0047478

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY
1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

June 25, 1997

Ms. Ellen Mattlin
U.S. Department of Energy
P.O. Box 550, MSIN: A5-15
Richland, WA 99352

Mr. Douglas Chapin
U.S. Department of Energy
P.O. Box 550, MSIN: R3-79
Richland, WA 99352

JUL 1997
RECEIVED
EDMC

Dear Ms. Mattlin and Mr. Chapin:

Re: 3718-F: Analytical Data for Polychlorinated Biphenyls (PCBs), Total Metals, and pH

As requested by Ms. Jeanne Wallace, Washington State Department of Ecology (Ecology) Project Manager for the Hanford Site 300 Area, I am transmitting the complete data package for the Polychlorinated Biphenyl (PCB) analysis obtained by Ecology for three soil samples from 3718-F. I have also included the supporting paperwork and the summary data from the Total Metals and pH analyses. The original data package will be archived in Ecology's Nuclear Waste Program library in the Kennewick Office.

These soil samples were taken on April 24, 1997, by the U.S. Department of Energy (USDOE) contractor personnel as verification samples for the closure of the Resource Conservation and Recovery Act (RCRA) treatment, storage, and disposal (TSD) unit. Because of previous occurrences of PCB contamination in the 300 Area, Ecology chose to include PCBs in the analytical request to our contract laboratory, Paragon Analytics. During the data quality objectives meetings, and on the day of the sampling, Ecology informed USDOE and its contractors that the analysis for PCBs would be performed on the samples provided to Ecology.

Note that Aroclor 1254 was quantified in all three samples: (1) Process Sewer Drain - 330 ug/Kg; (2) Bottom of the Separator Drain Sump - 15 mg/Kg (or 15,000 ug/Kg); and

(3) Offset (East) from Mid-point of Concrete Pad - 57 ug/Kg. These locations are further described in the Sampling and Analysis Plan for the RCRA closure of the TSD unit.

If you have any questions, please contact me at (509) 736-5707 or Ms. Wallace at (509) 736-3019.

Sincerely,

Joan K. Bartz

Joan K. Bartz
Nuclear Waste Program

JKB:rb
Enclosure

cc w/enclosure: Dan Duncan, EPA
Dave Einan, EPA
Stephanie Johansen, GSSC
Administrative Record: 3718-F and 300-FF-2

Paragon Analytics, Inc.

TOTAL METALS CASE NARRATIVE

Washington State Dept. of Ecology

RCRA Closure -- 3718-F

Order Number - 9704203

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Appendix A: Digestion Bench Sheets

Section 1: Case Narrative

1.1 This report consists of 3 soil samples.

Due to limitation of the reporting software:

a) The client's project name was truncated on the report pages. The full project name is RCRA Closure -- 3718-F.

b) All analyte results with concentrations less than the practical quantitation limit (PQL) are reported as the (PQL), corrected for any dilutions and percent moistures, with a "U" qualifier.

c) Only one significant figure is shown for the laboratory control sample (LCS) results for mercury in soil. The true value is 0.833 mg/kg with a range of 0.667 - 1.00 mg/kg. The found result is 0.852 mg/kg.

d) For mercury, the ICB is also used as the preparation blank, therefore the run chronology will show the same time for both.

1.2 The samples were received intact on 04/25/97. The temperature of the samples upon receipt was 7° Celsius.

1.3 The client had not designated a sample for quality control. The lab designated a sample from another Order Number as the quality control sample for this Order Number.

1.4 The samples were prepared for analysis based on SW-846, 3rd Edition procedures.

For analysis by Trace and conventional ICP, the samples were digested following method 3050A.

For analysis by Cold Vapor AA (CVAA), the samples were digested following method 7471.

1.5 The samples were analyzed following SW846 protocols by Trace and conventional ICP (Method 6010A) and CVAA (Method 7471).

1.6 All standards and solutions are NIST traceable and were used within their recommended shelf life.

1.7 The samples were prepared and analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

1.8 General quality control procedures.

- A preparation (method) blank and laboratory control sample were digested and analyzed with the samples in each digestion batch. There were not more than 20 samples in each digestion batch.
- The preparation (method) blank results associated with each batch were below the practical quantitation limits for the requested analytes except iron. The iron value in the prepartion blank was slightly above the PQL (107 ug/L vs. 100 ug/L). All samples associated with this blank were at least a factor of 10 above the blank so no further action was warranted.
- The laboratory control sample associated with each batch was within acceptance limits. This indicates complete digestion according to the method.
- All initial and continuing calibration blanks associated with each batch were below the practical quantitation limits for the requested analytes.
- All initial and continuing calibration verifications associated with each batch were within acceptance criteria for the requested analytes. This indicates a valid calibration and stable instrument conditions.
- The interference check samples, and high standard readbacks associated with Method 6010A analyses were within acceptance criteria.

1.9 Matrix specific quality control procedures.

- A matrix spike and matrix spike duplicate were digested and analyzed with this batch. All acceptance criteria for accuracy were met with the following exceptions.

Analyte	Sample ID
Aluminum	9704221-1S & DS

Antimony	9704221-1S & DS
Cadmium	9704221-1S & DS
Chromium	9704221-1S & DS
Copper	9704221-1S & DS
Iron	9704221-1S & DS
Lead	9704221-1S & DS
Manganese	9704221-1S & DS
Zinc	9704221-1S & DS

The affected sample results are flagged for antimony and chromium, and an analytical post spike was performed. Post spike results were acceptable for antimony and chromium indicating that the matrix was not significantly affecting quantitation of these analytes.

The concentration of aluminum, cadmium, copper, iron, lead, manganese and zinc in the native sample was greater than 4 times the concentration of matrix spike added during the digestion. When sample concentration is that much greater than the spike added, spike recoveries may not be accurate. The Laboratory Control Sample indicates that the digestion and analysis were in control.

- A sample duplicate and spike duplicate were digested and analyzed with this batch. All acceptance criteria for precision were met with the following exception.

