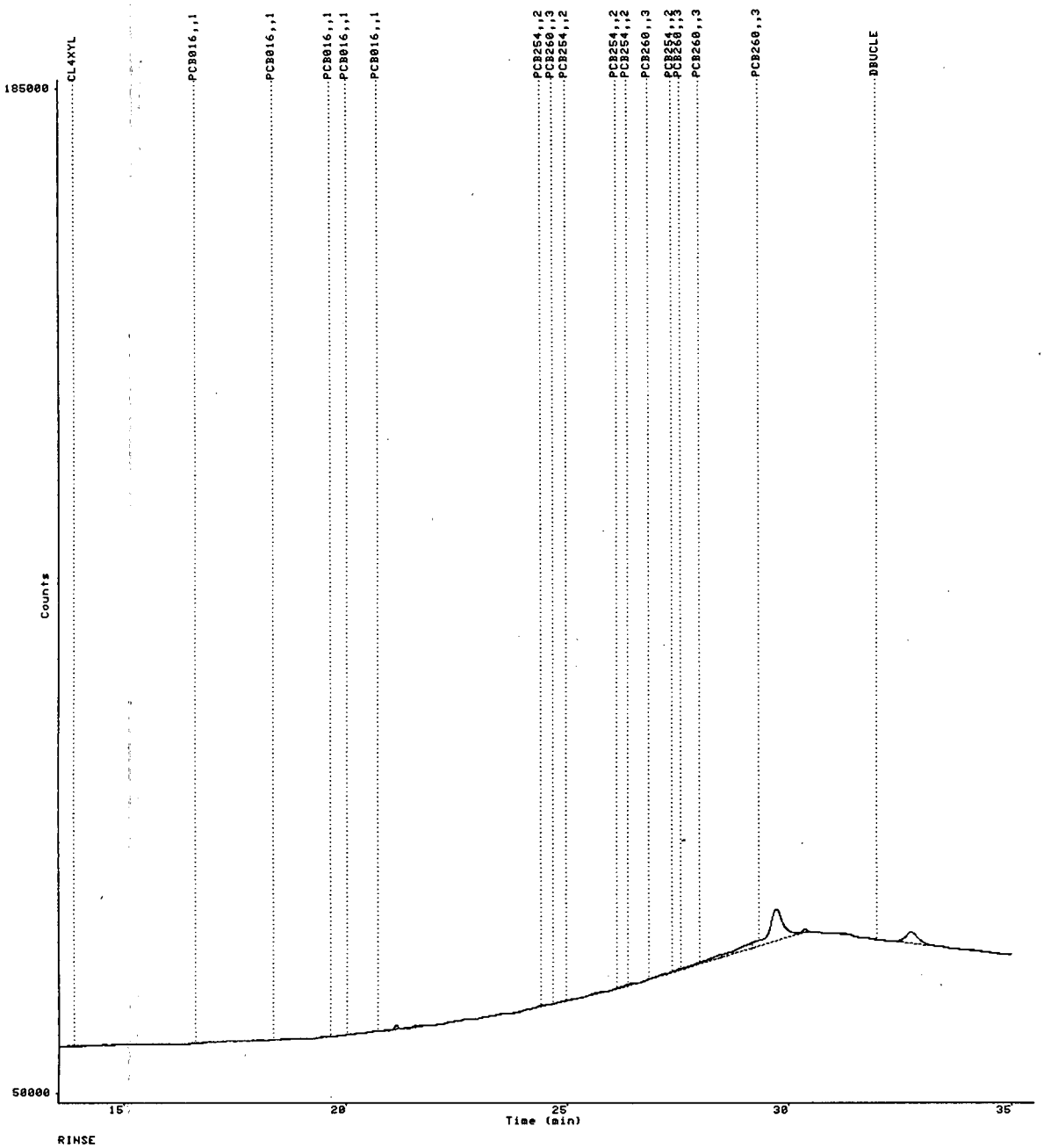
02456

32.346	23	BB
32.425	31	BV
32.748	1440	VB
33.634	23	BB
33.990	23	BB
34.085	45	BV
34.117	63	VB

GROUP REPORT

Group	HEIGHT
1	3.218E-04
2	1.806E-03
3	1.319E-03

Data file: DISK:[TAYLORC]4797353055.RAW;1
Report: 1197270265
Acquired: 21-DEC-1997 08:47:36
Time range: 13.50-35.50



00458

Date..... 2-JAN-1998 12:19:04.37 User: TAYLORC
Report number.....1197270267
Raw file.....DISK:[TAYLORC]4797353057.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 10:12:47
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05235
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....139
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.049			539411		BE	
	5.175			44449		EV	
	5.307			101464		VE	
	5.498			5575		EB	
	5.657			92175		BV	
	5.808			30433		VV	
	5.922			63210		VV	
	6.017			38023		VV	
	6.085			61932		VV	
	6.258			19997		VV	
	6.362			25976		VV	
	6.429			27436		VB	
	6.611			87342		BV	
	6.734			23003		VV	
	6.840			20301		VB	

00451

	7.125			94070	BV	
	7.252			27831	VV	
	7.537			12961	VB	
	7.701			33767	BV	
	7.952			9394	VV	
	8.054			28862	VV	
	8.199			19567	VV	
	8.249			18640	VB	
	8.492			5654	BB	
	8.654			6067	BB	
	8.775			1382	BB	
	8.899			8493	BV	
	9.083			6123	VV	
	9.182			13515	VB	
	9.417			11838	BV	
	9.533			10489	VV	
	9.596			11424	VV	
	9.700			8922	VV	
	9.847			7176	VV	
	10.004			11417	VV	
	10.116			8542	VV	
	10.313			8591	VV	
	10.401			9599	VV	
	10.603			10548	VB	
	10.945			7955	BV	
	11.238			8559	VV	
	11.508			15074	VV	
	11.692			5209	VV	
	11.788			2936	VV	
	11.965			5198	VV	
	12.251			43156	VE	
	12.470			5514	EV	
	12.727			4032	VV	
	12.811			2144	VV	
	12.893			2502	VV	
	12.992			3357	VB	
	13.179			5233	BV	
	13.336			3812	VV	
	13.511			5036	VV	
CL4XYL	13.861	-1.40	18.43	158556	VE	
	14.206			10597	EV	
	14.433			3634	EV	
	14.691			5227	VV	
	14.833			8252	VV	
	15.221			4764	VV	
	15.297			5506	VV	
	15.401			3927	VV	
	15.571			27308	VE	
	15.824			3302	EV	
	16.142			81555	VE	
	16.414			14978	EV	
PCB016	16.640	-2.64	8.864	9354	EV	1
	16.967			21620	VE	
	17.258			3253	EV	
	17.474			2186	EV	
	17.653			2815	VV	
	17.839			4074	VV	
	17.935			5370	VV	
	18.068			9181	VV	
PCB016	18.400	-2.05	15.82	28100	VV	1

	18.862				12453	VV	
	19.260				81594	VV	
	19.477				36135	VV	
PCB016	19.630	1.78	52.21		44833	VV	1
PCB016	20.022	0.71	26.42		54665	VV	1
	20.401				32363	VV	
PCB016	20.674	2.49	14.62		15791	VV	1
	20.923				57842	VV	
	21.128				36025	VV	
	21.322				216034	VV	
	21.541				187637	VV	
	21.686				112677	VV	
	21.873				47168	VV	
	22.111				34806	VV	
	22.226				57512	VV	
	22.269				57319	VV	
	22.701				136711	VV	
	22.883				59003	VV	
	23.136				77154	VV	
	23.235				57966	VV	
	23.440				32892	VV	
	23.598				69279	VV	
	23.820				137319	VV	
	24.105				110376	VV	
PCB254	24.391	-0.05			638004	VV	2
PCB260	24.651	0.78			489196	VV	3
PCB254	24.980	-0.10			320563	VV	2
	25.115				341006	VE	
	25.407				19350	EV	
	25.518				19293	EV	
	25.789				204701	VV	
PCB254	26.112	0.08			205688	VV	2
PCB254	26.371	-0.24			293785	VV	2
	26.675				161165	VV	
PCB260	26.827	0.42			825247	VE	3
	27.115				133375	EV	
PCB254	27.345	0.58			396126	VV	2
PCB260	27.534	1.36			307088	VV	3
PCB260	27.900	3.93	527.1	+	345156	VE	3
	28.098				50977	EV	
	28.265				54571	EV	
	28.418				53424	VV	
	28.725				101604	VV	
	29.114				146060	VV	
PCB260	29.280	2.87	532.0	+	231199	VV	3
	29.510				168288	VV	
	29.740				462383	VE	
	30.218				42453	EV	
	30.370				43380	EV	
	30.575				13645	VV	
	30.840				5671	VE	
	31.024				684	EB	
	31.610				31551	BV	
	31.833				120472	VV	
DBUCLE	32.008	-1.49	72.37		80927	VV	
	32.340				69844	VE	
	32.785				6650	EV	
	33.217				3495	VV	
	33.432				1152	VB	
	33.719				52	BB	

33.931	1008	BV
34.048	1084	VB
34.523	3308	BV
34.740	3748	VB

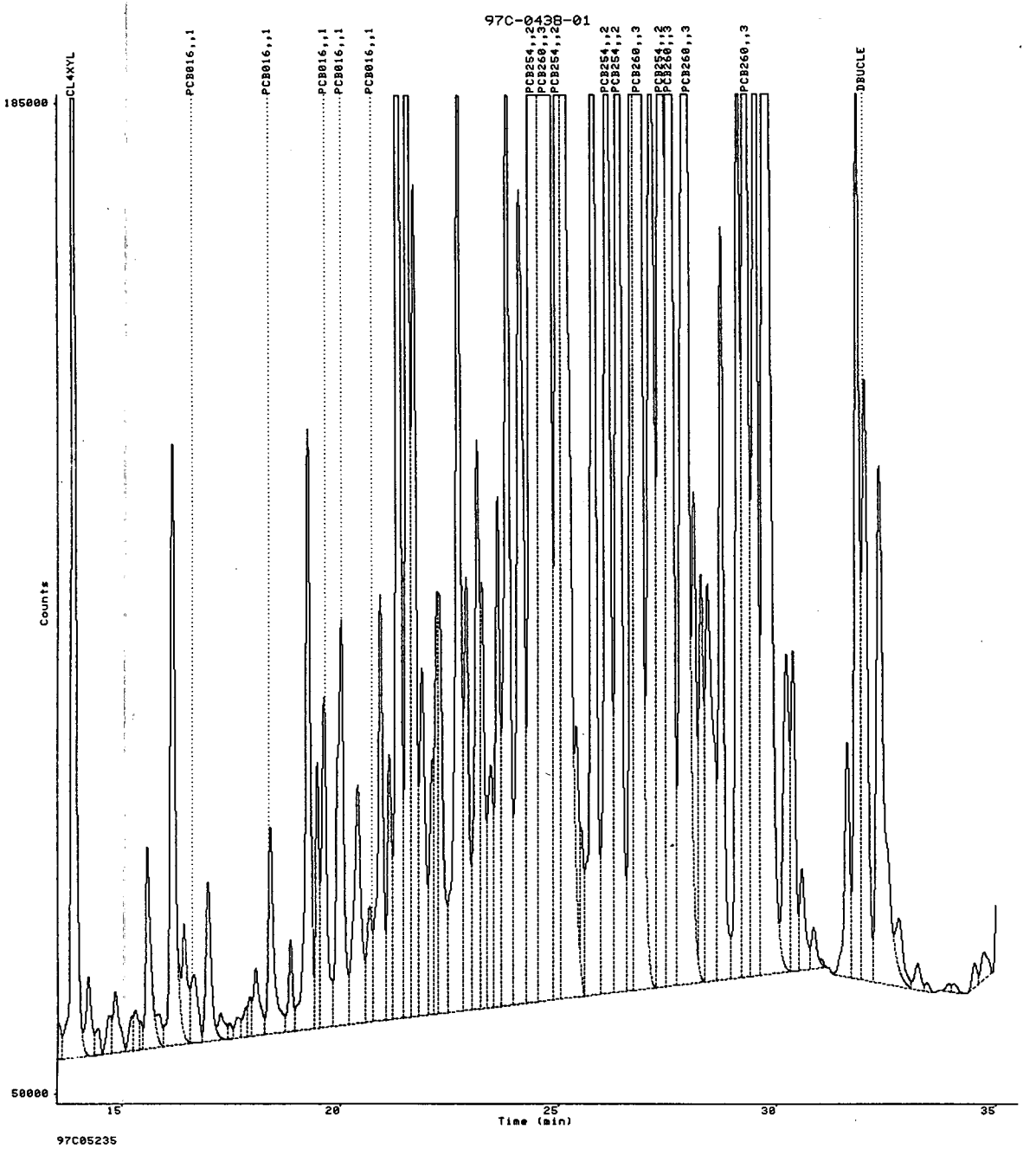
GROUP REPORT

Group	HEIGHT
1	117.9
3	1059

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353057.RAW;1
Report: 1197270267
Acquired: 21-DEC-1997 10:12:47
Time range: 13.50-35.50



00463

Date..... 2-JAN-1998 12:19:09.51 User: TAYLORC
Report number.....1197270268
Raw file.....DISK:[TAYLORC]4797353058.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 10:55:22
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05236
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....151
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
16.60	PCB016	1	
20.72	PCB016	1	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.051			81747		BE	
	5.179			10377		EV	
	5.285			18579		EB	
	5.504			2403		BB	
	5.597			2632		BV	
	5.654			14125		VV	
	5.797			5432		VB	

	5.924			10034	BV
	6.000			5163	VV
	6.082			8562	VB
	6.246			3717	BV
	6.360			6195	VV
	6.425			6272	VB
	6.615			19712	BE
	6.843			2634	EB
	6.958			281	BB
	7.125			17231	BV
	7.232			7503	VV
	7.369			4050	VV
	7.525			4659	VB
	7.702			6304	BV
	7.939			3578	VV
	8.056			6456	VV
	8.103			5946	VV
	8.252			6251	VV
	8.428			9184	VV
	8.567			3264	VV
	8.653			7763	VV
	8.746			5487	VV
	8.891			3394	VV
	8.989			5181	VV
	9.108			3191	VV
	9.186			4584	VB
	9.414			5184	BV
	9.603			6064	VV
	9.700			5910	VV
	9.828			5669	VV
	9.943			5205	VV
	10.072			6961	VV
	10.223			2325	VV
	10.405			4059	VV
	10.611			30544	VE
	10.920			4140	EB
	11.252			25653	BV
	11.498			6630	VV
	11.689			3540	VV
	11.784			1186	VB
	11.934			2451	BV
	12.022			2404	VV
	12.237			11635	VV
	12.474			3871	VV
	12.641			2146	VV
	12.708			2499	VV
	12.815			1262	VV
	12.890			1427	VV
	12.992			1669	VV
	13.168			4111	VV
	13.310			1614	VV
	13.511			3612	VV
	13.715			4935	VV
CL4XYL	13.858	-1.19	14.54	125738	VE
	14.216			4535	EV
	14.434			3491	VV
	14.561			3189	VV
	14.737			4717	VV
	14.793			4541	VV
	14.962			3133	VV

	15.240				5121	VV	
	15.407				5025	VV	
	15.594				30037	VE	
	15.831				5357	EV	
	15.970				7150	EV	
	16.141				20245	VV	
	16.418				39726	VE	
	16.964				3787	EV	
	17.045				3946	EV	
	17.293				5066	EV	
	17.457				4108	VV	
	17.622				4756	VV	
	17.776				5510	VV	
	18.000				7277	VV	
	18.085				8328	VV	
PCB016	18.408	-2.49	4.423		8064	VV	1
	18.520				8657	VV	
	18.623				7890	VV	
	18.817				5897	VV	
	19.246				9538	VV	
PCB016	19.596	3.86	16.17		14726	VV	1
	19.819				10070	VV	
PCB016	20.023	0.65	5.725		12276	VV	1
	20.135				11235	VV	
	20.376				13964	VV	
	20.816				13418	VV	
	20.938				15641	VV	
	21.139				17770	VV	
	21.320				29944	VV	
	21.540				27537	VV	
	21.696				26653	VV	
	21.867				21180	VV	
	22.100				21004	VV	
	22.290				18613	VV	
	22.703				32632	VV	
	22.887				26124	VV	
	23.139				27429	VV	
	23.267				27268	VV	
	23.583				26744	VV	
	23.819				35393	VV	
	24.113				29354	VV	
PCB254	24.381	0.53	42.03		62756	VV	2
PCB260	24.655	0.52	145.5	+	59027	VV	3
PCB254	24.979	-0.04	81.98		45380	VV	2
	25.115				39388	VV	
	25.256				30640	VV	
	25.412				28001	VV	
	25.646				35945	VV	
	25.793				35240	VV	
PCB254	26.109	0.23			172692	VE	2
PCB254	26.373	-0.33	36.33		31567	EV	2
	26.676				30682	EV	
PCB260	26.826	0.45	141.5	+	76231	VV	3
	27.099				25758	VV	
PCB254	27.345	0.60	58.70		51670	VV	2
PCB260	27.535	1.31	43.11		37296	VV	3
PCB260	27.900	3.94	53.32		43931	VV	3
	28.084				17264	VV	
	28.276				14276	VV	
	28.466				49687	VV	

	28.560			42245	VV	
	29.112			19256	VV	
PCB260	29.281	2.82	50.18	23872	VV	3
	29.510			19814	VV	
	29.724			92303	VE	
	30.204			9132	EV	
	30.361			10343	EV	
	30.586			10470	VV	
	30.859			5070	VV	
	31.035			4832	VV	
	31.452			3982	VV	
	31.608			6822	VV	
	31.833			11060	VV	
DBUCLE	31.981	0.13	22.81	24039	VV	
	32.335			9415	VV	
	32.692			3777	VV	
	33.230			2544	VB	
	33.479			242	BB	
	33.706			251	BV	
	33.925			726	VV	
	34.025			762	VV	
	34.332			415	VV	
	34.384			476	VB	
	34.779			627	BB	

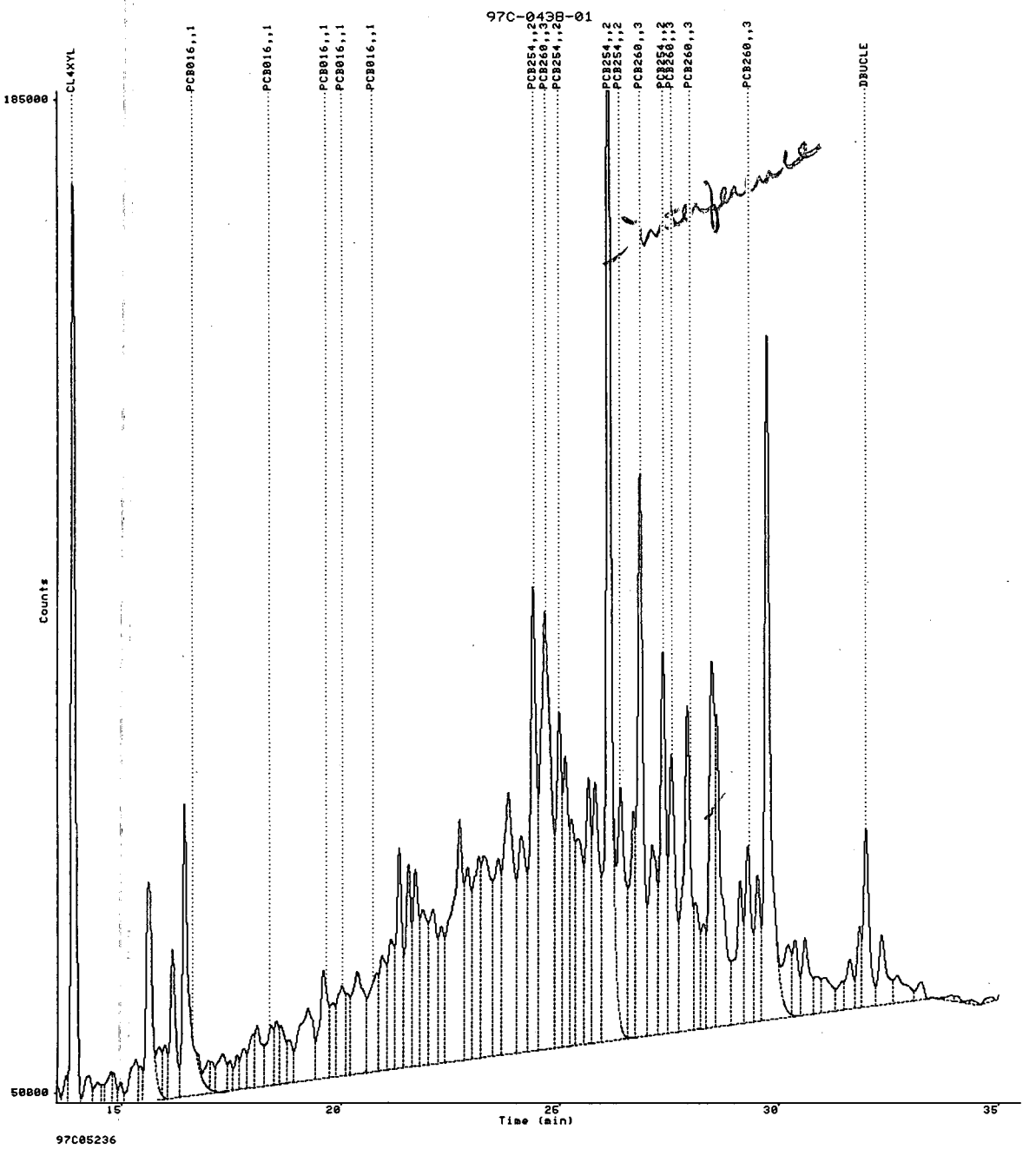
GROUP REPORT

Group	HEIGHT
1	26.32
2	219.0
3	433.6

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353058.RAW;1
Report: 1197270268
Acquired: 21-DEC-1997 10:55:22
Time range: 13.50-35.50



