DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

211001

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-0435

1. The Form 2 did not summarize all the sample recoveries. Although the surrogate compound DBC was not recovered in some samples due to matrix interference, the zero percent recovery should still be summarized in the Form 2. Please revise the form and resubmit it.

Response: The revised Form 2 is provided with this letter.

2. Page 369 was not included in the data package. Please resubmit it.

Response: A copy of page 369 is provided with this letter.

DCL SET # 97C-0437

1. Pages 214 through 229 were not included in the data package. Please resubmit them.

Response: Pages 214 through 229 are provided with this letter.

Richard W. Wade

CORPORATE OFFICE

CINCINNATI LABORATORY
4388 Glendale-Milford Road
Cincinnati, Ohio 45242-3706
513-733-5336, FAX 513-733-5347

NOVATO OFFICE
11 Santa Yorma Court
Novato, California 94945
415 897-9471, FAX 415-893-9469

SALT LAKE CITY LABORATORY
960 West LeVoy Drive
Salt Lake City, Utah 84123-2547
801-266-7700, FAX 801-268-9992

BALTIMORE OFFICE
10 Juliet Lane #203
Baltimore, Maryland 21236-1220
410-529-5675, FAX 410-529-5355

RICHLAND OFFICE
313 Wellsian Way
Richland, Washington 99352-4116
509-943-5858, FAX 509-943-5654

WESTON
MANAGERS DESIGNERS/CONSULTANTS
Roy F. Weston, Inc.
Raritan Plaza III, Suite 2B
101 Fieldcrest Avenue
Edison, New Jersey 08837-3622
908-417-5800 • Fax 908-417-5801

ISO 9002 CERTIFIED

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

7 April 1998

RE: RFP #2226 PCB ANALYSIS

Dear Mr. Wade:

This letter is to request the re-submittals of the missing data related to the above-referenced project.

DCL Set # 97C-0435

1. The Form 2 did not summarize all the sample recoveries. Although the surrogate compound DBC was not recovered in some samples due to matrix interference, the zero percent recovery should still be summarized in the Form 2. Please revise the form and resubmit it.

2. Page 369 was not included in the data package. Please resubmit it.

DCL Set #97C-0437

Pages 214 through 229 were not included in the data package. Please resubmit them.

Please forward all resubmittals to my attention by 10 April 1998. Should you have any questions, please feel free to contact me at (732)417-5822.

↳ Responses were received 5/14/98

Sincerely yours,

Yunru Yang
Sr. Project Scientist

Click to WESTON On The Web http://www.rfweston.com

FACSIMILE TRANSMITTAL

FAX# - (~~908~~ 732) 417-5801

WESTON MANAGERS DESIGNERS/CONSULTANTS

Roy F. Weston, Inc.
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101 Fieldcrest Avenue
Edison, New Jersey 08837-3622
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732 732

ISO 9002 CERTIFIED

FAXED

TO: Richard Wade
DataChem

(801) 268-9992
Recipient's Telecopy Telephone #

FR: YUNRU YANG

Recipient's Confirmation Telephone #

Total Pages 2 (including cover sheet)

Originator's Telephone #

DATE: 4/7/98

WO# 11098-122-072-0001-00
(include task#)

COMMENTS:

This will be the last request for clarification for RFP 2226 PCB analysis.
There are still several responses pending.
We have to close this phase of project (on my part, at least) by this Friday (4/10/98).
Please provide all pending responses by that date.
Thanks.

Providing quality environmental management and consulting engineering service for over 40 years in the areas of:

Analytical Testing/Characterization
Air Quality
Water Quality/Wastewater
Hazardous, Solid, Radioactive Waste
Health and Safety
Life Sciences
Strategic Environmental Management
Information Management
Construction /Remediation
Geosciences

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97C-0435

20 soils collected 11/6/97 extracted 11/13/97 analyzed 11/22-23/97

H.T. all OK

ICAL { r OK AR1254 @ 0.02 ppm baseline dropped; peak integration affected
{ 11/13-14/97 ↓ @ 0.1 ppm poor chromatogram; impurity observed

ICV 1254 1 pk NG ICV 1260 1 pk NG ICV 1016 1 pk NG

CCV 1 2 1260 pks NG CCV 4 all 5 1260 pks NG

CCV 2 1 1260 pk NG CCV 5 ↓

CCV 3 1 1260 pk NG CCV 6 2 1260 pks NG

97C05185 1:100 baseline dropped; peak integration affected ⇒ AR1254 "J"
86 1:100 peak integration inconsistent w/ std. ⇒ AR1254 "J"

* p.369 missing from the package

* Form 2 did not summarize all sample surrogate recoveries. Only 6 samples, blank, and QC sample were summarized in the Form 2. All samples must be listed even though valid recoveries couldn't be ~~calculated~~ obtained due to matrix interference.

* Form 3: 1016/1260 not in sample; ⇒ changed to "Ø".
MS/MSD conc. incorrectly reported ∵ only 4 peaks in 1016 and 4 peaks in 1260 ~~should have been~~ were used and should have been corrected with a factor of (5/4)

CONC. VERIFICATION BY QUADRATIC MODEL

97C-0435

	TCMX				DBC			
	Y	CONC.	%R	DF	Y	CONC.	%R	
BLANK	70199	0.04800	96	1	49551	0.047	93	
QC-142132-1	64935	0.04427	89	1	52594	0.050	99	
97C05172	883	-0.00009	-18	* 100	0	-0.001	-133	*
97C05173	888	-0.00009	-18	* 100	0	-0.001	-133	*
97C05169	???	#VALUE!	#####	1	0	-0.001	-1	*
97C05170	62181	0.04232	85	1	0	-0.001	-1	*
97C05171	67704	0.04623	92	1	0	-0.001	-1	*
97C05174	68866	0.04705	94	1	0	-0.001	-1	*
97C05175	72104	0.04936	99	1	45325	0.043	85	
97C05176	67679	0.04621	92	1	0	-0.001	-1	*
97C05176MS	65434	0.04462	89	1	0	-0.001	-1	*
97C05176MSD	67464	0.04606	92	1	0	-0.001	-1	*
97C05177	67700	0.04623	92	1	0	-0.001	-1	*
97C05178	72719	0.04979	100	1	42764	0.040	80	
97C05179	71488	0.04892	98	1	42710	0.040	80	
97C05180	71253	0.04875	97	1	43907	0.041	82	
97C05181	65215	0.04446	89	1	0	-0.001	-1	*
97C05182	69434	0.04746	95	1	0	-0.001	-1	*
97C05183	57902	0.03930	79	1	0	-0.001	-1	*
97C05184	69333	0.04739	95	1	0	-0.001	-1	*
97C05185	71078	0.04863	97	1	45818	0.043	86	
97C05186	69304	0.04736	95	1	0	-0.001	-1	*
97C05187	68522	0.04681	94	1	41349	0.039	77	
97C05188	72761	0.04982	100	1	43963	0.041	82	

CONC. VERIFICATION BY QUADRATIC MODEL FOR AR1254

F.V.= 10 mL
97C-0435

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	20232	0.149	36018	0.160	57990	0.162	45793	0.224	27901	0.144	0.839	1	100	280
BLANK	0	-0.007	0	-0.004	0	-0.001	0	0.000	0	0.000	-0.011	1	100	-4
QC-142132-1	0	-0.007	0	-0.004	0	-0.001	0	0.000	0	0.000	-0.011	1	100	-4
97C05169	4753	0.027	7203	0.027	12429	0.032	10692	0.049	4427	0.021	0.155	100	66.8	7759
97C05170	4433	0.025	6951	0.026	12065	0.031	10374	0.047	4763	0.023	0.151	100	62.2	8107
97C05171	10317	0.069	15672	0.064	29082	0.077	26699	0.125	11979	0.059	0.393	100	75.8	17303
97C05172	4825	0.028	5182	0.018	11322	0.029	8361	0.038	2675	0.013	0.125	100	71.5	5840
97C05173	21117	0.157	33749	0.149	52987	0.146	48349	0.238	18871	0.095	0.785	100	61	42898 5822
97C05174	4765	0.027	7971	0.030	9434 ~~3246~~	~~0.008~~	9569	0.044	2881	0.014	~~0.122~~	100	79.2	~~5146~~ "J"
97C05175	1402	0.003<	1843	0.004	3449	0.008	3104	0.014	932	0.005	0.034	100	88	1281
97C05176	10176	0.068	14891	0.060	27554 ~~6578~~	~~0.016~~	19052	0.088	12894	0.064	~~0.296~~	100	73.2	~~13472~~ 16034
97C05176MS	8482	0.055	12074	0.048	19689	0.051	17770	0.082	10740	0.053	0.288	100	73.2	13123
97C05176MSD	8848	0.058	12849	0.051	24447	0.064	18587	0.086	10570	0.052	0.310	100	73.2	14133
97C05177	9766	0.065	14533	0.059	28061	0.074	20935	0.097	12620	0.062	0.356	100	66	18001
97C05179 NG	286	~~-0.005~~	489	~~-0.002~~	877	0.002<	1114	0.005	398	0.002<	0.002	100	79.8	94
97C05181	11588	0.079	18377	0.076	31769	0.084	26934	0.126	15558	0.077	0.443	100	71	20776
97C05182	5009	0.029	7048	0.026	13925	0.036	9050	0.041	6408	0.031	0.163	100	77.6	6993
97C05183	9495	0.062	14117	0.057	26471 ~~6956~~	~~0.017~~	20206	0.093	11789	0.058	~~0.288~~	100	76.2	~~12602~~ 14889
97C05184	15766	0.112	25997	0.111	38775	0.104	31721	0.150	18350	0.092	0.570	100	75.6	25116
97C05185	3795	0.020	4705	0.016	5341	0.013	3883	0.018	2708	0.013	0.080	100	80.2	3324 "J": peak integration
97C05186	4603	0.026	7201	0.027	11548	0.029	10395	0.047	6299	0.031	0.160	100	66	8073 caused by dropped baseline
97C05188	1830	0.006	2889	0.008	4372	0.011	3517	0.016	1504	0.007	0.048	100	81.5	1973
97C05178	701	-0.002<	1130	0.001<	1867	0.004	3183	0.015	830	0.004	0.024 ~~0.022~~ ×5/4	1	92.2	~~8~~ 10 "J"
97C05179	20039	0.148	32286	0.142	82310	0.241	76245	0.409+	42013	0.226	1.166	1	79.8	487
97C05180	1250	0.002<	2020	0.005	4247	0.010	6434	0.029	1608	0.008	0.054	1	90.3	20 "J"
97C05187	1705	0.005	3113	0.009	8990	0.023	7682	0.035	2642	0.013	0.085	1	89.9	31

lab reported 12554 result from 1:100 pattern too weak.

peak integration inconsistent w/ std.

AR1016

F.V.= 10 mL
97C-0435

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

	AR1016-1		AR1016-2		AR1016-3		AR1016-4		AR1016-5		TOTAL			FINAL
	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	Y	CONC.	CONC. in extract	DF	%S	CONC ug/Kg
icv1660	52162	0.282	85657	0.236	34803	0.243	21217	0.200	28783	0.207	1.167	1	100	389
ccv1	37009	0.187	67585	0.180	28519	0.197	22819	0.217	27908	0.200	0.981	1	100	327
ccv2	36577	0.184	66895	0.178	28150	0.195	23290	0.222	27956	0.200	0.979	1	100	326
ccv3	36143	0.182	64324	0.171	26704	0.184	22521	0.214	26562	0.189	0.940	1	100	313
ccv4	38212	0.194	66002	0.176	26633	0.184	20198	0.189	24642	0.174	0.917	1	100	306
ccv5	36630	0.185	64658	0.172	26305	0.181	20572	0.193	24589	0.174	0.905	1	100	302
CCV6	37275	0.188	67969	0.182	28724	0.199	23855	0.228	28763	0.207	1.003	1	100	334
QC-142132-1	21056	0.099	37629	0.096	15008	0.102	11786	0.106	14875	0.101	0.505	1	100	168 wet wt.
97C05176	0	-0.002	0	0.000	0	0.000	0	0.001	0	-0.001	-0.003	100	73.2	-135
97C05176MS	1506	0.005	3545	0.008	0	0.000	15881 ~~11880~~	146 ~~0.107~~	6242	0.041	.149 ~~0.164~~ 5/4	100	73.2	~~7309~~ 8292
97C05176MSD	1518	0.005	3512	0.008	0	0.000	15278	0.140	6211	0.041	0.193 5/4	100	73.2	~~8786~~ 8042

a= -24556.9

b= 149088

C' = c - Y = 58.3337 - 15881 = -15822.666

$$\text{Conc} = \frac{-149088 \pm \sqrt{(149088)^2 - 4\times(-24556.9)(-15822.666)}}{2\times(-149088)} \quad \left.\right\} = 1.4378E5$$

2.2227E10 1.5542E9

= 0.9822

F.V.= 10 mL
97C-0435

	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	21413	0.200	57885	0.211	17861	0.156	19176	0.148	43971	0.199	0.914	1	100	305
ccv1	18652	0.171	45856	0.161	22568	0.201	22650	0.178	34553	0.151	0.863	1	100	288
ccv2	20490	0.191	49994	0.177	23233	0.208	22930	0.181	37529	0.166	0.923	1	100	308
ccv3	20321	0.189	49972	0.177	22843	0.204	22707	0.179	36637	0.162	0.911	1	100	304
ccv4	16757	0.152	41891	0.145	18961	0.166	18686	0.144	32048	0.139	0.747	1	100	249
ccv5	16644	0.151	40798	0.141	18678	0.164	18513	0.143	31885	0.139	0.737	1	100	246
CCV6	19440	0.180	46808	0.165	23884	0.214	23940	0.190	35344	0.155	0.903	1	100	301
QC-142132-1	10333	0.090	26321	0.087	12473	0.106	12746	0.095	20595	0.086	0.466	1	100	155 wet wt
97C05176	0	-0.001	0	-0.001	0	-0.003	0	0.000	0	0.000	-0.005	100	73.2	-225 17917
97C05176MS	3457	0.029	8633	0.027	20855	0.184	23977	0.190	138266	#NUM!	~~#NUM!~~ 0.425	100	73.2	~~#NUM!~~
97C05176MSD	6090	0.052	15110	0.049	20224	0.178	23046	0.182	157091	#NUM!	~~#NUM!~~ .461	100	73.2	~~#NUM!~~ 19208

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-0435-01, 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 (97C-0435-01)				
	Case Narrative	4	6	✓	
	Analytical Forms	7	91	✓	
	Sample Tracking Documentation	92	100	✓	
	Analytical Documentation	101	189	✓	
	Raw Data	190	457	✓	
4.	Percent Solids (97C-0435-03)				
	Case Narrative	NA	NA	✓	
	Analytical Forms	458	460	✓	
	Sample Tracking Documentation	461	464	✓	
	Analytical Documentation	465	465	✓	
	Raw Data	NA	NA	✓	
5.	Shipping/Receiving Documents				
	Airbill (No. of Shipments: 1)	466	466	✓	
	Sample Log-In Sheet	467	467	✓	
	DCL Cooler Receipt Checklist	468	468	✓	
6.	Other Records (Describe or list)				
	Telephone Communication Log	NA	NA	✓	
		NA	NA	✓	
		NA	NA	✓	

7. Comments:

Completed by (DataChem Laboratories):

	Renee Thelin / Document Control	01/05/98
(Signature)	(Print Name & Title)	(Date)

Audited by (Client):

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

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

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 IGN	COR	REAC	OTHER
KKLSS1	11/6/97/1040	5	L	G	6										Total PCBs
KKLSED(S)	11/6/97/0945														
KKLNS3	11/6/97/1000														
KKLNS2	11/6/97/0945														
KKLSS2	11/6/97/0950														
KKLSED(D)	11/6/97/0945														
KKLSD1	11/6/97/0946														
KKLND2	11/6/97/0953														
EEEND2	11/6/97/1123														
EEENS1	11/6/97/1125														
EEENS2	11/6/97/1124														

Comments: Extra sample volume was given for MS/MSD samples # KKLNS1 and EEENS1

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

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

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.

REF 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: 908-225-6116 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 CIN	COR	REAC	OTHER
EEESD1	11/6/97/1130	5	L	G	6										Total PCBs
EEESS2	11/6/97/1127														
EEESD2	11/6/97/1124														
EEESS1	11/6/97/1125														
EEESED(S)	11/6/97/1120														
EEENS3	11/6/97/1130														
EEEND1	11/6/97/1130														
CCCSED(S)	11/6/97/1155														
CCCSS1	11/6/97/1152														
CCCNS1	11/6/97/1210														
CCCND1	11/6/97/1215														

Comments: Extra sample volume was given for MS/MSD sample# CCCSS1

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

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

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.

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 KIN	COR	REAC	OTHER
CCCSED(D)	11/6/97/1200	5	L	G	6										TOTAL PCBs
CCCSS3	11/6/97/1152														
CCCSS2	11/6/97/1202														
CCCNS2	11/6/97/1205														
CCCND2	11/6/97/1155														
DDDSED(S)	11/6/97/1140														
DDDSD2	11/6/97/1147														
DDDSS1	11/6/97/1140														
DDDND1	11/6/97/1152														
DDDNS2	11/6/97/1146														
DDDSED(D)	11/6/97/1141														

Comments: ~~EX-TRA SAMPLE VOLUME~~

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

Sample Number	Relinquished By:	Time	Date	Received By:	Reason for Change of Custody
All	M. Malhotra	1800	11/6/97	FEDEX	SHIPMENT TO LAB
	FEDEX	0930	11/7/97	Michael [illegible]	

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.:**	CCCND1
Analysis SOP No.:	OE-SW-8080	**DCL Account:**	3008
Matrix:	Soil	**DCL Set ID:**	97C-0435-01

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 3665).

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

Dilutions: All samples were reanalyzed for PCB-1254 at 1:100 dilutions with exception of the method blank sample, the QC sample and field samples 97C05178, 97C05180 and 97C05187 which did not require dilutions.

Method and Sample QC Data:

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

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

MS/MSD Sample(s): The matrix spike and matrix spike duplicate samples were prepared from sample 97C05176. Samples were spiked with 167 ug/Kg of PCB-1016 and PCB-1260. Due to the high concentration of PCB-1254 in the parent sample, the parent and spiked samples were reanalyzed at 1:100 dilutions. Spike recoveries were high for both the MS and MSD samples. The relative percent difference (RPD) between the two spike recoveries was, however within method performance control limits.

Surrogates: All samples were spiked with 16.7 ug/kilogram of surrogate standards tetrachloro-m-xylene and dibutylchorendate. Even though the method only requires one surrogate to be within control limits, two are spiked. This is done since the retention time window for tetrachloro-m-xylene falls in the same region as PCB 1016 while the retention time window for dibutylchlorendate falls in the same region as PCB 1260. If high concentrations of either PCB are present in the sample, the remaining surrogate can still be effectively quantitated, maintaining acceptable quality control. Surrogate acceptance critria is met if one of the surrogates is in control. All tetrachloro-m-xylene surrogate recoveries were within the method performance control limits. The dibutylchlorendate was masked by an interference in the PCB pattern in all samples except the method blank, QC and field samples 97C05175, 97C05178, 97C05179, 97C05180, 97C05187 and 97C05188. All dibutylchlorendate recoveries reported are within method performance control limits. Since all tetrachloro-m-xylene surrogate recoveries were within the method performance control limits, surrogate acceptance criteria was met.

Instrument QC:

Initial Calibration: All calibration curves met method specification.

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

Continuing Calibration Verification (CCV): All continuing calibration verification standard recoveries were within ±15% with exception of PCB-1260 recoveries in CCV#4 (-25%) and CCV#5 (-26%). Low PCB recoveries are attributed to the analysis of the undiluted field samples. Calibration recoveries have typically been low following the analysis of undiluted soil field samples. Dilutions analyses for the field samples are therefore analyzed prior to the undiluted sample analyses.

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

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

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

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

C_E = Analyte concentration in extract (mg/mL)

V_E = Final volume of extract (mL)

DF = Dilution factor

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

Miscellaneous Comments: Sample identification is as follows:

DCL Sample ID	RFW Sample ID	DCL Sample ID	RFW Sample ID
97C05169	KKKNS3	97C05179	EEESS2
97C05170	KKKNS2	97C05180	EEESD2
97C05171	KKKSS2	97C05181	EEESS1
97C05172	KKKSED(D)	97C05182	EEESED(S)
97C05173	KKKSD1	97C05183	EEENS3
97C05174	KKKND2	97C05184	EEEND1
97C05175	EEEND2	97C05185	CCCSED(S)
97C05176	EEENS1	97C05186	CCCNS1
97C05177	EEENS2	97C05187	CCCND1
97C05178	EEESD1	97C05188	CCCSED(D)

Richard W. Wade December 16, 1997

Richard W. Wade, DCL Section Manager

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00014

CLIENT SAMPLE NO.
KKKNS3

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05169
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 33.2
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 13:54
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	4.4	10.	4.4	UD
11104-28-2	Aroclor 1221	31.	50.	31.	UD
11141-16-5	Aroclor 1232	5.5	10.	5.5	UD
53469-21-9	Aroclor 1242	3.8	10.	3.8	UD
12672-29-6	Aroclor 1248	340 ~~3.4~~	1000 ~~10.~~	340 ~~3.4~~	UD
11097-69-1	Aroclor 1254	230 ~~2.3~~	~~10.~~	7800	D N
11096-82-5	Aroclor 1260	220 ~~2.2~~	~~10.~~	220 ~~2.2~~	UD J

D=1:100

0007

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KKKNS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05170
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 37.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 14:31
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	4.7	11.	4.7	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	370 ~~3.7~~	1100 ~~11.~~	370 ~~3.7~~	UD
11097-69-1	Aroclor 1254	250 ~~2.5~~	↓ ~~11.~~	8100 ~~8000~~	D N
11096-82-5	Aroclor 1260	240 ~~2.4~~	↓ ~~11.~~	240 ~~2.4~~	UD J

D=1:100

0008

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KKKSS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05171
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 24.2
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 15:07
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	3.9	8.8	3.9	UD
11104-28-2	Aroclor 1221	28.	44.	28.	UD
11141-16-5	Aroclor 1232	4.9	8.8	4.9	UD
53469-21-9	Aroclor 1242	3.3	8.8	3.3	UD
12672-29-6	Aroclor 1248	300 ~~3.0~~	880 ~~8.8~~	300 ~~3.0~~	UD
11097-69-1	Aroclor 1254	200 ~~2.0~~	~~8.8~~	17000	DN
11096-82-5	Aroclor 1260	190 ~~1.9~~	~~8.8~~	190 ~~1.9~~	UDJ

D=1:100

0009

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KKKSED(D)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05172
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 28.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 15:44
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	4.1	9.3	4.1	UD
11104-28-2	Aroclor 1221	29.	47.	29.	UD
11141-16-5	Aroclor 1232	5.1	9.3	x 100 5.1	UD
53469-21-9	Aroclor 1242	3.5	9.3	3.5	UD
12672-29-6	Aroclor 1248	x 100 3.2	9.3	3.2	UD
11097-69-1	Aroclor 1254	2.2	400 9.3	5800 ~~5900~~	DN
11096-82-5	Aroclor 1260	2.1	9.3	210 ~~2.1~~	UD J

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KKKSD1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05173
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 39.0
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 16:21
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	4.8	11.	4.8	UD
11104-28-2	Aroclor 1221	34.	55.	34.	UD
11141-16-5	Aroclor 1232	6.0	11.	6.0	UD
53469-21-9	Aroclor 1242	4.1	11.	4.1	UD
12672-29-6	Aroclor 1248	3.8	11.	3.8	UD
11097-69-1	Aroclor 1254	2.5	11.	43000*	N
11096-82-5	Aroclor 1260	2.4	11.	240 ~~24~~	UD J

0011

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

KKKND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05174
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: 22-Nov-1997 16:58
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	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	290 ~~2.9~~	840 ~~8.4~~	290 ~~2.9~~	UD
11097-69-1	Aroclor 1254	190 ~~1.9~~	~~8.4~~	5800	D N
11096-82-5	Aroclor 1260	~~1.9~~	~~8.4~~	190 ~~1.9~~	UD J

D=1:100

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEEND2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05175
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 12.0 /
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 17:34
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	3.4	7.6	3.4	UD
11104-28-2	Aroclor 1221	24.	38.	24.	UD
11141-16-5	Aroclor 1232	4.2	7.6	4.2	UD
53469-21-9	Aroclor 1242	2.9	7.6	2.9	UD
12672-29-6	Aroclor 1248	2.6	7.6	2.6	UD
11097-69-1	Aroclor 1254	180 ~~1.8~~	760 ~~7.6~~	1300	D NJ
11096-82-5	Aroclor 1260	170 ~~1.7~~	↓ ~~7.6~~	170 ~~1.7~~	UD J

D=1:100

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

Report Number: 97-00014

CLIENT SAMPLE NO.

EEENS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05176
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 26.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 18:11
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	4.0	9.1	4.0	UD
11104-28-2	Aroclor 1221	29.	45.	29.	UD
11141-16-5	Aroclor 1232	5.0	9.1	5.0	UD
53469-21-9	Aroclor 1242	3.5	9.1	3.5	UD
12672-29-6	Aroclor 1248	~~3.1~~ 310	~~9.1~~ 910	~~3.1~~ 310	UD
11097-69-1	Aroclor 1254	~~2.1~~ 210	~~9.1~~ 1	16000	DM
11096-82-5	Aroclor 1260	~~2.0~~ 200	~~9.1~~ ↓	~~2.0~~ 200	UD J

D = 1:100

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEENS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05177
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 34.0
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 20:38
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.	50.	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~~	100 ~~10.~~	300 ~~3.5~~	UD
11097-69-1	Aroclor 1254	230 ~~2.3~~	1 ~~10.~~	18000	D N
11096-82-5	Aroclor 1260	220 ~~2.2~~	↓ ~~10.~~	220 ~~2.2~~	UD J

D= N100

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEESD1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05178
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 7.80
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 11:56
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	3.2	7.2	3.2	U
11104-28-2	Aroclor 1221	23.	36.	23.	U
11141-16-5	Aroclor 1232	4.0	7.2	4.0	U
53469-21-9	Aroclor 1242	2.7	7.2	2.7	U
12672-29-6	Aroclor 1248	2.5	7.2	2.5	U
11097-69-1	Aroclor 1254	1.7	7.2	9.8	NJ
11096-82-5	Aroclor 1260	1.6	7.2	1.6	UJ

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEESS2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05179
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 20.2
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 21:51
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	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	1.9	8.4	490 ~~150~~	~~D~~ NJ
11096-82-5	Aroclor 1260	1.8	8.4	1.8	~~UD~~ J

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEESD2

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05180
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 9.70 /
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 13:09
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	3.3	7.4	3.3	U
11104-28-2	Aroclor 1221	23.	37.	23.	U
11141-16-5	Aroclor 1232	4.1	7.4	4.1	U
53469-21-9	Aroclor 1242	2.8	7.4	2.8	U
12672-29-6	Aroclor 1248	2.5	7.4	2.5	U
11097-69-1	Aroclor 1254	1.7	7.4	20.	JN
11096-82-5	Aroclor 1260	1.6	7.4	1.6	UJ

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DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEESS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05181
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 29.0
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 23:05
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: ~~100.~~ 1
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

CAS NO.	COMPOUND	MDL	PQL	CONC: ug/Kg	Q
12674-11-2	Aroclor 1016	4.2	9.4	4.2	UD
11104-28-2	Aroclor 1221	29.	47.	29.	UD
11141-16-5	Aroclor 1232	5.2	9.4	5.2	UD
53469-21-9	Aroclor 1242	3.6	9.4	3.6	UD
12672-29-6	Aroclor 1248	320 ~~3.2~~	940 ~~9.4~~	320 ~~3.2~~	UD
11097-69-1	Aroclor 1254	220 ~~2.2~~	9.4	21000	D N
11096-82-5	Aroclor 1260	210 ~~2.1~~	9.4	210 ~~2.1~~	UD J

D=1:100

0019

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEESED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05182
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 22.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 23:42
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	3.8	8.6	3.8	~~UD~~
11104-28-2	Aroclor 1221	27.	43.	27.	~~UD~~
11141-16-5	Aroclor 1232	4.7	8.6	4.7	~~UD~~
53469-21-9	Aroclor 1242	3.3	8.6	3.3	~~UD~~
12672-29-6	Aroclor 1248	300 ~~8.0~~	860 ~~8.6~~	300 ~~3.0~~	UD
11097-69-1	Aroclor 1254	200 ~~2.0~~	1 ~~8.6~~	7000	DN
11096-82-5	Aroclor 1260	190 ~~1.9~~	↓ ~~8.6~~	190 ~~1.9~~	UD J

D=1/100

0020

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEENS3

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05183
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 23.8 ✓
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 00:18
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	3.9	8.8	3.9	UD
11104-28-2	Aroclor 1221	27.	44.	27.	UD
11141-16-5	Aroclor 1232	4.8	8.8	4.8	UD
53469-21-9	Aroclor 1242	3.3	8.8	3.3	UD
12672-29-6	Aroclor 1248	300 ~~3.0~~	880 ~~8.8~~	300 ~~3.0~~	UD
11097-69-1	Aroclor 1254	200 ~~2.0~~	~~8.8~~	15000 ~~14000~~	DN
11096-82-5	Aroclor 1260	190 ~~1.9~~	~~8.8~~	190 ~~1.9~~	UD J

D=1:100

0021

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEEND1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05184
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 24.4
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 00:55
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	3.9	8.8	3.9	UD
11104-28-2	Aroclor 1221	28.	44.	28.	UD
11141-16-5	Aroclor 1232	4.9	8.8	4.9	UD
53469-21-9	Aroclor 1242	3.3	8.8	3.3	UD
12672-29-6	Aroclor 1248	300 ~~3.0~~	880 ~~8.8~~	300 ~~3.0~~	UD
11097-69-1	Aroclor 1254	200 ~~2.0~~	1 ~~8.8~~	25000	DN
11096-82-5	Aroclor 1260	190 ~~1.9~~	↓ ~~8.8~~	190 ~~1.9~~	UD J

D=1:100

0022

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CCCSED(S)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05185
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 19.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 02:09
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	8.3	3.7	UD
11104-28-2	Aroclor 1221	26.	42.	26.	UD
11141-16-5	Aroclor 1232	4.6	8.3	4.6	UD
53469-21-9	Aroclor 1242	3.2	8.3	3.2	UD
12672-29-6	Aroclor 1248	290 ~~2.9~~	830 ~~8.3~~	290 ~~2.9~~	UD
11097-69-1	Aroclor 1254	190 ~~1.9~~	~~8.3~~	3300 ~~3400~~	D NJ
11096-82-5	Aroclor 1260	180 ~~1.8~~	~~8.3~~	180 ~~1.8~~	UD J

D=1:100

0023

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CCCNS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05186
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 34.0
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 02:45
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.	50.	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	3.5	10.	3.5	UD
11097-69-1	Aroclor 1254	230 ~~8.3~~	1000 ~~10.~~	8100 ~~8000.~~	D NJ
11096-82-5	Aroclor 1260	220 ~~2.2~~	1 ~~10.~~	220 ~~2.2~~	UD J

D= 1:100

0024

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CCCND1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05187
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 10.1
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 18:03
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	3.3	7.4	3.3	U
11104-28-2	Aroclor 1221	23.	37.	23.	U
11141-16-5	Aroclor 1232	4.1	7.4	4.1	U
53469-21-9	Aroclor 1242	2.8	7.4	2.8	U
12672-29-6	Aroclor 1248	2.6	7.4	2.6	U
11097-69-1	Aroclor 1254	1.7	7.4	31.	N
11096-82-5	Aroclor 1260	1.6	7.4	1.6	UJ

FORM I CHROM

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

CCCSED(D)

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05188
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 18.5
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 23-Nov-1997 03:59
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	3.6	8.2	3.6	UD
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	1.9	8.2	2000	DN
11096-82-5	Aroclor 1260	1.8	8.2	1.8	UDJ

D=1:100

0026

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEENS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05176MS
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 26.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 19:24
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	9.1	6650	D
11096-82-5	Aroclor 1260	2.0	9.1	14400	D

0027

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

EEENS1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: 97C05176MSD
Sample wt/vol: 0.030 Kg
Reporting Basis: Dry
% Moisture: 26.8
Decanted: N
Date Received: 07-Nov-1997 00:00
Extraction Method: 3550C
Date Extracted: 13-Nov-1997 00:00
Analysis Method: 8080A
Date Analyzed: 22-Nov-1997 20:01
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	9.1	6450	D
11096-82-5	Aroclor 1260	2.0	9.1	15400	D

0028

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

BL-142132-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: BL-142132-1
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: 22-Nov-1997 12:40
Concentrated Extract Volume: 10.0 mL
Injection Volume: 3.0 uL
Dilution Factor: 1.00
GPC Cleanup: N
pH: N/A
Sulfur Cleanup: Y

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

FORM I CHROM

DATA CHEM
LABORATORIES, INC.
A SORENSON COMPANY

1
PESTICIDES
ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

QC-142132-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: QC-142132-1
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: 22-Nov-1997 13:17
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	168.	
11096-82-5	Aroclor 1260	1.47	6.67	155.	

FORM I CHROM

SEE NEXT PAGE FOR REVISION

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

2
PESTICIDES
SURROGATE RECOVERY

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
Analysis Method: 8080A
Column(1): DB-608
ID: .53mm

	CLIENT SAMPLE NO.	TCX COLUMN 1 % REC	DBC COLUMN 1 % REC	TOTAL OUT
07	EEEND2	98.7	85.1	0
10	EEESD1	99.6	80.1	0
11	EEESS2	97.9	80.0	0
12	EEESD2	97.5	82.3	0
19	CCCND1	93.6	77.3	0
20	CCCSED(D)	99.7	82.4	0
23	BL-142132-1	96.0	93.4	0
24	QC-142132-1	88.6	99.3	0

QC LIMITS

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

FORM II CHROM

0031

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

2
PESTICIDES
SURROGATE RECOVERY

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: CCCND1 DCL Set ID: 97C-0435-01

Matrix: SOIL Analysis Method: 8080A

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

	CLIENT SAMPLE NO.	TCX COLUMN 1 % REC	DBC COLUMN 1 % REC	TOTAL OUT
01	KKKNS3	88.2		0
02	KKKNS2	84.7		0
03	KKKSS2	92.5		0
04	KKKSED(D)	93.1		0
05	KKKSD1	91.3		0
06	KKKND2	94.1		0
07	EEEND2	98.7	85.1	0
08	EEENS1	92.4		0
09	EEENS2	92.5		0
10	EEESD1	99.6	80.1	0
11	EEESS2	97.9	80.0	0
12	EEESD2	97.5	82.3	0
13	EEESS1	88.9		0
14	EEESED(S)	94.9		0
15	EEENS3	78.6		0
16	EEEND1	94.7		0
17	CCCSED(S)	97.3		0
18	CCCNS1	94.7		0
19	CCCND1	93.6	77.3	0
20	CCCSED(D)	99.7	82.4	0
21	EEENS1	89.2		0
22	EEENS1	92.1		0
23	BL-142132-1	96.0	93.4	0
24	QC-142132-1	88.6	99.3	0

QC LIMITS

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

FORM II CHROM

0031

DATA CHEM LABORATORIES, INC.
A SORENSON COMPANY

3-1
PESTICIDES
MS and MSD RECOVERY

Report Number: 97-00014

Client Name: Roy F. Weston Site: NA

Project: NA SDG No.: CCCND1 DCL Set ID: 97C-0435-01

Matrix: SOIL Analysis Method: 8080A

Matrix Spike - Client Sample No. EEENS1 DCL Sample No.: 97C05176MS

MS Concentration Units: ug/Kg

COMPOUND	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	REC QC LIMITS
Aroclor 1016	167.	0 ~~9200~~	8292 ~~6650~~	4965 ~~574.~~ *	44.0-140.
Aroclor 1260	167.	0 ~~19000~~	17917 ~~14400~~	10727 ~~2180~~ *	48.1-146.

MSD Concentration Units: ug/Kg

COMPOUND	SPIKE ADDED	MSD CONCENTRATION	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC
Aroclor 1016	167.	8042 ~~6450~~	4816 ~~697.~~ *	7.6 ~~3.13~~	15.8	44.0-140.
Aroclor 1260	167.	19208 ~~15400~~	11502 ~~1580~~ *	6.95 ~~6.73~~	45.9	48.1-146.

* Values outside of contract required QC limits.

RPD: 0 out of 2 outside limits.
Spike Recovery: 4 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: 97-00014

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
Analysis Method: 8080A
DCL Sample No.: QC-142132-1

LCS Concentration Units: ug/Kg

COMPOUND	TARGET CONCENTRATION	LCS CONCENTRATION	LCS % REC	REC QC LIMITS
Aroclor 1016	167.	168.	101.	53.1-140.
Aroclor 1260	167.	155.	93.1	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: 97-00014

SAMPLE NO.
BL-142132-1

Client Name: Roy F. Weston
Site: NA
Project: NA
SDG No.: CCCND1
DCL Set ID: 97C-0435-01
Matrix: SOIL
DCL Sample ID: BL-142132-1
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): 22-Nov-1997 12:40
Instrument ID (1): GC/ECD-6

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

	CLIENT SAMPLE NO.	DCL SAMPLE NO.	DATE ANALYZED COLUMN 1
01	KKKNS3	97C05169	22-Nov-1997 13:54
02	KKKNS2	97C05170	22-Nov-1997 14:31
03	KKKSS2	97C05171	22-Nov-1997 15:07
04	KKKSED(D)	97C05172	22-Nov-1997 15:44
05	KKKSD1	97C05173	22-Nov-1997 16:21
06	KKKND2	97C05174	22-Nov-1997 16:58
07	EEEND2	97C05175	22-Nov-1997 17:34
08	EEENS1	97C05176	22-Nov-1997 18:11
09	EEENS2	97C05177	22-Nov-1997 20:38
10	EEESD1	97C05178	23-Nov-1997 11:56
11	EEESS2	97C05179	22-Nov-1997 21:51
12	EEESD2	97C05180	23-Nov-1997 13:09
13	EEESS1	97C05181	22-Nov-1997 23:05
14	EEESED(S)	97C05182	22-Nov-1997 23:42
15	EEENS3	97C05183	23-Nov-1997 00:18
16	EEEND1	97C05184	23-Nov-1997 00:55
17	CCCSED(S)	97C05185	23-Nov-1997 02:09
18	CCCNS1	97C05186	23-Nov-1997 02:45
19	CCCND1	97C05187	23-Nov-1997 18:03
20	CCCSED(D)	97C05188	23-Nov-1997 03:59
21	EEENS1	97C05176MS	22-Nov-1997 19:24
22	EEENS1	97C05176MSD	22-Nov-1997 20:01
23	QC-142132-1	QC-142132-1	22-Nov-1997 13:17

FORM IV CHROM

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

NA IRDMIS

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

NA Commercial Forms

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

☒ RLIMS Forms

- ☒ Cover Form
- ☒ Sample Group Comments (Form H)
- ☒ Sample Analysis Data Sheet (Form A)
- ☒ Laboratory Control Sample (Form B)
- NA Blank Sample (Form C)
- NA Matrix Spike Sample (Form D)
- NA Matrix Duplicate Sample (Form E)
- ☒ Matrix Spike/Matrix Spike Duplicate Sample (Form F)
- ☒ Surrogate Summary (Form G)
- ☒ Initial Calibration Form
- ☒ Initial Calibration Verification (ICV) Form
- NA Continuing Calibration Form
- NA Serial Dilution Form
- NA 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.

0035

Assembled by: _____ (Signature) 12/15/97 (Date) Reviewed by: _____ (Signature) 12/16/97 (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
12169710353248
Page 1

G97B701K

DCL Report Group..: 97C-0435-01

Date Printed.....: 16-DEC-97 10:35

Project Protocol #: P97B5002
Client Ref Number.: Not Provided
Release Number....: CCCND1

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-142132-1	NA	NA
LCS	QC-142132-1	NA	NA
KKKNS3	97C05169	06-NOV-97	07-NOV-97
KKKNS2	97C05170	06-NOV-97	07-NOV-97
KKKSS2	97C05171	06-NOV-97	07-NOV-97
KKKSED(D)	97C05172	06-NOV-97	07-NOV-97
KKKSD1	97C05173	06-NOV-97	07-NOV-97
KKKND2	97C05174	06-NOV-97	07-NOV-97
EEEND2	97C05175	06-NOV-97	07-NOV-97
EEENS1	97C05176	06-NOV-97	07-NOV-97
EEENS1	97C05176MS	06-NOV-97	07-NOV-97
EEENS1	97C05176MSD	06-NOV-97	07-NOV-97
EEENS2	97C05177	06-NOV-97	07-NOV-97
EEESD1	97C05178	06-NOV-97	07-NOV-97
EEESS2	97C05179	06-NOV-97	07-NOV-97
EEESD2	97C05180	06-NOV-97	07-NOV-97
EEESS1	97C05181	06-NOV-97	07-NOV-97
EEESED(S)	97C05182	06-NOV-97	07-NOV-97
EEENS3	97C05183	06-NOV-97	07-NOV-97
EEEND1	97C05184	06-NOV-97	07-NOV-97
CCCSED(S)	97C05185	06-NOV-97	07-NOV-97
CCCNS1	97C05186	06-NOV-97	07-NOV-97
CCCND1	97C05187	06-NOV-97	07-NOV-97
CCCSED(D)	97C05188	06-NOV-97	07-NOV-97

Analyst: J. Chris Taylor — Date 12/16/97

Reviewer: Vicki Hoe-Lin Tsai — Date 12/16/97

Lab Supervisor: Richard W. Wade — Date 12/17/97

0036

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

SAMPLE GROUP COMMENTS

G97B701K

DCL Report Group..: 97C-0435-01
Date Printed.....: 16-DEC-97 10:35

Client Name...: Roy F. Weston

Release Number....: CCCND1

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.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97BC01V

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: CCCND1

Date Received.....: Not Applicable

Client Sample Name: **BL-142132-1**
DCL Sample Name...: **BL-142132-1**
DCL Report Group..: **97C-0435-01**

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 12:40	2.95	ND			1.00	6.67
Aroclor 1221	22-NOV-97 12:40	20.9	ND			1.00	33.3
Aroclor 1232	22-NOV-97 12:40	3.68	ND			1.00	6.67
Aroclor 1242	22-NOV-97 12:40	2.53	ND			1.00	6.67
Aroclor 1248	22-NOV-97 12:40	2.30	ND			1.00	6.67
Aroclor 1254	22-NOV-97 12:40	1.54	ND			1.00	6.67
Aroclor 1260	22-NOV-97 12:40	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	15.6	16.7	93.4
Tetrachloro-m-xylene	16.0	16.7	96.0

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710353248
Page 4

S97BC01W

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: CCCND1

Date Received.....: Not Applicable

Client Sample Name: QC-142132-1
DCL Sample Name...: QC-142132-1
DCL Report Group..: 97C-0435-01

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 13:17	2.95	170			1.00	6.67
Aroclor 1260	22-NOV-97 13:17	1.47	160			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	16.6	16.7	99.3
Tetrachloro-m-xylene	14.8	16.7	88.6

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70CW

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: KKKNS3
DCL Sample Name...: 97C05169
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 10:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 66.8

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 13:54	4.4	ND			100.	10.
Aroclor 1221	22-NOV-97 13:54	31.	ND			100.	50.
Aroclor 1232	22-NOV-97 13:54	5.5	ND			100.	10.
Aroclor 1242	22-NOV-97 13:54	3.8	ND			100.	10.
Aroclor 1248	22-NOV-97 13:54	3.4	ND			100.	10.
Aroclor 1254	22-NOV-97 13:54	2.3	7800			100.	10.
Aroclor 1260	22-NOV-97 13:54	2.2	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.7	16.7	88.2

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70CX

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **KKKNS2**
DCL Sample Name...: **97C05170**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:45
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 62.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 14:31	4.7	ND			100.	11.
Aroclor 1221	22-NOV-97 14:31	34.	ND			100.	54.
Aroclor 1232	22-NOV-97 14:31	5.9	ND			100.	11.
Aroclor 1242	22-NOV-97 14:31	4.1	ND			100.	11.
Aroclor 1248	22-NOV-97 14:31	3.7	ND			100.	11.
Aroclor 1254	22-NOV-97 14:31	2.5	8000			100.	11.
Aroclor 1260	22-NOV-97 14:31	2.4	ND			100.	11.

Surrogate Recoveries

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

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

SAMPLE ANALYSIS DATA SHEET

S97B70CY

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: KKKSS2
DCL Sample Name...: 97C05171
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:50
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 75.8

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 15:07	3.9	ND			100.	8.8
Aroclor 1221	22-NOV-97 15:07	28.	ND			100.	44.
Aroclor 1232	22-NOV-97 15:07	4.9	ND			100.	8.8
Aroclor 1242	22-NOV-97 15:07	3.3	ND			100.	8.8
Aroclor 1248	22-NOV-97 15:07	3.0	ND			100.	8.8
Aroclor 1254	22-NOV-97 15:07	2.0	17000			100.	8.8
Aroclor 1260	22-NOV-97 15:07	1.9	ND			100.	8.8

Surrogate Recoveries

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

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

SAMPLE ANALYSIS DATA SHEET

S97B70CZ

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: KKKSED(D)
DCL Sample Name...: 97C05172
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:45
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 71.5

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 15:44	4.1	ND			100.	9.3
Aroclor 1221	22-NOV-97 15:44	29.	ND			100.	47.
Aroclor 1232	22-NOV-97 15:44	5.1	ND			100.	9.3
Aroclor 1242	22-NOV-97 15:44	3.5	ND			100.	9.3
Aroclor 1248	22-NOV-97 15:44	3.2	ND			100.	9.3
Aroclor 1254	22-NOV-97 15:44	2.2	5900			100.	9.3
Aroclor 1260	22-NOV-97 15:44	2.1	ND			100.	9.3

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.5	16.7	93.1

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D0

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **KKKSD1**
DCL Sample Name...: **97C05173**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:46
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 61.0

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 16:21	4.8	ND			100.	11.
Aroclor 1221	22-NOV-97 16:21	34.	ND			100.	55.
Aroclor 1232	22-NOV-97 16:21	6.0	ND			100.	11.
Aroclor 1242	22-NOV-97 16:21	4.1	ND			100.	11.
Aroclor 1248	22-NOV-97 16:21	3.8	ND			100.	11.
Aroclor 1254	22-NOV-97 16:21	2.5	43000			100.	11.
Aroclor 1260	22-NOV-97 16:21	2.4	ND			100.	11.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.2	16.7	91.3

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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
12169710353248
Page 10

S97B70D1

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: KKKND2
DCL Sample Name...: 97C05174
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:53
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 79.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 16:58	3.7	ND			100.	8.4
Aroclor 1221	22-NOV-97 16:58	26.	ND			100.	42.
Aroclor 1232	22-NOV-97 16:58	4.6	ND			100.	8.4
Aroclor 1242	22-NOV-97 16:58	3.2	ND			100.	8.4
Aroclor 1248	22-NOV-97 16:58	2.9	ND			100.	8.4
Aroclor 1254	22-NOV-97 16:58	1.9	5800			100.	8.4
Aroclor 1260	22-NOV-97 16:58	1.9	ND			100.	8.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.7	16.7	94.1

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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
12169710353248

S97B70D2

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEEND2
DCL Sample Name...: 97C05175
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:23
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 88.0

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 17:34	3.4	ND			100.	7.6
Aroclor 1221	22-NOV-97 17:34	24.	ND			100.	38.
Aroclor 1232	22-NOV-97 17:34	4.2	ND			100.	7.6
Aroclor 1242	22-NOV-97 17:34	2.9	ND			100.	7.6
Aroclor 1248	22-NOV-97 17:34	2.6	ND			100.	7.6
Aroclor 1254	22-NOV-97 17:34	1.8	1300			100.	7.6
Aroclor 1260	22-NOV-97 17:34	1.7	ND			100.	7.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	14.2	16.7	85.1
Tetrachloro-m-xylene	16.5	16.7	98.7

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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
12169710353248
Page 12

S97B70D3

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEEN81
DCL Sample Name...: 97C05176
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 73.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 18:11	4.0	ND			100.	9.1
Aroclor 1221	22-NOV-97 18:11	29.	ND			100.	45.
Aroclor 1232	22-NOV-97 18:11	5.0	ND			100.	9.1
Aroclor 1242	22-NOV-97 18:11	3.5	ND			100.	9.1
Aroclor 1248	22-NOV-97 18:11	3.1	ND			100.	9.1
Aroclor 1254	22-NOV-97 18:11	2.1	16000			100.	9.1
Aroclor 1260	22-NOV-97 18:11	2.0	ND			100.	9.1

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.4	16.7	92.4

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D4

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEENS1
DCL Sample Name...: 97C05176MS
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 73.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 19:24	4.0	9200			100.	9.1
Aroclor 1260	22-NOV-97 19:24	2.0	19000			100.	9.1

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.9	16.7	89.2

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D5

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEENS1
DCL Sample Name...: 97C05176MSD
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 73.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 20:01	4.0	8700			100.	9.1
Aroclor 1260	22-NOV-97 20:01	2.0	20000			100.	9.1

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.4	16.7	92.1

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D6

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEENS2
DCL Sample Name...: 97C05177
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:24
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 66.0

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 20:38	4.5	ND			100.	10.
Aroclor 1221	22-NOV-97 20:38	32.	ND			100.	50.
Aroclor 1232	22-NOV-97 20:38	5.6	ND			100.	10.
Aroclor 1242	22-NOV-97 20:38	3.8	ND			100.	10.
Aroclor 1248	22-NOV-97 20:38	3.5	ND			100.	10.
Aroclor 1254	22-NOV-97 20:38	2.3	18000			100.	10.
Aroclor 1260	22-NOV-97 20:38	2.2	ND			100.	10.

Surrogate Recoveries

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

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710353248
Page 16

S97B70D7

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEESD1
DCL Sample Name...: 97C05178
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 92.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 11:56	3.2	ND			1.00	7.2
Aroclor 1221	23-NOV-97 11:56	23.	ND			1.00	36.
Aroclor 1232	23-NOV-97 11:56	4.0	ND			1.00	7.2
Aroclor 1242	23-NOV-97 11:56	2.7	ND			1.00	7.2
Aroclor 1248	23-NOV-97 11:56	2.5	ND			1.00	7.2
Aroclor 1254	23-NOV-97 11:56	1.7	9.8			1.00	7.2
Aroclor 1260	23-NOV-97 11:56	1.6	ND			1.00	7.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	13.4	16.7	80.1
Tetrachloro-m-xylene	16.6	16.7	99.6

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D8

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEESS2
DCL Sample Name...: 97C05179
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:27
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 79.8

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 21:51	3.7	ND			100.	8.4
Aroclor 1221	22-NOV-97 21:51	26.	ND			100.	42.
Aroclor 1232	22-NOV-97 21:51	4.6	ND			100.	8.4
Aroclor 1242	22-NOV-97 21:51	3.2	ND			100.	8.4
Aroclor 1248	22-NOV-97 21:51	2.9	ND			100.	8.4
Aroclor 1254	22-NOV-97 21:51	1.9	150			100.	8.4
Aroclor 1260	22-NOV-97 21:51	1.8	ND			100.	8.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	13.3	16.7	80.0
Tetrachloro-m-xylene	16.3	16.7	97.9

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D9

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEESD2
DCL Sample Name...: 97C05180
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:24
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 90.3

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 13:09	3.3	ND			1.00	7.4
Aroclor 1221	23-NOV-97 13:09	23.	ND			1.00	37.
Aroclor 1232	23-NOV-97 13:09	4.1	ND			1.00	7.4
Aroclor 1242	23-NOV-97 13:09	2.8	ND			1.00	7.4
Aroclor 1248	23-NOV-97 13:09	2.5	ND			1.00	7.4
Aroclor 1254	23-NOV-97 13:09	1.7	20.			1.00	7.4
Aroclor 1260	23-NOV-97 13:09	1.6	ND			1.00	7.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	13.7	16.7	82.3
Tetrachloro-m-xylene	16.3	16.7	97.5

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DB

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEESS1
DCL Sample Name...: 97C05181
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 71.0

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 23:05	4.2	ND			100.	9.4
Aroclor 1221	22-NOV-97 23:05	29.	ND			100.	47.
Aroclor 1232	22-NOV-97 23:05	5.2	ND			100.	9.4
Aroclor 1242	22-NOV-97 23:05	3.6	ND			100.	9.4
Aroclor 1248	22-NOV-97 23:05	3.2	ND			100.	9.4
Aroclor 1254	22-NOV-97 23:05	2.2	21000			100.	9.4
Aroclor 1260	22-NOV-97 23:05	2.1	ND			100.	9.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.8	16.7	88.9

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DC

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **HEESED(S)**
DCL Sample Name...: **97C05182**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:20
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 77.6

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 23:42	3.8	ND			100.	8.6
Aroclor 1221	22-NOV-97 23:42	27.	ND			100.	43.
Aroclor 1232	22-NOV-97 23:42	4.7	ND			100.	8.6
Aroclor 1242	22-NOV-97 23:42	3.3	ND			100.	8.6
Aroclor 1248	22-NOV-97 23:42	3.0	ND			100.	8.6
Aroclor 1254	22-NOV-97 23:42	2.0	7000			100.	8.6
Aroclor 1260	22-NOV-97 23:42	1.9	ND			100.	8.6

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.8	16.7	94.9

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DD

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEEN83
DCL Sample Name...: 97C05183
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 76.2

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 00:18	3.9	ND			100.	8.8
Aroclor 1221	23-NOV-97 00:18	27.	ND			100.	44.
Aroclor 1232	23-NOV-97 00:18	4.8	ND			100.	8.8
Aroclor 1242	23-NOV-97 00:18	3.3	ND			100.	8.8
Aroclor 1248	23-NOV-97 00:18	3.0	ND			100.	8.8
Aroclor 1254	23-NOV-97 00:18	2.0	14000			100.	8.8
Aroclor 1260	23-NOV-97 00:18	1.9	ND			100.	8.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	13.1	16.7	78.6

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DF

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: EEEND1
DCL Sample Name...: 97C05184
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 75.6

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 00:55	3.9	ND			100.	8.8
Aroclor 1221	23-NOV-97 00:55	28.	ND			100.	44.
Aroclor 1232	23-NOV-97 00:55	4.9	ND			100.	8.8
Aroclor 1242	23-NOV-97 00:55	3.3	ND			100.	8.8
Aroclor 1248	23-NOV-97 00:55	3.0	ND			100.	8.8
Aroclor 1254	23-NOV-97 00:55	2.0	25000			100.	8.8
Aroclor 1260	23-NOV-97 00:55	1.9	ND			100.	8.8

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.8	16.7	94.7

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Page

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: CCC
DCL Sample Name...: 97C
DCL Report Group..: 97C

Matrix.....: SOIL
Date Sampled.....: 06-NO
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Rece
Percent Solids....: 80.2

DCL Analysis Group: G97C
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/EC
Column Type.....: DB-6
☒ Prima
☐ Confi

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution
Aroclor 1016	23-NOV-97 02:09	3.7	ND			100.
Aroclor 1221	23-NOV-97 02:09	26.	ND			100.
Aroclor 1232	23-NOV-97 02:09	4.6	ND			100.
Aroclor 1242	23-NOV-97 02:09	3.2	ND			100.
Aroclor 1248	23-NOV-97 02:09	2.9	ND			100.
Aroclor 1254	23-NOV-97 02:09	1.9	3400			100.
Aroclor 1260	23-NOV-97 02:09	1.8	ND			1

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.2	16.7	97.3

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DH

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: CCCNS1
DCL Sample Name...: 97C05186
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:10
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 66.0

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 02:45	4.5	ND			100.	10.
Aroclor 1221	23-NOV-97 02:45	32.	ND			100.	50.
Aroclor 1232	23-NOV-97 02:45	5.6	ND			100.	10.
Aroclor 1242	23-NOV-97 02:45	3.8	ND			100.	10.
Aroclor 1248	23-NOV-97 02:45	3.5	ND			100.	10.
Aroclor 1254	23-NOV-97 02:45	2.3	8000			100.	10.
Aroclor 1260	23-NOV-97 02:45	2.2	ND			100.	10.

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.8	16.7	94.7

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DJ

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: **CCCND1**
DCL Sample Name...: **97C05187**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:15
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 89.9

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 18:03	3.3	ND			1.00	7.4
Aroclor 1221	23-NOV-97 18:03	23.	ND			1.00	37.
Aroclor 1232	23-NOV-97 18:03	4.1	ND			1.00	7.4
Aroclor 1242	23-NOV-97 18:03	2.8	ND			1.00	7.4
Aroclor 1248	23-NOV-97 18:03	2.6	ND			1.00	7.4
Aroclor 1254	23-NOV-97 18:03	1.7	31.			1.00	7.4
Aroclor 1260	23-NOV-97 18:03	1.6	ND			1.00	7.4

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	12.9	16.7	77.3
Tetrachloro-m-xylene	15.6	16.7	93.6

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

SAMPLE ANALYSIS DATA SHEET

S97B70DK

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

Client Sample Name: CCCSED(D)
DCL Sample Name...: 97C05188
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:00
Reporting Units...: µg/Kg
Report Basis.....: ☐ As Received ☒ Dried
Percent Solids....: 81.5

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 03:59	3.6	ND			100.	8.2
Aroclor 1221	23-NOV-97 03:59	26.	ND			100.	41.
Aroclor 1232	23-NOV-97 03:59	4.5	ND			100.	8.2
Aroclor 1242	23-NOV-97 03:59	3.1	ND			100.	8.2
Aroclor 1248	23-NOV-97 03:59	2.8	ND			100.	8.2
Aroclor 1254	23-NOV-97 03:59	1.9	2000			100.	8.2
Aroclor 1260	23-NOV-97 03:59	1.8	ND			100.	8.2

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Dibutylchlorendate	13.7	16.7	82.4
Tetrachloro-m-xylene	16.6	16.7	99.7

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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)

S97BC01W

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C

DCL Sample Name...: QC-142132-1
Date Printed.....: 16-DEC-97 10:35

DCL Analysis Group: G97C000M
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	22-NOV-97 13:17	167.	168.	101.	53.1/140.	
PCB 1260	22-NOV-97 13:17	167.	155.	93.1	48.0/151.	

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DATA CHEM LABORATORIES
A Sorenson Company

FORM F (TYPE I)
SINGLE METHOD ANALYSES

QUALITY CONTROL DATA SHEET
MATRIX SPIKE SAMPLE
MATRIX SPIKE DUPLICATE SAMPLE

S97B70D4

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C

DCL Sample Name...: **97C05176MS**
Date Printed.....: 16-DEC-97 10:35

DCL Analysis Group: G97C000M
Analysis Method...: OP-SW-8080
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analyzed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PCB 1016	22-NOV-97 19:24	7610	6650	167.	-574.	44.0/140.	*
PCB 1260	22-NOV-97 19:24	18000	14400	167.	-2180	48.1/146.	*

S97B70D5

DCL Sample Name...: **97C05176MSD**

Analytical Results

Analyte	Date Analyzed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	22-NOV-97 20:01	6450	-697.	6550	205.	3.1	0.00/15.8	
PCB 1260	22-NOV-97 20:01	15400	-1580	14900	1000	6.7	0.00/45.9	

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

QUALITY CONTROL DATA SHEET
SURROGATE SUMMARY

G97BC012

Date Printed.....: 16-DEC-97 10:35

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

DCL Analysis Group: G97C000M
Analysis Method...: OP-SW-8080

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

DCL Prep Group....: G97BC012
Preparation Method: 3550C

QC Limit Type.....: Performance

Surrogate Recoveries

Surr. ID	Tetrachloro-m-xylene				Dibutylchlorendate							
QC Limits	38.4/156.				37.0/147.							
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05169	14.7	16.7	88.2									
97C05170	14.1	16.7	84.7									
97C05171	15.4	16.7	92.5									
97C05172	15.5	16.7	93.1									
97C05173	15.2	16.7	91.3									
97C05174	15.7	16.7	94.1									
97C05175	16.5	16.7	98.7		14.2	16.7	85.1					
97C05176	15.4	16.7	92.4									
97C05176MS	14.9	16.7	89.2									
97C05176MSD	15.4	16.7	92.1									
97C05177	15.4	16.7	92.5									
97C05178	16.6	16.7	99.6		13.4	16.7	80.1					
97C05179	16.3	16.7	97.9		13.3	16.7	80.0					
97C05180	16.3	16.7	97.5		13.7	16.7	82.3					
97C05181	14.8	16.7	88.9									
97C05182	15.8	16.7	94.9									
97C05183	13.1	16.7	78.6									
97C05184	15.8	16.7	94.7									
97C05185	16.2	16.7	97.3									
97C05186	15.8	16.7	94.7									
97C05187	15.6	16.7	93.6		12.9	16.7	77.3					
97C05188	16.6	16.7	99.7		13.7	16.7	82.4					
BL-142132-1	16.0	16.7	96.0		15.6	16.7	93.4					
QC-142132-1	14.8	16.7	88.6		16.6	16.7	99.3					

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DATA CHEM LABORATORIES
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FORM K
RUN LOG

Form RLIMS63-V1.0
12159718223880
Page 1

R97CG000

Run ID.....: R97CG000
Start Date.....: 13-NOV-1997 22:22

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Date Printed.....: 15-DEC-1997 18:22

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

	Sample Name	Dilution	Date Acquired
	PRIME	1	13-NOV-1997 22:22
	PCB221_2.0	1	13-NOV-1997 22:58
	PCB232_2.0	1	13-NOV-1997 23:35
	PCB242_2.0	1	14-NOV-1997 00:12
	PCB248_2.0	1	14-NOV-1997 00:49
	$1254_0.02 baseline	1	14-NOV-1997 01:25
	$1254_0.10 NG	1	14-NOV-1997 02:02
	$1254_0.20	1	14-NOV-1997 02:38
	$1254_1.0	1	14-NOV-1997 03:15
	$1254_2.0	1	14-NOV-1997 03:52
	ICV1254_1.0	1	14-NOV-1997 04:29
	$1660_0.01	1	14-NOV-1997 05:05
	$1660_0.10	1	14-NOV-1997 05:42
	$1660_0.20	1	14-NOV-1997 06:19
	$1660_1.0	1	14-NOV-1997 06:56
	$1660_2.0	1	14-NOV-1997 07:32
	ICV_1660_1.0	1	14-NOV-1997 08:09
1260 NG1	CCV_1660_1.0	1	22-NOV-1997 12:04
	BL-142132-1	1	22-NOV-1997 12:40
	QC-142132-1	1	22-NOV-1997 13:17
	97C05169 1254	100	22-NOV-1997 13:54
	97C05170	100	22-NOV-1997 14:31
	97C05171	100	22-NOV-1997 15:07
	97C05172 + interfer.	100	22-NOV-1997 15:44
	97C05173 1254	100	22-NOV-1997 16:21
	97C05174	100	22-NOV-1997 16:58
	97C05175	100	22-NOV-1997 17:34
	97C05176	100	22-NOV-1997 18:11
1260 NG 2	CCV_1660_1.0	1	22-NOV-1997 18:48
	97C05176MS	100	22-NOV-1997 19:24
	97C05176MSD	100	22-NOV-1997 20:01
	97C05177 1254	100	22-NOV-1997 20:38
	97C05178 NG	100	22-NOV-1997 21:15
	97C05179 weak	100	22-NOV-1997 21:51
	97C05180 NG	100	22-NOV-1997 22:28
	97C05181 1254	100	22-NOV-1997 23:05
	97C05182	100	22-NOV-1997 23:42
	97C05183	100	23-NOV-1997 00:18
	97C05184	100	23-NOV-1997 00:55
1260 NG 3	CCV_1660_1.0	1	23-NOV-1997 01:32
	97C05185 1254	100	23-NOV-1997 02:09
	97C05186	100	23-NOV-1997 02:45
	97C05187 NG	100	23-NOV-1997 03:22
	97C05188 1254	100	23-NOV-1997 03:59

	Sample Name	Dilution	Date Acquired
	97C05169 all but 5 alt → bo	1	23-NOV-1997 04:35
	97C05170	1	23-NOV-1997 05:12
	97C05171	1	23-NOV-1997 05:49
	97C05172 NG	1	23-NOV-1997 06:25
	97C05173	1	23-NOV-1997 07:02
	97C05174 all but 1 UP → bo	1	23-NOV-1997 07:39
1260 NG 4	CCV_1660_1.0	1	23-NOV-1997 08:16
	97C05175 all but 1 54 60	1	23-NOV-1997 08:52
	97C05176 all but 1 UP → bo	1	23-NOV-1997 09:29
	97C05176MS	1	23-NOV-1997 10:06
	97C05176MSD	1	23-NOV-1997 10:42
	97C05177 all but 1 UP → bo	1	23-NOV-1997 11:19
	97C05178 1254	1	23-NOV-1997 11:56
	97C05179	1	23-NOV-1997 12:33
	97C05180	1	23-NOV-1997 13:09
	97C05181 all but 1 UP → bo	1	23-NOV-1997 13:46
	97C05182	1	23-NOV-1997 14:23
1260 NG 5	CCV_1660_1.0	1	23-NOV-1997 14:59
	97C05183 all but 1 UP → bo	1	23-NOV-1997 15:36
	97C05184	1	23-NOV-1997 16:13
	97C05185 all but 1 54 60	1	23-NOV-1997 16:50
	97C05186	1	23-NOV-1997 17:27
	97C05187 1254	1	23-NOV-1997 18:03
	97C05188 all but 1 54 60	1	23-NOV-1997 18:40
	BL-142147-1	1	23-NOV-1997 19:17
	QC-142147-1	1	23-NOV-1997 19:53
	97C05251	1	23-NOV-1997 20:30
1260 NG 6	CCV_1660_1.0	1	23-NOV-1997 21:07
	BL-142144-1	1	23-NOV-1997 21:44
	QC-142144-1	1	23-NOV-1997 22:20
	97C05249	100	23-NOV-1997 22:57
	97C05249MS	100	23-NOV-1997 23:33
	97C05249MSD	100	24-NOV-1997 00:10
	97C05250	100	24-NOV-1997 00:47
	97C05249	1	24-NOV-1997 01:24
	97C05249MS	1	24-NOV-1997 02:00
	97C05249MSD	1	24-NOV-1997 02:37
	97C05250	1	24-NOV-1997 03:14
	CCV 1660 1.0	1	24-NOV-1997 03:50 NNFR

0065

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
12159718223880
Page 2

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

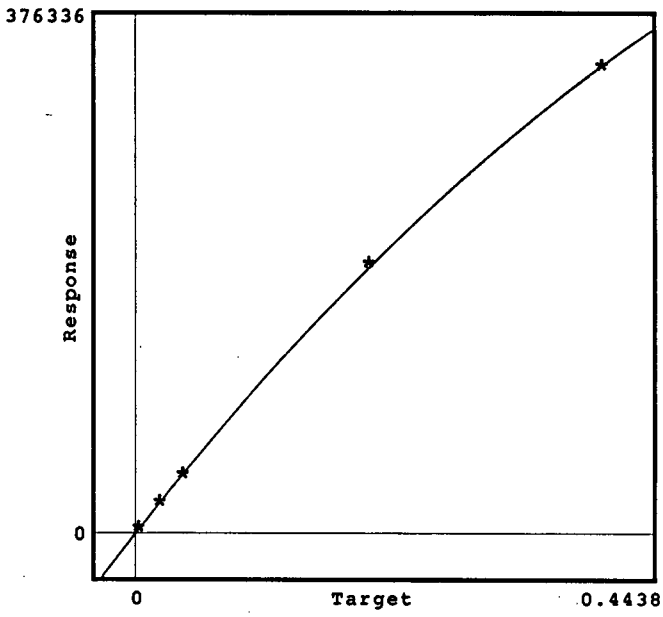
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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DATA CHEM LABORATORIES
A Sorenson Company

FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
12159718223880
Page 3

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

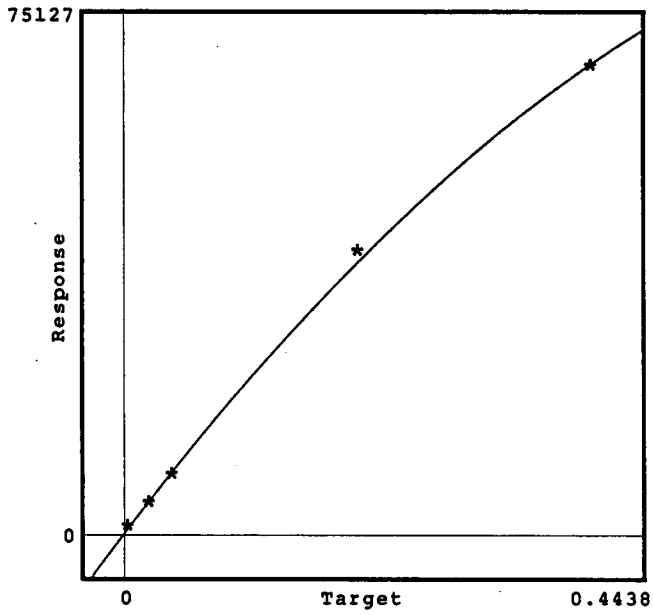
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9988950
Formula.....:
$-128118.0*X^2 + 219459.0*X + 489.4230$

RT Mean.....: 10.104
RT Std Deviation.: 0.005257

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	10.11	0.00200000	1039	927.8300	-10.70	14-NOV-1997 05:05
$1660_0.10	10.11	0.0200000	4496	4827.360	7.37	14-NOV-1997 05:42
$1660_0.20	10.11	0.0400000	8559	9062.810	5.89	14-NOV-1997 06:19
$1660_1.0	10.10	0.200000	40599	39256.50	-3.31	14-NOV-1997 06:56
$1660_2.0	10.10	0.400000	67270	67774.20	0.75	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
A Sorenson Company

FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
12159718223880
Page 4

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

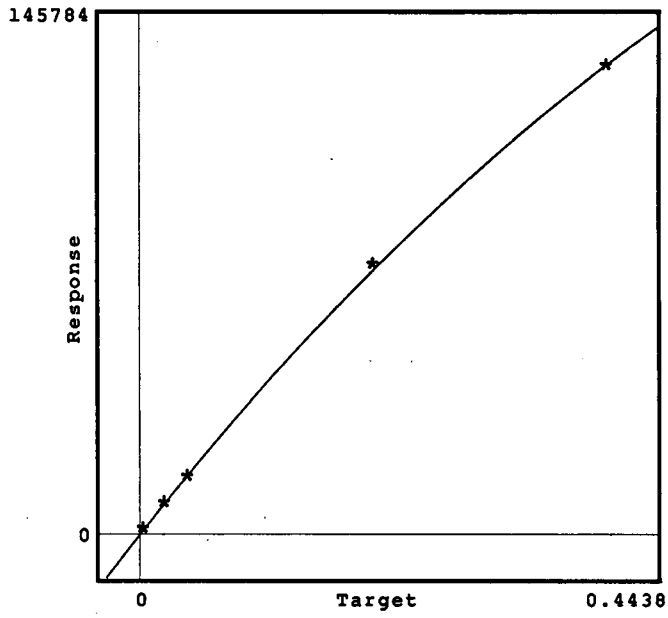
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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DATA CHEM LABORATORIES
A Sorenson Company

FORM L
INITIAL CALIBRATION

Form RLIMS63-V1.0
12159718223880
Page 5

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

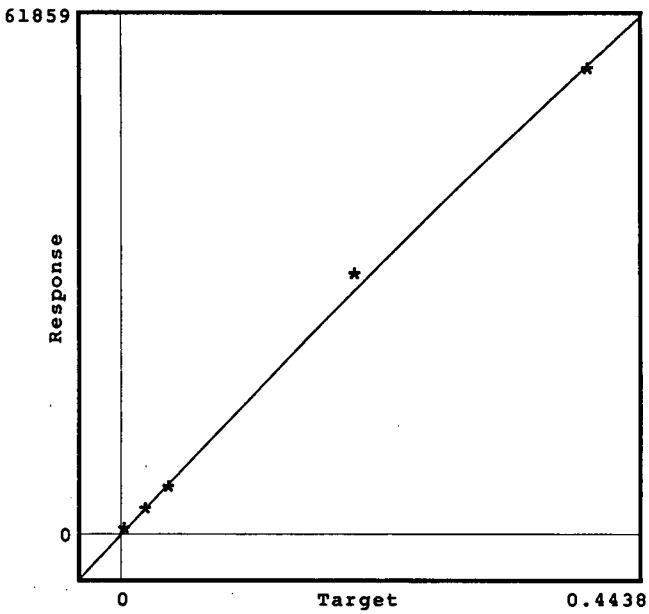
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

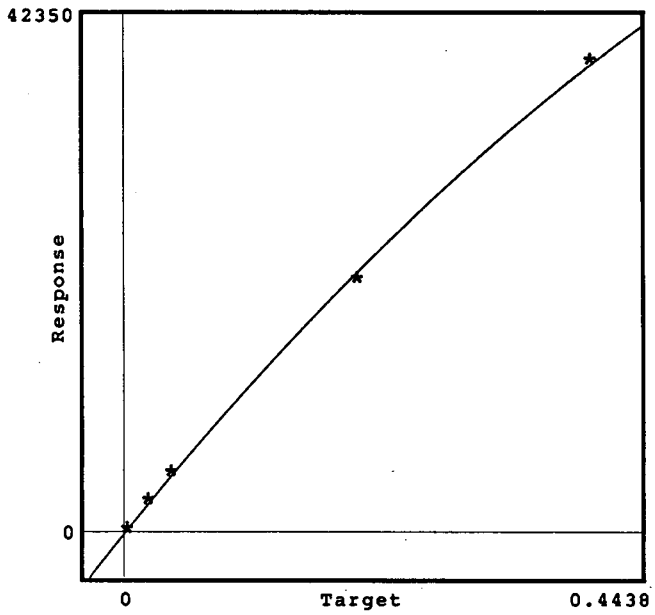
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

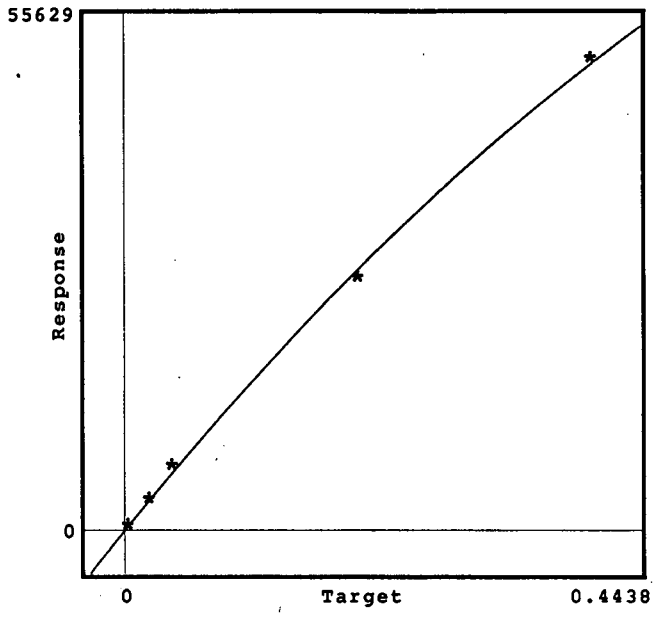
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

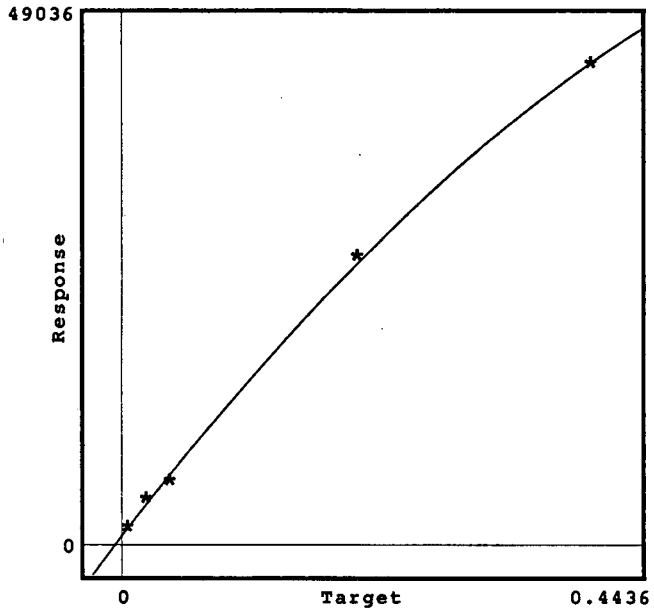
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9978840
Formula.....:
$-82019.00*X^2 + 141140.0*X + 998.3150$

RT Mean.....: 16.573
RT Std Deviation.: 0

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	16.58	0.00400000	1559	1561.560	0.16	14-NOV-1997 01:25
$1254_0.10	16.57	0.0200000	4192	3788.310	-9.63	14-NOV-1997 02:02
$1254_0.20	16.58	0.0400000	5856	6512.690	11.21	14-NOV-1997 02:38
$1254_1.0	16.57	0.200000	26533	25945.60	-2.21	14-NOV-1997 03:15
$1254_2.0	16.57	0.400000	44126	44331.30	0.47	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

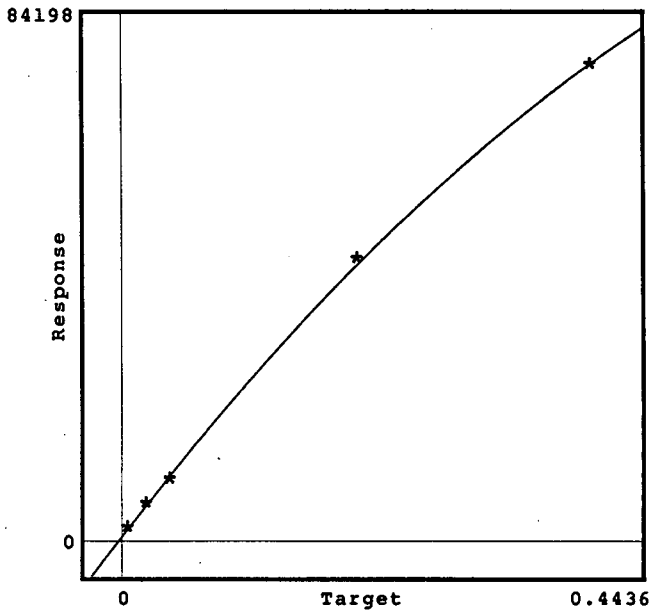
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9992760
Formula.....:
$-129835.0*X^2 + 239785.0*X + 897.6360$

RT Mean.....: 16.806
RT Std Deviation.: 0.005447

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	16.81	0.00400000	1903	1854.700	-2.54	14-NOV-1997 01:25
$1254_0.10	16.80	0.0200000	5837	5641.410	-3.35	14-NOV-1997 02:02
$1254_0.20	16.81	0.0400000	9573	10281.30	7.40	14-NOV-1997 02:38
$1254_1.0	16.81	0.200000	44519	43661.30	-1.93	14-NOV-1997 03:15
$1254_2.0	16.81	0.400000	75723	76038.20	0.42	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

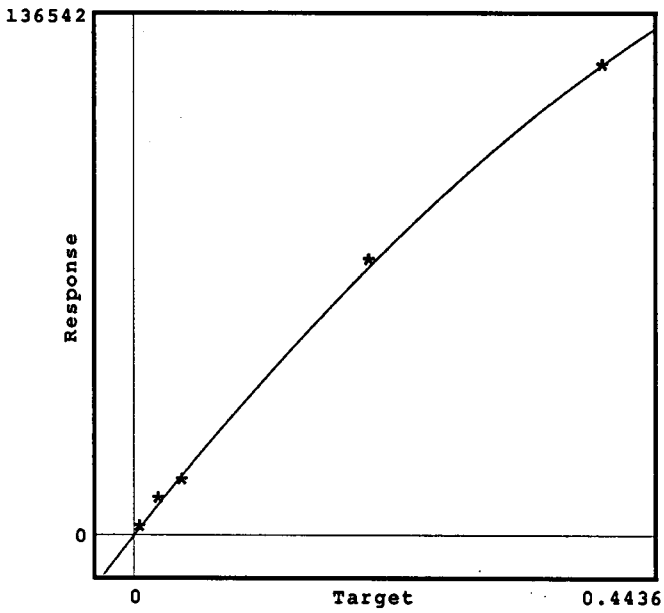
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9982360
Formula.....:
$-210443.0*X^2 + 391549.0*X + 241.6240$

RT Mean.....: 17.673
RT Std Deviation.: 0.004172

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	17.68	0.00400000	1776	1804.450	1.60	14-NOV-1997 01:25
$1254_0.10	17.67	0.0200000	9016	7988.430	-11.40	14-NOV-1997 02:02
$1254_0.20	17.68	0.0400000	13977	15566.90	11.38	14-NOV-1997 02:38
$1254_1.0	17.67	0.200000	71560	70133.70	-1.99	14-NOV-1997 03:15
$1254_2.0	17.67	0.400000	122684	123190.0	0.41	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

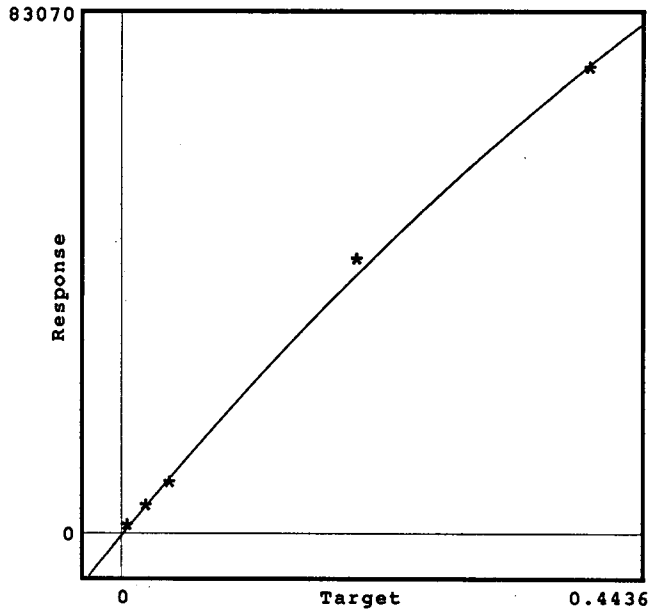
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9975780
Formula.....:
$-96861.60*X^2 + 226290.0*X + -100.5300$