Analyte	Sample ID
Lead	9704221-1DS

Where spike duplicate precision was outside control limits only the duplicate page shows the flag.

- A serial dilution was analyzed with this batch. All acceptance criteria were met. with the following exception.

Analyte	Sample ID
Potassium	9704221-1L

Associated sample results for these analytes have been flagged in the report.

1.10. Some samples required dilutions. Please refer to the run log for specific dilutions and samples.

The data contained in the following report have been reviewed and approved by the personnel listed below:

Darryl Patrick — 5/21/97

Darryl Patrick
Senior Inorganic Chemist

Date

SW — 5/21/97

Reviewer's Initials

Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Paragon Analytics, Inc.

SAMPLE NUMBER(S) CROSS-REFERENCE TABLE

Client Name: Washington State Dept. of Ecology

Client Project ID: RCRA Closure 3718-F

PAI-ID	Client ID	MATRIX	DATE SAMPLED
9704203-1	1	Soil	04/24/97
9704203-2	2	Soil	04/24/97
9704203-3	3	Soil	04/24/97

SECTION 2: Chain of Custody

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PARAGON ANALYTICS, INC.
225 Commerce Drive • Ft. Collins, CO 80524
(800)443-1511
(970)490-1511
FAX(970)490-1522

CHAIN OF CUSTODY

DATE: _____ Page 1 of 1

ACCESSION NUMBER 9704.203

PROJECT MANAGER: JOAN K. BARTZ
COMPANY: WA DEPT OF ECOLOGY
ADDRESS: 1315 W. 4th AVE
KENNEWICK
WA 99336
SAMPLER: JOAN K. BARTZ/RUST
509/736-5707 PHONE NUMBER
509/736-3030 FAX NUMBER

ANALYSIS REQUESTED

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	*LAB ID	9070/9071 - Oil & Grease	418.1 - TRPH	8015 Mod. - Gasoline	8015 Mod. - Diesel	8015/8020 - Gasoline/BTEX	8020 - BTEX	8240 - GC/MS VOC's	8270 - GC/MS SVOC's	8080 - Pesticides/PCB's	8080 - PCB Only	8310 - PNA's	8150 - Herbicides	8140 - OP Pesticides	TOX - EOX - TX	Total Metals: TAL Mus Li	TCLP:	Gross Alpha	Gross Beta	Radium 226	Radium 228	Tritium	Strontium	% Moisture	pH			Number of Containers
1	4-24-97	0840	Soil	01										X					X									X		4oz	1
2	↓	0920	↓	02										X					X									X		↓	↓
3	↓	0940	↓	03										X					X									X		↓	↓

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: 1378 3718-F	TOTAL NO. OF CONTAINERS
PROJECT NAME: RCRA Closure	CHAIN OF CUSTODY SEALS Y/N
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA
TAT: ☐ STANDARD ☐ RUSH DUE	REC'D GOOD COND./COLD

SAMPLE DISPOSAL: ☐ HAZ WASTE $5.00 ☐ RAD CHEM $15.00 ☐ RETURN

Comments: See contract terms
Work discussed w/ Lance Steere.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Joan K. Bartz Time: 11:30A	Signature: Time:	Signature: Time:
Printed Name: JOAN K. BARTZ Date: 4/24/97	Printed Name: Date:	Printed Name: Date:
Company: WA DEPT ECOLOGY	Company: UPS	Company:
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: Time:	Signature: Time: 1030	Signature: Time:
Printed Name: Date:	Printed Name: Date: 4/25/97	Printed Name: Date:
Company: UPS	Company: PAE	Company:

*DO NOT WRITE IN SHADED AREAS!

DISTRIBUTION: White, Canary - PARAGON ANALYTICS, INC. Pink - ORIGINATOR

Paragon Analytics, Inc. - Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT

CLIENT: WDOE SHIPPING CONTAINER #: Cooler

WORKORDER NO. 97-04-203 INITIALS: [illegible] DATE: 4/25/97

1.	Does this project require special handling according to NEESA, Level 3, or CLP protocols? If yes, complete a. and b. a. Cooler Temperature_____ b. Lot No's._____ c. Airbill Number		Yes	(No)
2.	Are custody seals on the cooler intact? If so, how many 2	N/A	(Yes)	No
3.	Are custody seals on sample containers intact?	(N/A)	(Yes)	No
4.	Is there a Chain of Custody (COC) or other representative documents, letters or shipping memos?	[illegible] 4/25/97	(Yes)	No
5.	Is the COC complete? Relinquished: Yes ✓ No Requested Analysis: Yes ✓ No	N/A	(Yes)	No
6.	Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No No. of Containers: Yes ✓ No		(Yes)	No
7.	Are the samples requiring acid preservation preserved correctly?	(N/A)	Yes	No
8.	Is there enough sample? If so, are they in the proper containers?		(Yes)	No
9.	Are all samples within holding times for the requested analyses?		(Yes)	No
10.	Were the sample received on ice?	N/A	(Yes)	No
11.	Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
12.	Are samples requiring no headspace, headspace free?	(N/A)	Yes	No
13.	Do the samples require quarantine?		Yes	(No)
14.	Do samples require Paragon disposal?		(Yes)	No
15.	Did the client return any unused bottles?		Yes	(No)

Describe "NO" items (except No's 1, 13, &14): (10) - ICE expired

Was the client contacted? Yes____ No X

If yes, Date:_____ Name of person contacted:_____

Describe actions taken or client instructions:_____

Group Leader's Signature:_____ Date:_____

Cooler Temperature: 7°

FRM 201FC6 (24/1/97)

SECTION 3: Inorganic Qualifiers

Inorganic Data Reporting Qualifiers

The following qualifiers are used by the laboratory when reporting results of inorganic analyses.

- C (Concentration) qualifier -- If the analyte was analyzed for but not detected a "U" is entered.

- Q qualifier -- Specified entries and their meanings are as follows:

  E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

  M - Duplicate injection precision was not met.

  N - Spiked sample recovery not within control limits. A post spike is analyzed for all 6010A analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than 4 times the spike added concentration.