AR1254

Date..... 2-JAN-1998 12:19:14.34 User: TAYLORC
Report number.....1197270269
Raw file.....DISK:[TAYLORC]4797353059.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 11:38:02
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05237
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....133
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.049			89904		BE	
	5.172			8065		EV	
	5.299			18641		VB	
	5.653			14494		BV	
	5.726			6465		VV	
	5.804			7790		VV	
	5.923			10107		VV	
	6.012			6796		VV	
	6.079			15529		VE	
	6.241			3028		EV	
	6.361			6797		VV	
	6.430			5756		VB	
	6.610			21339		BE	
	6.832			4562		EB	
	6.970			1277		BV	

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	7.115			24803	VV	
	7.250			7616	VV	
	7.455			2972	VV	
	7.531			4636	VB	
	7.698			13067	BV	
	7.940			5437	VV	
	8.051			8486	VV	
	8.191			6732	VV	
	8.259			12653	VV	
	8.480			4536	VV	
	8.656			4967	VV	
	8.765			3707	VB	
	8.936			6273	BV	
	9.109			4850	VV	
	9.170			5612	VB	
	9.415			5513	BV	
	9.530			6142	VV	
	9.593			6355	VV	
	9.707			5169	VV	
	9.838			4718	VV	
	10.052			5766	VV	
	10.430			6037	VV	
	10.613			8327	VB	
	10.925			5251	BV	
	11.236			6086	VV	
	11.326			4311	VV	
	11.501			13315	VV	
	11.688			4341	VV	
	11.960			4096	VV	
	12.247			22237	VE	
	12.477			3818	EV	
	12.583			4129	EV	
	12.734			2719	VV	
	12.892			2635	VV	
	12.986			2842	VB	
	13.174			4119	BV	
	13.334			3904	VV	
	13.502			3487	VV	
CL4XYL	13.857	-1.15	15.49	133848	VE	
	14.204			9527	EV	
	14.427			3693	EV	
	14.661			4838	VV	
	14.831			7825	VV	
	15.298			6526	VV	
	15.570			25946	VV	
	16.137			45138	VE	
	16.300			759	EV	
	16.411			14553	VV	
PCB016	16.639	-2.61	8.224	8686	VV	1
	16.965			18590	VE	
	17.255			3090	EV	
	17.485			3328	EV	
	17.652			3611	VV	
	17.936			7256	VV	
	18.066			17504	VV	
PCB016	18.402	-2.18	18.19	32123	VV	1
	18.863			26417	VV	
	19.271			44381	VV	
	19.472			43107	VV	
PCB016	19.630	1.79	53.06	45494	VV	1

PCB016	20.020	0.83	24.43		50714	VV	1
	20.404				35507	VV	
PCB016	20.662	3.18	16.67		17935	VV	1
	20.921				71518	VV	
	21.123				46926	VV	
	21.320				238459	VV	
	21.539				203802	VV	
	21.682				145776	VV	
	21.874				44413	VV	
	22.098				31601	VV	
	22.231				58135	VV	
	22.699				167546	VV	
	22.883				70366	VV	
	23.133				80145	VV	
	23.235				67618	VV	
	23.432				32718	VV	
	23.597				63723	VV	
	23.817				122536	VV	
	24.096				117711	VV	
PCB254	24.387	0.17			448738	VV	2
PCB260	24.653	0.63			324679	VV	3
PCB254	24.977	0.06			218703	VV	2
	25.112				212599	VV	
	25.241				78558	VV	
	25.402				34104	VV	
	25.645				22630	VV	
	25.787				157495	VV	
PCB254	26.109	0.26			157138	VV	2
PCB254	26.368	-0.06			196579	VV	2
	26.673				103391	VV	
PCB260	26.825	0.57	1350	+	563803	VE	3
	27.114				91748	EV	
PCB254	27.343	0.72			278677	VV	2
PCB260	27.532	1.49	283.6	+	195400	VV	3
PCB260	27.898	4.10	298.4	+	219739	VE	3
	28.094				31312	EV	
	28.256				37467	EV	
	28.415				33955	VV	
	28.722				61490	VV	
	29.111				97419	VV	
PCB260	29.277	3.04	318.3	+	144127	VV	3
	29.508				108222	VV	
	29.738				268545	VE	
	30.214				25719	EV	
	30.370				27241	EV	
	30.566				9358	VV	
	30.836				7139	VV	
	31.607				20106	VV	
	31.829				70240	VV	
DBUCLE	31.998	-0.87	43.26		46746	VV	
	32.335				40390	VE	
	32.752				5327	EV	
	33.221				2088	VV	
	33.433				575	VB	
	33.676				30	BB	
	33.927				342	BB	
	34.510				1002	BV	
	34.736				1988	VB	

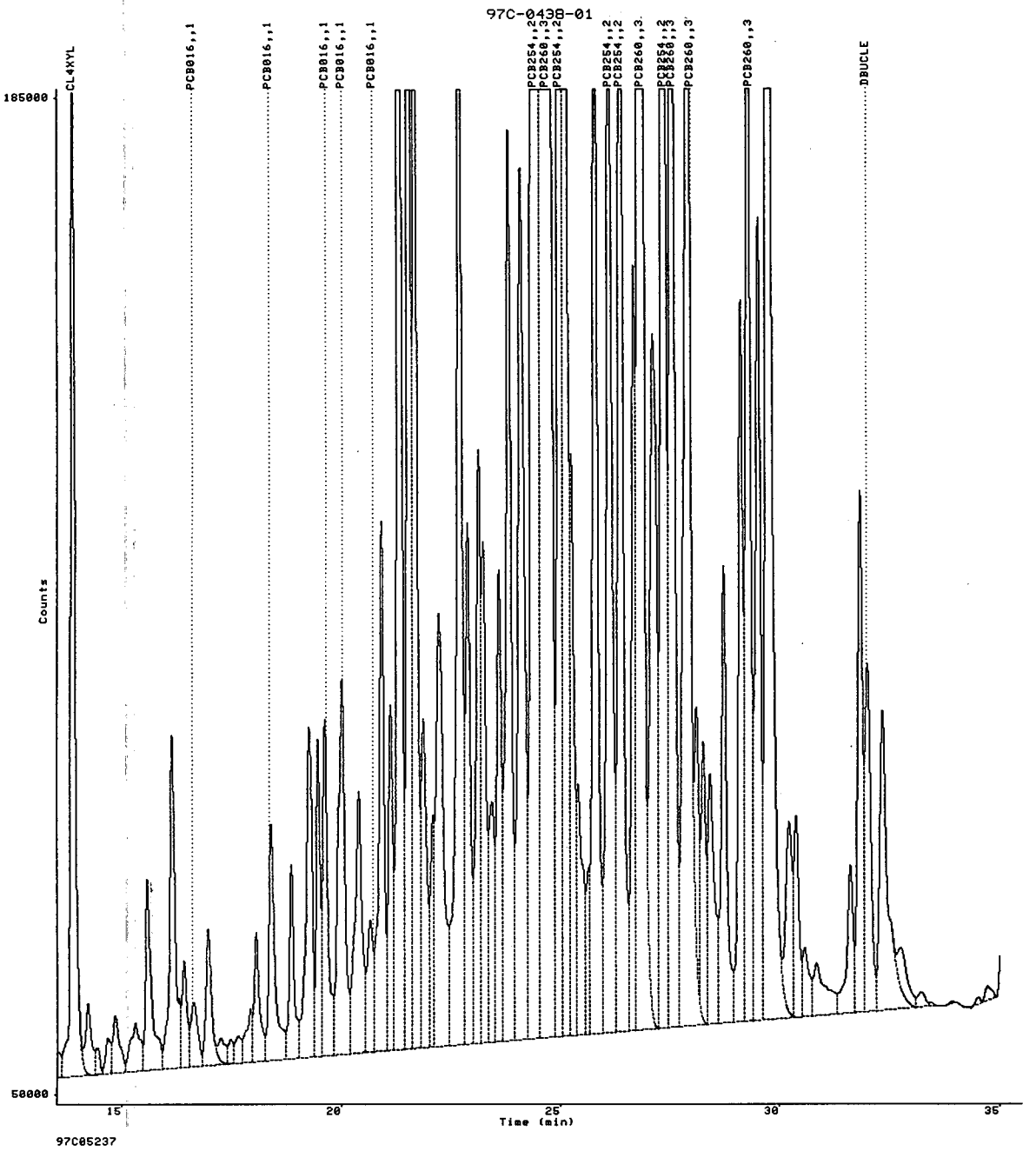
GROUP REPORT

Group	HEIGHT
1	120.6
3	2250

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353059.RAW;1
Report: 1197270269
Acquired: 21-DEC-1997 11:38:02
Time range: 13.50-35.50



00473

Date..... 2-JAN-1998 12:19:19.65 User: TAYLORC
Report number.....1197270270
Raw file.....DISK:[TAYLORC]4797353060.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 12:20:38
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05238
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....128
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.072			84958		BE	
	5.340			7020		EV	
	5.459			1249		EB	
	5.651			3199		BV	
	5.733			1562		VE	
	5.831			163		EB	
	5.923			1840		BV	
	5.999			1143		VV	
	6.076			2727		VV	
	6.168			2542		VB	
	6.360			1256		BV	
	6.439			920		VB	
	6.621			5109		BE	
	6.819			734		EB	
	6.960			366		BV	

	7.047			819	VV	
	7.120			2084	VV	
	7.276			1120	VB	
	7.450			1537	BV	
	7.589			2085	VV	
	7.658			1936	VV	
	7.789			570	VV	
	7.894			3943	VE	
	8.049			817	EB	
	8.260			685	BB	
	8.464			451	BV	
	8.660			566	VV	
	8.782			441	VB	
	8.992			2541	BV	
	9.105			2153	VV	
	9.232			1193	VB	
	9.410			244	BV	
	9.527			1726	VV	
	9.752			692	VB	
	9.940			180	BV	
	10.071			230	VV	
	10.187			1054	VV	
	10.345			837	VV	
	10.473			1410	VB	
	10.759			24	BB	
	10.871			873	BB	
	11.144			714	BB	
	11.500			804	BB	
	11.724			242	BV	
	11.800			310	VB	
	11.958			550	BV	
	12.114			147	VV	
	12.162			116	VB	
	12.411			1308	BV	
	12.675			480	VV	
	12.938			465	VV	
	13.074			711	VV	
	13.158			602	VV	
	13.364			4035	VV	
CL4XYL	13.869	-1.87	19.73	169429	VE	
	14.208			10762	EV	
	14.500			1390	EV	
	14.730			2395	VV	
	15.045			4670	VV	
	15.384			3574	VV	
	15.573			41994	VB	
	16.020			797	BE	
	16.205			79	EB	
	16.312			197	BB	
PCB016	16.651	-3.31	0.8957	956	BB	1
	16.904			1171	BV	
	16.977			646	VB	
	17.250			1717	BB	
	17.677			1760	BV	
	17.820			1843	VV	
	18.153			2705	VV	
PCB016	18.428	-3.70	2.244	4111	VV	
	18.842			4560	VV	
	19.010			4913	VV	
	19.261			6455	VV	

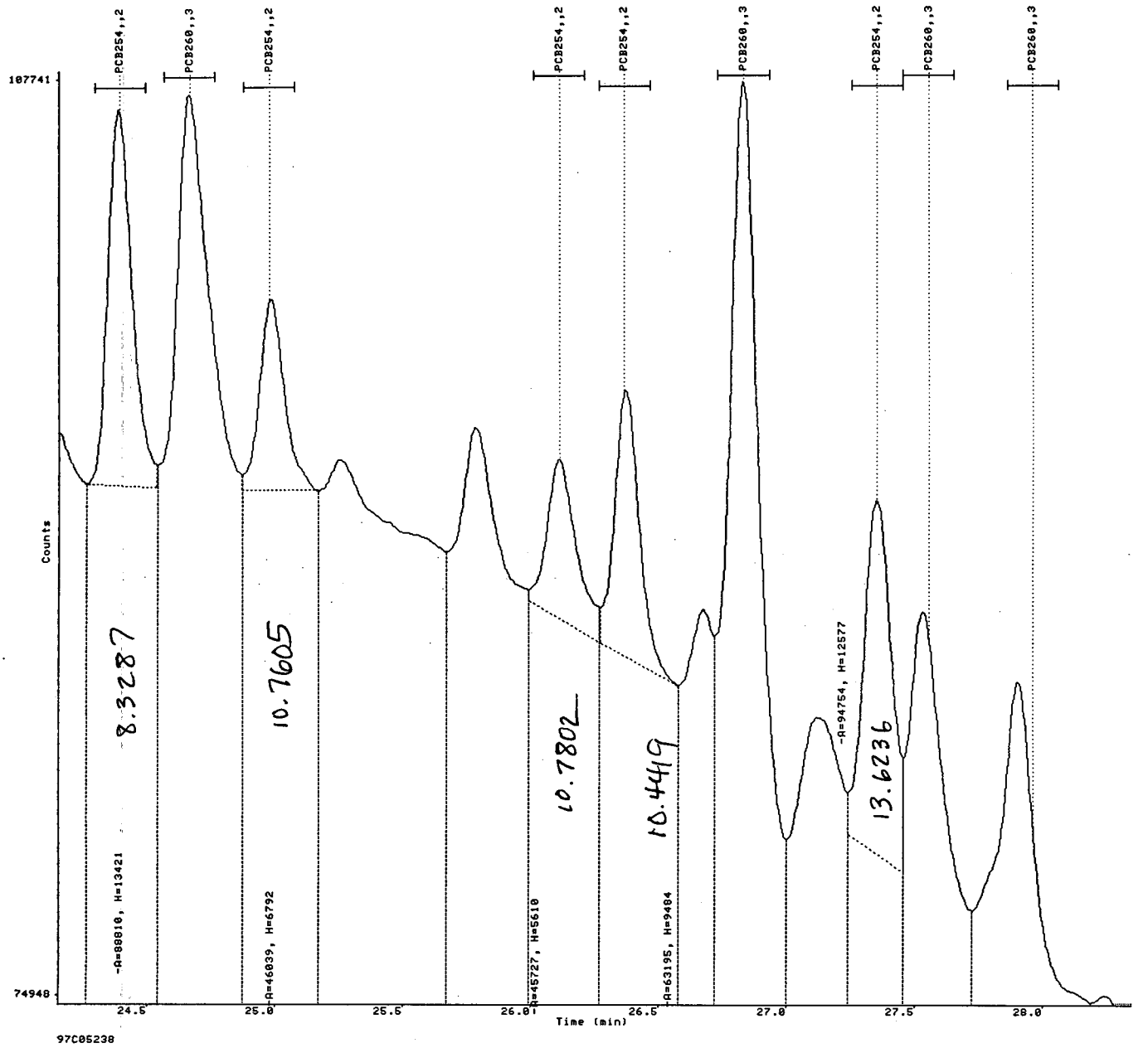
	19.484			8097	VV	
PCB016	19.644	0.97	9.139	8414	VV	1
PCB016	20.031	0.15	5.247	11260	VV	1
	20.449			10928	VV	
PCB016	20.645	4.20	24.98	26483	VV	1
	20.834			12597	VV	
	21.141			15151	VV	
	21.331			20310	VV	
	21.548			21783	VV	
	21.687			20233	VV	
	21.926			18779	VV	
	22.175			19636	VV	
	22.707			26421	VV	
	22.896			25351	VV	
	23.142			26659	VV	
	23.240			26341	VV	
	23.361			25522	VV	
	23.481			25986	VV	
	23.623			27229	VV	
	23.826			30921	VV	
	24.114			30353	VV	
PCB254	24.383	0.43	26.30	40724	VV	2
PCB260	24.663	0.04	95.92	41108	VV	3
PCB254	24.983	-0.30	58.37	33814	VV	2
	25.256			28017	VV	
	25.785			29076	VV	
PCB254	26.111	0.11	57.47	27856	VV	2
PCB254	26.371	-0.26	34.82	30337	VV	2
	26.674			22426	VV	
PCB260	26.830	0.22	75.52	41174	VV	3
	27.128			18546	VV	
PCB254	27.353	0.13	28.84	26202	VV	2
PCB260	27.532	1.51	25.26	22182	VV	3
PCB260	27.904	3.75	23.51	19615	VV	3
	28.244			8393	VV	
	28.723			6947	VV	
	29.121			7568	VV	
PCB260	29.280	2.88	20.08	9605	VV	3
	29.516			6529	VV	
	29.744			16307	VE	
	30.201			1427	EV	
	30.370			1445	EB	
	30.812			147	BB	
	31.612			548	BV	
DBUCLE	31.975	0.45	22.35	23549	VE	
	32.342			1094	EV	
	32.741			1875	EB	
	34.457			10	BB	
	34.715			28	BB	

per manual integration

GROUP REPORT

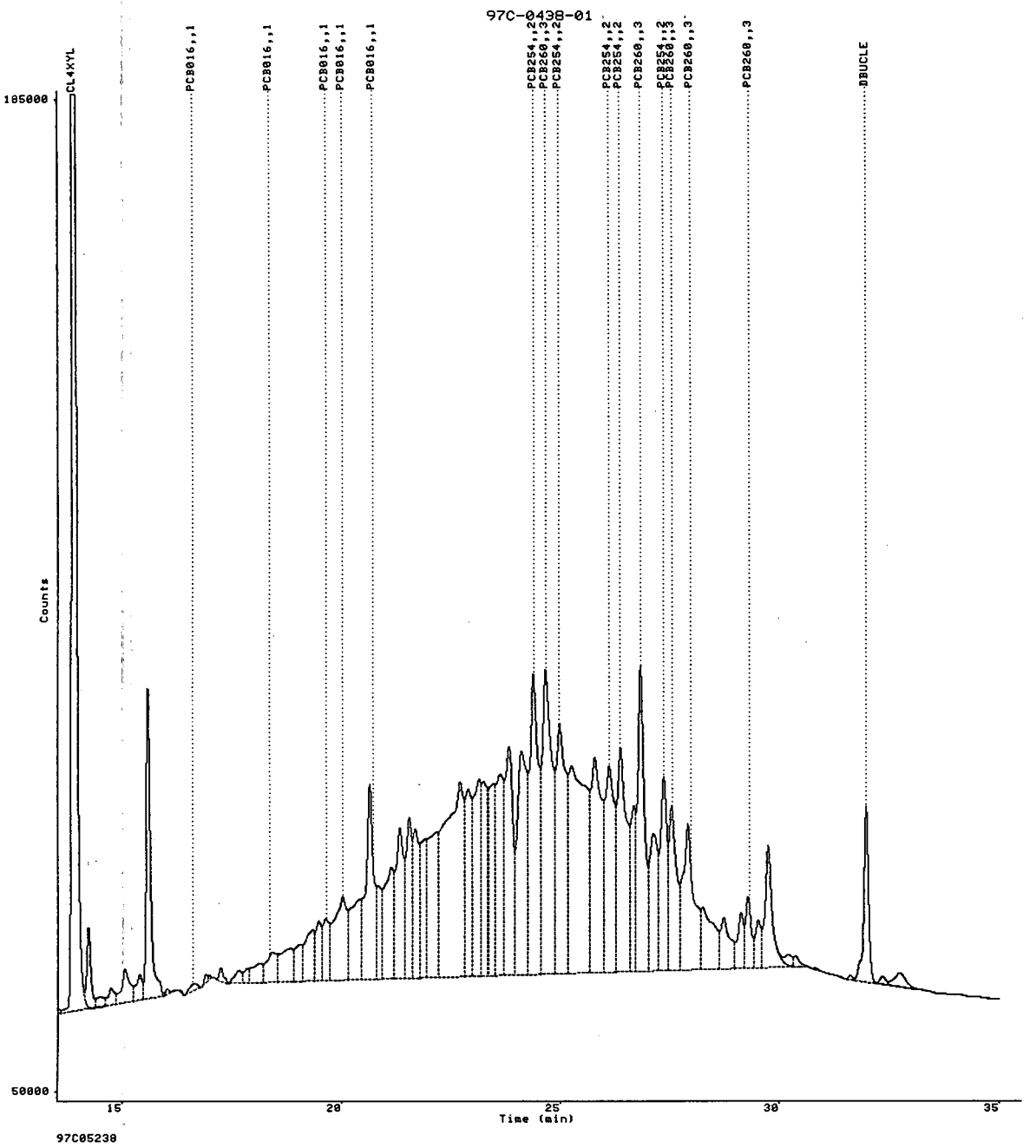
Group	HEIGHT
1	42.51
2	205.8
3	240.3

Data file: DISK:[TAYLORC]4797353060.RAW;1
Report: 1197270345
Acquired: 21-DEC-1997 12:20:38
Time range: 24.15-28.35
Vert. scale/offset: 1.0/1518