RT Mean.....: 18.237
RT Std Deviation.: 0.003863

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	18.24	0.00400000	944	803.0790	-14.93	14-NOV-1997 01:25
$1254_0.10	18.23	0.0200000	4109	4386.520	6.75	14-NOV-1997 02:02
$1254_0.20	18.24	0.0400000	7847	8796.090	12.09	14-NOV-1997 02:38
$1254_1.0	18.24	0.200000	43477	41283.00	-5.05	14-NOV-1997 03:15
$1254_2.0	18.24	0.400000	74084	74917.60	1.13	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

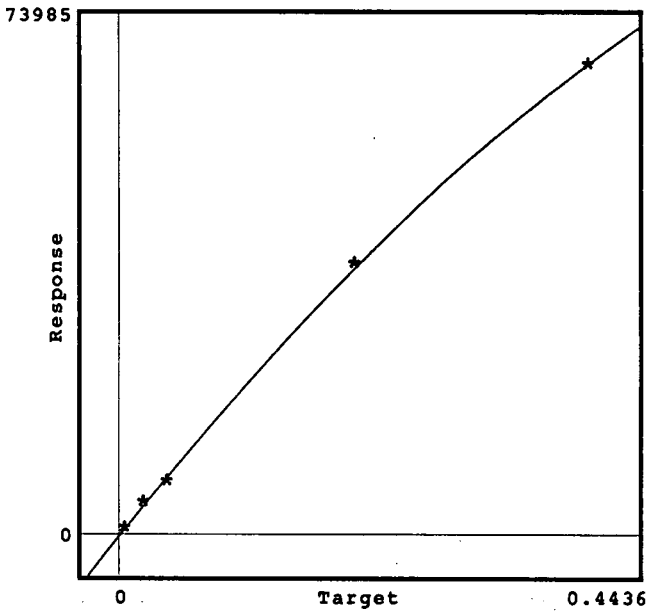
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9990100
Formula.....:
$-107779.0*X^2 + 209992.0*X + -17.35090$

RT Mean.....: 19.212
RT Std Deviation.: 0.004628

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1254_0.02	19.22	0.00400000	812	820.8920	1.10	14-NOV-1997 01:25
$1254_0.10	19.22	0.0200000	4529	4139.370	-8.60	14-NOV-1997 02:02
$1254_0.20	19.21	0.0400000	7550	8209.880	8.74	14-NOV-1997 02:38
$1254_1.0	19.21	0.200000	38265	37669.80	-1.56	14-NOV-1997 03:15
$1254_2.0	19.21	0.400000	66520	66734.70	0.32	14-NOV-1997 03:52

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

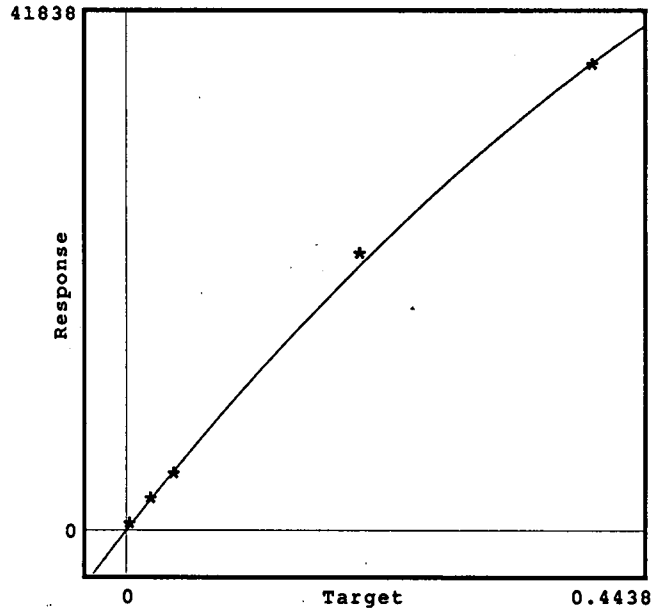
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9988190
Formula.....:
$-61768.10*X^2 + 118769.0*X + 101.2450$

RT Mean.....: 17.471
RT Std Deviation.: 0.006753

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	17.46	0.00200000	373	338.5360	-9.24	14-NOV-1997 05:05
$1660_0.10	17.48	0.0200000	2374	2451.910	3.28	14-NOV-1997 05:42
$1660_0.20	17.48	0.0400000	4371	4753.170	8.74	14-NOV-1997 06:19
$1660_1.0	17.47	0.200000	22180	21384.30	-3.59	14-NOV-1997 06:56
$1660_2.0	17.47	0.400000	37426	37725.90	0.80	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

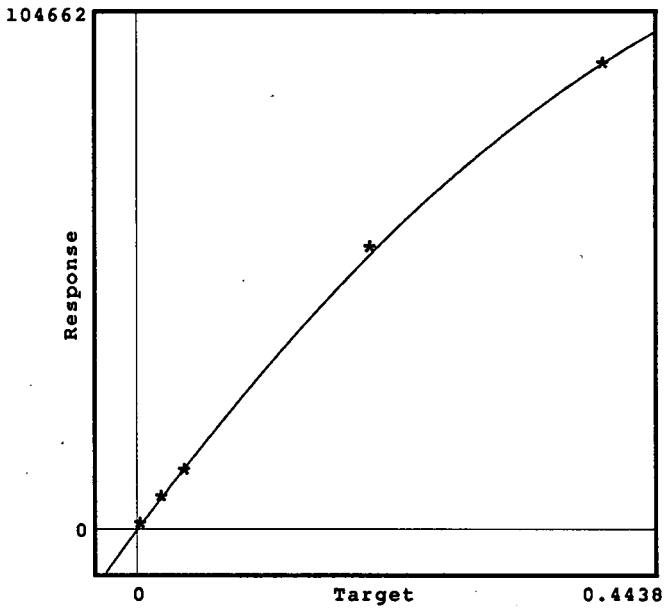
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9996200
Formula.....:
$-203747.0*X^2 + 317014.0*X + 163.6860$

RT Mean.....: 17.868
RT Std Deviation.: 0.002397

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	17.87	0.00200000	832	796.8990	-4.22	14-NOV-1997 05:05
$1660_0.10	17.87	0.0200000	6400	6422.470	0.35	14-NOV-1997 05:42
$1660_0.20	17.87	0.0400000	11882	12518.20	5.35	14-NOV-1997 06:19
$1660_1.0	17.87	0.200000	56496	55416.60	-1.91	14-NOV-1997 06:56
$1660_2.0	17.87	0.400000	93972	94369.80	0.42	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

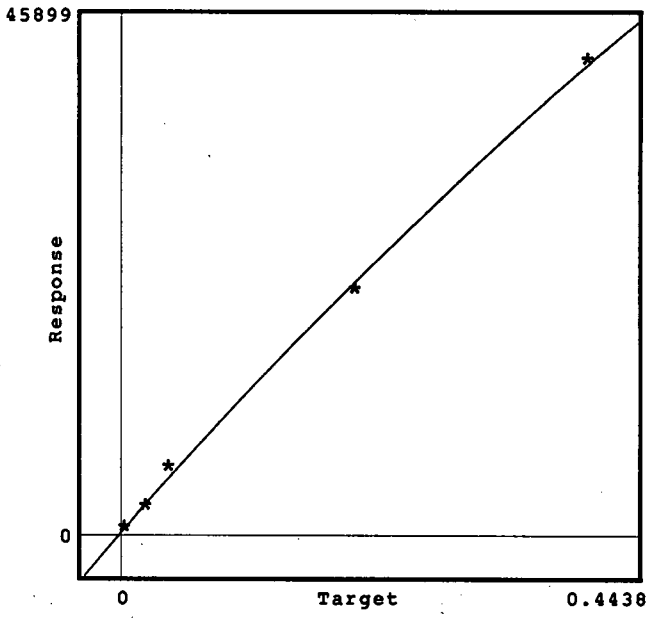
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

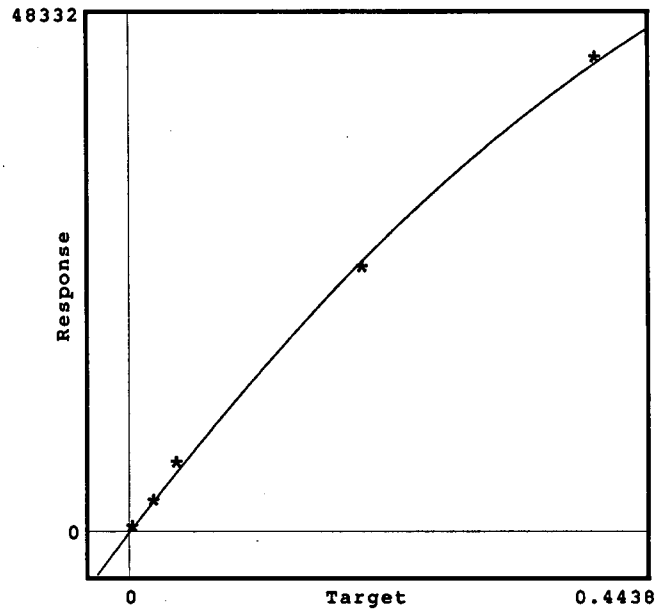
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9982900
Formula.....:
$-81195.20*X^2 + 141415.0*X + -4.937600$

RT Mean.....: 15.341
RT Std Deviation.: 0.004122

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	15.34	0.00200000	264	277.5680	5.14	14-NOV-1997 05:05
$1660_0.10	15.35	0.0200000	2683	2790.890	4.02	14-NOV-1997 05:42
$1660_0.20	15.34	0.0400000	6261	5521.760	-11.81	14-NOV-1997 06:19
$1660_1.0	15.34	0.200000	24211	25030.30	3.38	14-NOV-1997 06:56
$1660_2.0	15.34	0.400000	43894	43569.90	-0.74	14-NOV-1997 07:32

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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

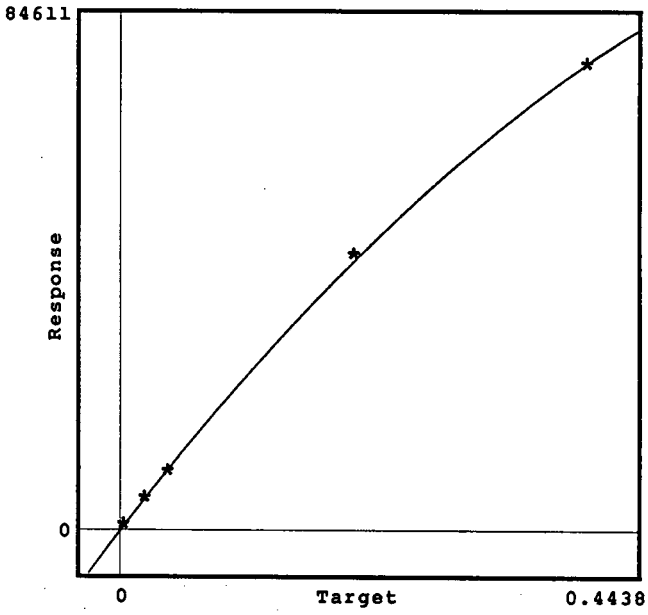
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

Model.....: Quadratic
Coef of Deter(r^2): 0.9996710
Formula.....:
$-148950.0*X^2 + 250015.0*X + 112.9940$

RT Mean.....: 17.198
RT Std Deviation.: 0.002342

Calibration Units: ug/ml



Standard	Retention Time	Target	Response	Estimated Response	Percent Difference	Date Acquired
$1660_0.01	17.20	0.00200000	641	612.4290	-4.46	14-NOV-1997 05:05
$1660_0.10	17.20	0.0200000	5000	5053.720	1.07	14-NOV-1997 05:42
$1660_0.20	17.20	0.0400000	9421	9875.280	4.82	14-NOV-1997 06:19
$1660_1.0	17.20	0.200000	44991	44158.00	-1.85	14-NOV-1997 06:56
$1660_2.0	17.20	0.400000	75974	76287.00	0.41	14-NOV-1997 07:32

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DATA CHEM LABORATORIES
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FORM L
INITIAL CALIBRATION

C97CG000

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

Date Printed.....: 15-DEC-1997 18:22

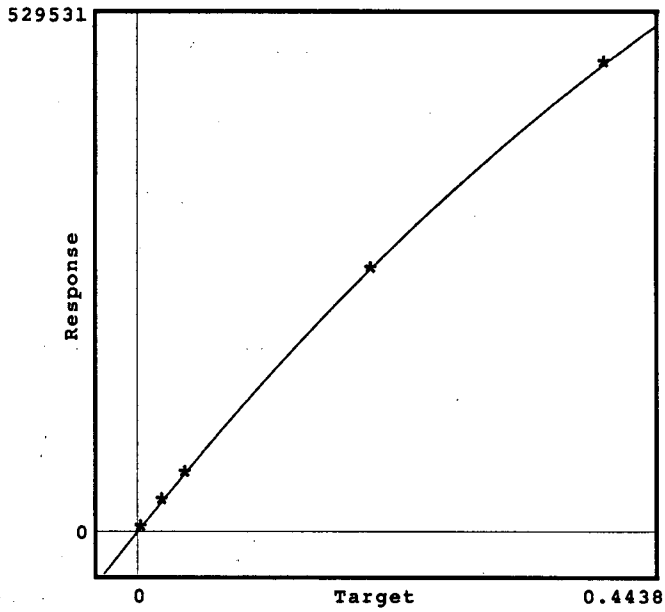
Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

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

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

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

Calibration Units: ug/ml



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

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DATA CHEM LABORATORIES
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FORM N1
INITIAL CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393
Page 1

R97CG000

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

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1254	16.58	16.53	16.63		0.200000	0.149212	-25	25	
PCB 1254	16.81	16.70	16.92		0.200000	0.160396	-20	25	
PCB 1254	17.68	17.63	17.73		0.200000	0.161506	-19	25	
PCB 1254	18.24	18.19	18.29		0.200000	0.224354	12	25	
PCB 1254	19.21	19.16	19.26		0.200000	0.143522	-28	25	*

* Failed acceptance criteria.

0083

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FORM N1
INITIAL CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393

R97CG000

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

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
PCB 1016	10.10	10.05	10.15		0.200000	0.281820	41	25	*
PCB 1016	11.33	11.29	11.39		0.200000	0.236117	18	25	
PCB 1016	11.88	11.84	11.94		0.200000	0.242775	21	25	
PCB 1016	12.49	12.45	12.55		0.200000	0.199997	0	25	
PCB 1016	13.60	13.56	13.66		0.200000	0.206751	3	25	
PCB 1260	15.06	15.02	15.12		0.200000	0.155937	-22	25	
PCB 1260	15.34	15.29	15.39		0.200000	0.148255	-26	25	*
PCB 1260	17.20	17.15	17.25		0.200000	0.199019	0	25	
PCB 1260	17.47	17.43	17.53		0.200000	0.200305	0	25	
PCB 1260	17.87	17.81	17.91		0.200000	0.210578	5	25	

* Failed acceptance criteria.

0084

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393
Page 3

R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 22-NOV-1997 12:04

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.82	6.75	6.85		0.200000	0.170126	-15	15	
PCB 1016	10.11	10.05	10.15		0.200000	0.186772	-7	15	
PCB 1016	11.36	11.29	11.39		0.200000	0.180457	-10	15	
PCB 1016	11.91	11.84	11.94		0.200000	0.197310	-1	15	
PCB 1016	12.51	12.45	12.55		0.200000	0.216905	8	15	
PCB 1016	13.62	13.56	13.66		0.200000	0.199731	0	15	
PCB 1260	15.08	15.02	15.12		0.200000	0.201076	1	15	
PCB 1260	15.36	15.29	15.39		0.200000	0.178494	-11	15	
PCB 1260	17.22	17.15	17.25		0.200000	0.151409	-24	15	*
PCB 1260	17.49	17.43	17.53		0.200000	0.171486	-14	15	
PCB 1260	17.88	17.81	17.91		0.200000	0.160739	-20	15	*
Dibutylchlorendate	22.02	21.96	22.06		0.200000	0.175681	-12	15	

* Failed acceptance criteria.

0085

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393
Page 4

R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 22-NOV-1997 18:48

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.173201	-13	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.184259	-8	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.178408	-11	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.194664	-3	15	
PCB 1016	12.49	12.45	12.55		0.200000	0.221939	11	15	
PCB 1016	13.60	13.56	13.66		0.200000	0.200115	0	15	
PCB 1260	15.06	15.02	15.12		0.200000	0.207580	4	15	
PCB 1260	15.34	15.29	15.39		0.200000	0.180989	-10	15	
PCB 1260	17.20	17.15	17.25		0.200000	0.166090	-17	15	*
PCB 1260	17.47	17.43	17.53		0.200000	0.190551	-5	15	
PCB 1260	17.86	17.81	17.91		0.200000	0.177417	-11	15	
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.191353	-4	15	

* Failed acceptance criteria.

0086

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
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Page 5

R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 23-NOV-1997 01:32

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.169387	-15	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.181744	-9	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.170814	-15	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.184319	-8	15	
PCB 1016	12.49	12.45	12.55		0.200000	0.213735	7	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.189040	-5	15	
PCB 1260	15.06	15.02	15.12		0.200000	0.203762	2	15	
PCB 1260	15.34	15.29	15.39		0.200000	0.179001	-10	15	
PCB 1260	17.20	17.15	17.25		0.200000	0.161656	-19	15	*
PCB 1260	17.47	17.43	17.53		0.200000	0.188778	-6	15	
PCB 1260	17.86	17.81	17.91		0.200000	0.177327	-11	15	
Dibutylchlorendate	21.99	21.96	22.06		0.200000	0.200050	0	15	

* Failed acceptance criteria.

0087

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
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R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 23-NOV-1997 08:16

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.179204	-10	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.193819	-3	15	
PCB 1016	11.34	11.29	11.39		0.200000	0.175762	-12	15	
PCB 1016	11.89	11.84	11.94		0.200000	0.183812	-8	15	
PCB 1016	12.49	12.45	12.55		0.200000	0.189411	-5	15	
PCB 1016	13.60	13.56	13.66		0.200000	0.174004	-13	15	
PCB 1260	15.06	15.02	15.12		0.200000	0.166350	-17	15	*
PCB 1260	15.34	15.29	15.39		0.200000	0.144091	-28	15	*
PCB 1260	17.20	17.15	17.25		0.200000	0.139291	-30	15	*
PCB 1260	17.47	17.43	17.53		0.200000	0.152300	-24	15	*
PCB 1260	17.86	17.81	17.91		0.200000	0.145171	-27	15	*
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.179029	-10	15	

* Failed acceptance criteria.

0088

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393

R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 23-NOV-1997 14:59

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.174148	-13	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.184567	-8	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.171797	-14	15	
PCB 1016	11.90	11.84	11.94		0.200000	0.181472	-9	15	
PCB 1016	12.49	12.45	12.55		0.200000	0.193282	-3	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.173592	-13	15	
PCB 1260	15.07	15.02	15.12		0.200000	0.163664	-18	15	*
PCB 1260	15.35	15.29	15.39		0.200000	0.142627	-29	15	*
PCB 1260	17.20	17.15	17.25		0.200000	0.138510	-31	15	*
PCB 1260	17.47	17.43	17.53		0.200000	0.151170	-24	15	*
PCB 1260	17.87	17.81	17.91		0.200000	0.140946	-30	15	*
Dibutylchlorendate	22.00	21.96	22.06		0.200000	0.169189	-15	15	

* Failed acceptance criteria.

0089

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FORM N2
CONTINUING CALIBRATION VERIFICATION

R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 23-NOV-1997 21:07

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.174020	-13	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.188324	-6	15	
PCB 1016	11.34	11.29	11.39		0.200000	0.181600	-9	15	
PCB 1016	11.89	11.84	11.94		0.200000	0.198781	-1	15	
PCB 1016	12.49	12.45	12.55		0.200000	0.228018	14	15	
PCB 1016	13.60	13.56	13.66		0.200000	0.206590	3	15	
PCB 1260	15.06	15.02	15.12		0.200000	0.213978	7	15	
PCB 1260	15.34	15.29	15.39		0.200000	0.190065	-5	15	
PCB 1260	17.20	17.15	17.25		0.200000	0.155281	-22	15	*
PCB 1260	17.47	17.43	17.53		0.200000	0.179603	-10	15	
PCB 1260	17.86	17.81	17.91		0.200000	0.164536	-18	15	*
Dibutylchlorendate	21.99	21.96	22.06		0.200000	0.183875	-8	15	

* Failed acceptance criteria.

0090

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FORM N2
CONTINUING CALIBRATION VERIFICATION

Form RLIMS63-V1.0
12159719063393
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R97CG000

Sample Name.....: CCV_1660_1.0
Acquisition Date.: 24-NOV-1997 03:50

Method.....: 8080A

Init Calib ID....: C97CG000
Init Calib Date..: 14-NOV-1997 01:25

Calibration Units: ug/ml

Date Printed.....: 15-DEC-1997 19:06

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

Not needed

Run ID.....: R97CG000
Run Start Date...: 13-NOV-1997 22:22

Compound	Retent Time	Retention Time Window		RT Flag	Target	Found	% Diff	Limit (± %)	Verf Flag
Tetrachloro-m-xylene	6.81	6.75	6.85		0.200000	0.169878	-15	15	
PCB 1016	10.10	10.05	10.15		0.200000	0.181010	-9	15	
PCB 1016	11.35	11.29	11.39		0.200000	0.163795	-18	15	*
PCB 1016	11.90	11.84	11.94		0.200000	0.172568	-14	15	
PCB 1016	12.50	12.45	12.55		0.200000	0.180676	-10	15	
PCB 1016	13.61	13.56	13.66		0.200000	0.165892	-17	15	*
PCB 1260	15.07	15.02	15.12		0.200000	0.171139	-14	15	
PCB 1260	15.35	15.29	15.39		0.200000	0.146808	-27	15	*
PCB 1260	17.21	17.15	17.25		0.200000	0.130143	-35	15	*
PCB 1260	17.48	17.43	17.53		0.200000	0.145069	-27	15	*
PCB 1260	17.87	17.81	17.91		0.200000	0.135507	-32	15	*
Dibutylchlorendate	22.01	21.96	22.06		0.200000	0.167954	-16	15	*

* Failed acceptance criteria.

0091

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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
- [NA] Copy of numbered Nonconformance/Corrective Action Report (NC/CAR)
- [NA] Copy of Client-Related Problem Report (CPR)

Sample Tracking Documentation
Reviewer Checklist

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

0092

Assembled by: _____ 12/5/97 Reviewed by: _____ 02/16/97
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: G97BC012

Group ID: G97BC012

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142132-1	BL-142132-1		S97BC01V	97C-0435-01	03008
2	QC-142132-1	QC-142132-1		S97BC01W	97C-0435-01	03008
3	97C05169	KKKNS3		S97B70CW	97C-0435-01	03008
4	97C05170	KKKNS2		S97B70CX	97C-0435-01	03008
5	97C05171	KKKSS2		S97B70CY	97C-0435-01	03008
6	97C05172	KKKSED(D)		S97B70CZ	97C-0435-01	03008
7	97C05173	KKKSD1		S97B70D0	97C-0435-01	03008
8	97C05174	KKKND2		S97B70D1	97C-0435-01	03008
9	97C05175	EEEND2		S97B70D2	97C-0435-01	03008
10	97C05176	EEENS1		S97B70D3	97C-0435-01	03008
11	97C05176MS	EEENS1		S97B70D4	97C-0435-01	03008
12	97C05176MSD	EEENS1		S97B70D5	97C-0435-01	03008
13	97C05177	EEENS2		S97B70D6	97C-0435-01	03008
14	97C05178	EEESD1		S97B70D7	97C-0435-01	03008
15	97C05179	EEESS2		S97B70D8	97C-0435-01	03008
16	97C05180	EEESD2		S97B70D9	97C-0435-01	03008
17	97C05181	EEESS1		S97B70DB	97C-0435-01	03008
18	97C05182	EEESED(S)		S97B70DC	97C-0435-01	03008
19	97C05183	EEENS3		S97B70DD	97C-0435-01	03008
20	97C05184	EEEND1		S97B70DF	97C-0435-01	03008
21	97C05185	CCCSED(S)		S97B70DG	97C-0435-01	03008
22	97C05186	CCCNS1		S97B70DH	97C-0435-01	03008
23	97C05187	CCCND1		S97B70DJ	97C-0435-01	03008
24	97C05188	CCCSED(D)		S97B70DK	97C-0435-01	03008

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

DataChem Laboratories
LIMS - Sample Master System
Analysis Group Report

Date: 1-DEC-1997 10:57
User: TAYLORC

RLIMS15-V1.2

Analysis Run Name: G97C000M

Group ID: G97C000M

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142132-1	BL-142132-1		S97BC01V	97C-0435-01	03008
2	QC-142132-1	QC-142132-1		S97BC01W	97C-0435-01	03008
3	97C05169	KKKNS3		S97B70CW	97C-0435-01	03008
4	97C05170	KKKNS2		S97B70CX	97C-0435-01	03008
5	97C05171	KKKSS2		S97B70CY	97C-0435-01	03008
6	97C05172	KKKSED(D)		S97B70CZ	97C-0435-01	03008
7	97C05173	KKKSD1		S97B70D0	97C-0435-01	03008
8	97C05174	KKKND2		S97B70D1	97C-0435-01	03008
9	97C05175	EEEND2		S97B70D2	97C-0435-01	03008
10	97C05176	EEENS1		S97B70D3	97C-0435-01	03008
11	97C05176MS	EEENS1		S97B70D4	97C-0435-01	03008
12	97C05176MSD	EEENS1		S97B70D5	97C-0435-01	03008
13	97C05177	EEENS2		S97B70D6	97C-0435-01	03008
14	97C05178	EEESD1		S97B70D7	97C-0435-01	03008
15	97C05179	EEESS2		S97B70D8	97C-0435-01	03008
16	97C05180	EEESD2		S97B70D9	97C-0435-01	03008
17	97C05181	EEESS1		S97B70DB	97C-0435-01	03008
18	97C05182	EEESED(S)		S97B70DC	97C-0435-01	03008
19	97C05183	EEENS3		S97B70DD	97C-0435-01	03008
20	97C05184	EEEND1		S97B70DF	97C-0435-01	03008
21	97C05185	CCCSED(S)		S97B70DG	97C-0435-01	03008
22	97C05186	CCCNS1		S97B70DH	97C-0435-01	03008
23	97C05187	CCCND1		S97B70DJ	97C-0435-01	03008
24	97C05188	CCCSED(D)		S97B70DK	97C-0435-01	03008

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

DataChem Laboratories
LIMS - Sample Master System
User Group Report

Date: 15-DEC-1997 16:54
User: TAYLORC

RLIMS15-V1.2

User Group Name: G97CG01P

Group ID: G97CG01P

Samples: 33

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142132-1	BL-142132-1		S97BC01V	97C-0435-01	03008
2	QC-142132-1	QC-142132-1		S97BC01W	97C-0435-01	03008
3	97C05169	KKKNS3		S97B70CW	97C-0435-01	03008
4	97C05170	KKKNS2		S97B70CX	97C-0435-01	03008
5	97C05171	KKKSS2		S97B70CY	97C-0435-01	03008
6	97C05172	KKKSED(D)		S97B70CZ	97C-0435-01	03008
7	97C05173	KKKSD1		S97B70D0	97C-0435-01	03008
8	97C05174	KKKND2		S97B70D1	97C-0435-01	03008
9	97C05175	EEEND2		S97B70D2	97C-0435-01	03008
10	97C05176	EEENS1		S97B70D3	97C-0435-01	03008
11	97C05176MS	EEENS1		S97B70D4	97C-0435-01	03008
12	97C05176MSD	EEENS1		S97B70D5	97C-0435-01	03008
13	97C05177	EEENS2		S97B70D6	97C-0435-01	03008
14	97C05178	EEESD1		S97B70D7	97C-0435-01	03008
15	97C05179	EEESS2		S97B70D8	97C-0435-01	03008
16	97C05180	EEESD2		S97B70D9	97C-0435-01	03008
17	97C05181	EEESS1		S97B70DB	97C-0435-01	03008
18	97C05182	EEESED(S)		S97B70DC	97C-0435-01	03008
19	97C05183	EEENS3		S97B70DD	97C-0435-01	03008
20	97C05184	EEEND1		S97B70DF	97C-0435-01	03008
21	97C05185	CCCSED(S)		S97B70DG	97C-0435-01	03008
22	97C05186	CCCNS1		S97B70DH	97C-0435-01	03008
23	97C05187	CCCND1		S97B70DJ	97C-0435-01	03008
24	97C05188	CCCSED(D)		S97B70DK	97C-0435-01	03008
25	BL-142144-1	BL-142144-1		S97BC023	97C-0439-01	03008
26	QC-142144-1	QC-142144-1		S97BC024	97C-0439-01	03008
27	97C05249	AAAANS1		S97B70MW	97C-0439-01	03008
28	97C05249MS	AAAANS1		S97B70MX	97C-0439-01	03008
29	97C05249MSD	AAAANS1		S97B70MY	97C-0439-01	03008
30	97C05250	AAAAND1		S97B70MZ	97C-0439-01	03008
31	BL-142147-1	BL-142147-1		S97B800Q	97C-0439-04	03008
32	QC-142147-1	QC-142147-1		S97B800R	97C-0439-04	03008
33	97C05251	RB2		S97B70N4	97C-0439-04	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-0435 * | **Reporting Group**

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

Comments:

Verified: 11-10-97

Analysis

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	KKKNS3	97C05169			SOIL						X	X	X							1
6-Nov-1997	KKKNS2	97C05170			SOIL						X	X	X							1
6-Nov-1997	KKKSS2	97C05171			SOIL						X	X	X							1
6-Nov-1997	KKKSED(D)	97C05172			SOIL						X	X	X							1
6-Nov-1997	KKKSD1	97C05173			SOIL						X	X	X							1
6-Nov-1997	KKKND2	97C05174			SOIL						X	X	X							1
6-Nov-1997	EEEND2	97C05175			SOIL						X	X	X							1
6-Nov-1997	EEENS1	97C05176			SOIL						X	X	X							1
6-Nov-1997	EEENS1	97C05176MS		MS	SOIL						X									1
6-Nov-1997	EEENS1	97C05176MSD		MSD	SOIL						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 CNT
Kevin Nottenmyer	11-3-97 0015	Walk-in/ Room/ Shelf/ Fridge Kevin Nottenmyer	Storage: EX7

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: PCB | Lab Notebook No.: 194 p 72

Prepared/Analyzed by: Kevin Nottenmyer | Date/Time: 11-13-97 0030

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Kevin Nottenmyer	11-16-97 1230		
	11-16-97 1900	C.R. Newton	Micro Tsano
C.R. Newton	11-17-97 0345		Storage
R-16-1C	11-22-97 1100		2080 Analysis R-72-1

Check box if there is a continuation page ☐

Printed 11/8/1997 14:29

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-0435 * | 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	EEENS2	97C05177			SOIL						X	X	X							1
6-Nov-1997	EEESD1	97C05178			SOIL						X	X	X							1
6-Nov-1997	EEESS2	97C05179			SOIL						X	X	X							1
6-Nov-1997	EEESD2	97C05180			SOIL						X	X	X							1
6-Nov-1997	EEESS1	97C05181			SOIL						X	X	X							1
6-Nov-1997	EEESED(S)	97C05182			SOIL						X	X	X							1
6-Nov-1997	EEENS3	97C05183			SOIL						X	X	X							1
6-Nov-1997	EEEND1	97C05184			SOIL						X	X	X							1
6-Nov-1997	CCCSED(S)	97C05185			SOIL						X	X	X							1
6-Nov-1997	CCCNS1	97C05186			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	11-10-97 1230	R23-1	Labeling/Shelving CN1
R-23-1	11/13/97 0013	Walk-in/Room/Shelf/Fridge Kevin Nottingham	Storage: EX7

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: PCB | Lab Notebook No.: 194 p72

Prepared/Analyzed by: Kevin Nottingham | Date/Time: 11-13-97 0030

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Kevin Nottingham	11-16-97 1230		Filter & Conc
	11-17-97 1900	C.R. Newton	Microtrans
C.R. Newton	11-17-97 0345	R. Hilcern	Storage
R-16-1C	11-22-97 1100		8080 Analysis R-72-1

Check box if there is a continuation page ☐

Printed 11/8/1997 14:29

Form: COFC1.01-SWV2.30

0097

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-0435 * | **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	CCCND1	97C05187			SOIL						X	X	X							1
6-Nov-1997	CCCSED(D)	97C05188			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 Mahad Mohamed	11-10-97 1230	R23-1	Labeling/Shelving CRI
R-23-1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge Kevin Nottemeyer	Storage: EM

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: PCB | Lab Notebook No.: 194 p72

Prepared/Analyzed by: Kevin Nottemeyer | Date/Time: 11-13-97 0030

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Kevin Nottemeyer	11-16-97 1230		Conc. Filter
	11-17-97 1200	C.R. Newton	Micro Trans
C.R. Newton	11-17-97 0345	R. Hoja	
R-16-1C	11-22-97 1100		8020A Analysis R-72-1

Check box if there is a continuation page ☐

Form: COFC1.01-SWV2.30

Printed 11/8/1997 14:29

Sample Work Order

ance: _____

Manager: Scott B. Saulls

oy F. Weston

03008 SDG: CCCND1

Task: P97B5002

eived: 7-Nov-1997

Mailing Report: 26-Nov-1997

Verbal Report: 21-Nov-1997

DCL Root Set ID: 97C-0435 *

DCL Lab. Name: 97C05169–97C05188

Total # Samples: 22

Sample Entry: Michael D McMillan

Section: ZC

Earliest Sampling Date: 6-Nov-1997

Preparation Type:

35 *

9–97C05188

McMillan

Nov-1997

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

date of collection

Matrix
SOIL

nstructions: _____

Manager: Richard W. Wade

0099 100

ctions Receiving Sample Portions: FC, FS

DataChem Laboratories/ 960 West LeVoy Drive / Salt Lake City, Utah 84123

04-SWV2.12 PRINTED 11/8/1997 14:29

/8/1997 14:29

DATA CHEM LABORATORIES
A BOREMEOR COMPANY

Analytical Documentation
Inventory Checklist

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

All other miscellaneous documentation associated with this set (describe)

- [X] % SOLIDS + uncorrected PCB results.

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.

0101

Assembled by: _____ (Signature) 12/16/97 (Date) Reviewed by: _____ (Signature) 12/16/97 (Date)

Rev. 6/95

Date Set Extracted: 11-13-97
Account No.: 3008
DCL Set No.: 97C-0435-01
Group ID/Lot: G97BC012

DATACHEM LABORATORIES EXTRACTION NOTEBOOK

Book No. EXT 194 Page No. 072
Sample Medium: Soil
Extraction Method: 3550/8080

	DCL No.	Field No.	Sample Vol./Wt. (mL/g)	pH Original	pH Adjusted		Spike Sol'n (mL) Surrogate Std.	Spike Sol'n (mL) Matrix		Appearance and Observations	Final Volume (mL)
1	BLK	BL-142132-1	30.0±0.04g				1.0mL	—		Na_2SO_4	10.0mL
2	LCS	QC-142132-1						1.0mL			
3	97C05169	KKKNS3						—			
4	70	NS2						—			
5	71	SS2						—			
6	72	SED(D)						—			
7	73	SD1						—			
8	74	ND2						—			
9	75	EEE ND2						—			
10	76	NS1						—			
11	76MS							1.0mL			
12	76MSD										
13	77	NS2						—			
14	78	SD1						—			
15	79	SS2						—			
16	80	SD2						—			
17	81	SS1						—			
18	82	SED(S)						—			
19	83	NS3						—			
20	84	ND1						—			
21	85	CCC SED(S)						—			
22	86	NS1						—			
23	87	ND1						—			
24	88	SED(D)						—			
25											

Solvents (+Lot #): MeCl2 B&J B0151
Acetone Fisher 967647
Hexane B&J B0207

Sonicator Tuned by: KW Date: 11-12-97
Comments: - Sonication
- Filtered & conc. by: 11-16-97
- Transferred by: CRW 11-16-97

Balance ID: 39110013

Surrogate Std. Ref. No.: 157WS31221	Spiked by: KW		
Matrix Spike No.: 138WS27535	Spiked by: KW		
Matrix Spike No.: —	Spiked by: —		
Extractionist: Kevin Poltenmyer	Date: 11-13-97		
Checker:	Date: 11-16-97	NCR or CPR	

0102

* = Entry Error

TITLE Roy F Weston SDG# CCCND1 Project No. 03008 Book No. 3161

DATA CHEM LABORATORIES

Date: 1-DEC-1997 10:57
User: TAYLORC

Page: 1
RLIMS15-V1.2

Analysis Run Name: G97C000M

Group ID: G97C000M

Samples: 24

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	BL-142132-1	BL-142132-1		S97BC01V	97C-0435-01	03008
2	QC-142132-1	QC-142132-1		S97BC01W	97C-0435-01	03008
3	97C05169	KKKNS3		S97B70CW	97C-0435-01	03008
4	97C05170	KKKNS2		S97B70CX	97C-0435-01	03008
5	97C05171	KKKSS2		S97B70CY	97C-0435-01	03008
6	97C05172	KKKSED(D)		S97B70CZ	97C-0435-01	03008
7	97C05173	KKKSD1		S97B70D0	97C-0435-01	03008
8	97C05174	KKKND2		S97B70D1	97C-0435-01	03008
9	97C05175	EEEND2		S97B70D2	97C-0435-01	03008
10	97C05176	EEENS1		S97B70D3	97C-0435-01	03008
11	97C05176MS	EEENS1		S97B70D4	97C-0435-01	03008
12	97C05176MSD	EEENS1		S97B70D5	97C-0435-01	03008
13	97C05177	EEENS2		S97B70D6	97C-0435-01	03008
14	97C05178	EEESD1		S97B70D7	97C-0435-01	03008
15	97C05179	EEESS2		S97B70D8	97C-0435-01	03008
16	97C05180	EEESD2		S97B70D9	97C-0435-01	03008
17	97C05181	EEESS1		S97B70DB	97C-0435-01	03008
18	97C05182	EEESED(S)		S97B70DC	97C-0435-01	03008
19	97C05183	EEENS3		S97B70DD	97C-0435-01	03008
20	97C05184	EEEND1		S97B70DF	97C-0435-01	03008
21	97C05185	CCCSED(S)		S97B70DG	97C-0435-01	03008
22	97C05186	CCCNS1		S97B70DH	97C-0435-01	03008
23	97C05187	CCCND1		S97B70DJ	97C-0435-01	03008
24	97C05188	CCCSED(D)		S97B70DK	97C-0435-01	03008

RL 12/16/97

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C

DCL Sample Name....: QC-142132-1
Date Printed.....: 16-DEC-97 10:35

DCL Analysis Group: G97C000M
Analysis Method....: OP-SW-8080
Instrument Type....: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analysed	Target	Result	Percent Recovery	QC Limits	QC Flag
PCB 1016	22-NOV-97 13:17	167.	169.	101.	53.1/140.	
PCB 1260	22-NOV-97 13:17	167.	155.	93.1	48.0/151.	

RL 12/16/97

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C

DCL Sample Name....: 97C05176MS
Date Printed.....: 16-DEC-97 10:35

DCL Analysis Group: G97C000M
Analysis Method....: OP-SW-8080
Instrument Type....: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

QC Limit Type.....: Performance

Analytical Results

Analyte	Date Analysed	Sample Result	Spiked Result	Spike Added	Percent Recovery	QC Limits	QC Flag
PCB 1016	22-NOV-97 19:24	7610	6630	167.	-574.	44.0/140.	*
PCB 1260	22-NOV-97 19:24	18000	14400	167.	-2180	48.1/146.	*

897B70D5

DCL Sample Name....: 97C05176MSD

Analytical Results

Analyte	Date Analysed	Duplicate Result	Percent Recovery	Mean	Range	RPD	QC Limits	QC Flag
PCB 1016	22-NOV-97 20:01	6450	-697.	6550	203.	3.1	0.00/15.8	
PCB 1260	22-NOV-97 20:01	15400	-1580	16900	1000	6.7	0.00/45.9	

RL 12/16/97

Client Name.....: Roy F. Weston
Release Number.....: CCCND1

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

DCL Analysis Group: G97C000M
Analysis Method....: OP-SW-8080

DCL Prep Group.....: G97BC012
Preparation Method: 3550C

QC Limit Type.....: Performance

Surrogate Recoveries

Date ID QC Limits	Tetrachloro-m-xylene 38.4/154.				Dibutylchlorendate 37.0/147.						
DCL Sample Number	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q	Analyte Result	Spiked Amount	% Rec.	Q
97C05169	14.7	16.7	88.2									
97C05170	14.1	16.7	84.7									
97C05171	15.4	16.7	92.5									
97C05172	15.5	16.7	93.1									
97C05173	15.2	16.7	91.2									
97C05174	15.7	16.7	94.1									
97C05175	16.5	16.7	98.7		14.2	16.7	85.1					
97C05176	15.4	16.7	92.4									
97C05176MS	14.9	16.7	89.2									
97C05176MSD	15.4	16.7	92.1									
97C05177	15.4	16.7	92.5									
97C05178	16.6	16.7	99.6		13.4	16.7	80.1					
97C05179	16.3	16.7	97.9		13.3	16.7	80.0					
97C05180	16.3	16.7	97.5		13.7	16.7	82.3					
97C05181	14.8	16.7	88.9									
97C05182	15.8	16.7	94.9									
97C05183	13.1	16.7	78.6									
97C05184	15.8	16.7	94.7									
97C05185	16.2	16.7	97.3									
97C05186	15.8	16.7	94.7									
97C05187	15.6	16.7	93.6		12.9	16.7	77.3					
97C05188	16.6	16.7	98.7		13.7	16.7	82.4					
BL-142132-1	16.0	16.7	96.0		15.6	16.7	93.4					
QC-142132-1	14.8	16.7	88.6		16.6	16.7	99.3					

RL 12/16/97

method: 8080A analytes: PCBs dates analyzed: 11/22-23/97
matrix: soil aliquot: 0.030kg extraction method: 3550C
date extracted: 11/13/97

instrument: (GC/ECD-6) HP5890 GC w/ DB-608 column (30m x 0.53 mm id x 0.5 μm) & ECD (Ch 5a)

oven program: 150C x 2min; ramp @ 5C/min to 275C; hold 4 min.

standards: All calibration curves meet method specifications. All ICV recoveries are within ±25%. All CCV recoveries are within ±15% except PCB-1260 recoveries in CCV#4 (-25.2%) & CCV#5 (-26.4%). Low PCB-1260 recoveries follow the undiluted field sample analyses. Low recoveries are attributed to the effect that these analyses had on column & instrument performance.

samples: All tetrachloro-m-xylene surrogate recoveries are within performance control limits. All QC recoveries are in control.

ms/msD results are reported from the 1:100 dilutions. High PCB-1254 results masked the spikes. Spike recoveries are out-of-control. RPD is in control.

dilutions: PCBs reported from 1:100 dilutions for all samples except method blank, QC & field samples 97C05178, 5180 & 5187.

12/16/97

To Page No.

Witnessed & Understood by me, Date 12/16/97

Invented by NOT APPLICABLE Date

Recorded by Date 12/16/97

0103

see facing page of p. 92

dilutions : 1:100 for all except
BL, QC, 97C05178, 80, 87

all TCMX from undiluted.

all DBC results were not
reportable due to interference
except BL, QC, 97C05175, 78, 79,
80, 87, 88.

TITLE DATACHEM LABORATORIES – GC – PESTICIDE ANALYSIS

Project No. 0348

Book No. 3307

DATA CHEM LABORATORIES

From Page No.

analyst: J. Chris Taylor client: Ray F. Weston method: 8081A column: DB-608

sets: 97C-0435-01, 97C-0439-01, 97C-0439-04

DATACHEM LABORATORIES GC-PESTICIDE ANALYSIS

INJECTION LOGBOOK FOR GC ECD-6

Sequence File = DISK:[TAYLORC]5697326.SEQ;3 Data Directory = DISK:[T

Seq#	Rep#	Sample Name / Sample Notes	Data Filename	Acquisition Time
1	1	PRIME	5697326001.RAW;1	13-NOV-1997 22:22:00
2	1	PCB221 2.0 138-WS-27569-1	5697326002.RAW;1	13-NOV-1997 22:58:46
3	1	PCB232 2.0 138-WS-27570-1	5697326003.RAW;1	13-NOV-1997 23:35:29
4	1	PCB242 2.0 138-WS-27571-1	5697326004.RAW;1	14-NOV-1997 00:12:15
5	1	PCB248 2.0 138-WS-27572-1	5697326005.RAW;1	14-NOV-1997 00:49:00
6	1	$1254 0.02 138-WS-27591	5697326006.RAW;1	14-NOV-1997 01:25:46
7	1	$1254 0.10 138-WS-27591	5697326007.RAW;1	14-NOV-1997 02:02:29
8	1	$1254 0.20 138-WS-27591	5697326008.RAW;1	14-NOV-1997 02:38:55
9	1	$1254 1.0 138-WS-27591	5697326009.RAW;1	14-NOV-1997 03:15:38
10	1	$1254 2.0 138-WS-27591	5697326010.RAW;1	14-NOV-1997 03:52:23
11	1	ICV1254 1.0 138-WS-27533	5697326011.RAW;1	14-NOV-1997 04:29:06
12	1	$1660 0.01 138-WS-27588-1	5697326012.RAW;1	14-NOV-1997 05:05:54
13	1	$1660 0.10 138-WS-27590-4	5697326013.RAW;1	14-NOV-1997 05:42:36
14	1	$1660 0.20 138-WS-27590-3	5697326014.RAW;1	14-NOV-1997 06:19:23
15	1	$1660 1.0 138-WS-27590-2	5697326015.RAW;1	14-NOV-1997 06:56:05
16	1	$1660 2.0 138-WS-27590-1	5697326016.RAW;1	14-NOV-1997 07:32:51
17	1	ICV 1660 1.0 138-WS-27589-1	5697327017.RAW;1	14-NOV-1997 08:09:34
18	1	CCV 1660 1.0 138-WS-27590	5697327018.RAW;1	22-NOV-1997 12:04:04
17	1	BL-142132-1 97C-0435-01	5697326017.RAW;2	22-NOV-1997 12:40:47
18	1	QC-142132-1 97C-0435-01	5697326018.RAW;1	22-NOV-1997 13:17:32
19	1	97C05169 X100 97C-0435-01	5697326019.RAW;1	22-NOV-1997 13:54:15
20	1	97C05170 X100 97C-0435-01	5697326020.RAW;1	22-NOV-1997 14:31:02
21	1	97C05171 X100 97C-0435-01	5697326021.RAW;1	22-NOV-1997 15:07:44
22	1	97C05172 X100 97C-0435-01	5697326022.RAW;1	22-NOV-1997 15:44:31
23	1	97C05173 X100 97C-0435-01	5697326023.RAW;1	22-NOV-1997 16:21:13
24	1	97C05174 X100 97C-0435-01	5697326024.RAW;1	22-NOV-1997 16:58:01
25	1	97C05175 X100 97C-0435-01	5697326025.RAW;1	22-NOV-1997 17:34:42
26	1	97C05176 X100 97C-0435-01	5697326026.RAW;1	22-NOV-1997 18:11:30
27	1	CCV_1660_1.0 138-WS-27590	5697326027.RAW;1	22-NOV-1997 18:48:13
28	1	97C05176MS X100 97C-0435-01	5697326028.RAW;1	22-NOV-1997 19:24:59
29	1	97C05176MSD X100 97C-0435-01	5697326029.RAW;1	22-NOV-1997 20:01:42
30	1	97C05177 X100 97C-0435-01	5697326030.RAW;1	22-NOV-1997 20:38:27
31	1	97C05178 X100 97C-0435-01	5697326031.RAW;1	22-NOV-1997 21:15:10
32	1	97C05179 X100 97C-0435-01	5697326032.RAW;1	22-NOV-1997 21:51:51
33	1	97C05180 X100 97C-0435-01	5697326033.RAW;1	22-NOV-1997 22:28:34
34	1	97C05181 X100 97C-0435-01	5697326034.RAW;1	22-NOV-1997 23:05:19
35	1	97C05182 X100 97C-0435-01	5697326035.RAW;1	22-NOV-1997 23:42:02
36	1	97C05183 X100 97C-0435-01	5697326036.RAW;1	23-NOV-1997 00:18:48
37	1	97C05184 X100 97C-0435-01	5697326037.RAW;1	23-NOV-1997 00:55:32
38	1	CCV_1660_1.0 138-WS-27590	5697326038.RAW;1	23-NOV-1997 01:32:19
39	1	97C05185 X100 97C-0435-01	5697326039.RAW;1	23-NOV-1997 02:09:03
40	1	97C05186 X100 97C-0435-01	5697326040.RAW;1	23-NOV-1997 02:45:49
41	1	97C05187 X100 97C-0435-01	5697326041.RAW;1	23-NOV-1997 03:22:29
42	1	97C05188 X100 97C-0435-01	5697326042.RAW;1	23-NOV-1997 03:59:14
43	1	97C05169 97C-0435-01	5697326043.RAW;1	23-NOV-1997 04:35:37
44	1	97C05170 97C-0435-01	5697326044.RAW;1	23-NOV-1997 05:12:20
45	1	97C05171 97C-0435-01	5697326045.RAW;1	23-NOV-1997 05:49:05
46	1	97C05172 97C-0435-02	5697326046.RAW;1	23-NOV-1997 06:25:47
47	1	97C05173 97C-0435-01	5697326047.RAW;1	23-NOV-1997 07:02:32
48	1	97C05174 97C-0435-01	5697326048.RAW;1	23-NOV-1997 07:39:19
49	1	CCV_1660_1.0 138-WS-27590	5697326049.RAW;1	23-NOV-1997 08:16:05
50	1	97C05175 97C-0435-01	5697326050.RAW;1	23-NOV-1997 08:52:52
51	1	97C05176 97C-0435-01	5697326051.RAW;1	23-NOV-1997 09:29:31
52	1	97C05176MS 97C-0435-01	5697326052.RAW;1	23-NOV-1997 10:06:14
53	1	97C05176MSD 97C-0435-01	5697326053.RAW;1	23-NOV-1997 10:42:54
54	1	97C05177 97C-0435-01	5697326054.RAW;1	23-NOV-1997 11:19:36
55	1	97C05178 97C-0435-01	5697326055.RAW;1	23-NOV-1997 11:56:21
56	1	97C05179 97C-0435-01	5697326056.RAW;1	23-NOV-1997 12:33:12
57	1	97C05180 97C-0435-01	5697326057.RAW;1	23-NOV-1997 13:09:56
58	1	97C05181 97C-0435-01	5697326058.RAW;1	23-NOV-1997 13:46:23
59	1	97C05182 97C-0435-01	5697326059.RAW;1	23-NOV-1997 14:23:09
60	1	CCV_1660_1.0 138-WS-27590	5697326060.RAW;1	23-NOV-1997 14:59:55
61	1	97C05183 97C-0435-01	5697326061.RAW;1	23-NOV-1997 15:36:46
62	1	97C05184 97C-0435-01	5697326062.RAW;1	23-NOV-1997 16:13:33
63	1	97C05185 97C-0435-01	5697326063.RAW;1	23-NOV-1997 16:50:17
64	1	97C05186 97C-0435-01	5697326064.RAW;1	23-NOV-1997 17:27:04
65	1	97C05187 97C-0435-01	5697326065.RAW;1	23-NOV-1997 18:03:49
66	1	97C05188 97C-0435-01	5697326066.RAW;1	23-NOV-1997 18:40:15
67	1	BL-142147-1 97C-0439-04	5697326067.RAW;1	23-NOV-1997 19:17:01
68	1	QC-142147-1 97C-0439-04	5697326068.RAW;1	23-NOV-1997 19:53:48
69	1	97C05251 97C-0439-04	5697326069.RAW;1	23-NOV-1997 20:30:30
70	1	CCV_1660_1.0 138-WS-27590	5697326070.RAW;1	23-NOV-1997 21:07:17
71	1	BL-142144-1 97C-0439-01	5697326071.RAW;1	23-NOV-1997 21:44:00
72	1	QC-142144-1 97C-0439-01	5697326072.RAW;1	23-NOV-1997 22:20:47
73	1	97C05249 X100 97C-0439-01	5697326073.RAW;1	23-NOV-1997 22:57:08
74	1	97C05249MS X100 97C-0439-01	5697326074.RAW;1	23-NOV-1997 23:33:54
75	1	97C05249MSD X100 97C-0439-01	5697326075.RAW;1	24-NOV-1997 00:10:37
76	1	97C05250 X100 97C-0439-01	5697326076.RAW;1	24-NOV-1997 00:47:24
77	1	97C05249 97C-0439-01	5697326077.RAW;1	24-NOV-1997 01:24:10
78	1	97C05249MS 97C-0439-01	5697326078.RAW;1	24-NOV-1997 02:00:56
79	1	97C05249MSD 97C-0439-01	5697326079.RAW;1	24-NOV-1997 02:37:42
80	1	97C05250 97C-0439-01	5697326080.RAW;1	24-NOV-1997 03:14:06
81	1	CCV_1660_1.0 138-WS-27590	5697326081.RAW;1	24-NOV-1997 03:50:54

TL 12/15/97

To Page No.

Witnessed & Understood by me,	Date	Invented by NOT APPLICABLE	Date	
James Cox	8/16/97	Recorded by	12/15/97	0105

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
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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: Stacie 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	36CS07127	↓	0.2	↓	MIX 20
3.	DCB	36CS7126	↓	0.2	↓	20
4.	PCB 1221	36IS7181	100	1	10	10
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SLS 9/15/97

EXPIRATION DATE 3/15/98

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

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

Checked By: Vicki Tsai Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 123

36 cs 07123 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: PCB 1221

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00508 g

TARE WEIGHT 0 g

NET WEIGHT 0.00508 g

NET WEIGHT CORRECTED FOR PURITY 5.08 mg

Purity Correction —

Solvent toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 5.08 mL

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

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor:

Comments:

0108

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 7182	100	0.2	10	2.0
2.				0.1		1.0
3.		36IS7182	10	0.2		0.20
4.				0.1		0.10
5.				0.02		0.02
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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: Vicki Tai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1016, 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~~ 5 SS 9/16/97	~~5~~ SS 9/16/97	1000
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9/16/97

EXPIRATION DATE 3/10/98

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

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

Checked By: Vicki Tsai Supervisor:

Comments:

0113

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.

0114

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 SS 9/16/97	~~1.0~~ SS 9/16/97	~~5~~ SS 9/16/97	1000
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SS 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:

0115

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 $C_{12}H_6Cl_2$ & $C_{12}H_7Cl_3$

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. 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:

0118

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
6.						
7.						
8.						
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10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

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: Yi Tsai Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 183

36 IS 7183 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1242

Solvent Hexane Vendor B&J Grade Pest. Lot BL891

	Compound	Stock Std or Parent Solution ID No.	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1242	36CS07125	1000	1	10	100
2.	TCMX	36CS 7127	↓	0.2	↓	Mix 20
3.	DCB	36CS 7127	↓	0.2	↓	20
4.	PCB ~~1440~~ 1242 SS 9/16/97	36IS 7183	100	1	10	10
5.						
6.						
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10.						
11.						
12.						
13.						
14.						
15.						
16.						
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18.						
19.						
20.						

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:

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.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.	9/17/97					
16.						
17.	GS					
18.						
19.						
20.						

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:

0124

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
5.						
6.						
7.						
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10.						
11.						
12.		9/16/97				
13.		SS				
14.						
15.						
16.						
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18.						
19.						
20.						

EXPIRATION DATE 3/16/98

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

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

Checked By: Vicki Tsai Supervisor:

Comments:

0125

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
4.						
5.						
6.						
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9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

SS 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:

0126

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 $C_{12}H_6Cl_4$, $C_{12}H_5Cl_5$, & $C_{12}H_7Cl_3$

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.

0127

Produced by:

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

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor:

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 cs 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 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.	↓	36IS7180	10	0.5	↓	0.2
4.	↓	↓	↓	0.25	↓	0.1
5.	↓	↓	↓	0.05	↓	0.02
6.						
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13.						
14.						
15.						
16.						
17.						
18.	SS 10/21/97					
19.						
20.						

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: [signature] 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
5.						
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12.			9/15/97			
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20.						

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:

0131

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:

0132

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:

0134

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.						
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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: [signature] Date of Preparation: 7-2-97

Checked By: [signature] 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

0136

* 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 10·21·97

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

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

Checked By: Supervisor:

Comments:

0137

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 Baxter 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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7.						
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10.						
11.						
12.						
13.						
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16.						
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19.						
20.						

9/15/97

EXPIRATION DATE 3/15/98

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

Solution Prepared By: Vicky Tai Date of Preparation: 9/15/97

Checked By: Steve Smith Supervisor:

Comments:

Certificate of Analysis

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

CAS Number: 11096-82-5
Molecular Wt.: 377.6
Molecular Formula: Mixture of congeners, primarily $C_{12}H_6Cl_4$, $C_{12}H_4Cl_6$, $C_{12}H_3Cl_7$ & $C_{12}H_2Cl_8$

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.

0139

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: [illegible]

Comments:

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 cs 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 188

138WS 27588 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1660 0.02

Solvent Hex Vendor B&J Grade BEST Lot B0207

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

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

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

Checked By: Supervisor:

Comments:

0142

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 167

138WS27567 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 1066

Solvent Hexane Vendor B & J Grade pest Lot BL891

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1066	36257179	10	.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~~ 36CS-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: Vicky Tai Date of Preparation: 9/15/97

Checked By: Stevi Smith Supervisor:

Comments:

STANDARD SOLUTIONS OF INTERMEDIATE CONCENTRATION

STANDARD PREPARATION LOGBOOK NO. 36 IS

Page No. 172

36 IS 7172 DCL INTERMEDIATE STANDARD SOLUTION IDENTIFICATION NUMBER

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

Solvent toluene Vendor B&J Grade Pesticide Lot B0165

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

EXPIRATION DATE 3/10/98

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

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

Checked By: Vicki Tsai Supervisor:

Comments:

0145

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.

0146

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
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 $C_{12}H_4Cl_6$, $C_{12}H_5Cl_5$, $C_{12}H_6Cl_4$, & $C_{12}H_7Cl_3$

NSI STANDARD SOLUTION

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

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

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

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

STORAGE & HANDLING

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

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

0147

Produced by:

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

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 127

36 CS 07127 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: TCMX

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value - 0.1 - g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00493 g

TARE WEIGHT 0 g

NET WEIGHT 0.00493 g

NET WEIGHT CORRECTED FOR PURITY 4.93 mg

Purity Correction —

Solvent Toluene Vendor B&J Grade Pesticide Lot B0165

Dilution Volume 4.93 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor: _____

Comments: _____

CONCENTRATED STOCK STANDARDS

STANDARD PREPARATION LOGBOOK NO. 36 CS

Page No. 126

36 cs 07126 DCL CONCENTRATED STOCK SOLUTION IDENTIFICATION NUMBER

COMPOUND: DCB

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

DCL Analytical Balance Identification: 106677

NIST Reference Weight Target Value 0.1 g

NIST Reference Weight Measured Using Balance Identified Above 0.1 g

Difference 0 g

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

FINAL GROSS WEIGHT 0.00853 g

TARE WEIGHT 0 g

NET WEIGHT 0.00853 g

NET WEIGHT CORRECTED FOR PURITY 8.53 mg

Purity Correction 8.45 mg

Solvent toluene Vendor B+J Grade Pesticide Lot B0165

Dilution Volume 8.45 mL

FINAL CONCENTRATION 1000 µg/mL

EXPIRATION DATE 9/10/98

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

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

Weight Verified By: [illegible] Supervisor:

Comments:

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 189

138WS 27589 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB ICV 1016/1260

Solvent Hexane Vendor B&J Grade Pest Lot B0207

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016	ULTRA L0076	100	0.1	10	1.0
2.	PCB 1260	ULTRA L0051	100	0.1	10	1.0
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10-18-97

EXPIRATION DATE 4-18-98

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

Solution Prepared By: [illegible] Date of Preparation: 10-18-97

Checked By: [illegible] Supervisor:

Comments:

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

0151

ULTRA SCIENTIFIC
ISO 9001 Registered
250 Smith Street, North Kingstown, RI 02852 • 401 294 9400 • 800 338 1754

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

0152

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

ULTRA SCIENTIFIC
ISO 9001 Registered
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WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO157WS

Page No. 021

157WS31221 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: 8080 Surrogate

Solvent acetone Vendor Fisher Grade Pest Lot 967647

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	CL10BP NSI	1084-06-02	200	1.25	500	0.5
2.	CL4XYL	1180-04-01	200	1.25	500	
3.	DBUCLE NSI	198-08-01	200	~~1.75~~ 11/13/97	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:

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.

0154

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.

0155

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.

0256

Produced by:

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

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138 WS

Page No. 135

138 WS 27535 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: PCB 8080 MS

Solvent Acetone Vendor Fisher Grade UV Lot 965882

	Compound	Intermediate Standard or Parent Solution	Concentration of Parent Solution µg/mL	Volume of Aliquot mL	Final Total Volume mL	FINAL CONCENTRATION µg/mL
1.	PCB 1016/1260	NSZ Q-10770	5,000	0.5	500	5.0
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7-3-97

EXPIRATION DATE 1-3-98

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

Solution Prepared By: [illegible] Date of Preparation: 7-3-97

Checked By: [illegible] Supervisor:

Comments:

0157

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

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO157WS

Page No. 005

157WS31205 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: 8080 Surrogate Spike

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.	TCMX	NSI 1180-04-01	200	1.25	500	0.5
2.	DBC	NSI 798-08-01	↓	↓	↓	↓
3.	DCB	NSI 1084-06-03				
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EXPIRATION DATE 4-30-98

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

Solution Prepared By: [illegible] Date of Preparation: 10-31-97

Checked By: _____ Supervisor: _____

Comments: _____

WORKING STANDARDS

STANDARD PREPARATION LOGBOOK NO. 138WS

Page No. 174

138WS 27574 DCL WORKING STANDARD SOLUTION IDENTIFICATION NUMBER

DESCRIPTIVE IDENTIFICATION: 8080 Surrogate Spike

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.	TCMX	NSI 1180-04-01	200	1.75	700	0.5
2.	DBC	NSI 798-08-01	↓	↓	↓	↓
3.	DCB	NSI 1084-06-02	↓	↓	↓	↓
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EXPIRATION DATE 3-30-98

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

Solution Prepared By: [illegible] Date of Preparation: 9-30-97

Checked By: Vicki Tsai Supervisor:

Comments:

Certificate of Analysis

Compound Name: 2,4,5,6-Tetrachloro-m-xylene
Lot Number: W-1180-04-01
Expiration Date: 7/98

CAS Number: 877-09-8
Molecular Wt.: 244.0
Molecular Formula: $C_8H_6Cl_4$

NSI STANDARD SOLUTION

ANALYTE	GRAVIMETRIC CONCENTRATION	CHROMATOGRAPHIC PURITY	SOLVENT
2,4,5,6-Tetrachloro-m-xylene	200 ug/mL	97.3 %	Acetone (FLAMMABLE, IRRITANT)

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

NSI Environmental Solution's Method of Analysis: GC/FID DB-608 Column

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

STORAGE & HANDLING

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

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

Produced by:

NSI Environmental Solutions
PO Box 12313, Research Triangle Park, NC 27709
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.

0162

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.

0163

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
12159717070765

Date _____
Laboratory Group Name 97C-0435-03
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) %								
KKKNS3	97C05169	SOIL	66.8								
KKKNS3	97C05169MD	SOIL	66.5								
KKKNS2	97C05170	SOIL	62.2								
KKKSS2	97C05171	SOIL	75.8								
KKKSED(D)	97C05172	SOIL	71.5								
KKKSD1	97C05173	SOIL	61.0								
KKKND2	97C05174	SOIL	79.2								
EEEND2	97C05175	SOIL	88.0								
EEENS1	97C05176	SOIL	73.2								
EEENS2	97C05177	SOIL	66.0								
EEESD1	97C05178	SOIL	92.2								
EEESS2	97C05179	SOIL	79.8								
EEESD2	97C05180	SOIL	90.3								

† 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

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DATA CHEM LABORATORIES
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ANALYTICAL REPORT

Form ARF-BL
Page 2 of 2
Part 1 of 1
12159717070765

Date _____
Laboratory Group Name 97C-0435-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %							
EEESS1	97C05181	SOIL	71.0							
EEESED(S)	97C05182	SOIL	77.6							
EEENS3	97C05183	SOIL	76.2							
EEEND1	97C05184	SOIL	75.6							
CCCSED(S)	97C05185	SOIL	80.2							
CCCNS1	97C05186	SOIL	66.0							
CCCND1	97C05187	SOIL	89.9							
CCCSED(D)	97C05188	SOIL	81.5							
CCCSED(D)	97C05188MD	SOIL	80.2							
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
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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97BC01V

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: CCCND1

Date Received.....: Not Applicable

Client Sample Name: **BL-142132-1**
DCL Sample Name...: **BL-142132-1**
DCL Report Group..: **97C-0435-01**

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 12:40	2.95	ND			1.00	6.67
Aroclor 1221	22-NOV-97 12:40	20.9	ND			1.00	33.3
Aroclor 1232	22-NOV-97 12:40	3.68	ND			1.00	6.67
Aroclor 1242	22-NOV-97 12:40	2.53	ND			1.00	6.67
Aroclor 1248	22-NOV-97 12:40	2.30	ND			1.00	6.67
Aroclor 1254	22-NOV-97 12:40	1.54	ND			1.00	6.67
Aroclor 1260	22-NOV-97 12:40	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.00		
Dibutylchlorendate	15.56		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 4

S97BC01W

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Applicable
Release Number.....: CCCND1

Date Received.....: Not Applicable

Client Sample Name: QC-142132-1
DCL Sample Name...: QC-142132-1
DCL Report Group..: 97C-0435-01

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

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 13:17	2.95	168.2			1.00	6.67
Aroclor 1260	22-NOV-97 13:17	1.47	155.2			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.76		
Dibutylchlorendate	16.55		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 5

S97B70CW

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **KKKN83**
DCL Sample Name...: **97C05169**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 10:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 13:54	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 13:54	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 13:54	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 13:54	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 13:54	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 13:54	1.54	5183			100.	6.67
Aroclor 1260	22-NOV-97 13:54	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.70		
Dibutylchlorendate	14.70		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 6

S97B70CX

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: KKENS2
DCL Sample Name...: 97C05170
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:45
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 14:31	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 14:31	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 14:31	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 14:31	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 14:31	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 14:31	1.54	5042			100.	6.67
Aroclor 1260	22-NOV-97 14:31	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.11		
Dibutylchlorendate	14.11		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
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S97B70CY

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: KKKSS2
DCL Sample Name...: 97C05171
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:50
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 15:07	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 15:07	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 15:07	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 15:07	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 15:07	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 15:07	1.54	13130			100.	6.67
Aroclor 1260	22-NOV-97 15:07	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.41		
Dibutylchlorendate	15.41		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 8

S97B70CZ

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: KKKSED(D)
DCL Sample Name...: 97C05172
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:45
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 15:44	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 15:44	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 15:44	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 15:44	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 15:44	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 15:44	1.54	4175			100.	6.67
Aroclor 1260	22-NOV-97 15:44	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.52		
Dibutylchlorendate	15.52		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
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S97B70D0

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: KKKSD1
DCL Sample Name...: 97C05173
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:46
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 16:21	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 16:21	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 16:21	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 16:21	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 16:21	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 16:21	1.54	26170			100.	6.67
Aroclor 1260	22-NOV-97 16:21	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.22		
Dibutylchlorendate	15.22		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604

S97B70D1

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: KKKND2
DCL Sample Name...: 97C05174
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 09:53
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 16:58	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 16:58	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 16:58	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 16:58	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 16:58	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 16:58	1.54	4611			100.	6.67
Aroclor 1260	22-NOV-97 16:58	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.68		
Dibutylchlorendate	15.68		

NOTE: This data is from the LIMS not the QC database.

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FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
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S97B70D2

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **EEEND2**
DCL Sample Name...: **97C05175**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:23
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 17:34	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 17:34	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 17:34	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 17:34	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 17:34	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 17:34	1.54	1127			100.	6.67
Aroclor 1260	22-NOV-97 17:34	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.45		
Dibutylchlorendate	14.18		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 12

S97B70D3

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEENS1
DCL Sample Name...: 97C05176
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 18:11	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 18:11	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 18:11	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 18:11	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 18:11	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 18:11	1.54	11740			100.	6.67
Aroclor 1260	22-NOV-97 18:11	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.40		
Dibutylchlorendate	15.40		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D4

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEENS1
DCL Sample Name...: 97C05176MS
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 19:24	2.95	6650			100.	6.67
Aroclor 1260	22-NOV-97 19:24	1.47	14360			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.87		
Dibutylchlorendate	14.87		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

S97B70D5

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEENS1
DCL Sample Name...: 97C05176MSD
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 20:01	2.95	6445			100.	6.67
Aroclor 1260	22-NOV-97 20:01	1.47	15360			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.35		
Dibutylchlorendate	15.35		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 15

S97B70D6

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **EEENS2**
DCL Sample Name...: **97C05177**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:24
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 20:38	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 20:38	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 20:38	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 20:38	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 20:38	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 20:38	1.54	11880			100.	6.67
Aroclor 1260	22-NOV-97 20:38	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.41		
Dibutylchlorendate	15.41		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

Form RLIMS63A-V1.3
12169710234604
Page 16

S97B70D7

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEESD1
DCL Sample Name...: 97C05178
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 11:56	2.95	ND			1.00	6.67
Aroclor 1221	23-NOV-97 11:56	20.9	ND			1.00	33.3
Aroclor 1232	23-NOV-97 11:56	3.68	ND			1.00	6.67
Aroclor 1242	23-NOV-97 11:56	2.53	ND			1.00	6.67
Aroclor 1248	23-NOV-97 11:56	2.30	ND			1.00	6.67
Aroclor 1254	23-NOV-97 11:56	1.54	9.03			1.00	6.67
Aroclor 1260	23-NOV-97 11:56	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.60		
Dibutylchlorendate	13.35		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70D8

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEESS2
DCL Sample Name...: 97C05179
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:27
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 21:51	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 21:51	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 21:51	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 21:51	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 21:51	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 21:51	1.54	124.9			100.	6.67
Aroclor 1260	22-NOV-97 21:51	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.31		
Dibutylchlorendate	13.33		

NOTE: This data is from the LIMS not the QC database.

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

SAMPLE ANALYSIS DATA SHEET

S97B70D9

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **EEESD2**
DCL Sample Name...: **97C05180**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:24
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 13:09	2.95	ND			1.00	6.67
Aroclor 1221	23-NOV-97 13:09	20.9	ND			1.00	33.3
Aroclor 1232	23-NOV-97 13:09	3.68	ND			1.00	6.67
Aroclor 1242	23-NOV-97 13:09	2.53	ND			1.00	6.67
Aroclor 1248	23-NOV-97 13:09	2.30	ND			1.00	6.67
Aroclor 1254	23-NOV-97 13:09	1.54	17.93			1.00	6.67
Aroclor 1260	23-NOV-97 13:09	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.25		
Dibutylchlorendate	13.72		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DB

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEESS1
DCL Sample Name...: 97C05181
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:25
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 23:05	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 23:05	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 23:05	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 23:05	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 23:05	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 23:05	1.54	14750			100.	6.67
Aroclor 1260	22-NOV-97 23:05	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	14.82		
Dibutylchlorendate	14.82		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DC

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEESED(S)
DCL Sample Name...: 97C05182
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:20
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	22-NOV-97 23:42	2.95	ND			100.	6.67
Aroclor 1221	22-NOV-97 23:42	20.9	ND			100.	33.3
Aroclor 1232	22-NOV-97 23:42	3.68	ND			100.	6.67
Aroclor 1242	22-NOV-97 23:42	2.53	ND			100.	6.67
Aroclor 1248	22-NOV-97 23:42	2.30	ND			100.	6.67
Aroclor 1254	22-NOV-97 23:42	1.54	5427			100.	6.67
Aroclor 1260	22-NOV-97 23:42	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.82		
Dibutylchlorendate	15.82		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DD

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: EEEN83
DCL Sample Name...: 97C05183
DCL Report Group..: 97C-0435-01

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 00:18	2.95	ND			100.	6.67
Aroclor 1221	23-NOV-97 00:18	20.9	ND			100.	33.3
Aroclor 1232	23-NOV-97 00:18	3.68	ND			100.	6.67
Aroclor 1242	23-NOV-97 00:18	2.53	ND			100.	6.67
Aroclor 1248	23-NOV-97 00:18	2.30	ND			100.	6.67
Aroclor 1254	23-NOV-97 00:18	1.54	11350			100.	6.67
Aroclor 1260	23-NOV-97 00:18	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	13.10		
Dibutylchlorendate	13.10		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DF

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **EEEND1**
DCL Sample Name...: **97C05184**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:30
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 00:55	2.95	ND			100.	6.67
Aroclor 1221	23-NOV-97 00:55	20.9	ND			100.	33.3
Aroclor 1232	23-NOV-97 00:55	3.68	ND			100.	6.67
Aroclor 1242	23-NOV-97 00:55	2.53	ND			100.	6.67
Aroclor 1248	23-NOV-97 00:55	2.30	ND			100.	6.67
Aroclor 1254	23-NOV-97 00:55	1.54	18990			100.	6.67
Aroclor 1260	23-NOV-97 00:55	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.79		
Dibutylchlorendate	15.79		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DG

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **CCCSED(S)**
DCL Sample Name...: **97C05185**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 11:55
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 02:09	2.95	ND			100.	6.67
Aroclor 1221	23-NOV-97 02:09	20.9	ND			100.	33.3
Aroclor 1232	23-NOV-97 02:09	3.68	ND			100.	6.67
Aroclor 1242	23-NOV-97 02:09	2.53	ND			100.	6.67
Aroclor 1248	23-NOV-97 02:09	2.30	ND			100.	6.67
Aroclor 1254	23-NOV-97 02:09	1.54	2666			100.	6.67
Aroclor 1260	23-NOV-97 02:09	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.21		
Dibutylchlorendate	16.21		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DH

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **CCCNS1**
DCL Sample Name...: **97C05186**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:10
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 02:45	2.95	ND			100.	6.67
Aroclor 1221	23-NOV-97 02:45	20.9	ND			100.	33.3
Aroclor 1232	23-NOV-97 02:45	3.68	ND			100.	6.67
Aroclor 1242	23-NOV-97 02:45	2.53	ND			100.	6.67
Aroclor 1248	23-NOV-97 02:45	2.30	ND			100.	6.67
Aroclor 1254	23-NOV-97 02:45	1.54	5328			100.	6.67
Aroclor 1260	23-NOV-97 02:45	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.79		
Dibutylchlorendate	15.79		

NOTE: This data is from the LIMS not the QC database.

960 West LeVoy Drive / Salt Lake City, Utah 84123-2547
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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DJ

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **CCCND1**
DCL Sample Name...: **97C05187**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:15
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 18:03	2.95	ND			1.00	6.67
Aroclor 1221	23-NOV-97 18:03	20.9	ND			1.00	33.3
Aroclor 1232	23-NOV-97 18:03	3.68	ND			1.00	6.67
Aroclor 1242	23-NOV-97 18:03	2.53	ND			1.00	6.67
Aroclor 1248	23-NOV-97 18:03	2.30	ND			1.00	6.67
Aroclor 1254	23-NOV-97 18:03	1.54	28.20			1.00	6.67
Aroclor 1260	23-NOV-97 18:03	1.47	ND			1.00	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	15.60		
Dibutylchlorendate	12.89		

NOTE: This data is from the LIMS not the QC database.

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DATA CHEM LABORATORIES
A Sorenson Company

FORM A (TYPE I)
SINGLE METHOD ANALYSES

SAMPLE ANALYSIS DATA SHEET

S97B70DK

Date Printed.....: 16-DEC-97 10:23

Client Name.....: Roy F. Weston
Client Ref Number....: Not Provided
Sampling Site.....: Not Provided
Release Number.....: CCCND1

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

Client Sample Name: **CCCSED(D)**
DCL Sample Name...: **97C05188**
DCL Report Group..: **97C-0435-01**

Matrix.....: SOIL
Date Sampled.....: 06-NOV-97 12:00
Reporting Units...: µg/Kg
Report Basis.....: ☒ As Received ☐ Dried

DCL Preparation Group: G97BC012
Date Prepared.....: 13-NOV-97 00:00
Preparation Method...: 3550C
Aliquot Weight/Volume: 0.030 Kg
Net Weight/Volume....: 0.030

DCL Analysis Group: G97C000M
Analysis Method...: 8080A
Instrument Type...: GC/ECD
Instrument ID.....: GC/ECD-6
Column Type.....: DB-608
☒ Primary
☐ Confirmation

Analytical Results

Analyte	Date Analyzed	MDL	Result	Comment	Qual.	Dilution	CRDL
Aroclor 1016	23-NOV-97 03:59	2.95	ND			100.	6.67
Aroclor 1221	23-NOV-97 03:59	20.9	ND			100.	33.3
Aroclor 1232	23-NOV-97 03:59	3.68	ND			100.	6.67
Aroclor 1242	23-NOV-97 03:59	2.53	ND			100.	6.67
Aroclor 1248	23-NOV-97 03:59	2.30	ND			100.	6.67
Aroclor 1254	23-NOV-97 03:59	1.54	1608			100.	6.67
Aroclor 1260	23-NOV-97 03:59	1.47	ND			100.	6.67

Surrogate Recoveries

Analyte	Result	Spiked Amount	Percent Recovery
Tetrachloro-m-xylene	16.61		
Dibutylchlorendate	13.74		

NOTE: This data is from the LIMS not the QC database.

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Raw Data
Environmental Organic Analysis
Table of Contents
(Rev. 1: 3/95 GLH)

- [NA] DUMMY: Raw data is contained with set _____
- [X] Section 1. Sequencing Order
- [X] Section 2. Quantitation Data
- [X] Section 3. Calibration Data (Primary Column)
- [X] Section 4. Extract Data (Primary Column)
- [NA] Section 5. Confirmation Column Data
- [NA] Other (describe) _____

The following signatures verify that the raw data and all inventory and reviewer checklists in each raw data section (all green sheets) are complete and accurate.

Assembled by: _____ 12/16/97 Reviewed by: _____ 12/16/97
Signature Date Signature Date

Section 1. Environmental Organic Analysis
(Rev. 1: 3/95)
Sequencing Order
Inventory Checklist

USAEC Protocol including UH20, LH17, etc. (Excluding PST1-WA/SO and HBG1-WA/SO)

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation (if not accommodated by calibration standards)
4. Calibration Standards (or continuing calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
8. Continuing Calibration
   - a. Are: aliquots of the high calibration standards
   - b. Frequency: after every analytical lot
   - c. Criteria: ⅔ of the analytes ±25% and RIW

PST1-WA/SO Protocol

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation - PEM
4. Calibration Standards (or Continuing Calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
8. Continuing Calibration
   - a. Are: a solvent blank and alternating PEM with aliquots of the A and BMIX calibration standards
   - b. Frequency: every 12 hours
   - c. Criteria: ⅔ of the analytes ±25% and RIW

HGB1-WA/SO Protocol

1. Prime (optional)
2. Solvent blank (optional)
3. Calibration Standards (or Continuing Calibration)
4. Initial Calibration Verification (ICV)
5. Solvent blank (Optional)
6. Extracts
   - a. Method Blank
   - b. QC extracts
   - c. Field sample extracts (including MS/MSD where applicable)
   - d. remaining QC extracts
7. Continuing Calibration
   - a. Are: aliquots of mid-range calibration standards
   - b. Frequency: every 12 hours
   - c. Criteria: ⅔ of the analytes ±25% and RIW

SW-846 Protocol including 8080, 8150, etc.