  F - Relative percent difference between the matrix spike and matrix spike duplicate was not within control limits. Only the duplicate page is flagged.

  * - Duplicate analysis (relative percent difference) not within control limits.

- M (Method) qualifier --
  - "P" for ICP
  - "AV" for Automated Cold Vapor AA
  - " " where no data has been entered
  - "NR" if the analyte is not required to be analyzed

SECTION 4: Sample Results

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

1

Lab Name: PARAGON_ANALYTICS_____ Contract: _____

Lab Code: NA____ Case No.: _____ SAS No.: _____ SDG No.: 3718-F

Matrix (soil/water): SOIL_ Lab Sample ID: S9704203-1

Level (low/med): LOW__ Date Received: 04/25/97

% Solids: _92.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	4680			P
7440-36-0	Antimony_	2.2	U	N	P
7440-38-2	Arsenic__	1.6			P
7440-39-3	Barium___	56.6			P
7440-41-7	Beryllium	0.54	U		P
7440-43-9	Cadmium__	0.54	U		P
7440-70-2	Calcium__	4100			P
7440-47-3	Chromium_	9.9		N	P
7440-48-4	Cobalt___	7.2			P
7440-50-8	Copper___	9.0			P
7439-89-6	Iron_____	17900			P
7439-92-1	Lead_____	4.9			P
7439-93-2	Lithium__	10.6			P
7439-95-4	Magnesium	3300			P
7439-96-5	Manganese	263			P
7439-97-6	Mercury__	0.80			AV
7440-02-0	Nickel___	11.0			P
7440-09-7	Potassium	955		E	P
7782-49-2	Selenium_	0.86			P
7440-22-4	Silver___	1.1	U		P
7440-23-5	Sodium___	111			P
7440-28-0	Thallium_	2.2	U		P
7440-62-2	Vanadium_	37.4			P
7440-66-6	Zinc_____	39.3			P

Color Before: BROWN____ Clarity Before: N/A___ Texture: FINE__

Color After: BEIGE____ Clarity After: CLEAR_ Artifacts: _____

Comments:

FORM I - IN ILM03.0

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

2

Lab Name: PARAGON_ANALYTICS_____ Contract: _____

Lab Code: NA____ Case No.: _____ SAS No.: _____ SDG No.: 3718-F

Matrix (soil/water): SOIL_ Lab Sample ID: S9704203-2

Level (low/med): LOW__ Date Received: 04/25/97

% Solids: _87.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	6660			P
7440-36-0	Antimony_	2.3	U	N	P
7440-38-2	Arsenic__	2.6			P
7440-39-3	Barium___	52.5			P
7440-41-7	Beryllium	0.57	U		P
7440-43-9	Cadmium__	1.1	U		P
7440-70-2	Calcium__	3410			P
7440-47-3	Chromium_	155		N	P
7440-48-4	Cobalt___	7.8			P
7440-50-8	Copper___	41.5			P
7439-89-6	Iron_____	31800			P
7439-92-1	Lead_____	20.0			P
7439-93-2	Lithium__	31.7			P
7439-95-4	Magnesium	2660			P
7439-96-5	Manganese	359			P
7439-97-6	Mercury__	0.28			AV
7440-02-0	Nickel___	94.2			P
7440-09-7	Potassium	754		E	P
7782-49-2	Selenium_	1.3			P
7440-22-4	Silver___	1.1	U		P
7440-23-5	Sodium___	511			P
7440-28-0	Thallium_	2.3	U		P
7440-62-2	Vanadium_	34.3			P
7440-66-6	Zinc_____	83.8			P

Color Before: BROWN____ Clarity Before: N/A___ Texture: FINE__

Color After: BEIGE____ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

3

Lab Name: PARAGON_ANALYTICS_____ Contract: _____

Lab Code: NA____ Case No.: _____ SAS No.: _____ SDG No.: 3718-F

Matrix (soil/water): SOIL_ Lab Sample ID: S9704203-3

Level (low/med): LOW__ Date Received: 04/25/97

% Solids: _91.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_	5400			P
7440-36-0	Antimony_	2.2	U	N	P
7440-38-2	Arsenic__	1.4			P
7440-39-3	Barium___	68.5			P
7440-41-7	Beryllium	0.55	U		P
7440-43-9	Cadmium__	0.55	U		P
7440-70-2	Calcium__	2860			P
7440-47-3	Chromium_	9.7		N	P
7440-48-4	Cobalt___	8.0			P
7440-50-8	Copper___	9.1			P
7439-89-6	Iron_____	19900			P
7439-92-1	Lead_____	5.3			P
7439-93-2	Lithium__	31.5			P
7439-95-4	Magnesium	3250			P
7439-96-5	Manganese	275			P
7439-97-6	Mercury__	1.5			AV
7440-02-0	Nickel___	8.9			P
7440-09-7	Potassium	1080		E	P
7782-49-2	Selenium_	1.3			P
7440-22-4	Silver___	1.1	U		P
7440-23-5	Sodium___	126			P
7440-28-0	Thallium_	2.2	U		P
7440-62-2	Vanadium_	39.2			P
7440-66-6	Zinc_____	74.9			P

Color Before: BROWN____ Clarity Before: N/A___ Texture: FINE__

Color After: BEIGE____ Clarity After: CLEAR_ Artifacts: _____

Comments:

Paragon Analytics, Inc.

PCBs Case Narrative

Washington State Department of Ecology

RCRA Closure -- 3718-F

Order Number - 9704203

1. This report consists of 3 soil samples received by Paragon on 04/25/97. The samples were received at a temperature of 7°C.

2. These samples were extracted and analyzed according to SW-846, 3rd Edition procedures. Specifically, the soil samples were extracted using soxhlet procedures based on Method 3540. These extracts were then processed using sulfuric acid cleanup by Method 3665 in an attempt to remove potential interferences.