53.9349

Data file: DISK:[TAYLORC]4797353060.RAW;1
Report: 1197270270
Acquired: 21-DEC-1997 12:20:38
Time range: 13.50-35.50



00479

Date..... 2-JAN-1998 12:19:25.14 User: TAYLORC
Report number.....1197270271
Raw file.....DISK:[TAYLORC]4797353061.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 13:03:18
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05239
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....135
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.041			3222		BV	
	5.168			274		VB	
	5.324			1075		BV	
	5.653			1657		VV	
	5.788			1905		VV	
	5.924			2640		VV	
	5.994			3054		VV	
	6.083			3423		VV	
	6.251			3940		VB	
	6.566			3504		BV	
	6.726			2911		VV	
	6.772			2852		VV	
	7.067			2931		VV	
	7.293			2158		VV	
	7.364			2015		VV	

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	7.535			1311	VV	
	7.672			1499	VV	
	7.774			923	VV	
	7.940			690	VV	
	8.043			246	VB	
	8.241			36	BB	
	8.448			120	BB	
	8.596			55	BV	
	8.685			188	VV	
	8.780			265	VB	
	8.920			1041	BE	
	9.099			188	EV	
	9.170			257	EB	
	9.411			206	BV	
	9.549			1012	VV	
	9.756			942	VB	
	10.032			27	BB	
	10.186			85	BB	
	10.365			283	BB	
	10.914			159	BV	
	11.000			180	VB	
	11.152			113	BV	
	11.257			142	VV	
	11.350			87	VV	
	11.494			106	VB	
	11.808			101	BB	
	12.004			28	BB	
	12.267			555	BB	
	12.597			41	BB	
	12.842			141	BV	
	12.945			76	VB	
	13.161			60	BB	
	13.363			45	BB	
	13.685			154	BV	
CL4XYL	13.872	-2.06	13.28	115032	VE	
	14.463			583	EV	
	14.809			617	EV	
	14.950			717	VV	
	15.205			917	VV	
	15.423			514	VB	
	15.583			8891	BB	
	16.027			1164	BV	
	16.159			2439	VV	
	16.320			1000	VB	
PCB016	16.660	-3.84	0.7494	800	BB	1
	17.027			398	BV	
	17.104			219	VB	
	17.654			1431	BV	
	17.862			701	VV	
	18.112			806	VV	
PCB016	18.389	-1.41	0.3549	653	VV	1
	18.674			396	VV	
	18.809			185	VB	
	19.034			272	BB	
	19.263			7522	BE	
PCB016	19.628	1.90	0.2389	223	EV	
	19.826			200	EV	
PCB016	20.041	-0.40	0.01570	34	VB	1
	20.415			1719	BE	
	20.628			47	EB	

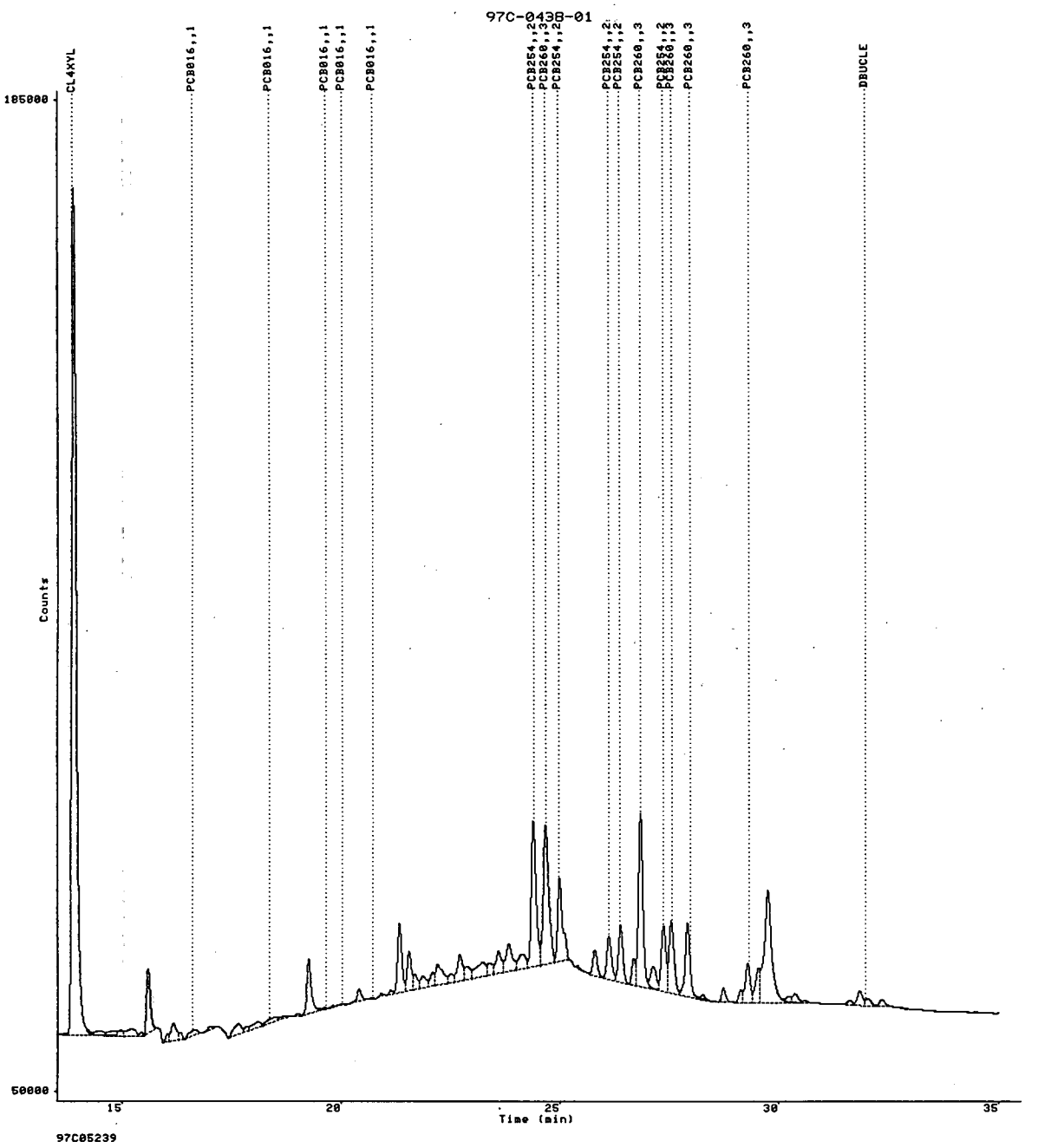
PCB016	20.721	-0.37	0.08579	95	BB	1
	20.928			356	BB	
	21.143			526	BV	
	21.333			9402	VV	
	21.551			5453	VV	
	21.684			2200	VV	
	21.872			1645	VV	
	22.089			1940	VV	
	22.210			2865	VV	
	22.513			1218	VV	
	22.711			3597	VV	
	22.884			1897	VV	
	23.242			2016	VV	
	23.397			1677	VV	
	23.596			3036	VV	
	23.832			3806	VV	
	24.135			2074	VV	
PCB254	24.387	0.21	12.39	19793	VV	2
PCB260	24.666	-0.09	41.45	18805	VV	3
PCB254	24.986	-0.47	18.19	11333	VB	2
	25.406			321	BB	
	25.791			3336	BB	
PCB254	26.116	-0.19	11.09	5770	BV	2
PCB254	26.376	-0.53	8.375	7633	VB	2
	26.679			3587	BV	
PCB260	26.835	-0.03	42.46	23290	VE	3
	27.122			2992	EV	
PCB254	27.361	-0.38	9.507	8814	VV	2
PCB260	27.535	1.33	10.83	9624	VV	3
PCB260	27.909	3.44	11.76	9860	VE	3
	28.257			600	EB	
	28.467			81	BB	
	28.732			1840	BB	
	29.133			1685	BV	
PCB260	29.285	2.59	11.09	5313	VV	3
	29.539			4653	VV	
	29.747			15209	VE	
	30.247			729	EV	
	30.371			1174	EV	
	30.558			254	VB	
	31.153			20	BB	
	31.358			23	BB	
	31.612			495	BV	
	31.840			1918	VV	
DBUCLE	32.025	-2.51	0.8931	916	VB	
	32.344			805	BB	
	32.848			19	VB	
	33.127			48	BB	
	33.337			22	BB	
	33.633			15	BB	
	34.096			25	BB	
	34.499			32	BB	
	34.737			18	BB	

GROUP REPORT

Group	HEIGHT
1	1.445
2	59.56

3	117.6

Data file: DISK:[TAYLORC]4797353061.RAW;1
Report: 1197270271
Acquired: 21-DEC-1997 13:03:18
Time range: 13.50-35.50



00484

Date..... 2-JAN-1998 12:19:29.79 User: TAYLORC
Report number.....1197270272
Raw file.....DISK:[TAYLORC]4797353062.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 13:45:55
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05240
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....136
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
18.37	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.047			676583			BE	
	5.170			45804			EB	
	5.304			125069			BB	
	5.500			7259			BB	
	5.657			141685			BV	
	5.809			40757			VV	
	5.918			94333			VV	
	6.017			53676			VV	

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	6.088			81130	VV
	6.260			29956	VV
	6.362			30183	VV
	6.430			36845	VB
	6.609			106716	BV
	6.739			38598	VV
	6.841			26252	VB
	7.044			18143	BV
	7.128			117432	VV
	7.250			37136	VB
	7.541			18561	BV
	7.697			22585	VV
	7.819			7744	VV
	7.964			11692	VV
	8.056			41816	VV
	8.201			28792	VB
	8.499			8150	BB
	8.654			7752	BB
	8.873			16093	BV
	9.184			14146	VB
	9.419			9297	BV
	9.537			7201	VV
	9.595			8208	VV
	9.693			4915	VV
	9.855			2408	VV
	10.000			5758	VV
	10.121			3488	VV
	10.310			7575	VV
	10.396			5362	VB
	10.556			2711	BB
	10.953			5077	BV
	11.217			2220	VV
	11.571			7401	VE
	11.809			1400	EV
	11.991			1773	EV
	12.254			4137	VV
	12.475			3161	VB
	12.735			519	BV
	12.834			1009	VV
	13.010			1796	VV
	13.186			2636	VV
	13.367			921	VV
	13.517			3311	VV
CL4XYL	13.870	-1.93	20.12	172721	VE
	14.208			1468	EV
	14.455			984	EV
	14.595			848	VV
	14.710			1436	VV
	14.818			976	VV
	14.917			936	VV
	15.220			2372	VV
	15.395			1411	VV
	15.577			19351	VE
	15.822			1705	EB
	16.121			2073	BV
	16.351			633	VV
PCB016	16.552	2.66	1.085	1158	VV
	16.686			1680	VV
	16.975			4245	VV
	17.257			1365	VB

	17.624				2283	BV	
	17.857				1811	VV	
	18.164				829	VV	
	18.545				814	VV	
	18.750				206	VV	
	18.788				163	VB	
	19.254				4794	BV	
	19.384				2716	VV	
PCB016	19.621	2.33	4.337		4023	VV	1
	19.835				1825	VV	
PCB016	19.988	2.73	1.163		2514	VV	1
	20.385				6606	VV	
PCB016	20.665	3.03	3.566		3925	VV	1
	20.907				5316	VV	
	21.149				4719	VV	
	21.329				72237	VV	
	21.547				40667	VV	
	21.681				18849	VV	
	21.884				10383	VV	
	22.089				7301	VV	
	22.265				8041	VV	
	22.437				7337	VV	
	22.705				36689	VV	
	22.887				14818	VV	
	23.131				12378	VV	
	23.249				20588	VV	
	23.450				12059	VV	
	23.617				16694	VV	
	23.827				59138	VV	
	24.105				34793	VV	
PCB254	24.384	0.38	149.4	+	166867	VV	2
PCB260	24.663	0.05			161551	VV	3
PCB254	24.985	-0.41			106146	VE	2
	25.257				19091	EV	
	25.790				53858	VV	
PCB254	26.113	0.01	172.7	+	68489	VV	2
PCB254	26.374	-0.42	144.5	+	101770	VV	2
	26.678				49795	VV	
PCB260	26.833	0.07	484.6	+	244376	VE	3
	27.120				38862	EV	
PCB254	27.352	0.15	186.1	+	141190	VV	2
PCB260	27.536	1.26	117.8		95466	VV	3
PCB260	27.905	3.65	126.9		101227	VE	3
	28.259				12705	EV	
	28.489				4500	VV	
	28.729				26050	VV	
	29.123				46147	VV	
PCB260	29.285	2.59	136.6	+	63966	VV	3
	29.514				42057	VV	
	29.747				124828	VE	
	30.239				8319	EV	
	30.376				10817	EV	
	30.572				2613	VV	
	30.848				1055	VB	
	31.190				235	BV	
	31.615				6531	VV	
	31.841				30478	VV	
DBUCLE	31.987	-0.21	31.92		34023	VV	
	32.343				14084	VE	
	32.792				1022	EV	

33.212	561	EV
33.436	330	VB
33.946	78	BV
34.059	89	VB
34.529	548	BV
34.737	845	VB

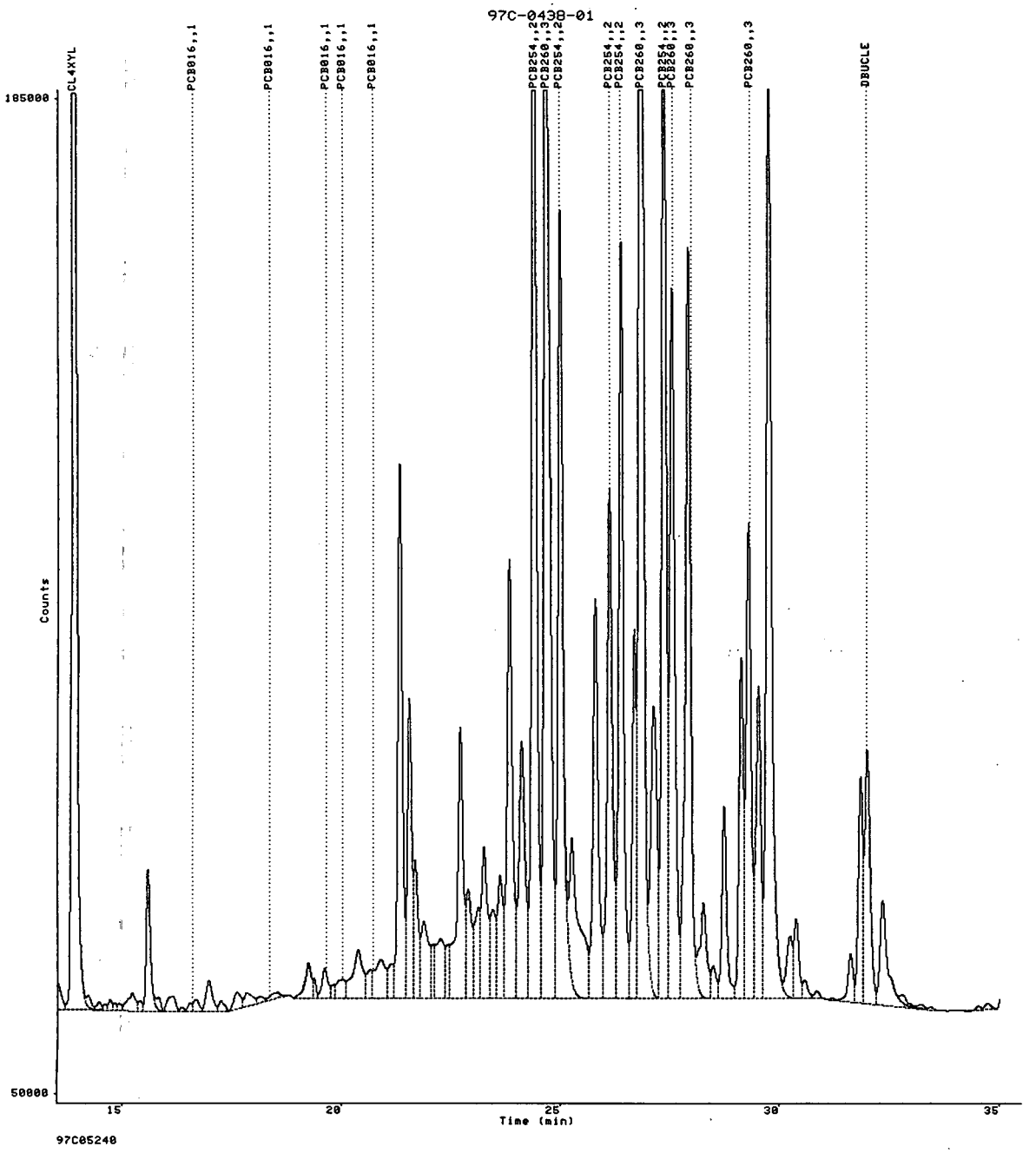
GROUP REPORT

Group	HEIGHT
1	10.15
2	652.8
3	865.9

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353062.RAW;1
Report: 1197270272
Acquired: 21-DEC-1997 13:45:55
Time range: 13.50-35.50



00489

Date..... 2-JAN-1998 12:19:34.55 User: TAYLORC
Report number.....1197270273
Raw file.....DISK:[TAYLORC]4797353063.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 14:28:34
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05241
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....137
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.066			390415			BE	
	5.285			25477			EV	
	5.334			26102			EV	
	5.495			3104			VB	
	5.653			36157			BV	
	5.808			13078			VV	
	5.918			26500			VV	
	6.007			14085			VV	

00490

	6.082		21288	VB
	6.255		7862	BV
	6.361		10096	VV
	6.425		12456	VB
	6.609		38011	BE
	6.728		4204	EV
	6.838		6351	EB
	7.123		40936	BV
	7.246		13827	VV
	7.530		8632	VB
	7.704		21667	BV
	7.952		5738	VV
	8.055		14756	VV
	8.200		12013	VV
	8.252		13094	VV
	8.432		6639	VV
	8.551		3945	VV
	8.655		7563	VV
	8.758		4690	VB
	9.002		6000	BV
	9.182		9104	VB
	9.416		8829	BV
	9.528		8059	VV
	9.599		9431	VV
	9.701		8126	VV
	9.839		8009	VV
	10.047		8841	VV
	10.408		7588	VV
	10.609		21298	VB
	10.927		6681	BV
	11.250		18508	VV
	11.504		13209	VV
	11.693		5087	VV
	11.782		2203	VB
	11.966		3351	BV
	12.245		37410	VE
	12.473		2725	EB
	12.717		2266	BB
	12.893		1012	BV
	12.991		2107	VB
	13.166		5092	BV
	13.315		2410	VV
	13.509		5067	VV
	13.719		6055	VV
CL4XYL	13.858	-1.20 12.97	112448	VE
	14.208		7103	EV
	14.434		3936	VV
	14.723		5555	VV
	14.814		6068	VV
	14.955		3263	VB
	15.251		4243	BV
	15.404		2864	VV
	15.575		14626	VV
	15.625		14154	VE
	15.829		1828	EV
	15.966		1021	VV
	16.140		49055	VV
	16.416		24172	VB
	16.970		10113	BV
	17.290		3060	VV