1. Prime (optional)
2. Solvent blank (optional)
3. Breakdown evaluation (if not accommodated by calibration standards)
4. Calibration Standards (or continuing calibration)
5. Initial Calibration Verification (ICV)
6. Solvent blank (optional)
7. Extracts
   - a. Method Blank
   - b. LCS(s)
   - c. Field sample extracts (including MS/MSD(s))
8. Continuing Calibration
   - a. Are: aliquots of the mid-range calibration standards
   - b. Frequency: a minimum of every 10 extracts
   - c. Criteria: ±15% and RIW

Section 1. Sequencing Order
Reviewer Checklist

0191

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]5697326.SEQ;3
Date: 15-DEC-1997 16:42:48.34

Spl	Sample Name	Inj	Method File	Calib RT	Calib CF	Data File
1	PRIME	1	5697326_8080P			5697326001
2	PCB221_2.0	1	5697326_8080P			5697326002
3	PCB232_2.0	1	5697326_8080P			5697326003
4	PCB242_2.0	1	5697326_8080P			5697326004
5	PCB248_2.0	1	5697326_8080P			5697326005
6	$1254_0.02	1	5697326_8080P	I	R	5697326006
7	$1254_0.10	1	5697326_8080P	I	R	5697326007
8	$1254_0.20	1	5697326_8080P	I	R	5697326008
9	$1254_1.0	1	5697326_8080P	I	R	5697326009
10	$1254_2.0	1	5697326_8080P	I	R	5697326010
11	ICV1254_1.0	1	5697326_8080P			5697326011
12	$1660_0.01	1	5697326_8080P	I	R	5697326012
13	$1660_0.10	1	5697326_8080P	I	R	5697326013
14	$1660_0.20	1	5697326_8080P	I	R	5697326014
15	$1660_1.0	1	5697326_8080P	I	R	5697326015
16	$1660_2.0	1	5697326_8080P	I	R	5697326016
17	ICV_1660_1.0	1	5697326_8080P			5697327017
18	CCV_1660_1.0	1	5697326_8080P			5697327018
19	BL-142132-1	1	5697326_8080P			5697326017
20	QC-142132-1	1	5697326_8080P			5697326018
21	97C05169 X100	1	5697326_8080P			5697326019
22	97C05170 X100	1	5697326_8080P			5697326020
23	97C05171 X100	1	5697326_8080P			5697326021
24	97C05172 X100	1	5697326_8080P			5697326022
25	97C05173 X100	1	5697326_8080P			5697326023
26	97C05174 X100	1	5697326_8080P			5697326024
27	97C05175 X100	1	5697326_8080P			5697326025
28	97C05176 X100	1	5697326_8080P			5697326026
29	CCV_1660_1.0	1	5697326_8080P			5697326027
30	97C05176MS X100	1	5697326_8080P			5697326028
31	97C05176MSD X100	1	5697326_8080P			5697326029
32	97C05177 X100	1	5697326_8080P			5697326030
33	97C05178 X100	1	5697326_8080P			5697326031
34	97C05179 X100	1	5697326_8080P			5697326032
35	97C05180 X100	1	5697326_8080P			5697326033
36	97C05181 X100	1	5697326_8080P			5697326034
37	97C05182 X100	1	5697326_8080P			5697326035
38	97C05183 X100	1	5697326_8080P			5697326036
39	97C05184 X100	1	5697326_8080P			5697326037
40	CCV_1660_1.0	1	5697326_8080P			5697326038
41	97C05185 X100	1	5697326_8080P			5697326039
42	97C05186 X100	1	5697326_8080P			5697326040
43	97C05187 X100	1	5697326_8080P			5697326041
44	97C05188 X100	1	5697326_8080P			5697326042
45	97C05169	1	5697326_8080P			5697326043
46	97C05170	1	5697326_8080P			5697326044
47	97C05171	1	5697326_8080P			5697326045
48	97C05172	1	5697326_8080P			5697326046
49	97C05173	1	5697326_8080P			5697326047
50	97C05174	1	5697326_8080P			5697326048
51	CCV_1660_1.0	1	5697326_8080P			5697326049
52	97C05175	1	5697326_8080P			5697326050
53	97C05176	1	5697326_8080P			5697326051
54	97C05176MS	1	5697326_8080P			5697326052
55	97C05176MSD	1	5697326_8080P			5697326053
56	97C05177	1	5697326_8080P			5697326054
57	97C05178	1	5697326_8080P			5697326055
58	97C05179	1	5697326_8080P			5697326056

59	97C05180	1	5697326_8080P	5697326057
60	97C05181	1	5697326_8080P	5697326058
61	97C05182	1	5697326_8080P	5697326059
62	CCV_1660_1.0	1	5697326_8080P	5697326060
63	97C05183	1	5697326_8080P	5697326061
64	97C05184	1	5697326_8080P	5697326062
65	97C05185	1	5697326_8080P	5697326063
66	97C05186	1	5697326_8080P	5697326064
67	97C05187	1	5697326_8080P	5697326065
68	97C05188	1	5697326_8080P	5697326066
69	BL-142147-1	1	5697326_8080P	5697326067
70	QC-142147-1	1	5697326_8080P	5697326068
71	97C05251	1	5697326_8080P	5697326069
72	CCV_1660_1.0	1	5697326_8080P	5697326070
73	BL-142144-1	1	5697326_8080P	5697326071
74	QC-142144-1	1	5697326_8080P	5697326072
75	97C05249 X100	1	5697326_8080P	5697326073
76	97C05249MS X100	1	5697326_8080P	5697326074
77	97C05249MSD X100	1	5697326_8080P	5697326075
78	97C05250 X100	1	5697326_8080P	5697326076
79	97C05249	1	5697326_8080P	5697326077
80	97C05249MS	1	5697326_8080P	5697326078
81	97C05249MSD	1	5697326_8080P	5697326079
82	97C05250	1	5697326_8080P	5697326080
83	CCV_1660_1.0	1	5697326_8080P	5697326081

Reports: Delayed
Calibration mode: 2. Calibrate standards before analyzing unknowns.

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697326.SEQ;3 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
1	1	PRIME	5697326001.RAW;1	13-NOV-1997 22:22:00
2	1	PCB221_2.0 138-WS-27569-1	5697326002.RAW;1	13-NOV-1997 22:58:46
3	1	PCB232_2.0 138-WS-27570-1	5697326003.RAW;1	13-NOV-1997 23:35:29
4	1	PCB242_2.0 138-WS-27571-1	5697326004.RAW;1	14-NOV-1997 00:12:15
5	1	PCB248_2.0 138-WS-27572-1	5697326005.RAW;1	14-NOV-1997 00:49:00
6	1	$1254_0.02 138-WS-27591	5697326006.RAW;1	14-NOV-1997 01:25:46
7	1	$1254_0.10 138-WS-27591	5697326007.RAW;1	14-NOV-1997 02:02:29
8	1	$1254_0.20 138-WS-27591	5697326008.RAW;1	14-NOV-1997 02:38:55
9	1	$1254_1.0 138-WS-27591	5697326009.RAW;1	14-NOV-1997 03:15:38
10	1	$1254_2.0 138-WS-27591	5697326010.RAW;1	14-NOV-1997 03:52:23
11	1	ICV1254_1.0 138-WS-27533	5697326011.RAW;1	14-NOV-1997 04:29:06
12	1	$1660_0.01 138-WS-27588-1	5697326012.RAW;1	14-NOV-1997 05:05:54
13	1	$1660_0.10 138-WS-27590-4	5697326013.RAW;1	14-NOV-1997 05:42:36
14	1	$1660_0.20 138-WS-27590-3	5697326014.RAW;1	14-NOV-1997 06:19:23
15	1	$1660_1.0 138-WS-27590-2	5697326015.RAW;1	14-NOV-1997 06:56:05
16	1	$1660_2.0 138-WS-27590-1	5697326016.RAW;1	14-NOV-1997 07:32:51
17	1	ICV_1660_1.0 138-WS-27589-1	5697327017.RAW;1	14-NOV-1997 08:09:34
18	1	CCV_1660_1.0 138-WS-27590	5697327018.RAW;1	22-NOV-1997 12:04:04
17	1	BL-142132-1 97C-0435-01	5697326017.RAW;2	22-NOV-1997 12:40:47
18	1	QC-142132-1 97C-0435-01	5697326018.RAW;1	22-NOV-1997 13:17:32
19	1	97C05169 X100 97C-0435-01	5697326019.RAW;1	22-NOV-1997 13:54:15
20	1	97C05170 X100 97C-0435-01	5697326020.RAW;1	22-NOV-1997 14:31:02
21	1	97C05171 X100 97C-0435-01	5697326021.RAW;1	22-NOV-1997 15:07:44
22	1	97C05172 X100 97C-0435-01	5697326022.RAW;1	22-NOV-1997 15:44:31

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697326.SEQ;3 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
23	1	97C05173 X100 97C-0435-01	5697326023.RAW;1	22-NOV-1997 16:21:13
24	1	97C05174 X100 97C-0435-01	5697326024.RAW;1	22-NOV-1997 16:58:01
25	1	97C05175 X100 97C-0435-01	5697326025.RAW;1	22-NOV-1997 17:34:42
26	1	97C05176 X100 97C-0435-01	5697326026.RAW;1	22-NOV-1997 18:11:30
27	1	CCV_1660_1.0 138-WS-27590	5697326027.RAW;1	22-NOV-1997 18:48:13
28	1	97C05176MS X100 97C-0435-01	5697326028.RAW;1	22-NOV-1997 19:24:59
29	1	97C05176MSD X100 97C-0435-01	5697326029.RAW;1	22-NOV-1997 20:01:42
30	1	97C05177 X100 97C-0435-01	5697326030.RAW;1	22-NOV-1997 20:38:27
31	1	97C05178 X100 97C-0435-01	5697326031.RAW;1	22-NOV-1997 21:15:10
32	1	97C05179 X100 97C-0435-01	5697326032.RAW;1	22-NOV-1997 21:51:51
33	1	97C05180 X100 97C-0435-01	5697326033.RAW;1	22-NOV-1997 22:28:34
34	1	97C05181 X100 97C-0435-01	5697326034.RAW;1	22-NOV-1997 23:05:19
35	1	97C05182 X100 97C-0435-01	5697326035.RAW;1	22-NOV-1997 23:42:02
36	1	97C05183 X100 97C-0435-01	5697326036.RAW;1	23-NOV-1997 00:18:48
37	1	97C05184 X100 97C-0435-01	5697326037.RAW;1	23-NOV-1997 00:55:32
38	1	CCV_1660_1.0 138-WS-27590	5697326038.RAW;1	23-NOV-1997 01:32:19
39	1	97C05185 X100 97C-0435-01	5697326039.RAW;1	23-NOV-1997 02:09:03
40	1	97C05186 X100 97C-0435-01	5697326040.RAW;1	23-NOV-1997 02:45:49
41	1	97C05187 X100 97C-0435-01	5697326041.RAW;1	23-NOV-1997 03:22:29
42	1	97C05188 X100 97C-0435-01	5697326042.RAW;1	23-NOV-1997 03:59:14
43	1	97C05169 97C-0435-01	5697326043.RAW;1	23-NOV-1997 04:35:37
44	1	97C05170 97C-0435-01	5697326044.RAW;1	23-NOV-1997 05:12:20
45	1	97C05171 97C-0435-01	5697326045.RAW;1	23-NOV-1997 05:49:05
46	1	97C05172 97C-0435-01	5697326046.RAW;1	23-NOV-1997 06:25:47

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697326.SEQ;3 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
47	1	97C05173 97C-0435-01	5697326047.RAW;1	23-NOV-1997 07:02:32
48	1	97C05174 97C-0435-01	5697326048.RAW;1	23-NOV-1997 07:39:19
49	1	CCV_1660_1.0 138-WS-27590	5697326049.RAW;1	23-NOV-1997 08:16:05
50	1	97C05175 97C-0435-01	5697326050.RAW;1	23-NOV-1997 08:52:52
51	1	97C05176 97C-0435-01	5697326051.RAW;1	23-NOV-1997 09:29:31
52	1	97C05176MS 97C-0435-01	5697326052.RAW;1	23-NOV-1997 10:06:14
53	1	97C05176MSD 97C-0435-01	5697326053.RAW;1	23-NOV-1997 10:42:54
54	1	97C05177 97C-0435-01	5697326054.RAW;1	23-NOV-1997 11:19:36
55	1	97C05178 97C-0435-01	5697326055.RAW;1	23-NOV-1997 11:56:21
56	1	97C05179 97C-0435-01	5697326056.RAW;1	23-NOV-1997 12:33:12
57	1	97C05180 97C-0435-01	5697326057.RAW;1	23-NOV-1997 13:09:56
58	1	97C05181 97C-0435-01	5697326058.RAW;1	23-NOV-1997 13:46:23
59	1	97C05182 97C-0435-01	5697326059.RAW;1	23-NOV-1997 14:23:09
60	1	CCV_1660_1.0 138-WS-27590	5697326060.RAW;1	23-NOV-1997 14:59:55
61	1	97C05183 97C-0435-01	5697326061.RAW;1	23-NOV-1997 15:36:46
62	1	97C05184 97C-0435-01	5697326062.RAW;1	23-NOV-1997 16:13:33
63	1	97C05185 97C-0435-01	5697326063.RAW;1	23-NOV-1997 16:50:17
64	1	97C05186 97C-0435-01	5697326064.RAW;1	23-NOV-1997 17:27:04
65	1	97C05187 97C-0435-01	5697326065.RAW;1	23-NOV-1997 18:03:49
66	1	97C05188 97C-0435-01	5697326066.RAW;1	23-NOV-1997 18:40:15
67	1	BL-142147-1 97C-0439-04	5697326067.RAW;1	23-NOV-1997 19:17:01
68	1	QC-142147-1 97C-0439-04	5697326068.RAW;1	23-NOV-1997 19:53:48
69	1	97C05251 97C-0439-04	5697326069.RAW;1	23-NOV-1997 20:30:30
70	1	CCV_1660_1.0 138-WS-27590	5697326070.RAW;1	23-NOV-1997 21:07:17

PENelson ACCESS*CHROM v1.9 Injection Log Worksheet

Sequence File = DISK:[TAYLORC]5697326.SEQ;3 Data Directory = DISK:[TAYLORC]

Seq#	Rep#	Sample Name Sample Notes	Data Filename	Acquisition Time
71	1	BL-142144-1 97C-0439-01	5697326071.RAW;1	23-NOV-1997 21:44:00
72	1	QC-142144-1 97C-0439-01	5697326072.RAW;1	23-NOV-1997 22:20:47
73	1	97C05249 X100 97C-0439-01	5697326073.RAW;1	23-NOV-1997 22:57:08
74	1	97C05249MS X100 97C-0439-01	5697326074.RAW;1	23-NOV-1997 23:33:54
75	1	97C05249MSD X100 97C-0439-01	5697326075.RAW;1	24-NOV-1997 00:10:37
76	1	97C05250 X100 97C-0439-01	5697326076.RAW;1	24-NOV-1997 00:47:24
77	1	97C05249 97C-0439-01	5697326077.RAW;1	24-NOV-1997 01:24:10
78	1	97C05249MS 97C-0439-01	5697326078.RAW;1	24-NOV-1997 02:00:56
79	1	97C05249MSD 97C-0439-01	5697326079.RAW;1	24-NOV-1997 02:37:42
80	1	97C05250 97C-0439-01	5697326080.RAW;1	24-NOV-1997 03:14:06
81	1	CCV_1660_1.0 138-WS-27590	5697326081.RAW;1	24-NOV-1997 03:50:54

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 12/15/97

Sample Name	CL4XYL Result	PCB016 Result	PCB260 Result	PCB254 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	6.7978	11.978	16.59	17.621	22.006	
	1.6193E-03	1.178	1.165	0.8688	9.1894E-04	
PRIME	-6.4322E-04	-1.5885E-03	1.5566E-03	9.5232E-04		
PCB221_2.0	0.4936	0.1556	6.7096E-02	2.7779E-02	0.4601	
PCB232_2.0	0.3682	0.7454	0.1258	7.9041E-02	0.333	
PCB242_2.0	0.2504	0.8718	0.4212	0.1109	0.2175	
PCB248_2.0	0.2283	0.8697	0.363	0.2884	0.2333	
$1254_0.02	0	0	0	0	0	
$1254_0.10	0	0	0	0	0	
$1254_0.20	0	0	0	0	0	
$1254_1.0	0	0	0	0	0	
$1254_2.0	0	0	0	0	0	
ICV1254_1.0		0.2867	1.554	0.839		
$1660_0.01	0	0	0	0	0	
$1660_0.10	0	0	0	0	0	
$1660_0.20	0	0	0	0	0	
$1660_1.0	0	0	0	0	0	
$1660_2.0	0	0	0	0	0	
ICV_1660_1.0	5.6150E-03	1.167	0.9141	0.6079	8.8394E-03	
CCV_1660_1.0	0.1701	0.9812	0.8632	0.3305	0.1757	
BL-142132-1	16	17.78	6.887	5.414	15.56	
QC-142132-1	14.76	168.2	155.2	62.34	16.55	
97C05169 X10	-3.8015E-02	22.32	180	51.83		
97C05170 X10	-2.0168E-02	17.32	149.3	50.42		
97C05171 X10	-3.5756E-02	32.36	327.4	131.3		
97C05172 X10	-3.0786E-02	330.8	80.39	41.75		
97C05173 X10	-2.9656E-02	94.08	628.3	261.7		
97C05174 X10	-4.2081E-02	16	136	46.11		
97C05175 X10	-2.5138E-02	21.08	57.98	11.27		
97C05176 X10	1.8241E-02	76.06	179.9	117.4		
CCV_1660_1.0	0.1732	0.9794	0.9226	0.3627	0.1914	
97C05176MS X	-2.3331E-02	66.5	143.6	96.06		
97C05176MSD	-3.6434E-02	64.45	153.6	103.5		
97C05177 X10	-3.3045E-02	49.77	172	118.8		
97C05178 X10	-5.0440E-02		-3.9928E-03		-7.6616E-02	
97C05179 X10	-5.8120E-02	1.224	6.554	0.7496	-6.0464E-02	
97C05180 X10	-4.8633E-02				-7.1646E-02	
97C05181 X10	-5.1118E-02	39.06	320.3	147.5		
97C05182 X10	6.7727E-02	54.03	70.84	54.27		
97C05183 X10	-4.3663E-02	57.72	167.5	113.5		
97C05184 X10	-4.4340E-02	95.78	438.2	189.9		
CCV_1660_1.0	0.1694	0.9397	0.9105	0.3555	0.2	

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PENelson ACCESS*CHROM V1.8 Peak Summary Worksheet

Sample Name	CL4XYL Result	PCB016 Result	PCB260 Result	PCB254 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	6.7978	11.978	16.59	17.621	22.006	
	1.6193E-03	1.178	1.165	0.8688	9.1894E-04	
97C05185 X10	-1.8586E-02	28.96	46.44	26.66		
97C05186 X10	-4.5244E-02	21.94	171.4	53.28		
97C05187 X10	-5.3828E-02		0.4964		-6.0774E-02	
97C05188 X10	-4.5470E-02	18.63	164.3	16.08	-2.1011E-02	
97C05169	14.7	117.5	0	0		
+	+	+	+	+	+	
97C05170	14.11	92.19	0	0		
97C05171	15.41	210.6	0	0		
97C05172	15.52	0	0	0		
97C05173	15.22	261.2	0	0		
97C05174	15.68	90.8	0	0		
+	+	+	+	+	+	
CCV_1660_1.0	0.1792	0.9168	0.7472	0.3048	0.179	
97C05175	16.45	44.77	0	199.2	14.18	
97C05176	15.4	165.9	0	0		
97C05176MS	14.87	185.4	0	0		
97C05176MSD	15.35	206.9	0	0		
+	+	+	+	+	+	
97C05177	15.41	123	0	0		
97C05178	16.6	3.665	26.19	7.224	13.35	
97C05179	16.31	155.2	563.6	388.5	13.33	
97C05180	16.25	2.587	53.46	17.93	13.72	
97C05181	14.82	222.1	0	0		
+	+	+	+	+	+	
97C05182	15.82	152.8	0	0		
CCV_1660_1.0	0.1741	0.9047	0.7369	0.3002	0.1692	
97C05183	13.1	405.9	0	0		
97C05184	15.79	243.6	0	0		
97C05185	16.21	121.7	0	0	14.34	
+	+	+	+	+	+	
97C05186	15.79	150.9	0	0		
97C05187	15.6	12.48	32.36	28.2	12.89	
97C05188	16.61	401.8	126.6	0	13.74	
BL-142147-1	0.3977		6.2989E-02	-5.8678E-02	0.3817	
QC-142147-1	0.3691	4.65	4.382	1.629	0.4341	
+	+	+	+	+	+	
97C05251	0.4369	6.6752E-02	8.6961E-02		0.3405	
CCV_1660_1.0	0.174	1.003	0.9035	0.3436	0.1839	
BL-142144-1	16.03	0.3137	3.406	-1.23	15.14	
QC-142144-1	12.51	142.1	133.8	52.65	16.56	
97C05249 X10	-5.8346E-02	12.33	151.6	27.82		
+	+	+	+	+	+	
97C05249MS X	-3.7789E-02	18.23	200.4	41.43		
97C05249MSD	-4.2081E-02	13.45	166.4	29.4		
97C05250 X10	-3.9822E-02	10.56	231.8	50.07		
97C05249	14.76	307.4	0	0		
97C05249MS	15.59	175.7	0	0		
+	+	+	+	+	+	

PENelson ACCESS*CHROM V1.8 Peak Summary Worksheet

Sample Name	CL4XYL Result	PCB016 Result	PCB260 Result	PCB254 Result	DBUCLE Result	Peak RT Mean / RT SD / Response
	6.7978	11.978	16.59	17.621	22.006	RT Mean
	1.6193E-03	1.178	1.165	0.8688	9.1894E-04	RT SD
97C05249MSD	14.97	466.6	0	0		
97C05250	12.67	142.6	0	0		
CCV_1660_1.0	0.1699	0.8639	0.7287	0.2809	0.168	

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Section 3.
Environmental Organic Analysis
(Rev. 1: 3/95)

Calibration Data (Primary Column)
Inventory Checklist

☒ The initial calibration consists of the following:

- ▲ Calibration standards
- ▲ Initial Calibration Verification (ICV) solution
- ▲ Mid-range pattern identification standards (if applicable)
- ▲ Breakdown calculation solution (if not accommodated by calibration standards)

☒ Continuing Calibration (in sequence-specified order)

Section 3.
Calibration Data (Primary Column)
Reviewer Checklist

X The calibration data inventory checklist above is complete.

X The calibration data has been verified for the following:

- ☞ Response data are consistent with tabular summary sheets for all data.
- ☞ For each analyte on the tabular summary, the retention time is consistent with the calibration standards.
- ☞ The low standards are clearly distinguished from the baseline.
- ☞ Integration is consistent with good chromatography practices unless otherwise specified on raw data.
- ☞ When multi-component analytes are being quantitated, the total response is shown on each raw data file for each multi-peak method used.
- ☞ No saturated peaks have been used for quantitation.
- ☞ Manual edits have been initialed and dated by the analyst.
- ☞ All method headers reflect correct analysis data.

✓ 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.....15-DEC-1997 16:53:39.85 User: TAYLORC
Report number.....1197265422
Raw file.....DISK:[TAYLORC]5697326006.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;85
Last method update..15-DEC-1997 16:53:46.26

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Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 01:25:46
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.02
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN TO 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....36
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.34	PCB016;2	1		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.02

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.800	7388				
PCB016;3	11.916	424				
PCB016;4	12.490	562				
PCB015;5	13.610	421				
PCB260;1	15.071	1162				

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PCB260;2	15.344	1620		
PCB254;1	16.575	1559	4.0000E-03	3.897E+05
PCB254;2	16.811	1903	4.0000E-03	4.757E+05
PCB260;3	17.207	2842		
PCB260;4	17.473	479		
PCB254;3	17.678	1776	4.0000E-03	4.440E+05
PCB260;5	17.864	390		
PCB254;4	18.241	944	4.0000E-03	2.360E+05
PCB254;5	19.216	812	4.0000E-03	2.030E+05
DBUCLE	22.008	4937		

METHOD CALIBRATION CHANGES

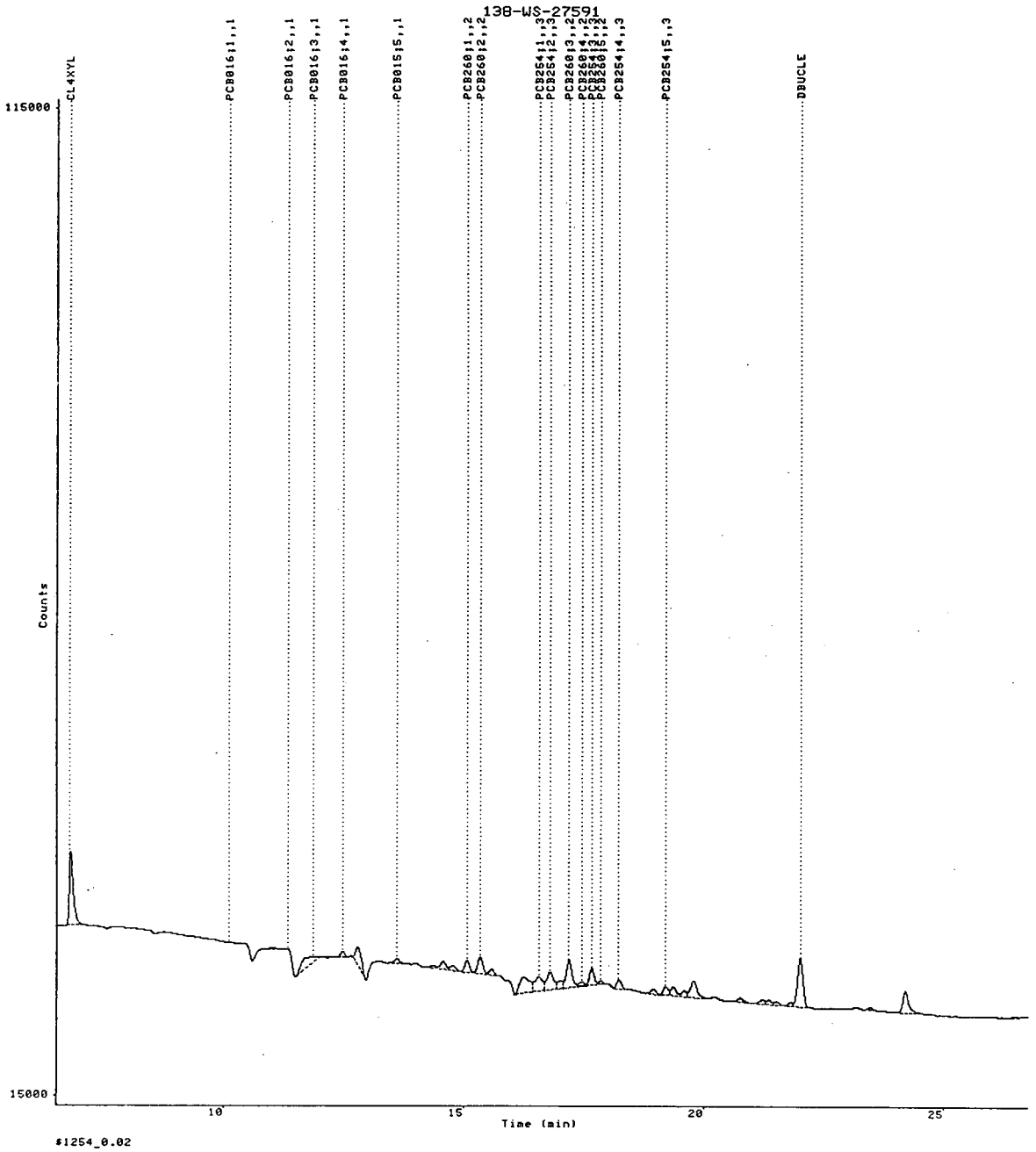
Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;3	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB015;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB260;2	15.349	15.349				0
PCB254;1	16.574	16.574	3.898E+05	3.897E+05		1
PCB254;2	16.806	16.806	4.758E+05	4.757E+05		1
PCB260;3	17.201	17.201				0
PCB260;4	17.477	17.477				0
PCB254;3	17.673	17.673	4.440E+05	4.440E+05		1
PCB260;5	17.864	17.864				0
PCB254;4	18.234	18.234	2.360E+05	2.360E+05		1
PCB254;5	19.215	19.215	2.030E+05	2.030E+05		1
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

0204

Data file: DISK:[TAYLORC]5697326006.RAW;1
Report: 1197265422
Acquired: 14-NOV-1997 01:25:46
Time range: 6.50-26.75



0205

Date.....15-DEC-1997 16:53:55.85 User: TAYLORC
Report number.....1197265423
Raw file.....DISK:[TAYLORC]5697326007.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;86
Last method update..15-DEC-1997 16:54:02.98

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 02:02:29
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.10
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....83
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.796	39088				
PCB016;1	10.091	617				
PCB016;2	11.373	1573				
PCB016;4	12.490	2960				
PCB015;5	13.612	3394				
PCB260;1	15.067	6628				
PCB260;2	15.341	7548				
PCB254;1	16.570	4192	2.0000E-02	2.096E+05		
PCB254;2	16.797	5837	2.0000E-02	2.918E+05		

PCB260;3	17.230	18761		
PCB260;4	17.464	1793		
PCB254;3	17.668	9016	2.0000E-02	4.508E+05
PCB260;5	17.860	3291		
PCB254;4	18.232	4109	2.0000E-02	2.054E+05
PCB254;5	19.218	4529	2.0000E-02	2.264E+05
DBUCLE	22.006	21791		

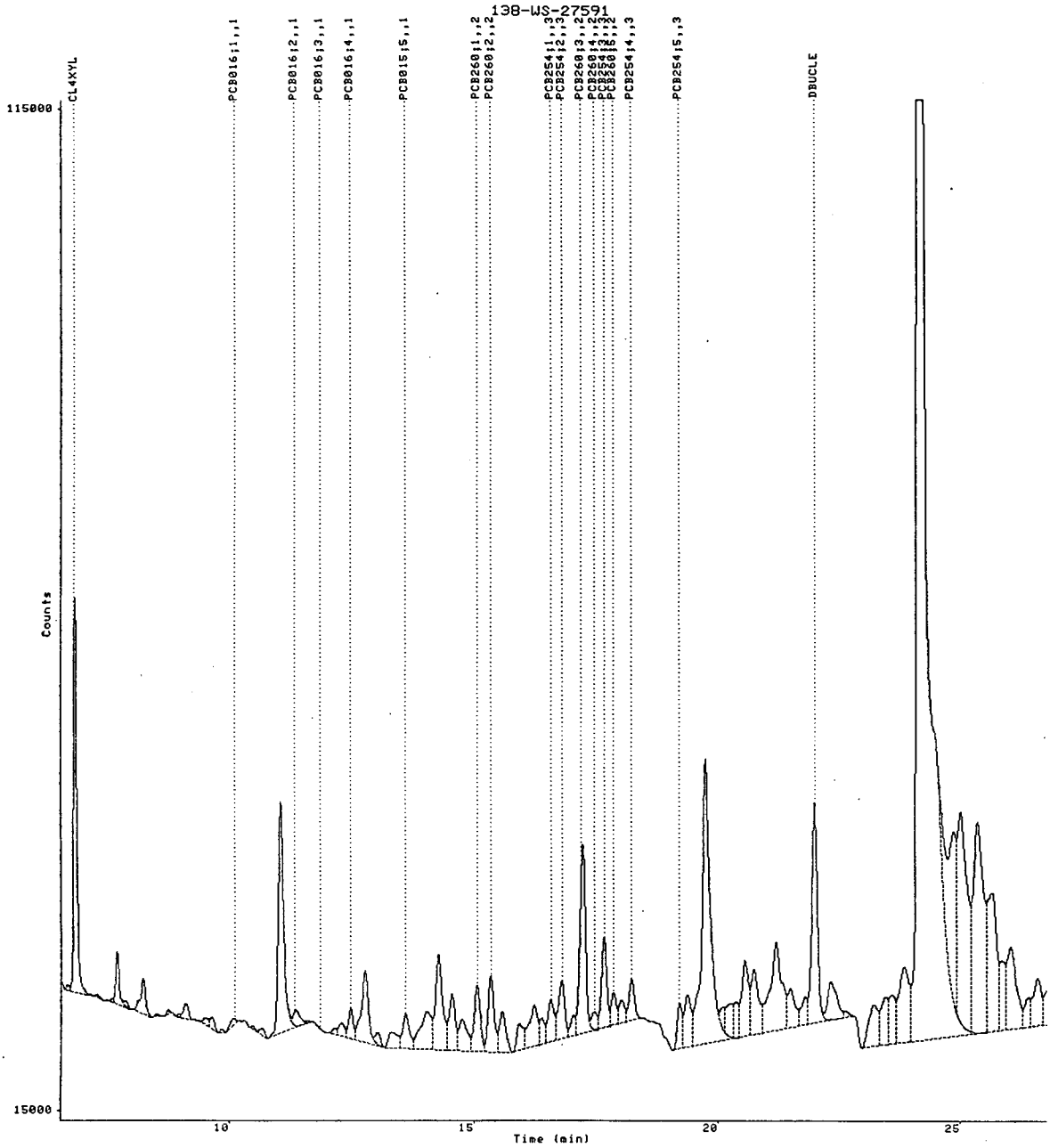
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	10.100	10.100				0
PCB016;2	11.337	11.337				0
PCB016;4	12.497	12.497				0
PCB015;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB260;2	15.349	15.349				0
PCB254;1	16.574	16.574	2.096E+05	2.096E+05		1
PCB254;2	16.806	16.806	2.918E+05	2.918E+05		1
PCB260;3	17.201	17.201				0
PCB260;4	17.477	17.477				0
PCB254;3	17.673	17.673	4.508E+05	4.508E+05		1
PCB260;5	17.864	17.864				0
PCB254;4	18.234	18.234	2.054E+05	2.054E+05		1
PCB254;5	19.215	19.215	2.264E+05	2.264E+05		1
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326007.RAW;1
Report: 1197265423
Acquired: 14-NOV-1997 02:02:29
Time range: 6.50-26.75



#1254_0.10

0208

Date.....15-DEC-1997 16:54:12.28 User: TAYLORC
Report number.....1197265424
Raw file.....DISK:[TAYLORC]5697326008.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;87
Last method update..15-DEC-1997 16:54:19.32

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 02:38:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_0.20
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....46
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.88	PCB016;3	1		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1254_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.798	62645				
PCB016;2	11.335	300				
PCB016;4	12.496	5881				
PCB015;5	13.611	3885				
PCB260;1	15.072	11088				
PCB260;2	15.342	13658				
PCB254;1	16.575	5856	4.0000E-02	1.464E+05		
PCB254;2	16.810	9573	4.0000E-02	2.393E+05		

PCB260;3	17.205	19098		
PCB260;4	17.474	3347		
PCB254;3	17.675	13977	4.0000E-02	3.494E+05
PCB260;5	17.862	5818		
PCB254;4	18.240	7847	4.0000E-02	1.962E+05
PCB254;5	19.213	7550	4.0000E-02	1.888E+05
DBUCLE	22.007	42557		

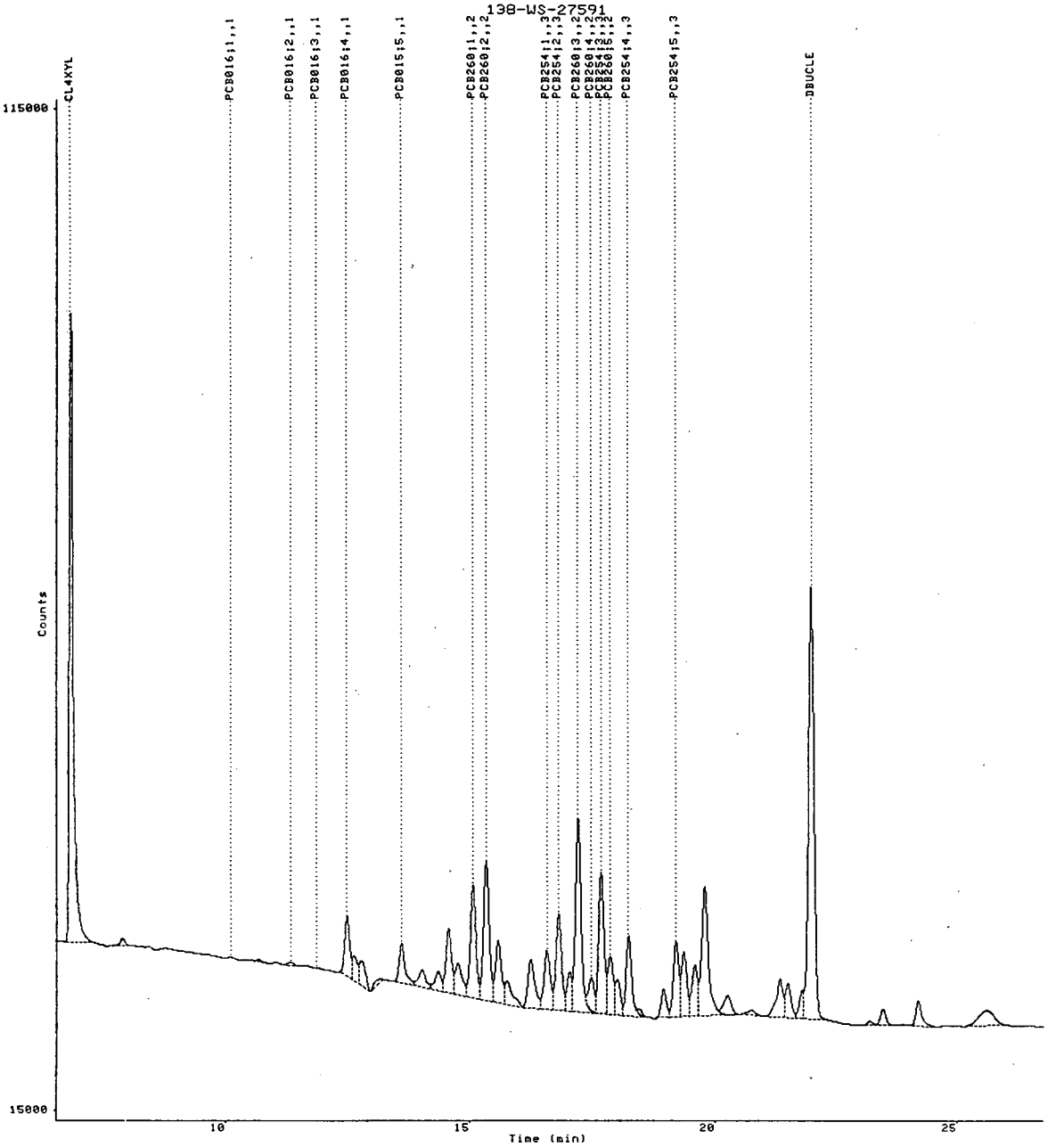
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;2	11.337	11.337				0
PCB016;4	12.497	12.497				0
PCB015;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB260;2	15.349	15.349				0
PCB254;1	16.574	16.574	1.464E+05	1.464E+05		1
PCB254;2	16.806	16.806	2.393E+05	2.393E+05		1
PCB260;3	17.201	17.201				0
PCB260;4	17.477	17.477				0
PCB254;3	17.673	17.673	3.494E+05	3.494E+05		1
PCB260;5	17.864	17.864				0
PCB254;4	18.234	18.234	1.962E+05	1.962E+05		1
PCB254;5	19.215	19.215	1.888E+05	1.888E+05		1
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326008.RAW;1
Report: 1197265424
Acquired: 14-NOV-1997 02:38:55
Time range: 6.50-26.75



$1254_0.20

0211

Date.....15-DEC-1997 16:54:28.65 User: TAYLORC
Report number.....1197265425
Raw file.....DISK:[TAYLORC]5697326009.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;88
Last method update..15-DEC-1997 16:54:35.61

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 03:15:38
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_1.0
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....56
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1254_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.797	293752				
PCB016;1	10.105	703				
PCB016;2	11.336	1829				
PCB016;3	11.885	471				
PCB016;4	12.495	28640				
PCB015;5	13.610	21315				
PCB260;1	15.071	50165				
PCB260;2	15.341	60704				
PCB254;1	16.574	26533	0.20000	1.327E+05		
PCB254;2	16.808	44519	0.20000	2.226E+05		
PCB260;3	17.204	89146				
PCB260;4	17.475	18083				
PCB254;3	17.672	71560	0.20000	3.578E+05		
PCB260;5	17.862	30893				
PCB254;4	18.237	43477	0.20000	2.174E+05		
PCB254;5	19.208	38265	0.20000	1.913E+05		

DBUCLE 22.006 200901

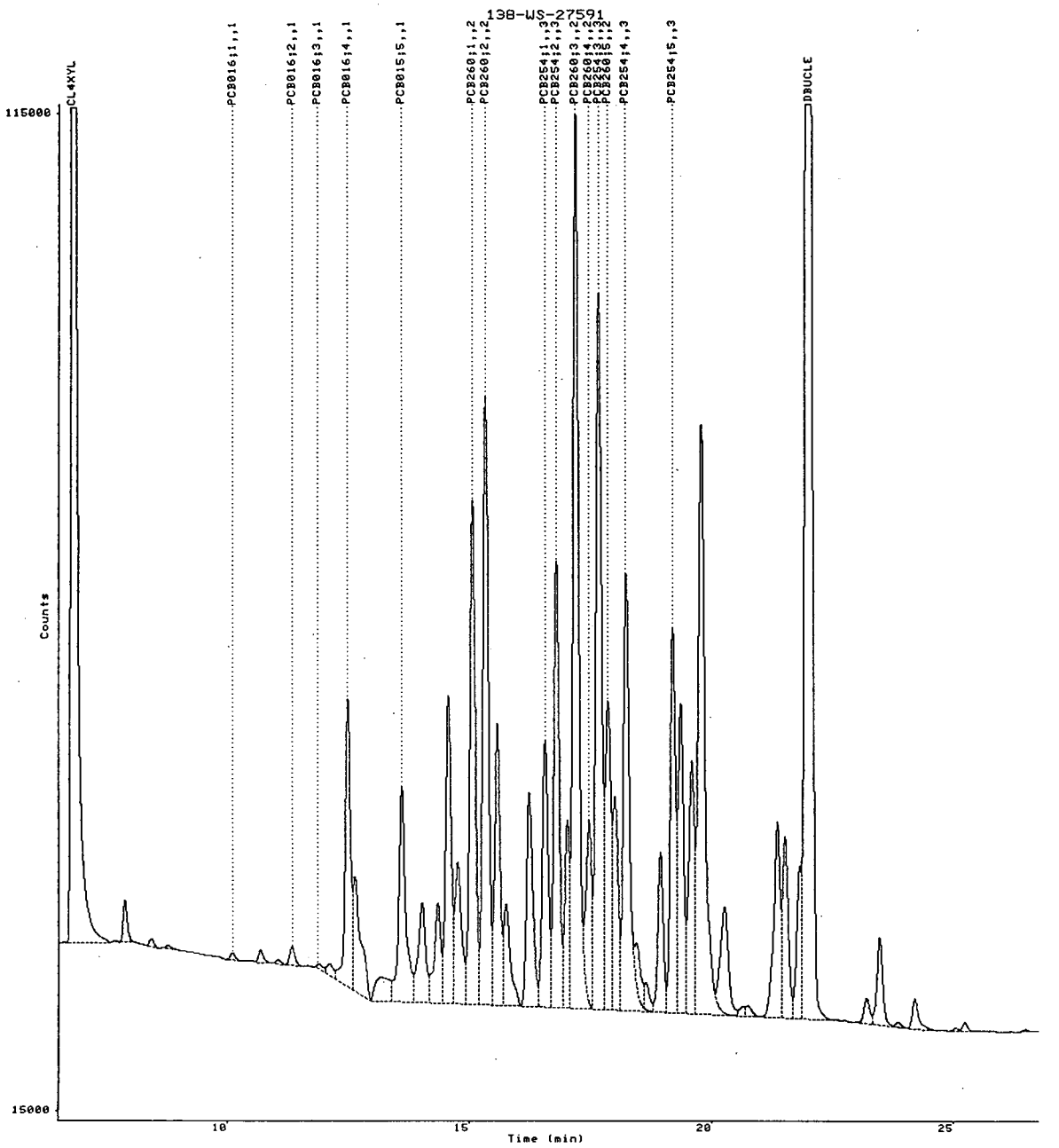
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	10.100	10.100				0
PCB016;2	11.337	11.337				0
PCB016;3	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB015;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB260;2	15.349	15.349				0
PCB254;1	16.574	16.574	1.327E+05	1.327E+05		1
PCB254;2	16.806	16.806	2.226E+05	2.226E+05		1
PCB260;3	17.201	17.201				0
PCB260;4	17.477	17.477				0
PCB254;3	17.673	17.673	3.578E+05	3.578E+05		1
PCB260;5	17.864	17.864				0
PCB254;4	18.234	18.234	2.174E+05	2.174E+05		1
PCB254;5	19.215	19.215	1.913E+05	1.913E+05		1
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326009.RAW;1
Report: 1197265425
Acquired: 14-NOV-1997 03:15:38
Time range: 6.50-26.75



$1254_1.0

0214

Date.....15-DEC-1997 16:54:44.49 User: TAYLORC
Report number.....1197265426
Raw file.....DISK:[TAYLORC]5697326010.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;89
Last method update..15-DEC-1997 16:54:51.30

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....23

Acq. date.....14-NOV-1997 03:52:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1254_2.0
Notes.....138-WS-27591

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....54
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

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EXTERNAL STANDARD CALIBRATION

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Calibration Sample name: $1254_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref Std
CL4XYL	6.796	491602			
PCB016;1	10.105	1267			
PCB016;2	11.335	3322			
PCB016;3	11.890	766			
PCB016;4	12.494	46531			
PCB015;5	13.608	33095			
PCB260;1	15.071	82145			
PCB260;2	15.339	100432			
PCB254;1	16.572	44126	0.40000	1.103E+05	
PCB254;2	16.806	75723	0.40000	1.893E+05	
PCB260;3	17.202	150072			
PCB260;4	17.474	30038			
PCB254;3	17.671	122684	0.40000	3.067E+05	
PCB260;5	17.861	51515			
PCB254;4	18.237	74084	0.40000	1.852E+05	
PCB254;5	19.207	66520	0.40000	1.663E+05	

DBUCLE 22.006 347041

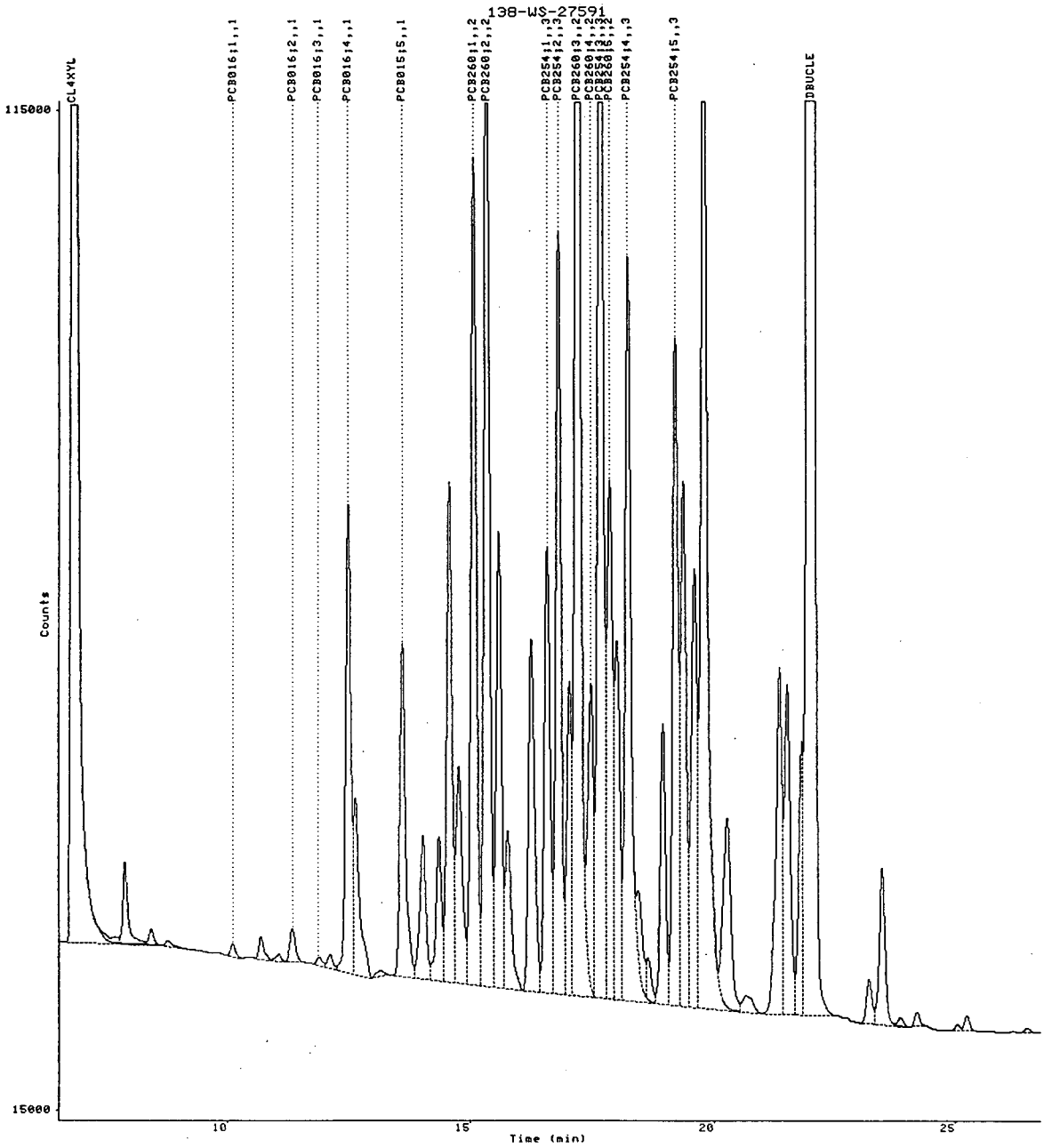
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772				0
PCB016;1	10.100	10.100				0
PCB016;2	11.337	11.337				0
PCB016;3	11.879	11.879				0
PCB016;4	12.497	12.497				0
PCB015;5	13.603	13.603				0
PCB260;1	15.075	15.075				0
PCB260;2	15.349	15.349				0
PCB254;1	16.574	16.574	1.103E+05	1.103E+05		1
PCB254;2	16.806	16.806	1.893E+05	1.893E+05		1
PCB260;3	17.201	17.201				0
PCB260;4	17.477	17.477				0
PCB254;3	17.673	17.673	3.067E+05	3.067E+05		1
PCB260;5	17.864	17.864				0
PCB254;4	18.234	18.234	1.852E+05	1.852E+05		1
PCB254;5	19.215	19.215	1.663E+05	1.663E+05		1
DBUCLE	22.012	22.012				0

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326010.RAW;1
Report: 1197265426
Acquired: 14-NOV-1997 03:52:23
Time range: 6.50-26.75



#1254_2.0

0217

Date.....15-DEC-1997 16:55:00.53 User: TAYLORC
Report number.....1197265427
Raw file.....DISK:[TAYLORC]5697326012.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;90
Last method update..15-DEC-1997 16:55:07.26

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....20

Acq. date.....14-NOV-1997 05:05:54
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.01
Notes.....138-WS-27588-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....48
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.57	PCB254;1	3		
16.81	PCB254;2	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.01

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.800	3876	2.0000E-03	1.938E+06		
PCB016;1	10.110	1039	2.0000E-03	5.195E+05		
PCB016;2	11.339	1059	2.0000E-03	5.295E+05		
PCB016;3	11.870	428	2.0000E-03	2.140E+05		
PCB016;4	12.501	117	2.0000E-03	5.850E+04		
PCB015;5	13.599	388	2.0000E-03	1.940E+05		
PCB260;1	15.058	596	2.0000E-03	2.980E+05		

PCB260;2	15.341	264	2.0000E-03	1.320E+05
PCB260;3	17.201	641	2.0000E-03	3.205E+05
PCB260;4	17.460	373	2.0000E-03	1.865E+05
PCB254;3	17.695	123		
PCB260;5	17.871	832	2.0000E-03	4.160E+05
PCB254;4	18.241	1212		
DBUCLE	22.007	2954	2.0000E-03	1.477E+06

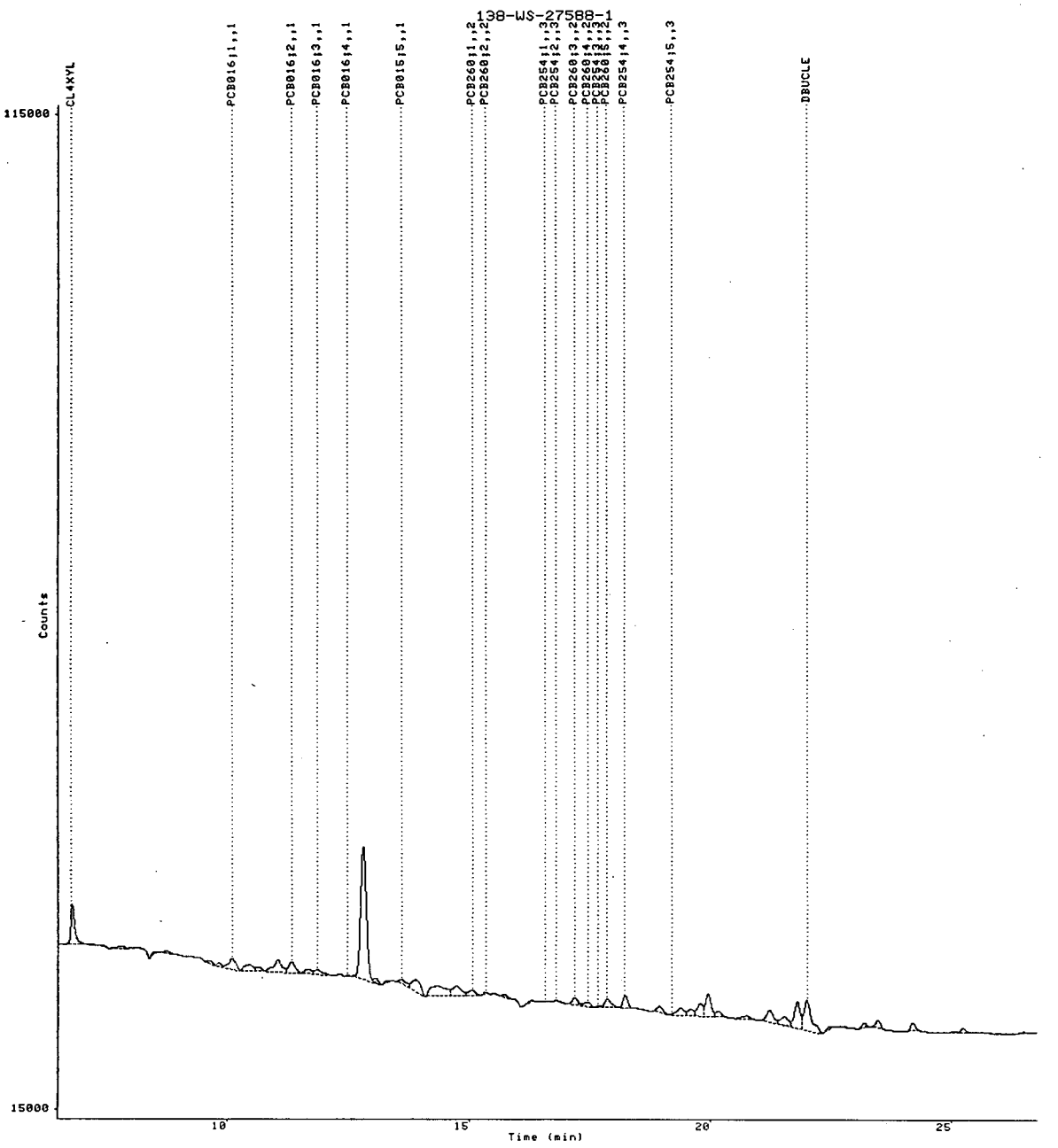
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.938E+06	1.938E+06		1
PCB016;1	10.100	10.100	5.195E+05	5.195E+05		1
PCB016;2	11.337	11.337	5.295E+05	5.295E+05		1
PCB016;3	11.879	11.879	2.140E+05	2.140E+05		1
PCB016;4	12.497	12.497	5.850E+04	5.850E+04		1
PCB015;5	13.603	13.603	1.940E+05	1.940E+05		1
PCB260;1	15.075	15.075	2.980E+05	2.980E+05		1
PCB260;2	15.349	15.349	1.320E+05	1.320E+05		1
PCB260;3	17.201	17.201	3.205E+05	3.205E+05		1
PCB260;4	17.477	17.477	1.865E+05	1.865E+05		1
PCB254;3	17.673	17.673				0
PCB260;5	17.864	17.864	4.160E+05	4.160E+05		1
PCB254;4	18.234	18.234				0
DBUCLE	22.012	22.012	1.477E+06	1.477E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326012.RAW;1
Report: 1197265427
Acquired: 14-NOV-1997 05:05:54
Time range: 6.50-26.75



#1660_0.01

0220

Date.....15-DEC-1997 16:55:16.54 User: TAYLORC
Report number.....1197265428
Raw file.....DISK:[TAYLORC]5697326013.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;91
Last method update..15-DEC-1997 16:55:23.40

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....21

Acq. date.....14-NOV-1997 05:42:36
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.10
Notes.....138-WS-27590-4

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....50
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.57	PCB254;1	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.10

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.799	31154	2.0000E-02	1.558E+06		
PCB016;1	10.107	4496	2.0000E-02	2.248E+05		
PCB016;2	11.343	8227	2.0000E-02	4.114E+05		
PCB016;3	11.895	2758	2.0000E-02	1.379E+05		
PCB016;4	12.494	2475	2.0000E-02	1.238E+05		
PCB015;5	13.609	3217	2.0000E-02	1.608E+05		
PCB260;1	15.070	2476	2.0000E-02	1.238E+05		
PCB260;2	15.345	2683	2.0000E-02	1.342E+05		

PCB254;2	16.813	537		
PCB260;3	17.200	5000	2.0000E-02	2.500E+05
PCB260;4	17.476	2374	2.0000E-02	1.187E+05
PCB254;3	17.684	390		
PCB260;5	17.870	6400	2.0000E-02	3.200E+05
PCB254;4	18.241	9892		
DBUCLE	22.006	21698	2.0000E-02	1.085E+06

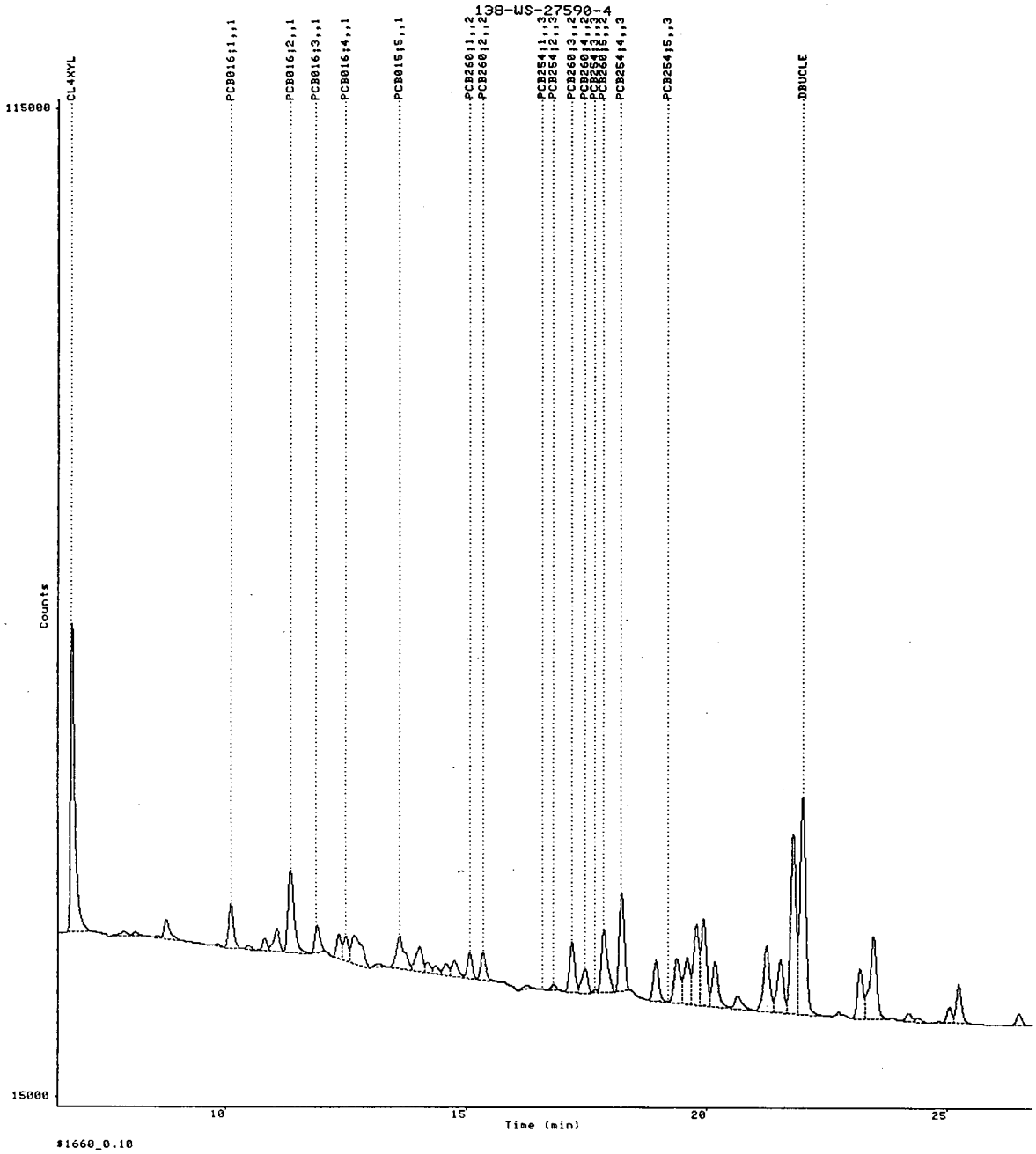
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.558E+06	1.558E+06		1
PCB016;1	10.100	10.100	2.248E+05	2.248E+05		1
PCB016;2	11.337	11.337	4.114E+05	4.114E+05		1
PCB016;3	11.879	11.879	1.379E+05	1.379E+05		1
PCB016;4	12.497	12.497	1.238E+05	1.238E+05		1
PCB015;5	13.603	13.603	1.608E+05	1.608E+05		1
PCB260;1	15.075	15.075	1.238E+05	1.238E+05		1
PCB260;2	15.349	15.349	1.342E+05	1.342E+05		1
PCB254;2	16.806	16.806				0
PCB260;3	17.201	17.201	2.500E+05	2.500E+05		1
PCB260;4	17.477	17.477	1.187E+05	1.187E+05		1
PCB254;3	17.673	17.673				0
PCB260;5	17.864	17.864	3.200E+05	3.200E+05		1
PCB254;4	18.234	18.234				0
DBUCLE	22.012	22.012	1.085E+06	1.085E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326013.RAW;1
Report: 1197265428
Acquired: 14-NOV-1997 05:42:36
Time range: 6.50-26.75



Date.....15-DEC-1997 16:55:33.17 User: TAYLORC
Report number.....1197265429
Raw file.....DISK:[TAYLORC]5697326014.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;92
Last method update..15-DEC-1997 16:55:40.13

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....21

Acq. date.....14-NOV-1997 06:19:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_0.20
Notes.....138-WS-27590-3

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....55
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_0.20

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.799	58744	4.0000E-02	1.469E+06		
PCB016;1	10.107	8559	4.0000E-02	2.140E+05		
PCB016;2	11.342	15617	4.0000E-02	3.904E+05		
PCB016;3	11.895	5382	4.0000E-02	1.346E+05		
PCB016;4	12.495	4710	4.0000E-02	1.178E+05		
PCB015;5	13.609	6816	4.0000E-02	1.704E+05		
PCB260;1	15.071	5919	4.0000E-02	1.480E+05		
PCB260;2	15.343	6261	4.0000E-02	1.565E+05		
PCB254;1	16.564	501				

PCB254;2	16.814	1210		
PCB260;3	17.199	9421	4.0000E-02	2.355E+05
PCB260;4	17.476	4371	4.0000E-02	1.093E+05
PCB254;3	17.678	874		
PCB260;5	17.869	11882	4.0000E-02	2.970E+05
PCB254;4	18.239	18391		
DBUCLE	22.006	41468	4.0000E-02	1.037E+06

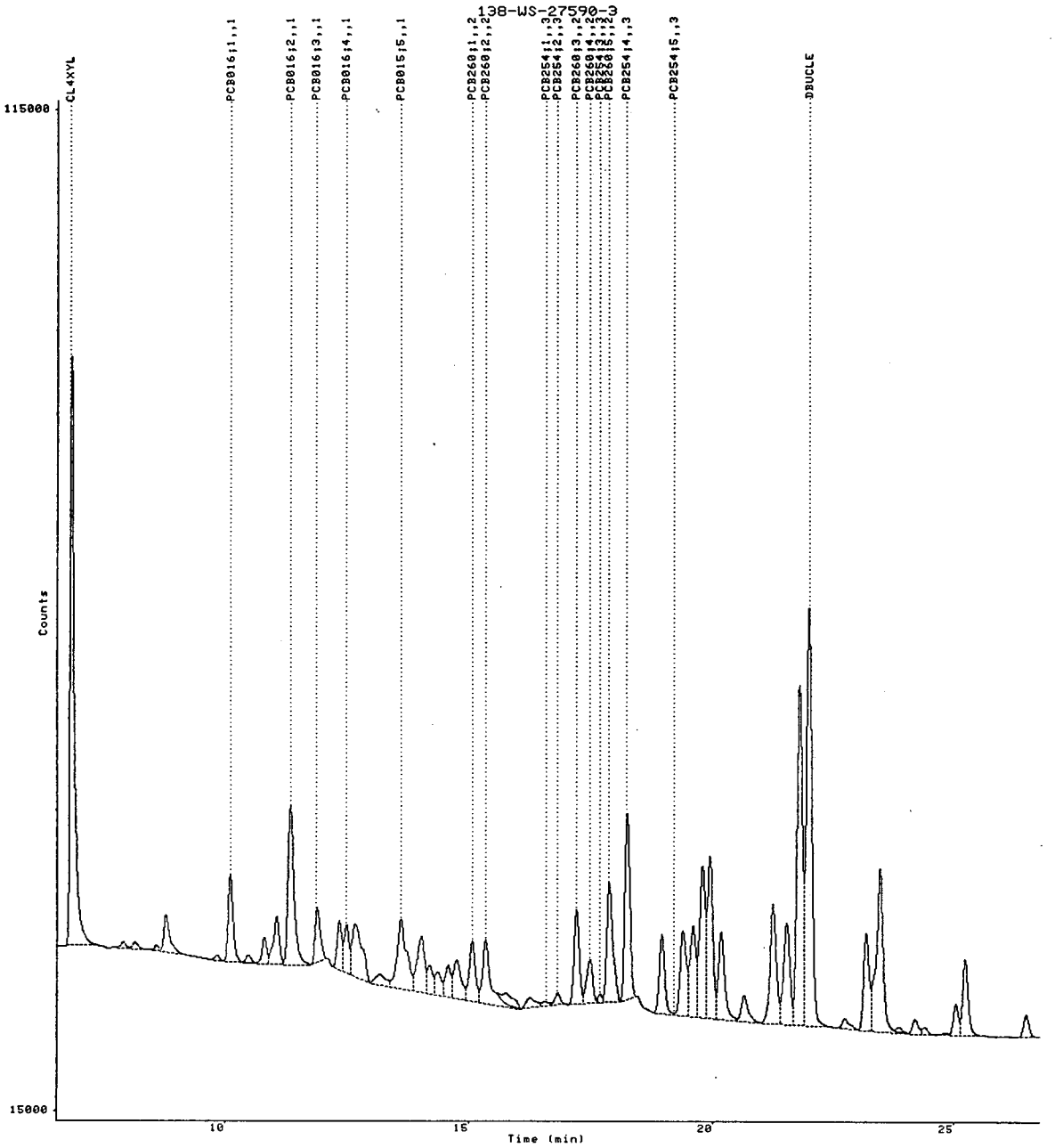
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.469E+06	1.469E+06		1
PCB016;1	10.100	10.100	2.140E+05	2.140E+05		1
PCB016;2	11.337	11.337	3.904E+05	3.904E+05		1
PCB016;3	11.879	11.879	1.346E+05	1.346E+05		1
PCB016;4	12.497	12.497	1.178E+05	1.178E+05		1
PCB015;5	13.603	13.603	1.704E+05	1.704E+05		1
PCB260;1	15.075	15.075	1.480E+05	1.480E+05		1
PCB260;2	15.349	15.349	1.565E+05	1.565E+05		1
PCB254;1	16.574	16.574				0
PCB254;2	16.806	16.806				0
PCB260;3	17.201	17.201	2.355E+05	2.355E+05		1
PCB260;4	17.477	17.477	1.093E+05	1.093E+05		1
PCB254;3	17.673	17.673				0
PCB260;5	17.864	17.864	2.970E+05	2.970E+05		1
PCB254;4	18.234	18.234				0
DBUCLE	22.012	22.012	1.037E+06	1.037E+06		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326014.RAW;1
Report: 1197265429
Acquired: 14-NOV-1997 06:19:23
Time range: 6.50-26.75



$1660_0.20

Date.....15-DEC-1997 16:55:48.58 User: TAYLORC
Report number.....1197265430
Raw file.....DISK:[TAYLORC]5697326015.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;93
Last method update..15-DEC-1997 16:55:55.58

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....23

Acq. date.....14-NOV-1997 06:56:05
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_1.0
Notes.....138-WS-27590-2

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....65
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.57	PCB254;1	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_1.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.797	266553	0.20000	1.333E+06		
PCB016;1	10.100	40599	0.20000	2.030E+05		
PCB016;2	11.331	75357	0.20000	3.768E+05		
PCB016;3	11.884	30595	0.20000	1.530E+05		
PCB016;4	12.491	20557	0.20000	1.028E+05		
PCB015;5	13.603	26913	0.20000	1.346E+05		
PCB260;1	15.067	21717	0.20000	1.086E+05		
PCB260;2	15.337	24211	0.20000	1.211E+05		

PCB254;2	16.785	7417		
PCB260;3	17.195	44991	0.20000	2.250E+05
PCB260;4	17.472	22180	0.20000	1.109E+05
PCB254;3	17.671	9398		
PCB260;5	17.865	56496	0.20000	2.825E+05
PCB254;4	18.234	92910		
DBUCLE	22.005	195086	0.20000	9.754E+05

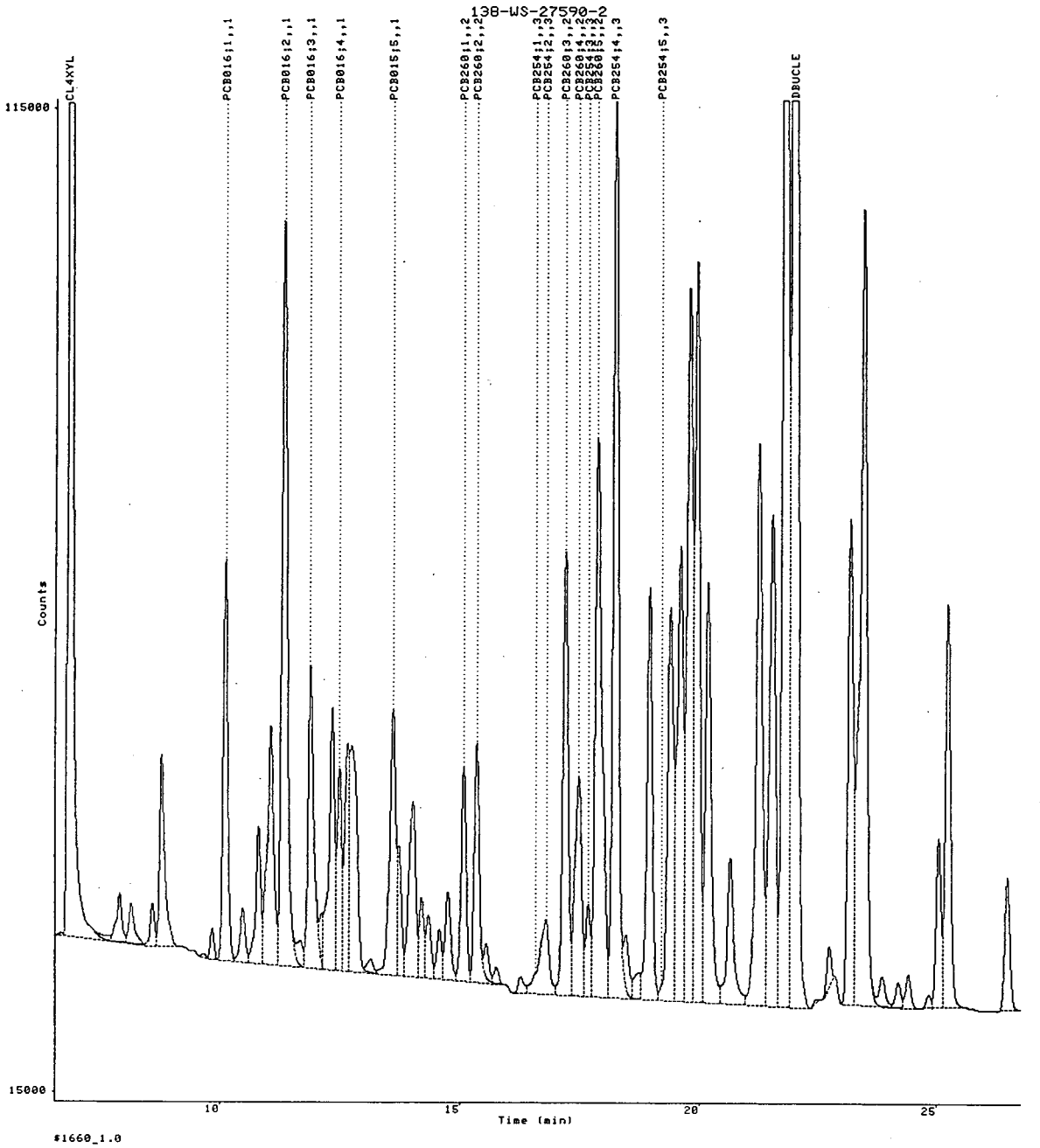
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.333E+06	1.333E+06		1
PCB016;1	10.100	10.100	2.030E+05	2.030E+05		1
PCB016;2	11.337	11.337	3.768E+05	3.768E+05		1
PCB016;3	11.879	11.879	1.530E+05	1.530E+05		1
PCB016;4	12.497	12.497	1.028E+05	1.028E+05		1
PCB015;5	13.603	13.603	1.346E+05	1.346E+05		1
PCB260;1	15.075	15.075	1.086E+05	1.086E+05		1
PCB260;2	15.349	15.349	1.211E+05	1.211E+05		1
PCB254;2	16.806	16.806				0
PCB260;3	17.201	17.201	2.250E+05	2.250E+05		1
PCB260;4	17.477	17.477	1.109E+05	1.109E+05		1
PCB254;3	17.673	17.673				0
PCB260;5	17.864	17.864	2.825E+05	2.825E+05		1
PCB254;4	18.234	18.234				0
DBUCLE	22.012	22.012	9.754E+05	9.754E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326015.RAW;1
Report: 1197265430
Acquired: 14-NOV-1997 06:56:05
Time range: 6.50-26.75



0229

Date.....15-DEC-1997 16:56:05.26 User: TAYLORC
Report number.....1197265431
Raw file.....DISK:[TAYLORC]5697326016.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;94
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 07:32:51
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....$1660_2.0
Notes.....138-WS-27590-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....66
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Calib. factors.....Replace
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore
Retention times.....Unaltered
(1/x,y) exponent....-1

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD CALIBRATION

Calibration Sample name: $1660_2.0

Peak Name	R.T.(min)	Peak Ht	Conc	CF	Ref	Std
CL4XYL	6.796	477923	0.40000	1.195E+06		
PCB016;1	10.098	67270	0.40000	1.682E+05		
PCB016;2	11.332	130942	0.40000	3.274E+05		
PCB016;3	11.884	55074	0.40000	1.377E+05		
PCB016;4	12.490	38449	0.40000	9.612E+04		
PCB015;5	13.602	50589	0.40000	1.265E+05		
PCB260;1	15.067	41715	0.40000	1.043E+05		
PCB260;2	15.338	43894	0.40000	1.097E+05		
PCB254;1	16.570	2726				

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PCB254;2	16.808	10895		
PCB260;3	17.196	75974	0.40000	1.899E+05
PCB260;4	17.472	37426	0.40000	9.356E+04
PCB254;3	17.671	15444		
PCB260;5	17.865	93972	0.40000	2.349E+05
PCB254;4	18.235	153373		
DBUCLE	22.005	338384	0.40000	8.460E+05

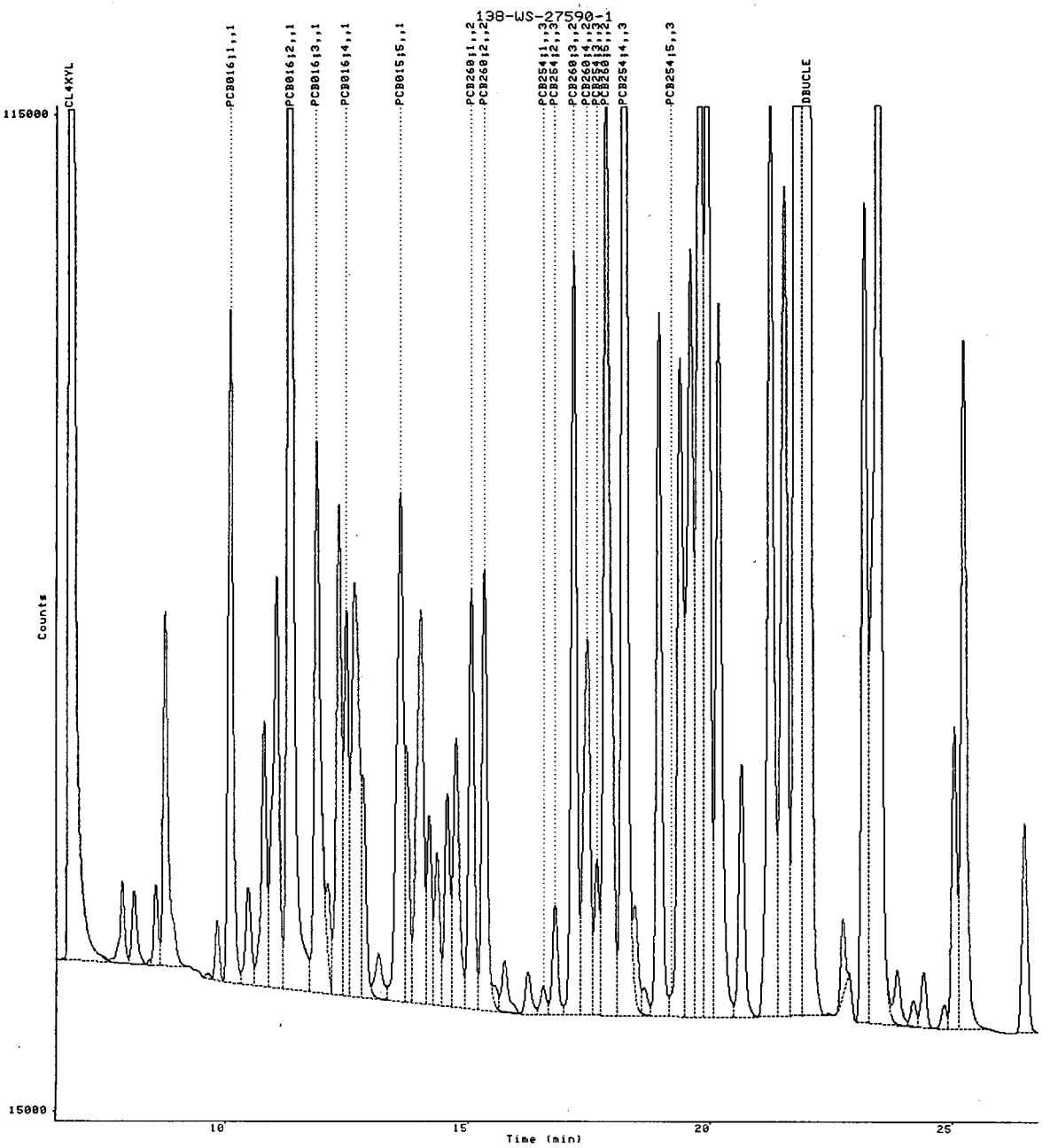
METHOD CALIBRATION CHANGES

Peak Name	Old R.T. (min)	New R.T. (min)	Old CF	New CF	% Rel. St. Dev.	N runs
CL4XYL	6.772	6.772	1.195E+06	1.195E+06		1
PCB016;1	10.100	10.100	1.682E+05	1.682E+05		1
PCB016;2	11.337	11.337	3.274E+05	3.274E+05		1
PCB016;3	11.879	11.879	1.377E+05	1.377E+05		1
PCB016;4	12.497	12.497	9.612E+04	9.612E+04		1
PCB015;5	13.603	13.603	1.265E+05	1.265E+05		1
PCB260;1	15.075	15.075	1.043E+05	1.043E+05		1
PCB260;2	15.349	15.349	1.097E+05	1.097E+05		1
PCB254;1	16.574	16.574				0
PCB254;2	16.806	16.806				0
PCB260;3	17.201	17.201	1.899E+05	1.899E+05		1
PCB260;4	17.477	17.477	9.356E+04	9.356E+04		1
PCB254;3	17.673	17.673				0
PCB260;5	17.864	17.864	2.349E+05	2.349E+05		1
PCB254;4	18.234	18.234				0
DBUCLE	22.012	22.012	8.460E+05	8.460E+05		1

ANALYSIS NOTES

1: ERROR in calibration data for Sample or Internal Std. peak. (145)
2: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326016.RAW;1
Report: 1197265431
Acquired: 14-NOV-1997 07:32:51
Time range: 6.50-26.75



$1660_2.0

0232

Date.....15-DEC-1997 16:56:36.10 User: TAYLORC
Report number.....1197265433
Raw file.....DISK:[TAYLORC]5697326002.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....17

Acq. date.....13-NOV-1997 22:58:46
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB221_2.0
Notes.....138-WS-27569-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....54
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.795	-1.38	0.4936 +	556125			BE	
	7.789			5691			EV	
	7.873			11135			EV	
	8.110			28250			VE	
	8.422			1884			EV	
	8.565			18910			VV	
	8.757			56104			VE	
	8.929			9706			EB	
	9.804			4017			BV	
PCB016;1	10.086	0.82	0.04736	10595			VB	1
	10.480			1011			BV	
	10.692			2800			VV	
	10.797			2102			VV	
	11.058			6046			VV	
PCB016;2	11.340	-0.16	0.03106	12750			VB	1

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PCB016;3	11.895	-0.94	0.03725	5578	BV	1
	12.348			4954	VV	
PCB016;4	12.491	0.37	0.02493	2792	VV	1
	12.796			6135	VB	
	13.117			624	BB	
PCB015;5	13.592	0.66	0.01499	2397	BV	1
	14.013			1118	VV	
	14.204			407	VV	
	14.361			1055	VV	
	14.575			2301	VV	
	14.768			2213	VV	
PCB260;1	15.075	0.03	0.02066	2799	VV	2
PCB260;2	15.345	0.23	0.02412	3359	VV	2
	15.585			1252	VV	
	15.767			1662	VB	
	16.257			1478	BV	
PCB254;1	16.578	-0.25	3.569E-03-	1501	VV	3
PCB254;2	16.813	-0.43	5.561E-03	2227	VV	3
	17.041			760	VV	
PCB260;3	17.210	-0.52	0.01653	4206	VB	2
PCB260;4	17.479	-0.15	3.355E-03	499	BB	2
PCB254;3	17.681	-0.45	5.072E-03	2222	BV	3
PCB260;5	17.872	-0.51	2.427E-03	932	VB	2
PCB254;4	18.245	-0.65	8.184E-03	1745	BB	3
	18.953			795	BB	
PCB254;5	19.219	-0.21	5.393E-03	1112	BV	3
	19.381			1349	VV	
	19.632			1552	VV	
	19.808			2763	VE	
	20.187			330	EB	
	20.765			1478	BV	
	21.232			1139	VV	
	21.529			476	VB	
DBUCLE	22.012	-0.02	0.4601 +	374556	BB	
	23.193			299	BB	
	23.476			363	BB	
	24.200			2236	BB	
	25.238			147	BB	
	29.911			232	BB	