3. The extracts were then analyzed using GC/ECD (electron capture detectors) with a RTX-1701 capillary column according to protocols based on Method 8081. All positive results were then confirmed on a RTX-50 column. The quantitation of each analyte is the lower of the concentrations obtained from each column. This minimizes the chances of reporting elevated results based on interferences.

4. All samples were extracted and analyzed within the established holding times.

5. The method blank associated with this project was below the reporting limits for all analytes.

6. All blank spike and blank spike duplicate recoveries and RPDs were within the acceptance criteria.

7. Matrix spikes and Matrix Spike Duplicates could not be performed because of insufficient sample volume. A Blank Spike and Blank Spike Duplicate were performed instead. See Item 6 for details on recoveries.

8. All surrogate recoveries were within acceptance criteria. Surrogate recoveries were not reported for sample 9704203-2 due to sample dilution.

9. Samples 9704203-1 and 2 were analyzed at a higher dilution in order to get target analytes within the calibration range of the instrument. The detection limits have been adjusted accordingly.

10. All initial and continuing calibration criteria were within acceptance criteria.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Marty Brown GC Analyst	5-19-97 Date
RBB Reviewer's Initials	5-21-97 Date

Paragon Analytics, Inc.

SAMPLE NUMBER(S) CROSS-REFERENCE TABLE

Client Name: Washington State Dept. of Ecology

Client Project ID: RCRA Closure 3718-F

PAI-ID	Client ID	MATRIX	DATE SAMPLED
9704203-1	1	Soil	04/24/97
9704203-2	2	Soil	04/24/97
9704203-3	3	Soil	04/24/97

PARAGON ANALYTICS, INC.
225 Commerce Drive • Ft. Collins, CO 80524
(800)443-1511
(970)490-1511
FAX (970)490-1522

CHAIN OF CUSTODY

DATE 4.24.97 Page 1 of 1

ACCESSION NUMBER 9704.203

PROJECT MANAGER: JOAN K. BARTZ
COMPANY: WA DEPT OF ECOLOGY
ADDRESS: 1315 W. 4th AVE
KENNEWICK
WA 99336
SAMPLER: JOAN K. BARTZ/RUST
509/736-5707 PHONE NUMBER
509/736-3030 FAX NUMBER

ANALYSIS REQUESTED

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	*LAB ID	9070/9071 - Oil & Grease	418.1 - TRPH	8015 Mod. - Gasoline	8015 Mod. - Diesel	8015/8020 - Gasoline/BTEX	8020 - BTEX	8240 - GC/MS VOC's	8270 - GC/MS SVOC's	8080 - Pesticides/PCB's	8080 - PCB Only	8310 - PNA's	8150 - Herbicides	8140 - OP Pesticides	TOX - EOX - TX	Total Metals: TAL plus Li	TCLP:	Gross Alpha	Gross Beta	Radium 226	Radium 228	Tritium	Strontium	% Moisture	pH			Number of Containers
1	4-24-97	0840	Soil	01										X					X									X		4oz	1
2	↓	0920	↓	02										X					X									X		↓	↓
3	↓	0940	↓	03										X					X									X		↓	↓

PROJECT INFORMATION
PROJECT NUMBER: 1378 3718-F
PROJECT NAME: RCRA Closure
PURCHASE ORDER NUMBER:
TAT: ☐ STANDARD ☐ RUSH DUE
SAMPLE DISPOSAL: ☐ HAZ WASTE $5.00 ☐ RAD CHEM $15.00 ☐ RETURN

SAMPLE RECEIPT
TOTAL NO. OF CONTAINERS
CHAIN OF CUSTODY SEALS Y/N
SEALS INTACT? Y/N/NA
REC'D GOOD COND./COLD

Comments: See contract terms
Work discussed w/ Lance Steere.

RELINQUISHED BY: 1.
Signature: Joan Bartz Time: 11:30A
Printed Name: JOAN K. BARTZ Date: 4/24/97
Company: WA DEPT ECOLOGY

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company: UPS

RELINQUISHED BY: 3.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company: UPS

RECEIVED BY: 2.
Signature: Time: 1030
Printed Name: Date: 4/25/97
Company: PAE

RECEIVED BY: 3.
Signature: Time:
Printed Name: Date:
Company:

*DO NOT WRITE IN SHADED AREAS!

DISTRIBUTION: White, Canary - PARAGON ANALYTICS, INC. Pink - ORIGINATOR

400000

Paragon Analytics, Inc. - Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT

CLIENT: WDOE SHIPPING CONTAINER #: Cooler

WORKORDER NO. 97-04-203 INITIALS: [illegible] DATE: 4/25/97

1.	Does this project require special handling according to NEESA, Level 3, or CLP protocols? If yes, complete a. and b. a. Cooler Temperature_____ b. Lot No's._____ c. Airbill Number_____		Yes	(No)
2.	Are custody seals on the cooler intact? If so, how many 2	N/A	(Yes)	No
3.	Are custody seals on sample containers intact?	(N/A)	(Yes)	No
4.	Is there a Chain of Custody (COC) or other representative documents, letters or shipping memos?	[illegible] 4/25/97	(Yes)	No
5.	Is the COC complete? Relinquished: Yes ✓ No___ Requested Analysis: Yes ✓ No___	N/A	(Yes)	No
6.	Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No___ Sample ID's: Yes ✓ No___ Matrix: Yes ✓ No No. of Containers: Yes ✓ No___		(Yes)	No
7.	Are the samples requiring acid preservation preserved correctly?	(N/A)	Yes	No
8.	Is there enough sample? If so, are they in the proper containers?		(Yes)	No
9.	Are all samples within holding times for the requested analyses?		(Yes)	No
10.	Were the sample received on ice?	N/A	(Yes)	No
11.	Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
12.	Are samples requiring no headspace, headspace free?	(N/A)	Yes	No
13.	Do the samples require quarantine?		Yes	(No)
14.	Do samples require Paragon disposal?		(Yes)	No
15.	Did the client return any unused bottles?		Yes	(No)