	17.460				2168	VV	
	17.626				2682	VV	
	17.809				3338	VV	
	18.078				9892	VV	
PCB016	18.399	-1.96	11.99		21481	VV	1
	18.858				7319	VV	
	19.266				26043	VV	
	19.480				25796	VV	
PCB016	19.630	1.83	32.73		29024	VV	1
PCB016	20.021	0.80	17.92		37626	VV	1
	20.391				18425	VV	
PCB016	20.684	1.83	9.527		10379	VV	1
	20.922				31034	VV	
	21.127				21745	VV	
	21.320				87168	VV	
	21.541				80425	VV	
	21.696				47576	VV	
	21.870				26343	VV	
	22.105				19038	VV	
	22.282				29932	VV	
	22.700				72518	VV	
	22.879				32276	VV	
	23.138				59535	VV	
	23.442				21096	VV	
	23.598				39261	VV	
	23.814				70001	VV	
	24.108				55607	VV	
PCB254	24.387	0.18			369221	VV	2
PCB260	24.648	0.97			272398	VV	3
PCB254	24.979	-0.05			169515	VV	2
	25.116				195413	VE	
	25.409				15577	EV	
	25.642				14032	EV	
	25.787				118845	VV	
PCB254	26.109	0.24			125002	VV	2
PCB254	26.371	-0.22			155533	VV	2
	26.674				89567	VV	
PCB260	26.824	0.59	979.1	+	445273	VE	3
	27.122				76105	EV	
PCB254	27.343	0.73	277.8	+	186475	VV	2
PCB260	27.534	1.36	263.0	+	185178	VV	3
PCB260	27.900	3.95	281.7	+	209097	VE	3
	28.091				32467	EV	
	28.264				34229	EV	
	28.445				41589	VV	
	28.723				60509	VV	
	29.113				71132	VV	
PCB260	29.279	2.92	312.7	+	141732	VV	3
	29.509				97851	VV	
	29.738				278346	VE	
	30.216				27542	EV	
	30.370				27717	EV	
	30.576				12522	VV	
	30.842				6452	VV	
	31.029				4429	VV	
	31.172				3446	VV	
	31.609				21414	VV	
	31.831				70046	VV	
DBUCLE	32.009	-1.57	51.26		55924	VV	
	32.337				42249	VE	

32.782	3198	EV
33.215	2801	EV
33.453	1109	VV
33.738	647	VV
33.926	1129	VV
34.045	1012	VE
34.275	68	EB
34.513	1615	BV
34.758	1870	VB

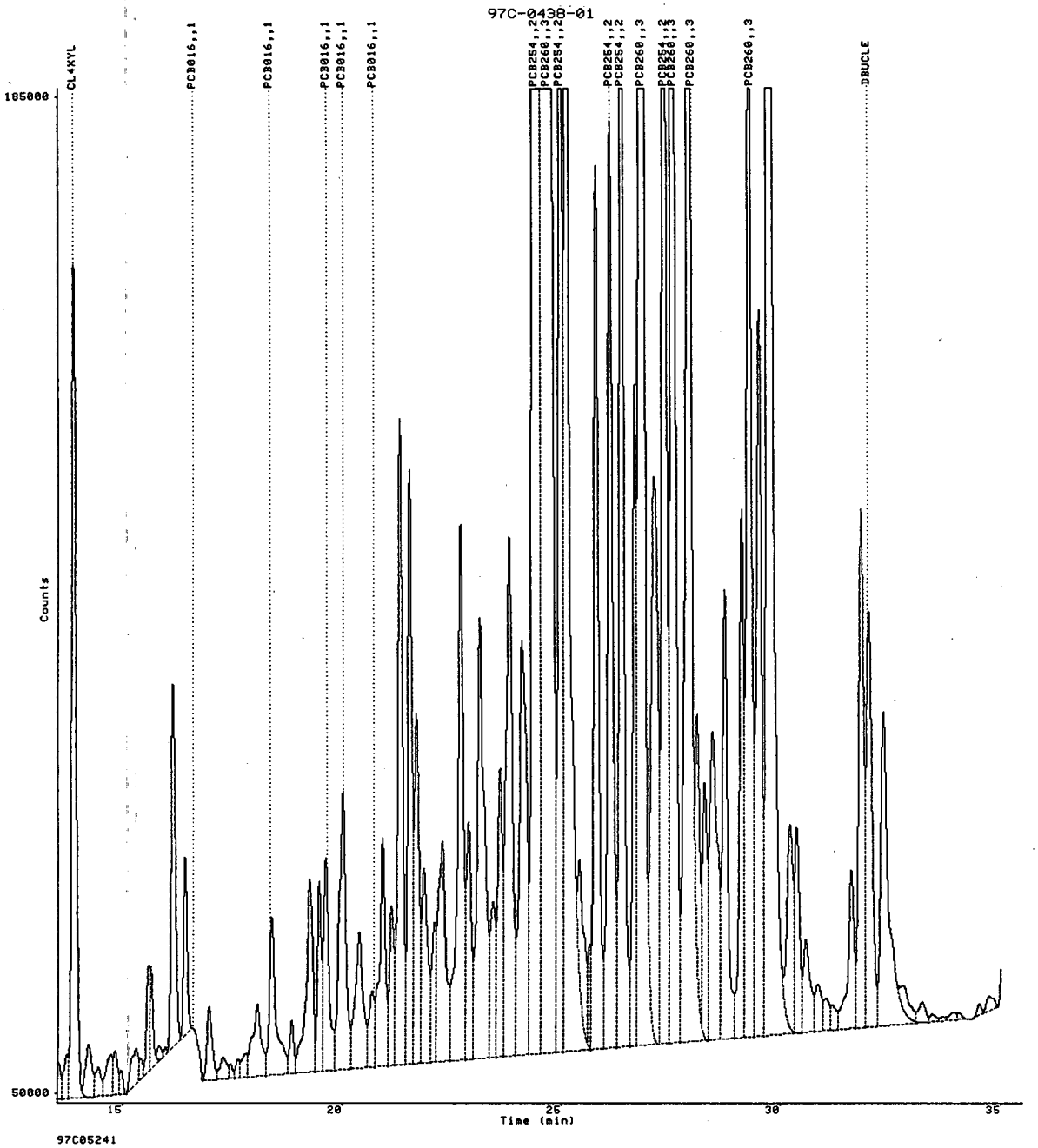
GROUP REPORT

Group	HEIGHT
1	72.17
2	277.8
3	1836

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353063.RAW;1
Report: 1197270273
Acquired: 21-DEC-1997 14:28:34
Time range: 13.50-35.50



00494

Date..... 2-JAN-1998 12:19:39.38 User: TAYLORC
Report number.....1197270274
Raw file.....DISK:[TAYLORC]4797353064.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 15:11:11
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05242
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....140
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.063			88587		BE	
	5.172			10194		EV	
	5.289			15202		EV	
	5.501			1798		VB	
	5.596			1477		BV	
	5.654			11196		VV	
	5.802			4463		VV	
	5.923			8789		VV	
	6.003			4712		VV	
	6.082			7429		VB	
	6.247			2665		BV	
	6.361			3005		VV	
	6.432			4158		VB	
	6.613			16102		BE	
	6.833			2269		EB	

	6.974			675	BV	
	7.124			15033	VV	
	7.247			7039	VV	
	7.371			4649	VV	
	7.530			6137	VB	
	7.709			10867	BV	
	7.940			5215	VV	
	8.058			8359	VV	
	8.240			6749	VV	
	8.435			6246	VV	
	8.659			6637	VV	
	8.764			5631	VB	
	8.993			7530	BV	
	9.115			6580	VV	
	9.184			7174	VB	
	9.419			7687	BV	
	9.536			7733	VV	
	9.601			8422	VV	
	9.699			7596	VV	
	9.841			8156	VV	
	9.946			7689	VV	
	10.108			8202	VV	
	10.406			7229	VV	
	10.583			8141	VB	
	10.923			3104	BB	
	11.247			8113	BV	
	11.508			6712	VV	
	11.700			4287	VV	
	11.780			2164	VB	
	11.946			3905	BV	
	12.007			3595	VV	
	12.225			5718	VV	
	12.486			4943	VV	
	12.724			4834	VV	
	12.901			2200	VV	
	13.000			2735	VV	
	13.173			5213	VV	
	13.330			3214	VV	
	13.512			4366	VV	
	13.720			5858	VV	
CL4XYL	13.863	-1.50	17.09	147277	VE	
	14.209			9889	EV	
	14.436			4862	VV	
	14.746			5919	VV	
	14.959			4478	VV	
	15.295			6648	VV	
	15.413			6247	VV	
	15.573			33275	VE	
	15.824			6207	EV	
	16.005			7309	EV	
	16.147			12962	VV	
	16.424			12226	VV	
PCB016	16.676	-4.79	8.140	8598	VV	1
	16.974			18216	VV	
	17.271			6609	VV	
	17.472			5103	VV	
	17.627			5926	VV	
	17.830			7235	VV	
	18.054			8592	VV	
PCB016	18.408	-2.52	4.432	8079	VV	1

	18.616				8148	VV	
	18.797				6955	VV	
	19.188				18659	VV	
PCB016	19.613	2.79	25.42		22804	VV	1
	19.816				11557	VV	
	19.948				14611	VV	
PCB016	20.023	0.67	6.777		14506	VV	1
	20.372				29257	VV	
PCB016	20.651	3.84	16.87		18142	VV	1
	20.864				19591	VV	
	21.325				162540	VV	
	21.544				99862	VV	
	21.686				42582	VV	
	21.884				35617	VV	
	22.122				21815	VV	
	22.290				18512	VV	
	22.444				19220	VV	
	22.706				64076	VV	
	22.875				35763	VV	
	23.103				36410	VV	
	23.250				70601	VV	
	23.449				39854	VV	
	23.615				63040	VV	
	23.823				247301	VV	
	24.101				131807	VV	
PCB254	24.381	0.52			549566	VV	2
PCB260	24.662	0.10			639850	VV	3
PCB254	24.982	-0.25			434215	VE	2
	25.257				75023	EV	
	25.646				25869	VV	
	25.799				115651	VV	
PCB254	26.112	0.04			260740	VV	2
PCB254	26.372	-0.32			426470	VV	2
	26.678				245039	VV	
PCB260	26.829	0.27			965938	VE	3
	27.104				178257	EV	
PCB254	27.346	0.54			732928	VV	2
PCB260	27.538	1.13			428890	VV	3
PCB260	27.905	3.67			543371	VE	3
	28.156				28075	EV	
	28.262				64429	EV	
	28.492				28860	VV	
	28.728				156143	VV	
	29.117				301688	VV	
PCB260	29.283	2.73	758.1	+	314799	VV	3
	29.512				246466	VV	
	29.746				714384	VE	
	30.234				65640	EV	
	30.372				75520	EV	
	30.580				33607	VV	
	30.852				10666	VV	
	31.190				5200	VV	
	31.613				46172	VV	
	31.838				201229	VV	
DBUCLE	32.009	-1.56	100.5		116087	VV	
	32.343				98397	VE	
	32.790				18813	EV	
	33.218				10761	VV	
	33.443				6061	VV	
	33.713				2228	VV	

33.938	1342	VV
34.066	2061	VB
34.349	153	BB
34.523	2335	BV
34.737	5338	VB

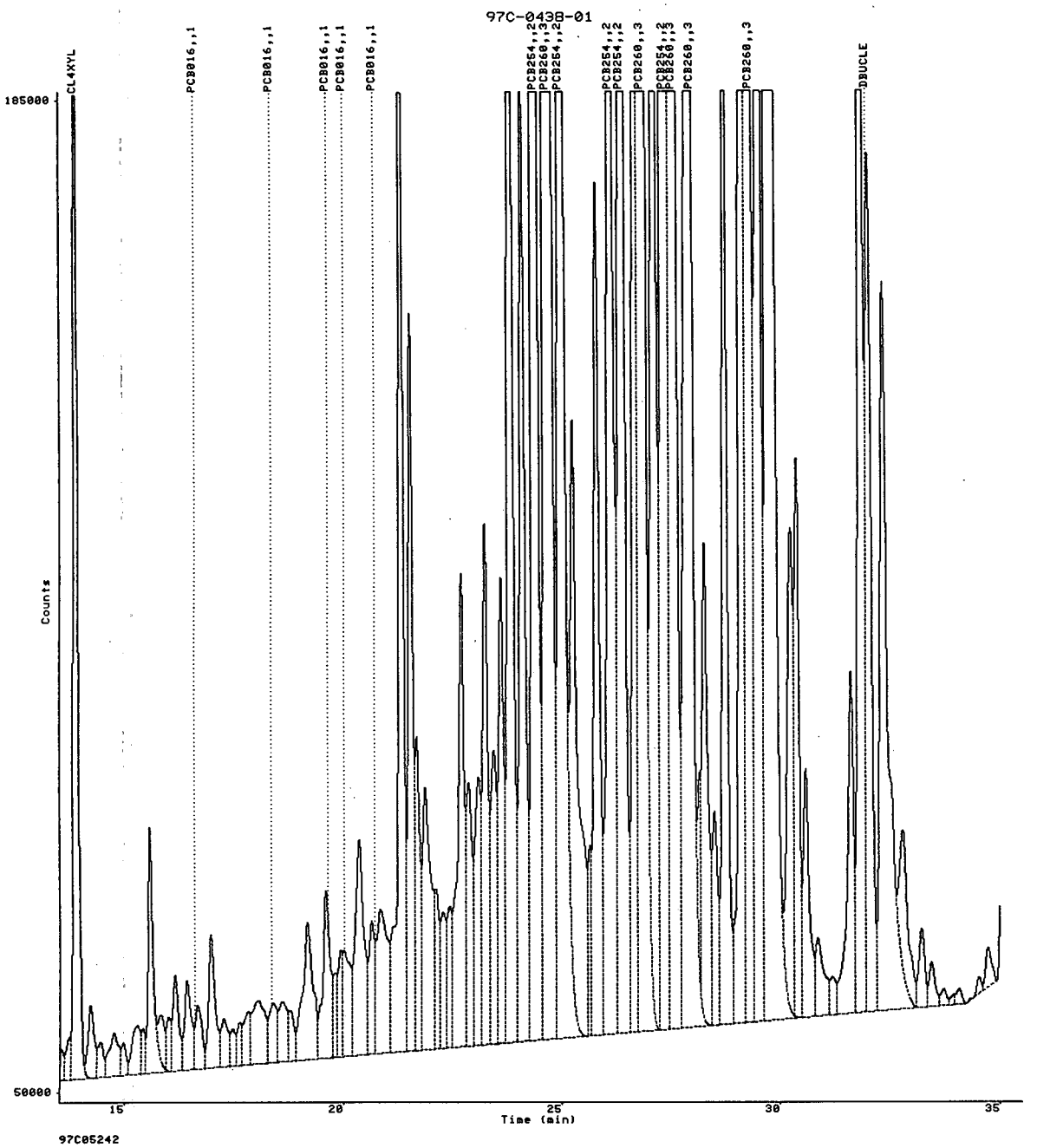
GROUP REPORT

Group	HEIGHT
1	61.63
3	758.1

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353064.RAW;1
Report: 1197270274
Acquired: 21-DEC-1997 15:11:11
Time range: 13.50-35.50



00499

Date..... 2-JAN-1998 12:19:45.26 User: TAYLORC
Report number.....1197270275
Raw file.....DISK:[TAYLORC]4797353065.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 15:53:50
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05243
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....141
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.066			107973		BE	
	5.169			10656		EV	
	5.218			15289		EV	
	5.289			17306		EV	
	5.317			17985		VE	
	5.430			513		EB	
	5.654			10182		BV	
	5.736			7645		VV	
	5.826			16546		VV	
	5.921			10543		VV	
	6.007			7249		VV	
	6.079			13258		VV	
	6.234			4421		VV	
	6.288			3942		VV	
	6.360			6772		VV	

	6.431			5642	VV	
	6.612			18551	VE	
	6.827			3755	EB	
	6.973			2351	BV	
	7.086			28051	VV	
	7.262			7020	VV	
	7.362			4952	VV	
	7.469			3835	VV	
	7.530			4809	VB	
	7.697			14677	BV	
	7.938			6020	VV	
	8.055			7508	VV	
	8.186			6219	VV	
	8.262			11699	VV	
	8.444			4879	VV	
	8.545			3824	VV	
	8.659			5081	VV	
	8.767			5144	VB	
	8.931			6740	BV	
	8.976			6619	VV	
	9.109			5566	VV	
	9.172			5797	VB	
	9.415			5631	BV	
	9.535			6350	VV	
	9.594			6614	VV	
	9.715			5902	VV	
	9.834			5346	VV	
	10.006			7585	VV	
	10.434			5900	VV	
	10.611			10459	VB	
	10.934			4623	BV	
	11.250			7508	VV	
	11.503			14828	VV	
	11.689			4352	VV	
	11.959			3874	VV	
	12.250			34912	VE	
	12.458			3081	EV	
	12.723			3634	VV	
	12.890			2038	VV	
	12.991			1995	VB	
	13.174			3631	BV	
	13.343			3799	VV	
	13.475			2970	VV	
CL4XYL	13.860	-1.32	14.37	124312	VE	
	14.206			13724	EV	
	14.442			3020	EV	
	14.661			3794	VV	
	14.835			6788	VV	
	15.194			3374	VV	
	15.295			4400	VV	
	15.408			2321	VV	
	15.579			15663	VB	
	16.141			63607	BV	
	16.416			22620	VV	
PCB016	16.610	-0.84	7.871	8318	VV	1
	16.969			16941	VE	
	17.263			2214	EV	
	17.487			1576	EV	
	17.637			2610	VV	
	17.838			2370	VV	

	17.950				4469	VV	
	18.070				11282	VV	
PCB016	18.401	-2.13	15.10		26860	VV	1
	18.866				19973	VV	
	19.268				56813	VV	
	19.477				37753	VV	
PCB016	19.631	1.75	44.77		38925	VE	1
	19.802				202	EV	
PCB016	20.024	0.59	23.18		48218	VV	1
	20.407				32789	VV	
PCB016	20.654	3.66	16.11		17346	VV	1
	20.924				66696	VV	
	21.126				39387	VV	
	21.324				232833	VV	
	21.543				189790	VV	
	21.686				150252	VV	
	21.877				40001	VV	
	22.100				30373	VV	
	22.230				58580	VV	
	22.701				156699	VV	
	22.886				66241	VV	
	23.137				75917	VV	
	23.236				56869	VV	
	23.436				25834	VV	
	23.600				62253	VV	
	23.819				107733	VV	
	24.101				113349	VV	
PCB254	24.391	-0.07			485782	VV	2
PCB260	24.651	0.78			364067	VV	3
PCB254	24.981	-0.19			235240	VV	2
	25.116				260413	VE	
	25.409				15765	EV	
	25.523				12311	EV	
	25.646				17204	EV	
	25.790				170101	VV	
PCB254	26.112	0.04			169472	VV	2
PCB254	26.372	-0.27			215797	VV	2
	26.677				110370	VV	
PCB260	26.827	0.43	1476	+	597778	VE	3
	27.123				95596	EV	
PCB254	27.345	0.58			288517	VV	2
PCB260	27.535	1.34	311.3	+	208166	VV	3
PCB260	27.902	3.86	323.4	+	235276	VE	3
	28.100				36460	EV	
	28.259				37859	EV	
	28.422				36422	VV	
	28.726				68513	VV	
	29.114				101902	VV	
PCB260	29.282	2.78	361.7	+	162452	VV	3
	29.511				114554	VV	
	29.742				298250	VE	
	30.220				27307	EV	
	30.374				29791	EV	
	30.576				9565	VV	
	30.841				6935	VV	
	31.613				22959	VV	
	31.833				79398	VV	
DBUCLE	32.006	-1.35	45.06		48790	VV	
	32.341				47028	VE	
	32.779				5702	EV	