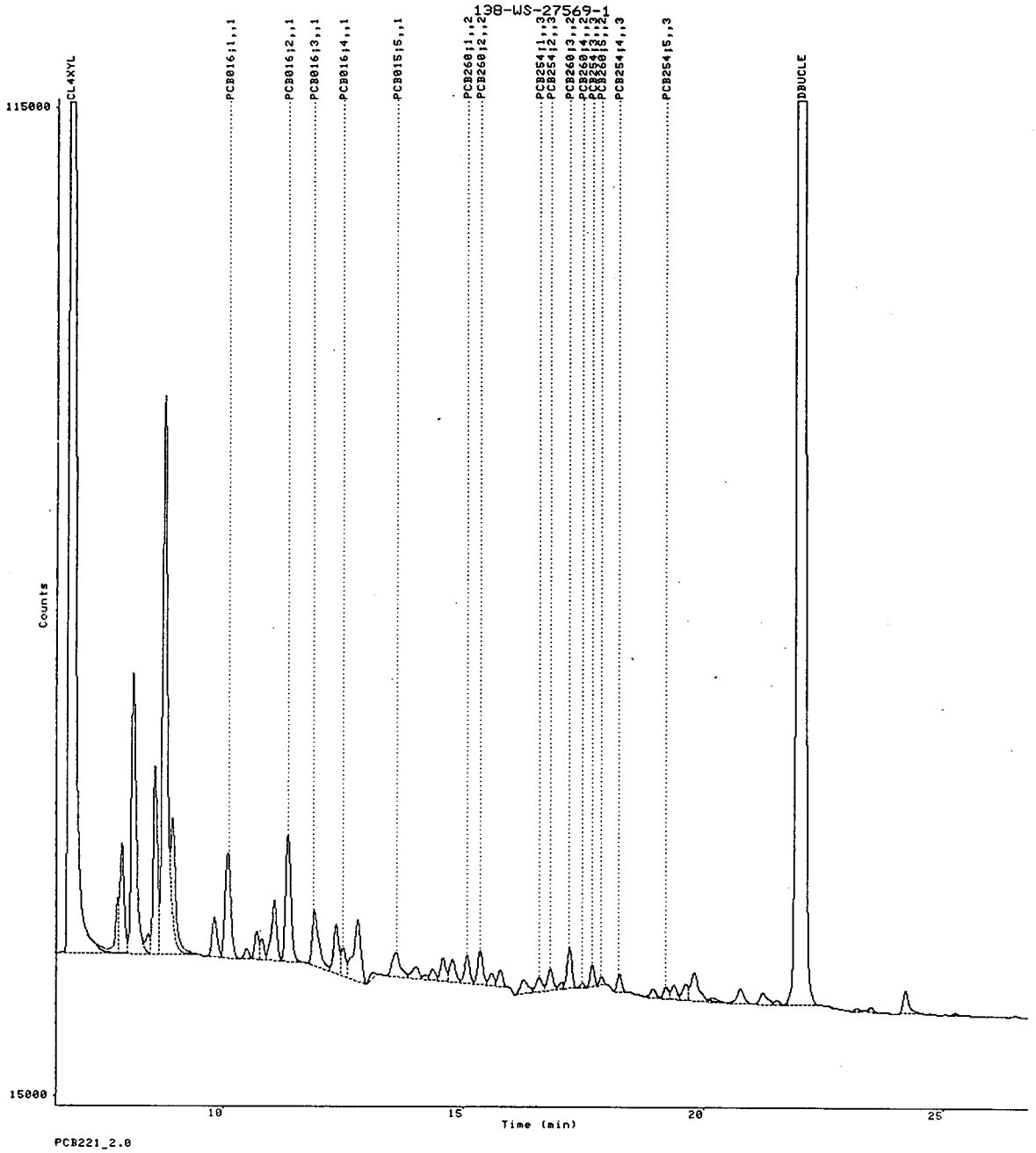
GROUP REPORT

Group	UG/ML
1	0.1556
2	6.710E-02
3	2.778E-02

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326002.RAW;1
Report: 1197265433
Acquired: 13-NOV-1997 22:58:46
Time range: 6.50-26.75



0235

Date.....15-DEC-1997 16:56:49.74 User: TAYLORC
Report number.....1197265434
Raw file.....DISK:[TAYLORC]5697326003.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....17

Acq. date.....13-NOV-1997 23:35:29
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB232_2.0
Notes.....138-WS-27570-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....59
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.795	-1.36	0.3682	447911		BE	
	7.622			546		EV	
	7.872			8226		EV	
	8.109			13465		EB	
	8.564			10290		BV	
	8.756			36504		VE	
	8.927			4191		EB	
	9.645			637		BV	
	9.823			3724		VB	
PCB016;1	10.099	0.08	0.1644	33102		BB	1
	10.469			4635		BV	
	10.801			11319		VV	
	11.054			22452		VV	
PCB016;2	11.332	0.31	0.1628	61592		VV	1
PCB016;3	11.885	-0.36	0.1768	25649		VE	1

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	12.105			2686	EV	
	12.340			21704	VV	
PCB016;4	12.492	0.27	0.1403	15309	VV	1
	12.781			26773	VE	
	13.080			1228	EB	
PCB015;5	13.602	0.04	0.1011	14888	BB	1
	13.897			8866	BB	
	14.200			3822	BV	
	14.356			10006	VV	
	14.567			19827	VV	
	14.762			25418	VV	
PCB260;1	15.070	0.32	0.03612	4593	VB	2
PCB260;2	15.340	0.55	0.04254	5864	BV	2
	15.578			3276	VV	
	15.762			25058	VB	
	16.277			2479	BV	
PCB254;1	16.576	-0.10	0.02229	4104	VV	3
PCB254;2	16.809	-0.19	0.01724	4994	VV	3
	17.046			4293	VV	
PCB260;3	17.205	-0.24	0.03212	7990	VE	2
PCB260;4	17.470	0.39	0.01089	1387	EV	2
PCB254;3	17.677	-0.27	0.01308	5327	VV	3
PCB260;5	17.865	-0.07	4.097E-03	1459	VV	2
	18.032			2382	VV	
PCB254;4	18.241	-0.45	8.086E-03	1723	VB	3
	18.912			1444	BB	
PCB254;5	19.210	0.30	0.01834	3797	BE	3
	19.377			569	EB	
	19.628			569	BV	
	19.812			1203	VB	
	20.166			544	BB	
	20.403			51	BB	
	20.761			1530	BV	
	21.224			3548	VV	
	21.538			1538	VV	
DBUCLE	22.009	0.21	0.3330	295225	VB	
	22.559			559	BB	
	23.196			1189	BV	
	23.476			1519	VB	
	24.195			1647	BB	
	25.034			293	BV	
	25.233			663	VB	
	26.490			160	BB	
	29.903			134	BB	

GROUP REPORT

Group	UG/ML
1	0.7454
2	0.1258
3	7.904E-02

ANALYSIS NOTES

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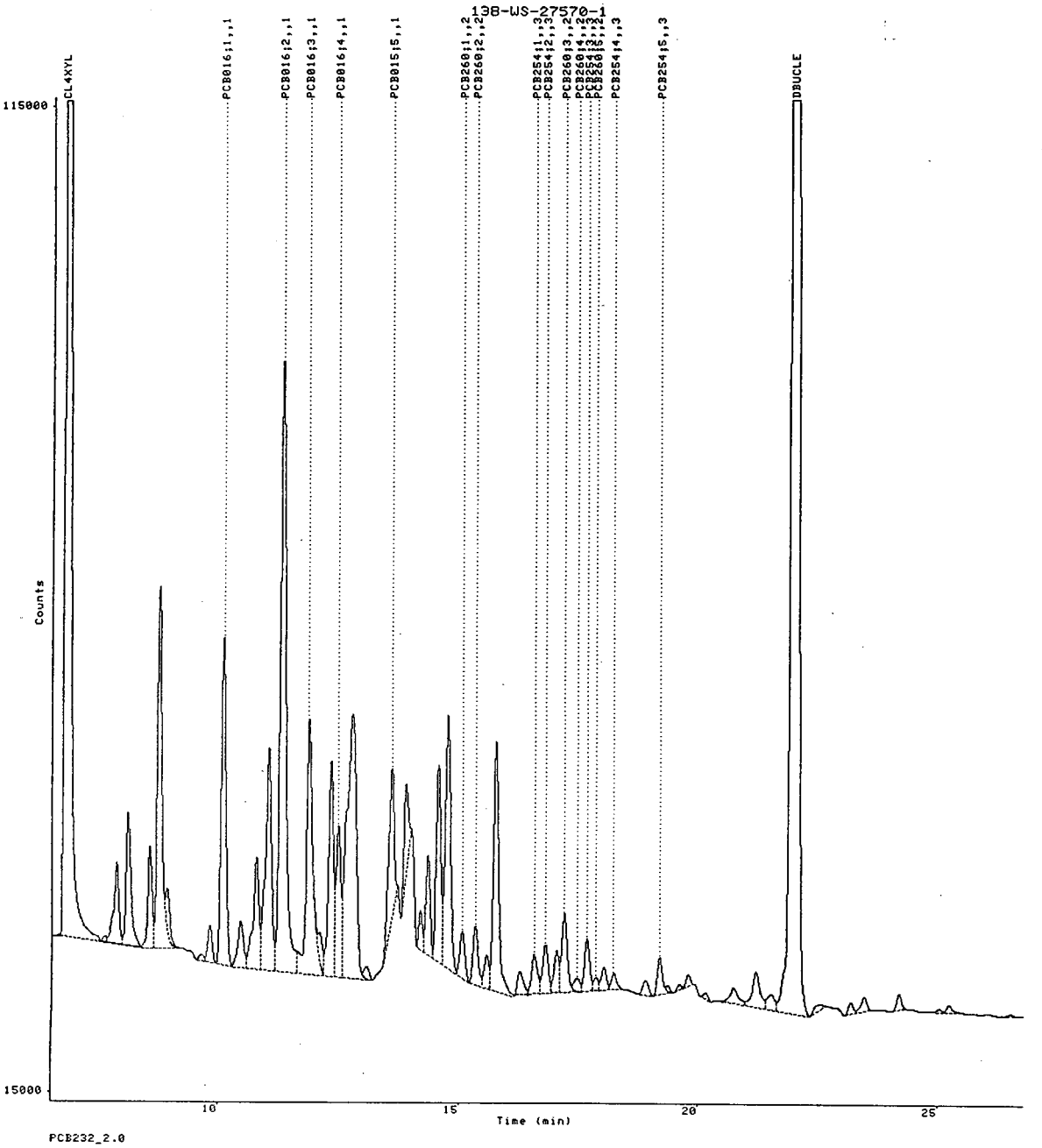
1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326003.RAW;1
Report: 1197265434
Acquired: 13-NOV-1997 23:35:29
Time range: 6.50-26.75



0238

Date.....15-DEC-1997 16:57:03.44 User: TAYLORC
Report number.....1197265435
Raw file.....DISK:[TAYLORC]5697326004.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....17

Acq. date.....14-NOV-1997 00:12:15
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB242_2.0
Notes.....138-WS-27571-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.628			1271		BV	
CL4XYL	6.795	-1.35	0.2504	325928		VE	
	7.254			592		EB	
	7.671			17399		BV	
	7.869			6616		VV	
	8.113			4917		VV	
	8.221			14001		VB	
	8.427			193		BV	
	8.560			5093		VV	
	8.753			22790		VE	
	9.108			686		EB	
	9.520			385		BV	
	9.645			1026		VB	
	9.827			2804		BB	
PCB016;1	10.097	0.18	0.1933	38122		BE	1

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	10.469			4577	EV	
	10.797			11626	VV	
	11.053			45937	VV	
PCB016;2	11.327	0.60	0.1838	68691	VE	1
	11.698			2278	EV	
PCB016;3	11.880	-0.05	0.1905	27564	VE	1
	12.124			3241	EV	
	12.334			23606	VV	
PCB016;4	12.490	0.41	0.1467	15960	VV	1
	12.672			18214	VE	
	13.063			468	EV	
	13.160			530	EB	
	13.316			365	BV	
PCB015;5	13.601	0.12	0.1576	22512	VV	1
	13.723			10792	VV	
	14.021			18762	VV	
	14.193			8972	VV	
	14.349			16737	VV	
	14.561			26480	VV	
	14.757			31023	VV	
PCB260;1	15.067	0.50	0.04952	6133	VB	2
PCB260;2	15.339	0.60	0.05719	7817	BV	2
	15.575			4827	VV	
	15.756			27958	VE	
	16.243			4169	EV	
PCB254;1	16.574	-0.02	0.02911	5038	VV	3
PCB254;2	16.800	0.35	0.02286	6311	VV	3
	17.041			5787	VV	
PCB260;3	17.246	-2.67	0.3057	62616	VE	2
PCB260;4	17.452	1.51	7.071E-03	938	EV	2
PCB254;3	17.669	0.25	0.02288	9091	VE	3
PCB260;5	17.857	0.43	1.776E-03-	726	EV	2
	18.029			3507	VE	
PCB254;4	18.227	0.40	3.707E-03-	737	EV	3
	18.346			854	EV	
	18.543			277	VB	
	18.857			1040	BB	
PCB254;5	19.214	0.08	0.03232	6657	BV	3
	19.379			2493	VV	
	19.824			10332	VE	
	20.093			1056	EV	
	20.398			1821	EV	
	20.583			2294	VV	
	20.757			3019	VV	
	21.205			5407	VB	
DBUCLE	22.008	0.25	0.2175	207280	BE	
	22.343			2684	EB	
	23.240			3139	BV	
	23.611			3515	VV	
	23.856			6005	VV	
	24.190			53203	VV	
	24.502			14568	VV	
	24.863			14739	VV	
	25.011			17463	VV	
	25.373			19936	VV	
	25.651			12468	VV	
	25.853			6541	VV	
	26.024			7575	VV	
	26.382			1977	VV	
	26.579			3373	VV	

26.768	2009	VB
27.304	248	BB
27.613	445	BB
28.041	357	BB
28.871	539	BV
29.015	420	VB
29.433	810	BB
29.878	239	BB
30.326	1836	BB

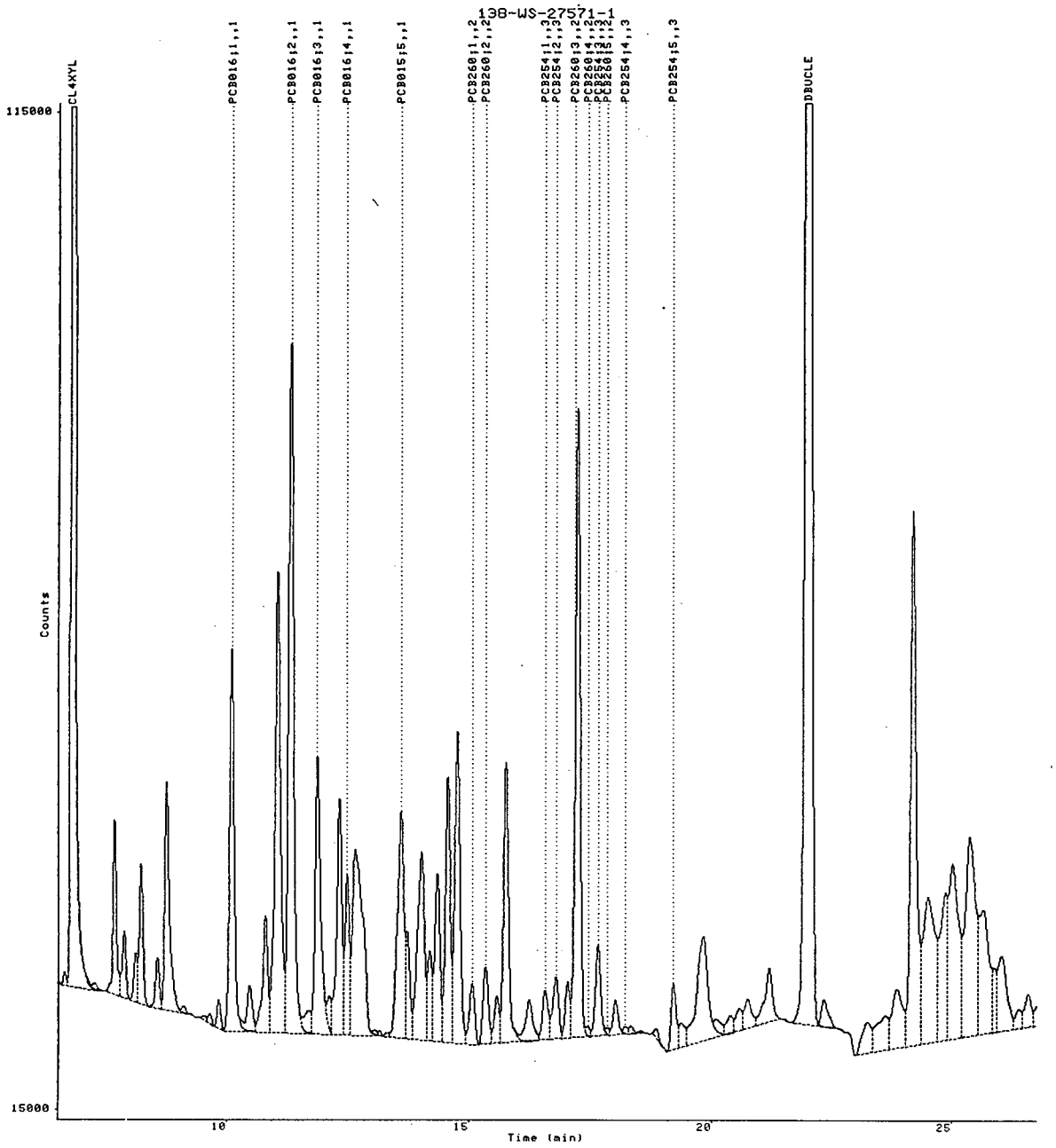
GROUP REPORT

Group	UG/ML
1	0.8718
2	0.4212
3	0.1109

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326004.RAW;1
Report: 1197265435
Acquired: 14-NOV-1997 00:12:15
Time range: 6.50-26.75



PCB242_2.0

Date.....15-DEC-1997 16:57:17.85 User: TAYLORC
Report number.....1197265436
Raw file.....DISK:[TAYLORC]5697326005.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....17

Acq. date.....14-NOV-1997 00:49:00
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PCB248_2.0
Notes.....138-WS-27572-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

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EXTERNAL STANDARD ANALYSIS

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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.617			125		BV	
CL4XYL	6.796	-1.44	0.2283	300777		VB	
	7.673			87		BB	
	7.876			4317		BB	
	8.423			769		BB	
	8.762			1444		BB	
	9.828			751		BB	
PCB016;1	10.102	-0.13	0.09197	19589		BE	1
	10.461			1378		EV	
	10.801			8984		VV	
	11.056			8282		VV	
PCB016;2	11.335	0.13	0.1611	60992		VV	1
PCB016;3	11.887	-0.51	0.1200	17589		VV	1
	12.114			6662		VV	
	12.343			16713		VV	

PCB016;4	12.493	0.23	0.3016	30376	VV	1
	12.670			33135	VV	
	12.839			13998	VB	
	13.173			3650	BB	
PCB015;5	13.606	-0.21	0.1951	27324	BB	1
	14.024			30947	BV	
	14.198			9413	VV	
	14.356			30258	VV	
	14.567			45964	VV	
	14.764			55739	VE	
PCB260;1	15.070	0.30	0.1044	12289	EV	2
PCB260;2	15.343	0.39	0.1287	16856	VV	2
	15.585			11399	VV	
	15.764			52738	VB	
	16.250			8317	BV	
PCB254;1	16.577	-0.17	0.07128	10642	VV	3
PCB254;2	16.809	-0.20	0.05392	13449	VV	3
	17.039			13338	VV	
PCB260;3	17.205	-0.25	0.1051	24749	VE	2
PCB260;4	17.472	0.33	0.02409	2927	EV	2
PCB254;3	17.674	-0.09	0.05592	21480	VE	3
PCB260;5	17.785	4.74	6.574E-04-	372	EV	2
	18.030			7090	VV	
PCB254;4	18.243	-0.55	0.02032	4457	VB	3
	18.959			1730	BV	
PCB254;5	19.212	0.18	0.08699	17434	VE	3
	19.607			2736	EV	
	19.799			6037	VV	
	19.943			3013	VV	
	20.188			1756	VV	
	20.757			1019	VB	
	21.256			2447	BV	
	21.534			2462	VV	
	21.823			9128	VV	
DBUCLE	22.008	0.23	0.2333	220223	VB	
	23.197			2305	BV	
	23.476			4686	VB	
	24.198			3611	BB	
	25.038			909	BV	
	25.234			3054	VE	
	25.628			547	EB	
	26.484			550	BB	
	30.245			3023	BB	

GROUP REPORT

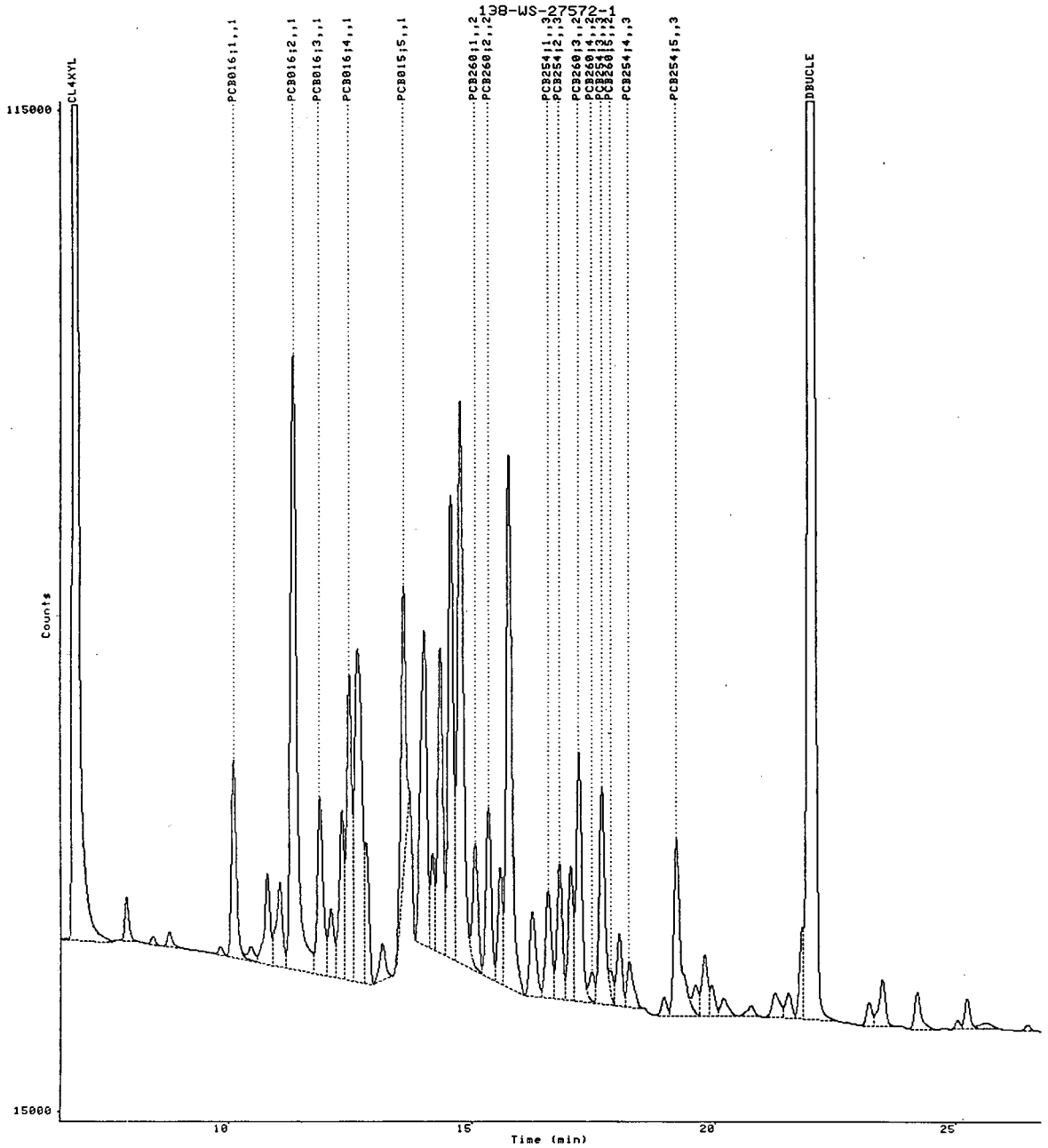
Group	UG/ML
1	0.8697
2	0.3630
3	0.2884

ANALYSIS NOTES

0244

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326005.RAW;1
Report: 1197265436
Acquired: 14-NOV-1997 00:49:00
Time range: 6.50-26.75



PCB248_2.0

0245

Date.....15-DEC-1997 16:57:31.51 User: TAYLORC
Report number.....1197265437
Raw file.....DISK:[TAYLORC]5697326011.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....23

Acq. date.....14-NOV-1997 04:29:06
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....ICV1254_1.0
Notes.....138-WS-27533

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....48
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
6.77	CL4XYL			
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	9.279			6576			BB	
PCB016;1	10.103	-0.20	7.959E-04-	664			BB	1
	10.795			145			BB	
	11.054			280			BB	
PCB016;2	11.338	-0.06	3.974E-03	1823			BB	1
PCB016;3	11.890	-0.67	1.843E-03-	333			BV	1
	12.115			485			VV	

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PCB016;4	12.496	0.07	0.1909	20338	VV	1
	12.641			7328	VB	
	13.165			279	BB	
PCB015;5	13.611	-0.46	0.08921	13221	BV	1
	14.033			5922	VV	
	14.362			5687	VV	
	14.571			19950	VV	
	14.767			8555	VV	
PCB260;1	15.072	0.19	0.4047 +	41818	VV	2
PCB260;2	15.341	0.50	0.5118 +	51104	VV	2
	15.584			20526	VV	
	15.768			6676	VB	
	16.246			15887	BV	
PCB254;1	16.575	-0.05	0.1492	20232	VV	3
PCB254;2	16.809	-0.18	0.1604	36018	VV	3
	17.034			13062	VV	
PCB260;3	17.204	-0.19	0.3736	72724	VE	2
PCB260;4	17.475	0.13	0.1551	17033	EV	2
PCB254;3	17.675	-0.14	0.1615	57990	VV	3
PCB260;5	17.862	0.12	0.1091	32338	VV	2
	17.992			19144	VV	
PCB254;4	18.238	-0.26	0.2244	45793	VE	3
	18.449			4137	EV	
	18.650			2592	EV	
	18.955			18197	VV	
PCB254;5	19.213	0.10	0.1435	27901	VV	3
	19.373			30765	VV	
	19.600			27702	VV	
	19.796			61796	VE	
	20.260			11631	EV	
	20.648			1280	VB	
	21.357			19274	BV	
	21.520			21218	VV	
	21.813			22075	VB	
	23.211			3221	BV	
	23.474			13184	VE	
	23.860			748	EB	
	24.198			1112	BB	
	25.039			496	BV	
	25.234			1045	VB	
	27.577			374	BB	

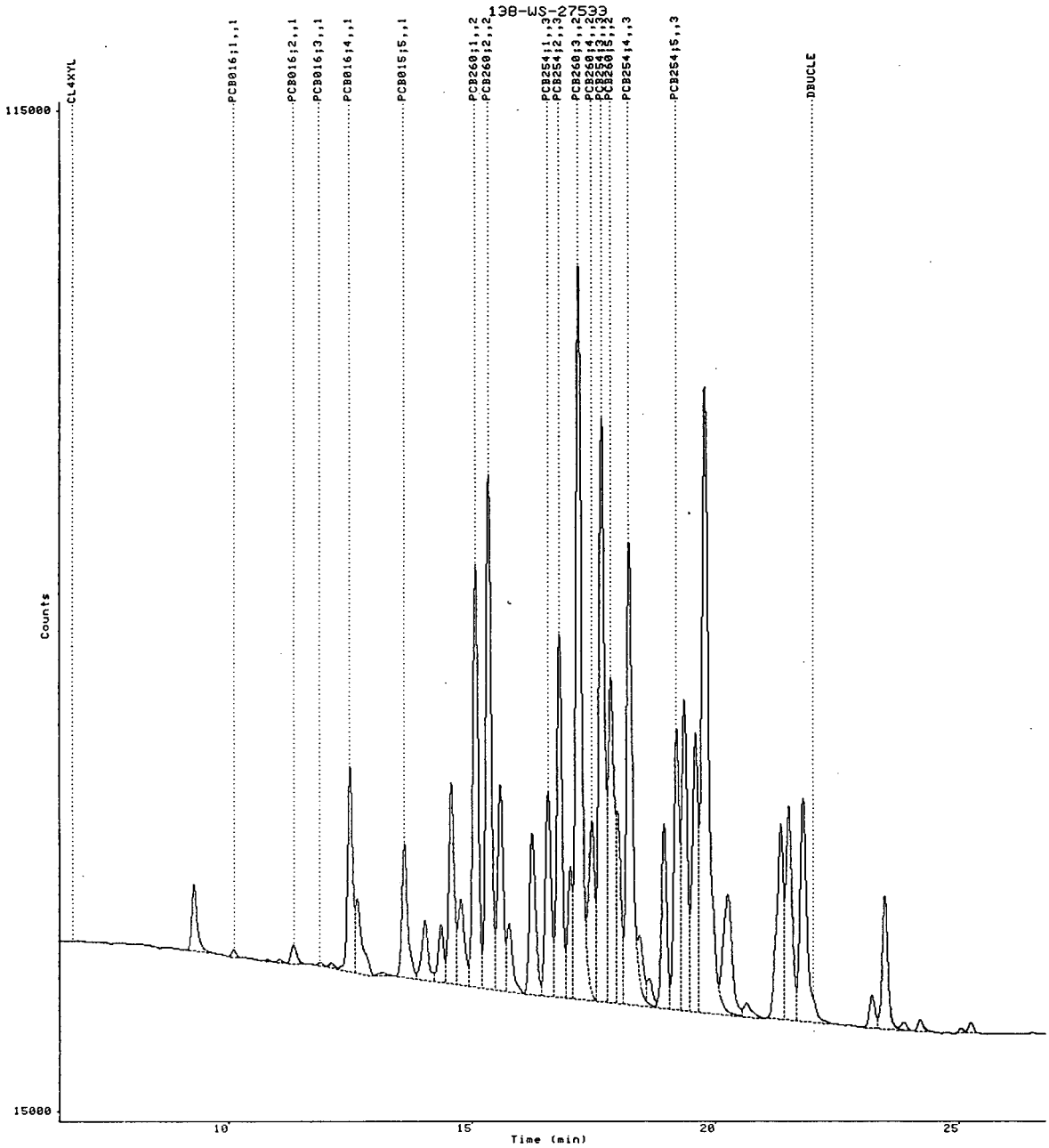
GROUP REPORT

Group	UG/ML
1	0.2867
2	1.554
3	0.8390

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326011.RAW;1
Report: 1197265437
Acquired: 14-NOV-1997 04:29:06
Time range: 6.50-26.75



ICV1254_1.0

0248

Date.....15-DEC-1997 16:57:45.18 User: TAYLORC
Report number.....1197265438
Raw file.....DISK:[TAYLORC]5697327017.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....22

Acq. date.....14-NOV-1997 08:09:34
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....ICV_1660_1.0
Notes.....138-WS-27589-1

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....74
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
16.57	PCB254;1	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.649			181			BV	
CL4XYL	6.796	-1.45	5.615E-03	9281			VB	
	7.135			89			BB	
	7.457			285			BV	
	7.668			1888			VV	
	7.781			2332			VV	
	7.865			3013			VV	

0249

	8.111			10524	VB	
	8.563			9456	BV	
	8.755			33090	VB	
	9.649			641	BV	
	9.826			4132	VV	
PCB016;1	10.100	-0.00	0.2818	52162	VB	1
	10.470			7350	BV	
	10.798			15732	VV	
	11.057			32839	VV	
PCB016;2	11.329	0.49	0.2361	85657	VE	1
	11.679			3970	EV	
PCB016;3	11.882	-0.19	0.2428	34806	VV	1
	12.337			28394	VV	
PCB016;4	12.491	0.37	0.2000	21217	VV	1
	12.665			24681	VV	
	12.839			11336	VB	
	13.082			137	BB	
PCB015;5	13.602	0.09	0.2068	28783	BV	1
	13.718			13481	VV	
	14.014			21348	VV	
	14.197			10063	VV	
	14.332			11911	VV	
	14.563			7754	VV	
	14.740			12935	VV	
	14.925			6237	VV	
PCB260;1	15.062	0.79	0.1559	17861	VV	2
PCB260;2	15.336	0.75	0.1483	19176	VV	2
	15.539			13533	VE	
	15.753			2749	EV	
	16.064			361	VB	
	16.261			476	BB	
PCB254;2	16.715	5.48	0.04416	11234	BV	3
PCB260;3	17.196	0.32	0.1990	43971	VV	2
PCB260;4	17.471	0.36	0.2003	21413	VV	2
PCB254;3	17.668	0.29	0.01708	6866	VV	3
PCB260;5	17.865	-0.05	0.2106	57885	VV	2
PCB254;4	18.234	0.02	0.5466 +	94655	VE	3
	18.456			5099	EV	
	18.950			39905	VB	
	19.390			41066	BV	
	19.597			45861	VV	
	19.789			72009	VV	
	19.945			88722	VV	
	20.175			49904	VV	
	20.648			20868	VV	
	21.250			68846	VV	
	21.538			56029	VV	
	21.805			201998	VE	
DBUCLE	22.006	0.33	8.839E-03	10155	EV	
	22.333			1822	VV	
	22.483			2470	VV	
	22.749			9583	VB	
	23.191			59458	BV	
	23.469			95685	VE	
	23.855			5624	EV	
	24.189			132057	VE	
	24.830			6068	EV	
	25.033			27837	EV	
	25.226			55382	VE	
	25.646			2665	EV	

26.049	1273	EB
26.479	10398	BB
27.322	215	BV
27.573	7464	VB
28.032	107	BB
29.432	334	BB
30.343	736	BB

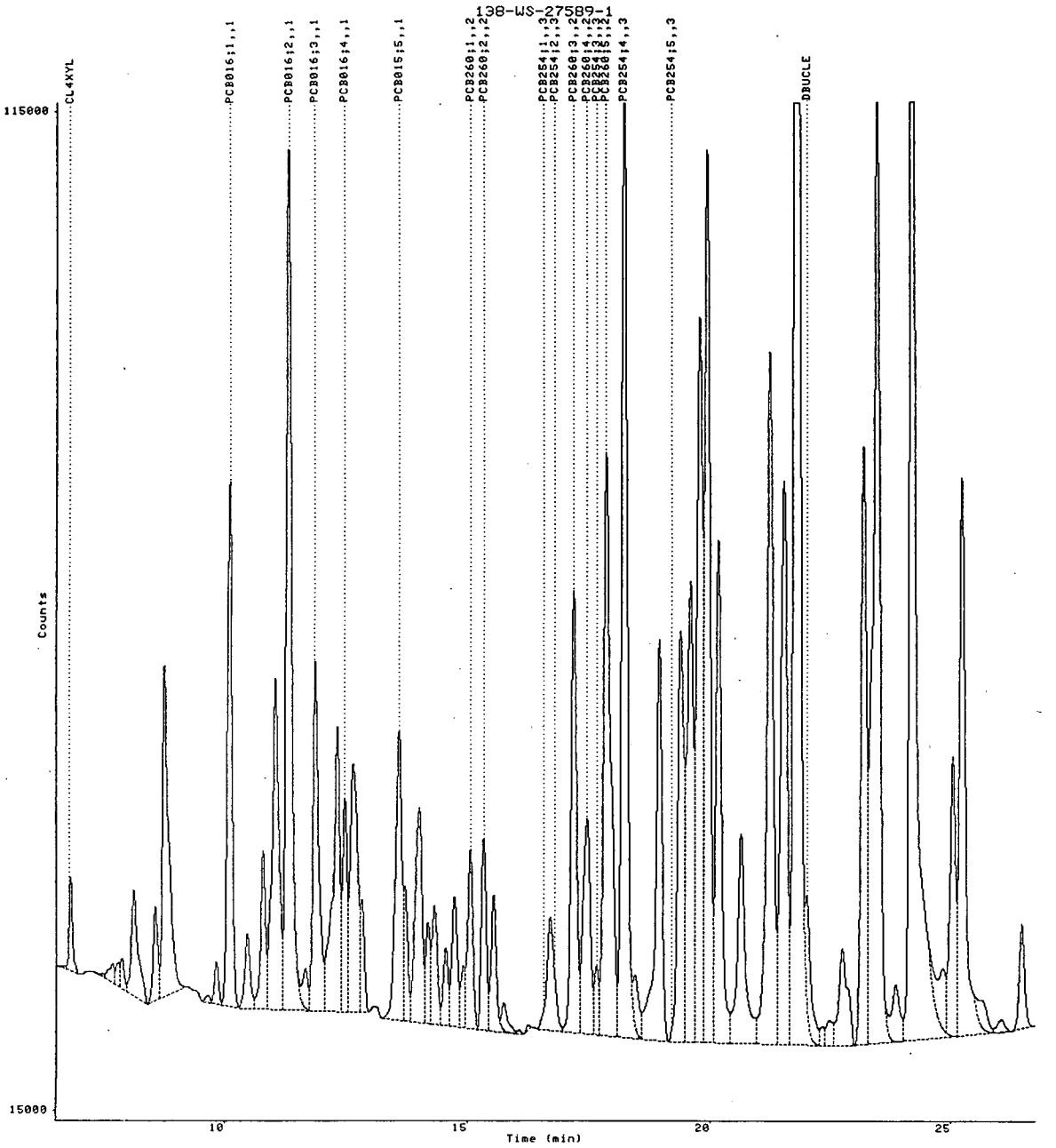
GROUP REPORT

Group	UG/ML
1	1.167
2	0.9141
3	0.6079

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697327017.RAW;1
Report: 1197265438
Acquired: 14-NOV-1997 08:09:34
Time range: 6.50-26.75



ICV_1660_1.0

0252

Date.....15-DEC-1997 16:57:59.47 User: TAYLORC
Report number.....1197265439
Raw file.....DISK:[TAYLORC]5697327018.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....8

Acq. date.....22-NOV-1997 12:04:04
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.817	-2.70	0.1701	231446			BE	
	7.896			4201			EV	
	8.138			3738			EV	
	8.444			944			EV	
	8.587			3850			EV	
	8.782			17230			VB	
	9.835			2970			BV	
PCB016;1	10.113	-0.79	0.1868	37009			VE	1

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	10.485			4832	EV	
	10.814			14508	VV	
	11.066			22621	VV	
PCB016;2	11.359	-1.35	0.1805	67585	VV	1
PCB016;3	11.912	-1.97	0.1973	28519	VV	1
	12.364			25306	VV	
PCB016;4	12.505	-0.49	0.2169	22819	VV	1
	12.687			24726	VV	
	12.859			11444	VV	
	13.178			3773	VV	
PCB015;5	13.620	-1.03	0.1997	27908	VV	1
	14.037			23224	VV	
	14.202			11061	VV	
	14.379			8202	VV	
	14.593			11023	VV	
	14.760			13623	VV	
PCB260;1	15.080	-0.32	0.2011	22568	VV	2
PCB260;2	15.359	-0.62	0.1785	22650	VE	2
	15.782			2563	EB	
	16.256			2485	BV	
PCB254;1	16.588	-0.83	1.721E-03-	1241	VV	3
PCB254;2	16.827	-1.25	0.01716	4974	VV	3
PCB260;3	17.216	-0.89	0.1514	34553	VV	2
PCB260;4	17.488	-0.65	0.1715	18652	VV	2
PCB254;3	17.703	-1.80	0.01335	5433	VV	3
PCB260;5	17.882	-1.10	0.1607	45856	VV	2
PCB254;4	18.264	-1.81	0.2983	58780	VB	3
	18.978			28206	BV	
	19.401			29699	VV	
	19.626			31194	VV	
	19.817			52505	VV	
	19.966			48630	VV	
	20.202			26807	VV	
	20.674			9564	VB	
	21.273			38480	BV	
	21.558			34017	VV	
	21.837			112440	VV	
DBUCLE	22.015	-0.21	0.1757	171735	VB	
	22.764			3454	BV	
	22.891			1748	VV	
	23.215			33805	VV	
	23.494			53916	VE	
	23.898			1830	EB	
	24.421			2032	BB	
	24.853			845	BV	
	25.056			12107	VV	
	25.257			28902	VB	
	26.504			8316	BB	
	27.597			1156	BB	
	28.469			289	BB	

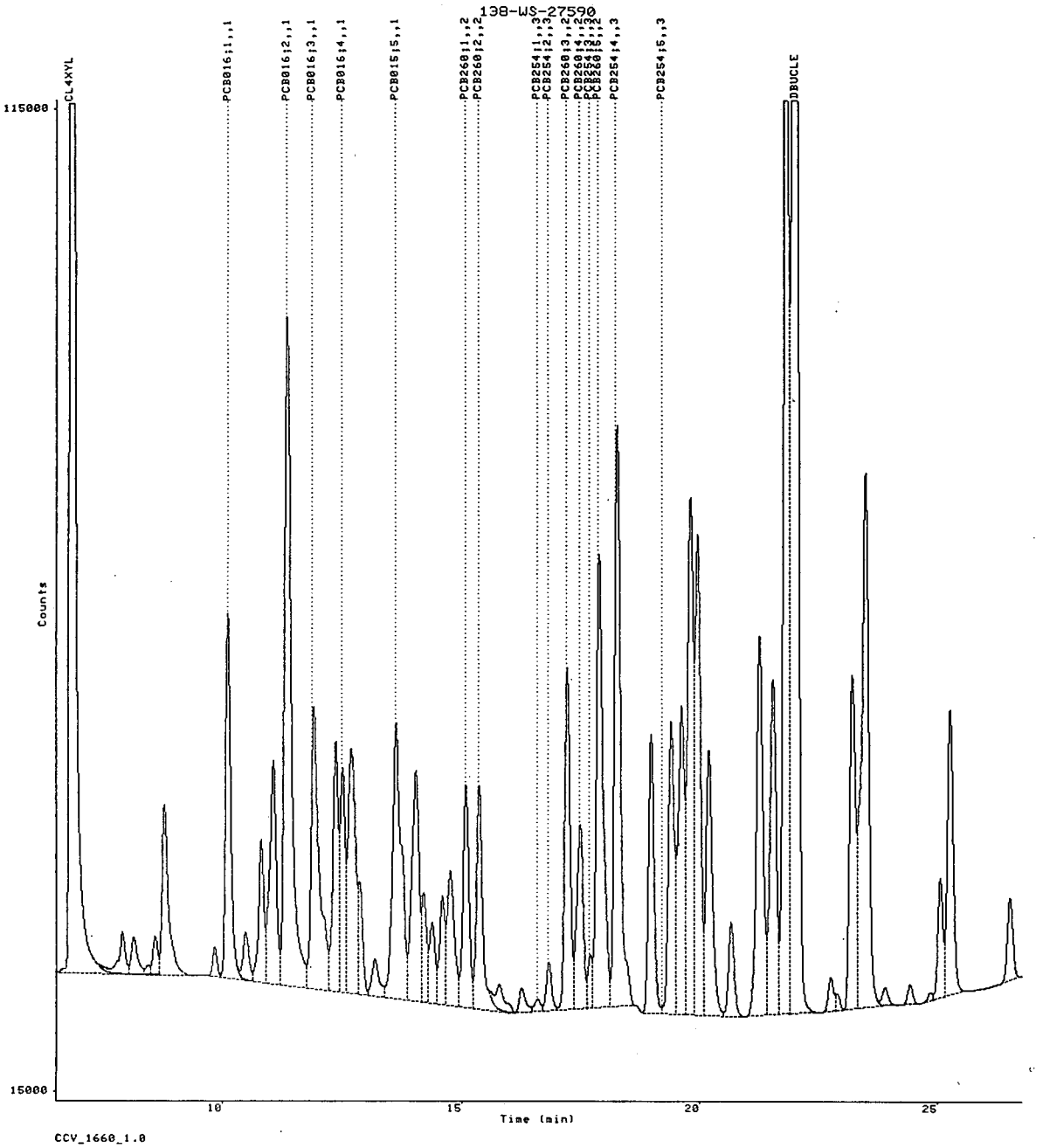
GROUP REPORT

Group	UG/ML
1	0.9812
2	0.8632
3	0.3305

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697327018.RAW;1
Report: 1197265439
Acquired: 22-NOV-1997 12:04:04
Time range: 6.50-26.75



0256

Date.....15-DEC-1997 17:00:29.82 User: TAYLORC
Report number.....1197265450
Raw file.....DISK:[TAYLORC]5697326027.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....9

Acq. date.....22-NOV-1997 18:48:13
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....57
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.05	0.1732	235232			BE	
	7.886			3518			EV	
	8.125			3321			EV	
	8.429			820			EV	
	8.574			3422			EV	
	8.769			16341			VB	
	9.820			2809			BV	
PCB016;1	10.099	0.04	0.1843	36577			VE	1

0257

	10.471			4912	EV	
	10.798			14523	VV	
	11.051			22522	VV	
PCB016;2	11.345	-0.46	0.1784	66895	VV	1
PCB016;3	11.896	-1.03	0.1947	28150	VV	1
	12.348			24981	VV	
PCB016;4	12.488	0.55	0.2219	23290	VV	1
	12.672			25271	VV	
	12.840			11947	VB	
	13.164			3959	BV	
PCB015;5	13.604	-0.09	0.2001	27956	VV	1
	14.021			23370	VV	
	14.186			11190	VV	
	14.364			8050	VV	
	14.579			10651	VV	
	14.742			13470	VV	
PCB260;1	15.062	0.77	0.2076	23233	VV	2
PCB260;2	15.341	0.47	0.1810	22930	VE	2
	15.762			1969	EB	
	16.241			3096	BV	
PCB254;1	16.569	0.28	6.591E-03	1925	VV	3
PCB254;2	16.808	-0.12	0.02101	5879	VV	3
PCB260;3	17.197	0.24	0.1661	37529	VV	2
PCB260;4	17.467	0.58	0.1906	20490	VV	2
PCB254;3	17.687	-0.83	0.01454	5889	VV	3
PCB260;5	17.864	-0.01	0.1774	49994	VV	2
PCB254;4	18.245	-0.68	0.3206	62490	VB	3
	18.958			30784	BV	
	19.381			32940	VV	
	19.606			34141	VV	
	19.800			57956	VV	
	19.947			54217	VV	
	20.182			29725	VV	
	20.655			10855	VB	
	21.252			42258	BV	
	21.538			37256	VV	
	21.816			120586	VV	
DBUCLE	21.995	1.00	0.1914	185294	VB	
	22.742			3799	BV	
	22.869			1941	VB	
	23.192			36966	BV	
	23.472			57839	VE	
	23.876			1984	EB	
	24.398			2256	BB	
	24.829			927	BV	
	25.035			12953	VV	
	25.235			31219	VB	
	26.481			9002	BB	
	27.571			1297	BB	

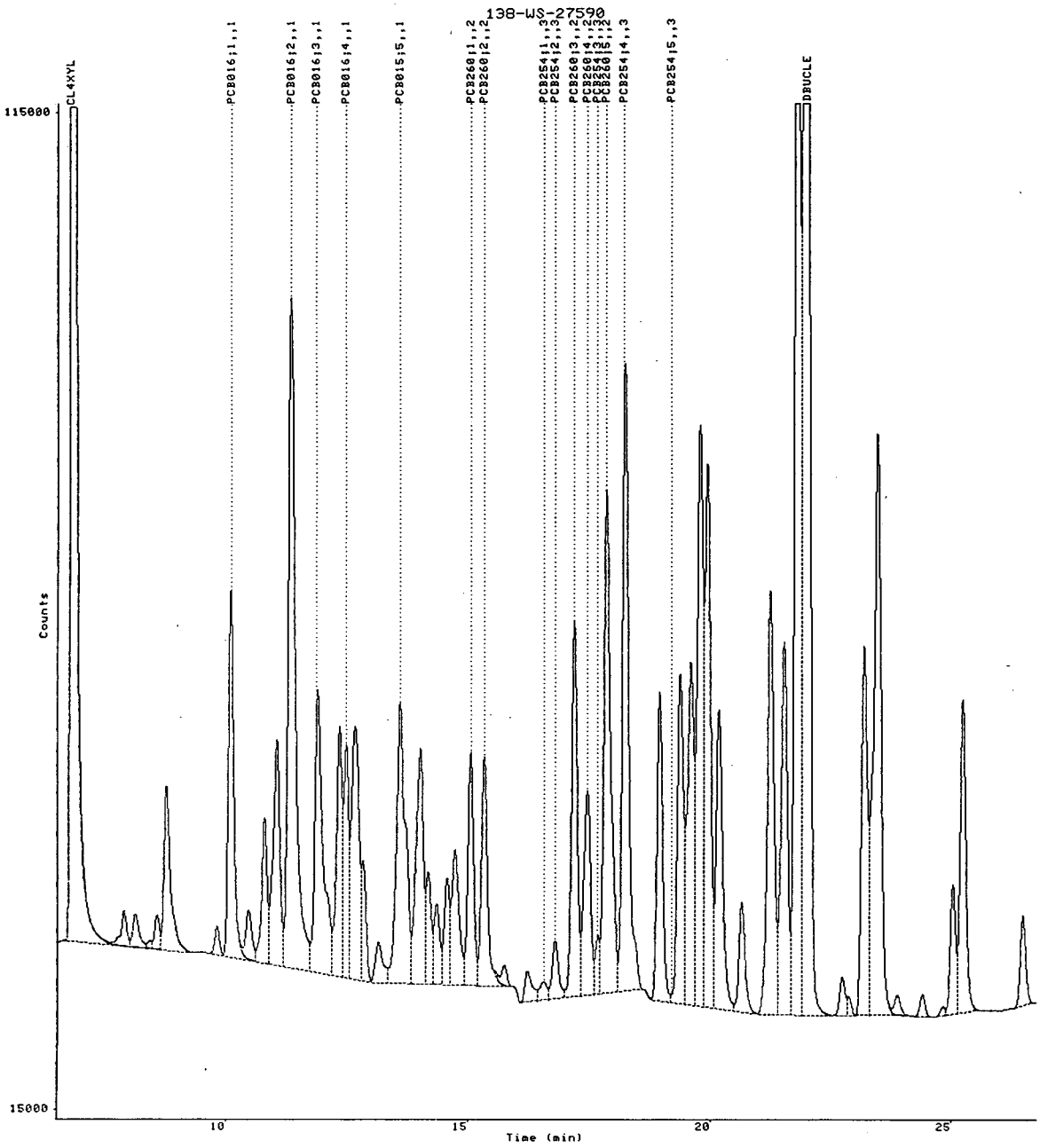
GROUP REPORT

Group	UG/ML
1	0.9794
2	0.9226
3	0.3627

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326027.RAW;1
Report: 1197265450
Acquired: 22-NOV-1997 18:48:13
Time range: 6.50-26.75



CCV_1660_1.0

0260

Date.....15-DEC-1997 17:02:58.35 User: TAYLORC
Report number.....1197265461
Raw file.....DISK:[TAYLORC]5697326038.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....8

Acq. date.....23-NOV-1997 01:32:19
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....57
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
19.22	PCB254;5	3	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.617			59		BV	
CL4XYL	6.806	-2.03	0.1694	230533		VE	
	7.886			3610		EV	
	8.126			3330		EV	
	8.427			823		EV	
	8.575			3365		EV	
	8.771			15768		VB	
	9.820			2782		BV	

0261

PCB016;1	10.099	0.03	0.1817	36143	VE	1
	10.471			4670	EV	
	10.798			13964	VV	
	11.051			21856	VV	
PCB016;2	11.347	-0.58	0.1708	64324	VV	1
PCB016;3	11.898	-1.14	0.1843	26704	VV	1
	12.350			23750	VV	
PCB016;4	12.489	0.49	0.2137	22521	VV	1
	12.673			24373	VV	
	12.841			11188	VV	
	13.162			3259	VV	
PCB015;5	13.606	-0.18	0.1890	26562	VV	1
	14.022			22626	VV	
	14.186			10574	VV	
	14.365			7336	VV	
	14.579			10101	VV	
	14.742			13084	VV	
PCB260;1	15.063	0.71	0.2038	22843	VV	2
PCB260;2	15.342	0.41	0.1790	22707	VE	2
	15.763			1867	EB	
	16.238			2490	BV	
PCB254;1	16.570	0.26	1.246E-03-	1174	VV	3
PCB254;2	16.809	-0.16	0.01788	5143	VV	3
PCB260;3	17.197	0.26	0.1617	36637	VV	2
PCB260;4	17.468	0.54	0.1888	20321	VV	2
PCB254;3	17.687	-0.83	0.01345	5468	VV	3
PCB260;5	17.863	0.04	0.1773	49972	VV	2
PCB254;4	18.246	-0.72	0.3229	62876	VB	3
	18.958			31189	BV	
	19.380			33945	VV	
	19.608			35458	VV	
	19.800			59449	VV	
	19.945			56357	VV	
	20.181			30987	VV	
	20.654			11518	VB	
	21.251			44574	BV	
	21.538			39270	VV	
	21.816			125351	VV	
DBUCLE	21.994	1.10	0.2000	192698	VB	
	22.740			2892	BB	
	23.193			37979	BV	
	23.471			59645	VE	
	23.874			2088	EB	
	24.397			2360	BB	
	24.827			1003	BV	
	25.032			13689	VV	
	25.235			32129	VB	
	26.480			9488	BB	
	27.567			1428	BB	

GROUP REPORT

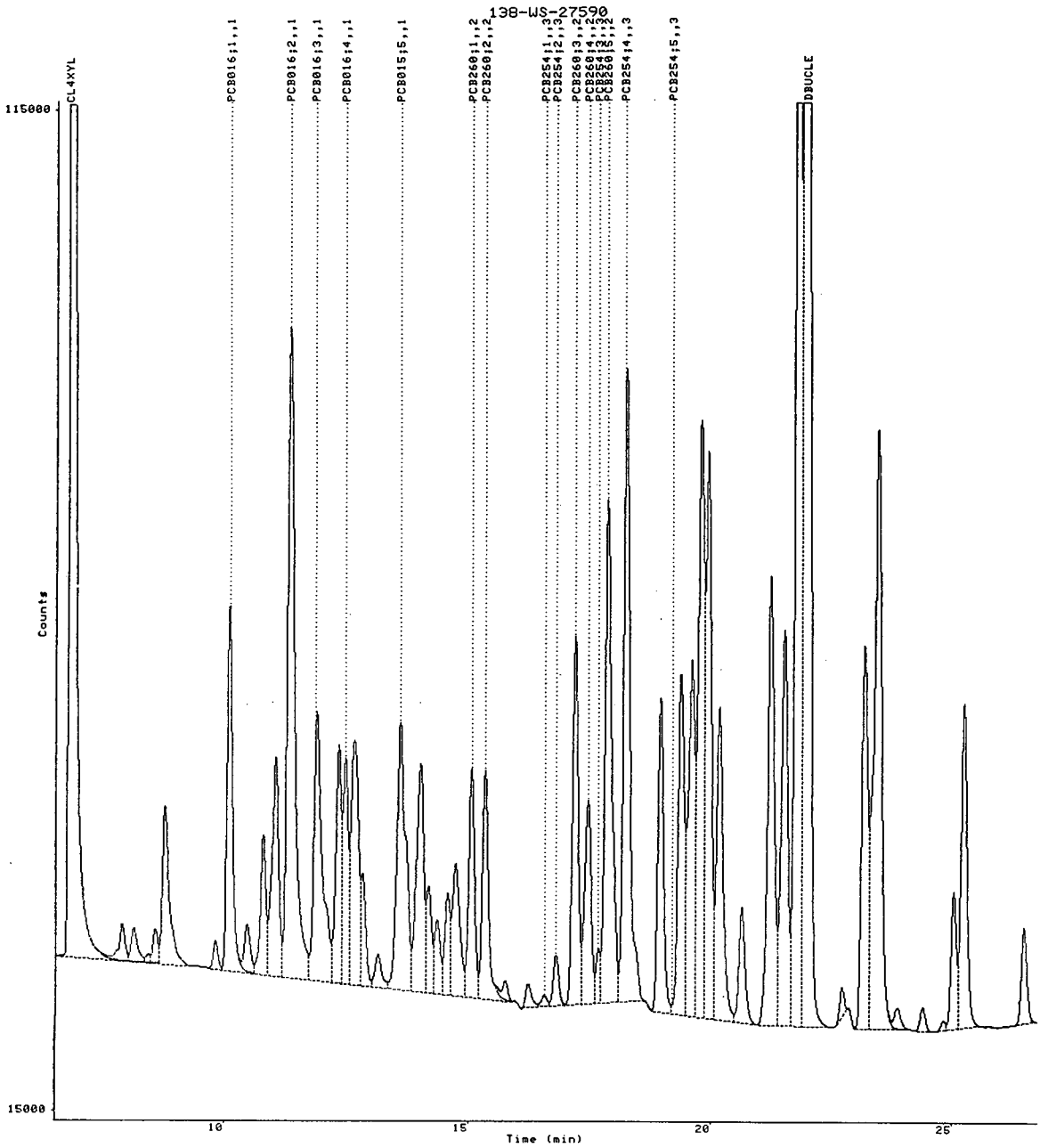
Group	UG/ML
1	0.9397
2	0.9105
3	0.3555

0262

ANALYSIS NOTES

```
---------------------------------------------------------------------------
  1: WARNING: Peak windows overlap. Check peak identification. (245)
  2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)
---------------------------------------------------------------------------
```

Data file: DISK:[TAYLORC]5697326038.RAW;1
Report: 1197265461
Acquired: 23-NOV-1997 01:32:19
Time range: 6.50-26.75



CCV_1660_1.0

0264

Date.....15-DEC-1997 17:05:57.85 User: TAYLORC
Report number.....1197265472
Raw file.....DISK:[TAYLORC]5697326049.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....8

Acq. date.....23-NOV-1997 08:16:05
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....67
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.04	0.1792	242585			BE	
	7.664			245			EV	
	7.881			4286			EV	
	8.123			3429			EV	
	8.427			621			EV	
	8.573			3760			VV	
	8.767			17915			VB	
	9.819			2960			BV	

0265

PCB016;1	10.097	0.15	0.1938	38212	VE	1
	10.469			4412	EV	
	10.797			13773	VV	
	11.049			21915	VV	
PCB016;2	11.343	-0.38	0.1758	66002	VV	1
PCB016;3	11.894	-0.91	0.1838	26633	VV	1
	12.346			22856	VV	
PCB016;4	12.489	0.47	0.1894	20198	VV	1
	12.672			22233	VV	
	12.838			9687	VV	
	13.159			2542	VB	
PCB015;5	13.602	0.06	0.1740	24642	BV	1
	14.020			19416	VV	
	14.185			8211	VV	
	14.362			5457	VV	
	14.578			8091	VV	
	14.742			10268	VV	
PCB260;1	15.063	0.74	0.1664	18961	VV	2
PCB260;2	15.342	0.43	0.1441	18686	VB	2
	15.770			1289	BB	
	16.235			2074	BB	
PCB254;1	16.571	0.16	-2.148E-04-	968	BV	3
PCB254;2	16.808	-0.10	0.01496	4455	VV	3
PCB260;3	17.196	0.27	0.1393	32048	VV	2
PCB260;4	17.468	0.53	0.1523	16757	VV	2
PCB254;3	17.684	-0.66	0.01307	5325	VV	3
PCB260;5	17.864	0.01	0.1452	41891	VV	2
PCB254;4	18.245	-0.64	0.2770	55148	VB	3
	18.958			25742	BV	
	19.380			27582	VV	
	19.606			29221	VV	
	19.797			49966	VV	
	19.948			45917	VV	
	20.183			24990	VV	
	20.655			9274	VB	
	21.251			36980	BV	
	21.538			32858	VV	
	21.817			110714	VV	
DBUCLE	21.995	1.03	0.1790	174655	VB	
	22.743			3353	BV	
	22.876			1661	VV	
	23.195			33582	VV	
	23.472			54036	VE	
	23.883			1924	EV	
	24.148			167	EB	
	24.398			1933	BB	
	24.837			1450	BV	
	25.034			12505	VV	
	25.236			29235	VB	
	25.868			86	BB	
	26.484			8297	BE	
	26.957			372	EB	
	27.575			1151	BV	
	27.953			7246	VB	
	28.676			52	BB	
	28.942			487	BV	
	29.170			132	VB	
	29.413			87	BB	
	30.047			3923	BB	

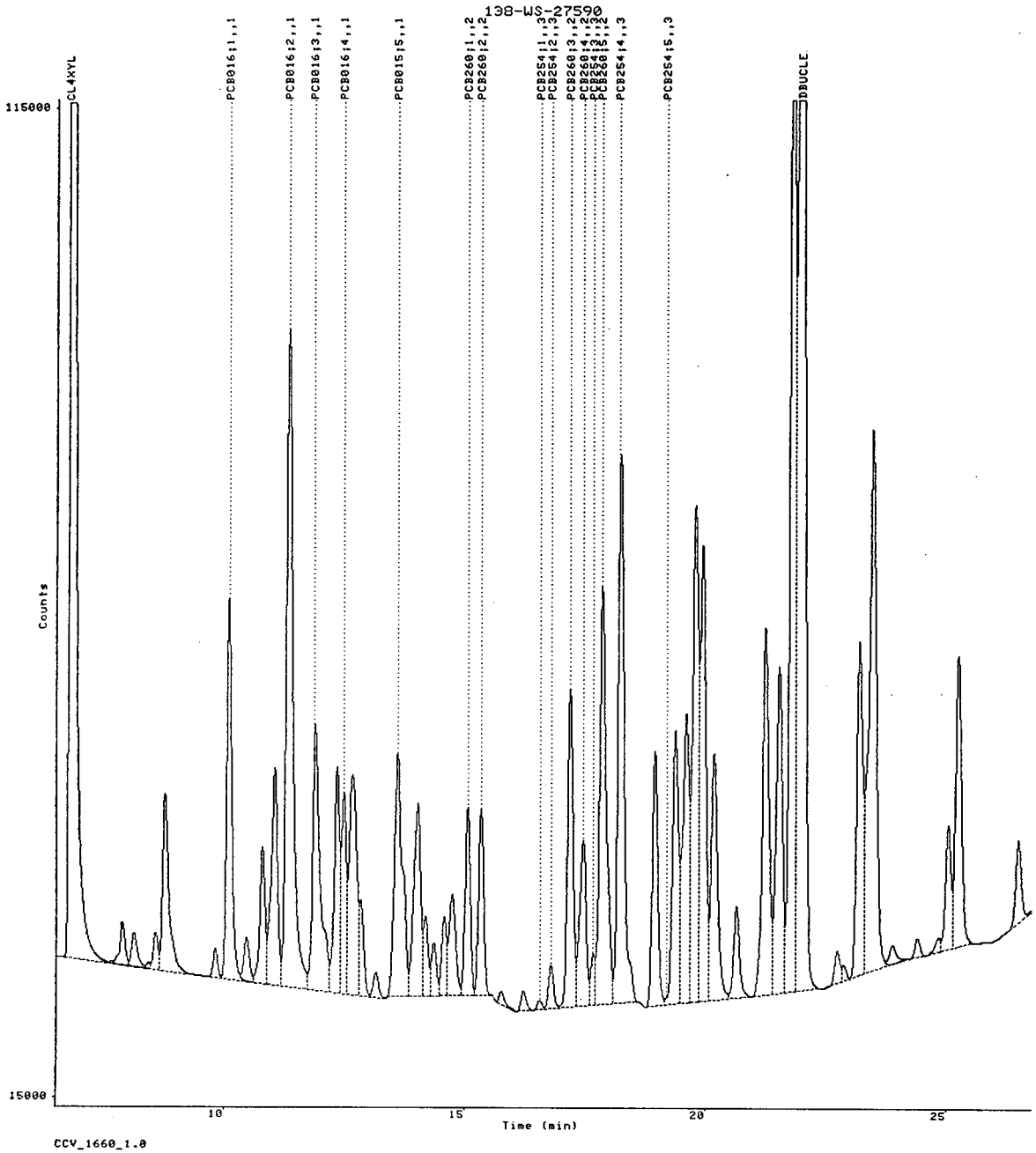
GROUP REPORT

Group	UG/ML
1	0.9168
2	0.7472
3	0.3048

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326049.RAW;1
Report: 1197265472
Acquired: 23-NOV-1997 08:16:05
Time range: 6.50-26.75



0268

Date.....15-DEC-1997 17:08:34.01 User: TAYLORC
Report number.....1197265483
Raw file.....DISK:[TAYLORC]5697326060.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....8

Acq. date.....23-NOV-1997 14:59:55
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....64
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
19.22	PCB254;5	3	

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.808	-2.17	0.1741	236395		BE	
	7.664			761		EV	
	7.885			3814		EV	
	8.124			3263		EV	
	8.433			699		VV	
	8.574			3577		VV	
	8.768			16989		VB	
	9.821			2767		BV	

0269

PCB016;1	10.100	0.00	0.1846	36630	VV	1
	10.471			4494	VV	
	10.800			13633	VV	
	11.052			21608	VV	
PCB016;2	11.345	-0.49	0.1718	64658	VV	1
PCB016;3	11.896	-1.05	0.1815	26305	VV	1
	12.349			23137	VV	
PCB016;4	12.490	0.43	0.1933	20572	VV	1
	12.674			22668	VV	
	12.840			10218	VB	
	13.163			3043	BV	
PCB015;5	13.605	-0.10	0.1736	24589	VV	1
	14.023			19798	VV	
	14.187			8622	VV	
	14.366			5942	VV	
	14.581			8508	VV	
	14.745			10640	VV	
PCB260;1	15.065	0.60	0.1637	18678	VV	2
PCB260;2	15.346	0.20	0.1426	18513	VB	2
	15.771			1410	BB	
	16.241			2301	BV	
PCB254;1	16.576	-0.13	2.801E-03-	1393	VV	3
PCB254;2	16.812	-0.33	0.01619	4745	VV	3
PCB260;3	17.201	-0.03	0.1385	31885	VV	2
PCB260;4	17.473	0.24	0.1512	16644	VV	2
PCB254;3	17.689	-0.96	0.01380	5605	VV	3
PCB260;5	17.868	-0.21	0.1409	40798	VV	2
PCB254;4	18.249	-0.90	0.2674	53488	VB	3
	18.964			24886	BV	
	19.385			26846	VV	
	19.611			28124	VV	
	19.805			47894	VV	
	19.951			43867	VV	
	20.189			24070	VB	
	20.660			8579	BB	
	21.258			35757	BV	
	21.543			32026	VV	
	21.822			105509	VV	
DBUCLE	21.999	0.76	0.1692	166037	VB	
	22.748			3163	BV	
	22.882			1608	VV	
	23.202			32056	VV	
	23.478			51152	VE	
	23.893			2087	EV	
	24.151			1006	EV	
	24.409			2724	VV	
	24.849			3879	VV	
	25.040			14590	VV	
	25.242			30453	VB	
	26.490			7989	BE	
	26.870			724	EV	
	26.930			538	EB	
	27.393			70	BB	
	27.944			11351	BE	
	29.057			1298	EV	
	30.057			17423	VB	

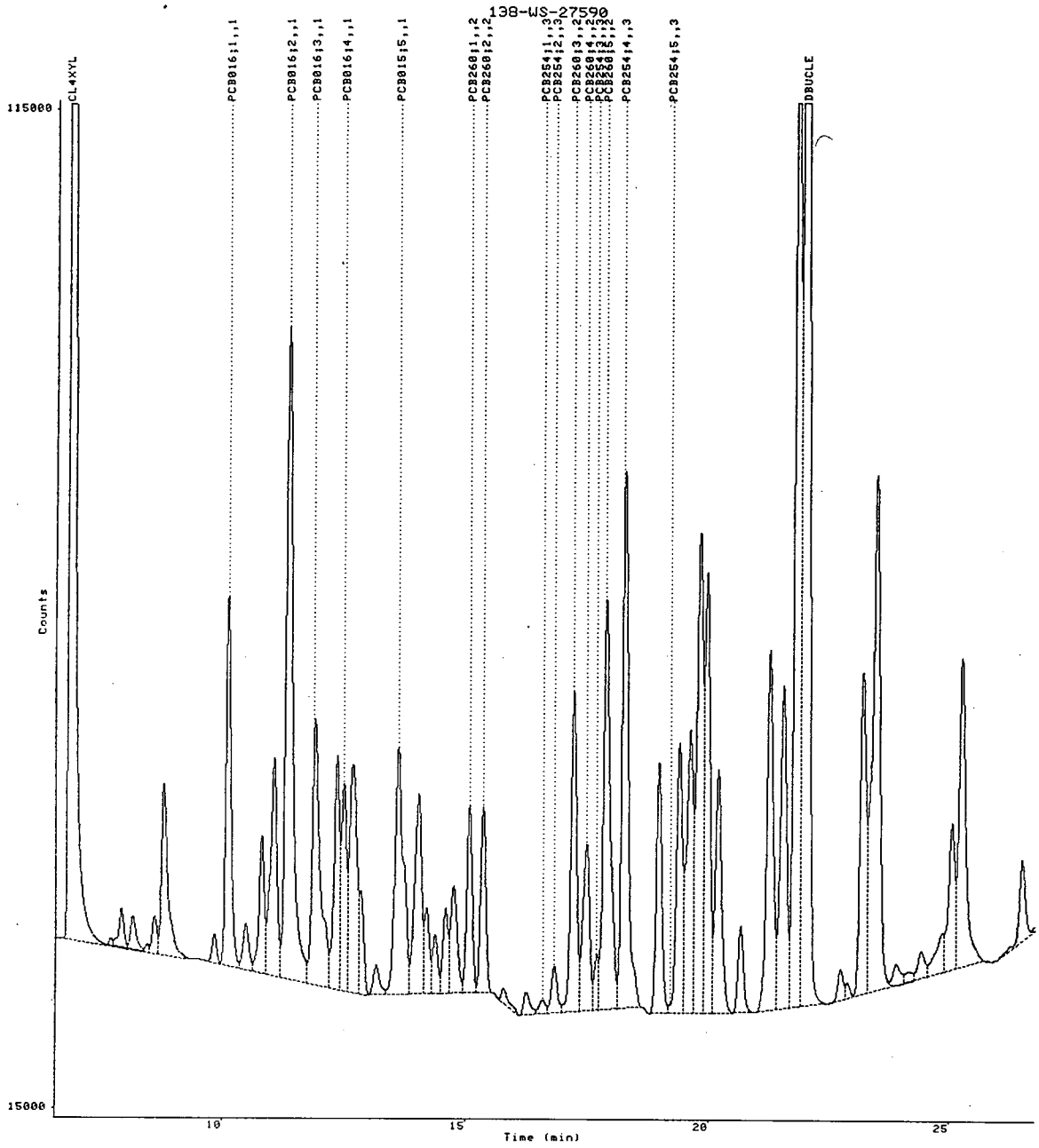
GROUP REPORT

Group	UG/ML
1	0.9047
2	0.7369
3	0.3002

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326060.RAW;1
Report: 1197265483
Acquired: 23-NOV-1997 14:59:55
Time range: 6.50-26.75



CCV_1660_1.0

Date.....15-DEC-1997 17:10:54.59 User: TAYLORC
Report number.....1197265493
Raw file.....DISK:[TAYLORC]5697326070.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....23-NOV-1997 21:07:17
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.06	0.1740	236238			BE	
	7.884			3753			EV	
	8.122			3442			EV	
	8.430			839			EV	
	8.571			3598			EV	
	8.766			16797			VB	
	9.816			2929			BV	
PCB016;1	10.096	0.23	0.1883	37275			VE	1

0273

	10.466			5077	EV	
	10.796			14764	VV	
	11.047			23056	VV	
PCB016;2	11.343	-0.39	0.1816	67969	VV	1
PCB016;3	11.894	-0.92	0.1988	28724	VV	1
	12.345			25674	VV	
PCB016;4	12.487	0.62	0.2280	23855	VV	1
	12.669			26057	VV	
	12.836			12608	VB	
	13.162			4550	BV	
PCB015;5	13.602	0.07	0.2066	28763	VV	1
	14.019			24284	VV	
	14.181			12186	VV	
	14.362			9087	VV	
	14.577			11757	VV	
	14.739			14495	VV	
PCB260;1	15.061	0.84	0.2140	23884	VV	2
PCB260;2	15.341	0.51	0.1901	23940	VE	2
	15.763			3290	EB	
	16.242			3083	BV	
PCB254;1	16.568	0.36	6.598E-03	1926	VV	3
PCB254;2	16.807	-0.06	0.02018	5684	VV	3
PCB260;3	17.196	0.28	0.1553	35344	VV	2
PCB260;4	17.466	0.64	0.1796	19440	VV	2
PCB254;3	17.683	-0.62	0.01387	5632	VV	3
PCB260;5	17.863	0.07	0.1645	46808	VV	2
PCB254;4	18.246	-0.70	0.3029	59561	VB	3
	18.959			28413	BV	
	19.378			30462	VV	
	19.606			32089	VV	
	19.798			53850	VV	
	19.946			50178	VV	
	20.182			27723	VV	
	20.654			10125	VB	
	21.251			40196	BV	
	21.538			35733	VV	
	21.818			115783	VV	
DBUCLE	21.992	1.17	0.1839	178859	VB	
	22.740			3642	BV	
	22.869			1829	VB	
	23.195			35087	BV	
	23.472			55855	VE	
	23.878			1828	EB	
	24.398			2125	BB	
	24.829			896	BV	
	25.034			12359	VV	
	25.236			29727	VB	
	26.484			8591	BB	
	27.571			1452	BV	
	28.788			639	VB	

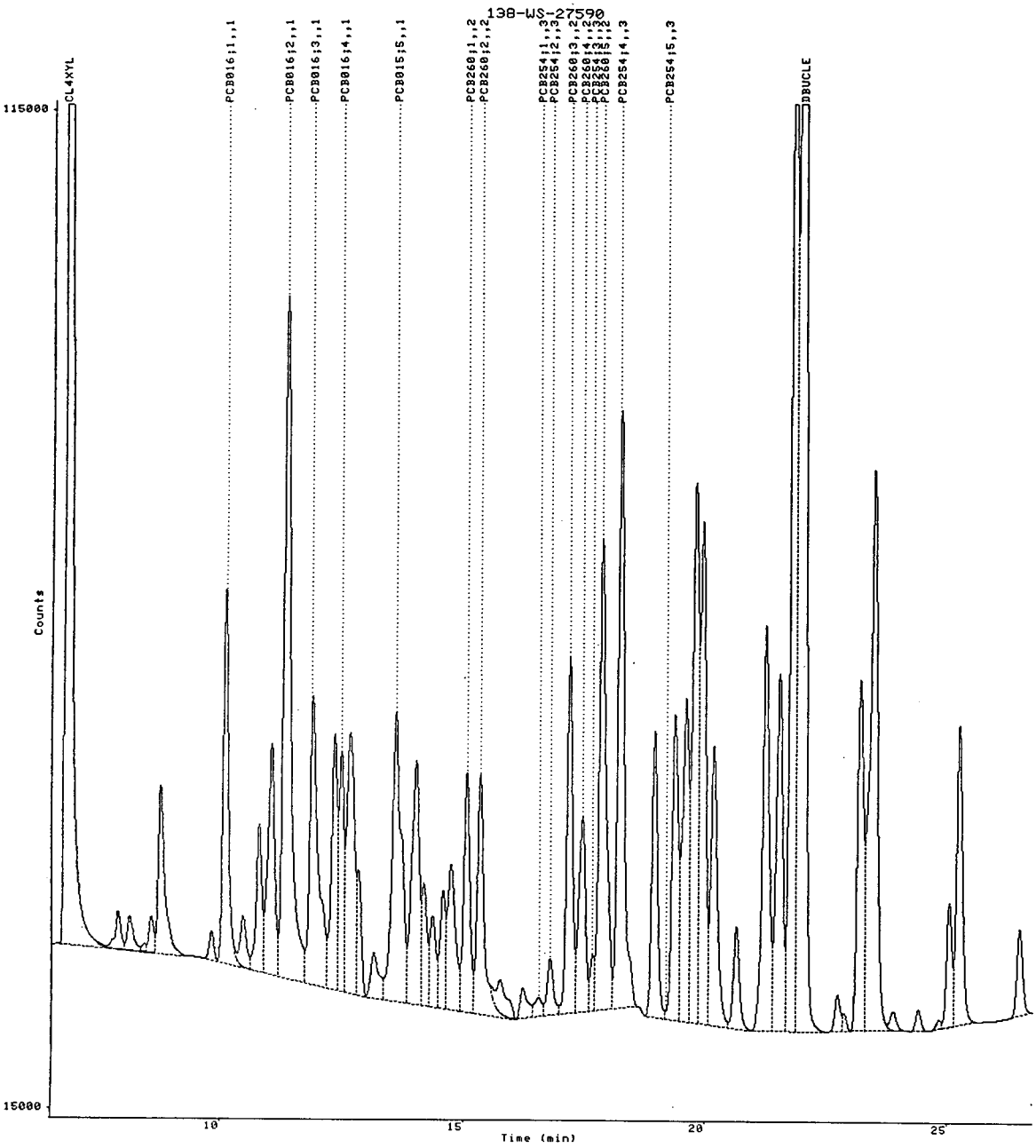
GROUP REPORT

Group	UG/ML
1	1.003
2	0.9035
3	0.3436

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

Data file: DISK:[TAYLORC]5697326070.RAW;1
Report: 1197265493
Acquired: 23-NOV-1997 21:07:17
Time range: 6.50-26.75



CCV_1660_1.0

0276

Date.....15-DEC-1997 17:13:25.87 User: TAYLORC
Report number.....1197265504
Raw file.....DISK:[TAYLORC]5697326081.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....2

Acq. date.....24-NOV-1997 03:50:54
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....CCV_1660_1.0
Notes.....138-WS-27590

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....63
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.812	-2.42	0.1699	231140			BB	
	7.889			3735			BV	
	8.128			3106			VE	
	8.436			558			EV	
	8.579			3458			VV	
	8.773			16678			VB	
	9.824			2749			BV	
PCB016;1	10.104	-0.24	0.1810	36016			VE	1

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	10.475			4284	EV	
	10.803			13156	VV	
	11.056			20955	VV	
PCB016;2	11.352	-0.87	0.1638	61926	VV	1
PCB016;3	11.902	-1.37	0.1726	25055	VV	1
	12.353			21586	VV	
PCB016;4	12.496	0.08	0.1807	19348	VV	1
	12.680			21273	VV	
	12.846			9404	VB	
	13.167			2665	BV	
PCB015;5	13.610	-0.39	0.1659	23593	VV	1
	14.028			18887	VV	
	14.192			8587	VV	
	14.372			6122	VV	
	14.586			8551	VV	
	14.749			10819	VV	
PCB260;1	15.071	0.24	0.1711	19464	VV	2
PCB260;2	15.353	-0.23	0.1468	19006	VE	2
	15.779			1830	EB	
	16.245			1955	BV	
PCB254;1	16.582	-0.45	-5.122E-04-	926	VV	3
PCB254;2	16.818	-0.73	0.01351	4114	VV	3
PCB260;3	17.207	-0.38	0.1301	30128	VV	2
PCB260;4	17.477	-0.01	0.1451	16031	VV	2
PCB254;3	17.698	-1.52	0.01168	4787	VV	3
PCB260;5	17.874	-0.60	0.1355	39380	VV	2
PCB254;4	18.257	-1.37	0.2562	51517	VB	3
	18.971			24036	BV	
	19.390			25528	VV	
	19.619			27190	VV	
	19.810			46422	VV	
	19.960			42793	VV	
	20.194			23332	VV	
	20.667			8942	VV	
	21.264			34472	VV	
	21.551			31558	VV	
	21.829			104751	VV	
DBUCLE	22.005	0.39	0.1680	164947	VB	
	22.753			3274	BV	
	22.883			1667	VV	
	23.208			31366	VV	
	23.484			50380	VE	
	23.892			1638	EV	
	24.164			155	EB	
	24.412			1771	BB	
	25.047			12666	BV	
	25.250			28342	VB	
	26.497			8077	BB	
	27.005			177	BB	
	27.588			1749	BV	
	27.975			8068	VB	
	28.965			398	BB	
	29.400			1390	BB	
	29.918			1259	BB	

GROUP REPORT

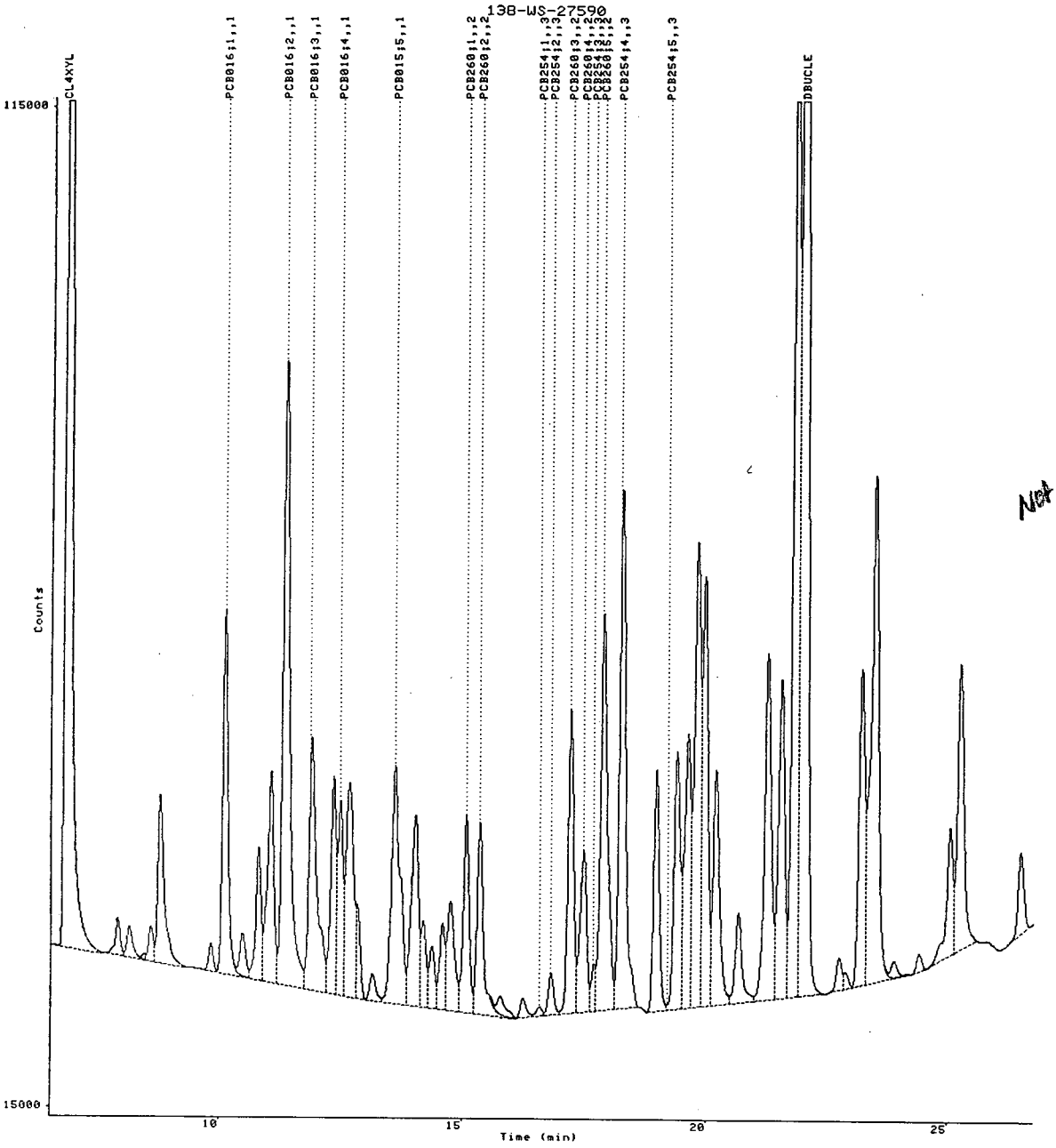
Group	UG/ML

1	0.8639
2	0.7287
3	0.2809

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326081.RAW;1
Report: 1197265504
Acquired: 24-NOV-1997 03:50:54
Time range: 6.50-26.75



CCV_1660_1.0

Not needed

Unit
12/10/97

0280

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.....15-DEC-1997 16:56:23.07 User: TAYLORC
Report number.....1197265432
Raw file.....DISK:[TAYLORC]5697326001.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

12/15/97

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....17

Acq. date.....13-NOV-1997 22:22:00
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....PRIME
Notes.....