Describe "NO" items (except No's 1, 13, &14): (10) - ICE Expired

Was the client contacted? Yes____ No X

If yes, Date:_____ Name of person contacted:_____

Describe actions taken or client instructions:_____

Group Leader's Signature:_____ Date:_____

Cooler Temperature: 7°

FRM 201FC6 (24/1/97)

Analytical Results

AROCLORS

Method 8081

Sample ID

Reagent Blank

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Lab Sample ID: SRB1 4/30/97

Sample Matrix: Sodium Sulfate
Cleanup: Sulfuric Acid
% Moisture: 0 %
Results based on wet weight

Date Collected: N/A
Date Extracted: 4/30/97
Date Analyzed: 5/05/97

Sample Weight: 30 g
Final Volume: 10 mL
Dilution Factor: 1

Analyte	Conc (ug/kg)	Reporting Limit (ug/kg)
Aroclor 1016	ND	33
Aroclor 1221	ND	67
Aroclor 1232	ND	33
Aroclor 1242	ND	33
Aroclor 1248	ND	33
Aroclor 1254	ND	33
Aroclor 1260	ND	33

SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2,4,5,6-Tetrachloro-m-xylene	108	43 - 124
Decachlorobiphenyl	111	29 - 165

ND = Not Detected at or above client requested reporting limit.

AROCLORS

Method 8081

Sample ID

1

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Lab Sample ID: 9704203-1

Sample Matrix: Soil
Cleanup: Sulfuric Acid
% Moisture: 7.32 %
Results based on dry weight

Date Collected: 4/24/97
Date Extracted: 4/30/97
Date Analyzed: 5/06/97

Sample Weight: 30 g
Final Volume: 10 mL
Dilution Factor: 4

Analyte	Conc (ug/kg)	Reporting Limit (ug/kg)
Aroclor 1016	ND	140
Aroclor 1221	ND	290
Aroclor 1232	ND	140
Aroclor 1242	ND	140
Aroclor 1248	ND	140
Aroclor 1254	330	140
Aroclor 1260	ND	140

SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2,4,5,6-Tetrachloro-m-xylene	106	43 - 124
Decachlorobiphenyl	104	29 - 165

ND = Not Detected at or above client requested reporting limit.

AROCLORS

Method 8081

Sample ID
2

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Lab Sample ID: 9704203-2

Sample Matrix: Soil
Cleanup: Sulfuric Acid
% Moisture: 12.8 %
Results based on dry weight

Date Collected: 4/24/97
Date Extracted: 4/30/97
Date Analyzed: 5/06/97

Sample Weight: 30 g
Final Volume: 10 mL
Dilution Factor: 100

Analyte	Conc (ug/kg)	Reporting Limit (ug/kg)
Aroclor 1016	ND	3,800
Aroclor 1221	ND	7,600
Aroclor 1232	ND	3,800
Aroclor 1242	ND	3,800
Aroclor 1248	ND	3,800
Aroclor 1254	15,000	3,800
Aroclor 1260	ND	3,800

SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2,4,5,6-Tetrachloro-m-xylene	I	43 - 124
Decachlorobiphenyl	I	29 - 165

ND = Not Detected at or above client requested reporting limit.
I = Surrogate not reported due to sample dilution.

AROCLORS

Method 8081

Sample ID
3

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Lab Sample ID: 9704203-3

Sample Matrix: Soil
Cleanup: Sulfuric Acid
% Moisture: 8.92 %
Results based on dry weight

Date Collected: 4/24/97
Date Extracted: 4/30/97
Date Analyzed: 5/05/97

Sample Weight: 30 g
Final Volume: 10 mL
Dilution Factor: 1

Analyte	Conc (ug/kg)	Reporting Limit (ug/kg)
Aroclor 1016	ND	37
Aroclor 1221	ND	73
Aroclor 1232	ND	37
Aroclor 1242	ND	37
Aroclor 1248	ND	37
Aroclor 1254	57	37
Aroclor 1260	ND	37

SURROGATE RECOVERY

Analyte	% Recovery	% Rec Limits
2,4,5,6-Tetrachloro-m-xylene	102	43 - 124
Decachlorobiphenyl	119	29 - 165

ND = Not Detected at or above client requested reporting limit.

Supporting QA/QC Data

PCB SURROGATE SUMMARY

Method 8081

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Sample Matrix: Soil
Cleanup: Sulfuric Acid

Client ID	Laboratory ID	TCMX % Rec	DCB % Rec
Reagent Blank	SRB1 4/30/97	108	111
Blank Spike	SBS1 4/30/97	109	115
Blank Spike Dup	SBS2 4/30/97	108	114
1	9704203-1	106	104
2	9704203-2	I	I
3	9704203-3	102	119

I = Surrogate not reported due to sample dilution.

	QC Limits
TCMX = 2,4,5,6-Tetrachloro-m-xylene	(43-124)
DCB = Decachlorobiphenyl	(29-165)

AROCLOR BLANK SPIKE

Method 8081

Sample ID

Blank Spike

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Date Extracted: 4/30/97
Date Analyzed: 5/05/97

Lab Sample ID: SBS1 4/30/97

Sample Matrix: Sodium Sulfate
Cleanup: Sulfuric Acid

Sample Weight: 30 g
Final Volume: 10 mL

Analyte	Spike Added (ug/kg)	BS Concentration (ug/kg)	BS Percent Recovery	QC Limits % Rec
Aroclor 1260	167	170	102	50 - 150

Analyte	Spike Added (ug/kg)	BSD Concentration (ug/kg)	BSD Percent Recovery	RPD	QC Limits RPD
Aroclor 1260	167	165	99	3	20

SURROGATE RECOVERY BS/BSD

Analyte	% Recovery BS	% Recovery BSD	% Rec Limits
2,4,5,6-Tetrachloro-m-xylene	109	108	43 -124
Decachlorobiphenyl	115	114	29 -165

PCB METHOD BLANK SUMMARY

Method 8081

Sample ID

Reagent Blank

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Department of Ecology
Client Project ID: RCRA Closure -- 3718-F