33.225	2946	VV
33.423	1123	VB
33.938	505	BB
34.284	28	BB
34.525	1822	BV
34.740	2338	VB

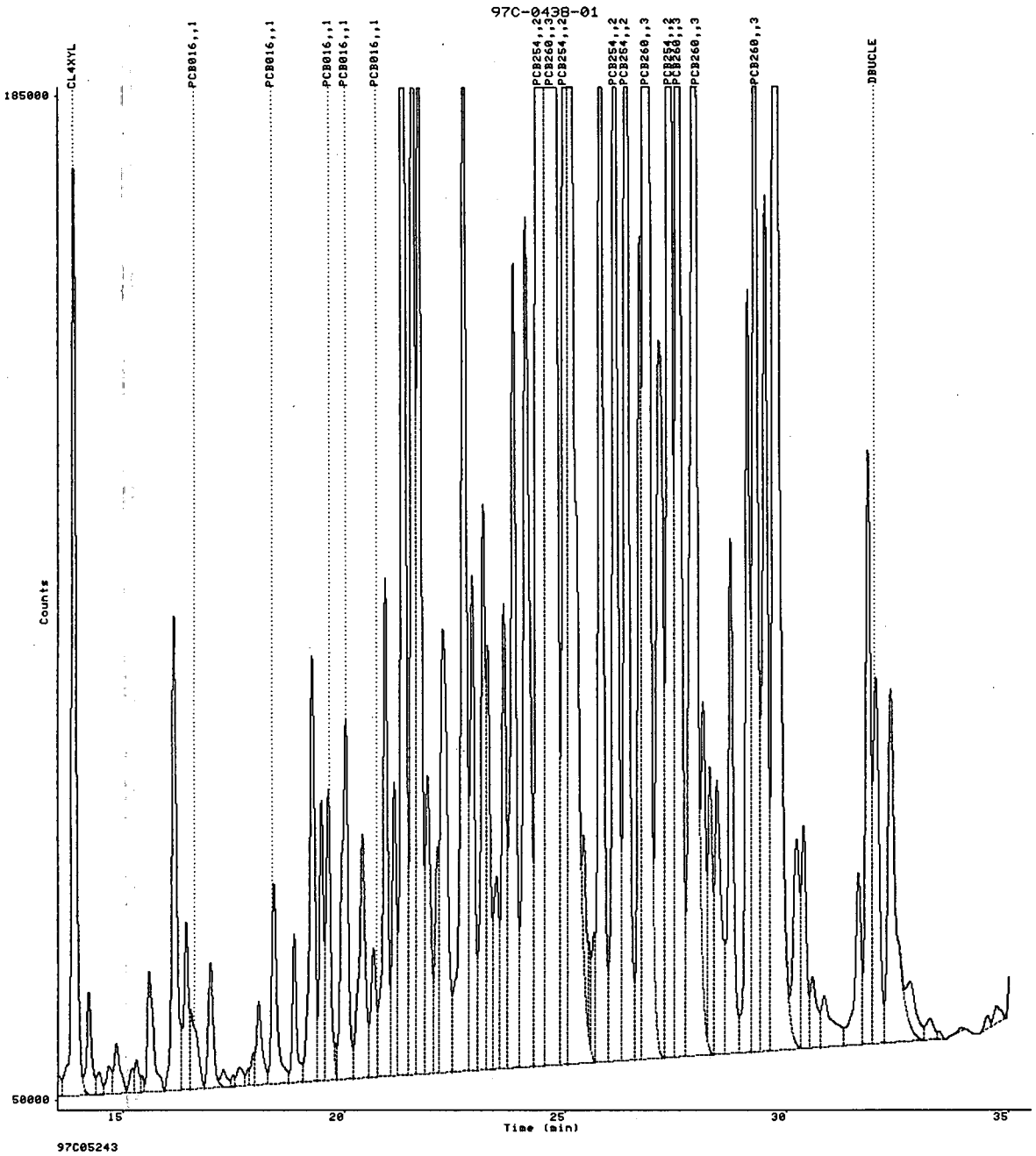
GROUP REPORT

Group	HEIGHT
1	107.0
3	2472

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353065.RAW;1
Report: 1197270275
Acquired: 21-DEC-1997 15:53:50
Time range: 13.50-35.50



00504

Date..... 2-JAN-1998 12:19:50.11 User: TAYLORC
Report number.....1197270276
Raw file.....DISK:[TAYLORC]4797353066.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 16:36:26
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05244
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....138
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.056			90994		BE	
	5.174			10401		EV	
	5.217			13037		EV	
	5.309			21294		EV	
	5.452			3037		VB	
	5.656			14025		BV	
	5.733			9822		VV	
	5.785			9139		VV	
	5.926			11470		VV	
	6.011			8189		VV	
	6.081			16649		VV	
	6.233			4960		VV	
	6.364			7311		VV	
	6.437			5834		VV	
	6.615			23127		VV	

00505

	6.828			7310	VB	
	6.968			1926	BV	
	7.112			23069	VV	
	7.268			7678	VV	
	7.537			7632	VB	
	7.698			12998	BV	
	7.942			6164	VV	
	8.054			9485	VV	
	8.190			5679	VV	
	8.265			13017	VV	
	8.439			5737	VV	
	8.551			4552	VV	
	8.659			6134	VV	
	8.768			5372	VB	
	8.983			6918	BV	
	9.100			6334	VV	
	9.180			6880	VB	
	9.421			6842	BV	
	9.537			7184	VV	
	9.599			7654	VV	
	9.720			6837	VV	
	9.828			5870	VV	
	10.050			8486	VV	
	10.426			6758	VV	
	10.608			8765	VB	
	10.931			5752	BV	
	11.247			7537	VV	
	11.328			6150	VV	
	11.516			10609	VV	
	11.696			4927	VV	
	11.967			4672	VV	
	12.252			26070	VE	
	12.500			4877	EV	
	12.748			5631	VV	
	12.898			2952	VV	
	12.992			3032	VB	
	13.178			4783	BV	
	13.335			4636	VV	
	13.497			7776	VV	
CL4XYL	13.865	-1.62	17.93	154359	VE	
	14.212			11353	EV	
	14.355			5232	EV	
	14.670			5561	VV	
	14.826			10838	VV	
	14.959			5406	VV	
	15.245			4981	VV	
	15.415			4734	VV	
	15.575			21124	VV	
	15.848			7084	VV	
	16.145			69256	VE	
	16.418			14557	EV	
PCB016	16.653	-3.43	8.020	8473	EV	1
	16.972			20058	VE	
	17.262			3653	EV	
	17.469			3213	EV	
	17.661			3917	VV	
	17.952			7960	VV	
	18.071			10973	VV	
PCB016	18.402	-2.16	14.27	25433	VV	1
	18.862			9118	VV	

	19.267				42093	VV	
	19.482				33595	VV	
PCB016	19.634	1.56	45.37		39401	VV	1
PCB016	20.024	0.60	20.93		43710	VV	1
	20.401				24137	VV	
PCB016	20.674	2.48	13.40		14502	VV	1
	20.822				13142	VV	
	20.926				29171	VV	
	21.136				19920	VV	
	21.326				177123	VV	
	21.545				146632	VV	
	21.694				79951	VV	
	21.874				37635	VV	
	22.107				24642	VV	
	22.289				45342	VV	
	22.704				103090	VV	
	22.885				41713	VV	
	23.144				89016	VV	
	23.446				25850	VV	
	23.604				45343	VV	
	23.797				124790	VV	
	24.110				80393	VV	
PCB254	24.394	-0.23			456096	VV	2
PCB260	24.649	0.88			400529	VV	3
PCB254	24.983	-0.29			227753	VV	2
	25.120				296023	VE	
	25.416				24266	EV	
	25.641				16387	EV	
	25.795				122767	VV	
PCB254	26.113	0.02			179103	VV	2
PCB254	26.374	-0.42			204577	VV	2
	26.679				117945	VV	
PCB260	26.829	0.27	1413	+	581387	VE	3
	27.113				104580	EV	
PCB254	27.349	0.38			299206	VV	2
PCB260	27.538	1.15	348.7	+	223644	VV	3
PCB260	27.905	3.68	352.2	+	252622	VV	3
	28.099				65656	VV	
	28.285				43988	VV	
	28.405				72710	VV	
	28.729				71283	VV	
	29.117				121145	VV	
PCB260	29.281	2.79	372.5	+	166958	VV	3
	29.514				123561	VV	
	29.744				328971	VE	
	30.223				32632	EV	
	30.370				34993	EV	
	30.581				12448	VV	
	30.849				3656	VV	
	31.032				1423	VB	
	31.613				22888	BV	
	31.837				84760	VV	
DBUCLE	32.013	-1.81	65.45		72601	VV	
	32.343				49599	VV	
	32.787				12786	VV	
	33.221				4969	VV	
	33.442				2035	VB	
	33.726				440	BV	
	33.931				860	VV	
	34.066				1172	VB	

34.310	87	BB
34.528	1958	BV
34.752	2494	VB

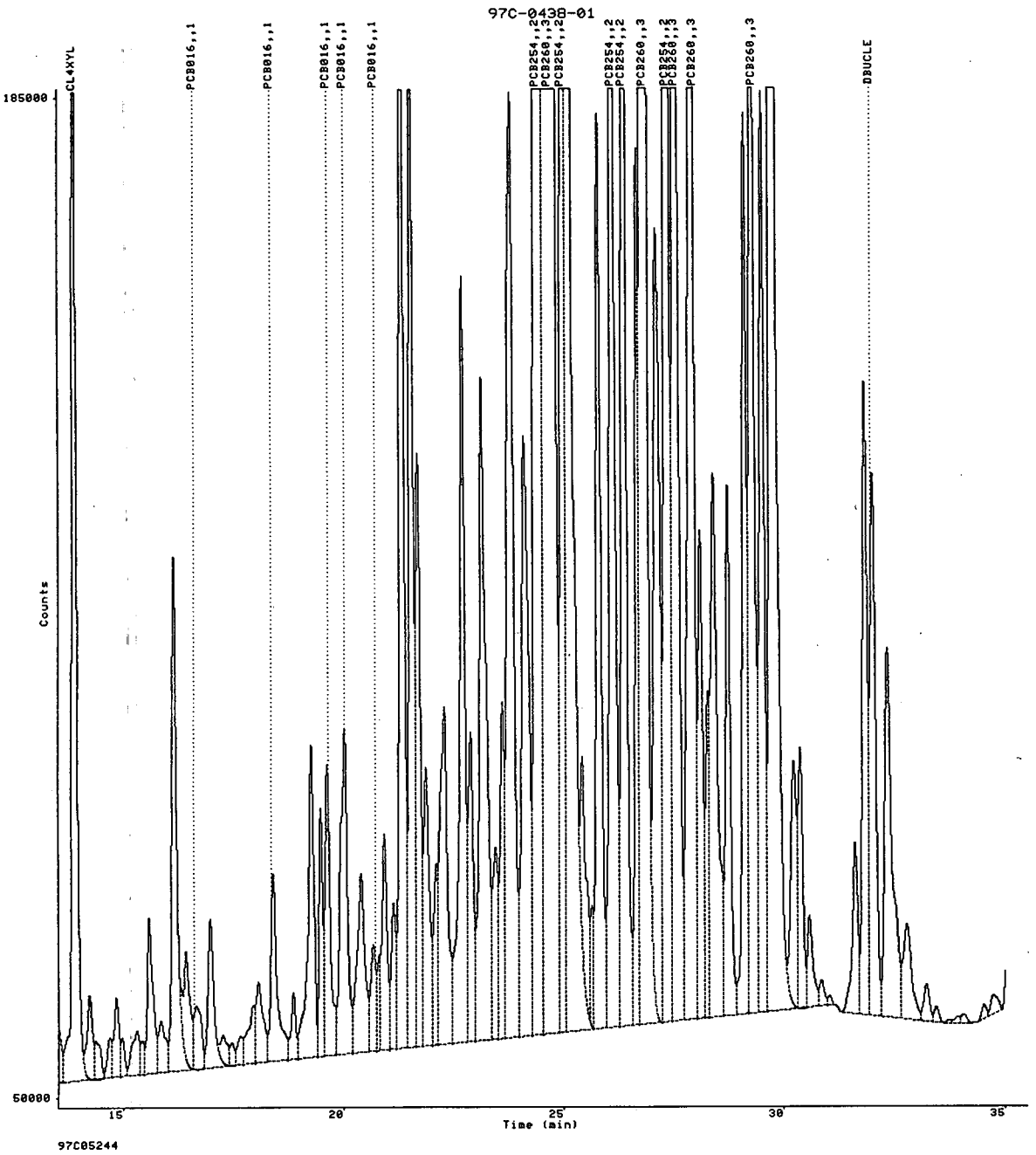
GROUP REPORT

Group	HEIGHT
1	102.0
3	2487

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353066.RAW;1
Report: 1197270276
Acquired: 21-DEC-1997 16:36:26
Time range: 13.50-35.50



00509

Date..... 2-JAN-1998 12:19:56.73 User: TAYLORC
Report number.....1197270278
Raw file.....DISK:[TAYLORC]4797353067.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 17:19:05
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....RINSE
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....163
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.60	PCB016	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.443			3320			BB	
	5.838			980			BV	
	5.955			565			VV	
	6.033			286			VB	
	6.369			29			BB	
	6.555			47			BV	
	6.631			88			VV	
	6.728			140			VB	

00510

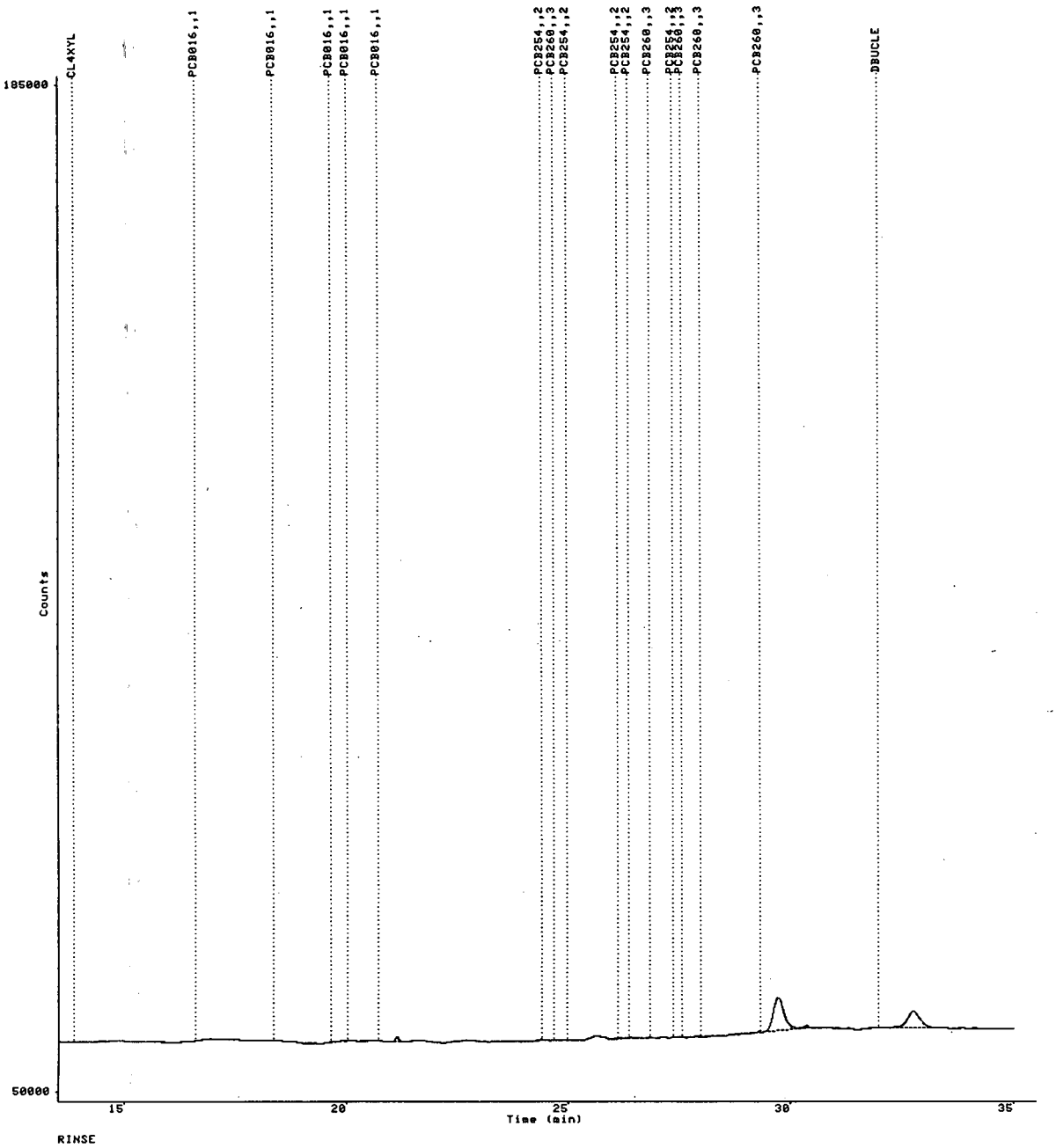
	6.908			30	BB	
	7.229			24	BV	
	7.334			69	VV	
	7.374			83	VB	
	8.078			115	BB	
	8.414			42	BB	
	8.595			40	BB	
	8.826			24	BB	
	9.104			18	BB	
	9.539			41	BB	
	9.757			710	BB	
	10.166			39	BB	
	10.324			82	BB	
	10.857			24	BV	
	11.038			33	BB	
	11.168			25	BB	
	11.250			26	BB	
	11.489			44	BV	
	11.529			40	VB	
	11.991			31	BV	
	12.051			33	VB	
	12.205			18	BB	
	12.447			73	BV	
	12.560			29	VB	
	12.715			19	BV	
	12.784			20	VB	
	12.945			17	BB	
	13.082			26	BB	
	13.484			16	BB	
	13.693			6	BV	
	13.769			26	VB	
CL4XYL	13.897	-3.55	6.119E-06	18	BB	
	14.218			29	BV	
	14.301			20	VV	
	14.357			20	VB	
	14.534			107	BB	
	14.746			33	BB	
	14.886			23	BB	
	15.311			21	BB	
	15.452			18	BV	
	15.492			35	VB	
	15.661			8	BB	
	16.409			40	BB	
	16.804			90	BV	
	16.946			56	VB	
	17.155			26	BB	
	17.440			19	BB	
	17.822			33	BV	
	17.902			20	VB	
PCB016	18.368	-0.14	2.444E-05	15	BB	1
	19.090			36	BV	
	19.128			35	VV	
	19.202			34	VB	
	19.293			25	BB	
PCB016	19.663	-0.18	2.538E-04	79	BV	1
	19.851			87	VV	
PCB016	20.047	-0.76	3.741E-05	27	VB	1
	20.134			10	BB	
	20.552			21	BB	
PCB016	20.672	2.56	3.251E-05	12	BB	1

	21.147			635	BE	
	21.328			24	EB	
	21.548			57	BB	
	21.709			12	BB	
	21.819			26	BB	
	22.308			28	BB	
	22.698			29	BB	
	23.083			21	BB	
	23.422			33	BV	
	23.542			23	VB	
	23.700			33	BB	
	24.142			58	BV	
	24.192			36	VB	
PCB254	24.391	-0.08	2.926E-04	160	BB	2
PCB260	24.671	-0.45	4.379E-04	69	BB	3
	24.889			34	BV	
PCB254	24.971	0.45	3.080E-04	66	VB	2
	25.167			16	BB	
	25.548			71	BB	
PCB254	26.123	-0.59	4.143E-04	73	BV	2
PCB254	26.385	-1.08	3.409E-04	105	VB	2
	26.641			30	BB	
PCB260	26.837	-0.15	9.553E-04	176	BB	3
	27.100			24	BB	
	27.181			19	BB	
PCB254	27.352	0.19	1.218E-04	38	BB	2
PCB260	27.529	1.67	2.275E-04	68	BB	3
PCB260	27.924	2.51	5.161E-04	145	BB	3
	28.152			34	BV	
	28.278			40	VV	
	28.346			45	VV	
	28.413			37	VB	
	28.609			38	BV	
	28.795			85	VV	
	28.958			86	VV	
	29.018			65	VV	
	29.153			83	VV	
PCB260	29.293	2.12	7.125E-04	114	VV	3
	29.723			4406	VE	
	30.199			120	EV	
	30.358			313	EB	
	30.622			18	BB	
	31.044			31	BB	
	31.300			15	BB	
	31.845			86	BV	
DBUCLE	31.965	1.07	1.523E-04	52	VB	
	32.311			97	BV	
	32.758			2200	VB	
	33.390			14	BV	
	33.455			19	VB	
	33.826			25	BB	
	34.101			33	VV	
	34.167			18	VB	
	34.308			13	BB	
	34.408			25	BV	
	34.466			34	VV	
	34.530			26	VB	
	34.644			24	BB	

GROUP REPORT

Group	HEIGHT
1	3.482E-04
2	1.478E-03
3	2.849E-03

Data file: DISK:[TAYLORC]4797353067.RAW;1
Report: 1197270278
Acquired: 21-DEC-1997 17:19:05
Time range: 13.50-35.50



00514

Date..... 2-JAN-1998 12:20:13.07 User: TAYLORC
Report number.....1197270280
Raw file.....DISK:[TAYLORC]4797353069.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 18:44:19
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05245
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....137
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.073			62589		BE	
	5.227			12709		EV	
	5.342			7176		EV	
	5.499			5496		VB	
	5.657			507		BV	
	5.822			9467		VV	
	5.929			4222		VV	
	5.991			4195		VV	
	6.076			5691		VV	
	6.237			4193		VV	
	6.298			4734		VV	
	6.365			4002		VV	
	6.432			4429		VV	
	6.616			7794		VV	
	6.794			3647		VV	