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....18
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...1.00000E+00

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;2	1		
11.88	PCB016;3	1		
12.50	PCB016;4	1		
15.08	PCB260;1	2		
16.57	PCB254;1	3		
17.20	PCB260;3	2		
17.48	PCB260;4	2		
17.67	PCB254;3	3		
17.86	PCB260;5	2		
18.23	PCB254;4	3		
22.01	DBUCLE			

12/16/97

0282

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	`Peak Ht	Ref Std	BL	Group
CL4XYL	6.771	0.03	-6.432E-04-	70		BB	
	7.691			71		BV	
	7.786			55		VB	
	8.124			283		BB	
	9.786			198		BB	
PCB016;1	10.026	4.45	-1.900E-03-	72		BB	1
	12.810			1996		BB	
	13.227			1911		BE	
PCB015;5	13.600	0.16	3.114E-04-	165		EB	1
	14.370			53		BB	
	14.779			432		BB	
PCB260;2	15.243	6.34	1.557E-03-	215		BB	2
	16.316			1847		BE	
PCB254;2	16.800	0.35	-3.192E-03-	131		EB	3
PCB254;5	19.332	-7.03	4.144E-03	851		BB	3
	20.774			260		BB	
	21.207			555		BB	
	24.206			2332		BB	

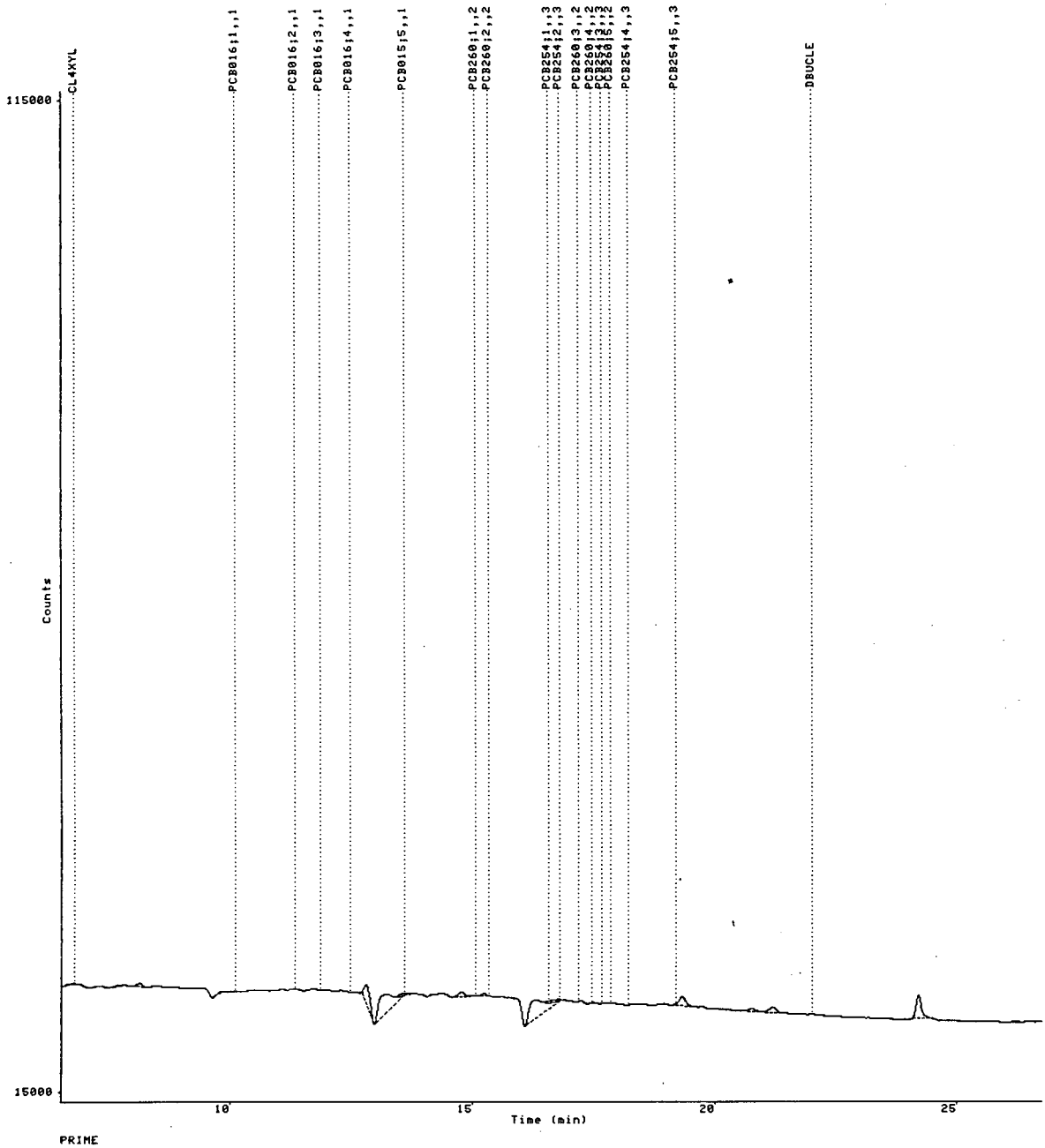
GROUP REPORT

Group	UG/ML
1	-1.589E-03
2	1.557E-03
3	9.523E-04

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326001.RAW;1
Report: 1197265432
Acquired: 13-NOV-1997 22:22:00
Time range: 6.50-26.75



0284

Date.....15-DEC-1997 16:58:13.27 User: TAYLORC
Report number.....1197265440
Raw file.....DISK:[TAYLORC]5697326017.RAW;2
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 12:40:47
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....BL-142132-1
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....63
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.34	PCB016;2	1		
15.35	PCB260;2	2		
16.57	PCB254;1	3		
17.86	PCB260;5	2		
18.23	PCB254;4	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

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Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.557			2893			BB	
CL4XYL	6.815	-2.59	16.00	70199			BE	
	7.047			3042			EB	
	7.314			1943			BB	

	7.578			1253	BB	
	7.886			520	BB	
	8.010			49	BB	
	8.241			3201	BV	
	8.492			1037	VB	
	8.901			121	BV	
	9.053			877	VV	
	9.261			290	VV	
	9.441			522	VV	
	9.645			625	VV	
	9.862			1056	VV	
PCB016;1	10.077	1.38	1.086	1203	VV	1
	10.155			1349	VV	
	10.402			16047	VB	
	10.821			10128	BE	
	11.020			1128	EV	
	11.188			500	EB	
	11.711			4054	BV	
PCB016;3	11.993	-6.84	3.226	1499	VV	1
	12.305			931	VV	
PCB016;4	12.489	0.49	7.923	2659	VV	1
	12.792			14689	VB	
	13.069			658	BB	
PCB015;5	13.643	-2.40	5.546	2646	BV	1
	13.843			5424	VE	
	14.159			720	EB	
	14.390			196	BB	
	14.609			859	BB	
PCB260;1	15.125	-3.03	6.523	2672	BB	2
	15.571			216	BB	
	15.993			664	BB	
	16.210			149	BB	
	16.382			57	BB	
PCB254;2	16.789	1.02	-0.5106 -	530	BB	3
	17.066			202	BV	
PCB260;3	17.222	-1.28	0.1454 -	222	VB	2
PCB260;4	17.418	3.56	0.2183 -	179	BV	2
PCB254;3	17.582	5.44	1.030 -	1449	VB	3
	18.073			1330	BB	
PCB254;5	19.157	3.49	4.895	3043	BV	3
	19.383			855	VB	
	19.809			285	BB	
	20.202			151	BB	
	20.762			2330	BB	
	21.224			5284	BB	
	21.757			429	BV	
DBUCLE	22.015	-0.19	15.56	49551	VB	
	22.947			266	BB	
	23.548			549	BB	
	24.179			333	BV	
	24.409			264	VB	
	25.138			65	BB	
	25.320			249	BV	
	25.525			578	VB	
	26.507			1324	BV	
	26.766			554	VB	
	27.588			55283	BB	
	29.189			343	BB	
	29.569			58	BB	

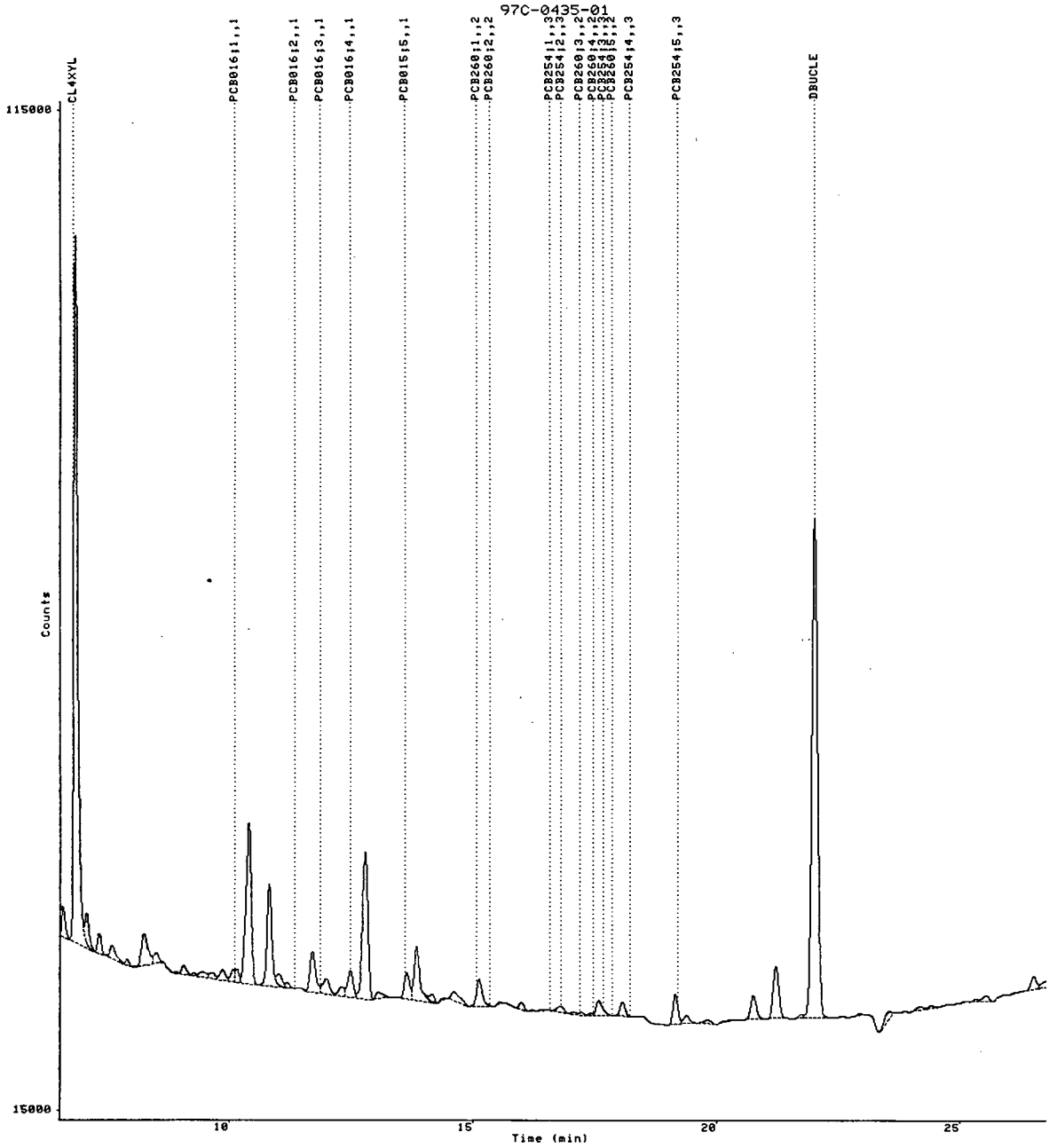
GROUP REPORT

Group	UG/ML
1	17.78
2	6.887
3	5.414

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326017.RAW;2
Report: 1197265440
Acquired: 22-NOV-1997 12:40:47
Time range: 6.50-26.75



BL-142132-1

0288

Date.....15-DEC-1997 16:58:27.61 User: TAYLORC
Report number.....1197265441
Raw file.....DISK:[TAYLORC]5697326018.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 13:17:32
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....QC-142132-1
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.629			638			BV	
CL4XYL	6.818	-2.76	14.76	64935			VB	
	7.889			926			BB	
	8.144			1647			BE	
	8.424			261			EB	
	8.595			1369			BV	
	8.779			9003			VE	
	9.224			308			EB	

0289

	9.830			1295	BB	
PCB016;1	10.111	-0.67	33.16	21056	BV	1
	10.481			2118	VB	
	10.812			7102	BV	
	11.064			12150	VV	
PCB016;2	11.357	-1.19	31.92	37629	VV	1
PCB016;3	11.909	-1.80	34.00	15008	VV	1
	12.361			12971	VV	
PCB016;4	12.504	-0.40	35.48	11786	VV	1
	12.688			12667	VE	
	13.171			1417	EB	
PCB015;5	13.617	-0.84	33.68	14875	BV	1
	14.029			15142	VV	
	14.196			5375	VV	
	14.377			3617	VV	
	14.592			5067	VV	
	14.758			6318	VV	
PCB260;1	15.080	-0.30	35.35	12473	VV	2
PCB260;2	15.358	-0.52	31.80	12746	VB	2
	15.783			592	BB	
	16.250			1307	BB	
PCB254;1	16.584	-0.59	-0.5741 -	755	BV	3
PCB254;2	16.824	-1.05	3.949	3720	VV	3
PCB260;3	17.215	-0.86	28.79	20595	VV	2
PCB260;4	17.486	-0.52	30.13	10333	VV	2
PCB254;3	17.700	-1.61	3.397	4210	VV	3
PCB260;5	17.880	-0.99	29.14	26321	VV	2
PCB254;4	18.261	-1.61	55.57	34933	VB	3
	18.975			15633	BV	
	19.397			17425	VV	
	19.623			18040	VV	
	19.817			32646	VV	
	19.965			26814	VV	
	20.201			15265	VV	
	20.683			5443	VB	
	21.270			21720	BV	
	21.556			19593	VV	
	21.833			62496	VV	
DBUCLE	22.013	-0.04	16.55	52594	VB	
	22.761			1814	BV	
	22.893			922	VB	
	23.213			18750	BV	
	23.490			30558	VE	
	23.895			1035	EB	
	24.422			936	BB	
	24.850			448	BV	
	25.054			6289	VV	
	25.254			15115	VB	
	26.503			4272	BB	
	27.587			54422	BB	

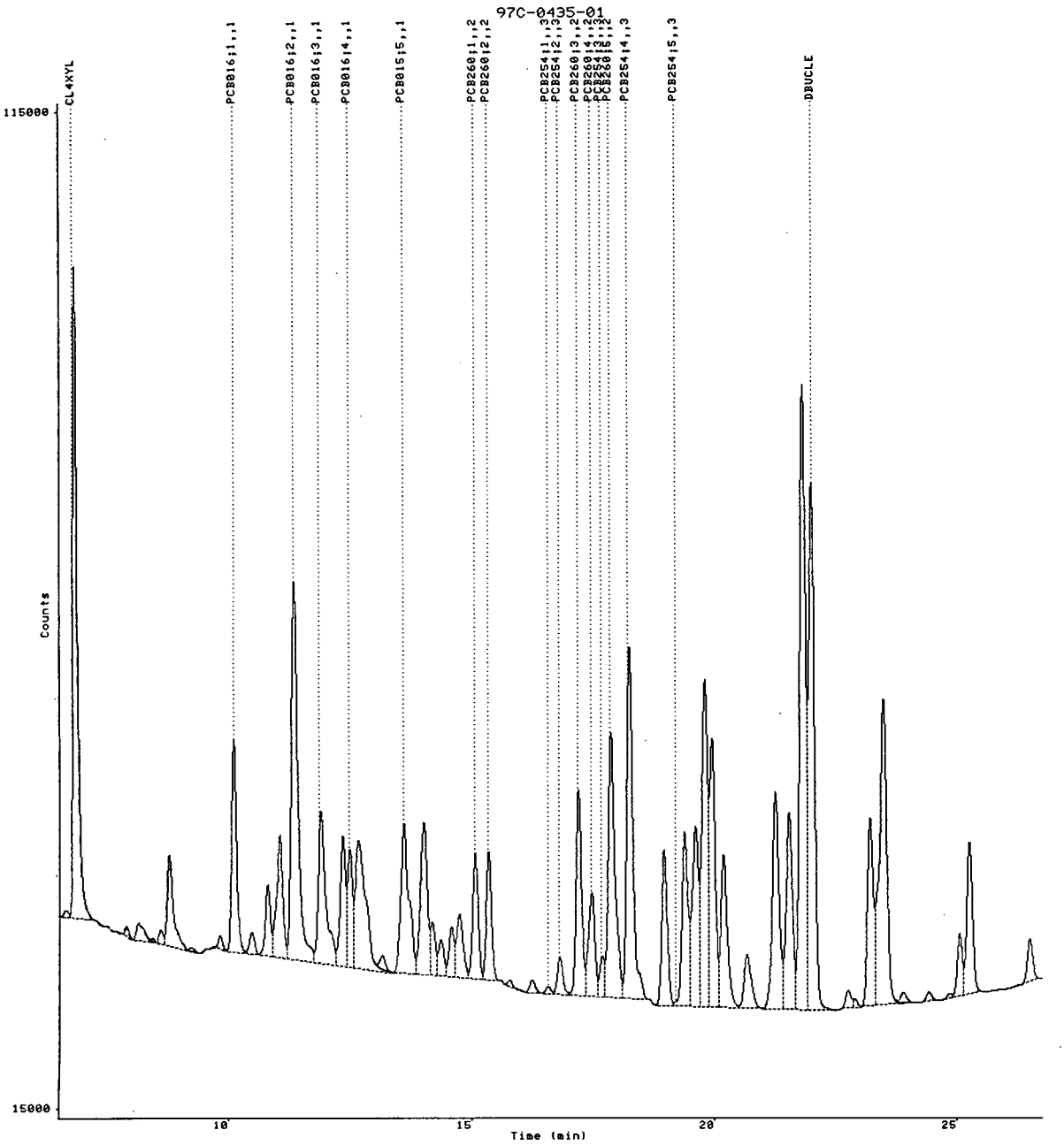
GROUP REPORT

Group	UG/ML
1	168.2
2	155.2
3	62.34

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326018.RAW;1
Report: 1197265441
Acquired: 22-NOV-1997 13:17:32
Time range: 6.50-26.75



QC-142132-1

0292

Date.....15-DEC-1997 16:58:41.50 User: TAYLORC
Report number.....1197265442
Raw file.....DISK:[TAYLORC]5697326019.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 13:54:15
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05169 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....51
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.817	-2.72	-0.03801-	851			BB	
	7.679			7859			BB	
	8.251			850			BB	
PCB016;1	10.111	-0.67	-0.2117 -	350			BB	1
	10.473			182			BB	
	11.052			1877			BV	
PCB016;2	11.369	-1.91	1.560	2112			VV	1

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	11.645			758	VB	
	12.128			667	BB	
	12.330			67	BB	
PCB016;4	12.511	-0.81	15.60	5276	BV	1
	12.670			4962	VB	
	13.189			663	BB	
PCB015;5	13.618	-0.92	5.370	2566	BV	1
	13.741			1400	VV	
	14.001			1480	VV	
	14.317			1448	VV	
	14.599			3026	VV	
	14.795			3683	VV	
	14.945			6780	VV	
PCB260;1	15.078	-0.21	46.62	16146	VV	2
PCB260;2	15.365	-0.97	38.37	15199	VV	2
	15.579			11712	VB	
	15.844			1224	BV	
	15.990			1154	VV	
	16.257			3798	VV	
PCB254;1	16.590	-0.96	9.009	4753	VV	3
PCB254;2	16.823	-0.99	8.894	7203	VV	3
	17.060			3054	VV	
PCB260;3	17.251	-3.03	77.04	49942	VE	2
PCB260;4	17.489	-0.73	9.598	3470	EV	2
PCB254;3	17.702	-1.71	10.55	12429	VV	3
PCB260;5	17.873	-0.57	8.370	7995	VV	2
	18.011			3708	VV	
PCB254;4	18.258	-1.43	16.24	10692	VB	3
	18.974			3186	BV	
PCB254;5	19.238	-1.37	7.133	4427	VV	3
	19.386			7101	VV	
	19.623			6384	VV	
	19.820			15637	VV	
	20.282			2099	VB	
	21.198			18248	BV	
	21.515			27133	VB	
	23.227			795	BV	
	23.493			2576	VB	
	23.875			120	BB	
	25.069			144	BV	
	25.263			444	VB	
	26.520			95	BB	
	27.598			596	BB	
	28.761			197	BB	

GROUP REPORT

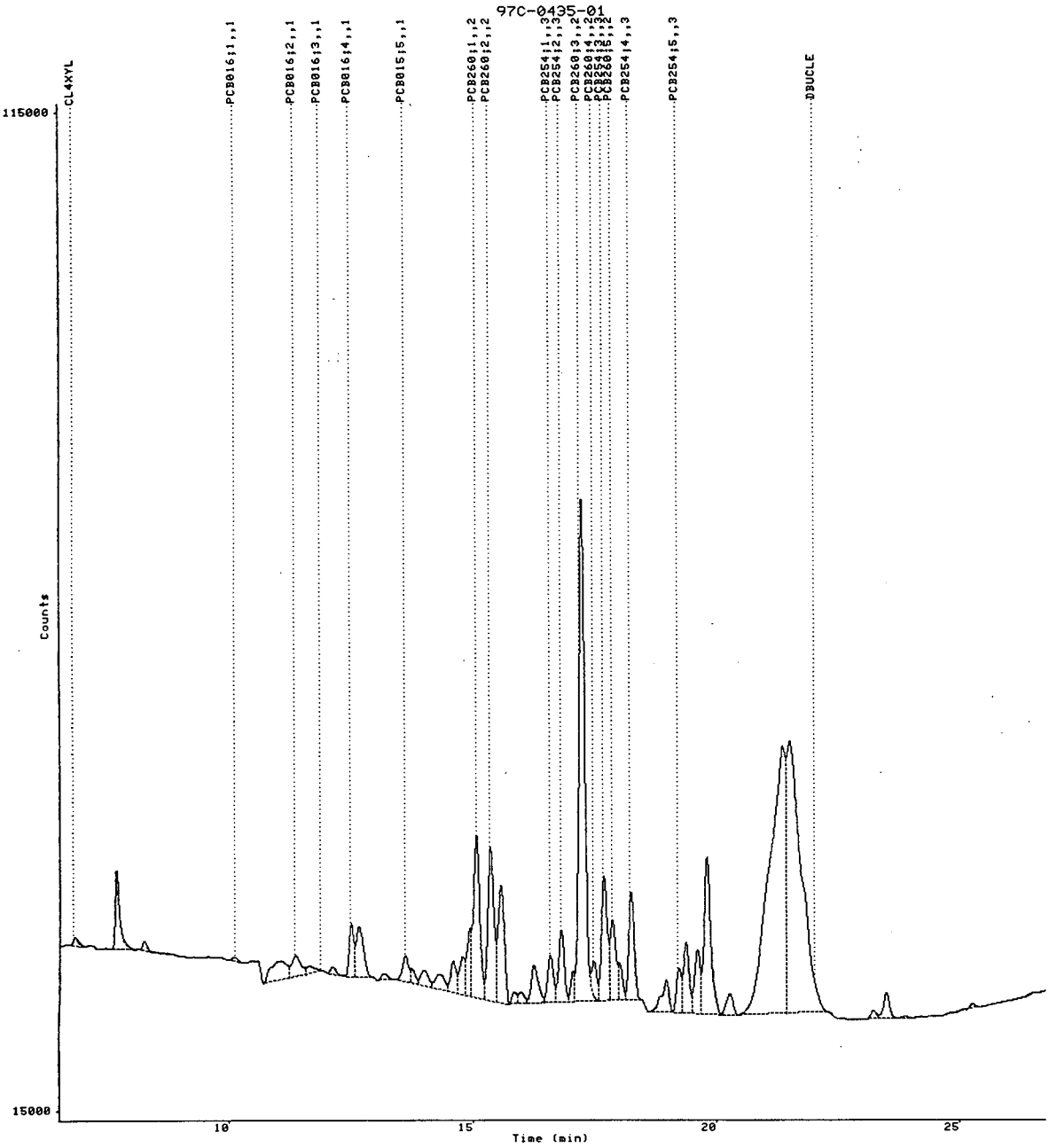
Group	UG/ML
1	22.32
2	180.0
3	51.83

0294

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326019.RAW;1
Report: 1197265442
Acquired: 22-NOV-1997 13:54:15
Time range: 6.50-26.75



97C05169 X100

0295

Date.....15-DEC-1997 16:58:54.92 User: TAYLORC
Report number.....1197265443
Raw file.....DISK:[TAYLORC]5697326020.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 14:31:02
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05170 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....56
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.817	-2.70	-0.02017-	930			BB	
	7.678			5307			BB	
	8.251			875			BB	
PCB016;1	10.109	-0.56	-0.3043 -	289			BB	1
	10.474			614			BV	
	10.585			1307			VB	
	11.066			1449			BV	

0296

PCB016;2	11.370	-1.99	1.112	1562	VE	1
	11.650			280	EB	
	12.130			492	BB	
	12.336			59	BB	
PCB016;4	12.511	-0.85	12.34	4174	BV	1
	12.670			4220	VE	
	12.977			287	EB	
	13.184			564	BB	
PCB015;5	13.618	-0.89	4.168	2021	BV	1
	13.753			1179	VV	
	13.998			1041	VV	
	14.323			1428	VV	
	14.600			2676	VV	
	14.793			3129	VV	
	14.947			6524	VV	
PCB260;1	15.078	-0.16	43.06	14994	VV	2
PCB260;2	15.367	-1.05	36.04	14335	VV	2
	15.577			11247	VB	
	15.843			1050	BV	
	15.994			1085	VV	
	16.258			3374	VV	
PCB254;1	16.591	-0.99	8.230	4433	VV	3
PCB254;2	16.822	-0.96	8.533	6951	VV	3
	17.061			2917	VV	
PCB260;3	17.246	-2.72	53.31	36288	VE	2
PCB260;4	17.492	-0.88	8.902	3229	EV	2
PCB254;3	17.701	-1.67	10.23	12065	VV	3
PCB260;5	17.874	-0.60	7.949	7608	VV	2
	18.014			3510	VV	
PCB254;4	18.258	-1.46	15.75	10374	VB	3
	18.857			1739	BV	
	18.974			3235	VV	
PCB254;5	19.236	-1.28	7.679	4763	VV	3
	19.385			6837	VV	
	19.622			6210	VV	
	19.820			15178	VV	
	20.282			2131	VB	
	21.372			4763	BV	
	21.543			3782	VV	
	21.837			4739	VE	
	22.333			350	EB	
	22.595			78	BB	
	23.228			820	BV	
	23.492			2457	VB	
	23.869			134	BB	
	25.070			134	BV	
	25.262			418	VB	
	26.515			196	BB	
	27.601			603	BB	

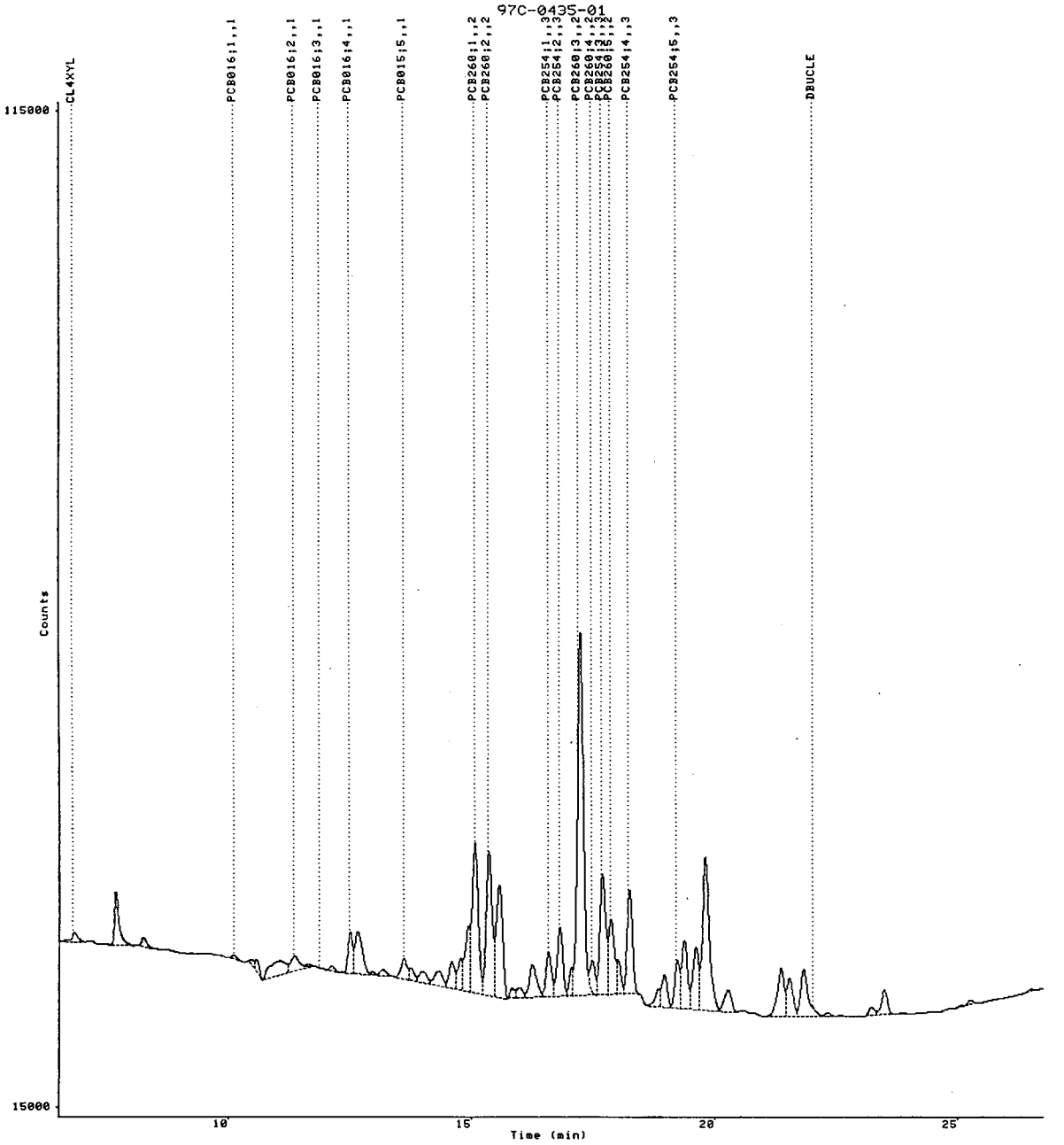
GROUP REPORT

Group	UG/ML
1	17.32
2	149.3
3	50.42

ANALYSIS NOTES

```
--------------------------------------------------------------------------------
  1: WARNING: Peak windows overlap. Check peak identification. (245)
  2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)
--------------------------------------------------------------------------------
```

Data file: DISK:[TAYLORC]5697326020.RAW;1
Report: 1197265443
Acquired: 22-NOV-1997 14:31:02
Time range: 6.50-26.75



97C05170 X100

Date.....15-DEC-1997 16:59:08.35 User: TAYLORC
Report number.....1197265444
Raw file.....DISK:[TAYLORC]5697326021.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 15:07:44
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05171 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....55
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;3	1	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.815	-2.60	-0.03576-	861		BB	
	7.678			5652		BV	
	8.252			6894		VB	
	8.843			125		BB	
PCB016;1	10.114	-0.81	0.1315 -	576		BB	1
	10.474			706		BV	
	10.607			1574		VB	

0300

	10.817			1062	BV	
	11.050			1341	VV	
PCB016;2	11.371	-2.03	1.845	2461	VV	1
	11.648			1046	VV	
	12.127			671	VB	
PCB016;4	12.511	-0.86	22.18	7474	BV	1
	12.670			6798	VB	
	13.194			1123	BB	
PCB015;5	13.617	-0.82	8.209	3846	BV	1
	13.765			2302	VV	
	14.029			2322	VV	
	14.316			2100	VV	
	14.601			5931	VV	
	14.946			14902	VV	
PCB260;1	15.075	-0.01	102.0	32880	VV	2
PCB260;2	15.365	-0.97	80.88	29527	VV	2
	15.575			24794	VE	
	15.818			1993	EV	
	15.991			1224	EV	
	16.257			5737	VV	
PCB254;1	16.589	-0.89	22.92	10317	VV	3
PCB254;2	16.821	-0.90	21.41	15762	VV	3
	17.057			8082	VV	
PCB260;3	17.238	-2.21	101.0	62169	VE	2
PCB260;4	17.490	-0.77	23.47	8156	EV	2
PCB254;3	17.701	-1.70	25.61	29082	VV	3
PCB260;5	17.873	-0.51	20.17	18599	VV	2
	18.015			10556	VV	
PCB254;4	18.256	-1.29	41.71	26699	VV	3
	18.976			8236	VV	
PCB254;5	19.236	-1.27	19.64	11979	VV	3
	19.383			16068	VV	
	19.620			14787	VV	
	19.818			34665	VE	
	20.283			5791	EV	
	20.585			1250	VV	
	20.818			843	VB	
	21.373			11196	BV	
	21.544			8926	VV	
	21.836			10025	VE	
	22.333			1235	EB	
	22.600			357	BB	
	23.234			2698	BV	
	23.496			7740	VV	
	24.191			12891	VV	
	24.760			10531	VB	
	26.511			385	BB	
	27.598			730	BB	

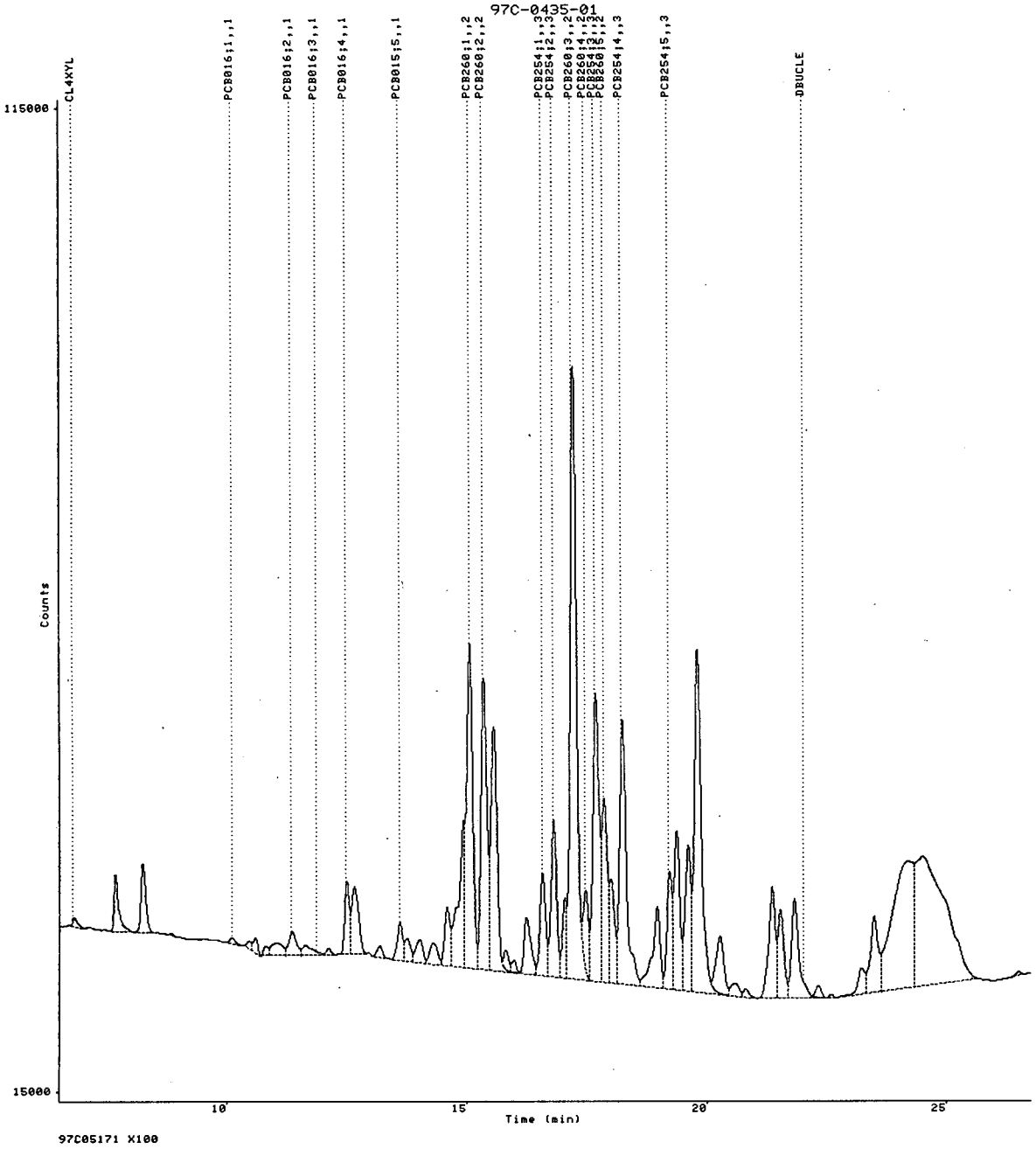
GROUP REPORT

Group	UG/ML
1	32.36
2	327.4
3	131.3

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326021.RAW;1
Report: 1197265444
Acquired: 22-NOV-1997 15:07:44
Time range: 6.50-26.75



0303

Date.....15-DEC-1997 16:59:21.67 User: TAYLORC
Report number.....1197265445
Raw file.....DISK:[TAYLORC]5697326022.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 15:44:31
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05172 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....58
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
17.48	PCB260;4	2		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.810	-2.27	-0.03079-	883			BV	
	6.920			784			VB	
	7.459			75			BB	
	7.675			83900			BB	
	8.614			194			BB	
	8.844			620			BB	

0304

	9.556				886	BV	
	9.818				373	VV	
PCB016;1	10.108	-0.46	4.008		3110	VB	1
	10.466				2136	BV	
	10.610				810	VB	
	10.809				1977	BV	
	10.982				8418	VV	
	11.048				7865	VV	
PCB016;2	11.346	-0.57	6.256		7830	VE	1
	11.622				567	EB	
	12.117				3182	BV	
	12.241				1596	VB	
PCB016;4	12.494	0.15	301.2	+	61476	BV	1
	12.648				19645	VB	
	13.177				1374	BB	
PCB015;5	13.613	-0.63	19.38		8786	BV	1
	13.727				6099	VV	
	13.967				7228	VE	
	14.248				483	EB	
	14.587				2959	BV	
	14.783				5810	VV	
	14.918				4489	VV	
PCB260;1	15.076	-0.05	42.98		14968	VV	2
PCB260;2	15.360	-0.68	29.27		11786	VV	2
	15.577				6539	VV	
	15.807				2886	VV	
	16.254				4842	VV	
PCB254;1	16.586	-0.69	9.185		4825	VV	3
PCB254;2	16.812	-0.37	6.015		5182	VV	3
PCB260;3	17.254	-3.19			663358	VE	2
PCB254;3	17.686	-0.77	9.581		11322	EV	3
PCB260;5	17.865	-0.03	8.148		7791	EV	2
PCB254;4	18.252	-1.08	12.67		8361	VE	3
	18.459				905	EB	
	18.842				1095	BV	
	18.961				1729	VB	
PCB254;5	19.231	-0.96	4.302		2675	BV	3
	19.377				5181	VV	
	19.613				6087	VV	
	19.809				10581	VE	
	20.265				1516	EB	
	21.362				3573	BV	
	21.538				3122	VV	
	21.828				3820	VB	
	23.218				660	BV	
	23.482				2011	VB	
	23.894				62	BB	
	25.052				88	BB	
	25.251				329	BB	
	26.721				96	BB	
	27.589				647	BB	
	28.680				194	BB	

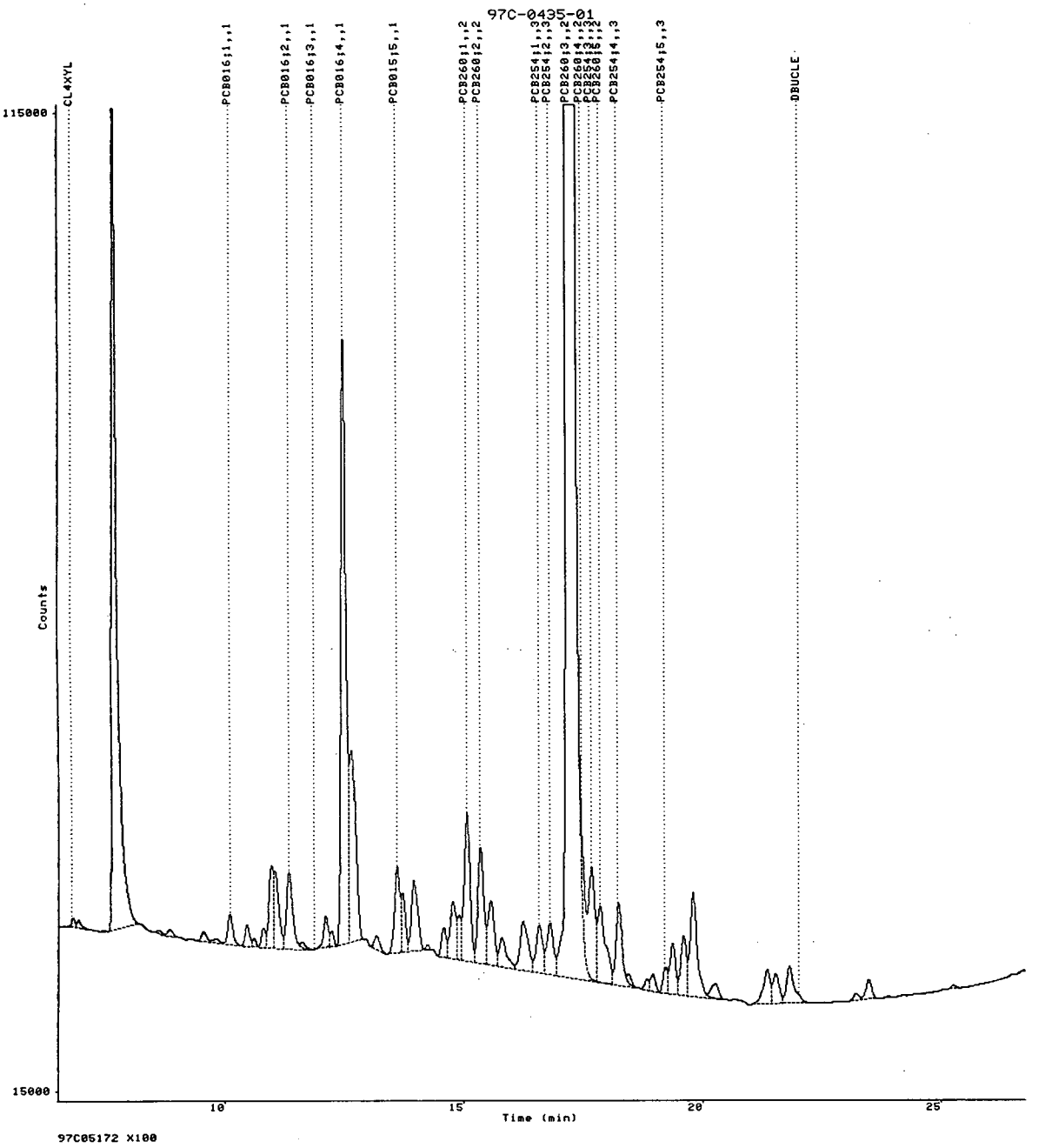
GROUP REPORT

Group	UG/ML
1	330.8
2	80.39
3	41.75

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326022.RAW;1
Report: 1197265445
Acquired: 22-NOV-1997 15:44:31
Time range: 6.50-26.75



Date.....15-DEC-1997 16:59:34.92 User: TAYLORC
Report number.....1197265446
Raw file.....DISK:[TAYLORC]5697326023.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 16:21:13
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05173 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....66
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.14	-0.02966-	888			BB	
	7.668			19280			BB	
	8.240			27564			BB	
	8.838			517			BB	
	9.549			126			BB	
PCB016;1	10.101	-0.06	1.119	1225			BB	1
	10.464			987			BV	
	10.614			9842			VE	

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	10.780				1429	EV	
	10.987				2547	VV	
PCB016;2	11.353	-0.95	2.693		3499	VV	1
	11.596				1277	VV	
PCB016;3	11.770	6.53	1.015		512	VB	1
	12.111				1738	BB	
	12.311				348	BB	
PCB016;4	12.492	0.28	68.58		21765	BV	1
	12.649				24586	VB	
	12.974				1262	BV	
	13.111				345	VB	
PCB015;5	13.600	0.18	20.67		9344	BV	1
	13.725				5466	VV	
	14.025				10493	VV	
	14.256				7188	VV	
	14.580				14653	VV	
	14.784				16572	VV	
	14.924				44074	VV	
PCB260;1	15.060	0.92	289.5	+	73551	VV	2
PCB260;2	15.349	-0.03	238.5	+	59609	VV	2
	15.551				55934	VE	
	15.794				6627	EV	
	15.970				3178	EV	
	16.238				16851	VV	
PCB254;1	16.573	0.07	52.28		21117	VV	3
PCB254;2	16.803	0.20	49.68		33749	VV	3
	17.039				16905	VV	
PCB260;3	17.228	-1.60			185963	VE	2
PCB260;4	17.470	0.40	58.10		18927	EV	2
PCB254;3	17.680	-0.44	48.73		52987	VV	3
PCB260;5	17.855	0.53	42.20		37033	VV	2
	17.999				22313	VV	
PCB254;4	18.239	-0.27	79.48		48349	VE	3
	18.445				4309	EV	
	18.956				15016	VV	
PCB254;5	19.217	-0.14	31.51		18871	VV	3
	19.366				32060	VV	
	19.602				30737	VV	
	19.798				63693	VE	
	20.262				10692	EV	
	20.505				905	VV	
	20.626				944	VB	
	21.351				21334	BV	
	21.527				17293	VV	
	21.818				21429	VE	
	22.310				1267	EB	
	22.575				155	BB	
	22.748				108	BB	
	23.204				5341	BV	
	23.471				12026	VE	
	23.859				819	EB	
	24.398				147	BB	
	24.837				51	BV	
	25.035				893	VV	
	25.237				2453	VB	
	26.485				903	BV	
	26.699				418	VB	
	27.575				854	BB	

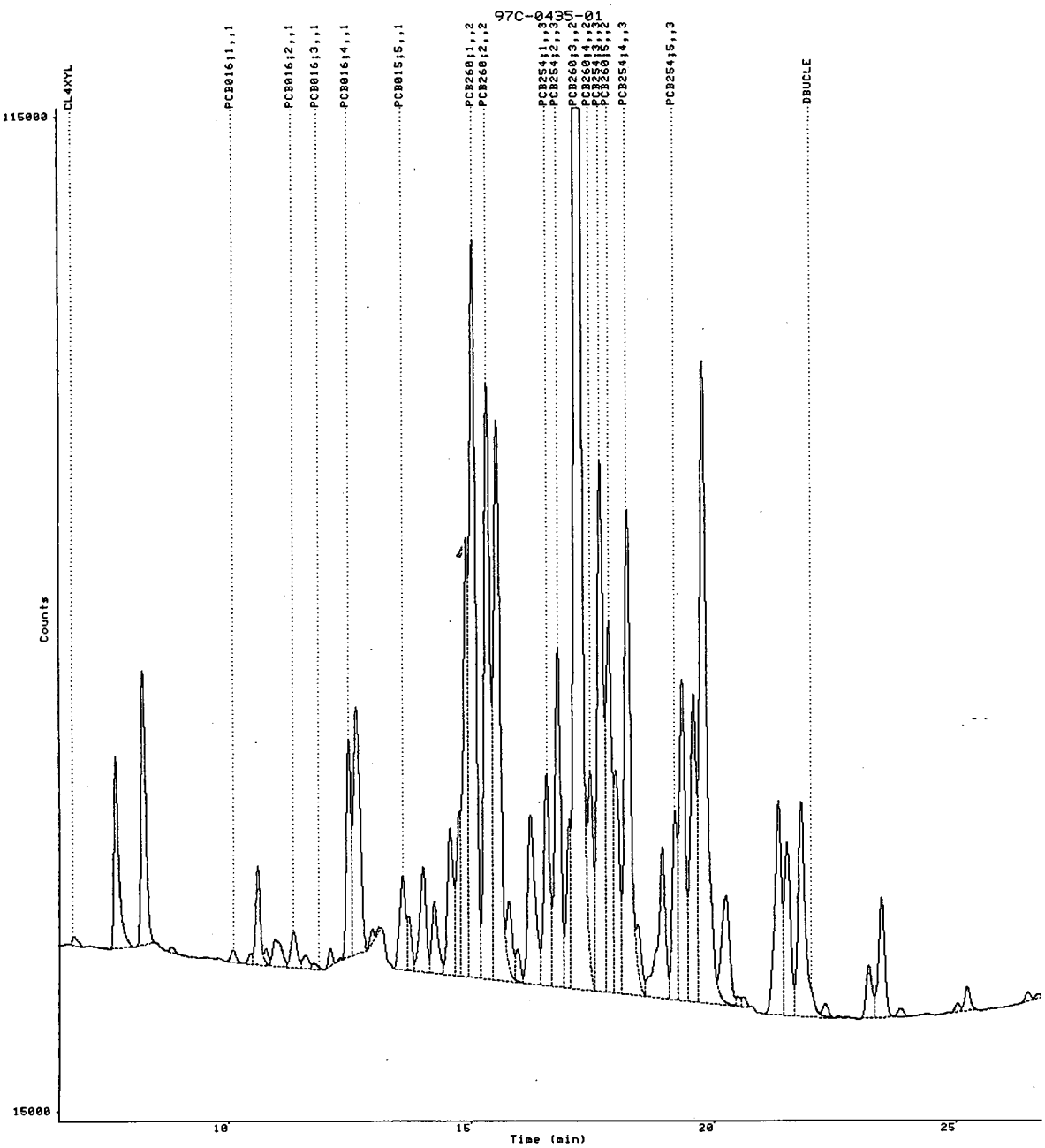
GROUP REPORT

Group	UG/ML
1	94.08
2	628.3
3	261.7

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326023.RAW;1
Report: 1197265446
Acquired: 22-NOV-1997 16:21:13
Time range: 6.50-26.75



97C05173 X100

0311

Date.....15-DEC-1997 16:59:48.35 User: TAYLORC
Report number.....1197265447
Raw file.....DISK:[TAYLORC]5697326024.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 16:58:01
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05174 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....46
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.807	-2.08	-0.04208-	833			BB	
	7.666			4083			BB	
PCB016;1	10.099	0.08	-0.3407 -	265			BB	1
	10.606			417			BB	
	10.796			158			BB	
PCB016;2	11.356	-1.13	0.2810 -	540			BB	1
	12.110			355			BB	

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PCB016;4	12.495	0.12	11.69	3950	BV	1
	12.694			3224	VB	
	13.136			180	BB	
PCB015;5	13.605	-0.15	4.370	2113	BB	1
	13.998			1440	BV	
	14.250			296	VB	
	14.583			1657	BV	
	14.766			2267	VV	
PCB260;1	15.065	0.59	36.10	12720	VV	2
PCB260;2	15.346	0.16	34.01	13577	VV	2
	15.576			7975	VE	
	15.789			779	EB	
	16.239			4265	BV	
PCB254;1	16.573	0.04	9.038	4765	VV	3
PCB254;2	16.807	-0.03	9.995	7971	VV	3
	17.038			3513	VV	
PCB260;3	17.222	-1.29	48.57	33378	VE	2
PCB260;4	17.472	0.32	8.951	3246	EV	2
PCB254;3	17.688	-0.90	7.927	9434	VV	3
PCB260;5	17.857	0.41	8.365	7991	VV	2
	18.001			4026	VV	
PCB254;4	18.245	-0.66	14.51	9569	VB	3
	18.957			2872	BV	
PCB254;5	19.228	-0.76	4.634	2881	VV	3
	19.368			7428	VV	
	19.606			6083	VV	
	19.801			14941	VE	
	20.268			2156	EB	
	21.353			4726	BV	
	21.530			3426	VV	
	21.820			4527	VE	
	22.309			255	EB	
	23.205			982	BV	
	23.474			2378	VB	
	25.046			142	BV	
	25.240			410	VB	
	26.498			100	BB	
	26.706			82	BB	
	27.574			676	BB	

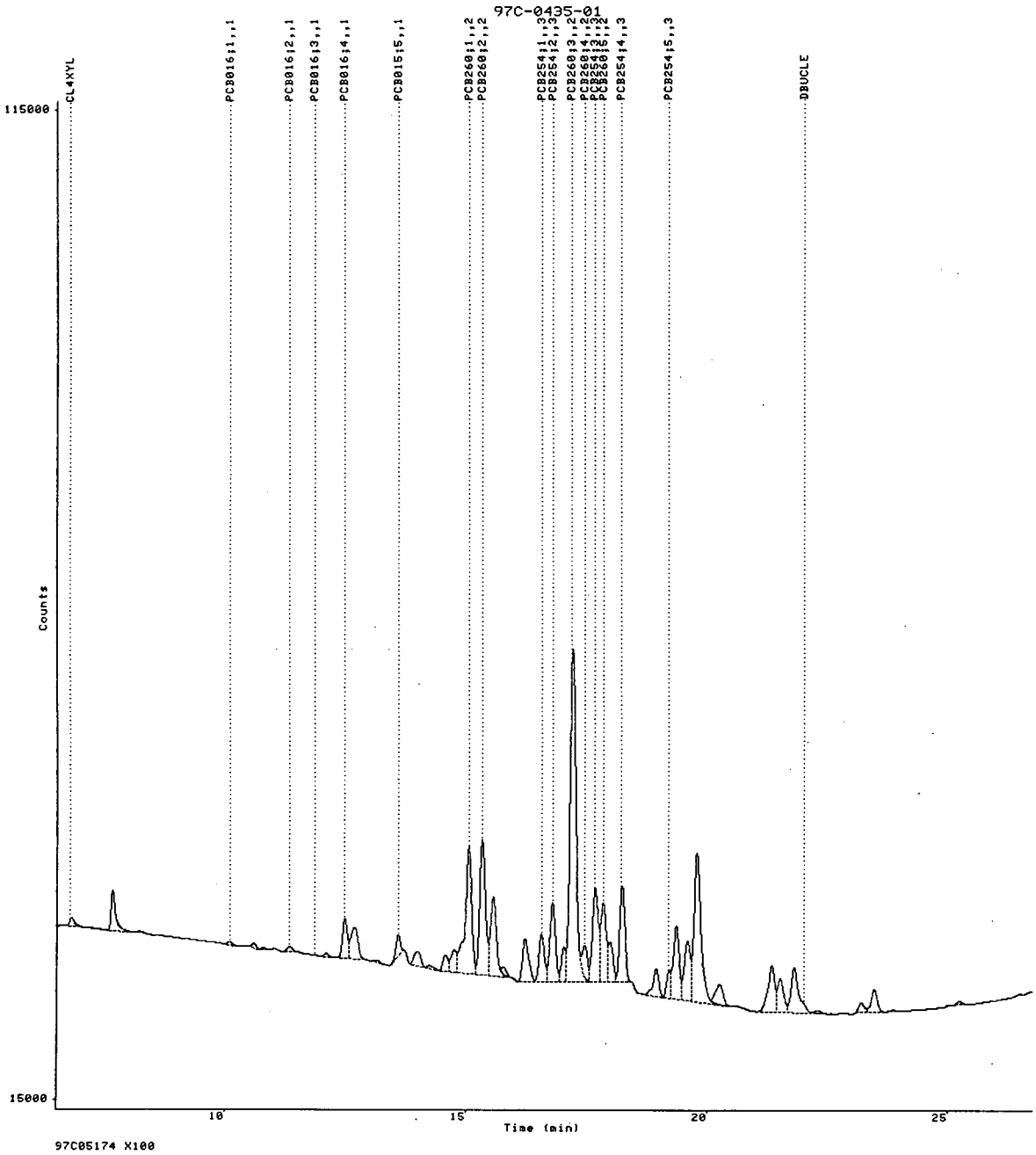
GROUP REPORT

Group	UG/ML
1	16.00
2	136.0
3	46.11

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326024.RAW;1
Report: 1197265447
Acquired: 22-NOV-1997 16:58:01
Time range: 6.50-26.75



0314

Date.....15-DEC-1997 17:00:02.03 User: TAYLORC
Report number.....1197265448
Raw file.....DISK:[TAYLORC]5697326025.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 17:34:42
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05175 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....43
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.17	-0.02514-	908			BB	
	7.665			1864			BB	
	8.240			393			BB	
	8.642			30			BB	
	10.452			66			BB	
	10.602			231			BB	

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	10.800			144	BV	
	10.980			677	VB	
PCB016;2	11.350	-0.80	0.02440-	224	BB	1
	12.112			518	BB	
PCB016;4	12.496	0.06	16.68	5641	BV	1
	12.650			4907	VB	
PCB015;5	13.605	-0.09	4.375	2115	BV	1
	14.013			1025	VB	
	14.583			880	BV	
	14.784			1000	VV	
PCB260;1	15.065	0.59	20.58	7526	VV	2
PCB260;2	15.351	-0.10	11.80	4898	VV	2
	15.569			2935	VE	
	15.812			625	EB	
	16.240			1661	BV	
PCB254;1	16.575	-0.07	0.9550 -	1402	VV	3
PCB254;2	16.807	-0.04	1.317 -	1843	VB	3
PCB260;3	17.220	-1.12	19.00	13881	BE	2
PCB260;4	17.473	0.26	3.848	1464	EV	2
PCB254;3	17.685	-0.75	2.743	3449	VV	3
PCB260;5	17.856	0.48	2.753	2768	VV	2
	17.996			1365	VV	
PCB254;4	18.243	-0.52	4.749	3104	VB	3
	18.825			373	BV	
	18.954			675	VB	
PCB254;5	19.229	-0.86	1.510	932	BV	3
	19.368			2085	VV	
	19.603			2567	VV	
	19.802			4071	VE	
	20.250			522	EB	
	21.353			1119	BV	
	21.530			810	VB	
	21.816			873	BB	
	23.205			183	BB	
	23.476			594	BB	
	25.246			107	BB	
	27.575			671	BB	

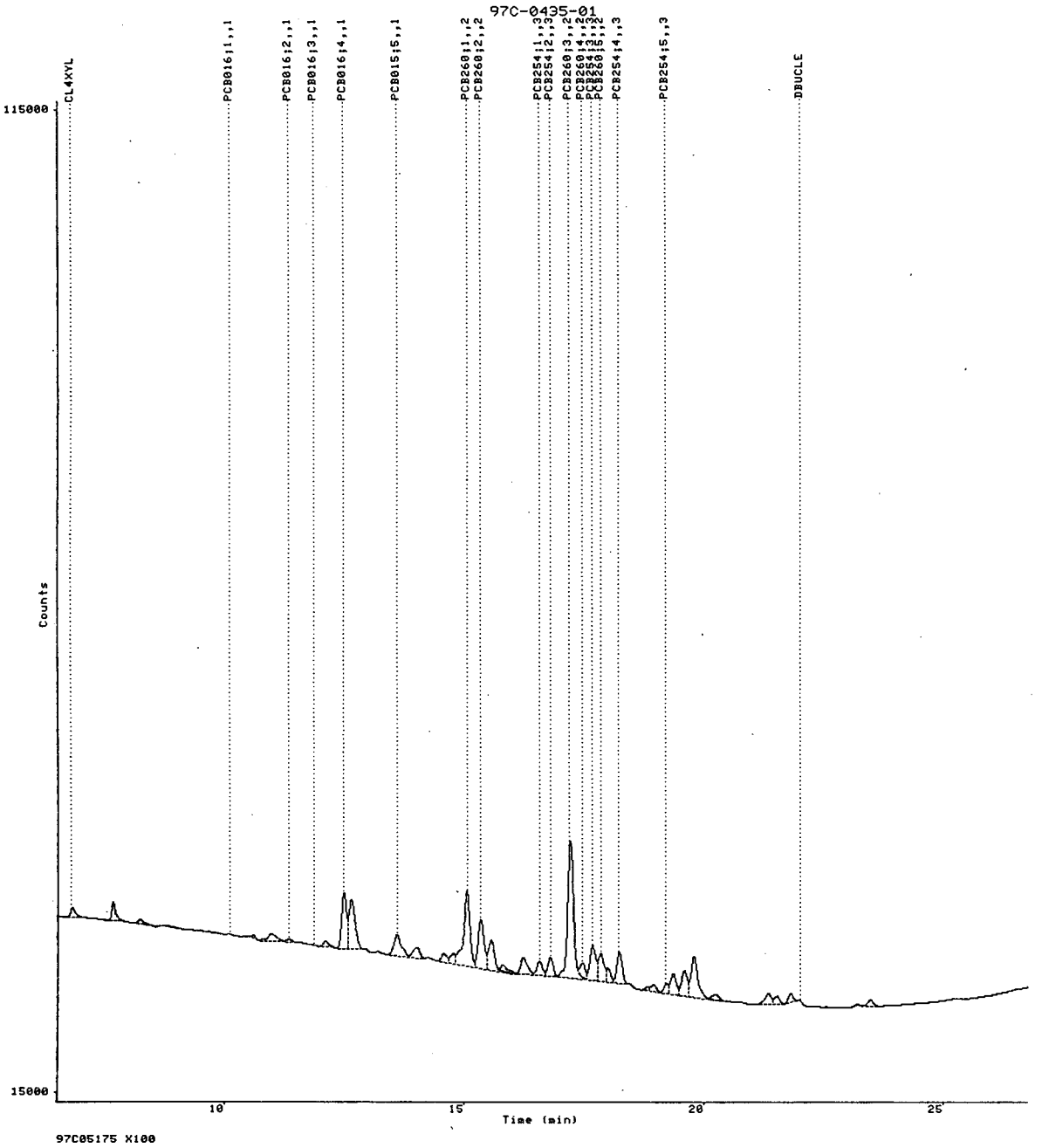
GROUP REPORT

Group	UG/ML
1	21.08
2	57.98
3	11.27

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326025.RAW;1
Report: 1197265448
Acquired: 22-NOV-1997 17:34:42
Time range: 6.50-26.75



0317

Date.....15-DEC-1997 17:00:15.46 User: TAYLORC
Report number.....1197265449
Raw file.....DISK:[TAYLORC]5697326026.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 18:11:30
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....57
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;3	1	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.806	-2.02	0.01824-	1100		BB	
	7.669			30629		BE	
	8.237			1307		EB	
	8.826			123		BB	
	9.547			78		BB	
	9.810			198		BV	
PCB016;1	10.102	-0.10	1.591	1534		VV	1

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	10.456			2242	VB	
	10.814			1758	BV	
	11.042			2194	VV	
PCB016;2	11.355	-1.06	3.264	4196	VE	1
	11.623			416	EB	
	12.113			1372	BB	
PCB016;4	12.491	0.38	60.08	19306	BV	1
	12.666			13206	VV	
	13.169			908	VB	
PCB015;5	13.605	-0.13	11.12	5148	BB	1
	13.994			4130	BV	
	14.358			1785	VV	
	14.579			7075	VV	
	14.778			8737	VV	
	14.912			6212	VV	
PCB260;1	15.064	0.64	71.00	23786	VV	2
PCB260;2	15.346	0.16	73.51	27232	VV	2
	15.576			16457	VE	
	15.798			2780	EB	
	16.239			7431	BB	
PCB254;1	16.574	0.00	22.56	10176	BV	3
PCB254;2	16.806	0.02	20.11	14891	VV	3
	17.041			6078	VV	
PCB260;3	17.240	-2.37		178448	VE	2
PCB260;4	17.460	1.03	18.72	6578	EV	2
PCB254;3	17.686	-0.76	24.20	27554	VV	3
PCB260;5	17.855	0.53	16.68	15520	VV	2
	17.995			7284	VV	
PCB254;4	18.244	-0.61	29.32	19052	VB	3
	18.957			5944	BV	
PCB254;5	19.221	-0.37	21.19	12894	VV	3
	19.366			14788	VV	
	19.604			12480	VV	
	19.801			30391	VV	
	20.268			4869	VE	
	20.625			212	EB	
	21.353			9964	BV	
	21.527			8425	VV	
	21.819			8571	VE	
	22.314			431	EB	
	23.209			1433	BV	
	23.473			4712	VE	
	23.863			332	EB	
	24.425			67	BB	
	24.766			219	BB	
	25.039			236	BV	
	25.239			696	VB	
	26.496			260	BB	
	27.577			706	BB	
	29.133			131	BB	

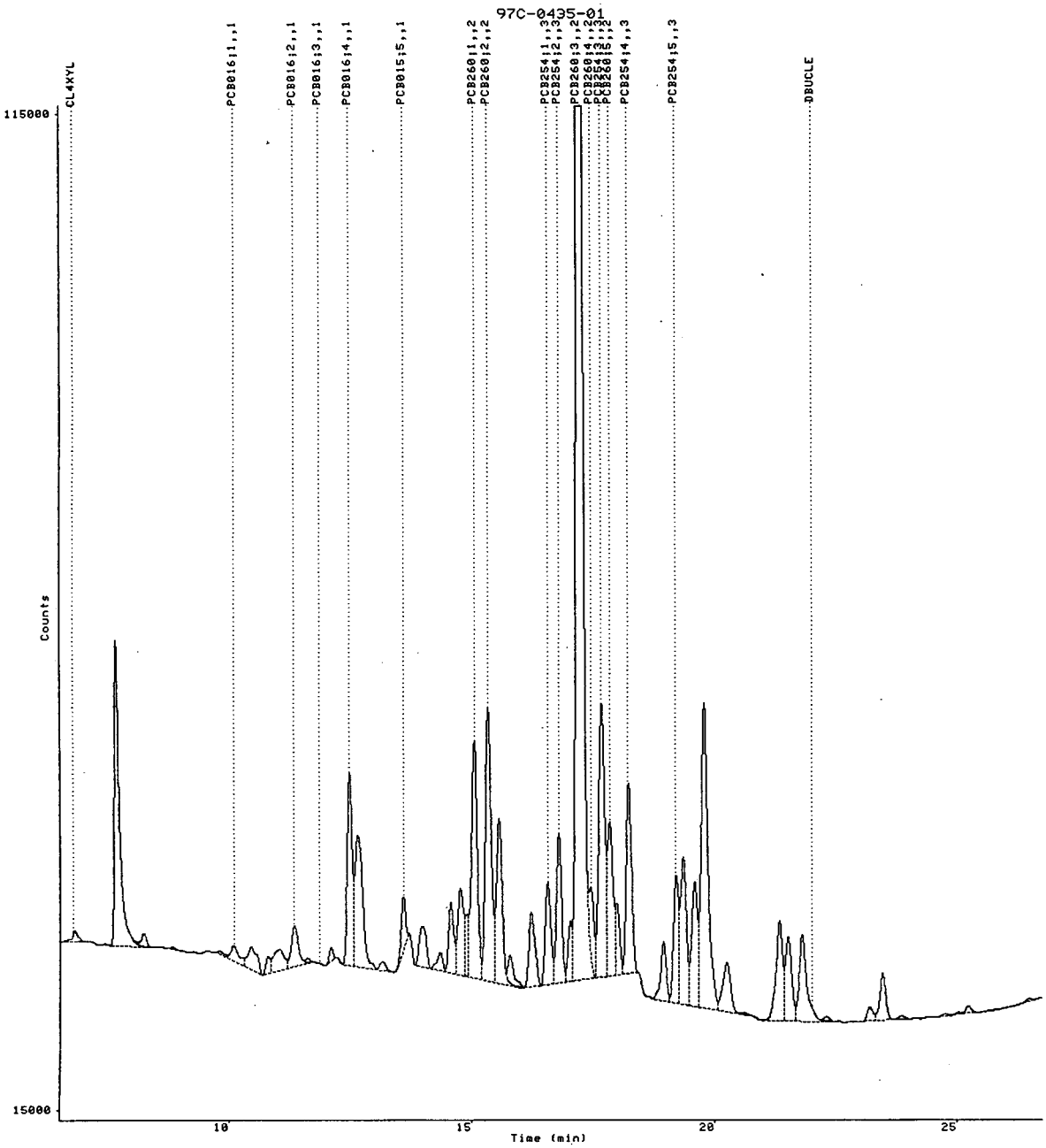
GROUP REPORT

Group	UG/ML
1	76.06
2	179.9
3	117.4

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326026.RAW;1
Report: 1197265449
Acquired: 22-NOV-1997 18:11:30
Time range: 6.50-26.75



97C05176 X100

0321

Date.....15-DEC-1997 17:00:43.79 User: TAYLORC
Report number.....1197265451
Raw file.....DISK:[TAYLORC]5697326028.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 19:24:59
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176MS X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....57
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.05	-0.02333-	916			BB	
	7.669			25307			BE	
	8.239			1180			EB	
	8.825			291			BB	
	9.254			93			BB	
	9.543			77			BB	
	9.812			239			BV	

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PCB016;1	10.102	-0.14	1.548	1506	VV	1
	10.457			1904	VB	
	10.816			1437	BV	
	11.045			1816	VV	
PCB016;2	11.356	-1.12	2.731	3545	VE	1
	11.620			314	EB	
	12.114			1240	BB	
PCB016;4	12.491	0.33	48.63	15881	BV	1
	12.670			11880	VE	
	13.169			1036	EV	
PCB015;5	13.605	-0.10	13.58	6242	VV	1
	13.720			3667	VV	
	13.994			4541	VV	
	14.358			2122	VV	
	14.580			6153	VV	
	14.782			7886	VV	
	14.908			5927	VV	
PCB260;1	15.066	0.56	61.49	20855	VV	2
PCB260;2	15.347	0.14	63.47	23977	VV	2
	15.577			13435	VE	
	15.801			2323	EB	
	16.239			6357	BB	
PCB254;1	16.574	-0.00	18.26	8482	BV	3
PCB254;2	16.805	0.03	15.95	12074	VB	3
	17.040			3882	BV	
PCB260;3	17.241	-2.41		138266	VE	2
PCB260;4	17.462	0.93	9.561	3457	EB	2
PCB254;3	17.686	-0.78	17.02	19689	BV	3
PCB260;5	17.853	0.64	9.064	8633	VB	2
PCB254;4	18.245	-0.64	27.28	17770	BB	3
	18.957			5444	BV	
PCB254;5	19.221	-0.38	17.55	10740	VV	3
	19.366			13378	VV	
	19.605			11460	VV	
	19.801			27677	VE	
	20.266			4393	EB	
	21.353			8992	BV	
	21.525			7934	VV	
	21.819			8749	VE	
	22.316			425	EB	
	22.901			121	BB	
	23.207			1535	BV	
	23.474			4754	VB	
	23.861			330	BB	
	24.446			103	BB	
	24.767			176	BB	
	25.037			290	BV	
	25.237			812	VB	
	26.490			285	BB	
	27.575			653	BB	

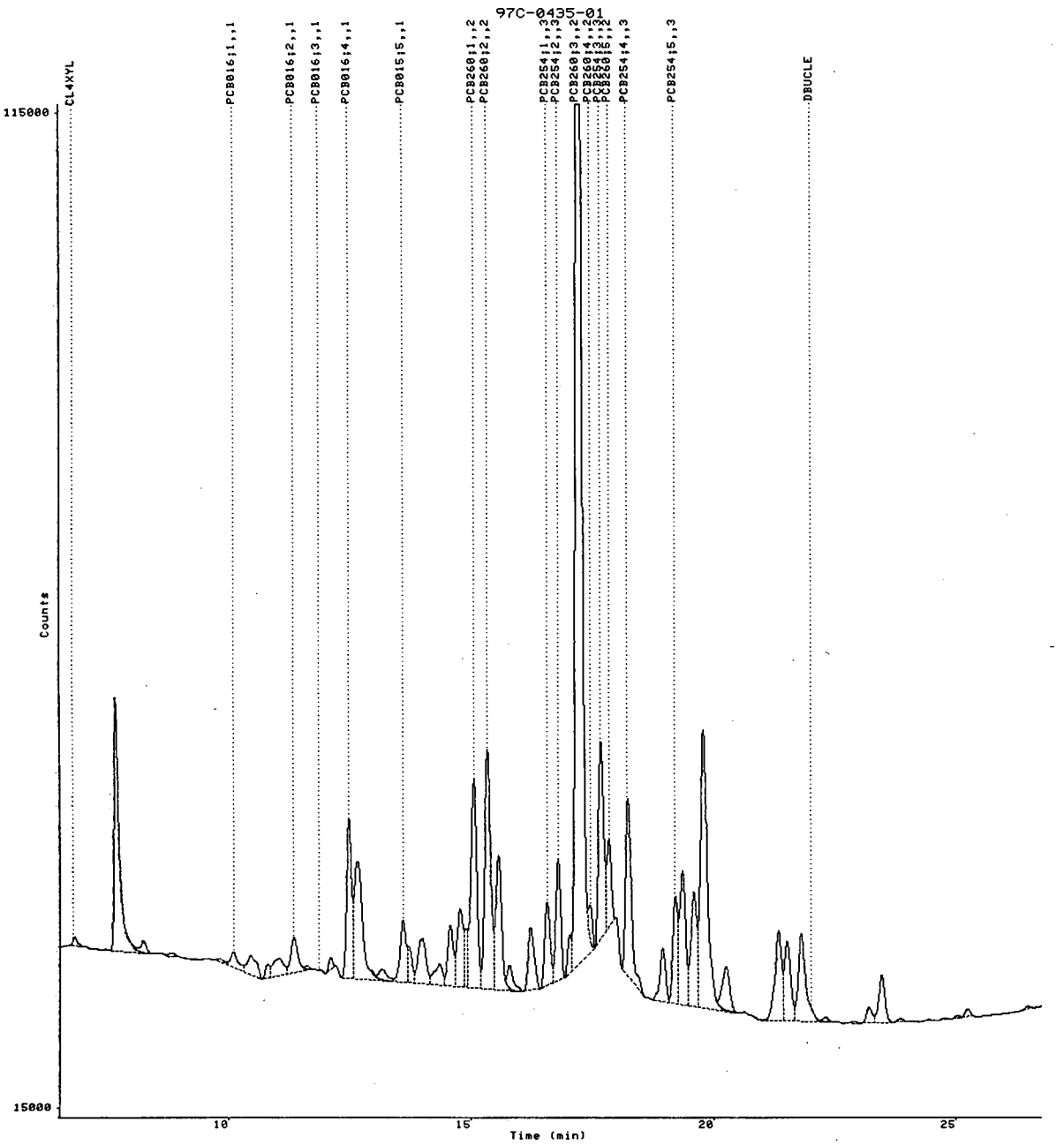
GROUP REPORT

Group	UG/ML
1	66.50
2	143.6
3	96.06

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326028.RAW;1
Report: 1197265451
Acquired: 22-NOV-1997 19:24:59
Time range: 6.50-26.75



97C05176MS X100

0325

Date.....15-DEC-1997 17:00:57.41 User: TAYLORC
Report number.....1197265452
Raw file.....DISK:[TAYLORC]5697326029.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 20:01:42
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176MSD X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....53
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.14	-0.03643-	858			BB	
	7.670			25264			BE	
	8.239			1279			EB	
	9.812			182			BV	
PCB016;1	10.102	-0.10	1.567	1518			VV	1
	10.460			1825			VB	
	10.815			1375			BV	

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	11.046			1910	VV	
PCB016;2	11.356	-1.12	2.704	3512	VE	1
	11.618			309	EB	
	12.112			1087	BB	
PCB016;4	12.492	0.32	46.66	15278	BV	1
	12.668			10791	VV	
	13.169			732	VB	
PCB015;5	13.606	-0.17	13.51	6211	BV	1
	13.994			4088	VV	
	14.360			1942	VV	
	14.581			6032	VV	
	14.782			7436	VV	
	14.912			5695	VV	
PCB260;1	15.065	0.59	59.47	20224	VV	2
PCB260;2	15.347	0.13	60.68	23046	VV	2
	15.577			13937	VE	
	15.800			2232	EB	
	16.239			6253	BV	
PCB254;1	16.575	-0.05	19.18	8848	VV	3
PCB254;2	16.807	-0.09	17.09	12849	VV	3
	17.040			5940	VV	
PCB260;3	17.243	-2.50		157091	VE	2
PCB260;4	17.462	0.92	17.27	6090	EV	2
PCB254;3	17.687	-0.87	21.34	24447	EV	3
PCB260;5	17.855	0.51	16.22	15110	VV	2
	17.992			7971	VV	
PCB254;4	18.245	-0.66	28.58	18587	VB	3
	18.959			5160	BV	
PCB254;5	19.223	-0.45	17.26	10570	VV	3
	19.366			12906	VV	
	19.604			10936	VV	
	19.802			26480	VE	
	20.268			4161	EB	
	21.355			8640	BV	
	21.527			7500	VV	
	21.819			8231	VE	
	22.317			405	EB	
	23.207			1486	BV	
	23.474			4473	VE	
	23.862			323	EB	
	24.770			125	BB	
	25.040			261	BV	
	25.238			801	VB	
	26.492			290	BB	
	27.578			624	BB	
	28.648			274	BB	

GROUP REPORT

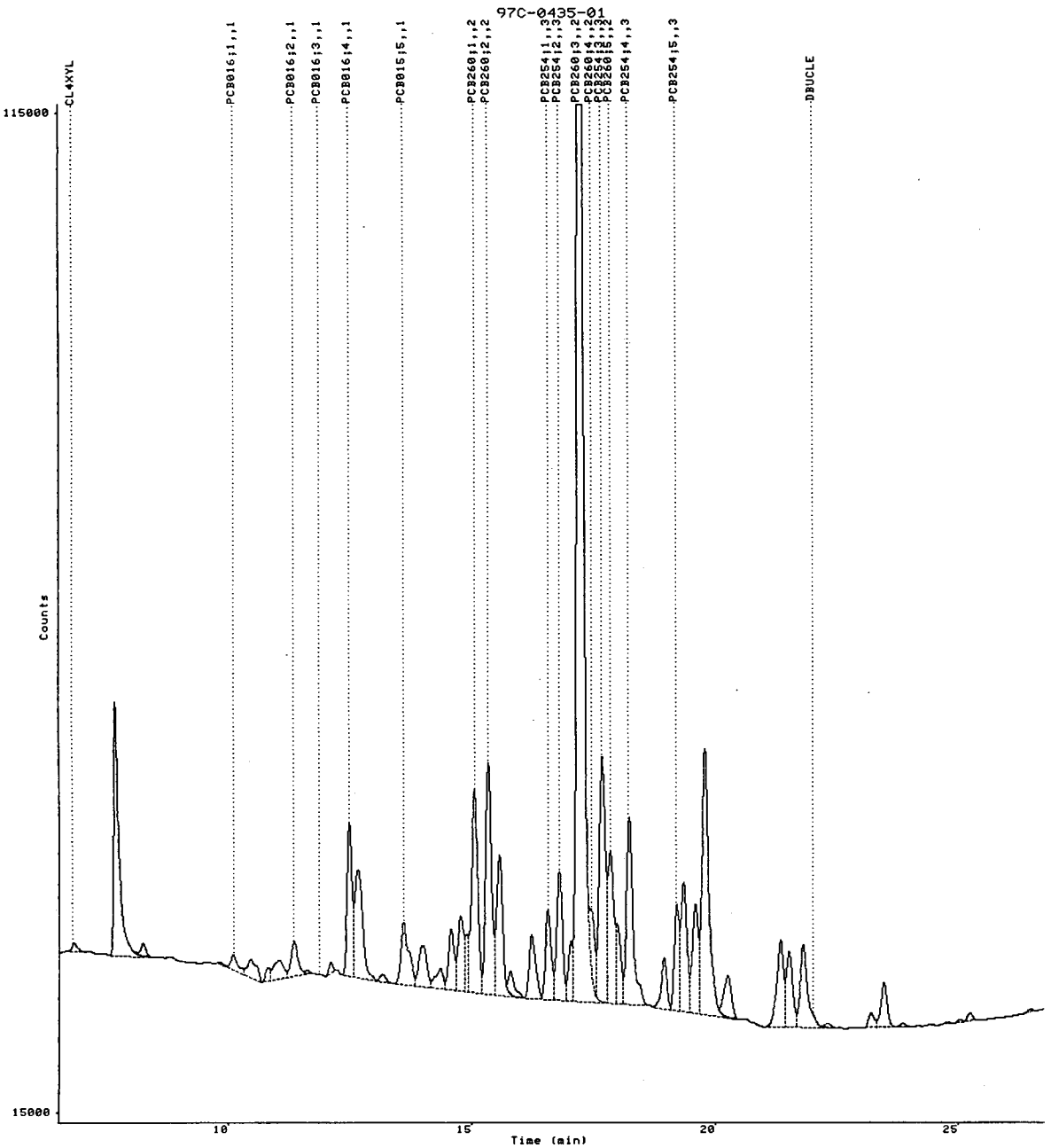
Group	UG/ML
1	64.45
2	153.6
3	103.5

0327

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326029.RAW;1
Report: 1197265452
Acquired: 22-NOV-1997 20:01:42
Time range: 6.50-26.75