Lab Sample ID: SRB1 4/30/97

Date Collected: N/A
Date Extracted: 4/30/97
Date Analyzed: 5/05/97

Sample Matrix: Soil
Cleanup: Sulfuric Acid

Sample Volume: 30 g
Final Volume: 10 mL
Dilution Factor: 1

Client ID	Laboratory ID	Date Analyzed
Blank Spike	SBS1 4/30/97	5/05/97
Blank Spike Dup	SBS2 4/30/97	5/05/97
1	9704203-1	5/06/97
2	9704203-2	5/06/97
3	9704203-3	5/05/97

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A8050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #1: RTX-1701

000015

Calibration files
1 = 0505EE05.D 2 = 0505EE04.D 3 = 0505EE03.D
4 = 0505EE02.D 5 = 0505EE01.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	24165	24727	23377	23709	23788		23953	2.2	1.000	Linear
Aroclor-1248	585	578	523	498	487		534	8.4	1.000	Linear
Aroclor-1248 {2}	1570	1431	1266	1243	1206		1343	11.4	1.000	Linear
Aroclor-1248 {3}	635	602	550	546	533		573	7.5	1.000	Linear
Aroclor-1248 {4}	1549	1510	1348	1292	1257		1391	9.4	1.000	Linear
Aroclor-1248 {5}	1209	1203	1100	1090	1074		1135	5.8	1.000	Linear
Aroclor-1248 {6}	1043	1034	956	958	941		986	4.9	1.000	Linear
Aroclor-1248 {7}	653	628	592	609	593		615	4.2	1.000	Linear
Aroclor-1248 {8}	474	448	485	490	477		475	3.4	0.999	Linear
Decachlorobiphenyl	32444	28749	25659	24768	24346		27193	12.5	1.000	Linear

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A8050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #2: RTX-50

Calibration files
1 = 0505EE05.D 2 = 0505EE04.D 3 = 0505EE03.D
4 = 0505EE02.D 5 = 0505EE01.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	34571	34211	31257	30646	30080		32153	6.5	1.000	Linear
Aroclor-1248	836	774	700	646	614		714	12.8	0.999	Linear
Aroclor-1248 {2}	1859	1769	1542	1441	1389		1600	12.8	0.999	Linear
Aroclor-1248 {3}	1984	1914	1689	1580	1538		1741	11.4	1.000	Linear
Aroclor-1248 {4}	886	862	764	725	709		789	10.2	1.000	Linear
Aroclor-1248 {5}	757	746	649	614	591		671	11.3	0.999	Linear
Aroclor-1248 {6}	858	823	721	679	657		747	11.9	0.999	Linear
Aroclor-1248 {7}	1480	1405	1230	1181	1155		1290	11.2	1.000	Linear
Aroclor-1248 {8}	1039	991	874	851	839		919	9.8	1.000	Linear
Decachlorobiphenyl	34905	34331	30862	29476	28600		31635	9.0	1.000	Linear

000016

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A8050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1

Calibration files
1 = 0505EE05.D 2 = 0505EE04.D 3 = 0505EE03.D
4 = 0505EE02.D 5 = 0505EE01.D 6 =

	Initial Calibration Concentration Levels (ng/ml)					
Compoumds	1	2	3	4	5	6
TCMX	5	10	20	40	60	
Aroclor-1248	50	100	200	400	600	
Aroclor-1248 {2}	50	100	200	400	600	
Aroclor-1248 {3}	50	100	200	400	600	
Aroclor-1248 {4}	50	100	200	400	600	
Aroclor-1248 {5}	50	100	200	400	600	
Aroclor-1248 {6}	50	100	200	400	600	
Aroclor-1248 {7}	50	100	200	400	600	
Aroclor-1248 {8}	50	100	200	400	600	
Decachlorobiphenyl	5	10	20	40	60	

000017

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A8050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1

Calibration files
1 = 0505EE05.D 2 = 0505EE04.D 3 = 0505EE03.D
4 = 0505EE02.D 5 = 0505EE01.D 6 =

	Column #1	RT Window		Column #2	RT Window	
Compoumds	RT	From	To	RT	From	To
TCMX	7.617	7.517	7.717	8.332	8.232	8.432
Aroclor-1248	9.474	9.374	9.574	10.387	10.287	10.487
Aroclor-1248 {2}	10.293	10.193	10.393	11.119	11.019	11.219
Aroclor-1248 {3}	10.547	10.447	10.647	12.302	12.202	12.402
Aroclor-1248 {4}	11.365	11.265	11.465	12.716	12.616	12.816
Aroclor-1248 {5}	11.533	11.472	11.672	13.041	12.941	13.141
Aroclor-1248 {6}	11.863	11.763	11.963	13.188	13.088	13.288
Aroclor-1248 {7}	13.137	13.037	13.237	13.398	13.298	13.498
Aroclor-1248 {8}	13.558	13.458	13.658	14.199	14.099	14.299
Decachlorobiphenyl	20.071	19.971	20.171	23.280	23.180	23.380

Colunm #1: RTX-1701 Colunm #2: RTX-50

000018

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1248 2ND SRC MX-A56-07 40%

Inst. ID: ECD1
Date Aquired:05 May 97 12:01 P

000019

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE06.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE06.D\0505EF06.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX											
Aroclor-1248	9.474	9.476	-0.002	10.387	10.390	-0.003	400	389.44	392.73		
Aroclor-1248 {2}	10.293	10.295	-0.002	11.119	11.123	-0.003	400	386.78	392.34		
Aroclor-1248 {3}	10.547	10.549	-0.002	12.302	12.306	-0.003	400	387.99	393.64		
Aroclor-1248 {4}	11.365	11.367	-0.002	12.716	12.720	-0.003	400	388.97	393.91		
Aroclor-1248 {5}	11.533	11.535	-0.002	13.041	13.044	-0.003	400	386.77	404.32		
Aroclor-1248 {6}	11.863	11.865	-0.002	13.188	13.192	-0.003	400	385.63	398.88		
Aroclor-1248 {7}	13.137	13.139	-0.002	13.398	13.401	-0.003	400	382.96	395.35		
Aroclor-1248 {8}	13.558	13.560	-0.002	14.199	14.202	-0.003	400	379.96	393.10		
Total Aroclor-1248							3200	3088.512	3164.29	3.48	1.12
Decachlorobiphenyl											