	7.074			24693	VE	
	7.271			237	EV	
	7.375			7025	VV	
	7.475			5170	VV	
	7.528			5383	VB	
	7.704			11169	BV	
	7.933			4698	VV	
	8.105			5787	VV	
	8.266			11045	VV	
	8.428			6494	VV	
	8.666			5658	VV	
	8.763			6663	VB	
	8.942			6236	BV	
	8.982			6417	VV	
	9.124			6010	VV	
	9.185			6338	VB	
	9.421			5563	BV	
	9.533			6611	VV	
	9.601			6765	VV	
	9.712			6939	VV	
	9.835			6745	VV	
	10.014			8859	VV	
	10.435			6496	VV	
	10.615			18959	VB	
	10.935			5415	BV	
	11.251			10749	VV	
	11.505			14791	VV	
	11.697			4982	VB	
	11.964			3442	BV	
	12.251			42719	VE	
	12.479			1239	EB	
	12.724			1589	BB	
	12.897			1401	BV	
	12.991			2234	VB	
	13.174			5007	BV	
	13.339			4284	VV	
	13.477			4671	VV	
	13.720			6102	VV	
CL4XYL	13.863	-1.50	14.69	127043	VE	
	14.209			16426	EV	
	14.441			4982	VV	
	14.668			4891	VV	
	14.822			7179	VV	
	14.954			3656	VV	
	15.249			5187	VV	
	15.413			4019	VV	
	15.580			16185	VV	
	15.836			4690	VV	
	15.987			3762	VV	
	16.143			72284	VV	
	16.419			25654	VV	
PCB016	16.632	-2.16	8.120	8578	VV	1
	16.972			17247	VE	
	17.277			3303	EV	
	17.473			2560	EV	
	17.628			3132	VV	
	17.832			3559	VV	
	18.071			10834	VV	
PCB016	18.403	-2.19	14.07	25081	VV	1
	18.864			11725	VV	

	19.268				45898	VV	
	19.482				34017	VV	
PCB016	19.632	1.71	42.20		36848	VV	1
PCB016	20.026	0.47	23.47		48812	VV	1
	20.405				25255	VV	
PCB016	20.663	3.13	14.55		15712	VV	1
	20.927				49698	VV	
	21.130				29287	VV	
	21.326				192433	VV	
	21.545				152310	VV	
	21.690				109209	VV	
	21.878				36846	VV	
	22.109				25330	VV	
	22.255				46196	VV	
	22.704				124198	VV	
	22.888				51056	VV	
	23.139				66116	VV	
	23.241				50193	VV	
	23.443				24458	VV	
	23.603				59244	VV	
	23.819				112772	VV	
	24.105				100542	VV	
PCB254	24.395	-0.31			495553	VV	2
PCB260	24.655	0.57			392757	VV	3
PCB254	24.984	-0.36			237585	VV	2
	25.121				293327	VE	
	25.413				17267	EV	
	25.521				11927	EV	
	25.646				17535	EV	
	25.791				169180	VV	
PCB254	26.113	0.02			180405	VV	2
PCB254	26.373	-0.37			219171	VV	2
	26.678				116995	VV	
PCB260	26.830	0.26	1609	+	630333	VE	3
	27.119				100747	EV	
PCB254	27.346	0.52			310856	VV	2
PCB260	27.536	1.26	347.0	+	222993	VV	3
PCB260	27.903	3.78	362.6	+	258721	VE	3
	28.098				40827	EV	
	28.264				39259	EV	
	28.415				41593	VV	
	28.727				73556	VV	
	29.114				116321	VV	
PCB260	29.282	2.76	390.1	+	174276	VV	3
	29.510				122770	VV	
	29.742				329411	VE	
	30.221				28794	EV	
	30.375				30653	EV	
	30.577				7611	VV	
	30.845				3443	VB	
	31.613				24336	BV	
	31.834				89879	VV	
DBUCLE	32.008	-1.48	52.00		56778	VV	
	32.341				54128	VE	
	32.795				4741	EV	
	33.228				3382	VV	
	33.430				1069	VB	
	33.946				1360	BV	
	34.038				1305	VE	
	34.283				26	EB	

34.523	2302	BV
34.743	2864	VB

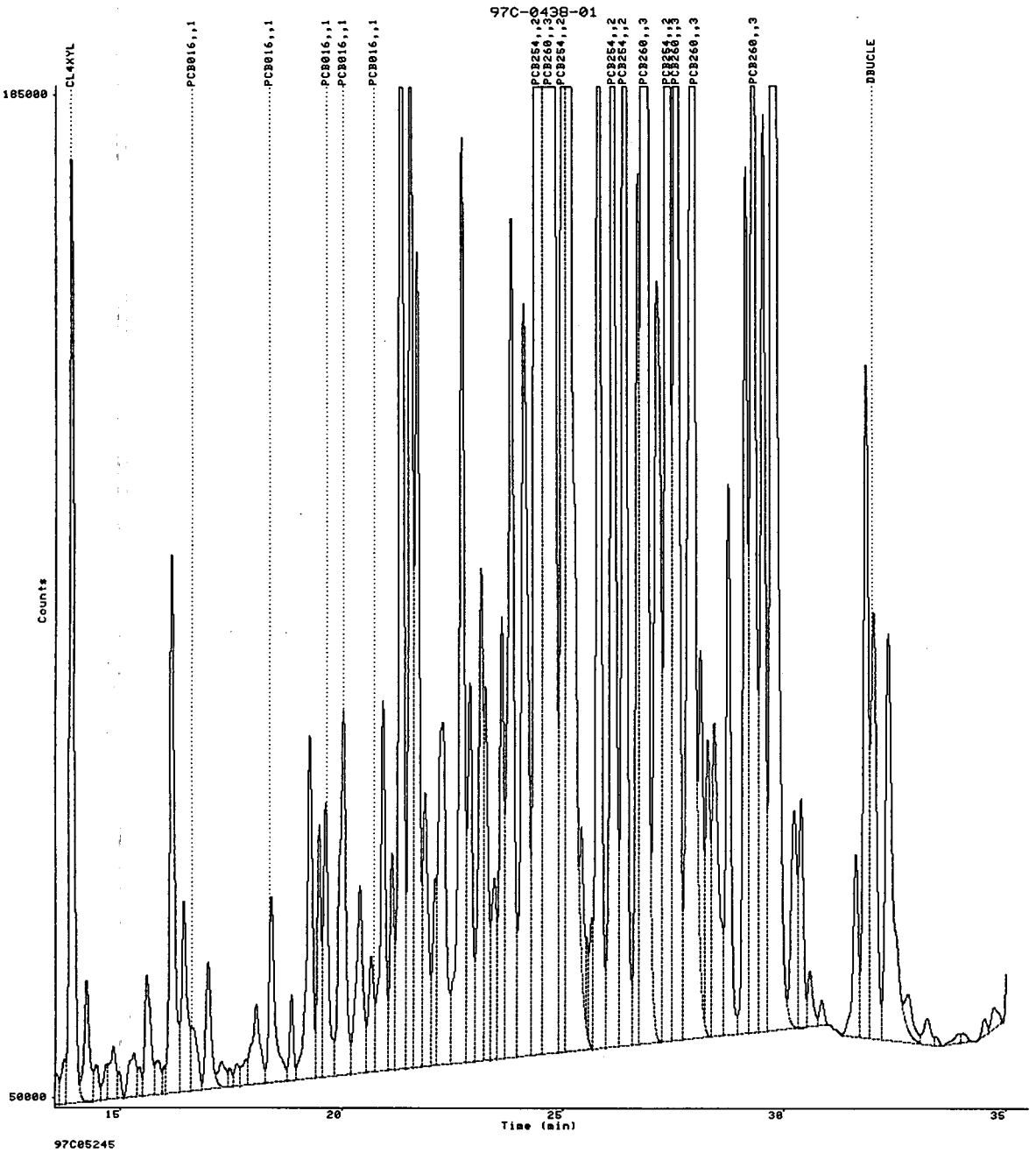
GROUP REPORT

Group	HEIGHT
1	102.4
3	2709

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353069.RAW;1
Report: 1197270280
Acquired: 21-DEC-1997 18:44:19
Time range: 13.50-35.50



00519

Date..... 2-JAN-1998 12:20:18.42 User: TAYLORC
Report number.....1197270281
Raw file.....DISK:[TAYLORC]4797353070.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 19:26:53
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05246
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....139
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.077			103479		BE	
	5.225			14005		EV	
	5.345			10653		EV	
	5.503			5313		VB	
	5.656			826		BV	
	5.747			4797		VV	
	5.821			6972		VV	
	5.932			2077		VV	
	6.011			3354		VV	
	6.079			6662		VV	
	6.231			3547		VV	
	6.299			3424		VV	
	6.365			2122		VV	
	6.461			2982		VV	
	6.615			6962		VV	

000520

	6.786			4489	VV	
	7.075			23874	VE	
	7.282			3606	EV	
	7.371			4942	EV	
	7.533			5139	EB	
	7.701			15445	BV	
	7.935			4369	VV	
	8.056			5588	VV	
	8.176			6084	VV	
	8.267			12434	VV	
	8.427			5644	VV	
	8.668			4902	VV	
	8.766			5234	VB	
	8.973			5883	BV	
	9.111			5275	VV	
	9.181			5205	VB	
	9.417			2716	BV	
	9.539			1086	VB	
	9.720			1134	BV	
	9.833			1289	VV	
	10.047			4659	VB	
	10.452			5199	BV	
	10.611			7144	VB	
	10.916			5840	BV	
	11.248			8071	VV	
	11.324			6159	VV	
	11.514			9529	VV	
	11.699			4668	VV	
	11.961			4306	VV	
	12.251			21144	VE	
	12.471			3870	EV	
	12.748			4424	VV	
	12.896			2751	VV	
	12.992			2879	VB	
	13.175			4249	BV	
	13.332			4149	VV	
	13.495			6545	VV	
	13.725			5715	VV	
CL4XYL	13.864	-1.58	19.42	166837	VE	
	14.209			10876	EV	
	14.350			4809	EV	
	14.663			5463	VV	
	14.828			10369	VV	
	14.955			5113	VV	
	15.315			5710	VV	
	15.414			4552	VV	
	15.575			22320	VV	
	15.847			6165	VV	
	16.144			82653	VE	
	16.415			14967	EV	
PCB016	16.657	-3.64	8.518	8993	EV	1
	16.970			21242	VE	
	17.258			3725	EV	
	17.471			3176	EV	
	17.652			3991	VV	
	18.071			11154	VV	
PCB016	18.399	-2.00	16.64	29490	VE	1
	18.715			151	EV	
	18.862			11799	VV	
	19.266			44585	VV	

	19.481				39074	VV	
PCB016	19.634	1.58	48.75		42104	VV	1
PCB016	20.022	0.71	21.92		45701	VV	1
	20.402				29947	VV	
PCB016	20.670	2.70	15.29		16488	VV	1
	20.924				35227	VV	
	21.131				23896	VV	
	21.323				206026	VV	
	21.541				170668	VV	
	21.692				96528	VV	
	21.871				42859	VV	
	22.208				60439	VV	
	22.284				58768	VV	
	22.701				115958	VV	
	22.882				48618	VV	
	23.139				98682	VV	
	23.481				39136	VV	
	23.600				60755	VV	
	23.800				129108	VV	
	24.117				95517	VV	
PCB254	24.402	-0.69			529361	VV	2
	24.575				408071	VV	
PCB260	24.641	1.38			458738	VV	3
PCB254	24.979	-0.07			254649	VV	2
	25.117				406050	VE	
	25.413				24717	EV	
	25.526				22331	EV	
	25.634				19451	EV	
	25.792				146087	VV	
PCB254	26.110	0.16			193556	VV	2
PCB254	26.371	-0.26			226387	VV	2
	26.677				130040	VV	
PCB260	26.825	0.56	1869	+	683584	VE	3
	27.112				118638	EV	
PCB254	27.345	0.59			310814	VV	2
PCB260	27.536	1.25	457.1	+	256859	VV	3
PCB260	27.902	3.86	413.0	+	287248	VV	3
	28.097				80797	VV	
	28.268				48549	VV	
	28.408				60792	VV	
	28.582				24352	VV	
	28.726				82539	VV	
	29.114				128323	VV	
PCB260	29.280	2.88	436.8	+	193371	VV	3
	29.510				143441	VV	
	29.740				372722	VE	
	30.219				37229	EV	
	30.368				39872	EV	
	30.578				13655	VV	
	30.845				4549	VV	
	31.033				1290	VB	
	31.610				28303	BV	
	31.834				97101	VV	
DBUCLE	32.010	-1.61	70.96		79229	VV	
	32.340				64267	VV	
	32.777				16152	VV	
	33.216				5437	VV	
	33.432				2286	VB	
	33.727				483	BV	
	33.933				1233	VV	

34.059	1296	VB
34.322	77	BB
34.523	3350	BV
34.744	3116	VB

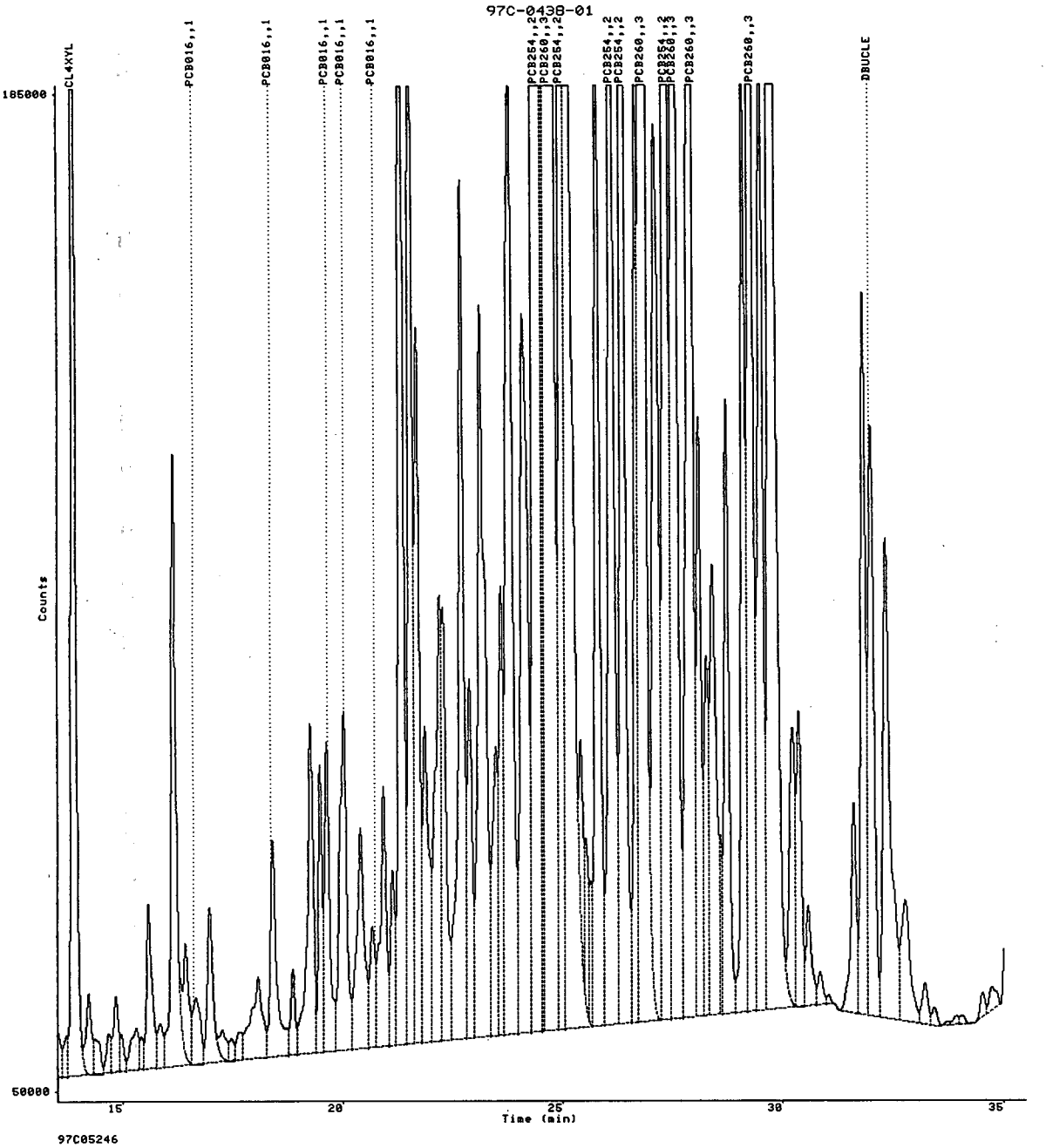
GROUP REPORT

Group	HEIGHT
1	111.1
3	3176

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353070.RAW;1
Report: 1197270281
Acquired: 21-DEC-1997 19:26:53
Time range: 13.50-35.50



00524

Date..... 2-JAN-1998 12:20:23.64 User: TAYLORC
Report number.....1197270282
Raw file.....DISK:[TAYLORC]4797353071.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 20:09:31
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05247
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....128
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
24.39	PCB254	2	
24.66	PCB260	3	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.049			64516		BE	
	5.175			6153		EV	
	5.311			94288		VV	
	5.444			25378		VB	
	5.655			10648		BV	
	5.733			21138		VV	
	5.924			7238		VV	

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	6.013			7216	VV	
	6.080			11784	VV	
	6.259			3698	VV	
	6.369			198029	VE	
	6.613			16959	EV	
	6.829			4310	EB	
	6.965			986	BV	
	7.074			77395	VE	
	7.376			9537	EV	
	7.530			2505	EV	
	7.689			10055	VB	
	7.953			5538	BV	
	8.054			3766	VB	
	8.255			3621	BB	
	8.506			3634	BB	
	8.685			1636	BV	
	8.790			1809	VV	
	8.919			15986	VV	
	9.115			38904	VE	
	9.248			764	EB	
	9.426			1664	BV	
	9.523			2238	VV	
	9.593			1578	VV	
	9.715			2366	VB	
	10.038			2419	BB	
	10.276			4693	BB	
	10.570			1515	BB	
	10.767			1354	BV	
	10.900			921	VB	
	11.151			2513	BV	
	11.255			2153	VB	
	11.507			44564	BE	
	11.703			1002	EB	
	11.932			918	BB	
	12.257			5730	BV	
	12.344			3930	VB	
	12.802			3432	BE	
	12.972			506	EB	
	13.262			8377	BV	
	13.358			19317	VB	
	13.713			3745	BV	
CL4XYL	13.865	-1.60	11.52	100062	VB	
	14.206			208751	BB	
	14.535			1544	BB	
	14.999			9482	BV	
	15.181			12049	VV	
	15.307			29914	VV	
	15.576			281128	VV	
	15.886			102577	VV	
	16.076			123483	VV	
	16.320			280773	VV	
	16.509			93126	VV	
PCB016	16.639	-2.58	110.4	99481	VV	1
	16.971			168868	VV	
	17.309			65823	VV	
	17.543			72073	VV	
	17.748			70422	VV	
	17.957			918277	VV	
PCB016	18.403	-2.23		486277	VE	1
	18.692			87923	EV	

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	18.868				319310	VV	
	19.284				827797	VV	
	19.482				918961	VV	
PCB016	19.642	1.11			833454	VE	1
	19.813				121814	EV	
PCB016	20.026	0.46			547000	VV	1
	20.303				385230	VV	
	20.422				541268	VV	
PCB016	20.646	4.14			540637	VV	1
	20.804				334278	VV	
	20.923				567681	VV	
	21.124				369324	VV	
	21.333				916121	VV	
	21.561				913673	VV	
	21.687				814454	VV	
	21.879				346081	VV	
	22.097				300595	VV	
	22.248				511605	VV	
	22.712				917173	VV	
	22.890				745966	VV	
	23.140				737497	VV	
	23.243				639420	VV	
	23.393				462872	VV	
	23.601				726314	VV	
	23.827				609877	VV	
	24.097				751270	VV	
	24.538				909006	VV	
PCB254	24.987	-0.56			909373	VV	2
	25.119				911230	VV	
	25.421				546697	VV	
	25.534				520046	VV	
	25.797				790731	VV	
PCB254	26.129	-0.98			775702	VV	2
PCB254	26.388	-1.24			687196	VV	2
	26.690				589965	VV	
PCB260	26.842	-0.47			914588	VV	3
	27.105				584917	VV	
	27.167				578731	VV	
PCB254	27.347	0.46			797300	VV	2
PCB260	27.539	1.10			724147	VV	3
PCB260	27.905	3.64			661735	VV	3
	28.100				489049	VV	
	28.252				368772	VV	
	28.421				406578	VV	
	28.596				287303	VV	
	28.722				310218	VV	
	29.115				314356	VV	
PCB260	29.285	2.55	978.4	+	387856	VV	3
	29.513				342010	VV	
	29.744				514154	VE	
	30.209				92862	EV	
	30.367				90427	EV	
	30.817				54022	VV	
	31.616				57588	VV	
	31.837				138785	VV	
DBUCLE	32.018	-2.10	82.04		92773	VV	
	32.345				92462	VE	
	33.380				92	EV	
	33.873				1984	EB	
	34.529				4264	BV	