97C05176MSD X100

Date.....15-DEC-1997 17:01:10.93 User: TAYLORC
Report number.....1197265453
Raw file.....DISK:[TAYLORC]5697326030.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 20:38:27
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05177 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.05	-0.03304-	873			BB	
	7.668			17889			BE	
	8.239			1177			EB	
	8.828			139			BB	
PCB016;1	10.102	-0.12	0.4889 -	811			BB	1
	10.460			673			BB	
	10.812			1005			BV	

0330

	11.031			1370	VV	
PCB016;2	11.355	-1.06	2.251	2958	VE	1
	11.617			254	EB	
	12.113			1179	BB	
PCB016;4	12.492	0.30	38.46	12730	BV	1
	12.663			10144	VB	
	13.168			625	BB	
PCB015;5	13.605	-0.12	8.565	4006	BB	1
	14.005			3181	BB	
	14.360			1598	BV	
	14.580			6613	VV	
	14.780			7408	VV	
PCB260;1	15.064	0.66	65.22	22012	VV	2
PCB260;2	15.347	0.10	66.94	25121	VV	2
	15.576			15307	VE	
	15.794			2409	EB	
	16.240			6549	BV	
PCB254;1	16.574	-0.03	21.51	9766	VV	3
PCB254;2	16.806	-0.01	19.58	14533	VV	3
	17.040			6665	VV	
PCB260;3	17.238	-2.21		113656	VE	2
PCB260;4	17.468	0.54	21.53	7514	EV	2
PCB254;3	17.686	-0.76	24.66	28061	VV	3
PCB260;5	17.853	0.68	18.28	16932	VV	2
	17.994			8803	VV	
PCB254;4	18.243	-0.56	32.33	20935	VB	3
	18.958			5746	BV	
PCB254;5	19.220	-0.32	20.72	12620	VV	3
	19.365			14613	VV	
	19.604			12425	VV	
	19.800			30088	VV	
	20.267			4841	VB	
	21.353			10045	BV	
	21.527			8640	VV	
	21.819			8599	VE	
	22.315			752	EV	
	22.571			235	EB	
	23.208			1434	BV	
	23.472			4693	VE	
	23.858			337	EB	
	24.777			74	BB	
	25.038			243	BV	
	25.236			716	VB	
	26.488			272	BB	
	27.574			685	BB	

GROUP REPORT

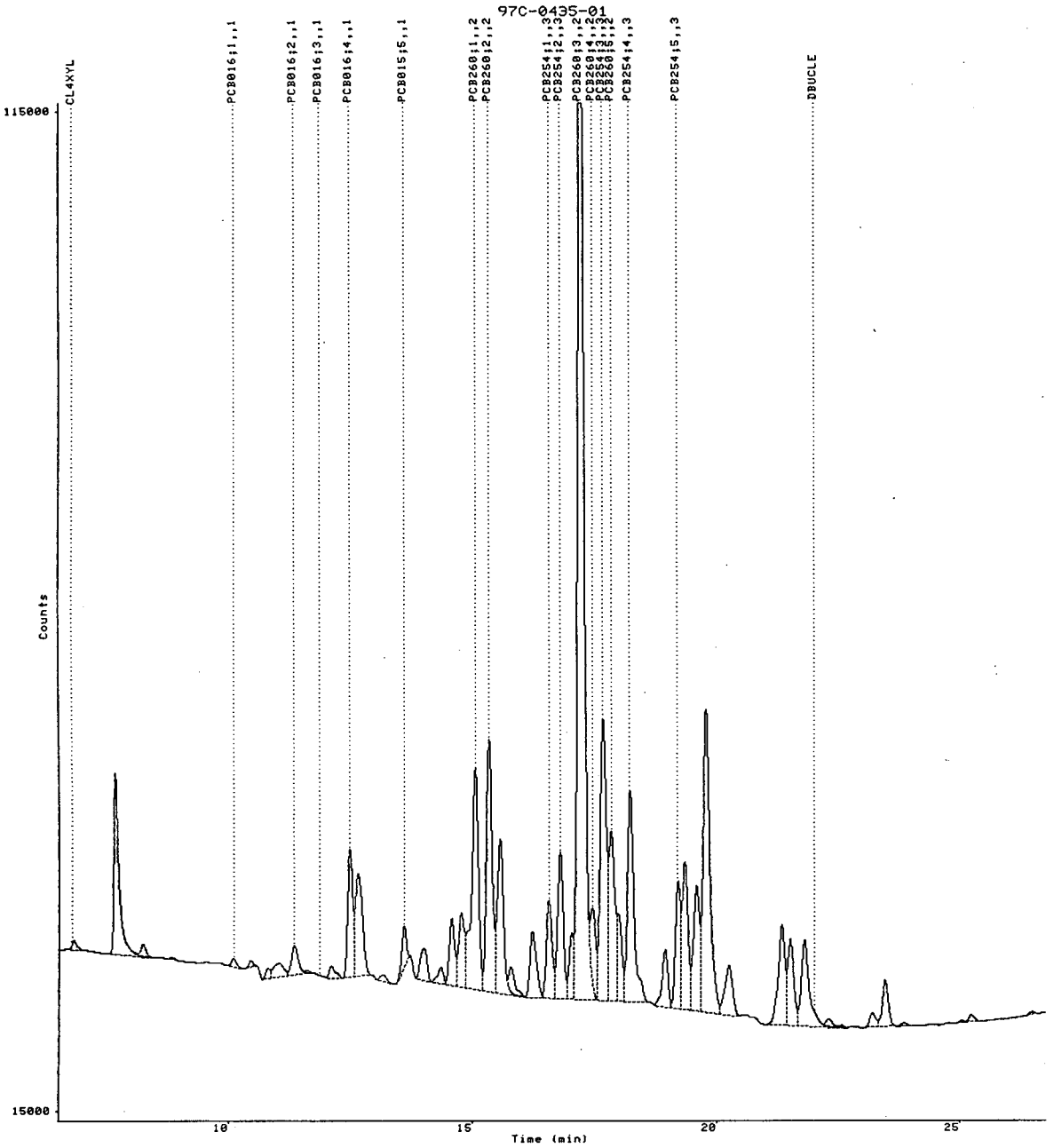
Group	UG/ML
1	49.77
2	172.0
3	118.8

0331

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326030.RAW;1
Report: 1197265453
Acquired: 22-NOV-1997 20:38:27
Time range: 6.50-26.75



97C05177 X100

0332

Date.....15-DEC-1997 17:01:24.42 User: TAYLORC
Report number.....1197265454
Raw file.....DISK:[TAYLORC]5697326031.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 21:15:10
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05178 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....5
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.34	PCB016;2	1		
11.88	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB015;5	1		
15.08	PCB260;1	2		
15.35	PCB260;2	2		
16.57	PCB254;1	3		
16.81	PCB254;2	3		
17.48	PCB260;4	2		
17.67	PCB254;3	3		
17.86	PCB260;5	2		
18.23	PCB254;4	3		
19.22	PCB254;5	3		

0333

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.807	-2.07	-0.05044-	796			BB	
	13.151			32			BB	
PCB260;3	17.207	-0.36	-3.993E-03-	110			BB	2
DBUCLE	21.995	1.03	-0.07662-	469			BB	
	27.575			630			BB	

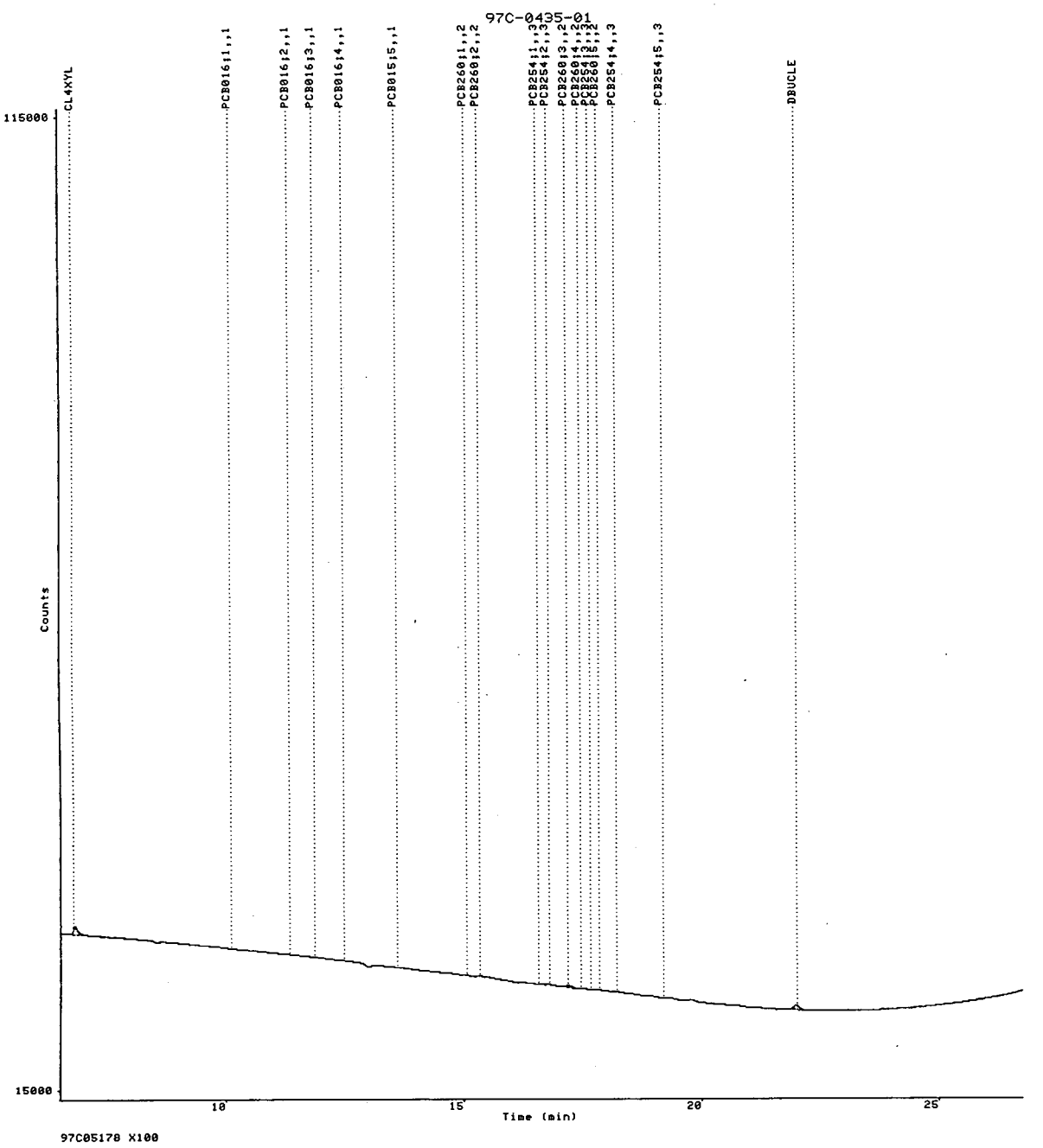
GROUP REPORT

Group	UG/ML
2	-3.993E-03

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326031.RAW;1
Report: 1197265454
Acquired: 22-NOV-1997 21:15:10
Time range: 6.50-26.75



0335

Date.....15-DEC-1997 17:01:37.56 User: TAYLORC
Report number.....1197265455
Raw file.....DISK:[TAYLORC]5697326032.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 21:51:51
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05179 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....28
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.34	PCB016;2	1		
11.88	PCB016;3	1		
13.60	PCB015;5	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.805	-2.00	-0.05812-	762			BB	
	7.661			447			BB	
PCB016;4	12.494	0.17	1.224	327			BV	1
	12.659			429			VB	
	14.575			100			BB	

0336

PCB260;1	15.064	0.63	1.115		768	BB	2
PCB260;2	15.351	-0.09	2.417		1016	BV	2
	15.576				675	VB	
	16.236				239	BV	
PCB254;1	16.571	0.17	-1.677	-	286	VV	3
PCB254;2	16.804	0.14	-0.5675	-	489	VB	3
	17.040				128	BV	
PCB260;3	17.215	-0.87	2.574		2035	VB	2
PCB260;4	17.474	0.19	0.1144	-	142	BB	2
PCB254;3	17.691	-1.08	0.5414	-	877	BV	3
PCB260;5	17.856	0.46	0.3339	-	481	VB	2
PCB254;4	18.244	-0.59	1.793		1114	BB	3
	18.951				161	BB	
PCB254;5	19.233	-1.09	0.6600	-	398	BV	3
	19.363				626	VV	
	19.604				601	VV	
	19.804				1488	VB	
	21.355				247	BV	
	21.525				210	VB	
	21.818				336	BV	
DBUCLE	21.992	1.19	-0.06046	-	521	VB	
	23.473				147	BB	
	27.571				647	BB	

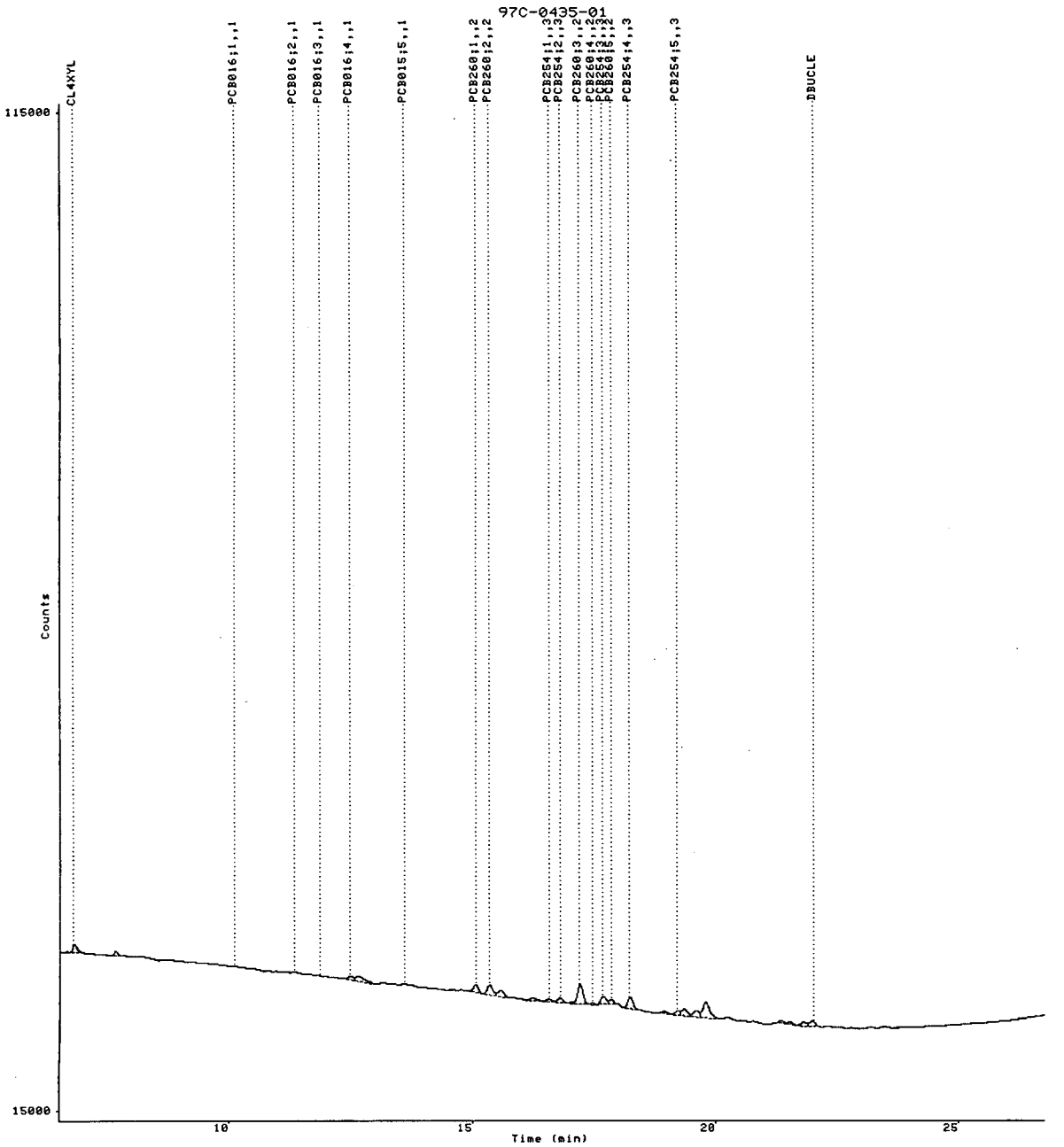
GROUP REPORT

Group	UG/ML
1	1.224
2	6.554
3	0.7496 $\times \frac{5}{3} = 1.249$

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326032.RAW;1
Report: 1197265455
Acquired: 22-NOV-1997 21:51:51
Time range: 6.50-26.75



97C05179 X100

0338

Date.....15-DEC-1997 17:01:51.10 User: TAYLORC
Report number.....1197265456
Raw file.....DISK:[TAYLORC]5697326033.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 22:28:34
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05180 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....3
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.34	PCB016;2	1		
11.88	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB015;5	1		
15.08	PCB260;1	2		
15.35	PCB260;2	2		
16.57	PCB254;1	3		
16.81	PCB254;2	3		
17.20	PCB260;3	2		
17.48	PCB260;4	2		
17.67	PCB254;3	3		
17.86	PCB260;5	2		
18.23	PCB254;4	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

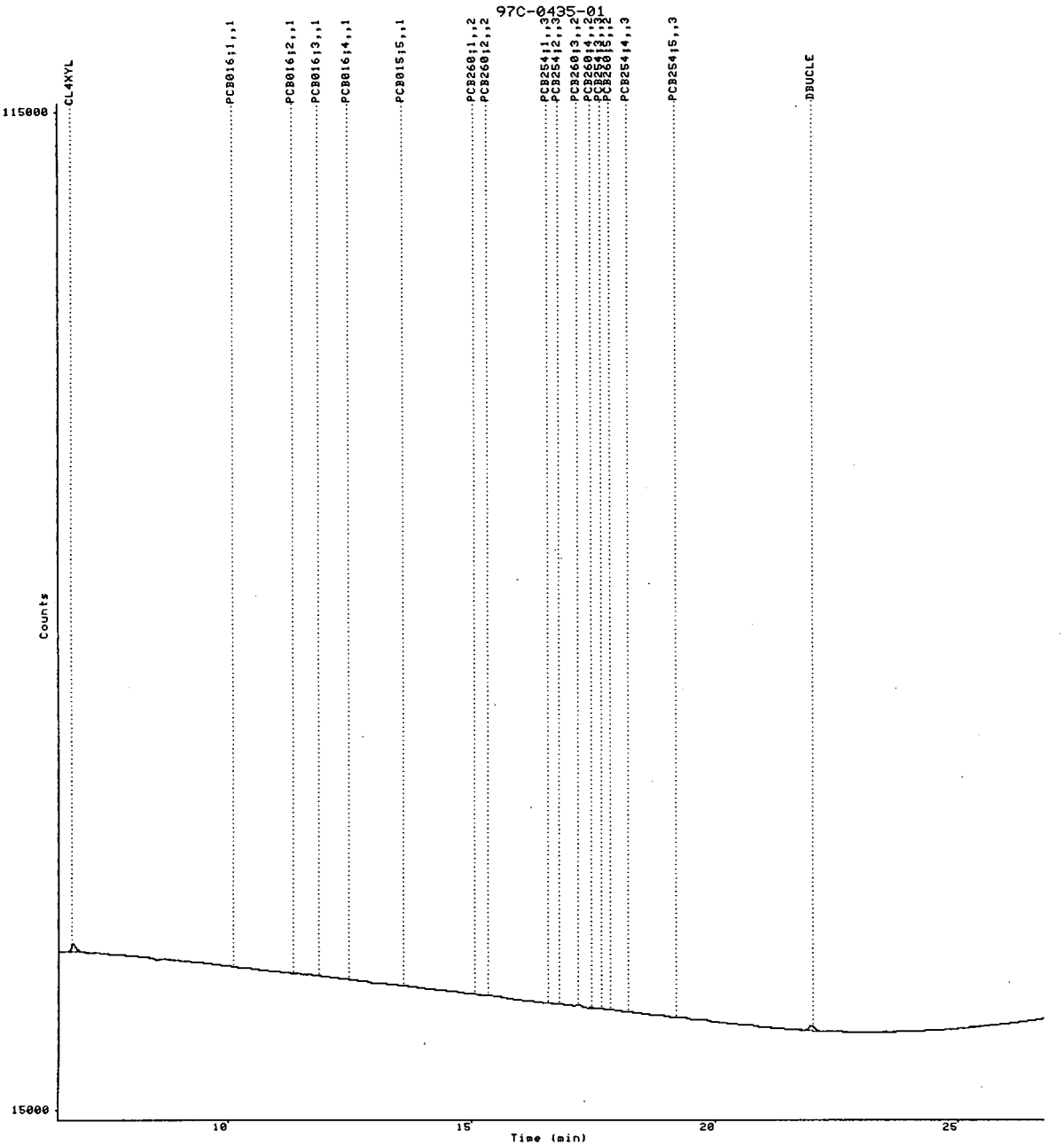
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.02	-0.04863-	804			BB	
DBUCLE	21.993	1.12	-0.07165-	485			BB	
	27.571			646			BB	

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326033.RAW;1
Report: 1197265456
Acquired: 22-NOV-1997 22:28:34
Time range: 6.50-26.75



97C05180 X100

0341

Date.....15-DEC-1997 17:02:03.92 User: TAYLORC
Report number.....1197265457
Raw file.....DISK:[TAYLORC]5697326034.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 23:05:19
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05181 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....56
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.03	-0.05112-	793			BB	
	7.666			6530			BV	
	8.240			1369			VB	
	8.828			112			BB	
PCB016;1	10.099	0.06	0.05252-	524			BB	1
	10.464			590			BV	
	10.581			910			VB	

0342

	10.812			846	BV	
	11.037			1024	VV	
PCB016;2	11.357	-1.22	1.533	2079	VE	1
	11.621			183	EB	
	12.112			565	BB	
PCB016;4	12.494	0.17	26.69	8956	BV	1
	12.659			7665	VB	
	13.168			444	BB	
PCB015;5	13.603	-0.02	10.79	4999	BV	1
	14.014			3341	VV	
	14.351			1615	VV	
	14.579			5539	VV	
	14.783			6413	VV	
PCB260;1	15.063	0.72	81.44	26927	VV	2
PCB260;2	15.344	0.32	84.19	30532	VV	2
	15.574			18989	VE	
	15.793			2528	EV	
	16.238			7724	VV	
PCB254;1	16.573	0.08	26.21	11588	VV	3
PCB254;2	16.806	0.02	25.34	18377	VV	3
	17.036			8910	VV	
PCB260;3	17.218	-1.02	104.3	63770	VE	2
PCB260;4	17.471	0.38	27.05	9334	EV	2
PCB254;3	17.687	-0.83	28.11	31769	VV	3
PCB260;5	17.851	0.77	23.29	21322	VV	2
	17.999			12227	VV	
PCB254;4	18.242	-0.48	42.10	26934	VE	3
	18.637			184	EV	
	18.957			8577	VV	
PCB254;5	19.221	-0.36	25.74	15558	VV	3
	19.365			19461	VV	
	19.602			16379	VV	
	19.800			39080	VE	
	20.268			6893	EV	
	20.604			1107	VV	
	20.796			678	VB	
	21.354			12814	BV	
	21.527			10733	VV	
	21.817			11057	VE	
	22.313			1076	EV	
	22.571			253	EB	
	23.205			1904	BV	
	23.471			6083	VE	
	23.853			493	EB	
	25.032			322	BV	
	25.235			926	VB	
	26.484			335	BB	
	27.572			706	BV	
	29.304			152	VB	

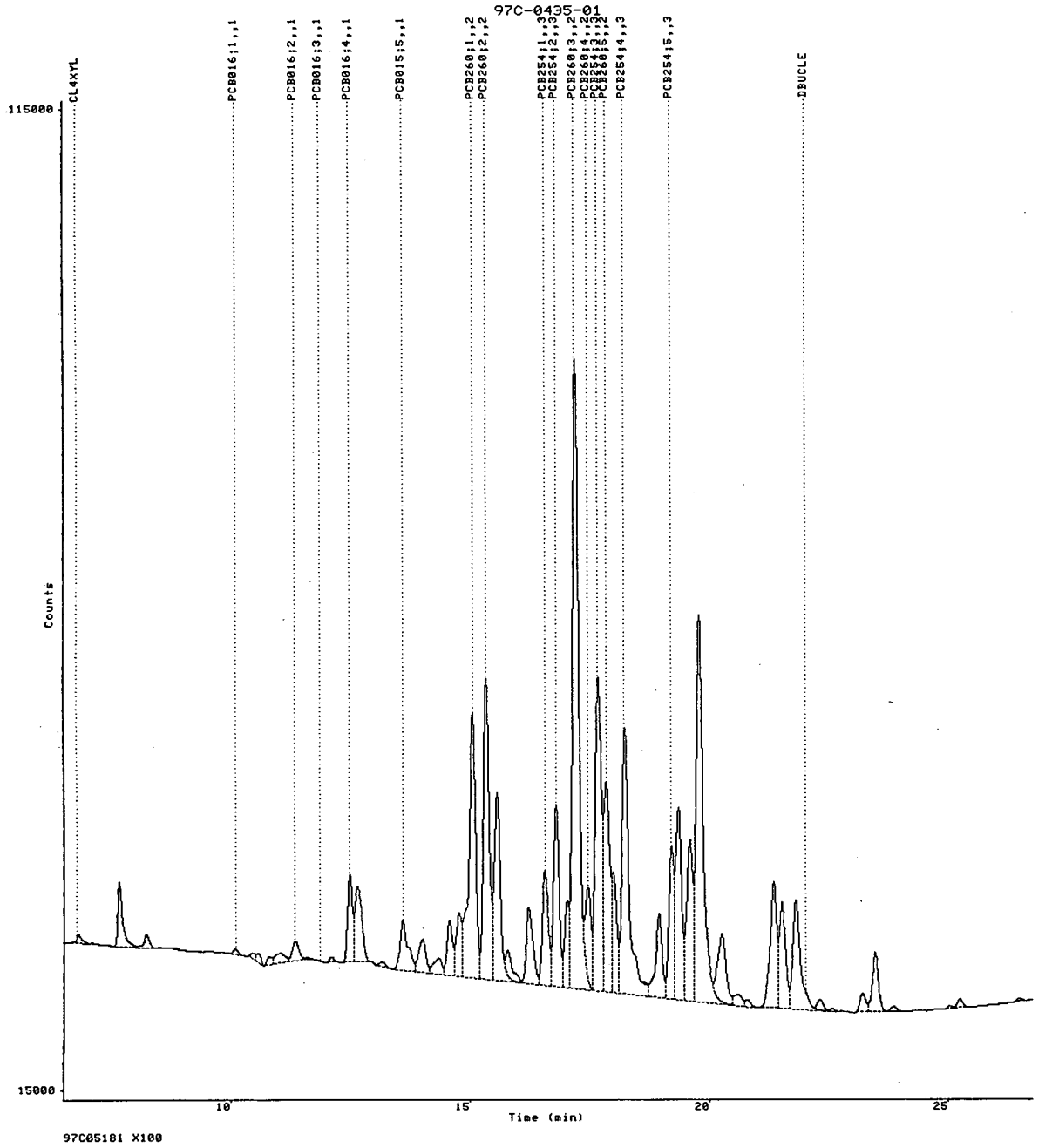
GROUP REPORT

Group	UG/ML
1	39.06
2	320.3
3	147.5

ANALYSIS NOTES

```
---------------------------------------------------------------------------
  1: WARNING: Peak windows overlap. Check peak identification. (245)
  2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)
---------------------------------------------------------------------------
```

Data file: DISK:[TAYLORC]5697326034.RAW;1
Report: 1197265457
Acquired: 22-NOV-1997 23:05:19
Time range: 6.50-26.75



0345

Date.....15-DEC-1997 17:02:17.89 User: TAYLORC
Report number.....1197265458
Raw file.....DISK:[TAYLORC]5697326035.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....22-NOV-1997 23:42:02
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05182 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....48
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
17.48	PCB260;4	2		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.06	0.06773-	1319			BB	
	7.441			118			BB	
	7.667			29973			BE	
	8.239			1259			EB	
	8.817			276			BB	
	9.270			98			BB	

0346

	9.555			138	BB	
PCB016;1	10.101	-0.06	1.261	1318	BV	1
	10.460			1107	VB	
	10.810			1155	BV	
	11.015			2037	VV	
PCB016;2	11.353	-0.98	2.943	3804	VB	1
	12.114			675	BB	
PCB016;4	12.489	0.48	41.17	13579	BV	1
	12.644			6847	VB	
	13.181			462	BB	
PCB015;5	13.604	-0.03	8.661	4049	BV	1
	14.009			2164	VB	
	14.364			846	BV	
	14.580			4073	VV	
	14.778			4407	VV	
PCB260;1	15.065	0.57	30.49	10863	VV	2
PCB260;2	15.345	0.22	32.32	12943	VV	2
	15.582			6910	VE	
	15.799			1512	EB	
	16.239			3801	BV	
PCB254;1	16.576	-0.10	9.634	5009	VV	3
PCB254;2	16.806	-0.00	8.672	7048	VV	3
	17.046			3036	VV	
PCB260;3	17.243	-2.50		153348	VE	2
PCB254;3	17.688	-0.88	11.88	13925	EV	3
PCB260;5	17.852	0.71	8.023	7676	EV	2
	17.996			3630	VV	
PCB254;4	18.245	-0.63	13.72	9050	VB	3
	18.957			2556	BV	
PCB254;5	19.225	-0.59	10.36	6408	VV	3
	19.365			7582	VV	
	19.605			5973	VV	
	19.802			15254	VE	
	20.271			2328	EB	
	21.356			4856	BV	
	21.527			3801	VV	
	21.820			3681	VB	
	23.210			501	BV	
	23.473			2008	VB	
	25.242			208	BB	
	26.500			58	BB	
	27.573			788	BB	

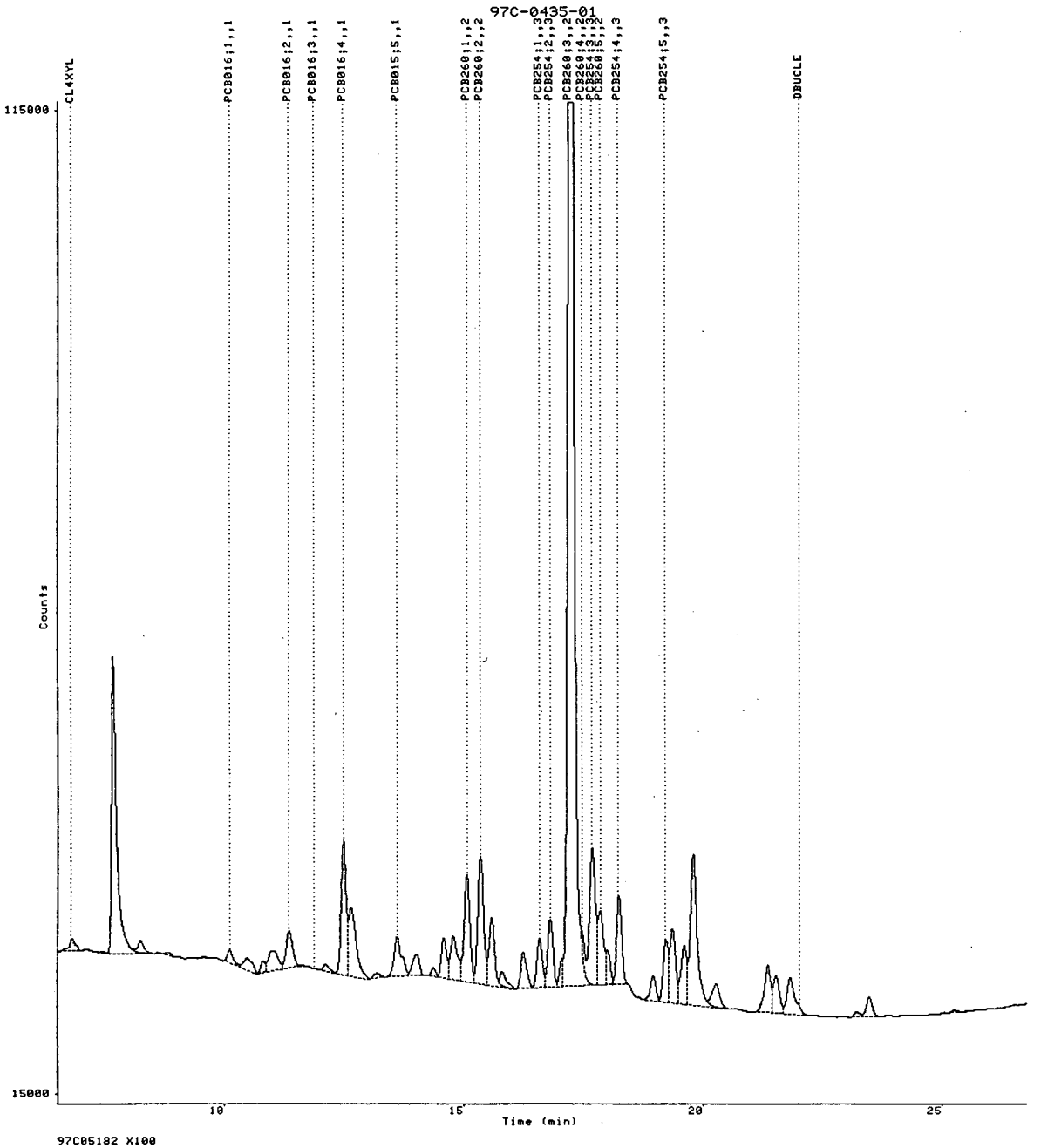
GROUP REPORT

Group	UG/ML
1	54.03
2	70.84
3	54.27

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326035.RAW;1
Report: 1197265458
Acquired: 22-NOV-1997 23:42:02
Time range: 6.50-26.75



0348

Date.....15-DEC-1997 17:02:31.92 User: TAYLORC
Report number.....1197265459
Raw file.....DISK:[TAYLORC]5697326036.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....23-NOV-1997 00:18:48
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05183 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....52
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;3	1	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.808	-2.14	-0.04366-	826		BB	
	7.669			21396		BE	
	8.239			1246		EB	
PCB016;1	10.103	-0.17	0.4234 -	768		BB	1
	10.460			650		BB	
	10.817			1227		BV	
	11.038			1447		VV	

0349

PCB016;2	11.357	-1.19	2.160	2847	VE	1
	11.618			283	EB	
	12.112			958	BB	
PCB016;4	12.493	0.27	41.85	13791	BV	1
	12.668			10089	VB	
	13.168			595	BB	
PCB015;5	13.605	-0.14	13.29	6112	BV	1
	13.997			3801	VV	
	14.358			1822	VV	
	14.580			6001	VV	
	14.783			7395	VV	
	14.909			5754	VV	
PCB260;1	15.064	0.64	63.56	21499	VV	2
PCB260;2	15.346	0.20	66.26	24897	VV	2
	15.577			14974	VE	
	15.799			2177	EB	
	16.239			6551	BV	
PCB254;1	16.575	-0.05	20.82	9495	VV	3
PCB254;2	16.805	0.05	18.96	14117	VV	3
	17.040			6392	VV	
PCB260;3	17.240	-2.34		134582	VE	2
PCB260;4	17.461	0.98	19.85	6956	EV	2
PCB254;3	17.687	-0.82	23.20	26471	VV	3
PCB260;5	17.852	0.70	17.79	16504	VV	2
	17.994			8753	VV	
PCB254;4	18.243	-0.56	31.16	20206	VB	3
	18.958			5737	BV	
PCB254;5	19.222	-0.44	19.32	11789	VV	3
	19.365			14591	VV	
	19.604			12158	VV	
	19.801			29640	VE	
	20.268			4752	EB	
	21.352			9941	BV	
	21.526			8607	VV	
	21.818			8902	VE	
	22.312			524	EB	
	23.208			1469	BV	
	23.472			4823	VE	
	23.861			392	EB	
	24.767			70	BB	
	25.036			256	BV	
	25.236			746	VB	
	26.488			272	BB	
	27.572			625	BB	
	29.017			544	BB	

GROUP REPORT

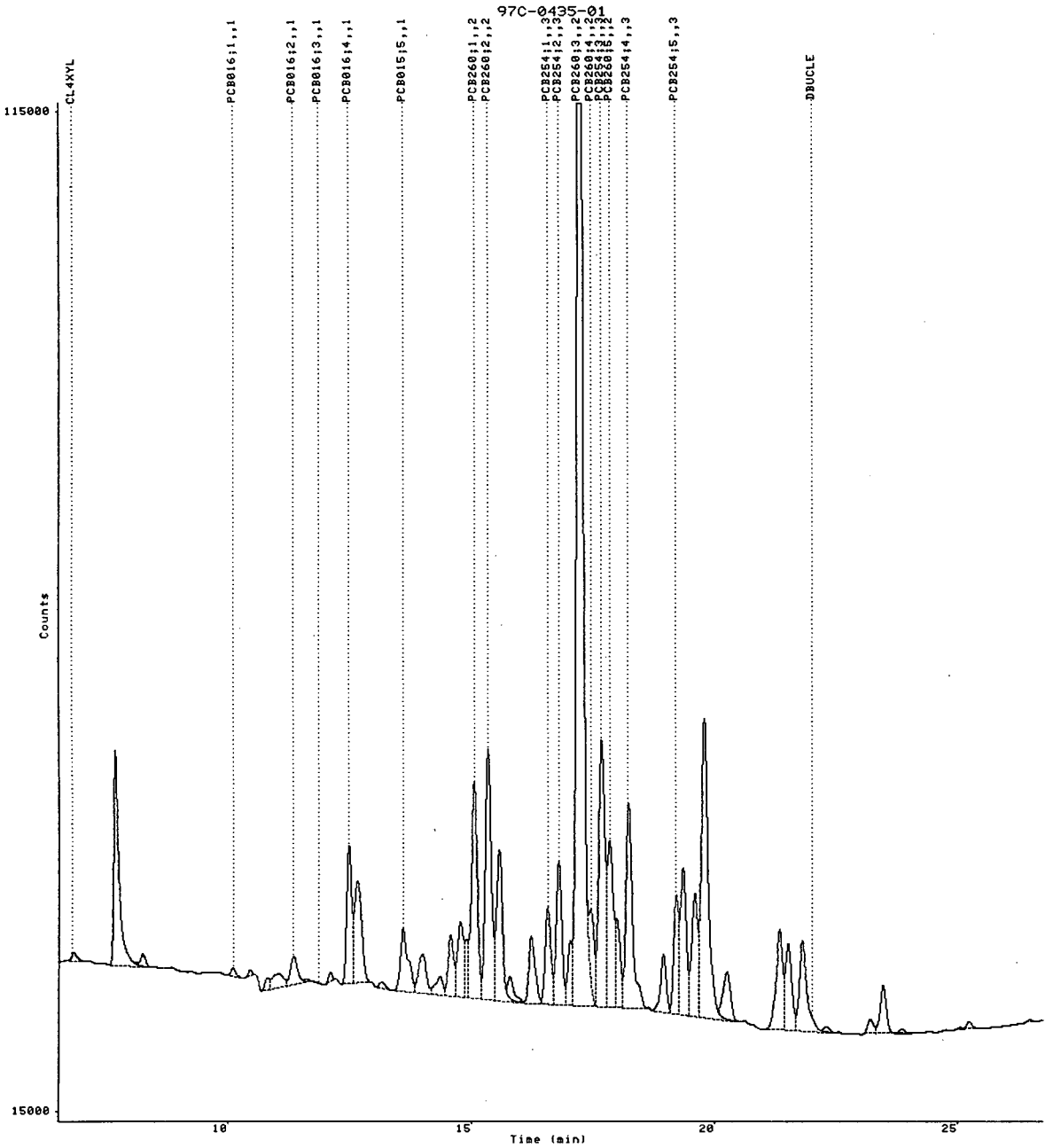
Group	UG/ML
1	57.72
2	167.5
3	113.5

0350

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326036.RAW;1
Report: 1197265459
Acquired: 23-NOV-1997 00:18:48
Time range: 6.50-26.75



97C05103 X100

0351

Date.....15-DEC-1997 17:02:45.27 User: TAYLORC
Report number.....1197265460
Raw file.....DISK:[TAYLORC]5697326037.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....6

Acq. date.....23-NOV-1997 00:55:32
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05184 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....55
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.18	-0.04434-	823			BB	
	7.668			6298			BE	
	8.241			835			EB	
	8.789			159			BB	
PCB016;1	10.101	-0.05	0.7887 -	1008			BB	1
	10.464			420			BV	
	10.596			734			VB	
	10.804			2097			BV	

0352

	11.026				1283	VV	
PCB016;2	11.358	-1.28	10.78		13257	VE	1
PCB016;3	11.891	-0.72	1.595		771	EV	1
	12.111				1979	EV	
PCB016;4	12.494	0.16	58.53		18850	VV	1
	12.654				16365	VE	
	13.182				619	EB	
PCB015;5	13.603	-0.01	24.08		10816	BV	1
	14.024				12293	VV	
	14.365				5476	VV	
	14.578				17565	VV	
	14.781				19200	VV	
PCB260;1	15.064	0.67	115.5		36649	VV	2
PCB260;2	15.343	0.34	118.2		39931	VV	2
	15.579				22976	VV	
	15.779				10765	VV	
	16.238				11570	VV	
PCB254;1	16.572	0.11	37.30		15766	VV	3
PCB254;2	16.806	-0.00	37.13		25997	VV	3
	17.039				12200	VV	
PCB260;3	17.215	-0.84	138.2	+	78177	VE	2
PCB260;4	17.471	0.33	36.27		12292	EV	2
PCB254;3	17.686	-0.78	34.75		38775	VV	3
PCB260;5	17.853	0.67	29.98		27029	VV	2
	18.004				16129	VV	
PCB254;4	18.242	-0.50	50.10		31721	VV	3
	18.957				10644	VV	
PCB254;5	19.222	-0.39	30.60		18350	VV	3
	19.365				24394	VV	
	19.604				20040	VV	
	19.801				45395	VE	
	20.268				7783	EV	
	20.627				743	VB	
	21.352				15449	BV	
	21.528				12817	VV	
	21.819				14335	VE	
	22.315				1158	EV	
	22.568				194	EB	
	22.762				118	BB	
	23.204				2843	BV	
	23.472				7786	VE	
	23.855				568	EB	
	25.034				494	BV	
	25.236				1352	VB	
	26.486				606	BE	
	26.702				111	EB	
	27.573				771	BB	

GROUP REPORT

Group	UG/ML
1	95.78
2	438.2
3	189.9

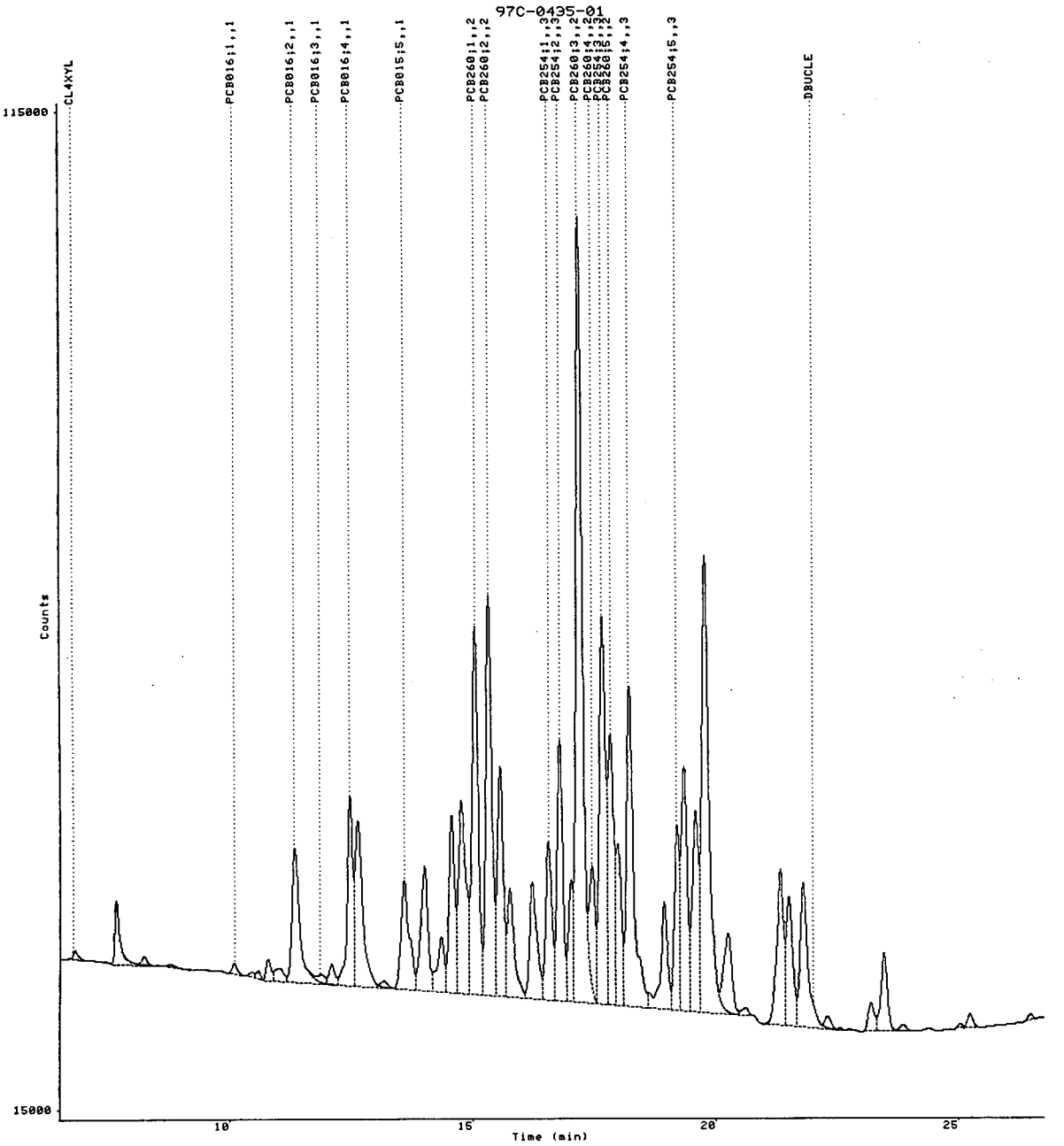
0353

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326037.RAW;1
Report: 1197265460
Acquired: 23-NOV-1997 00:55:32
Time range: 6.50-26.75



97C05184 X100

0355

Date.....15-DEC-1997 17:03:37.50 User: TAYLORC
Report number.....1197265462
Raw file.....DISK:[TAYLORC]5697326039.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....6

Acq. date.....23-NOV-1997 02:09:03
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05185 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....48
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
17.48	PCB260;4	2		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

0356

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.619			46			BB	
CL4XYL	6.808	-2.16	-0.01859-	937			BB	
	7.434			219			BV	
	7.670			18288			VE	
	8.243			2759			EB	
	9.041			65			BB	

	9.264			91	BB	
PCB016;1	10.100	-0.01	0.5862 -	875	BV	1
	10.489			2711	VB	
	11.059			2532	BV	
PCB016;2	11.358	-1.24	1.681	2260	VV	1
	11.626			795	VB	
	12.118			605	BB	
	12.322			124	BV	
PCB016;4	12.493	0.25	22.81	7682	VV	1
	12.636			3069	VB	
	13.206			244	BB	
PCB015;5	13.605	-0.09	3.890	1895	BB	1
	14.015			676	BB	
	14.261			109	BB	
	14.587			1744	BV	
	14.773			2227	VV	
	14.927			4460	VV	
PCB260;1	15.061	0.86	22.86	8298	VV	2
PCB260;2	15.349	0.02	21.26	8684	VV	2
	15.559			7124	VB	
	15.937			2245	BV	
	16.241			3861	VV	
PCB254;1	16.579	-0.29	6.683	3795	VV	3
PCB254;2	16.805	0.06	5.339	4705	VB	3
PCB260;3	17.245	-2.66		120306	BE	2
PCB254;3	17.689	-0.95	4.372	5341	EV	3
PCB260;5	17.855	0.52	2.323	2363	EB	2
PCB254;4	18.241	-0.44	5.913	3883	BB	3
	18.956			1295	BV	
PCB254;5	19.223	-0.50	4.355	2708	VV	3
	19.366			3483	VV	
	19.605			2678	VV	
	19.802			7229	VE	
	20.272			1066	EB	
	21.355			2042	BV	
	21.525			1526	VB	
	21.820			1191	BB	
	23.244			197	BV	
	23.475			958	VB	
	25.252			71	BB	
	27.580			607	BB	
	28.580			198	BB	

GROUP REPORT

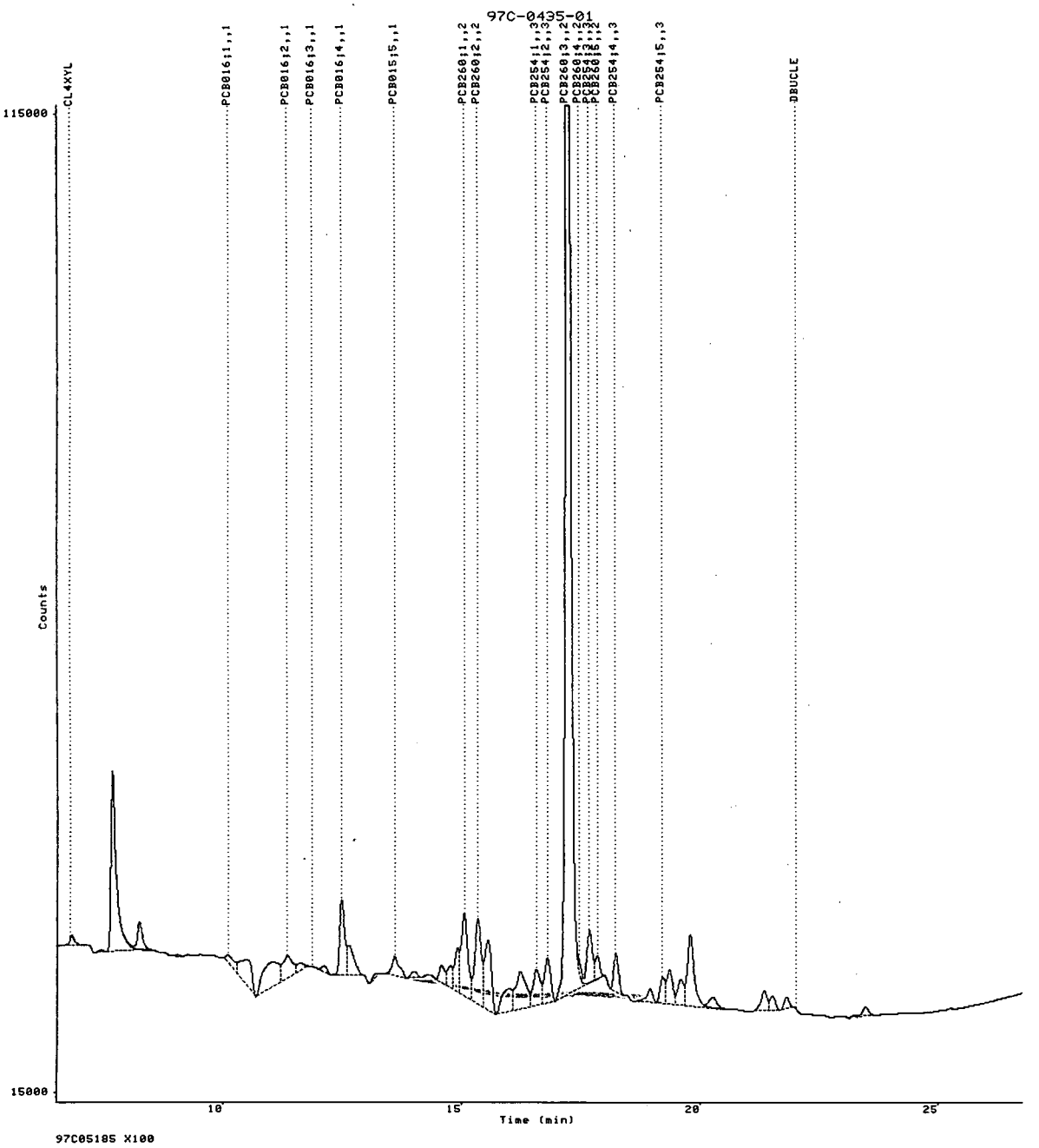
Group	UG/ML
1	28.96
2	46.44
3	26.66

0357

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326039.RAW;1
Report: 1197265462
Acquired: 23-NOV-1997 02:09:03
Time range: 6.50-26.75



0358

Date.....15-DEC-1997 17:03:51.10 User: TAYLORC
Report number.....1197265463
Raw file.....DISK:[TAYLORC]5697326040.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....6

Acq. date.....23-NOV-1997 02:45:49
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05186 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....53
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.806	-2.04	-0.04524-	819			BB	
	7.667			9861			BE	
	8.239			817			EB	
	8.838			82			BB	
PCB016;1	10.101	-0.04	-0.2754 -	308			BB	1
	10.461			244			BB	
	10.814			619			BV	

	11.048			700	VV	
PCB016;2	11.360	-1.35	1.050	1486	VE	1
	11.616			176	EB	
	12.113			376	BB	
PCB016;4	12.494	0.20	17.00	5749	BV	1
	12.663			4582	VB	
	13.152			271	BB	
PCB015;5	13.604	-0.05	4.161	2018	BB	1
	13.992			979	BB	
	14.341			696	BB	
	14.583			2961	BV	
	14.786			3113	VV	
	14.923			3394	VV	
PCB260;1	15.064	0.67	33.82	11967	VV	2
PCB260;2	15.347	0.10	34.29	13682	VV	2
	15.575			8834	VV	
	15.807			645	VB	
	16.239			3038	BB	
PCB254;1	16.575	-0.08	8.643	4603	BV	3
PCB254;2	16.807	-0.08	8.891	7201	VB	3
	17.038			2529	BV	
PCB260;3	17.237	-2.18	92.82	58182	VE	2
PCB260;4	17.467	0.60	5.103	1905	EB	2
PCB254;3	17.687	-0.85	9.780	11548	BV	3
PCB260;5	17.852	0.73	5.375	5223	VB	2
PCB254;4	18.245	-0.64	15.78	10395	BB	3
	18.958			2977	BB	
PCB254;5	19.227	-0.75	10.19	6299	BV	3
	19.365			7825	VV	
	19.606			6444	VV	
	19.803			16976	VV	
	20.268			2510	VB	
	20.535			192	BB	
	21.355			5478	BV	
	21.526			4279	VV	
	21.819			4466	VV	
	22.316			629	VB	
	22.912			215	BV	
	23.205			812	VV	
	23.473			2381	VB	
	23.852			126	BB	
	24.760			120	BB	
	25.040			84	BB	
	25.238			353	BB	
	26.486			196	BB	
	27.572			684	BB	

GROUP REPORT

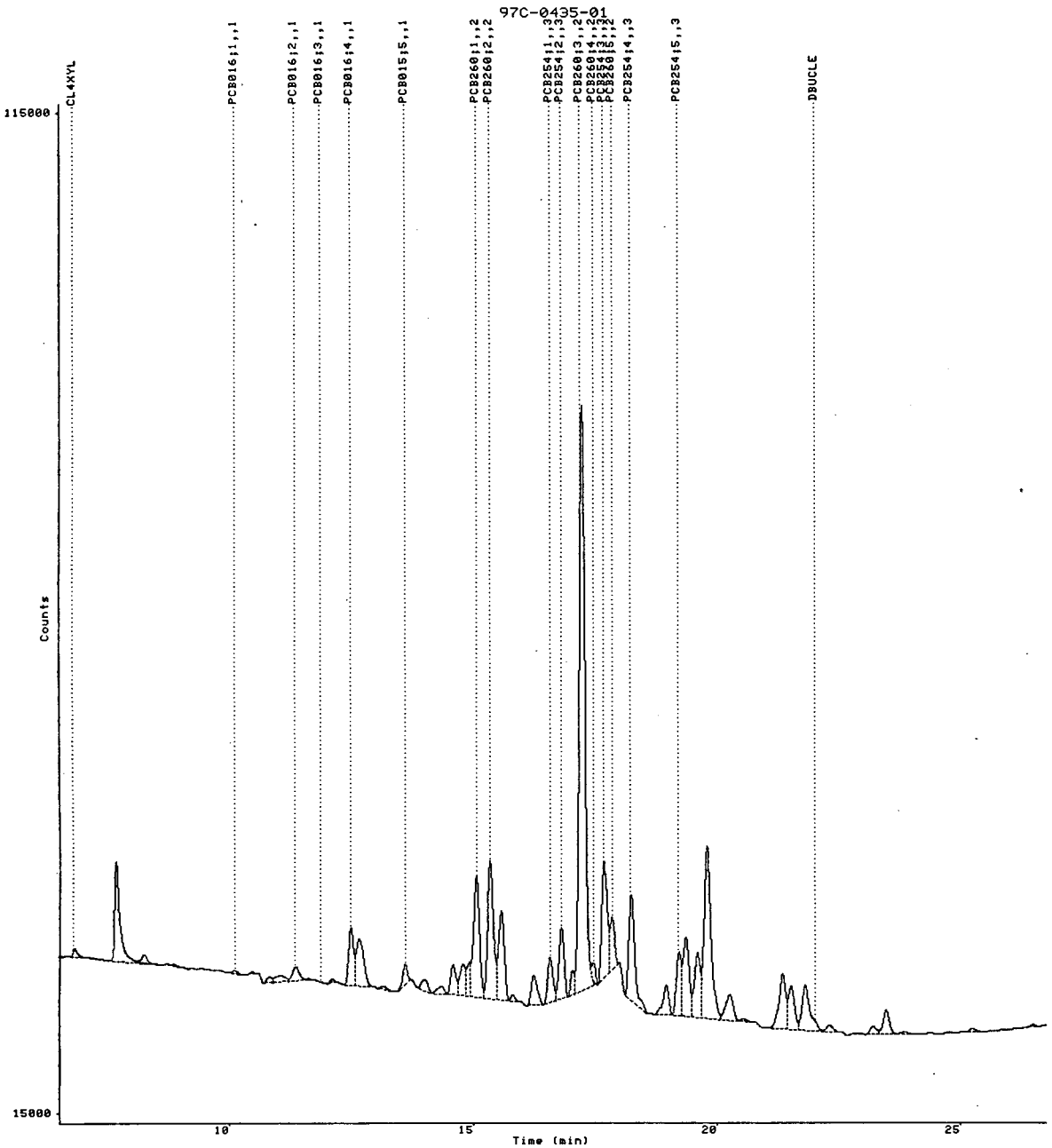
Group	UG/ML
1	21.94
2	171.4
3	53.28

0360

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326040.RAW;1
Report: 1197265463
Acquired: 23-NOV-1997 02:45:49
Time range: 6.50-26.75



97C05186 X100

0362

Date.....15-DEC-1997 17:04:04.83 User: TAYLORC
Report number.....1197265464
Raw file.....DISK:[TAYLORC]5697326041.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....7

Acq. date.....23-NOV-1997 03:22:29
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05187 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....5
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.34	PCB016;2	1		
11.88	PCB016;3	1		
12.50	PCB016;4	1		
13.60	PCB015;5	1		
15.08	PCB260;1	2		
15.35	PCB260;2	2		
16.57	PCB254;1	3		
16.81	PCB254;2	3		
17.48	PCB260;4	2		
17.67	PCB254;3	3		
17.86	PCB260;5	2		
18.23	PCB254;4	3		
19.22	PCB254;5	3		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.23	-0.05383-	781			BB	
	7.663			169			BB	
PCB260;3	17.225	-1.46	0.4964 -	485			BB	2
DBUCLE	21.994	1.09	-0.06077-	520			BB	
	27.571			683			BB	

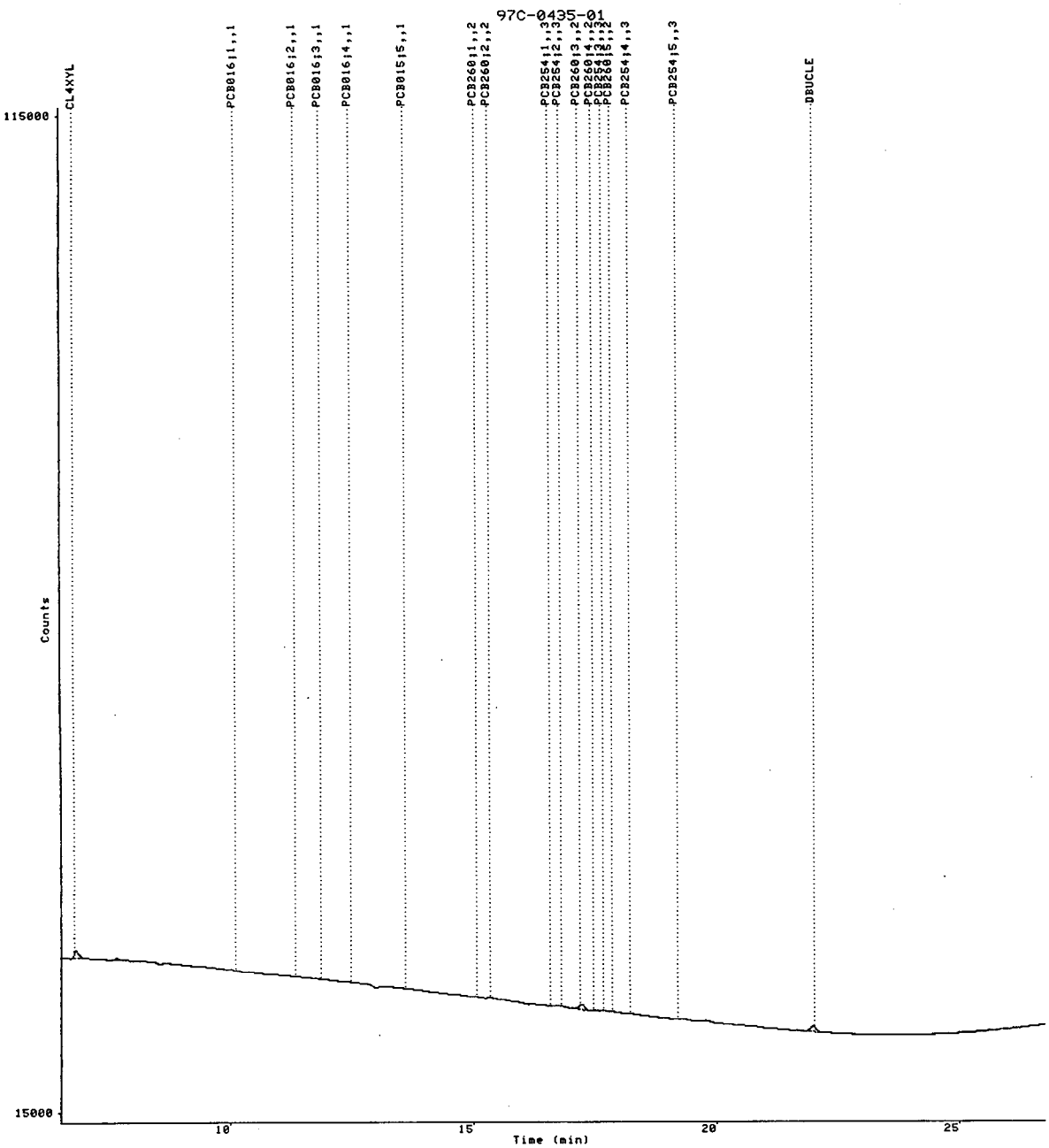
GROUP REPORT

Group	UG/ML
2	0.4964

ANALYSIS NOTES

1: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326041.RAW;1
Report: 1197265464
Acquired: 23-NOV-1997 03:22:29
Time range: 6.50-26.75



97C05187 X100

Date.....15-DEC-1997 17:04:18.23 User: TAYLORC
Report number.....1197265465
Raw file.....DISK:[TAYLORC]5697326042.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 03:59:14
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05188 X100
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.002 min
Area reject.....100 count(s)
Noise threshold.....10.0 microvolts
Start peak width....6.00 sec(s)
Min. window.....8.00 sec

Delay time.....6.500 min
No. peaks found.....44
Area threshold.....120
Area/Pk.Ht.....H
% window.....0.00

Analysis type.....EXTERNAL STANDARD
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000

A/D range.....1.0 volt(s)

Origin treatment....Ignore

Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
17.48	PCB260;4	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.809	-2.20	-0.04547-	818			BB	
	7.670			11733			BV	
	8.246			3268			VB	
PCB016;1	10.103	-0.18	-0.1054 -	420			BB	1
	10.461			169			BB	
	10.825			124			BB	
PCB016;2	11.365	-1.68	0.5597 -	883			BV	1

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	11.621			465	VB	
	12.115			304	BB	
PCB016;4	12.496	0.07	14.19	4802	BV	1
	12.650			2845	VE	
	12.975			185	EV	
	13.130			242	EB	
PCB015;5	13.606	-0.21	3.978	1935	BV	1
	14.022			764	VB	
	14.244			193	BB	
	14.596			1402	BV	
	14.924			5782	VV	
PCB260;1	15.058	1.03	22.74	8258	VV	2
PCB260;2	15.353	-0.26	13.95	5771	VV	2
	15.546			5433	VB	
	15.823			269	BB	
	16.240			1759	BV	
PCB254;1	16.577	-0.16	1.971	1830	VV	3
PCB254;2	16.808	-0.14	2.781	2889	VV	3
PCB260;3	17.247	-2.75	124.6	72755	VE	2
PCB254;3	17.689	-0.95	3.536	4372	EV	3
PCB260;5	17.853	0.67	3.036	3034	EV	2
	18.001			1692	EV	
PCB254;4	18.237	-0.20	5.366	3517	VV	3
	18.839			623	VV	
	18.953			944	VV	
PCB254;5	19.230	-0.89	2.424	1504	VV	3
	19.367			2339	VV	
	19.605			1674	VV	
	19.805			4408	VE	
	20.270			605	EB	
	21.356			1246	BV	
	21.527			911	VV	
	21.819			1038	VV	
DBUCLE	21.982	1.77	-0.02101-	648	VB	
	23.204			68	BB	
	23.475			491	BB	
	27.572			693	BB	

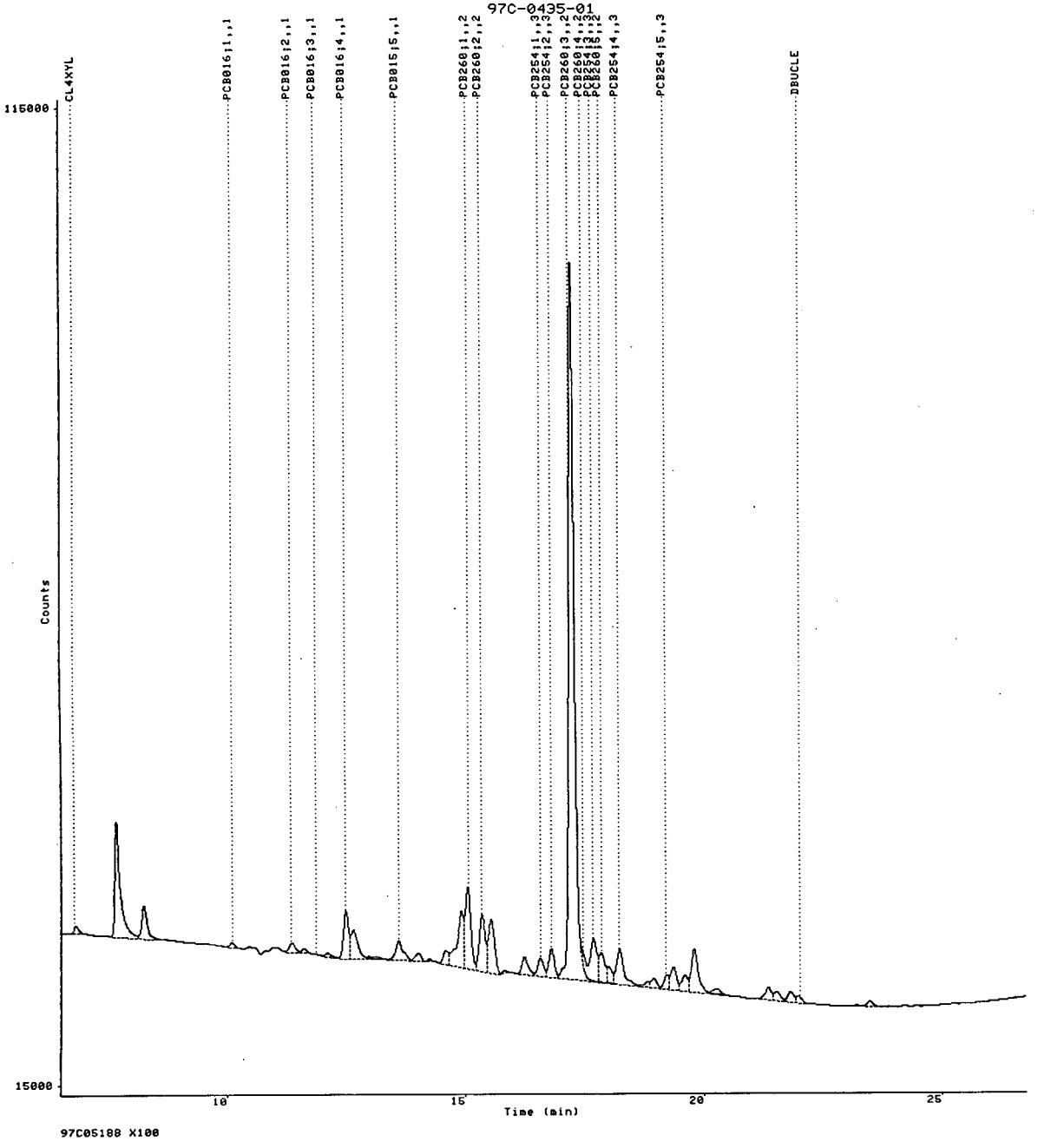
GROUP REPORT

Group	UG/ML
1	18.63
2	164.3
3	16.08

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326042.RAW;1
Report: 1197265465
Acquired: 23-NOV-1997 03:59:14
Time range: 6.50-26.75



0368

Date.....15-DEC-1997 17:04:32.79 User: TAYLORC
Report number.....1197265466
Raw file.....DISK:[TAYLORC]5697326043.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 04:35:37
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05169
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....91
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.640			2393			BV	
CL4XYL	6.803	-1.84	14.70	64695			VB	
	7.395			484			BV	
	7.666			488305			VV	
	8.231			61654			VV	
	8.528			15244			VV	
	8.823			14744			VB	

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	9.286			1245	BV	
	9.522			20719	VV	
	9.814			7335	VV	
PCB016;1	10.091	0.54	37.29	23439	VV	1
	10.449			24298	VV	
	10.617			36299	VV	
	10.770			25586	VV	
	10.953			32857	VV	
	11.042			32831	VV	
PCB016;2	11.330	0.41	80.23	87084	VE	1
	11.623			18383	EV	
	11.733			12013	EV	
	12.108			33494	VV	
PCB016;4	12.477	1.18		440360	VV	1
	12.640			222628	VE	
	12.978			43564	EV	
	13.134			55900	VV	
	13.358			16067	VV	
PCB015;5	13.593	0.58		131006	VV	1
	13.727			70988	VV	
	13.986			73071	VV	
	14.307			85165	VV	
	14.565			161484	VV	
	14.765			189689	VV	
	14.933			367151	VV	
PCB260;1	15.058	1.04		656836	VV	2
PCB260;2	15.346	0.19		599951	VV	2
	15.557			515856	VE	
	15.755			66265	EV	
	15.984			54154	EV	
	16.236			177783	VV	
PCB254;1	16.568	0.35		239024	VV	3
PCB254;2	16.799	0.42		378677	VV	3
	17.045			285907	VV	
PCB260;3	17.233	-1.90		971165	VV	2
PCB260;4	17.467	0.57		242928	VV	2
PCB254;3	17.672	0.07		671922	VV	3
PCB260;5	17.860	0.24		351067	VV	2
	17.999			222322	VV	
PCB254;4	18.237	-0.18		574296	VE	3
	18.450			52166	EV	
	18.823			151963	VV	
	18.956			222687	VV	
PCB254;5	19.205	0.57		342597	VV	3
	19.366			363046	VV	
	19.602			376597	VV	
	19.799			815109	VE	
	20.258			161290	EV	
	20.521			32257	VV	
	20.620			34392	VV	
	20.802			26855	VV	
	21.348			308601	VV	
	21.521			265686	VV	
	21.818			318669	VE	
	22.313			31644	EV	
	22.577			16585	EV	
	22.771			14197	VV	
	22.883			13451	VV	
	23.208			75827	VV	
	23.473			179882	VE	

23.850	21966	EV
24.247	7411	VV
24.427	9548	VV
24.770	11048	VV
25.036	16386	VV
25.239	42436	VE
25.649	2012	EV
25.856	687	EB
26.099	702	BV
26.279	1428	VV
26.487	19723	VE
26.818	2514	EV
27.179	4879	VV
27.389	4639	VV
27.578	54682	VV
27.837	14118	VV
28.148	34592	VE
28.430	6959	EB
29.104	139	BB
29.353	1797	BV
29.779	1237	VV
30.118	3705	VV
30.379	4230	VV
30.653	2311	VB

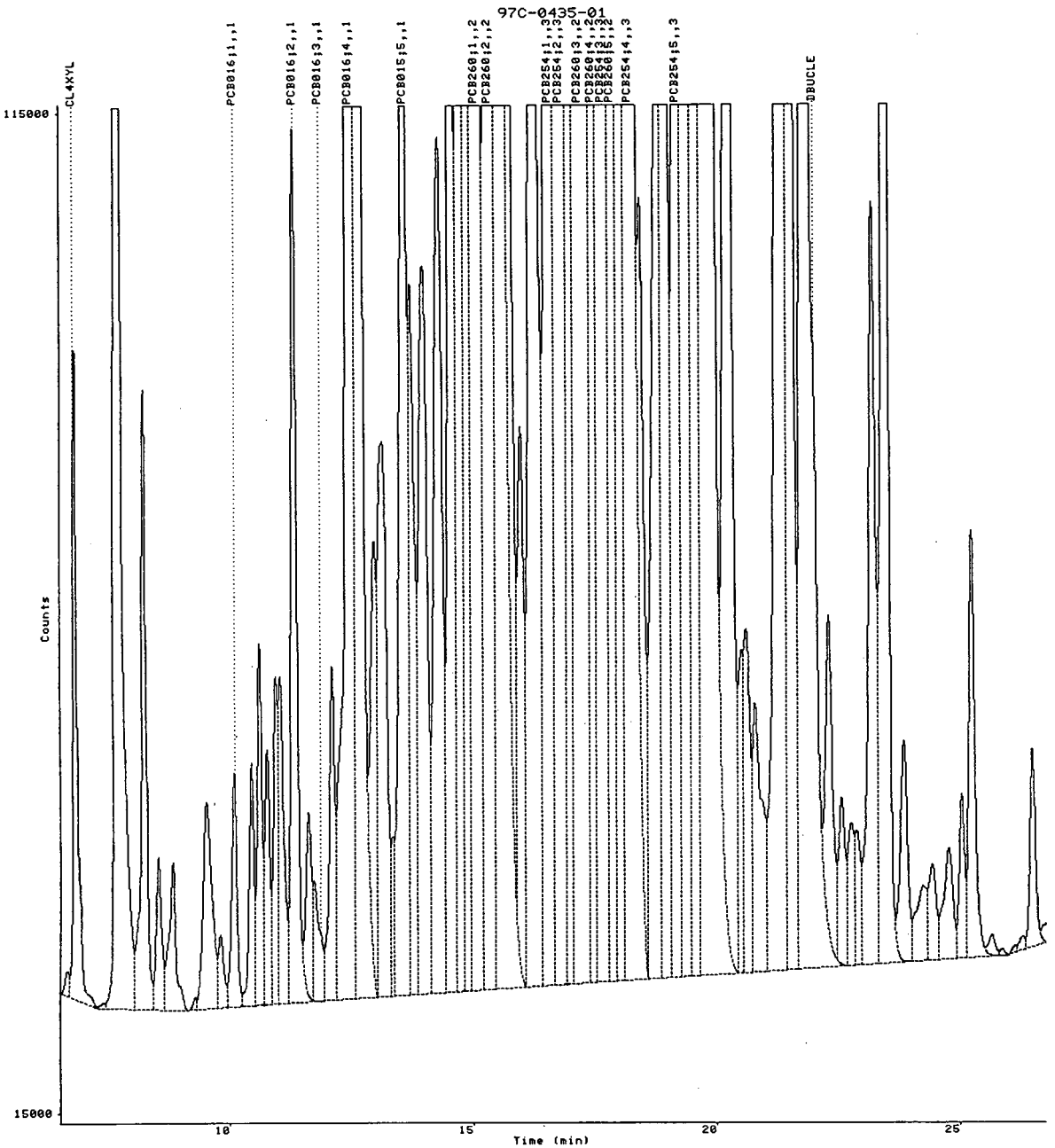
GROUP REPORT

Group	UG/ML
1	117.5

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326043.RAW;1
Report: 1197265466
Acquired: 23-NOV-1997 04:35:37
Time range: 6.50-26.75



97C05169

0372

Date.....15-DEC-1997 17:04:47.16 User: TAYLORC
Report number.....1197265467
Raw file.....DISK:[TAYLORC]5697326044.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 05:12:20
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05170
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....92
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.635			1900			BV	
CL4XYL	6.802	-1.80	14.11	62181			VB	
	7.387			475			BV	
	7.665			355253			VV	
	8.229			63454			VE	
	8.526			11853			EV	
	8.728			6738			EV	

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	8.824			11310	VB	
	9.287			1004	BV	
	9.521			16450	VV	
	9.811			4919	VV	
PCB016;1	10.091	0.53	29.85	19113	VV	1
	10.449			16148	VV	
	10.617			31135	VV	
	10.769			19382	VV	
	10.954			22197	VV	
	11.043			24458	VV	
PCB016;2	11.330	0.41	62.34	69784	VE	1
	11.622			14457	EV	
	11.734			9313	EV	
	12.109			22006	VV	
PCB016;4	12.479	1.09		329124	VV	1
	12.641			180314	VE	
	12.981			39075	EV	
	13.124			49096	VV	
	13.159			49161	VV	
	13.351			12445	VV	
PCB015;5	13.594	0.51		101133	VV	1
	13.739			59024	VV	
	13.991			56407	VV	
	14.310			84273	VV	
	14.567			140060	VV	
	14.764			159117	VV	
	14.935			336244	VV	
PCB260;1	15.058	1.02		591115	VV	2
PCB260;2	15.347	0.12		541103	VV	2
	15.557			480675	VE	
	15.755			56437	EV	
	15.984			45840	EV	
	16.236			144814	VV	
PCB254;1	16.569	0.32		205674	VV	3
PCB254;2	16.800	0.37		338211	VV	3
	17.039			221730	VV	
PCB260;3	17.233	-1.93		972372	VE	2
PCB260;4	17.469	0.47		189664	EV	2
PCB254;3	17.674	-0.06		621674	VV	3
PCB260;5	17.860	0.26		311157	VV	2
	18.000			196660	VV	
PCB254;4	18.239	-0.28		520862	VE	3
	18.447			44367	EV	
	18.827			139945	VV	
	18.958			204599	VV	
PCB254;5	19.207	0.47		328690	VV	3
	19.367			317735	VV	
	19.603			328301	VV	
	19.801			730938	VE	
	20.261			142551	EV	
	20.540			34318	VV	
	20.613			35459	VV	
	20.807			25597	VV	
	21.349			276633	VV	
	21.523			243812	VV	
	21.819			288208	VE	
	22.313			28541	EV	
	22.580			15786	EV	
	22.775			12371	VV	
	22.870			11209	VV	

23.208	66586	VV
23.473	158809	VE
23.848	18690	EV
24.257	6795	VV
24.424	8303	VV
24.772	9973	VV
25.038	14923	VV
25.241	38471	VE
25.644	3208	EV
25.840	1723	EB
26.107	479	BV
26.292	1336	VV
26.489	18761	VV
26.839	4936	VV
27.173	7505	VV
27.577	52037	VV
27.845	21587	VV
28.148	37040	VV
28.430	11369	VV
28.804	4622	VV
29.029	5199	VV
29.362	7498	VV
29.825	4568	VV
30.128	7245	VV
30.375	9213	VB