Column #1: DB-1701

Column #2: DB-17

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A5050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #1: RTX-1701

000020

Calibration files
1 = 0505EE11.D 2 = 0505EE10.D 3 = 0505EE09.D
4 = 0505EE08.D 5 = 0505EE07.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	25785	26032	25518	25149	24495		25396	2.4	1.000	Linear
Aroclor-1254	2292	2270	2047	1885	1759		2051	11.4	0.997	Linear
Aroclor-1254 {2}	615	713	639	594	557		624	9.3	0.997	Linear
Aroclor-1254 {3}	2105	2126	1924	1798	1697		1930	9.7	0.998	Linear
Aroclor-1254 {4}	1376	1426	1265	1162	1081		1262	11.4	0.997	Linear
Aroclor-1254 {5}	1549	1565	1386	1285	1207		1398	11.3	0.998	Linear
Aroclor-1254 {6}	692	741	659	615	575		656	9.9	0.997	Linear
Aroclor-1254 {7}	905	985	895	857	819		892	7.0	0.999	Linear
Aroclor-1254 {8}	2119	2144	1970	1871	1779		1977	7.9	0.999	Linear
Decachlorobiphenyl	30340	31241	27729	26006	24787		28021	9.8	0.999	Linear

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A5050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #2: RTX-50

Calibration files
1 = 0505EE11.D 2 = 0505EE10.D 3 = 0505EE09.D
4 = 0505EE08.D 5 = 0505EE07.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	36240	35793	33674	32603	31237		33909	6.2	0.999	Linear
Aroclor-1254	553	542	503	494	461		511	7.3	0.998	Linear
Aroclor-1254 {2}	1995	1856	1672	1539	1425		1697	13.6	0.997	Linear
Aroclor-1254 {3}	2208	2043	1849	1677	1548		1865	14.3	0.997	Linear
Aroclor-1254 {4}	847	804	756	702	651		752	10.4	0.997	Linear
Aroclor-1254 {5}	667	658	650	614	570		632	6.3	0.997	Linear
Aroclor-1254 {6}	2725	2591	2452	2287	2142		2439	9.5	0.998	Linear
Aroclor-1254 {7}	1398	1329	1312	1216	1125		1276	8.4	0.996	Linear
Aroclor-1254 {8}	2933	2834	2658	2555	2421		2680	7.7	0.999	Linear
Decachlorobiphenyl	36746	35479	33054	30915	29062		33051	9.6	0.998	Linear

000021

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A5050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1

Calibration files
1 = 0505EE11.D 2 = 0505EE10.D 3 = 0505EE09.D
4 = 0505EE08.D 5 = 0505EE07.D 6 =

	Initial Calibration Concentration Levels (ng/ml)					
Compoumds	1	2	3	4	5	6
TCMX	5	10	20	40	60	
Aroclor-1254	50	100	200	400	600	
Aroclor-1254 {2}	50	100	200	400	600	
Aroclor-1254 {3}	50	100	200	400	600	
Aroclor-1254 {4}	50	100	200	400	600	
Aroclor-1254 {5}	50	100	200	400	600	
Aroclor-1254 {6}	50	100	200	400	600	
Aroclor-1254 {7}	50	100	200	400	600	
Aroclor-1254 {8}	50	100	200	400	600	
Decachlorobiphenyl	5	10	20	40	60	

000022

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A5050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1

000023

Calibration files
1 = 0505EE11.D 2 = 0505EE10.D 3 = 0505EE09.D
4 = 0505EE08.D 5 = 0505EE07.D 6 =

	Column #1	RT Window		Column #2	RT Window	
Compoumds	RT	From	To	RT	From	To
TCMX	7.621	7.521	7.721	8.336	8.236	8.436
Aroclor-1254	12.060	11.960	12.160	12.307	12.207	12.407
Aroclor-1254 {2}	12.817	12.717	12.917	13.045	12.945	13.145
Aroclor-1254 {3}	13.142	13.042	13.242	13.193	13.093	13.293
Aroclor-1254 {4}	13.412	13.312	13.512	13.296	13.196	13.396
Aroclor-1254 {5}	13.561	13.461	13.661	13.823	13.723	13.923
Aroclor-1254 {6}	14.081	13.981	14.181	14.202	14.137	14.337
Aroclor-1254 {7}	14.243	14.143	14.343	14.860	14.760	14.960
Aroclor-1254 {8}	14.535	14.435	14.635	15.968	15.868	16.068
Decachlorobiphenyl	20.075	19.975	20.175	23.288	23.188	23.388

Colunm #1: RTX-1701 Colunm #2: RTX-50

Calibration Verification Summary

Paragon Analytics, Inc.

Inst. ID: ECD1
Date Aquired:05 May 97 03:02 P

Sample: 1254 2ND SRC MX-A54-09 40%

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE12.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE12.D\0505EF12.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX											
Aroclor-1254	12.060	12.061	-0.001	12.307	12.308	-0.001	400	403.18	394.96		
Aroclor-1254 {2}	12.817	12.818	-0.001	13.045	13.046	-0.001	400	402.74	391.62		
Aroclor-1254 {3}	13.142	13.143	-0.001	13.193	13.194	-0.001	400	388.89	392.97		
Aroclor-1254 {4}	13.412	13.413	-0.002	13.296	13.298	-0.001	400	368.33	409.20		
Aroclor-1254 {5}	13.561	13.563	-0.001	13.823	13.824	-0.001	400	398.06	401.95		
Aroclor-1254 {6}	14.081	14.082	-0.001	14.202	14.204	-0.001	400	351.18	390.85		
Aroclor-1254 {7}	14.243	14.245	-0.001	14.860	14.862	-0.002	400	391.29	344.53		
Aroclor-1254 {8}	14.535	14.536	-0.002	15.968	15.970	-0.001	400	344.57	343.16		
Total Aroclor-1254							3200	3048.233	3069.248	4.74	4.09
Decachlorobiphenyl											