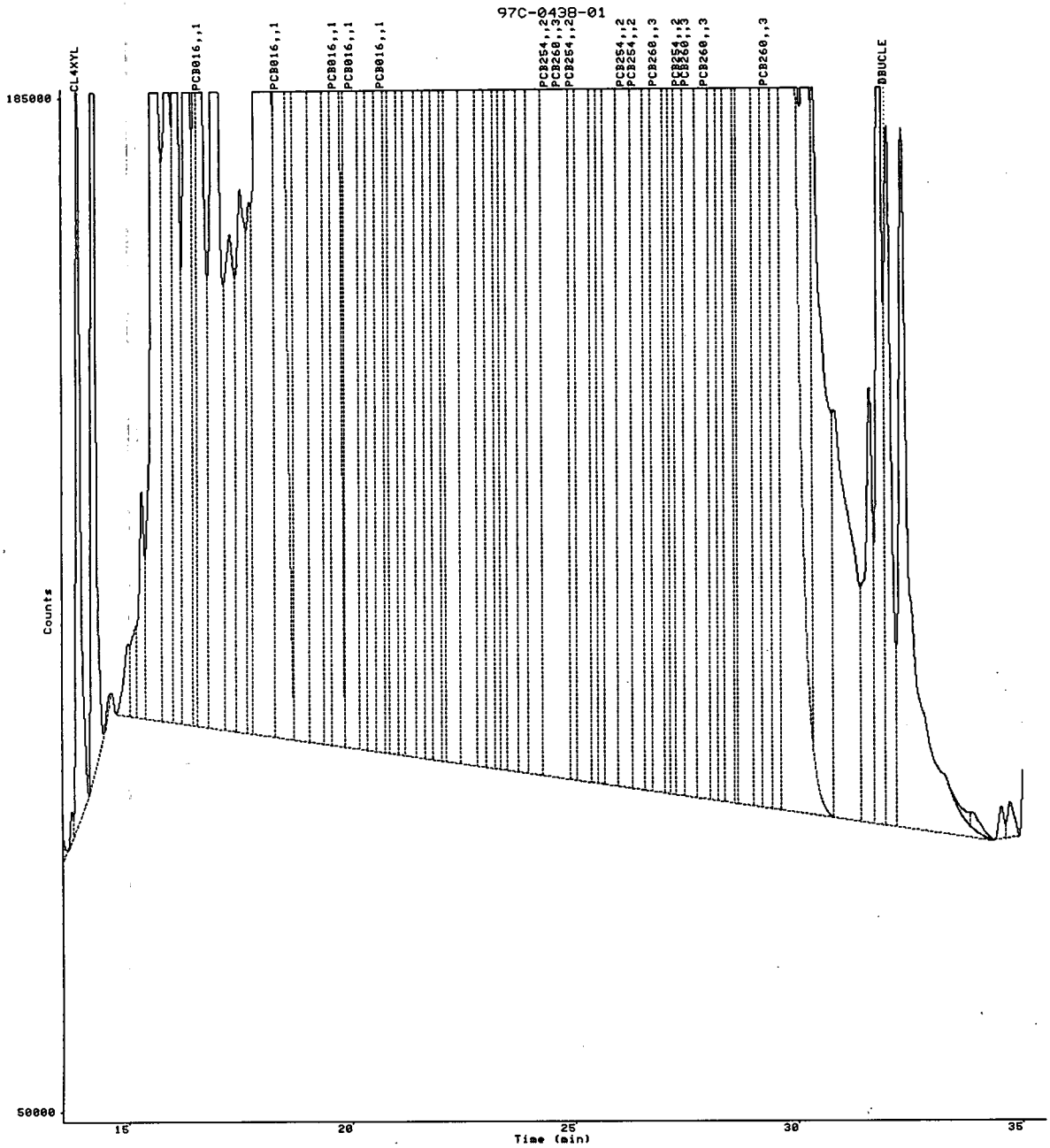
GROUP REPORT

Group	HEIGHT
1	110.4
3	978.4

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353071.RAW;1
Report: 1197270282
Acquired: 21-DEC-1997 20:09:31
Time range: 13.50-35.50



97C05247

00529

Date..... 2-JAN-1998 12:20:28.61 User: TAYLORC
Report number.....1197270283
Raw file.....DISK:[TAYLORC]4797353072.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 20:52:07
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05248
Notes.....97C-0438-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....130
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
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	HEIGHT	Peak Ht	Ref Std	BL	Group
	5.065			69268		BE	
	5.345			4652		EB	
	5.808			7153		BV	
	6.004			3122		VV	
	6.074			5883		VV	
	6.299			3766		VV	
	6.416			3418		VV	
	6.610			3777		VV	
	6.780			1895		VB	
	7.072			22756		BE	
	7.373			1461		EB	
	7.704			10136		BV	
	7.922			4028		VV	
	8.175			7072		VV	
	8.264			13941		VV	

	8.426			4853	VV	
	8.671			4710	VV	
	8.760			5436	VV	
	8.933			5883	VV	
	9.145			5027	VB	
	9.419			2082	BV	
	9.530			1078	VB	
	9.725			1001	BV	
	9.831			1502	VV	
	9.995			4066	VB	
	10.446			5517	BV	
	10.612			9264	VB	
	10.910			4943	BB	
	11.250			4388	BB	
	11.502			12049	BE	
	11.694			2815	EB	
	11.959			3352	BV	
	12.250			34084	VE	
	12.483			3550	EV	
	12.590			4011	EV	
	12.732			3312	VV	
	12.892			2679	VV	
	12.987			2794	VB	
	13.174			4270	BV	
	13.346			4627	VV	
	13.478			4104	VV	
	13.717			5700	VV	
CL4XYL	13.862	-1.42	14.70	127108	VE	
	14.205			14046	EV	
	14.435			4177	VV	
	14.657			5894	VV	
	14.837			10108	VV	
	15.302			7263	VV	
	15.404			5059	VV	
	15.574			25433	VE	
	15.793			2320	EV	
	15.845			3712	EV	
	16.142			64822	VE	
	16.301			763	EV	
	16.414			20106	VV	
PCB016	16.626	-1.78	11.82	12415	VV	1
	16.968			26227	VE	
	17.260			4396	EV	
	17.480			4106	EV	
	17.651			4391	VV	
	17.938			7222	VV	
	18.068			12834	VV	
PCB016	18.400	-2.03	21.39	37482	VV	1
	18.864			16610	VV	
	19.267			59250	VV	
	19.476			49846	VV	
PCB016	19.632	1.66	68.11	56929	VE	1
	19.798			109	EV	
PCB016	20.024	0.63	33.34	68134	VV	1
	20.407			41579	VV	
PCB016	20.656	3.55	26.20	27715	VV	1
	20.923			71205	VV	
	21.125			45562	VV	
	21.323			235811	VV	
	21.543			217213	VV	

	21.691				95764	VV	
	21.875				48041	VV	
	22.105				41853	VV	
	22.227				67772	VV	
	22.700				155752	VV	
	22.882				61337	VV	
	23.136				79019	VV	
	23.239				61131	VV	
	23.441				39345	VV	
	23.601				80115	VV	
	23.819				121828	VV	
	24.103				109237	VV	
PCB254	24.390	-0.00			598821	VV	2
PCB260	24.655	0.56			454300	VV	3
PCB254	24.982	-0.22			291236	VV	2
	25.117				301242	VE	
	25.410				23576	EV	
	25.522				23291	EV	
	25.651				30291	EV	
	25.788				204821	VV	
PCB254	26.113	0.02			188663	VV	2
PCB254	26.371	-0.21			278988	VV	2
	26.678				146899	VV	
PCB260	26.827	0.39	2222	+	734223	VE	3
	27.121				125935	EV	
PCB254	27.345	0.63			327729	VV	2
PCB260	27.535	1.30	511.2	+	267010	VV	3
PCB260	27.903	3.80	426.5	+	294554	VE	3
	28.097				43489	EV	
	28.274				52839	EV	
	28.407				58245	VV	
	28.726				88634	VV	
	29.113				137609	VV	
PCB260	29.282	2.75	457.2	+	201597	VV	3
	29.511				145644	VV	
	29.741				378573	VE	
	30.220				36350	EV	
	30.371				36141	EV	
	30.575				12877	VV	
	30.837				5160	VV	
	31.027				1659	VB	
	31.611				25737	BV	
	31.835				101459	VV	
DBUCLE	32.012	-1.71	65.37		72505	VV	
	32.341				59299	VE	
	32.780				5820	EV	
	33.226				2021	VB	
	33.708				184	BV	
	33.749				87	VB	
	33.939				442	BE	
	34.027				64	EB	
	34.309				43	BB	
	34.526				2750	BV	
	34.741				2983	VB	

GROUP REPORT

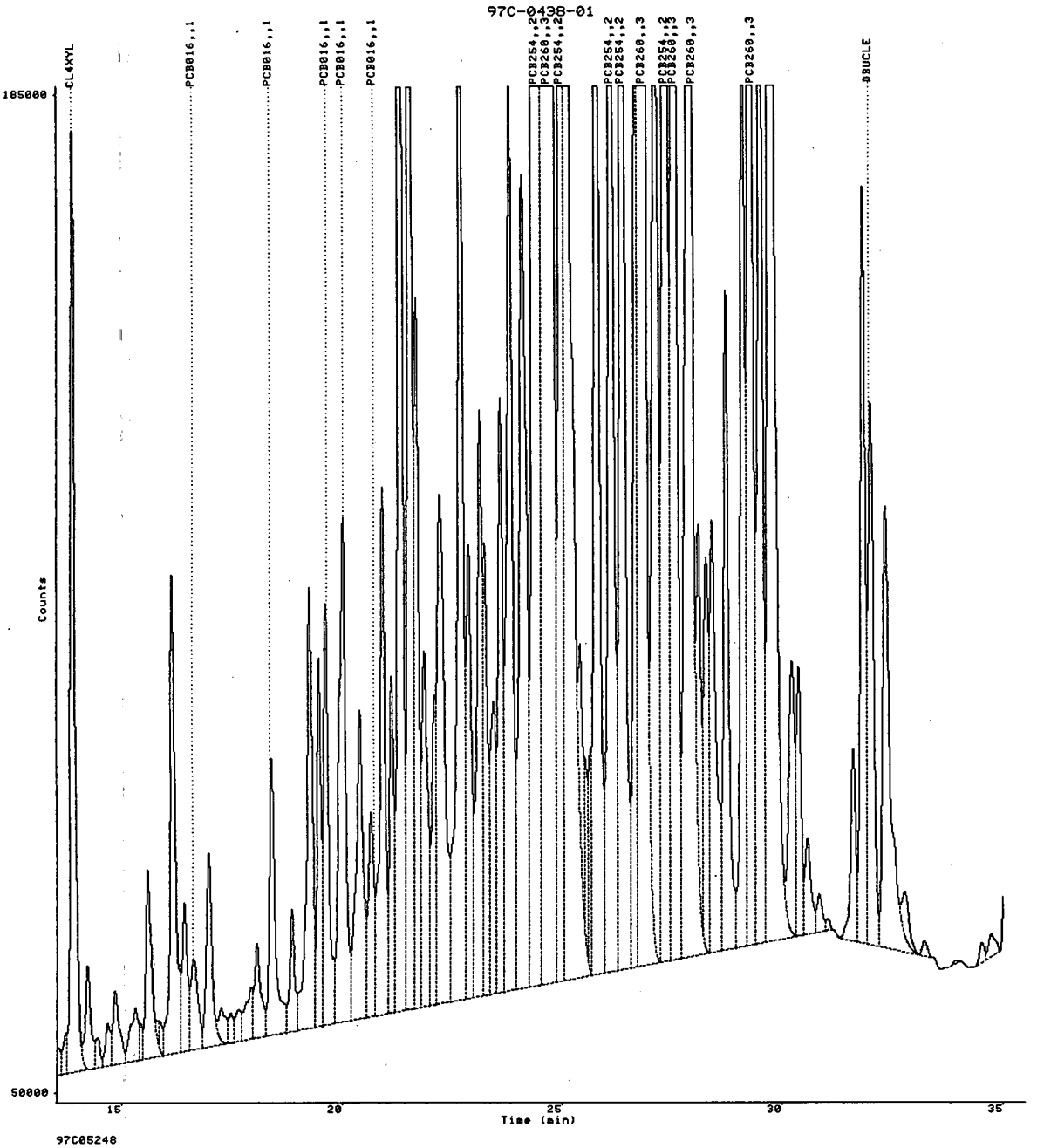
00532

Group	HEIGHT
1	160.9

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]4797353072.RAW;1
Report: 1197270283
Acquired: 21-DEC-1997 20:52:07
Time range: 13.50-35.50



00534

Date..... 2-JAN-1998 12:20:34.81 User: TAYLORC
Report number.....1197270284
Raw file.....DISK:[TAYLORC]4797353073.RAW;1
Method file.....DISK:[TAYLORC]4797353_8080P.MET;71
Last method update.. 2-JAN-1998 12:15:07.83

Device.....Channel 47A, Model 941 Serial Num: 2071430009
Reprocess number....10

Acq. date.....21-DEC-1997 21:34:44
Acq. run time.....37.50 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....RINSE
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-8
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;275C*7.4MIN.

Anal. run time.....35.005 min Delay time.....5.000 min
Area reject.....40 count(s) No. peaks found.....156
Noise threshold.....4.0 microvolts Area threshold.....48
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....6.00 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....Force
Report units.....HEIGHT
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
18.37	PCB016	1		
27.97	PCB260	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	HEIGHT	Peak Ht	Ref	Std	BL	Group
	5.439			3685			BB	
	5.824			993			BV	
	5.960			427			VV	
	6.039			144			VB	
	6.164			26			BB	
	6.371			26			VV	
	6.442			49			VB	

00535

	6.730			63	BB	
	6.895			95	BV	
	7.006			129	VB	
	7.360			94	BB	
	7.546			26	BB	
	8.086			123	BB	
	8.375			47	BV	
	8.433			85	VB	
	8.650			29	BB	
	9.080			20	BB	
	9.756			1331	BB	
	10.184			32	BB	
	10.318			34	BB	
	10.608			16	BB	
	10.894			36	BV	
	10.928			36	VB	
	11.045			39	BB	
	11.228			20	BB	
	11.331			27	BB	
	11.483			32	BB	
	11.643			25	BB	
	11.854			10	VB	
	12.061			17	BB	
	12.187			30	BV	
	12.230			29	VB	
	12.461			22	BB	
	12.603			20	BB	
	12.702			22	BV	
	13.099			17	BB	
	13.246			10	BB	
	13.377			26	BV	
CL4XYL	13.776	3.74	6.119E-06	18	BB	
	13.903			32	BV	
	13.955			35	VB	
	14.046			17	BB	
	14.229			20	BV	
	14.342			15	VB	
	14.502			38	BB	
	14.674			20	BB	
	14.972			15	BB	
	15.287			24	BB	
	15.944			19	BB	
	16.514			49	BV	
PCB016	16.637	-2.47	9.825E-05	35	VB	1
	16.850			2	BB	
	17.385			15	BV	
	17.439			32	VV	
	17.525			31	VB	
	18.034			26	BV	
	18.080			29	VV	
	18.142			41	VB	
	18.580			32	BB	
	19.190			39	BB	
	19.415			20	BB	
PCB016	19.686	-1.54	1.639E-04	51	BV	1
	19.890			34	VV	
PCB016	20.103	-4.12	5.681E-05	41	VB	00536
	20.396			24	BB	
	20.561			39	BV	
	20.667			53	VV	

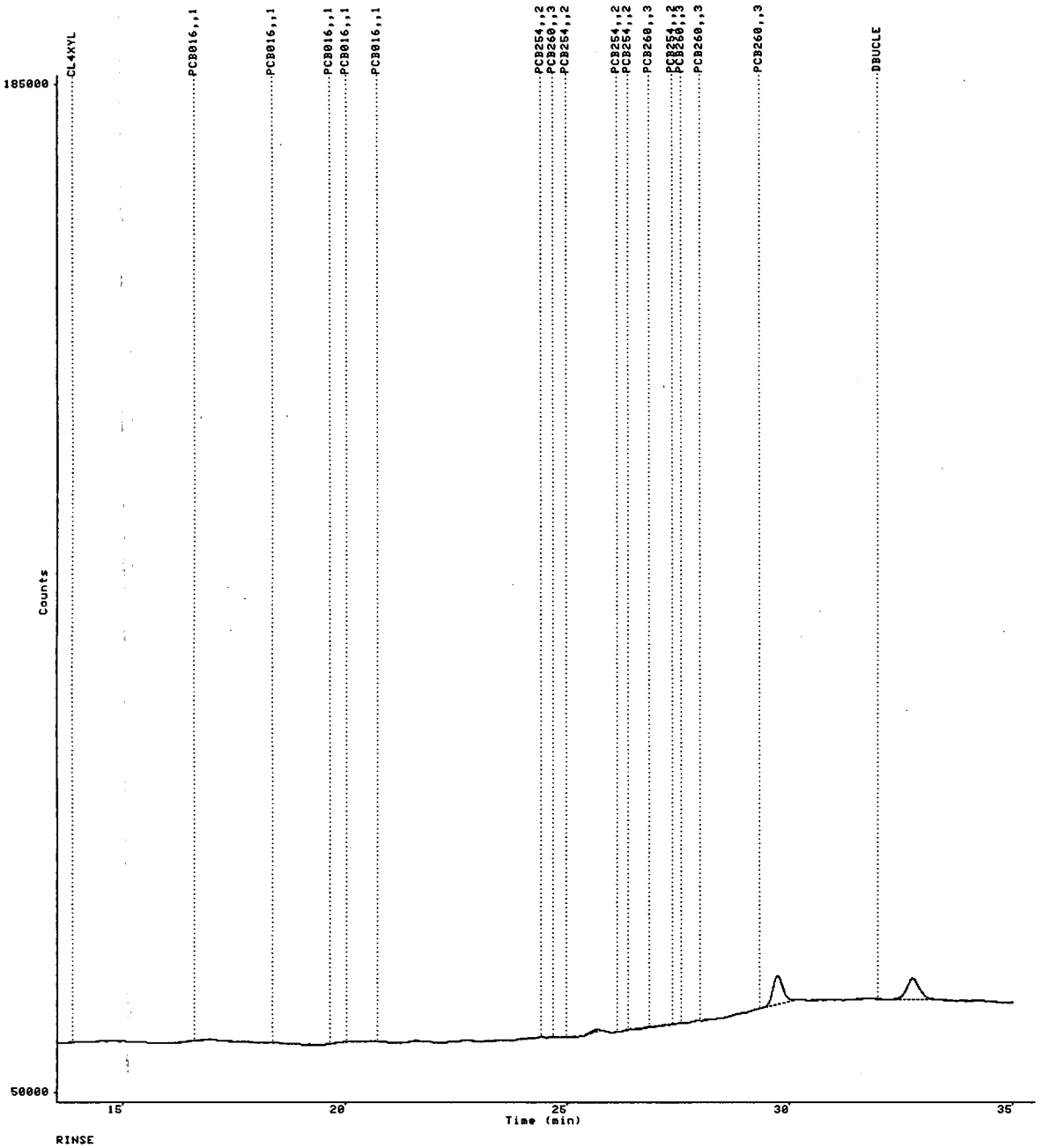
PCB016	20.750	-2.08	9.753E-05	36	VB	1
	21.146			64	BB	
	21.332			48	BB	
	21.573			186	BE	
	21.650			20	EB	
	21.830			33	BB	
	22.038			16	BB	
	22.339			33	BB	
	22.461			37	BB	
	22.672			56	BB	
	22.882			42	BB	
	23.082			48	BV	
	23.154			47	VV	
	23.214			51	VV	
	23.260			51	VB	
	23.372			83	BV	
	23.424			81	VV	
	23.640			68	VV	
	23.675			69	VB	
	23.910			36	BB	
	24.101			60	BB	
	24.281			26	BB	
PCB254	24.402	-0.75	3.804E-04	208	BB	2
	24.570			14	BB	
PCB260	24.673	-0.55	4.760E-04	75	BB	3
	24.884			30	BB	
PCB254	24.981	-0.18	2.753E-04	59	BB	2
	25.149			84	BB	
	25.663			303	BB	
PCB254	26.109	0.23	2.724E-04	48	BB	2
PCB254	26.404	-2.21	5.780E-04	178	BE	2
	26.645			30	EB	
	26.721			38	BV	
PCB260	26.843	-0.55	1.243E-03	229	VV	3
	26.935			74	VV	
	27.088			125	VV	
	27.234			128	VV	
PCB254	27.403	-2.87	2.884E-04	90	VV	2
PCB260	27.582	-1.48	3.714E-04	111	VV	3
	27.629			73	VB	
	27.856			21	BB	
	28.184			47	BB	
	28.464			42	BB	
PCB260	29.251	4.65	4.937E-04	79	BV	3
	29.724			3943	VE	
	30.190			43	EB	
	30.506			36	BV	
	30.595			35	VV	
	30.671			40	VB	
	30.792			36	BV	
	30.864			37	VB	
	31.065			33	BB	
	31.338			68	BV	
	31.413			29	VB	
	31.602			65	BV	
	31.717			93	VV	
	31.795			54	VB	
DBUCLE	31.969	0.85	8.785E-05	30	BV	
	32.036			42	VB	
	32.166			21	BB	

32.758	2871	BE
33.473	29	BB
34.001	24	BB
34.128	18	BB
34.196	27	BB
34.894	12	BB
34.981	25	BB

GROUP REPORT

Group	HEIGHT
1	4.165E-04
2	1.795E-03
3	2.584E-03

Data file: DISK:[TAYLORC]4797353073.RAW;1
Report: 1197270284
Acquired: 21-DEC-1997 21:34:44
Time range: 13.50-35.50



1/2/98

WT 1/5/98

00539

Section 5.
Environmental Organic Analysis
(Rev. 1: 3/95)

Confirmation Column Data
Inventory Checklist

MA The confirmation column data as specified in Section 1 of the green sheets.