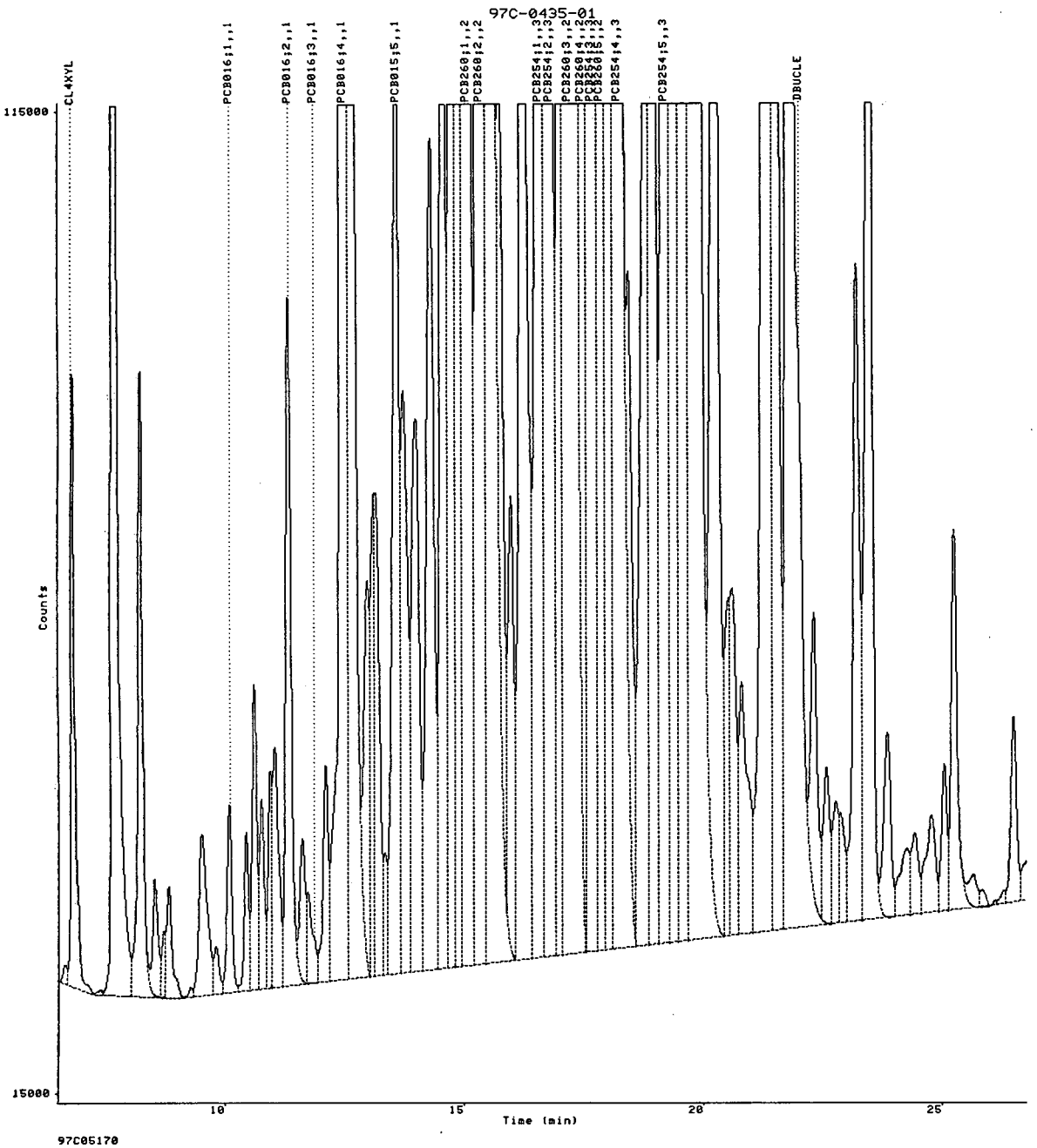
GROUP REPORT

Group	UG/ML
1	92.19

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326044.RAW;1
Report: 1197265467
Acquired: 23-NOV-1997 05:12:20
Time range: 6.50-26.75



0376

Date.....15-DEC-1997 17:05:01.52 User: TAYLORC
Report number.....1197265468
Raw file.....DISK:[TAYLORC]5697326045.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 05:49:05
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05171
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....92
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.631			2007			BV	
CL4XYL	6.803	-1.86	15.41	67704			VB	
	7.350			763			BV	
	7.666			410224			VV	
	8.230			391986			VE	
	8.536			25746			EV	
	8.824			29984			EB	

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	9.285			641	BV	
	9.531			19789	VV	
	9.814			6641	VV	
PCB016;1	10.080	1.19	80.47	46004	VV	1
	10.447			35916	VV	
	10.617			79118	VV	
	10.764			54008	VV	
	10.954			39986	VV	
	11.044			41389	VV	
PCB016;2	11.332	0.30	130.2	129084	VE	1
	11.625			22766	EV	
	11.742			21538	EV	
	12.107			38455	VV	
PCB016;4	12.480	0.99		538513	VV	1
	12.640			321554	VE	
	12.965			60609	EV	
	13.179			107226	VV	
	13.348			32867	VV	
PCB015;5	13.593	0.58		198240	VV	1
	13.761			128187	VV	
	14.009			140845	VV	
	14.305			157051	VV	
	14.566			325424	VV	
	14.764			345758	VV	
	14.935			794794	VV	
PCB260;1	15.047	1.70		974601	VV	2
PCB260;2	15.353	-0.27		975064	VV	2
	15.553			972019	VE	
	15.765			142764	EV	
	15.982			104249	EV	
	16.236			288048	VV	
PCB254;1	16.568	0.35		488036	VV	3
PCB254;2	16.800	0.34		763718	VV	3
	17.034			507136	VV	
PCB260;3	17.217	-0.95		960473	VV	2
PCB260;4	17.471	0.35		464831	VV	2
PCB254;3	17.674	-0.07		966274	VV	3
PCB260;5	17.860	0.21		708049	VV	2
	18.004			481321	VV	
PCB254;4	18.235	-0.08		975877	VE	3
	18.450			114811	EV	
	18.828			240925	EV	
	18.961			498316	VV	
PCB254;5	19.205	0.57		790618	VV	3
	19.368			731854	VV	
	19.604			774166	VV	
	19.791			971915	VV	
	20.262			352630	VV	
	20.581			99063	VV	
	20.649			87377	VV	
	20.805			84398	VV	
	21.349			652548	VV	
	21.521			573574	VV	
	21.821			598340	VE	
	22.313			98236	EV	
	22.575			51857	EV	
	22.790			35035	VV	
	22.860			34276	VV	
	23.207			157758	VV	
	23.473			357429	VE	

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23.846	48266	EV
24.062	13580	VV
24.296	23947	VV
24.765	19452	VV
25.036	36782	VV
25.240	81907	VE
25.636	9877	EV
25.850	5020	EV
26.131	3958	VV
26.487	37136	VE
26.605	578	EV
26.797	7546	EV
27.173	15448	VV
27.380	12776	VV
27.577	63633	VV
27.843	20446	VV
27.967	18659	VV
28.146	34641	VV
28.418	9261	VV
28.645	7768	VV
28.976	4993	VV
29.175	4803	VV
29.348	7349	VV
30.086	19251	VV
30.332	17267	VB

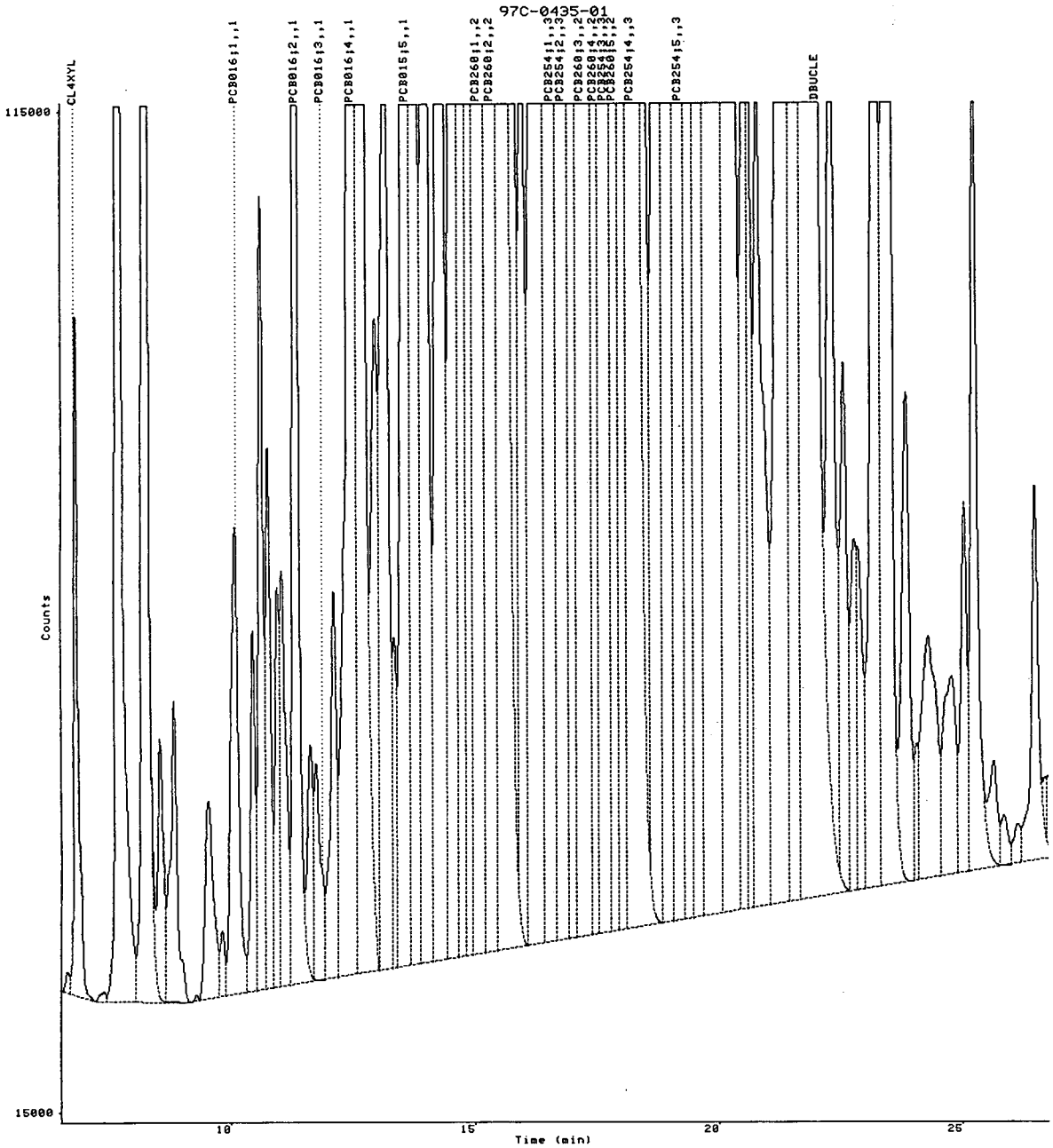
GROUP REPORT

Group	UG/ML
1	210.6

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326045.RAW;1
Report: 1197265468
Acquired: 23-NOV-1997 05:49:05
Time range: 6.50-26.75



97C05171

0380

Date.....15-DEC-1997 17:05:15.84 User: TAYLORC
Report number.....1197265469
Raw file.....DISK:[TAYLORC]5697326046.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 06:25:47
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05172
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....82
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;3	1	
17.48	PCB260;4	2	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.596			148		BV	
CL4XYL	6.802	-1.82	15.52	68163		VV	
	6.913			74068		VE	
	7.210			314		EB	
	7.499			2162		BV	
	7.667			979016		VE	

0381

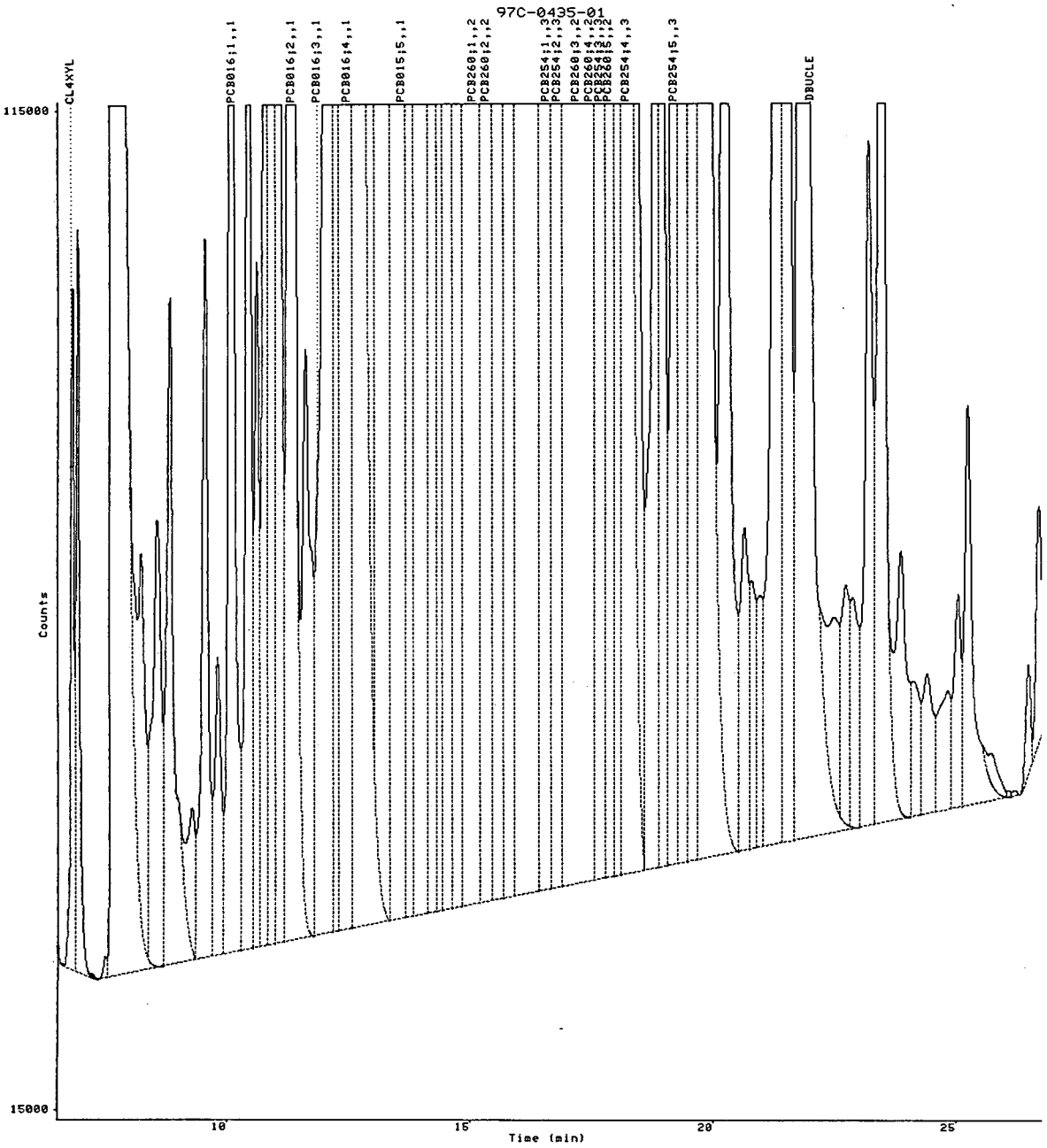
	8.230		36680	EV	
	8.568		44661	EV	
	8.821		66676	VE	
	9.284		13952	EV	
	9.550		71703	VV	
	9.814		29795	VV	
PCB016;1	10.090	0.61	174680	VV	1
	10.447		139815	VV	
	10.617		68564	VV	
	10.789		141028	VV	
	10.949		477428	VV	
	11.036		402691	VV	
PCB016;2	11.316	1.26	650288	VE	1
	11.622		56202	EV	
	12.106		191742	VV	
	12.245		141016	VV	
PCB016;4	12.493	0.21	959768	VV	1
	12.633		890318	VE	
	12.946		93957	EV	
	13.172		165610	EV	
PCB015;5	13.599	0.27	499848	VV	1
	13.709		370370	VV	
	13.950		442355	VV	
	14.244		189643	VV	
	14.348		178887	VV	
	14.565		311085	VV	
	14.761		465641	VV	
PCB260;1	15.066	0.57	782880	VV	2
PCB260;2	15.352	-0.19	698919	VV	2
	15.566		582677	VV	
	15.787		460722	VV	
	16.256		603130	VV	
PCB254;1	16.585	-0.69	707919	VV	3
PCB254;2	16.810	-0.24	808080	VV	3
PCB260;3	17.189	0.72	953968	VV	2
PCB254;3	17.671	0.13	559117	VV	3
PCB260;5	17.860	0.24	320996	VV	2
	17.989		184337	VV	
PCB254;4	18.242	-0.45	420807	VE	3
	18.454		65864	EV	
	18.830		149745	VV	
	18.952		138288	VV	
PCB254;5	19.208	0.43	229554	VV	3
	19.368		268680	VV	
	19.602		352601	VV	
	19.797		556289	VE	
	20.256		116533	EV	
	20.655		32218	VV	
	20.795		26814	VV	
	20.979		25185	VV	
	21.350		224693	VV	
	21.523		218898	VV	
	21.819		255949	VE	
	22.497		18132	EV	
	22.739		23817	EV	
	22.879		22952	EV	
	23.209		68342	VV	
	23.470		153284	VE	
	23.864		25985	EV	
	24.139		13520	VV	

24.406	14015	VV
24.828	11913	VV
25.037	21360	VV
25.238	39827	VE
25.719	2926	EV
26.089	645	EV
26.220	603	VB
26.486	10826	BV
26.704	23621	VB
27.347	646	BV
27.574	48369	VE
27.827	11084	EV
28.147	15304	VB
29.317	7149	BV
30.025	16489	VV
30.276	12598	VB

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326046.RAW;1
Report: 1197265469
Acquired: 23-NOV-1997 06:25:47
Time range: 6.50-26.75



97C05172

0384

Date.....15-DEC-1997 17:05:30.21 User: TAYLORC
Report number.....1197265470
Raw file.....DISK:[TAYLORC]5697326047.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 07:02:32
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05173
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....86
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
17.86	PCB260;5	2		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.611			3914			BV	
CL4XYL	6.802	-1.82	15.22	66898			VB	
	7.240			161			BB	
	7.501			1317			BV	
	7.665			990079			VV	
	8.229			987407			VE	
	8.522			57963			EV	

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	8.822				61219	EB	
	9.291				2398	BV	
	9.518				21705	VV	
	9.814				9933	VV	
PCB016;1	10.088	0.70	152.7	+	74142	VV	1
	10.450				75864	VV	
	10.616				545290	VV	
	10.762				140631	VV	
	10.950				169164	VV	
	11.034				135547	VV	
PCB016;2	11.328	0.52			234724	VV	1
	11.588				84743	VV	
PCB016;3	11.772	6.43	108.5		45977	VV	1
	12.108				119200	VV	
	12.334				141921	VV	
PCB016;4	12.489	0.49			963273	VV	1
	12.639				973440	VV	
	12.972				258702	VV	
	13.164				301070	VV	
	13.345				107405	VV	
PCB015;5	13.593	0.60			474772	VV	1
	13.719				298966	VV	
	14.020				557075	VV	
	14.259				458630	VV	
	14.567				797663	VV	
	14.766				940169	VV	
PCB260;1	14.971	6.26			952494	VV	2
PCB260;2	15.464	-6.90			953635	VV	2
	15.779				482392	VV	
	15.983				276382	VV	
	16.235				846829	VV	
PCB254;1	16.574	0.02			964071	VV	3
PCB254;2	16.795	0.68			957889	VV	3
PCB260;3	17.215	-0.84			952606	VV	2
PCB260;4	17.472	0.29			955898	VV	2
PCB254;3	17.776	-6.17			947752	VV	3
	18.000				958088	VV	
PCB254;4	18.242	-0.49			952180	VV	3
	18.454				391922	VV	
	18.823				460298	VV	
	18.960				880697	VV	
PCB254;5	19.217	-0.12			957227	VV	3
	19.363				951813	VV	
	19.699				953038	VV	
	20.264				650442	VE	
	20.520				84960	EV	
	20.644				139493	EV	
	20.804				108710	EV	
	20.969				78908	VV	
	21.355				962002	VV	
	21.525				959187	VV	
	21.826				965514	VE	
	22.317				102950	EV	
	22.570				46019	EV	
	22.777				57202	VV	
	22.881				59058	VV	
	23.211				372867	VV	
	23.478				738895	VE	
	23.868				78168	EV	
	24.222				25698	VV	

24.424	27748	VV
24.717	23014	VV
24.831	24190	VV
25.044	76696	VV
25.247	178659	VE
25.565	6709	EB
26.134	2695	BV
26.495	71495	VV
26.719	61312	VV
27.178	25254	VV
27.347	16127	VV
27.584	69759	VV
27.875	28484	VV
27.966	29039	VV
28.149	28303	VB
28.973	251	BB
29.322	5220	BV
30.018	31657	VE
30.540	97	EB

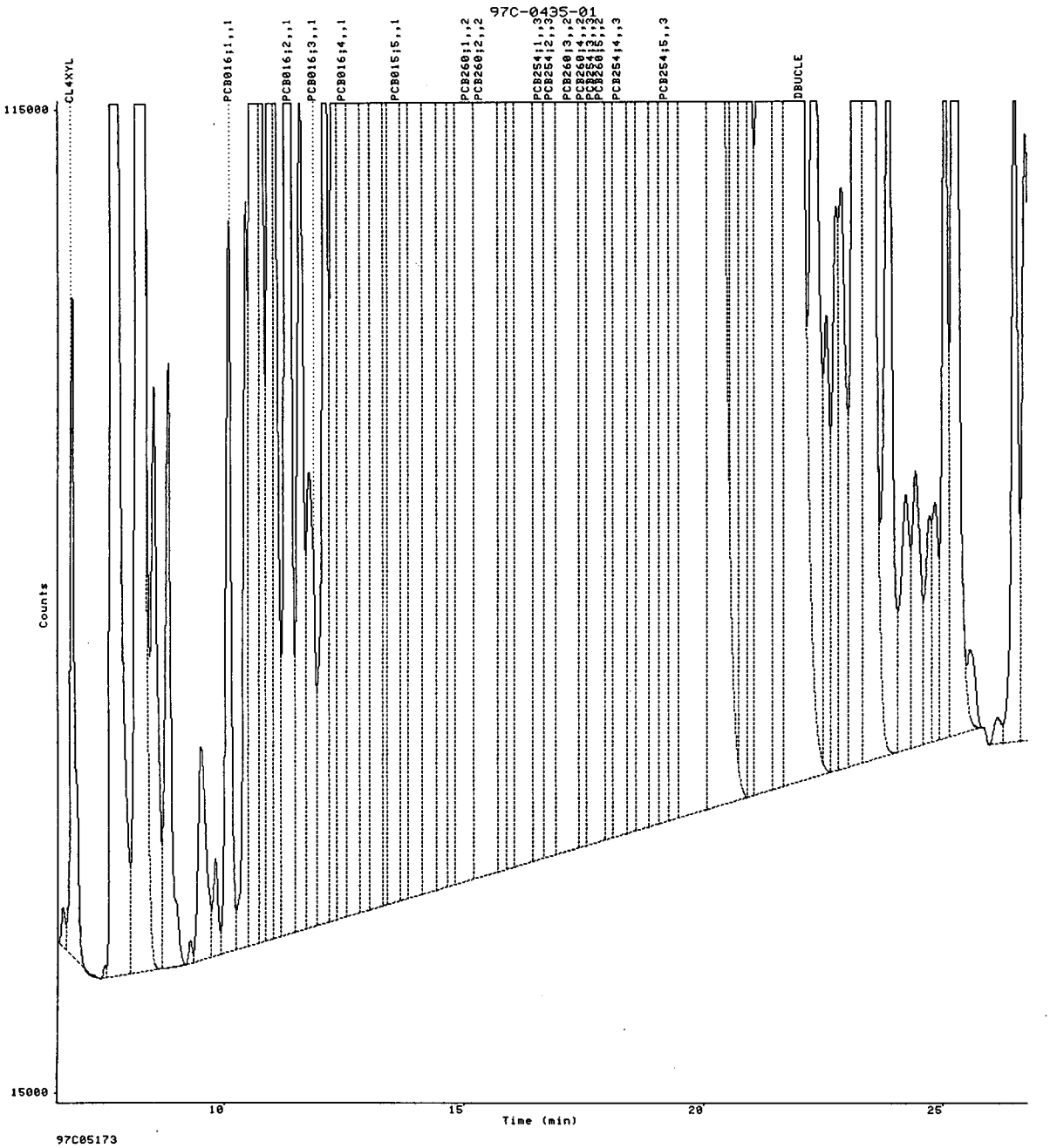
GROUP REPORT

Group	UG/ML
1	261.2

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326047.RAW;1
Report: 1197265470
Acquired: 23-NOV-1997 07:02:32
Time range: 6.50-26.75



Date.....15-DEC-1997 17:05:44.02 User: TAYLORC
Report number.....1197265471
Raw file.....DISK:[TAYLORC]5697326048.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 07:39:19
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05174
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.642			1096			BV	
CL4XYL	6.803	-1.88	15.68	68866			VB	
	7.665			296764			BE	
	8.232			12252			EV	
	8.526			10238			EV	
	8.830			5913			VB	
	9.284			365			BV	
	9.521			4601			VV	

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	9.816			3239	VV	
PCB016;1	10.093	0.42	32.82	20854	VB	1
	10.453			10606	BV	
	10.615			34130	VV	
	10.780			19678	VV	
	11.041			16107	VV	
PCB016;2	11.335	0.12	44.51	51355	VE	1
	11.566			7013	EV	
	11.751			4332	EV	
PCB016;3	11.878	0.05	13.47	6045	VV	1
	12.107			25043	VV	
PCB016;4	12.482	0.89		300444	VV	1
	12.684			159772	VE	
	12.966			20892	EV	
	13.142			27436	EV	
PCB015;5	13.595	0.46		157136	VV	1
	13.719			87189	VV	
	13.993			95599	VV	
	14.282			37633	VV	
	14.566			114871	VV	
	14.758			145587	VV	
PCB260;1	15.062	0.80		530342	VV	2
PCB260;2	15.340	0.53		569384	VV	2
	15.569			374297	VE	
	15.771			65115	EV	
	15.971			24955	VV	
	16.234			199327	VV	
PCB254;1	16.567	0.42		243698	VV	3
PCB254;2	16.800	0.37		409874	VV	3
	17.036			237356	VV	
PCB260;3	17.227	-1.56		963415	VE	2
PCB260;4	17.469	0.50		183777	EV	2
PCB254;3	17.674	-0.08		558199	VV	3
PCB260;5	17.858	0.36		335705	VV	2
	18.006			227894	VV	
PCB254;4	18.242	-0.50		479819	VE	3
	18.449			43326	EV	
	18.826			87750	EV	
	18.956			179993	VV	
PCB254;5	19.208	0.41		239236	VV	3
	19.368			343668	VV	
	19.602			328034	VV	
	19.797			742629	VE	
	20.262			141844	EV	
	20.642			27043	VV	
	20.801			17212	VV	
	21.347			279291	VV	
	21.524			226845	VV	
	21.819			271007	VE	
	22.311			19455	EV	
	22.557			3712	EV	
	22.873			9839	VV	
	23.203			73432	VV	
	23.470			157788	VE	
	23.852			13127	EB	
	24.212			1701	BV	
	24.272			1547	VV	
	24.404			2538	VB	
	24.715			1615	BV	
	24.821			1771	VV	

25.035	14724	VV
25.238	37211	VE
25.618	2141	EV
25.816	1440	VB
26.164	576	BB
26.486	15249	BV
26.704	26581	VV
27.571	53283	VE
27.872	10717	EV
27.944	10913	EV
28.144	13958	VB
28.944	667	BB
29.297	408	BB
29.609	233	BV
30.085	3405	VV
30.336	2715	VB

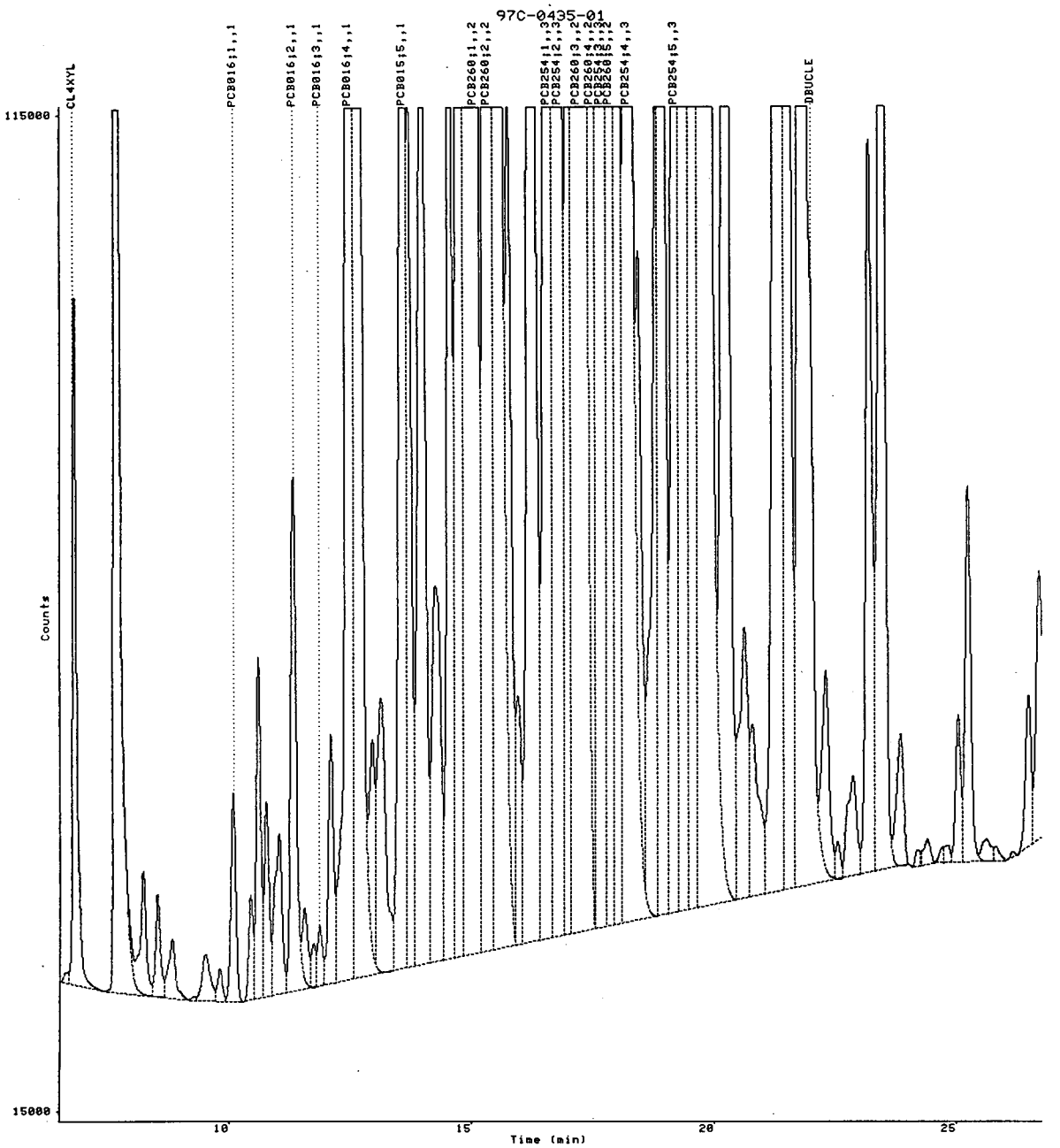
GROUP REPORT

Group	UG/ML
1	90.80

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326048.RAW;1
Report: 1197265471
Acquired: 23-NOV-1997 07:39:19
Time range: 6.50-26.75



97C05174

Date.....15-DEC-1997 17:06:11.67 User: TAYLORC
Report number.....1197265473
Raw file.....DISK:[TAYLORC]5697326050.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 08:52:52
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05175
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....77
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

==========
EXTERNAL STANDARD ANALYSIS
==========
Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.805	-1.98	16.45	72104		BB	
	7.445			186		BB	
	7.667			164830		BV	
	8.236			34606		VE	
	8.531			4878		EV	
	8.832			8363		VB	
	9.271			1025		BV	
	9.553			2496		VV	
	9.817			2276		VV	
PCB016;1	10.096	0.25	11.27	7762		VB	1
	10.453			11869		BV	
	10.614			20916		VV	
	10.789			11542		VV	
	10.958			52582		VV	
PCB016;2	11.334	0.21	23.04	27595		VV	1

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	11.608				9320	VV	
PCB016;3	11.755	7.44	10.47		4715	VV	1
	12.109				38432	VV	
PCB016;4	12.486	0.67			313751	VV	1
	12.640				241961	VE	
	12.950				26917	EV	
	13.210				21337	EV	
PCB015;5	13.596	0.42			118487	VV	1
	14.009				71766	VV	
	14.260				22582	VV	
	14.568				69123	VV	
	14.766				74797	VV	
PCB260;1	15.061	0.85			334844	VV	2
PCB260;2	15.345	0.24			228019	VV	2
	15.563				158293	VV	
	15.796				50893	VV	
	16.237				90380	VV	
PCB254;1	16.568	0.34			88222	VV	3
PCB254;2	16.800	0.39			118498	VV	3
	17.041				65202	VV	
PCB260;3	17.235	-2.07			976888	VE	2
PCB260;4	17.467	0.60			91748	EV	2
PCB254;3	17.674	-0.04			225138	EV	3
PCB260;5	17.856	0.49			129622	VV	2
	18.003				86491	VV	
PCB254;4	18.236	-0.13			172212	VE	3
	18.451				19970	EV	
	18.825				50192	VV	
	18.950				51248	VV	
PCB254;5	19.207	0.46	199.2	+	86994	VV	3
	19.367				110282	VV	
	19.599				149311	VV	
	19.795				221842	VE	
	20.254				42015	EV	
	20.623				8122	VV	
	20.797				3792	VB	
	21.348				81407	BV	
	21.520				69997	VV	
	21.816				85965	VV	
DBUCLE	21.994	1.10	14.18		45325	VE	
	22.311				7433	EB	
	22.573				2329	BV	
	22.755				982	VB	
	23.204				20399	BV	
	23.468				50959	VV	
	23.852				5711	VV	
	24.393				1601	VV	
	24.822				712	VV	
	25.033				4537	VV	
	25.235				11984	VB	
	25.900				34	BB	
	26.221				257	BB	
	26.485				6187	BV	
	26.694				1842	VV	
	27.569				51498	VE	
	27.843				3131	EV	
	28.147				8480	EB	
	28.692				105	BB	
	28.965				173	BB	
	29.484				766	BV	

29.770	504	VB
30.120	549	BB

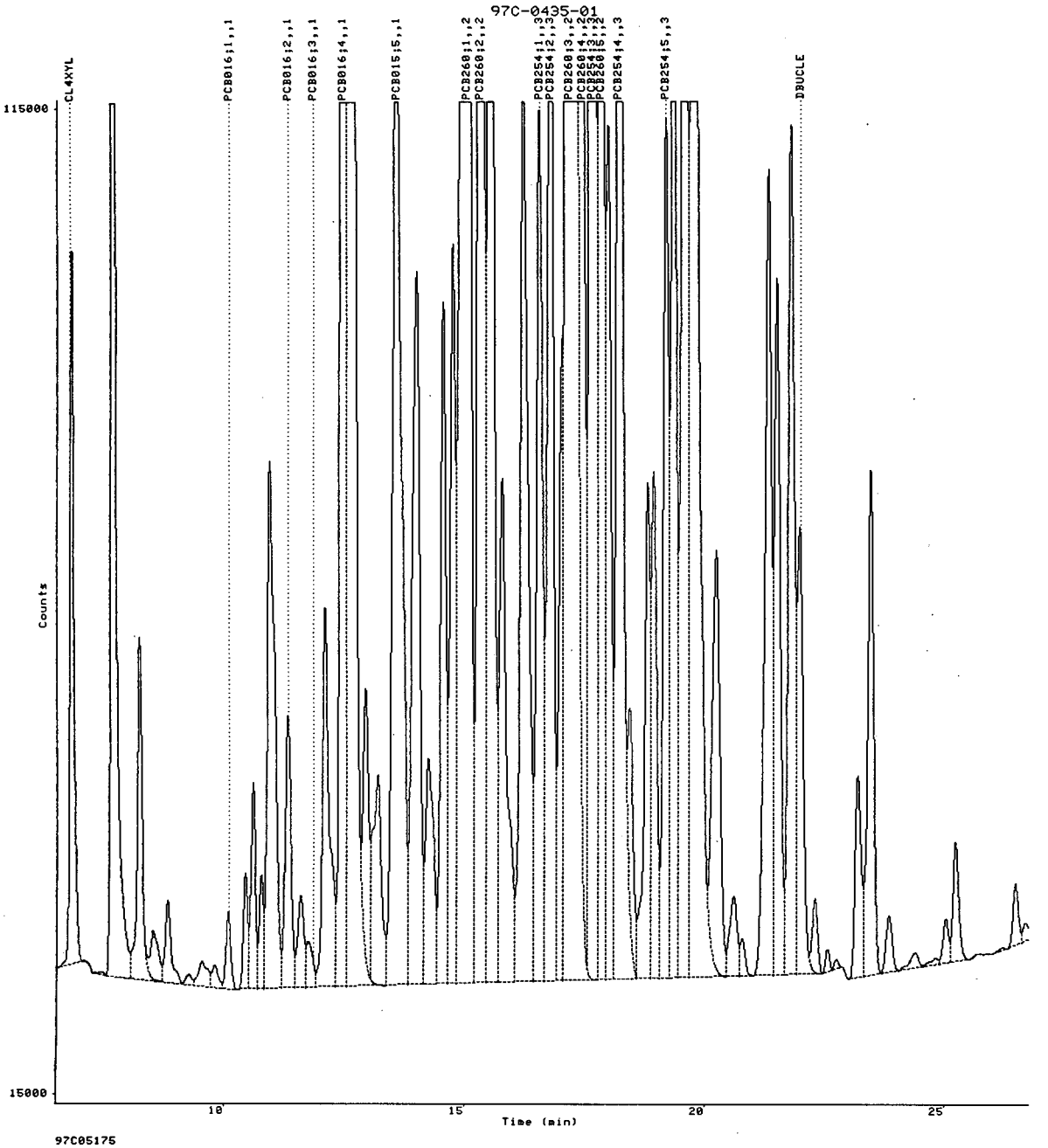
GROUP REPORT

Group	UG/ML
1	44.77
3	199.2

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326050.RAW;1
Report: 1197265473
Acquired: 23-NOV-1997 08:52:52
Time range: 6.50-26.75



0396

Date.....15-DEC-1997 17:06:27.09 User: TAYLORC
Report number.....1197265474
Raw file.....DISK:[TAYLORC]5697326051.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 09:29:31
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....88
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.628			2654			BV	
CL4XYL	6.802	-1.81	15.40	67679			VE	
	6.903			7499			EB	
	7.666			988005			BE	
	8.113			11829			EV	
	8.231			69423			EV	
	8.536			16250			EV	
	8.821			23764			VB	

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	9.285			1769	BV	
	9.517			48703	VV	
	9.812			21980	VV	
PCB016;1	10.089	0.67	116.8	61677	VV	1
	10.448			69980	VV	
	10.617			39638	VV	
	10.777			60127	VV	
	10.956			60524	VV	
	11.039			70776	VV	
PCB016;2	11.328	0.54		233081	VE	1
	11.624			29872	EV	
	11.740			21746	EV	
PCB016;3	11.870	0.55	49.01	21450	VV	1
	12.107			88909	VV	
	12.249			69438	VV	
PCB016;4	12.479	1.09		980994	VV	1
	12.652			524244	VE	
	12.950			40870	EV	
	13.159			74388	EV	
PCB015;5	13.595	0.46		332339	VV	1
	13.716			181298	VV	
	13.989			237662	VV	
	14.343			162698	VV	
	14.563			385611	VV	
	14.762			464535	VV	
PCB260;1	15.061	0.81		896676	VV	2
PCB260;2	15.343	0.35		974225	VV	2
	15.571			701521	VV	
	15.759			281793	VV	
	15.986			100842	VV	
	16.236			365217	VV	
PCB254;1	16.569	0.27		515402	VV	3
PCB254;2	16.802	0.24		749880	VV	3
PCB260;3	17.252	-3.08		959054	VV	2
PCB260;4	17.459	1.05		461428	VV	2
PCB254;3	17.674	-0.07		967849	VV	3
PCB260;5	17.859	0.31		581160	VV	2
	18.002			375887	VV	
PCB254;4	18.241	-0.43		923258	VE	3
	18.445			71517	EV	
	18.956			328462	VV	
PCB254;5	19.206	0.55		756826	VV	3
	19.367			590776	VV	
	19.602			583902	VV	
	19.794			975564	VV	
	20.264			265981	VE	
	20.643			40776	EV	
	20.799			28205	EV	
	21.350			494424	VV	
	21.520			478216	VV	
	21.821			453947	VE	
	22.314			34389	EV	
	22.575			17743	EV	
	22.760			17216	VV	
	22.872			15157	VV	
	23.209			101381	VV	
	23.472			275140	VE	
	23.858			32161	EV	
	24.221			7324	VV	
	24.419			11240	VV	

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24.766	14228	VV
25.035	20877	VV
25.238	53076	VE
25.638	1541	EB
26.164	1029	BV
26.263	1146	VV
26.487	22960	VV
26.702	7265	VV
27.169	4504	VV
27.367	7015	VV
27.576	55834	VV
27.842	20034	VV
28.145	29654	VE
28.644	2671	EV
28.988	2174	EV
29.324	4578	VV
29.780	2893	VV
30.120	4229	VV
30.396	5867	VV
30.648	2526	VB

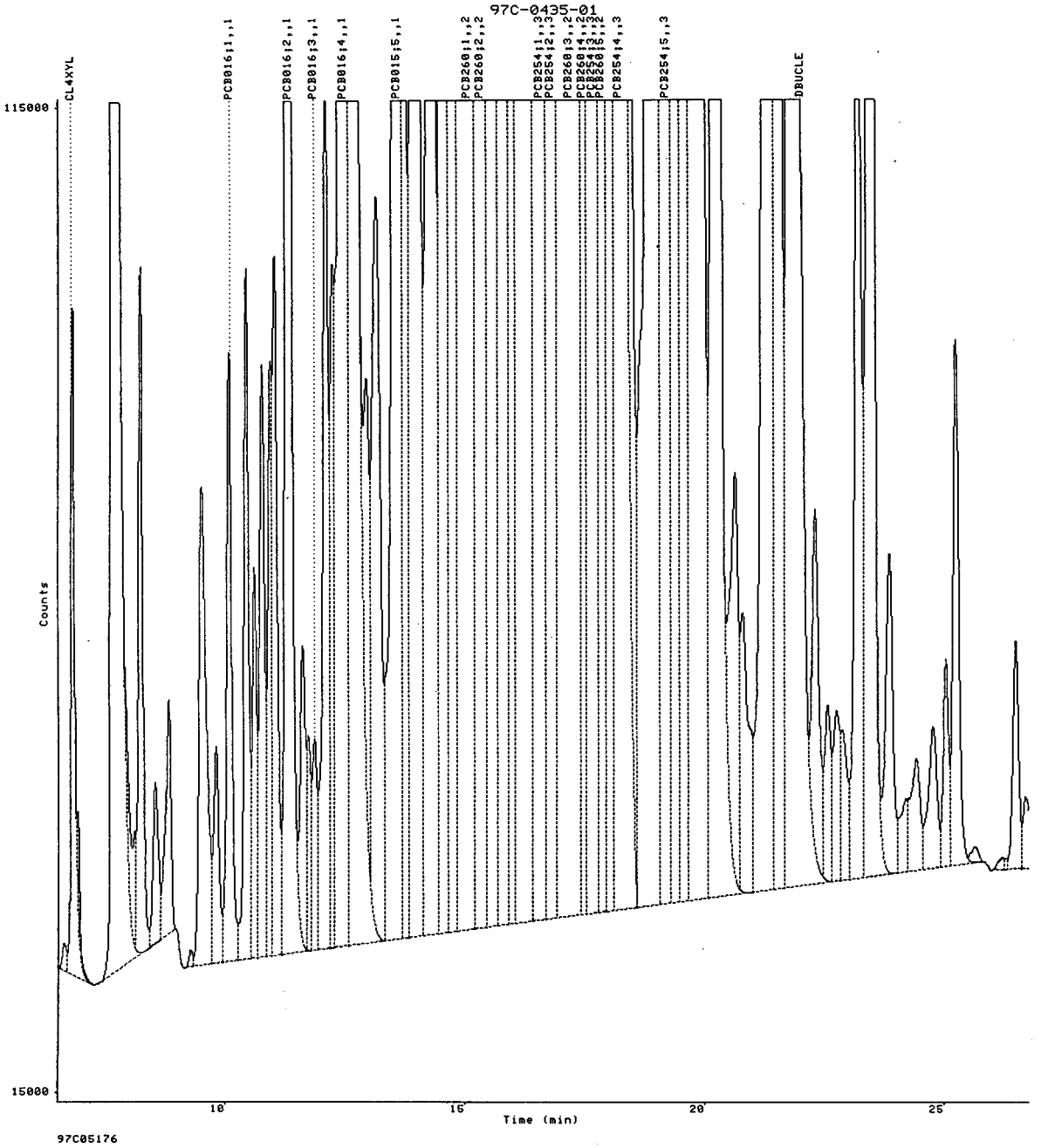
GROUP REPORT

Group	UG/ML
1	165.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326051.RAW;1
Report: 1197265474
Acquired: 23-NOV-1997 09:29:31
Time range: 6.50-26.75



0400

Date.....15-DEC-1997 17:06:40.85 User: TAYLORC
Report number.....1197265475
Raw file.....DISK:[TAYLORC]5697326052.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 10:06:14
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176MS
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....90
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.634			3519			BV	
CL4XYL	6.802	-1.83	14.87	65434			VE	
	6.901			6033			EB	
	7.229			1319			BV	
	7.665			990825			VE	
	8.113			16101			EV	
	8.232			70072			EV	
	8.539			20060			EV	

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	8.811			29662	VE	
	9.188			1604	EV	
	9.279			2484	EV	
	9.534			26443	VV	
	9.814			19681	VV	
PCB016;1	10.090	0.61	126.9	65471	VV	1
	10.448			66461	VV	
	10.617			37255	VV	
	10.780			57438	VV	
	10.957			56568	VV	
	11.040			67483	VV	
PCB016;2	11.329	0.47		220441	VE	1
	11.624			27424	EV	
	11.742			20612	EV	
PCB016;3	11.873	0.37	58.46	25449	VV	1
	12.107			83833	VV	
	12.249			63830	VV	
PCB016;4	12.479	1.10		977342	VV	1
	12.654			490058	VE	
	12.954			38591	EV	
	13.162			69662	EV	
PCB015;5	13.596	0.40		301922	VV	1
	13.716			169213	VV	
	13.988			224085	VV	
	14.343			143808	VV	
	14.565			336951	VV	
	14.764			430267	VV	
PCB260;1	15.063	0.72		844790	VV	2
PCB260;2	15.344	0.30		961691	VV	2
	15.571			651944	VV	
	15.764			246144	VV	
	15.977			87827	VV	
	16.237			340331	VV	
PCB254;1	16.570	0.26		478397	VV	3
PCB254;2	16.803	0.18		696970	VV	3
	17.044			497424	VV	
PCB260;3	17.234	-1.97		961377	VV	2
PCB260;4	17.463	0.85		435942	VV	2
PCB254;3	17.677	-0.25		974358	VV	3
PCB260;5	17.860	0.25		570695	VV	2
	18.000			362960	VV	
PCB254;4	18.243	-0.55		933853	VE	3
	18.441			63469	EV	
	18.679			56098	EV	
	18.957			332653	VV	
PCB254;5	19.206	0.54		726585	VV	3
	19.367			573143	VV	
	19.603			574674	VV	
	19.795			976102	VV	
	20.263			267123	VE	
	20.643			44141	EV	
	20.795			30855	EV	
	21.350			492354	VV	
	21.521			485989	VV	
	21.821			494983	VE	
	22.315			38046	EV	
	22.579			24510	EV	
	22.767			23989	VV	
	22.903			31249	VV	
	23.208			119639	VV	

23.471	296441	VE
23.856	37704	EV
24.214	10587	VV
24.439	15654	VV
24.770	14494	VV
25.037	27024	VV
25.239	65487	VE
25.646	4070	EB
26.488	25038	BV
26.707	6683	VV
26.903	4092	VV
27.156	4115	VV
27.364	9243	VV
27.577	51712	VV
27.805	20982	VV
28.148	23943	VB
28.709	826	BB
28.983	178	BB
29.305	4155	BV
29.791	788	VV
30.137	3446	VV
30.397	8724	VB

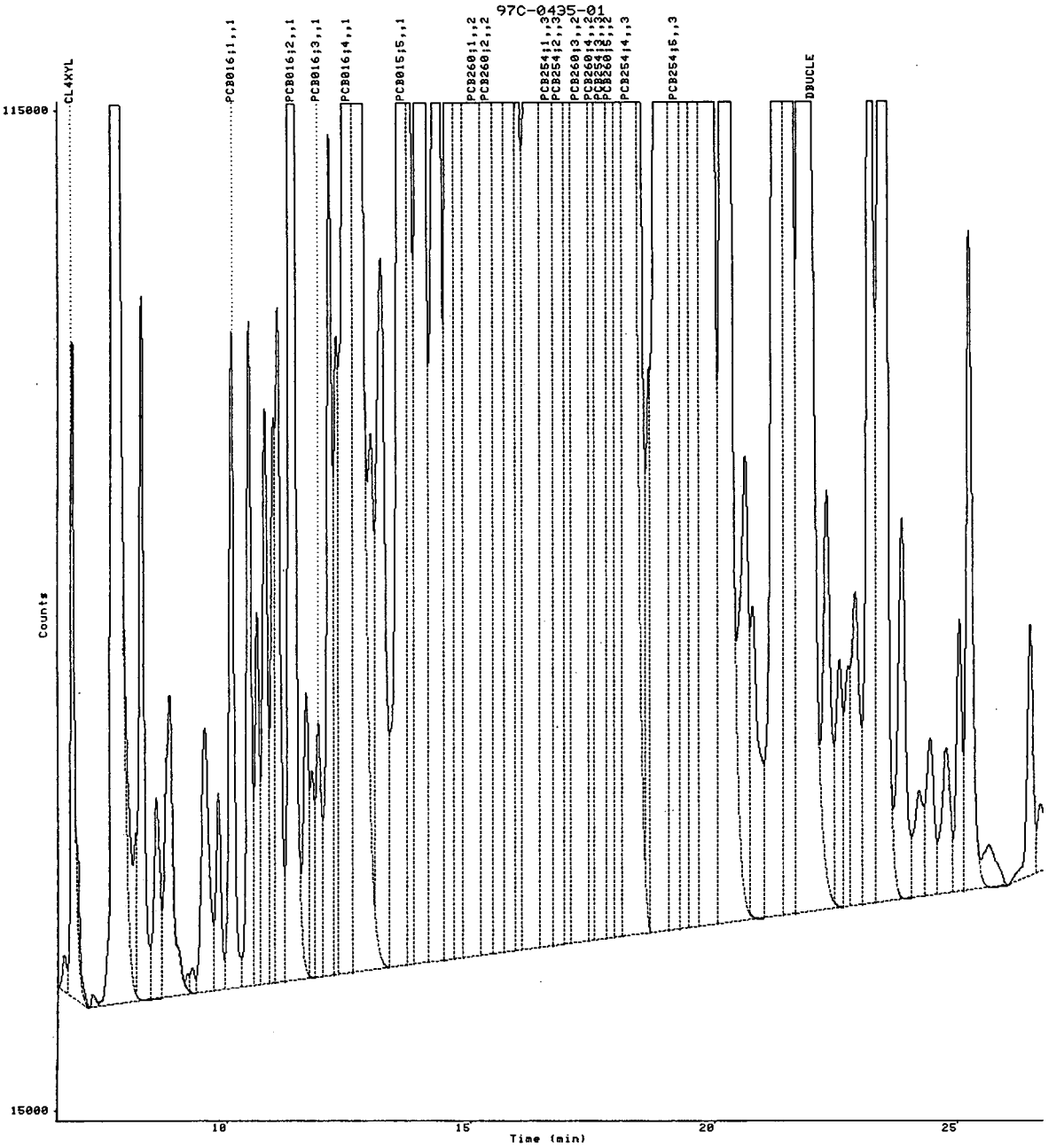
GROUP REPORT

Group	UG/ML
1	185.4

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326052.RAW;1
Report: 1197265475
Acquired: 23-NOV-1997 10:06:14
Time range: 6.50-26.75



97C05176MS

0404

Date.....15-DEC-1997 17:06:54.75 User: TAYLORC
Report number.....1197265476
Raw file.....DISK:[TAYLORC]5697326053.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 10:42:54
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05176MSD
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....86
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.631			2293			BV	
CL4XYL	6.803	-1.85	15.35	67464			VE	
	6.902			6346			EB	
	7.664			989361			BE	
	8.230			87640			EV	
	8.542			22688			EV	
	8.796			28814			VV	
	9.284			1636			VV	

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	9.532				25463	VV	
	9.813				19199	VV	
PCB016;1	10.090	0.61	146.2	+	72091	VV	1
	10.448				68187	VV	
	10.618				38168	VV	
	10.780				59503	VV	
	10.955				65645	VV	
	11.040				78834	VV	
PCB016;2	11.327	0.58			234614	VE	1
	11.624				26056	EV	
	11.742				19952	EV	
PCB016;3	11.873	0.34	60.71		26397	VV	1
	12.107				83251	VV	
PCB016;4	12.478	1.14			973687	VV	1
	12.651				499603	VE	
	12.950				39071	EV	
	13.160				70912	EV	
PCB015;5	13.597	0.37			315366	VV	1
	13.714				172710	VV	
	13.989				225325	VV	
	14.343				151034	VV	
	14.564				358654	VV	
	14.764				439097	VV	
PCB260;1	15.063	0.72			868197	VV	2
PCB260;2	15.343	0.33			967388	VV	2
	15.572				681289	VV	
	15.762				260822	VV	
	15.985				97261	VV	
	16.236				353788	VV	
PCB254;1	16.571	0.21			495935	VV	3
PCB254;2	16.803	0.18			733232	VV	3
	17.047				538026	VV	
PCB260;3	17.238	-2.25			957356	VV	2
PCB260;4	17.457	1.22			447751	VV	2
PCB254;3	17.677	-0.24			968488	VV	3
PCB260;5	17.860	0.24			573317	VV	2
	18.003				362378	VV	
PCB254;4	18.242	-0.50			925542	VE	3
	18.442				64000	EV	
	18.957				327029	VV	
PCB254;5	19.208	0.43			731315	VV	3
	19.367				577341	VV	
	19.603				571156	VV	
	19.796				969375	VV	
	20.263				261750	VE	
	20.643				40049	EV	
	20.798				24789	EV	
	21.349				494235	VV	
	21.522				483503	VV	
	21.821				489128	VE	
	22.315				34142	EV	
	22.577				15407	EV	
	22.760				15802	VV	
	22.891				15780	VV	
	23.208				112394	VV	
	23.473				291783	VE	
	23.859				28982	EV	
	24.206				2904	VV	
	24.417				7863	VV	
	24.778				11245	VV	

25.039	27038	VV
25.238	67160	VB
26.180	1098	BV
26.488	27687	VV
26.709	6982	VV
27.025	4357	VV
27.158	5254	VV
27.369	7001	VV
27.577	54710	VV
27.843	18131	VV
28.147	27694	VE
28.655	2962	EV
28.816	3091	EV
29.015	3988	EV
29.064	3969	VV
29.362	5942	VV
30.114	12003	VV
30.381	11077	VB

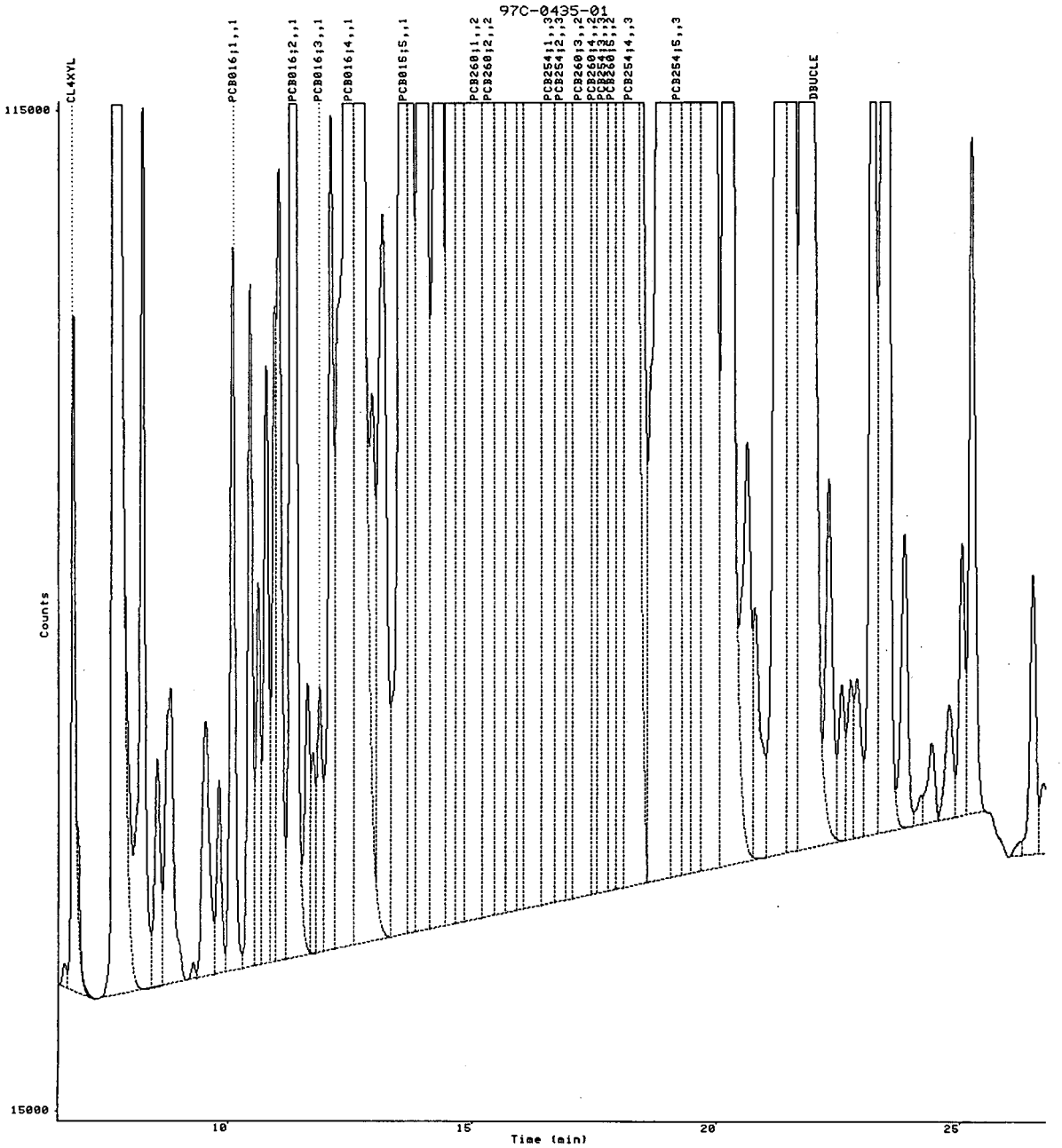
GROUP REPORT

Group	UG/ML
1	206.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326053.RAW;1
Report: 1197265476
Acquired: 23-NOV-1997 10:42:54
Time range: 6.50-26.75



97C05176MSD

0408

Date.....15-DEC-1997 17:07:08.53 User: TAYLORC
Report number.....1197265477
Raw file.....DISK:[TAYLORC]5697326054.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 11:19:36
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05177
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.632			3861			BV	
CL4XYL	6.803	-1.89	15.41	67700			VE	
	6.900			6396			EB	
	7.392			255			BV	
	7.666			814856			VE	
	8.233			75990			EV	
	8.536			17308			EV	
	8.822			25937			VB	

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	9.286			1434	BV	
	9.528			23166	VV	
	9.813			13658	VV	
PCB016;1	10.090	0.62	94.90	52587	VV	1
	10.448			59242	VV	
	10.616			35458	VV	
	10.777			47351	VV	
	10.952			55530	VV	
	11.040			59200	VV	
PCB016;2	11.328	0.53		208001	VE	1
	11.621			23278	EV	
	11.741			19580	EV	
PCB016;3	11.857	1.35	28.09	12446	VV	1
	12.108			65890	VV	
	12.251			46354	VV	
PCB016;4	12.478	1.15		972328	VV	1
	12.650			469470	VE	
	12.953			40602	EV	
	13.167			65916	EV	
PCB015;5	13.595	0.45		292777	VV	1
	13.714			153508	VV	
	13.999			210503	VV	
	14.344			155364	VV	
	14.564			396620	VV	
	14.764			440581	VV	
PCB260;1	15.062	0.76		939189	VV	2
PCB260;2	15.344	0.31		976284	VV	2
	15.572			727242	VV	
	15.763			245822	VV	
	15.978			79905	VV	
	16.235			339829	VV	
PCB254;1	16.570	0.26		510604	VV	3
PCB254;2	16.802	0.24		762358	VV	3
	17.040			485923	VV	
PCB260;3	17.237	-2.14		960164	VV	2
PCB260;4	17.464	0.78		454907	VV	2
PCB254;3	17.677	-0.26		965240	VV	3
PCB260;5	17.860	0.27		628791	VV	2
	18.000			397106	VV	
PCB254;4	18.242	-0.49		972091	VE	3
	18.443			76612	EV	
	18.957			355490	VV	
PCB254;5	19.207	0.49		845324	VV	3
	19.367			638624	VV	
	19.604			637663	VV	
	19.793			968577	VV	
	20.264			297849	VE	
	20.625			49774	EV	
	20.800			36501	EV	
	21.350			561868	VV	
	21.522			541135	VV	
	21.822			498561	VE	
	22.313			54811	EV	
	22.578			26785	EV	
	22.772			19010	VV	
	23.211			112086	VV	
	23.472			302364	VE	
	23.856			36976	EV	
	24.431			13933	VV	
	24.771			12632	VV	

25.038	25558	VV
25.240	60958	VE
25.639	4929	EV
25.830	2518	VB
26.488	22398	BB
26.716	1596	BB
27.152	1643	BB
27.371	1280	BB
27.577	47080	BE
27.846	4217	EB
28.149	17108	BB
28.652	341	BB
28.996	1200	BV
29.352	4446	VV
30.109	11141	VV
30.387	12439	VB

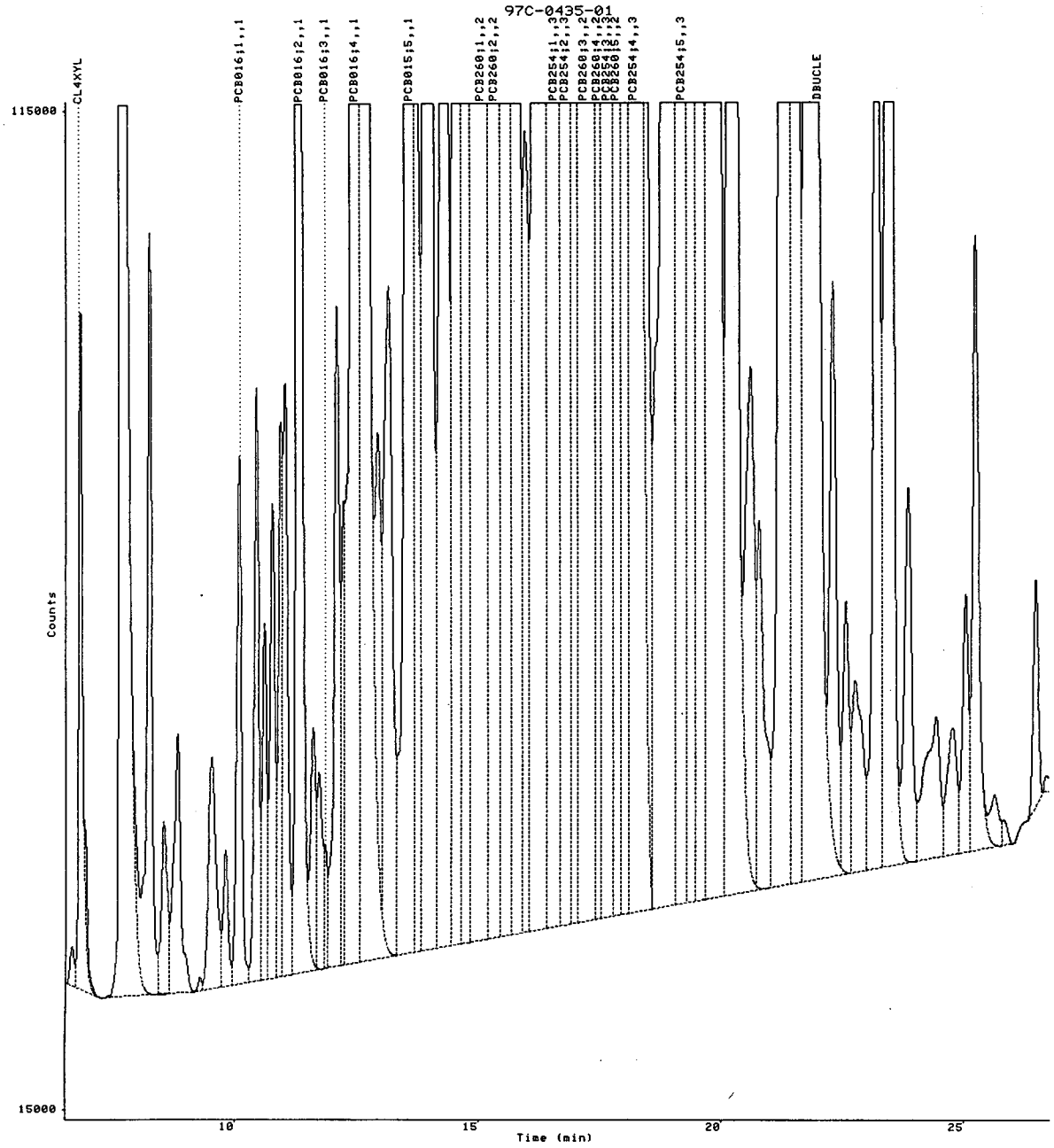
GROUP REPORT

Group	UG/ML
1	123.0

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326054.RAW;1
Report: 1197265477
Acquired: 23-NOV-1997 11:19:36
Time range: 6.50-26.75



97C05177

0412

Date.....15-DEC-1997 17:07:23.12 User: TAYLORC
Report number.....1197265478
Raw file.....DISK:[TAYLORC]5697326055.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 11:56:21
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05178
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....60
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.88	PCB016;3	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.14	16.60	72719			BE	
	7.660			986			EB	
	7.890			773			BV	
	8.232			1595			VV	
	8.418			662			VB	
	8.663			332			BV	
	8.862			209			VB	

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	9.221			278	BB	
	9.659			277	BB	
	10.449			82	BB	
	10.684			127	BB	
	10.992			804	BV	
PCB016;2	11.333	0.25	0.4378 -	733	VV	1
	11.636			530	VB	
PCB016;4	12.496	0.09	2.524	783	BV	1
	12.649			812	VB	
PCB015;5	13.602	0.07	0.7031	440	BV	1
	13.787			589	VV	
	13.997			312	VB	
	14.584			406	BV	
	14.776			275	VB	
PCB260;1	15.062	0.80	7.363	2966	BB	2
PCB260;2	15.353	-0.25	6.060	2539	BV	2
	15.575			1808	VE	
	15.784			277	EB	
	16.238			446	BB	
PCB254;1	16.578	-0.25	-0.7013 -	701	BV	3
PCB254;2	16.807	-0.08	0.3232 -	1130	VV	3
	17.044			713	VV	
PCB260;3	17.225	-1.44	10.88	8114	VE	2
PCB260;4	17.473	0.25	0.9747	448	EB	2
PCB254;3	17.687	-0.85	1.387	1867	BV	3
PCB260;5	17.858	0.33	0.9146	1032	VB	2
PCB254;4	18.244	-0.63	4.867	3183	BB	3
	18.962			569	BB	
PCB254;5	19.226	-0.65	1.348	830	BV	3
	19.367			1423	VV	
	19.608			1491	VV	
	19.805			4219	VB	
	20.275			502	BB	
	20.828			133	BB	
	21.353			1518	BV	
	21.529			1046	VV	
DBUCLE	21.998	0.85	13.35	42764	VE	
	22.313			186	EB	
	23.248			772	BB	
	24.420			254	BB	
	25.003			1592	BV	
	25.425			500	VB	
	25.619			105	BB	
	25.827			252	BB	
	26.488			2017	BV	
	26.996			2346	VV	
	27.570			51956	VE	
	27.970			3545	EV	
	28.300			455	VB	
	28.883			1881	BV	
	29.056			2943	VV	
	29.392			4579	VV	
	30.045			8859	VB	

GROUP REPORT

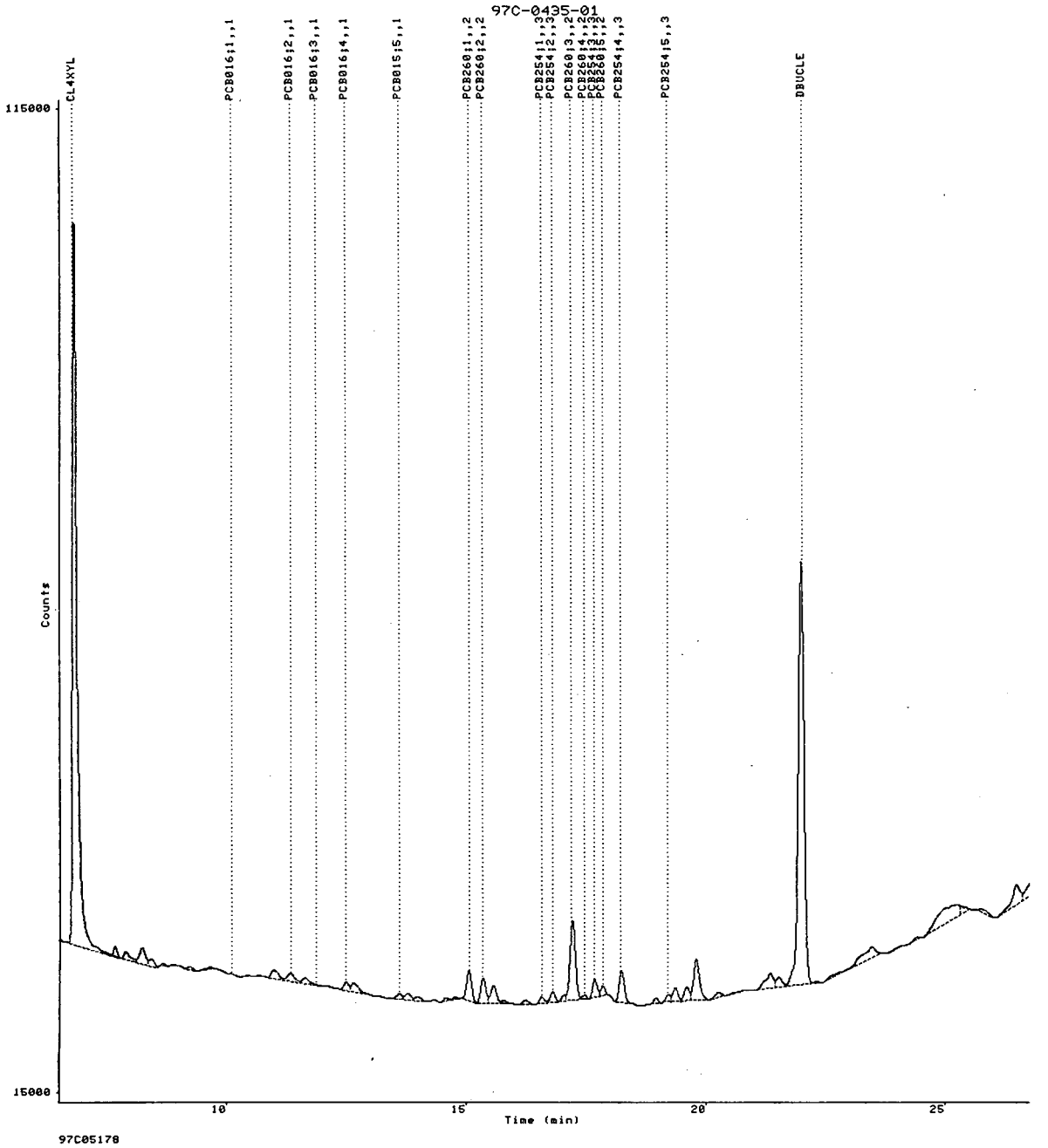
Group	UG/ML
1	3.665

2	26.19
3	7.224 $\times \frac{5}{1}$ = 9.03

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326055.RAW;1
Report: 1197265478
Acquired: 23-NOV-1997 11:56:21
Time range: 6.50-26.75



0416

Date.....15-DEC-1997 17:07:36.83 User: TAYLORC
Report number.....1197265479
Raw file.....DISK:[TAYLORC]5697326056.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 12:33:12
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05179
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

==========
EXTERNAL STANDARD ANALYSIS
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Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
CL4XYL	6.806	-2.04	16.31	71488		BE	
	7.352			1219		EV	
	7.479			1212		EV	
	7.666			46266		VE	
	8.210			8615		EV	
	8.509			2201		EV	
	8.825			2347		VV	
	9.003			1749		VB	
	9.534			2312		BV	
	9.821			2446		VB	
PCB016;1	10.128	-1.67	4.059	3143		BV	
	10.453			3639		VV	
	10.583			1899		VV	
	10.787			3086		VV	
	10.972			4676		VV	

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	11.146				7730	VV	
PCB016;2	11.340	-0.20	9.163		11328	VE	1
	11.633				1850	EV	
PCB016;3	11.746	7.98	4.065		1873	EV	1
	12.108				3397	VV	
	12.243				1816	VV	
	12.321				1761	VV	
PCB016;4	12.487	0.61	109.6		32625	VV	1
	12.663				25291	VE	
	12.952				2142	EV	
	13.166				2490	EB	
PCB015;5	13.600	0.18	28.34		12631	BV	1
	13.738				6990	VV	
	13.991				7486	VV	
	14.342				6339	VV	
	14.571				18791	VV	
	14.770				19466	VV	
PCB260;1	15.063	0.70	192.7	+	55652	VV	2
PCB260;2	15.345	0.23	273.4	+	61361	VV	2
	15.574				42849	VE	
	15.776				6722	EB	
	16.242				17519	BV	
PCB254;1	16.571	0.18	49.19		20039	VV	3
PCB254;2	16.801	0.29	47.26		32286	VV	3
	17.036				18676	VV	
PCB260;3	17.239	-2.30			488516	VE	2
PCB260;4	17.469	0.46	57.86		18856	EV	2
PCB254;3	17.677	-0.24	80.25		82310	VV	3
PCB260;5	17.857	0.43	39.67		35004	VV	2
	17.996				19365	VV	
PCB254;4	18.242	-0.49	136.3	+	76245	VB	3
	18.956				16836	BV	
PCB254;5	19.211	0.26	75.49		42013	VV	3
	19.365				34396	VV	
	19.602				40249	VV	
	19.799				91013	VV	
	20.260				18975	VV	
	20.562				7684	VV	
	20.806				6435	VB	
	21.352				32480	BV	
	21.523				28911	VV	
	21.821				31609	VV	
DBUCLE	22.000	0.74	13.33		42710	VV	
	22.314				11121	VV	
	22.578				5317	VV	
	22.794				2439	VB	
	23.193				7764	BV	
	23.473				16427	VB	
	23.851				2525	BV	
	24.054				748	VV	
	24.311				1838	VB	
	24.669				1040	BV	
	24.772				498	VB	
	25.029				1427	BV	
	25.241				3778	VB	
	25.631				580	BB	
	25.882				144	BB	
	26.265				789	BV	
	26.487				2360	VB	
	26.779				227	BB	

27.571	48516	BE
27.866	2395	EV
28.155	5106	EB
28.449	45	BB
28.658	1325	BB
28.984	196	BB
29.163	96	BB
29.901	1335	BB
30.729	375	BB

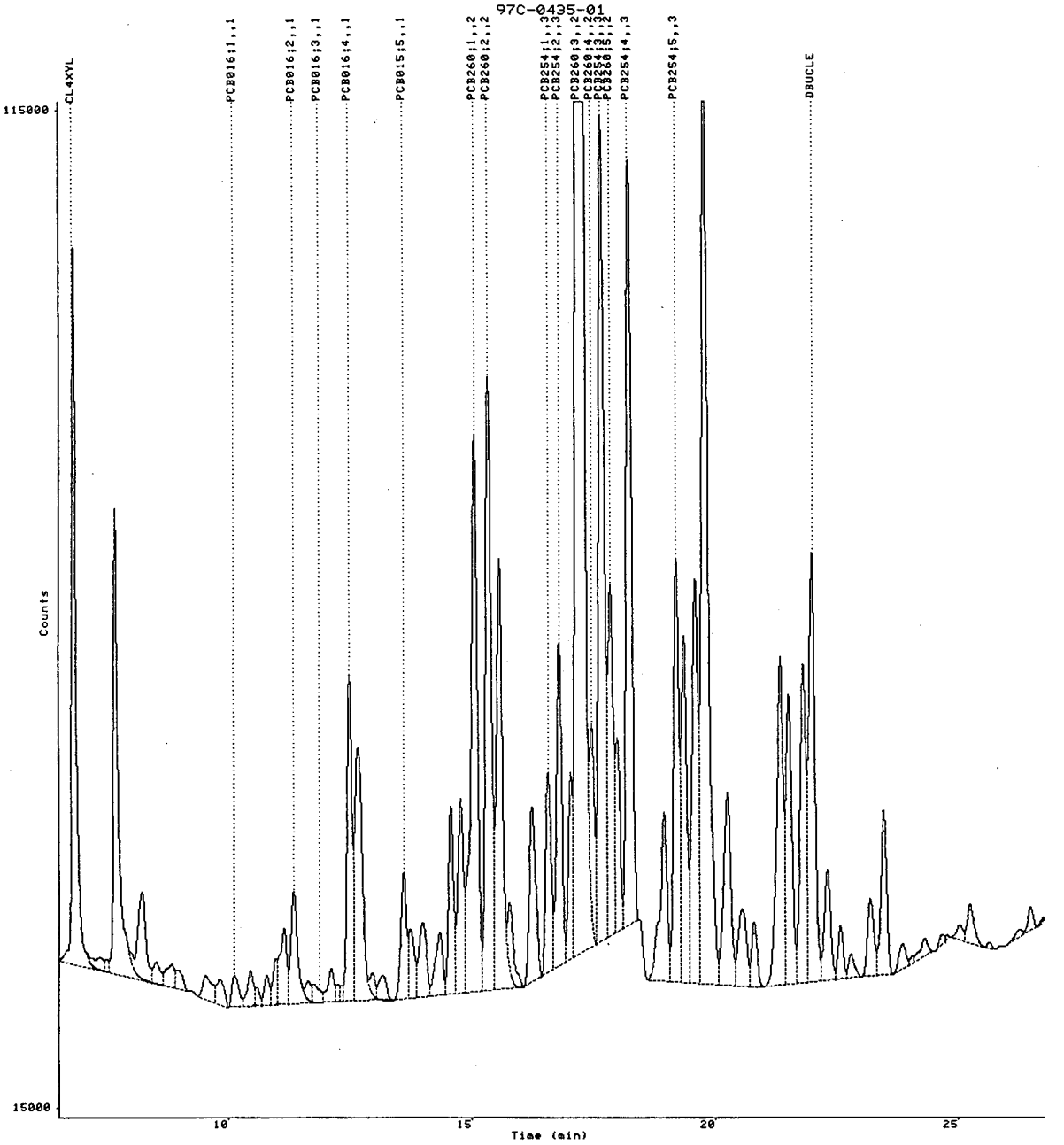
GROUP REPORT

Group	UG/ML
1	155.2
2	563.6
3	388.5

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326056.RAW;1
Report: 1197265479
Acquired: 23-NOV-1997 12:33:12
Time range: 6.50-26.75



97C05179

0420

Date.....15-DEC-1997 17:07:51.09 User: TAYLORC
Report number.....1197265480
Raw file.....DISK:[TAYLORC]5697326057.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 13:09:56
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05180
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.001 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....55
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.88	PCB016;3	1		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.807	-2.12	16.25	71253			BB	
	7.662			1486			BV	
	7.886			828			VB	
	8.238			2576			BB	
	8.834			37			BB	
	9.247			139			BB	
	9.648			255			BB	

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	10.464				107	BB	
	11.049				254	BB	
PCB016;2	11.353	-0.97	0.2664	-	522	BB	1
PCB016;4	12.495	0.11	1.897		563	BV	1
	12.738				651	VB	
	13.162				305	BB	
PCB015;5	13.593	0.63	0.4240	-	312	BV	1
	13.791				458	VB	
	14.586				601	BV	
	14.773				620	VV	
PCB260;1	15.061	0.85	15.22		5692	VV	2
PCB260;2	15.351	-0.10	12.31		5105	VV	2
	15.568				4330	VE	
	15.800				287	EB	
	16.247				513	BV	
PCB254;1	16.576	-0.10	0.5950	-	1250	VV	3
PCB254;2	16.802	0.24	1.564		2020	VV	3
	17.039				1375	VV	
PCB260;3	17.222	-1.23	18.52		13545	VE	2
PCB260;4	17.476	0.09	3.524		1350	EV	2
PCB254;3	17.688	-0.93	3.429		4247	VV	3
PCB260;5	17.861	0.17	3.888		3834	VV	2
PCB254;4	18.245	-0.63	9.748		6434	VB	3
	18.961				1713	BV	
PCB254;5	19.222	-0.41	2.590		1608	VV	3
	19.370				3450	VV	
	19.608				3200	VV	
	19.806				8822	VV	
	20.267				1208	VB	
	20.801				189	BB	
	21.352				3095	BV	
	21.530				2292	VV	
DBUCLE	21.998	0.85	13.72		43907	VE	
	22.304				584	EB	
	22.592				87	BB	
	23.204				700	BV	
	23.476				1685	VB	
	23.857				73	BB	
	24.408				304	BB	
	25.065				236	BV	
	25.244				429	VB	
	26.493				1597	BB	
	27.573				51124	BE	
	27.966				4437	EB	
	28.881				150	BB	
	29.505				184	BB	
	30.112				2060	BB	

GROUP REPORT

Group	UG/ML
1	2.587
2	53.46
3	17.93

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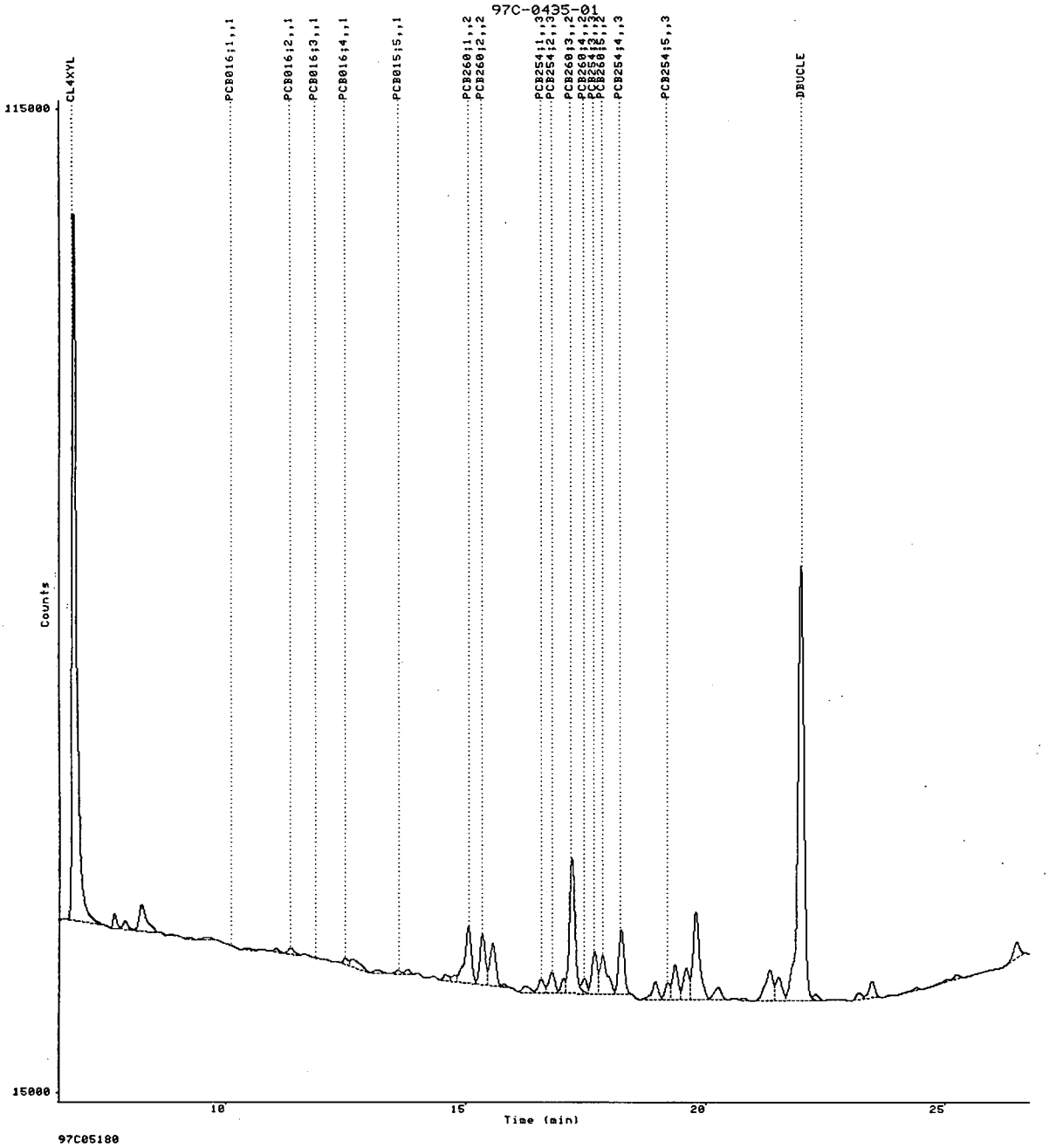
ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)

2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326057.RAW;1
Report: 1197265480
Acquired: 23-NOV-1997 13:09:56
Time range: 6.50-26.75



Date.....15-DEC-1997 17:08:05.12 User: TAYLORC
Report number.....1197265481
Raw file.....DISK:[TAYLORC]5697326058.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 13:46:23
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05181
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
11.88	PCB016;3	1		
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.635			3357			BV	
CL4XYL	6.804	-1.91	14.82	65215			VB	
	7.666			417045			BV	
	8.231			99471			VV	
	8.529			21508			VV	
	8.825			23606			VB	
	9.286			952			BV	

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	9.529				20576	VV	
	9.813				8342	VV	
PCB016;1	10.090	0.60	64.07		37940	VV	1
	10.450				30973	VV	
	10.619				36942	VV	
	10.773				42994	VV	
	10.955				38997	VV	
	11.040				41583	VV	
PCB016;2	11.333	0.25	158.0	+	148471	VE	1
	11.622				19843	EV	
	11.745				19753	EV	
	12.109				42424	VV	
PCB016;4	12.482	0.89			602171	VV	1
	12.646				375260	VE	
	12.957				39927	EV	
	13.163				56408	EV	
PCB015;5	13.595	0.45			257085	VV	1
	13.720				125747	VV	
	14.009				189434	VV	
	14.341				127840	VV	
	14.565				330266	VV	
	14.766				381487	VV	
PCB260;1	15.062	0.78			981358	VV	2
PCB260;2	15.347	0.11			975808	VV	2
	15.572				864454	VV	
	15.766				231471	VV	
	15.978				60489	VV	
	16.237				368869	VV	
PCB254;1	16.570	0.24			562092	VV	3
PCB254;2	16.804	0.10			908307	VV	3
	17.037				560659	VV	
PCB260;3	17.233	-1.95			959881	VV	2
PCB260;4	17.474	0.20			515847	VV	2
PCB254;3	17.687	-0.83			965580	VV	3
PCB260;5	17.861	0.18			793993	VV	2
	18.005				538107	VV	
PCB254;4	18.245	-0.66			979684	VE	3
	18.445				107981	EV	
	18.960				470027	VV	
PCB254;5	19.211	0.22			972149	VV	3
	19.369				831257	VV	
	19.606				823478	VV	
	19.790				966317	VV	
	20.268				386932	VE	
	20.627				68849	EV	
	20.803				52299	EV	
	21.352				728586	VV	
	21.527				678050	VV	
	21.825				644949	VE	
	22.315				80315	EV	
	22.577				34258	EV	
	22.773				24464	VV	
	23.215				148169	VV	
	23.476				391708	VE	
	23.856				48765	EV	
	24.321				14142	VV	
	24.417				13417	VV	
	24.772				13501	VV	
	25.041				30530	VV	
	25.247				76534	VE	

25.646	4736	EV
25.858	1613	VB
26.494	31101	BE
26.615	405	EV
27.187	6996	EV
27.389	10826	VV
27.584	55390	VE
27.850	9773	EV
27.956	9742	EV
28.156	25008	VV
28.652	7118	VV
28.985	2610	VV
29.340	3524	VV
29.810	3218	VV
30.117	5258	VV
30.401	5054	VV
30.668	2445	VB

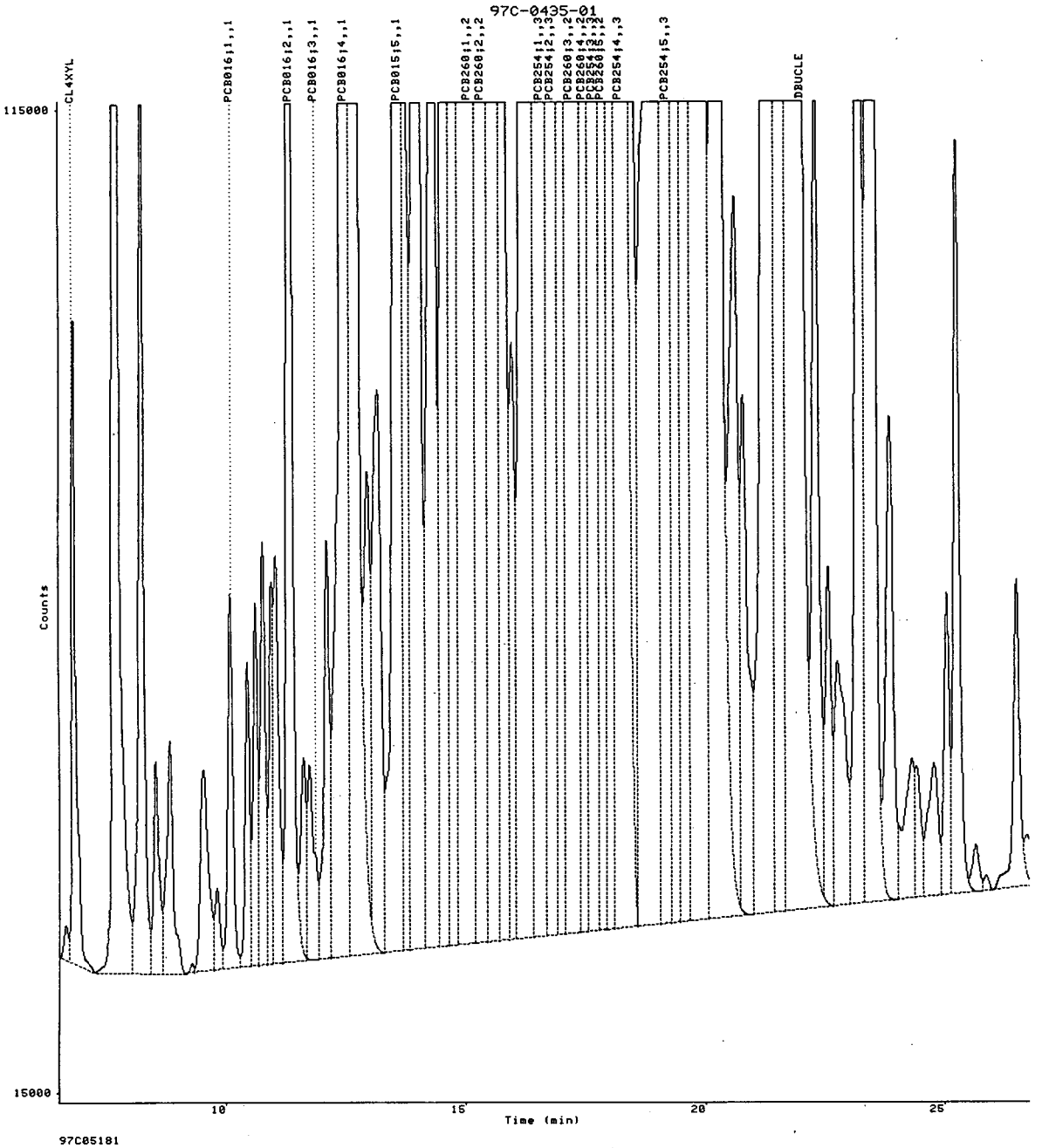
GROUP REPORT

Group	UG/ML
1	222.1

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326058.RAW;1
Report: 1197265481
Acquired: 23-NOV-1997 13:46:23
Time range: 6.50-26.75



0428

Date.....15-DEC-1997 17:08:19.54 User: TAYLORC
Report number.....1197265482
Raw file.....DISK:[TAYLORC]5697326059.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 14:23:09
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05182
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
17.48	PCB260;4	2	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.619			1189		BV	
CL4XYL	6.805	-1.98	15.82	69434		VV	
	6.908			23958		VB	
	7.237			491		BB	
	7.665			985145		BE	
	8.091			9956		EV	
	8.234			68217		EV	

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	8.571			16456	EV	
	8.821			35876	VE	
	8.990			1808	EV	
	9.098			2256	EV	
	9.282			4593	EV	
	9.557			25243	VV	
	9.814			7009	VB	
PCB016;1	10.091	0.52	124.7	64654	BB	1
	10.451			36938	BE	
	10.616			7714	EV	
	10.781			46015	VV	
	10.952			87264	VV	
	11.039			78209	VV	
PCB016;2	11.329	0.49		241906	VB	1
	11.736			14981	BV	
PCB016;3	11.878	0.04	28.09	12446	VV	1
	11.975			5783	VV	
	12.110			24014	VV	
PCB016;4	12.477	1.18		959916	VV	1
	12.642			265181	VE	
	12.939			14279	EV	
	13.154			23824	EB	
PCB015;5	13.596	0.40		179564	BV	1
	13.711			79586	VV	
	14.008			104523	VV	
	14.353			55544	VV	
	14.566			207223	VV	
	14.764			212220	VV	
PCB260;1	15.066	0.56		386991	VV	2
PCB260;2	15.344	0.30		472920	VV	2
	15.579			272201	VV	
	15.763			109042	VE	
	15.947			501	EB	
	16.239			151467	BV	
PCB254;1	16.574	-0.00		243501	VV	3
PCB254;2	16.806	-0.01		374906	VV	3
PCB260;3	17.237	-2.18		916016	VV	2
PCB254;3	17.677	-0.26		710058	VV	3
PCB260;5	17.860	0.23		251262	VV	2
	18.003			159848	VV	
PCB254;4	18.245	-0.67		423513	VE	3
	18.654			3247	EB	
	18.958			129084	BV	
PCB254;5	19.211	0.26		396707	VV	3
	19.367			284121	VV	
	19.607			263192	VV	
	19.800			665629	VV	
	20.268			120886	VB	
	20.655			7170	BB	
	21.352			251941	BV	
	21.523			232043	VV	
	21.825			209565	VE	
	22.306			1860	EB	
	22.744			4678	BV	
	23.216			40633	VV	
	23.474			123772	VE	
	23.866			12388	EB	
	24.191			460	BB	
	24.420			3311	BB	
	24.786			2689	BV	

25.043	8991	VV
25.242	20808	VE
25.682	3042	EB
26.237	612	BV
26.492	8926	VV
26.703	5570	VV
26.988	3901	VV
27.128	3356	VV
27.344	3862	VV
27.578	53264	VV
27.843	15186	VV
28.153	27473	VE
29.025	2627	EV
29.345	5567	VB
29.782	253	BB
29.891	150	BV
30.399	10718	VB

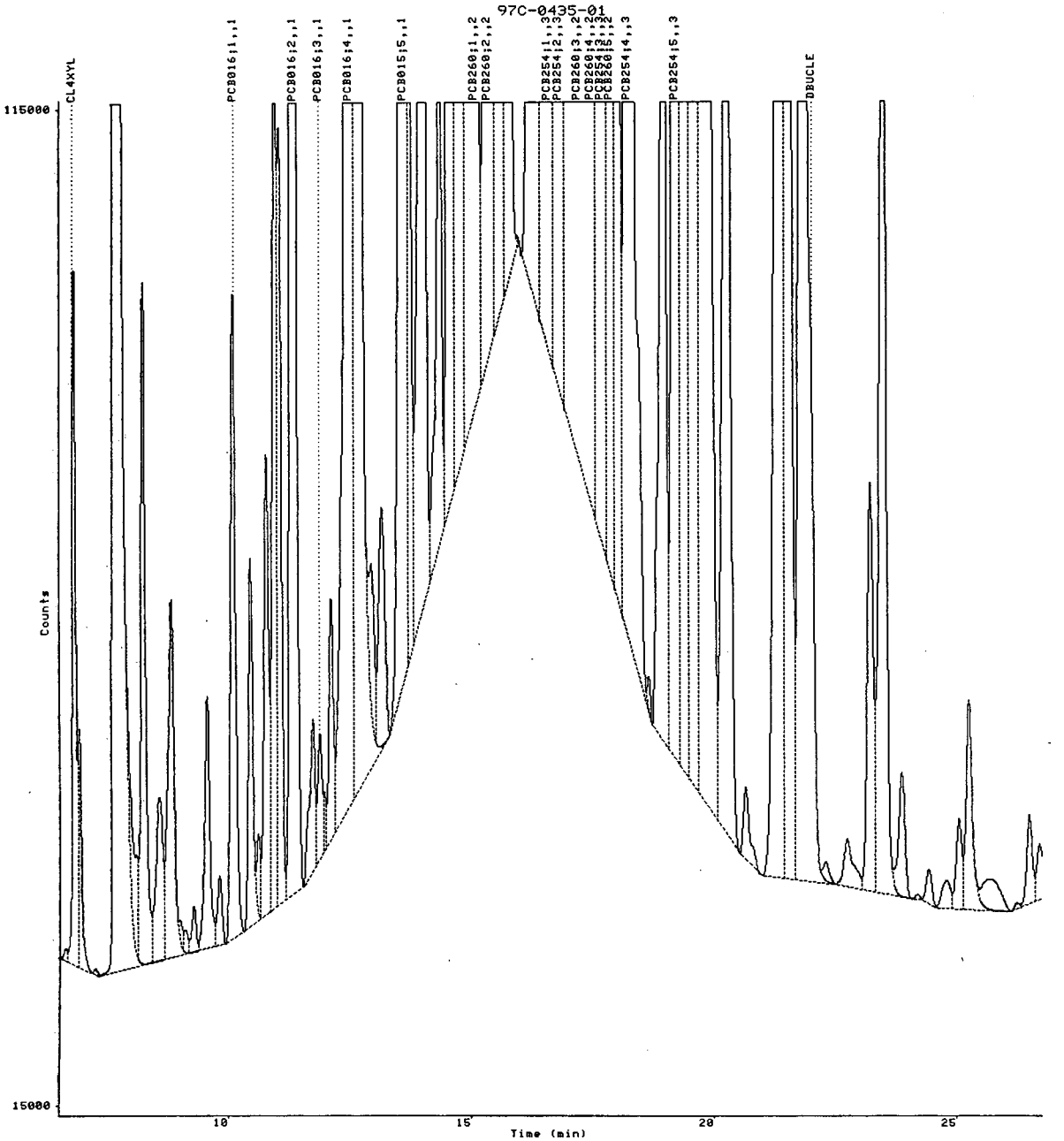
GROUP REPORT

Group	UG/ML
1	152.8

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326059.RAW;1
Report: 1197265482
Acquired: 23-NOV-1997 14:23:09
Time range: 6.50-26.75



97C05182

Date.....15-DEC-1997 17:08:47.74 User: TAYLORC
Report number.....1197265484
Raw file.....DISK:[TAYLORC]5697326061.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 15:36:46
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05183
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....88
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.635			1077			BB	
CL4XYL	6.805	-1.96	13.10	57902			BB	
	7.397			94			BB	
	7.666			970361			BE	
	8.234			83781			EV	
	8.539			15739			EV	
	8.824			23794			VB	
	9.286			1675			BV	

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	9.538				22731	VV	
	9.815				17013	VV	
PCB016;1	10.091	0.53	93.26		51860	VV	1
	10.450				59846	VV	
	10.620				37114	VV	
	10.778				54424	VV	
	10.955				50430	VV	
	11.044				58013	VV	
PCB016;2	11.331	0.34	277.5	+	198994	VE	1
	11.627				26258	EV	
	11.744				21720	EV	
PCB016;3	11.864	0.89	35.10		15487	VV	1
	12.110				75673	VV	
	12.253				57192	VV	
PCB016;4	12.481	0.98			980208	VV	1
	12.653				488662	VE	
	12.956				39960	EV	
	13.162				68222	EV	
PCB015;5	13.598	0.29			316048	VV	1
	13.718				164242	VV	
	13.994				218759	VV	
	14.348				150349	VV	
	14.568				372005	VV	
	14.767				449131	VV	
PCB260;1	15.065	0.61			935582	VV	2
PCB260;2	15.346	0.17			978980	VV	2
	15.576				731562	VV	
	15.765				259207	VV	
	15.981				90480	VV	
	16.238				362757	VV	
PCB254;1	16.572	0.10			535602	VV	3
PCB254;2	16.806	-0.00			796528	VV	3
	17.047				550504	VV	
PCB260;3	17.234	-1.97			959537	VV	2
PCB260;4	17.466	0.67			487230	VV	2
PCB254;3	17.680	-0.40			967049	VV	3
PCB260;5	17.863	0.07			635593	VV	2
	18.004				417662	VV	
PCB254;4	18.246	-0.72			973653	VE	3
	18.442				72652	EV	
	18.677				62228	EV	
	18.959				369138	VV	
PCB254;5	19.210	0.30			839801	VV	3
	19.368				660053	VV	
	19.607				650900	VV	
	19.797				972770	VV	
	20.267				304454	VE	
	20.639				46228	EV	
	20.801				33727	EV	
	21.352				570607	VV	
	21.524				555388	VV	
	21.825				524550	VE	
	22.317				45165	EV	
	22.579				23004	EV	
	22.768				19801	VV	
	22.888				18357	VV	
	23.215				118894	VV	
	23.475				320567	VE	
	23.861				40030	EV	
	24.420				11828	VV	

24.772	12147	VV
25.042	25444	VV
25.244	62611	VE
25.646	2716	EV
25.859	1128	VB
26.194	308	BB
26.493	22903	BE
26.708	904	EB
27.181	2624	BV
27.373	7489	VV
27.581	53103	VE
27.840	9165	EV
28.155	25009	VE
28.658	790	EB
29.342	325	BB
29.539	96	BB
29.773	576	BV
30.120	2434	VV
30.403	4354	VV
30.667	1657	VB

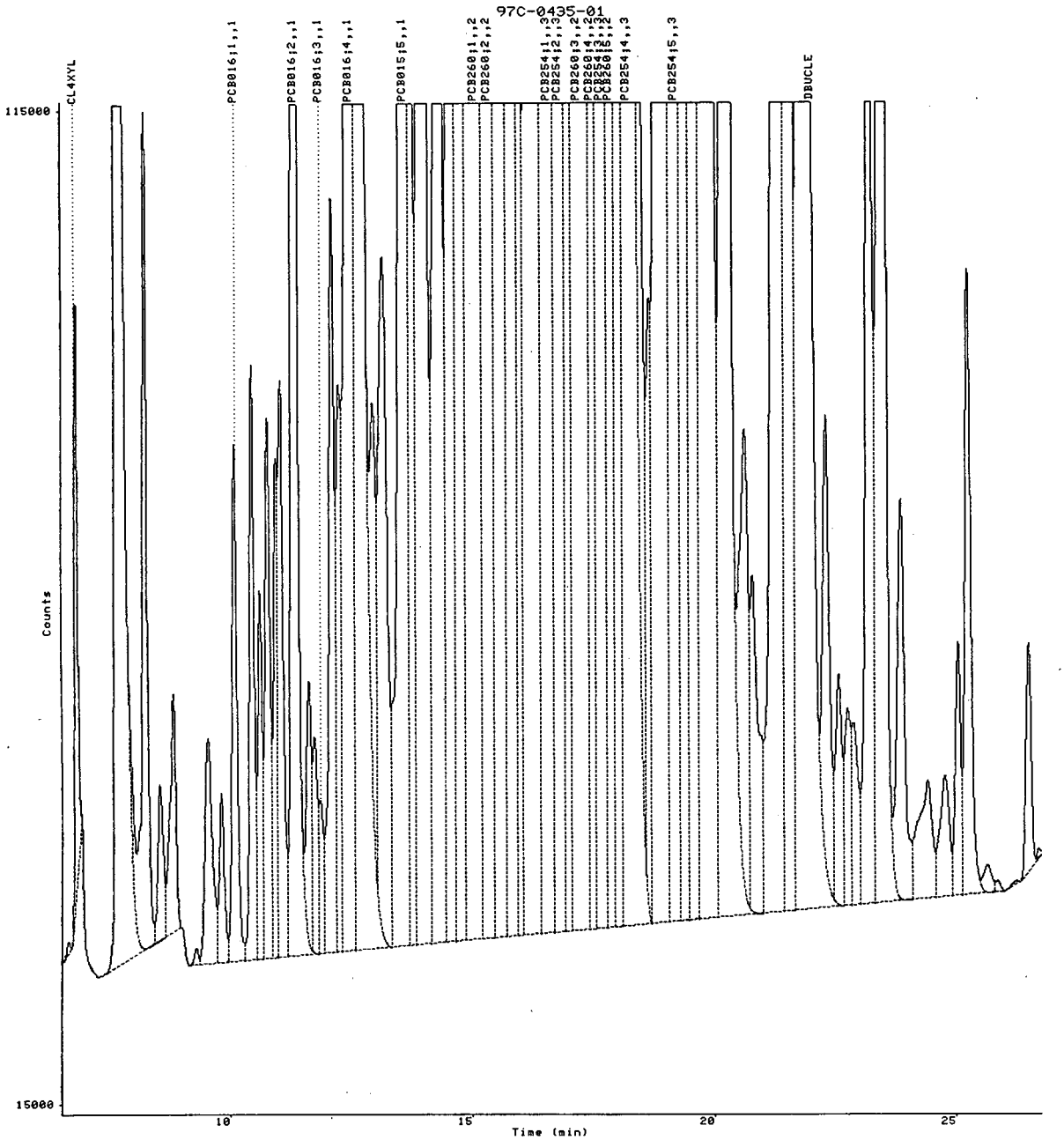
GROUP REPORT

Group	UG/ML
1	405.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326061.RAW;1
Report: 1197265484
Acquired: 23-NOV-1997 15:36:46
Time range: 6.50-26.75



97C05183

0436

Date.....15-DEC-1997 17:09:01.91 User: TAYLORC
Report number.....1197265485
Raw file.....DISK:[TAYLORC]5697326062.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 16:13:33
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05184
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....84
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
22.01	DBUCLE			

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.635			1800			BV	
CL4XYL	6.806	-2.03	15.79	69333			VB	
	7.394			202			BV	
	7.666			400502			VV	
	8.235			61805			VV	
	8.533			24298			VV	
	8.762			25484			VB	
	9.292			2343			BV	

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	9.537				13985	VV	
	9.815				7313	VV	
PCB016;1	10.087	0.76	135.4	+	68479	VV	1
	10.454				28292	VV	
	10.618				42886	VV	
	10.787				134019	VV	
	10.953				67120	VV	
	11.040				67122	VV	
PCB016;2	11.333	0.24			825248	VE	1
PCB016;3	11.878	0.08	108.3		45897	EV	1
	12.108				92535	EV	
	12.335				143574	VV	
PCB016;4	12.486	0.68			968907	VV	1
	12.643				729970	VE	
	13.186				50718	EV	
PCB015;5	13.593	0.59			512334	VV	1
	13.712				236638	VV	
	14.017				605091	VV	
	14.351				340430	VV	
	14.566				943731	VV	
	14.766				971670	VV	
PCB260;1	15.062	0.76			975714	VV	2
PCB260;2	15.344	0.32			968001	VV	2
	15.576				972527	VV	
	15.762				666399	VV	
	16.234				561527	VV	
PCB254;1	16.570	0.25			763722	VV	3
PCB254;2	16.802	0.22			972418	VV	3
	17.036				727801	VV	
PCB260;3	17.209	-0.51			958932	VV	2
PCB260;4	17.473	0.24			679782	VV	2
PCB254;3	17.684	-0.68			959243	VV	3
PCB260;5	17.860	0.24			963969	VV	2
	18.009				739511	VV	
PCB254;4	18.244	-0.62			972772	VE	3
	18.452				143792	EV	
	18.665				99174	EV	
	18.828				197148	VV	
	18.961				613932	VV	
PCB254;5	19.214	0.03			968013	VV	3
	19.367				966990	VV	
	19.610				968361	VV	
	19.786				963008	VV	
	20.266				467403	VE	
	20.638				103367	EV	
	20.800				66840	EV	
	21.352				864293	VV	
	21.525				804253	VV	
	21.825				808237	VE	
	22.317				87625	EV	
	22.575				32767	EV	
	22.780				37015	VV	
	22.872				34726	VV	
	23.211				200672	VV	
	23.475				497878	VE	
	23.855				56819	EV	
	24.398				21778	VV	
	24.713				9906	VV	
	24.825				11617	VV	
	25.041				45725	VV	

25.243	108667	VE
25.624	6489	EB
26.159	1257	BV
26.493	52508	VV
26.711	41824	VV
27.371	10775	VV
27.581	62404	VV
27.860	16481	VV
27.971	16432	VV
28.153	26885	VV
28.658	9878	VV
28.951	5185	VV
29.343	7983	VV
29.810	4794	VV
30.143	5468	VV
30.388	7956	VB

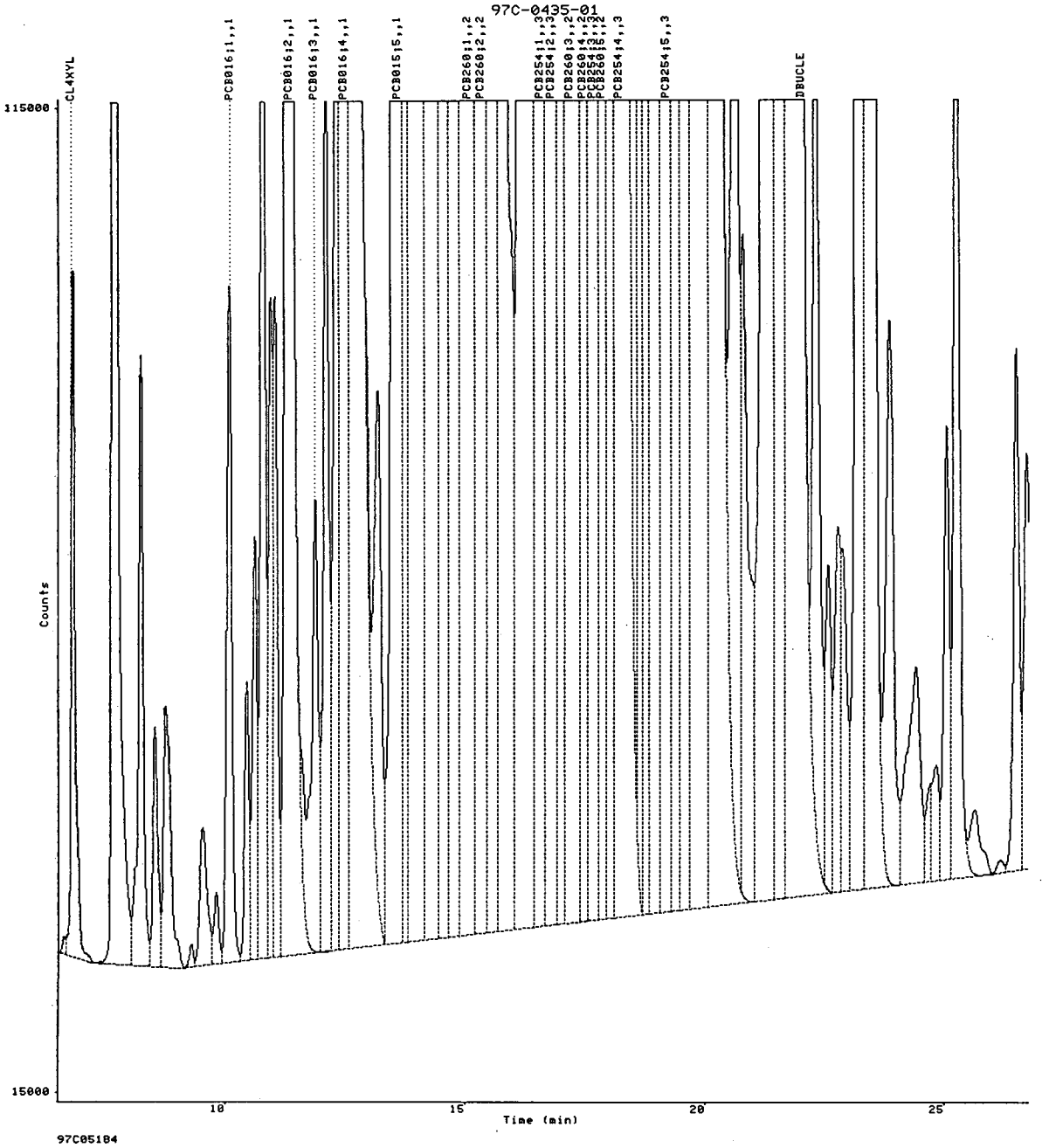
GROUP REPORT

Group	UG/ML
1	243.6

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326062.RAW;1
Report: 1197265485
Acquired: 23-NOV-1997 16:13:33
Time range: 6.50-26.75



0440

Date.....15-DEC-1997 17:09:16.32 User: TAYLORC
Report number.....1197265486
Raw file.....DISK:[TAYLORC]5697326063.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....5

Acq. date.....23-NOV-1997 16:50:17
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05185
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....78
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
17.48	PCB260;4	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.645			2634			BV	
CL4XYL	6.805	-2.00	16.21	71078			VE	
	7.102			1972			EB	
	7.379			605			BB	
	7.667			777575			BV	
	8.234			178668			VE	
	8.525			17286			EV	
	8.808			7553			EV	

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	9.008			1514	VV	
	9.271			1823	VV	
	9.544			6579	VV	
	9.816			4494	VV	
PCB016;1	10.095	0.33	45.69	28164	VV	1
	10.449			16589	VV	
	10.623			13447	VV	
	10.778			18510	VV	
	10.952			24591	VV	
	11.037			22575	VV	
PCB016;2	11.330	0.42	65.85	73267	VV	1
	11.625			24580	VE	
PCB016;3	11.878	0.04	10.19	4593	EV	1
	12.110			17361	VV	
PCB016;4	12.475	1.34		847303	VE	1
	12.627			69250	EV	
	12.999			27939	EV	
	13.093			29515	VV	
PCB015;5	13.596	0.44		107888	VV	1
	14.016			59439	VV	
	14.342			42319	VV	
	14.568			119821	VV	
	14.763			114820	VV	
	14.933			229305	VV	
PCB260;1	15.058	1.03		336522	VV	2
PCB260;2	15.346	0.16		311910	VV	2
	15.560			268057	VV	
	15.730			111588	VV	
	15.989			57971	VV	
	16.238			143268	VV	
PCB254;1	16.573	0.07		188916	VV	3
PCB254;2	16.805	0.06		273690	VV	3
PCB260;3	17.245	-2.65		966212	VV	2
PCB254;3	17.675	-0.12		372734	VV	3
PCB260;5	17.860	0.22		152956	VV	2
	18.003			100032	VV	
PCB254;4	18.241	-0.39		247024	VV	3
	18.832			52758	VV	
	18.957			84721	VV	
PCB254;5	19.209	0.34		197178	VV	3
	19.365			156561	VV	
	19.604			137687	VV	
	19.798			358524	VV	
	20.268			67486	VE	
	20.658			5230	EB	
	21.351			128852	BV	
	21.521			119298	VV	
	21.819			123428	VV	
DBUCLE	21.991	1.26	14.34	45818	VE	
	22.310			1422	EB	
	22.724			2814	BV	
	23.214			21108	VV	
	23.470			64634	VE	
	23.865			6443	EV	
	24.204			2088	VV	
	24.449			4309	VV	
	25.036			6536	VV	
	25.237			12661	VE	
	25.630			1850	EB	
	26.260			822	BV	

26.488	4874	VV
26.706	3519	VV
27.008	2300	VV
27.573	48991	VV
27.848	25058	VV
28.147	65405	VB
28.661	60	BB
29.008	1037	BV
29.382	4483	VV
30.117	10583	VB

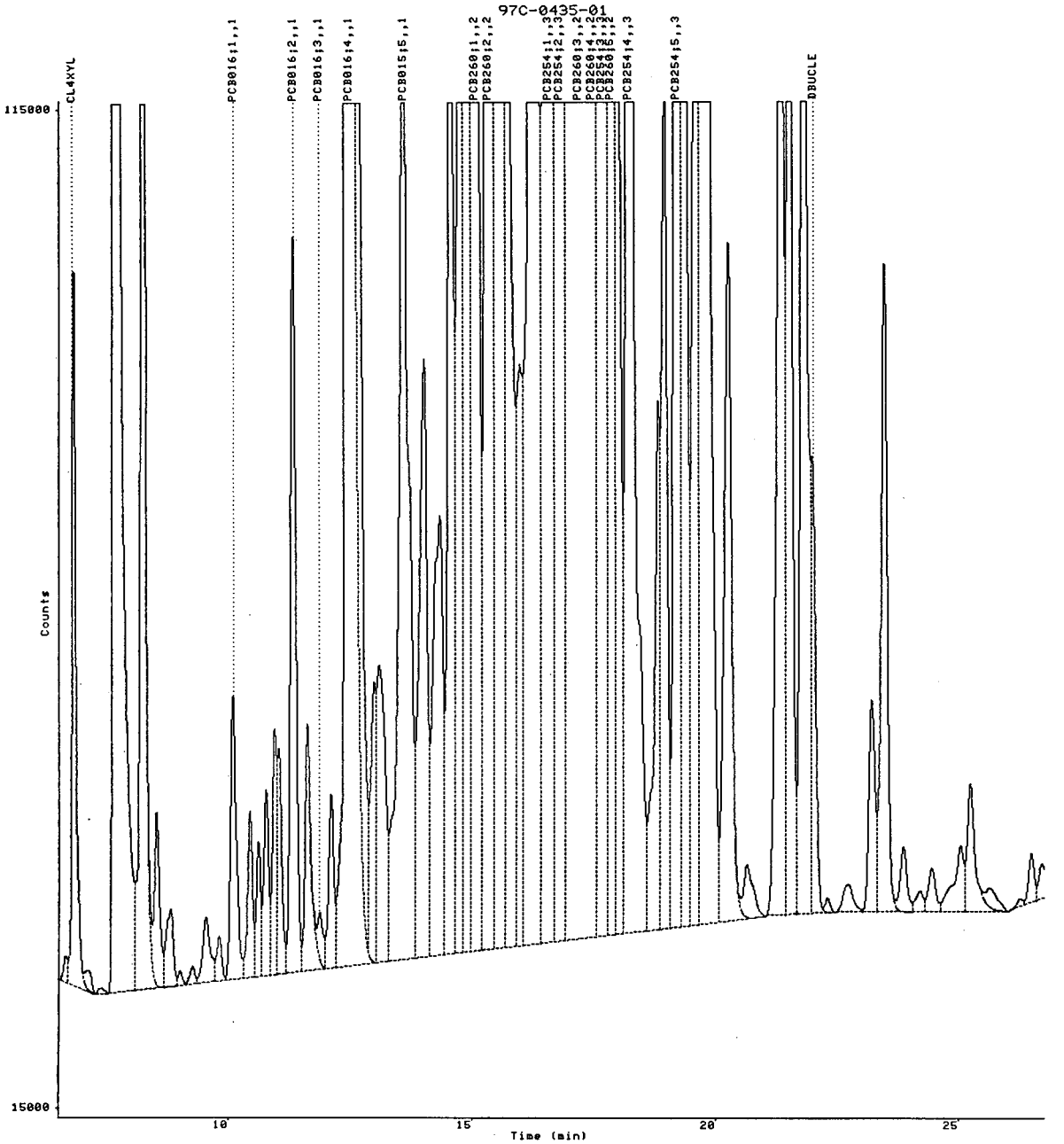
GROUP REPORT

Group	UG/ML
1	121.7

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326063.RAW;1
Report: 1197265486
Acquired: 23-NOV-1997 16:50:17
Time range: 6.50-26.75



97C05185

0444

Date.....15-DEC-1997 17:09:30.95 User: TAYLORC
Report number.....1197265487
Raw file.....DISK:[TAYLORC]5697326064.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....4

Acq. date.....23-NOV-1997 17:27:04
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05186
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....88
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref Std
11.88	PCB016;3	1	
22.01	DBUCLE		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref Std	BL	Group
	6.626			1594		BV	
CL4XYL	6.804	-1.94	15.79	69304		VE	
	7.217			1131		EB	
	7.382			205		BV	
	7.665			561465		VV	
	8.229			68480		VE	
	8.530			14792		EV	

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	8.718			14520	EV	
	8.827			24496	VB	
	9.178			825	BB	
	9.500			26854	BV	
	9.814			7772	VV	
PCB016;1	10.092	0.50	35.55	22439	VB	1
	10.450			30831	BV	
	10.617			28236	VV	
	10.762			34469	VV	
	10.962			18568	VV	
	11.044			24321	VV	
PCB016;2	11.330	0.42	115.3	117577	VE	1
	11.626			13899	EV	
	11.742			11186	EB	
	12.108			26232	BV	
PCB016;4	12.477	1.19		574129	VV	1
	12.645			222574	VE	
	12.974			22788	EV	
	13.140			29928	EB	
	13.373			939	BV	
PCB015;5	13.593	0.57		137923	VV	1
	13.725			58964	VV	
	13.991			70360	VV	
	14.336			65062	VV	
	14.566			186350	VV	
	14.765			193827	VV	
PCB260;1	15.061	0.82		508019	VV	2
PCB260;2	15.344	0.29		579545	VV	2
	15.569			410017	VE	
	15.759			66220	EV	
	15.984			8980	VB	
	16.236			136116	BV	
PCB254;1	16.570	0.23		231823	VV	3
PCB254;2	16.802	0.23		390765	VV	3
	17.039			248591	VV	
PCB260;3	17.232	-1.86		902865	VE	2
PCB260;4	17.462	0.90		161704	EV	2
PCB254;3	17.677	-0.21		787846	VV	3
PCB260;5	17.858	0.38		282302	VV	2
	18.004			159723	VV	
PCB254;4	18.243	-0.52		490913	VB	3
	18.831			68436	BV	
	18.960			181444	VV	
PCB254;5	19.209	0.37		466148	VV	3
	19.367			337636	VV	
	19.605			331711	VV	
	19.801			823036	VV	
	20.266			155002	VE	
	20.550			25507	EV	
	20.589			26926	EV	
	20.805			18926	EB	
	21.351			314209	BV	
	21.524			283537	VV	
	21.824			268471	VV	
	22.314			45519	VV	
	22.576			14832	VV	
	22.792			9772	VV	
	22.889			9746	VV	
	23.210			59401	VV	
	23.475			160474	VB	

23.851	16537	BB
24.062	400	BB
24.336	5594	BB
24.766	9553	BV
25.039	11056	VV
25.241	32684	VB
25.640	2328	BB
25.856	750	BB
26.203	1177	BV
26.491	18720	VV
26.826	6234	VV
27.155	5820	VV
27.380	5686	VV
27.580	55803	VV
27.863	26922	VV
28.145	26114	VE
28.662	1571	EV
28.919	1204	EB
29.398	1006	BV
30.094	5275	VB
30.659	754	BB

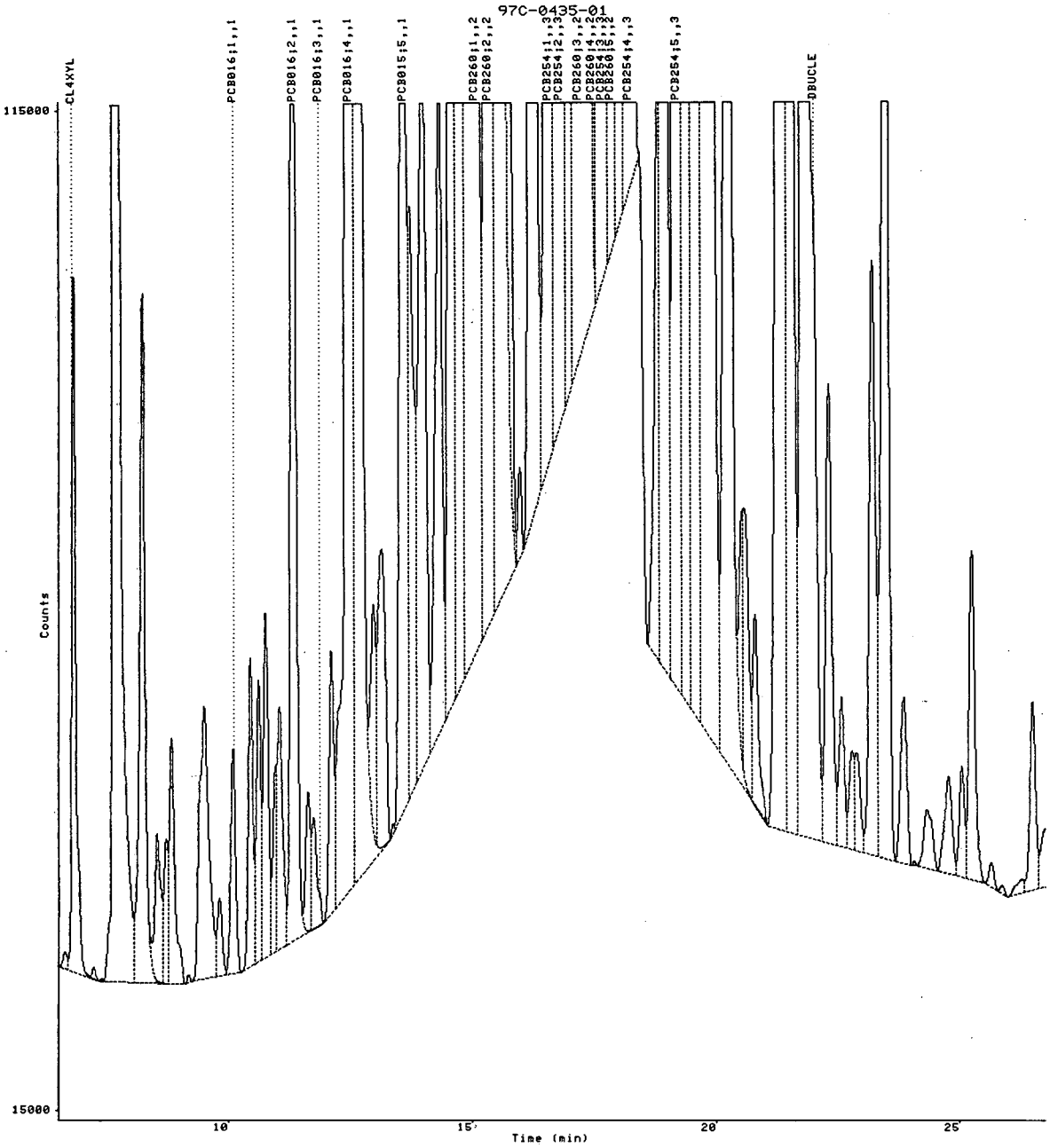
GROUP REPORT

Group	UG/ML
1	150.9

ANALYSIS NOTES

1: Response is outside of the response function domain. (149)
2: WARNING: Peak windows overlap. Check peak identification. (245)
3: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326064.RAW;1
Report: 1197265487
Acquired: 23-NOV-1997 17:27:04
Time range: 6.50-26.75



97C05186

0448

Date.....15-DEC-1997 17:09:45.33 User: TAYLORC
Report number.....1197265488
Raw file.....DISK:[TAYLORC]5697326065.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....4

Acq. date.....23-NOV-1997 18:03:49
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05187
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
  length.....30 M
  diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....57
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
10.10	PCB016;1	1		
11.88	PCB016;3	1		
17.48	PCB260;4	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
CL4XYL	6.808	-2.18	15.60	68522			BB	
	7.665			20686			BV	
	8.226			10262			VE	
	8.647			548			EB	
	8.861			311			BB	
	9.239			454			BB	

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	9.522			164	BV	
	9.661			142	VB	
	10.461			314	BB	
	10.680			165	BB	
	11.042			258	BB	
PCB016;2	11.348	-0.67	0.09015-	305	BB	1
PCB016;4	12.492	0.27	12.03	4066	BV	1
	12.637			2637	VB	
PCB015;5	13.592	0.65	0.3608 -	283	BB	1
	14.017			233	BB	
	14.581			1206	BV	
	14.778			797	VV	
PCB260;1	15.070	0.31	11.65	4457	VV	2
PCB260;2	15.348	0.06	15.26	6300	VV	2
	15.587			5396	VE	
	15.795			600	EB	
	16.241			414	BV	
PCB254;1	16.583	-0.52	1.674	1705	VV	3
PCB254;2	16.806	0.01	3.095	3113	VV	3
	17.044			3263	VV	
PCB260;3	17.247	-2.74		184910	VE	2
PCB254;3	17.688	-0.89	7.539	8990	EV	3
PCB260;5	17.855	0.53	5.455	5297	EV	2
PCB254;4	18.248	-0.86	11.64	7682	VB	3
	18.959			1088	BV	
PCB254;5	19.222	-0.41	4.249	2642	VV	3
	19.366			3010	VV	
	19.605			3513	VV	
	19.807			9503	VV	
	20.265			1318	VV	
	20.593			1799	VV	
	20.807			1140	VB	
	21.357			2888	BV	
	21.528			1730	VV	
DBUCLE	21.997	0.89	12.89	41349	VE	
	22.320			1824	EV	
	22.584			1298	EV	
	22.792			547	VB	
	23.216			193	BB	
	23.478			679	BB	
	24.339			563	BB	
	25.064			569	BB	
	25.752			442	BB	
	26.498			1453	BV	
	27.031			707	VB	
	27.570			48739	BE	
	27.980			2273	EB	
	28.921			770	BV	
	29.383			1715	VB	
	29.988			173	BB	
	30.383			233	BB	

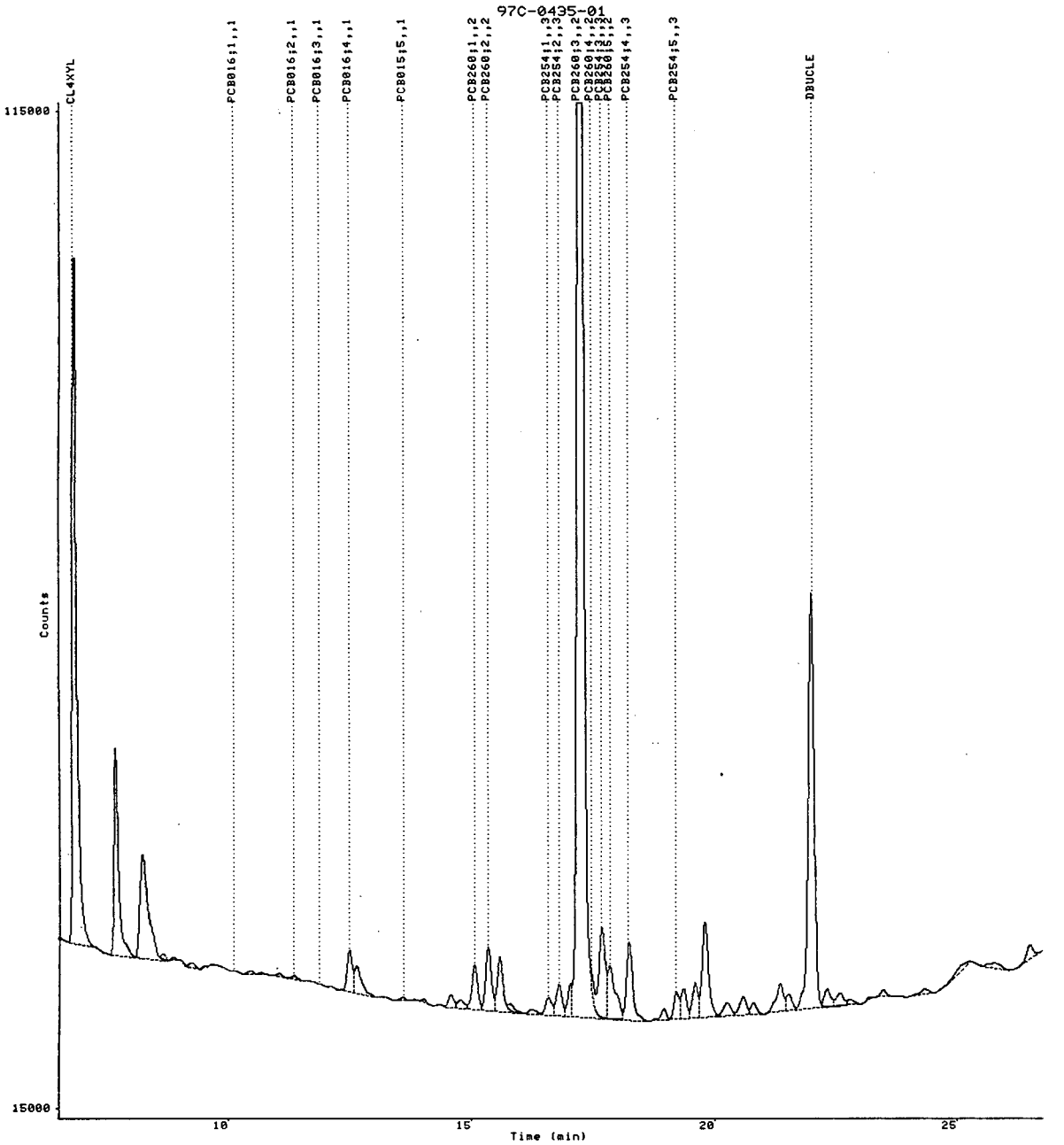
GROUP REPORT

Group	UG/ML
1	12.48
2	32.36
3	28.20

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326065.RAW;1
Report: 1197265488
Acquired: 23-NOV-1997 18:03:49
Time range: 6.50-26.75



97C05187

0452

Date.....15-DEC-1997 17:09:59.29 User: TAYLORC
Report number.....1197265489
Raw file.....DISK:[TAYLORC]5697326066.RAW;1
Method file.....DISK:[TAYLORC]5697326_8080P.MET;95
Last method update..15-DEC-1997 16:56:12.38

Device.....Channel 56A, Model 941 Serial Num: 1191513684
Reprocess number....4

Acq. date.....23-NOV-1997 18:40:15
Acq. run time.....31.00 min
Acq. sample rate....3.3333 pt(s)/sec

Sample name.....97C05188
Notes.....97C-0435-01

Author.....J. CHRIS TAYLOR
Instrument.....HP5890 EC-6
Column type.....FUSED SILICA CAPILLARY COLUMN
       length.....30 M
       diameter.....53 MM
Stationary phase....DB-608
Mobile phase.....HE
Detector.....ECD
Notes.....150C*2MIN;RAMP@5C/MIN T0 275C;HOLD 7MIN

Anal. run time.....31.000 min Delay time.....6.500 min
Area reject.....100 count(s) No. peaks found.....80
Noise threshold.....10.0 microvolts Area threshold.....120
Start peak width....6.00 sec(s) Area/Pk.Ht.....H
Min. window.....8.00 sec % window.....0.00

Analysis type.....EXTERNAL STANDARD A/D range.....1.0 volt(s)
Sample rack.....0
Sample vial.....165
Analysis fit.....Quadratic Origin treatment....Ignore
Report units.....UG/ML
Sample amount.....1.00000
Volume injected.....1.00000 Conversion factor...3.33333E+02

MISSING PEAKS LIST

R.T.(min)	Peak name	Group	Ref	Std
17.48	PCB260;4	2		

EXTERNAL STANDARD ANALYSIS

Calibration Sample name: (Multilevel)

Peak name	R.T.(min)	T.Diff	UG/ML	Peak Ht	Ref	Std	BL	Group
	6.637			1168			BV	
CL4XYL	6.805	-1.96	16.61	72761			VB	
	7.480			415			BB	
	7.665			732849			BV	
	8.234			223185			VE	
	8.525			16391			EV	
	8.820			7843			EV	
	9.002			1604			VB	

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	9.280				2780	BV	
	9.547				9660	VV	
	9.816				4014	VB	
PCB016;1	10.092	0.46	55.34		33391	BB	1
	10.451				19342	BV	
	10.614				15122	VV	
	10.781				19281	VV	
	10.954				36728	VV	
	11.032				29465	VB	
PCB016;2	11.336	0.05	71.82		79103	BB	1
	11.622				28474	BB	
PCB016;3	11.879	-0.01	5.049		2311	BB	1
	12.109				13934	BB	
PCB016;4	12.478	1.17			511488	BV	1
	12.636				145497	VE	
	12.993				21779	EV	
	13.093				22298	EB	
PCB015;5	13.593	0.59	269.6	+	78126	BB	1
	14.015				46127	BV	
	14.256				19284	VB	
	14.569				90038	BV	
	14.760				103483	VV	
	14.928				325447	VV	
PCB260;1	15.052	1.37			379817	VV	2
PCB260;2	15.346	0.17			253696	VV	2
	15.544				279021	VE	
	15.763				36407	EV	
	15.971				12149	VV	
	16.234				93924	VV	
PCB254;1	16.569	0.28			114217	VV	3
PCB254;2	16.800	0.34			173698	VV	3
PCB260;3	17.242	-2.49			950507	VV	2
PCB254;3	17.673	-0.02			242058	VV	3
PCB260;5	17.855	0.52	126.6		91187	VV	2
	18.007				55610	VV	
PCB254;4	18.231	0.20			164860	VB	3
	18.827				55634	BV	
	18.953				54562	VV	
PCB254;5	19.207	0.49			121551	VV	3
	19.366				103091	VV	
	19.601				89040	VV	
	19.796				227416	VV	
	20.267				41267	VE	
	20.646				2239	EB	
	20.956				93	BB	
	21.349				82197	BV	
	21.521				71228	VV	
	21.821				74692	VV	
DBUCLE	21.992	1.19	13.74		43963	VE	
	22.302				1254	EB	
	22.707				1998	BB	
	23.210				14287	BV	
	23.471				41474	VB	
	23.863				3302	BB	
	24.221				1472	BV	
	24.433				1480	VB	
	24.852				1098	BV	
	25.034				3651	VV	
	25.235				8533	VV	
	25.639				1805	VB	

26.268	1173	BV
26.484	3691	VV
26.699	4109	VE
26.975	59	EB
27.183	138	BB
27.571	49966	BE
27.841	5474	EV
28.152	16049	VB
28.713	52	BB
29.037	51	BB
29.341	912	BV
30.073	7129	VB

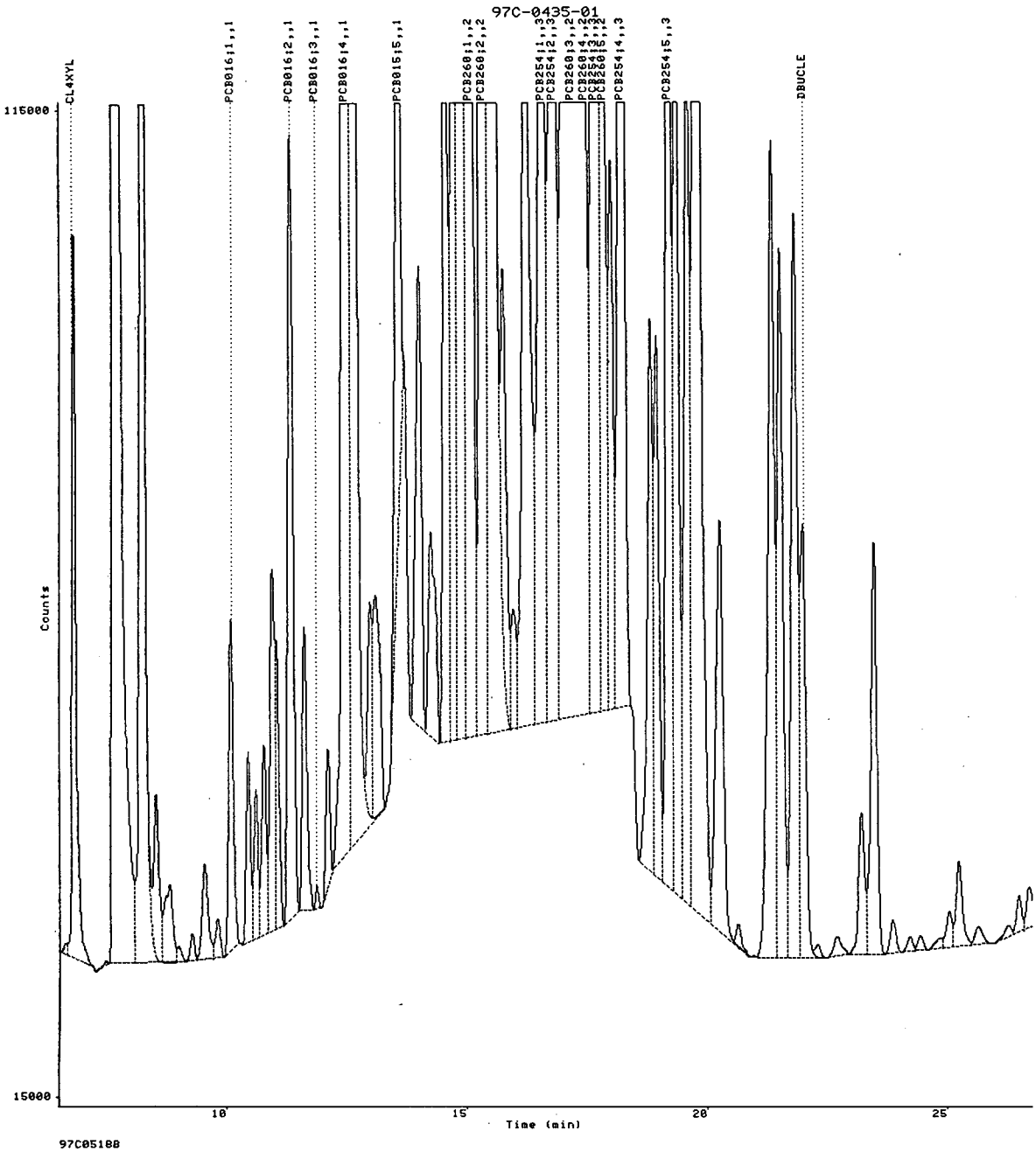
GROUP REPORT

Group	UG/ML
1	401.8
2	126.6

ANALYSIS NOTES

1: WARNING: Peak windows overlap. Check peak identification. (245)
2: WARNING: Peak result(s) extrapolated, "+" (above)/"-" (below). (594)

Data file: DISK:[TAYLORC]5697326066.RAW;1
Report: 1197265489
Acquired: 23-NOV-1997 18:40:15
Time range: 6.50-26.75



TU 12/16/97

WT 12/16/97

0456

Section 5.
Environmental Organic Analysis
(Rev. 1: 3/95)

Confirmation Column Data
Inventory Checklist

NA The confirmation column data as specified in Section 1 of the green sheets.

Section 5.
Confirmation Column Data
Reviewer Checklist

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.

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
12049714404534

Date _____
Laboratory Group Name 97C-0435-03
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) %								
KKKNS3	97C05169	SOIL	66.8								
KKKNS3	97C05169MD	SOIL	66.5								
KKKNS2	97C05170	SOIL	62.2								
KKKSS2	97C05171	SOIL	75.8								
KKKSED(D)	97C05172	SOIL	71.5								
KKKSD1	97C05173	SOIL	61.0								
KKKND2	97C05174	SOIL	79.2								
EEEND2	97C05175	SOIL	88.0								
EEENS1	97C05176	SOIL	73.2								
EEENS2	97C05177	SOIL	66.0								
EEESD1	97C05178	SOIL	92.2								
EEESS2	97C05179	SOIL	79.8								
EEESD2	97C05180	SOIL	90.3								

† 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

0459
~~0464~~
BH 4/5/98

DATA CHEM LABORATORIES
A Sorenson Company

ANALYTICAL REPORT

Form ARF-BL
Page 2 of 2
Part 1 of 1
12049714404534

Date _____
Laboratory Group Name 97C-0435-03

Analytical Results

Field Sample Number	Laboratory Number	Sample Type	Solids (Total) %							
EEESS1	97C05181	SOIL	71.0							
EEESED(S)	97C05182	SOIL	77.6							
EEENS3	97C05183	SOIL	76.2							
EEEND1	97C05184	SOIL	75.6							
CCCSED(S)	97C05185	SOIL	80.2							
CCCNS1	97C05186	SOIL	66.0							
CCCND1	97C05187	SOIL	89.9							
CCCSED(D)	97C05188	SOIL	81.5							
CCCSED(D)	97C05188MD	SOIL	80.2							
Limit of Detection										

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

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

27 Y5/98
~~0465~~
0460

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: G97BB03D

Group ID: G97BB03D

Samples: 22

Pos	Laboratory Sample Name	Field Sample Name 1	Field Sample Name 2	Laboratory Sample ID	Laboratory Group Name	Accnt. Number
1	97C05169	KKKNS3		S97B70F7	97C-0435-03	03008
2	97C05169MD	KKKNS3		S97BB0LJ	97C-0435-03	03008
3	97C05170	KKKNS2		S97B70F8	97C-0435-03	03008
4	97C05171	KKKSS2		S97B70F9	97C-0435-03	03008
5	97C05172	KKKSED(D)		S97B70FB	97C-0435-03	03008
6	97C05173	KKKSD1		S97B70FC	97C-0435-03	03008
7	97C05174	KKKND2		S97B70FD	97C-0435-03	03008
8	97C05175	EEEND2		S97B70FF	97C-0435-03	03008
9	97C05176	EEENS1		S97B70FG	97C-0435-03	03008
10	97C05177	EEENS2		S97B70FH	97C-0435-03	03008
11	97C05178	EEESD1		S97B70FJ	97C-0435-03	03008
12	97C05179	EEESS2		S97B70FK	97C-0435-03	03008
13	97C05180	EEESD2		S97B70FL	97C-0435-03	03008
14	97C05181	EEESS1		S97B70FM	97C-0435-03	03008
15	97C05182	EEESED(S)		S97B70FN	97C-0435-03	03008
16	97C05183	EEENS3		S97B70FP	97C-0435-03	03008
17	97C05184	EEEND1		S97B70FQ	97C-0435-03	03008
18	97C05185	CCCSED(S)		S97B70FR	97C-0435-03	03008
19	97C05186	CCCNS1		S97B70FS	97C-0435-03	03008
20	97C05187	CCCND1		S97B70FT	97C-0435-03	03008
21	97C05188	CCCSED(D)		S97B70FV	97C-0435-03	03008
22	97C05188MD	CCCSED(D)		S97BB0LK	97C-0435-03	03008

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

0461
~~0459~~
RM 4/5/98

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-0435 * | **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	KKKNS3	97C05169			SOIL						X	X	X							1
6-Nov-1997	KKKNS2	97C05170			SOIL						X	X	X							1
6-Nov-1997	KKKSS2	97C05171			SOIL						X	X	X							1
6-Nov-1997	KKKSED(D)	97C05172			SOIL						X	X	X							1
6-Nov-1997	KKKSD1	97C05173			SOIL						X	X	X							1
6-Nov-1997	KKKND2	97C05174			SOIL						X	X	X							1
6-Nov-1997	EEEND2	97C05175			SOIL						X	X	X							1
6-Nov-1997	EEENS1	97C05176			SOIL						X	X	X							1
6-Nov-1997	EEENS1	97C05176MS		MS	SOIL						X									1
6-Nov-1997	EEENS1	97C05176MSD		MSD	SOIL						X									1

ORIGINAL FIELD SAMPLE CHAIN-OF-CUSTODY

Relinquished By: (Signature)	Date/Time	Received By: (Signature)	Reason for Transfer/ Storage Location
Michael [illegible]	11-10-97 1230	R231 [illegible]	Walk-in/ Room/ Shelf/ Fridge Labeling/Shelving CNT
Kevin Nottemeyer	11-13-97 0015	Kevin Nottemeyer	Walk-in/ Room/ Shelf/ Fridge Storage: EXT
Kevin Nottemeyer	11/19/97 21:00	SAMPLE PREP GROUP RM 20 BK # 3319 IN. mem	% solids

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

Check box if there is a continuation page ☐

Printed 11/8/1997 14:29

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-0435 * | **Reporting Group**

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

Comments:

Verified: RL 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	EEENS2	97C05177			SOIL						X	X	X							1
6-Nov-1997	EEESD1	97C05178			SOIL						X	X	X							1
6-Nov-1997	EEESS2	97C05179			SOIL						X	X	X							1
6-Nov-1997	EEESD2	97C05180			SOIL						X	X	X							1
6-Nov-1997	EEESS1	97C05181			SOIL						X	X	X							1
6-Nov-1997	EEESED(S)	97C05182			SOIL						X	X	X							1
6-Nov-1997	EEENS3	97C05183			SOIL						X	X	X							1
6-Nov-1997	EEEND1	97C05184			SOIL						X	X	X							1
6-Nov-1997	CCCSED(S)	97C05185			SOIL						X	X	X							1
6-Nov-1997	CCCNS1	97C05186			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	11-10-97 1230	R23-1	Labeling/Shelving CN 1
R-23.1	11/13/97 0013	Walk-in/ Room/ Shelf/ Fridge Kevin Nottingham	Storage: Ex 7
Kevin Nottingham	11/19/97 21:00	Ex# 3319 mem	% solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % solids | Lab Notebook No.: 3319

Prepared/Analyzed by: 3319 mem | 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 ☐

Printed 11/8/1997 14:29

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-0435 * | **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	CCCND1	97C05187			SOIL							X	X	X							1
6-Nov-1997	CCCSED(D)	97C05188			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 Mahad Mohamed	11-10-97 1230	R23-1	Labeling/Shelving CRI
R-23-1	11-13-97 0015	Walk-in/ Room/ Shelf/ Fridge Kevin Nottingham	Storage: EXT
Kevin Nottingham	11/19/97 21:00	3319 MEM	% Solids

SAMPLE PREPARATION / ANALYSIS CHAIN-OF-CUSTODY

Sample Prep/Analysis for: % Solids SAMPLE PREP GROUP RM 20 — Lab Notebook No.: 3319

Prepared/Analyzed by: BK # 3319 IN. MEM — 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 14:29

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.

Analyst 3008 QC 12/4/97 METHOD XX-CP-800, rev 1 Balance ID: 052665

Set ID #	LIMS User Name	DCL Sample ID	EPA field id # 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	ZZZNG1	40	1.2899	9.6486	8.2314	8.3587	6.9415	83.1	16.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-01	MANNINGM	97C05229MD	ZZZNG1	41	1.2945	10.7141	8.8907	9.4216	7.5962	81.7	18.3	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05230	ZZZSS1	42	1.2944	9.6113	6.6189	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	1.2940	9.3468	8.3284	8.052	7.0335	87.4	12.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05232	ZZZSO1	51	1.2904	9.6141	4.5636	8.3237	3.2732	39.3	60.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05233	BBBSD2	9	1.296	9.175	6.6400	7.877	5.3440	67.9	32.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05234	BBBSED(S)	10	1.3061	10.6466	8.2376	9.3427	6.9315	74.2	25.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05235	BBBNG1	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-0438-03	MANNINGM	97C05236	BBBSS2	25	1.2909	9.4201	6.6357	8.1292	5.3448	68.2	31.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05237	BBBNG2	26	1.2951	10.5653	7.0305	9.2702	5.7354	61.9	38.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05238	BBBSED(D)	27	1.292	9.3426	8.1506	8.0506	6.8586	85.2	14.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05239	BBBUC2	28	1.3026	9.3954	7.4488	8.0928	6.1462	75.9	24.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05240	BBBND1	3	1.3026	8.4914	6.9985	7.1888	5.6959	79.2	20.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05241	BBBSS1	4	1.2949	9.7185	6.7962	8.4236	5.5013	65.3	34.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05242	BBBSD1	5	1.2945	9.47	4.7184	8.1755	3.4239	41.9	58.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0438-03	MANNINGM	97C05243	AAAASS1	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	AAAANG2	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	5.7052	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	9.3889	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	9.3206	4.8472	8.0293	3.5559	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	97C05248MD	AAAANS3	156	1.2978	9.2241	6.7236	7.9263	5.426	68.5	31.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0435-03	MANNINGM	97C05165	NNNG3	39	1.2694	9.2746	6.6210	8.0052	5.3516	66.8	33.2	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05169MD	NNNG3	143	1.3038	9.8224	6.9699	8.5186	5.6661	66.5	33.5	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05170	NNNG2	96	1.2962	8.9593	6.0619	7.6641	4.7657	62.2	37.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05171	NNNSS2	99	1.2974	9.9713	7.8681	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	8.3937	5.9997	71.5	28.5	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05173	NNNSO1	193	1.2981	8.6245	5.7704	7.3264	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	6.4168	79.2	20.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05175	EEENG2	113	1.2925	10.3161	9.2324	9.0236	7.9399	88.0	12.0	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05176	EEENG1	110	1.2923	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	EEEND2	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	EEESO1	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	7.7467	8.0857	6.4554	79.8	20.2	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05180	EEESD2	38	1.2974	10.8647	9.9363	9.5673	8.6389	90.3	9.7	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05181	EEESS1	184	1.3127	9.6569	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)	186	1.3094	10.4255	8.3835	9.1161	7.0741	77.6	22.4	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05183	EEENG3	151	1.3131	8.7796	7.0189	7.4665	5.7058	76.2	23.8	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05184	EEEND1	161	1.2956	9.3624	7.3529	8.0666	6.0571	75.6	24.4	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05185	CCCSED(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	CCCNG1	163	1.2912	8.5379	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	CCCND1	164	1.2944	10.1872	9.2856	8.8928	7.9914	89.9	10.1	1997-11-20	1245	104.2	1997-11-21	1035	102
97C-0435-03	MANNINGM	97C05188	CCCSED(D)	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	CCCSED(D)	152	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	CCCSS1	116	1.3135	9.2816	5.8247	7.9677	4.5104	56.6	43.4	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05189MD	CCCSS1	145	1.308	9.0107	5.8518	7.7027	4.5438	59.0	41.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05190	CCCSS3	114	1.3066	8.8381	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	CCCSS2	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	CCCNG2	146	1.3272	8.5902	7.6350	7.2636	6.3078	86.8	13.2	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05193	CCCND2	147	1.3163	10.0525	9.3464	8.7342	8.0301	91.9	8.1	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05194	DDDSED(S)	171	1.3062	9.6259	7.9085	8.3177	6.6002	79.4	20.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05195	DDDSS2	148	1.3011	10.2313	8.5672	8.9302	7.2661	81.3	18.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05196	DDDSS1	150	1.3074	10.6152	8.5919	9.3078	7.2845	78.3	21.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05197	DDDNG2	149	1.3134	9.8961	8.9497	8.5827	7.6363	89.0	11.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05198	DDDND2	85	1.3	8.9766	6.6785	7.6766	5.3785	70.1	29.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05199	DDDSED(D)	180	1.3161	9.8956	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	DDDNG1	89	1.2983	9.2976	5.3190	8.0049	4.0207	50.3	49.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05201	DDDSO2	90	1.2965	10.4757	8.6092	9.1796	7.3123	79.7	20.3	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05202	DDDSD1	172	1.3054	9.2604	6.4554	7.956	5.152	65.1	34.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05203	XXXNG2	84	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	XXXND2	75	1.2921	9.7250	7.7003	8.4332	6.4167	76.0	24.0	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05205	XXXNG1	80	1.3064	9.6434	8.2349	8.337	6.9285	83.1	16.9	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05206	XXXND1	87	1.2969	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	XXXSED(S)	125	1.2915	8.9257	6.8212	7.6342	5.5297	72.4	27.6	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05208	XXXSS1	127	1.3172	9.5673	6.3408	8.2501	5.0236	60.7	39.3	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0436-03	MANNINGM	97C05208MD	XXXSS1	128	1.2964	9.0642	5.9356	7.7688	4.7002	60.3	39.7	1997-11-20	1335	104.2	1997-11-21	1035	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	195	1.3190	8.8949	6.0240	7.5602	4.7045	62.1	37.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	165	1.2942	9.0196	6.2273	7.7196	4.9315	63.9	36.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	139	1.2597	10.4350	7.9260	9.1307	6.5904	72.5	27.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	97C05151	[illegible]	37	1.2943	8.6563	5.5350	7.3914	4.2421	57.4	42.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	45	1.2956	9.0022	4.5704	7.7136	3.2818	42.5	57.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	44	1.2967	10.0646	7.9075	8.7959	6.6131	75.3	24.7	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	196	1.323	10.1549	8.3944	8.8319	7.0714	80.1	19.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	194	1.3303	9.5671	6.3416	8.2366	5.0053	60.9	39.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	166	1.3113	9.025	5.8438	7.7137	4.5325	58.8	41.2	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	163	1.2939	9.3690	7.8404	8.0763	6.5490	81.5	18.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	170	1.2916	9.0644	7.6778	7.7608	6.3740	82.1	17.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	72	1.2111	8.619	6.8460	7.3079	5.5669	76.5	23.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	71	1.2541	9.1240	6.0977	7.8301	4.7736	61.0	39.0	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	77	1.3097	8.9743	6.2844	7.6676	4.9077	64.5	35.1	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	73	[illegible]	9.4074	6.8137	[illegible]	[illegible]	64.0	[illegible]	[illegible]	[illegible]	100.7	[illegible]	[illegible]	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	[illegible]	[illegible]	8.2340	5.3903	6.9109	4.0965	58.4	41.6	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	97C05154	HHHND1	65	1.2851	9.2350	6.7048	7.9466	5.4207	68.2	31.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	66	1.3014	9.7344	8.4542	8.433	7.1528	84.2	15.8	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	67	1.3016	8.6603	6.2021	7.3587	4.9005	66.6	33.4	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	68	1.3139	10.3474	7.1356	9.0335	5.8217	64.5	35.5	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	69	1.3047	10.5031	8.2999	9.1984	6.9952	75.1	24.9	1997-11-20	1535	100.7	1997-11-21	1400	102
97C-0434-03	MANNINGM	[illegible]	[illegible]	62	1.2953	10.6722	8.4752	9.3839	7.1869	76.6	23.4	1997-11-20	1535	100.7	1997-11-21	1400	102

QC 12/4/97

To Page No. X

Witnessed & Understood by me: [signature] Date 12/5/97

Invented by NOT APPLICABLE

Recorded by [signature] Date 12/4/97

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE TRACKING NUMBER 4811729414

4811729414

Date 11/6

RECIPIENT'S COPY

1 From (Your Name) Please Print: M. HAHNKOPF

Your Phone Number (Very Important): 808-[illegible]

Company: ROY F. WESTON INC.

Department/Floor No.

Street Address: 1090 KING GEORGES POST RD #201

City: EDISON State: NJ ZIP Required: [illegible]

2 To (Recipient's Name) Please Print: Scott Saulls

Recipient's Phone Number (Very Important): (801) 266-77[illegible]

Company: Data CHEM LAB

Department/Floor No.

Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 960 WEST LEVOY Dr.

City: Salt Lak City State: UT ZIP Required: 84123

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on Invoice.): 001054 11098 121 002 2137 00

H IF HOLD FOR PICK-UP, Print FEDEX Address Here
Street Address
City State ZIP Required

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

4 SERVICES (Check only one box)

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

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
51 [ ] YOUR PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

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

Government Overnight (Restricted for authorized users only)
46 [ ] 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
1	275	

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/[illegible] 5 [ ] 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 Us
Base Charges
Declared Value Charg
Other 1
Other 2
Total Charges

REVISION DATE 2/92
PART #137204 NCREC
FORMAT #126
126
© 1991-92 FEDEX
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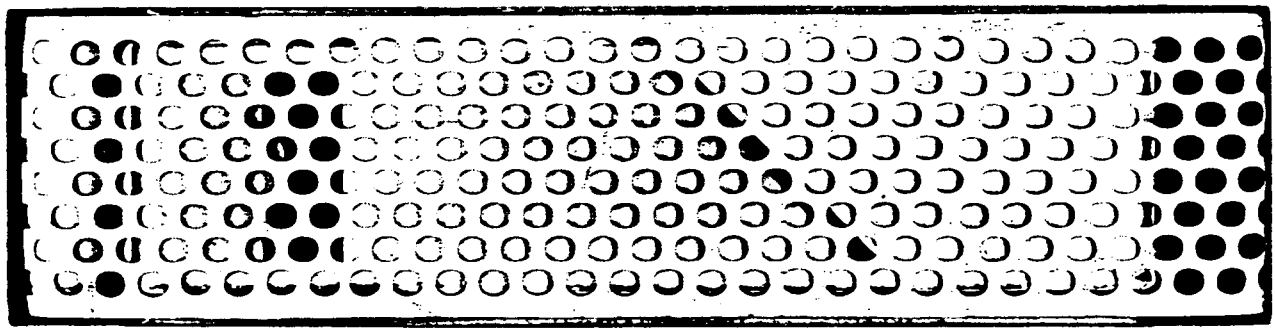

0466

SAMPLE LOG-IN SHEET

Group Name: 97C-0435

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:	Sample Delivery Group No.: CCCND1 — SAS Number: Not Applicable

Remarks:

1. Custody Seal (s) — Present/Absent*; Intact/Broken*
2. Custody Seal Nos. — NA
3. Chain-of Custody Records — Present/Absent*
4. Traffic Report or Packing Lists — Present/Absent*
5. Airbill — Airbill/Sticker Present/Absent*
6. Airbill No. — 4811 729 414
7. Sample Tags — Present/Absent*; Sample Tag Numbers — Listed/Not Listed on Chain-of-Custody
8. Sample Condition — Intact/Broken*/Leaking*; Cooler Temperature — 3°C
9. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
10. Date Received at Lab — 11-7-97
11. Time Received — 0930

EPA Sample #	Corresponding Sample Tag #	Corresponding Assigned Lab #	Matrix	Fraction	Remarks: Condition of Sample Shipment, etc.
KKKNS3	NA	97C05169	S	PCB	ACCEPTABLE
NS2		70			
SS2		71			
SED(D)		72			
SD1		73			
ND2		74			
EEE ND2		75			
NS1		76			MS/MSD
NS2		77			
SD1		78			
SS2		79			
SD2		80			
SS1		81			
SED(S)		82			
NS3		83			
ND1		84			
CCC SED(S)		85			
NS1		86			
ND1		87			
SED(D)		88			

Sample Transfer

Fraction: PCB	Fraction:
Area #: R23-1	Area #:
By: [signature]	By: [signature] 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

Tamper Evident: Yes/No/NA

Are all temperatures within project specific guidelines? 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 Caplum 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)