Section 5.
Confirmation Column Data
Reviewer Checklist

X The confirmation column data inventory checklist above is complete.

X 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.

976-0438

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
12049714410131

Date _____
Laboratory Group Name 97C-0438-03
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) %								
ZZZNS1	97C05229	SOIL	81.1								
ZZZNS1	97C05229MD	SOIL	81.7								
ZZZSS1	97C05230	SOIL	64.0								
ZZZND1	97C05231	SOIL	87.4								
ZZZSD1	97C05232	SOIL	39.3								
BBBBSD2	97C05233	SOIL	67.9								
BBBBSED(S)	97C05234	SOIL	74.2								
BBBBNS1	97C05235	SOIL	65.8								
BBBBSS2	97C05236	SOIL	68.2								
BBBBNS2	97C05237	SOIL	61.9								
BBBBSED(D)	97C05238	SOIL	85.2								
BBBBND2	97C05239	SOIL	75.9								
BBBBND1	97C05240	SOIL	79.2								

† 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

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
12049714410131

Date _____
Laboratory Group Name 97C-0438-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %							
BBBBSS1	97C05241	SOIL	65.3							
BBBBSD1	97C05242	SOIL	41.9							
AAAASS1	97C05243	SOIL	50.3							
AAAANS2	97C05244	SOIL	76.5							
AAAASS2	97C05245	SOIL	53.6							
AAAAND2	97C05246	SOIL	78.8							
AAAASED(S)	97C05247	SOIL	44.3							
AAAANS3	97C05248	SOIL	69.3							
AAAANS3	97C05248MD	SOIL	68.5							
Limit of Detection										

† See comment on last page.
ND Parameter not detected.above LOD.

** See comment on last page.
( ) Parameter between LOD and LOQ.

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: G97BB03H

Group ID: G97BB03H

Samples: 22

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	97C05229	ZZZNS1		S97B70M7	97C-0438-03	03008
2	97C05229MD	ZZZNS1		S97BB0LQ	97C-0438-03	03008
3	97C05230	ZZZSS1		S97B70M8	97C-0438-03	03008
4	97C05231	ZZZND1		S97B70M9	97C-0438-03	03008
5	97C05232	ZZZSD1		S97B70MB	97C-0438-03	03008
6	97C05233	BBBBSD2		S97B70MC	97C-0438-03	03008
7	97C05234	BBBBSED(S)		S97B70MD	97C-0438-03	03008
8	97C05235	BBBBNS1		S97B70MF	97C-0438-03	03008
9	97C05236	BBBBSS2		S97B70MG	97C-0438-03	03008
10	97C05237	BBBBNS2		S97B70MH	97C-0438-03	03008
11	97C05238	BBBBSED(D)		S97B70MJ	97C-0438-03	03008
12	97C05239	BBBBND2		S97B70MK	97C-0438-03	03008
13	97C05240	BBBBND1		S97B70ML	97C-0438-03	03008
14	97C05241	BBBBSS1		S97B70MM	97C-0438-03	03008
15	97C05242	BBBBSD1		S97B70MN	97C-0438-03	03008
16	97C05243	AAAASS1		S97B70MP	97C-0438-03	03008
17	97C05244	AAAANS2		S97B70MQ	97C-0438-03	03008
18	97C05245	AAAASS2		S97B70MR	97C-0438-03	03008
19	97C05246	AAAAND2		S97B70MS	97C-0438-03	03008
20	97C05247	AAAASED(S)		S97B70MT	97C-0438-03	03008
21	97C05248	AAAANS3		S97B70MV	97C-0438-03	03008
22	97C05248MD	AAAANS3		S97BB0LR	97C-0438-03	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-0438 * | 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 (Decanted)	03 Solids (Total)							# Bottles
6-Nov-1997	ZZZNS1	97C05229			SOIL						X	X	X							1
6-Nov-1997	ZZZNS1	97C05229MS		MS	SOIL						X									1
6-Nov-1997	ZZZNS1	97C05229MSD		MSD	SOIL						X									1
6-Nov-1997	ZZZSS1	97C05230			SOIL						X	X	X							1
6-Nov-1997	ZZZND1	97C05231			SOIL						X	X	X							1
6-Nov-1997	ZZZSD1	97C05232			SOIL						X	X	X							1
6-Nov-1997	BBBBSD2	97C05233			SOIL						X	X	X							1
6-Nov-1997	BBBBSED(S)	97C05234			SOIL						X	X	X							1
6-Nov-1997	BBBBNS1	97C05235			SOIL						X	X	X							1
6-Nov-1997	BBBBSS2	97C05236			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 CP
R-231	~~11-12-97 2200~~	Walk-in/ Room/ Shelf/ Fridge	Storage: ~~11-13-97~~
	11/19/97 21:00	SAMPLE PREP GROUP RM 20 3319 mkm	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % solids

Prepared/Analyzed by: SAMPLE PREP GROUP RM 20 3319 mkm

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 14:32

Earliest Sampling Date: 6-Nov-1997

DataChem Laboratories
CHAIN-OF-CUSTODY

Results due by: 26-Nov-1997

00546

Project/Job/Task: P97B5002	Split:	Root Set ID: 97C-0438*	Reporting Group	01	02	03							#
Client: Roy F. Weston		Account: 03008	Analysis	PCBs	Solids (Decanted)	Solids (Total)							Bottles
Comments:													
Verified: [illegible] 11-10-97													

Date Sampled	Field ID Number	DCL Sample Name	DCL Sample ID	QC	Matrix	Customer ID 2					PCBs	Solids (Decanted)	Solids (Total)							Bottles
6-Nov-1997	BBBBNS2	97C05237			SOIL						X	X	X							1
6-Nov-1997	BBBBSED(D)	97C05238			SOIL						X	X	X							1
6-Nov-1997	BBBBND2	97C05239			SOIL						X	X	X							1
6-Nov-1997	BBBBND1	97C05240			SOIL						X	X	X							1
6-Nov-1997	BBBBSS1	97C05241			SOIL						X	X	X							1
6-Nov-1997	BBBBSD1	97C05242			SOIL						X	X	X							1
6-Nov-1997	AAAASS1	97C05243			SOIL						X	X	X							1
6-Nov-1997	AAAANS2	97C05244			SOIL						X	X	X							1
6-Nov-1997	AAAASS2	97C05245			SOIL						X	X	X							1
6-Nov-1997	AAAAND2	97C05246			SOIL						X	X	X							1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY				SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY Sample Prep/Analysis for: % Solids Prepared/Analyzed by: SAMPLE PREP GROUP RM 20 BK# 3319 IN 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	Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Walk-in/ Room/ Shelf/ Fridge [signature]	11-10-97 1230	R23-1 [signature]	Labeling/Shelving CP1				
[signature] R-23-1 11-12-97	11-12-97 2200	Walk-in/ Room/ Shelf/ Fridge [signature]	Storage: [signature] 11-13-97				
[signature]	11/19/97 21:00	SAMPLE PREP GROUP RM 20 BK# 3319 IN mem	% Solids				

Check box if there is a continuation page ☐

Printed 11/8/1997 14:33

Form: COFC1.01-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-0438 *

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					Reporting Group / Analysis: 01 PCBs	02 Solids (Decant-ed)	03 Solids (Total)							# Bottles
6-Nov-1997	AAAASED(S)	97C05247			SOIL						X	X	X							1
6-Nov-1997	AAAANS3	97C05248			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 CP1
R231	11-12-97 2200	Walk-in/ Room/ Shelf/ Fridge	Storage: SX7
	11/14/97 21:00	SAMPLE PREP GROUP P/A 20 BK #3319	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % solids

Prepared/Analyzed by: 3319

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 14:33

Sample Work Order

QC Clearance: _____
Project Manager: Scott B. Saulls
Client: Roy F. Weston
Account: 03008 **SDG:** AAAASS
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-0438 *
DCL Lab. Name: 97C05229–97C05248
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

Other Sections Receiving Sample Portions: ZC, FC

00548

TITLE DATACHEM LABORATORIES - % SOLIDS

From Page No. X INSERTION OF % SOLIDS DATA FOR 97C-0438-03, 97C-0435-03, 97C-0436-03, 97C-0434-03 HERE.

Lab 3608 — 12/4/97 — METHOD EX-EP-600, rev 1 — Balance ID [illegible]

Sort ID #	LIMS User Name	DCL Sample ID	EPA Sort # (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-0438-03	MANNINGM	97C05229	ZZZNS1	40	1.2899	9.8486	6.2314	8.5587	5.0415	61.1	38.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05229MD	ZZZNS1	41	1.2945	10.7161	6.9907	9.4216	7.6962	81.7	18.3	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05230	ZZZSS1	42	1.2944	9.8113	6.6188	8.3169	5.3245	64.0	36.0	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05231	ZZZND1	43	1.2949	8.3488	6.3284	8.052	7.0335	87.4	12.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05232	ZZZSD1	51	1.2904	8.6141	4.5636	6.3237	3.2732	39.3	60.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05233	BBBRN2	9	1.298	9.175	6.6408	7.877	5.3488	67.9	32.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05234	BBBRSD(S)	10	1.3061	10.6444	8.2378	9.3427	6.9315	74.2	25.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05235	BBBRN1	11	1.3041	9.6635	6.8066	8.3594	5.5025	65.8	34.2	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05236	BBBSS2	25	1.2908	8.4201	6.8357	8.1292	5.5448	68.2	31.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05237	BBBRN2	26	1.2951	10.5663	7.0305	9.2702	5.7354	61.9	38.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05238	BBBRSD(D)	27	1.292	9.3428	6.1506	8.0506	4.8584	85.2	14.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05239	BBBRN2	28	1.3026	9.3954	7.4468	8.0928	6.1492	75.9	24.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05240	BBBRN1	3	1.3028	8.4916	6.9865	7.1888	5.8857	79.2	20.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05241	BBBRSS1	4	1.2949	9.7185	6.7862	8.4236	5.8013	65.3	34.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0436-03	MANNINGM	97C05242	BBBRSD1	5	1.2945	9.47	4.7184	6.1755	3.4239	41.9	58.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05243	AAAANS1	7	1.3015	10.7735	6.0612	9.472	4.7597	50.3	49.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05244	AAAANS2	1	1.2891	9.4277	7.5164	8.1386	6.2273	76.5	23.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05245	AAAASS2	2	1.2899	9.5218	5.7032	8.2319	4.4153	53.6	46.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05246	AAAAND2	36	1.3122	9.3849	7.6799	8.0767	6.3677	78.8	21.2	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05247	AAAASED(S)	153	1.2913	9.3204	4.8472	8.0293	3.5558	44.3	55.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05248	AAAANS3	154	1.2974	9.3036	6.8445	8.0062	5.5471	69.3	30.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05249MD	AAAANS3	155	1.2974	9.2241	4.7238	7.9263	3.426	68.5	31.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0435-03	MANNINGM	97C05155	NNNNS3	39	1.2894	9.2746	6.6210	7.9832	5.3316	66.8	33.2	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05156MD	NNNNS3	143	1.3038	9.8224	6.9999	8.5186	5.6661	66.5	33.5	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05170	NNNNS2	96	1.2950	8.9593	6.0619	7.6641	4.7667	62.2	37.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05171	NNNSS2	99	1.2974	9.5713	7.8661	8.6739	6.5707	75.8	24.2	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05172	NNNSED(D)	144	1.3069	9.7006	7.3066	8.3917	5.9977	71.5	28.5	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05173	NNNSD1	180	1.2961	8.6245	5.7704	7.3284	4.4723	61.0	39.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05174	NNNND2	109	1.3137	9.4118	7.7305	8.0981	6.4166	79.2	20.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05175	EEENS1	113	1.2925	10.3161	9.2324	9.0236	7.8099	86.0	12.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05176	EEENS2	110	1.2963	8.7427	6.7457	7.4504	5.4534	73.2	26.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05177	EEENS2	111	1.3015	9.3424	6.6054	8.0409	5.3039	66.0	34.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05178	EEESD1	60	1.3007	10.5319	9.8134	9.2312	8.5127	92.2	7.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05179	EEESS2	62	1.2913	9.377	7.2467	8.0857	6.4564	79.8	20.2	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05180	EEESS1	36	1.2974	10.8647	9.8363	9.5673	8.6369	90.3	9.7	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05181	EEESS1	164	1.3127	9.6668	7.2331	8.3442	5.9204	71.0	29.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05182	EEESED(S)	166	1.3094	10.4255	8.3635	9.1161	7.0741	77.6	22.4	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05183	EEENS3	151	1.3131	8.7986	7.0189	7.4855	5.7058	76.2	23.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05184	EEEND1	161	1.2958	9.3624	7.3929	8.0666	6.0971	75.6	24.4	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05185	EEEND(S)	162	1.3282	11.1096	9.1725	9.7814	7.8443	80.2	19.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05186	OOONS1	163	1.2912	8.5378	6.0737	7.2467	4.7825	66.0	34.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05187	OOOND1	164	1.2944	10.1872	9.2858	8.8928	7.9914	89.9	10.1	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05188	OOOSED(S)	165	1.2919	10.7137	8.9747	9.4218	7.6828	81.5	18.5	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05188MD	OOOSED(S)	150	1.3028	9.6254	7.9740	8.3226	6.6712	80.2	19.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05189	OOOSS1	116	1.3139	9.2816	5.6247	7.9677	4.5106	56.6	43.4	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05189MD	OOOSS1	145	1.306	9.0107	5.6518	7.7027	4.5438	59.0	41.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05190	OOOSS2	114	1.3066	8.6381	5.7323	7.5315	4.4257	58.8	41.2	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05191	OOOSS2	115	1.2999	10.6174	9.1309	9.3175	7.831	84.0	16.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05192	OOOND2	146	1.3272	8.5902	7.6350	7.2630	6.3078	86.8	13.2	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05193	OOOND2	147	1.3163	10.0595	9.3484	8.7342	8.0301	91.9	8.1	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05194	OOOSED(S)	171	1.3042	9.6259	7.9065	8.3177	6.6003	79.4	20.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05195	OOOSS3	149	1.3011	10.2313	8.5572	8.9302	7.2561	81.3	18.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05196	OOOND3	150	1.3074	10.6157	8.5919	9.3078	7.2645	78.0	21.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05197	OOOND3	169	1.3134	9.8961	8.9467	8.5827	7.6303	89.0	11.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05198	OOOND3	86	1.3	8.8762	6.6765	7.8762	5.3765	70.1	29.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05199	OOOSED(S)	152	1.3161	9.8455	7.9300	8.5795	6.6139	77.1	22.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05200	OOOND1	89	1.2973	9.2972	5.3190	8.0049	4.0217	50.3	49.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05201	OOOSS3	90	1.2969	10.4767	8.6092	9.1798	7.3123	79.7	20.3	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05202	OOOSD1	170	1.3054	9.2604	6.4664	7.958	5.183	65.1	34.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05203	NNNND2	54	1.2912	10.4107	7.2377	9.1195	5.9465	65.2	34.8	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05204	NNNND2	65	1.2901	9.7293	7.7063	8.4392	6.4167	76.0	24.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05205	NNNND1	86	1.3064	8.6434	6.2349	8.337	5.0285	63.1	36.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05206	NNNND2	87	1.2908	8.5677	6.4109	7.2808	5.124	70.4	29.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05207	NNNSED(S)	150	1.2958	8.9257	6.6202	7.6332	5.5237	72.4	27.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05208	NNNSS3	177	1.3172	9.5273	6.3406	8.2701	5.0236	60.7	39.3	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05209MD	NNNSS3	178	1.2964	9.0542	5.9956	7.7668	4.7002	60.5	39.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05210	NNNSS2	179	1.3192	8.8994	6.0240	7.5682	4.7045	62.1	37.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05211MD	NNNSS2	180	1.2962	9.0166	6.2263	7.7196	4.9315	63.9	36.1	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05212	NNNSED(S)	175	1.2997	10.4352	7.9260	9.1307	6.6304	72.5	27.5	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05213	NNNSD1	37	1.2943	8.6963	5.5350	7.3514	4.2401	57.4	42.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05214	NNNSD1	45	1.2986	9.0322	4.5704	7.7136	3.2618	42.5	57.5	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05215	NNNND1	44	1.2987	10.0646	7.9075	8.7959	6.6191	75.3	24.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05216	NNNSED(S)	176	1.323	10.1549	8.3344	8.8319	7.0714	80.1	19.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05217	NNNSS3	156	1.3163	9.5671	6.3416	8.2508	5.0253	60.9	39.1	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05218	NNNSS3	157	1.3113	9.575	5.8436	7.7137	4.5325	58.8	41.2	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05219	NNNSS2	159	1.3038	9.3406	7.6304	8.0763	6.5466	81.5	18.5	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05220	NNNSED(S)	170	1.3036	9.0644	7.6776	7.7608	6.3742	82.1	17.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05221	NNNSD1	78	1.3111	8.615	6.6450	7.3079	5.5669	76.5	23.5	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05222	NNNND1	71	1.2941	9.1245	6.0477	7.6301	4.7736	61.0	39.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05223	NNNND1	72	1.3092	8.5745	6.2644	7.6676	4.9777	64.9	35.1	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05224	NNNND1	73	1.3015	9.4724	6.6137	8.1709	5.5159	67.5	32.5	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05225	NNNND1	74	1.3039	8.2943	5.3693	6.9105	4.0365	58.4	41.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05226	NNNND1	65	1.2961	9.2359	6.7016	7.9454	5.4207	68.2	31.8	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05227	NNNSED(S)	66	1.3014	9.7544	8.4542	8.453	7.1528	84.6	15.4	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05228	NNNSD1	67	1.3015	8.6703	6.2021	7.3687	4.9006	66.5	33.4	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0434-03	MANNINGM	97C05229	NNNSD1	68	1.3127	10.3454	7.1396	9.0315	5.8217	64.5	35.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	97C05230	NNNSED(S)	69	1.3047	10.5031	8.2599	9.1984	6.9092	75.1	24.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	97C05231	NNNSD1	62	1.2962	10.6722	8.4752	9.3639	7.1869	76.6	23.4	1997-11-20	1535	100.7	1997-11-21	1400	102

12/4/97

To Page No. X

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14 [ ] FEDEX TUBE

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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 [ ] GOV'T LETTER
41 [ ] GOV'T 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
7	225	

DIM SHIPMENT (Chargeable Weight) [ ] lbs.
L x W x H

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

Emp. No. Date
[ ] Cash Received
[ ] Return Shipment
[ ] Third Party [ ] Chg. To Del. [ ] Chg. To Hold
Street Address
City State Zip
Received By: x Michael McMillan
Date/Time Received: 11-7-97
FedEx Employee Number: 0930

7 Release Signature:

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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SAMPLE LOG-IN SHEET

Group Name: 97C-0438

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.: AAAASS
SAS Number: Not Applicable	

Remarks:

		EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Matrix	Fraction	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal (s)	Present/Absent*	ZZZNS1	NA	97C05229	S	PCB	MS/MSD ACCEPTABLE
	Intact/Broken*	SS1		30			
2. Custody Seal Nos.	NA	ND1		31			
		SD1		32			
3. Chain-of Custody Records	Present/Absent*	BBBBSD2		33			
4. Traffic Report or Packing Lists	Present/Absent*	SED(S)		34			
5. Airbill	Airbill/Sticker	NS1		35			
	Present/Absent*	SS2		36			
6. Airbill No.	4811 729 414	NS2		37			
		SED(D)		38			
7. Sample Tags	Present/Absent*	ND2		39			
Sample Tag Numbers	Listed/Not Listed on Chain-of-Custody	ND1		40			
8. Sample Condition	Intact/Broken*/Leaking*	SS1		41			
Cooler Temperature	5°C	SD1		42			
9. Does information on custody records, traffic reports, and sample tags agree?	Yes/No* C97-1532	AAAASS1		43			
		NS2		44			
10. Date Received at Lab	11-7-97	SS2		45			
11. Time Received	0930	ND2		46			
Sample Transfer		SED(S)		47			
Fraction: PCB	Fraction:	NS3		48			
Area #: R23-1	Area #:						
By: MM	By:			MM 11-8-97			
On: 11-7-97	On:						

* 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 Capum (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: _____

(Revised 6/4/97)

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