Column #1: DB-1701

Column #2: DB-17

000024

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A1050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #1: RTX-1701

000025

Calibration files
1 = 0505EE17.D 2 = 0505EE16.D 3 = 0505EE15.D
4 = 0505EE14.D 5 = 0505EE13.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	23833	23995	23464	23171	23376		23568	1.4	1.000	Linear
Aroclor-1016	796	759	689	632	620		699	11.0	0.999	Linear
Aroclor-1016 {2}	1490	1403	1265	1147	1109		1283	12.7	0.999	Linear
Aroclor-1016 {3}	341	345	334	323	323		333	3.0	1.000	Linear
Aroclor-1016 {4}	569	562	541	509	497		536	6.0	0.999	Linear
Aroclor-1016 {5}	2743	2639	2384	2193	2133		2418	11.1	0.999	Linear
Aroclor-1016 {6}	1247	1226	1148	1075	1049		1149	7.7	0.999	Linear
Aroclor-1016 {7}	864	873	829	795	786		829	4.7	1.000	Linear
Aroclor-1016 {8}	1168	1163	1064	1010	993		1080	7.7	1.000	Linear
Aroclor-1260	1776	1676	1496	1346	1293		1518	13.7	0.999	Linear
Aroclor-1260 {2}	2093	2002	1812	1637	1579		1824	12.2	0.999	Linear
Aroclor-1260 {3}	1070	1057	978	895	866		974	9.5	0.999	Linear
Aroclor-1260 {4}	951	987	950	884	871		929	5.3	0.999	Linear
Aroclor-1260 {5}	1486	1439	1365	1288	1273		1370	6.8	1.000	Linear
Aroclor-1260 {6}	2799	2722	2624	2537	2558		2648	4.2	1.000	Linear
Aroclor-1260 {7}	2246	2251	2148	2078	2089		2162	3.8	1.000	Linear
Aroclor-1260 {8}	730	754	722	721	733		732	1.8	1.000	Linear
Decachlorobiphenyl	27553	26990	25188	23678	23326		25347	7.5	1.000	Linear

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A1050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1
Colunm #2: RTX-50

000026

Calibration files
1 = 0505EE17.D 2 = 0505EE16.D 3 = 0505EE15.D
4 = 0505EE14.D 5 = 0505EE13.D 6 =

	Calibration Factors								Corr Coef	Curve Fit
Compoumds	1	2	3	4	5	6	Ave. CF	%RSD	r2	Type
TCMX	33722	33067	31713	30283	29833		31724	5.3	1.000	Linear
Aroclor-1016	981	922	826	747	718		839	13.4	0.999	Linear
Aroclor-1016 {2}	2099	1893	1655	1472	1406		1705	17.0	0.999	Linear
Aroclor-1016 {3}	462	449	419	401	407		428	6.2	1.000	Linear
Aroclor-1016 {4}	1137	1085	993	918	905		1008	10.1	1.000	Linear
Aroclor-1016 {5}	3378	3133	2788	2515	2432		2849	14.1	0.999	Linear
Aroclor-1016 {6}	1144	1083	985	892	983		1017	9.6	0.994	Linear
Aroclor-1016 {7}	793	767	708	665	675		721	7.8	1.000	Linear
Aroclor-1016 {8}	1659	1581	1425	1317	1282		1453	11.3	0.999	Linear
Aroclor-1260	2412	2209	1965	1775	1725		2017	14.4	0.999	Linear
Aroclor-1260 {2}	2703	2472	2202	1992	1951		2264	14.2	0.999	Linear
Aroclor-1260 {3}	930	890	839	832	833		865	5.0	1.000	Linear
Aroclor-1260 {4}	1988	1792	1626	1603	1556		1713	10.4	1.000	Linear
Aroclor-1260 {5}	2004	1931	1800	1696	1671		1820	8.0	1.000	Linear
Aroclor-1260 {6}	3681	3567	3320	3124	3081		3355	7.9	1.000	Linear
Aroclor-1260 {7}	2656	2596	2460	2358	2357		2485	5.5	1.000	Linear
Aroclor-1260 {8}	887	918	870	846	856		875	3.2	1.000	Linear
Decachlorobiphenyl	33344	32531	30149	28109	27525		30331	8.5	1.000	Linear

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A1050597.M
Calibration Date: 05/05/97

Inst. ID: ECD1

Calibration files
1 = 0505EE17.D 2 = 0505EE16.D 3 = 0505EE15.D
4 = 0505EE14.D 5 = 0505EE13.D 6 =

	Initial Calibration Concentration Levels (ng/ml)					
Compoumds	1	2	3	4	5	6
TCMX	5	10	20	40	60	
Aroclor-1016	50	100	200	400	600	
Aroclor-1016 {2}	50	100	200	400	600	
Aroclor-1016 {3}	50	100	200	400	600	
Aroclor-1016 {4}	50	100	200	400	600	
Aroclor-1016 {5}	50	100	200	400	600	
Aroclor-1016 {6}	50	100	200	400	600	
Aroclor-1016 {7}	50	100	200	400	600	
Aroclor-1016 {8}	50	100	200	400	600	
Aroclor-1260	50	100	200	400	600	
Aroclor-1260 {2}	50	100	200	400	600	
Aroclor-1260 {3}	50	100	200	400	600	
Aroclor-1260 {4}	50	100	200	400	600	
Aroclor-1260 {5}	50	100	200	400	600	
Aroclor-1260 {6}	50	100	200	400	600	
Aroclor-1260 {7}	50	100	200	400	600	
Aroclor-1260 {8}	50	100	200	400	600	
Decachlorobiphenyl	5	10	20	40	60	

000027

Initial Calibration Summary

Paragon Analytics, Inc.

Method: C:\HPCHEM\5\METHODS\A1050597.M

Inst. ID: ECD1

Calibration Date: 05/05/97

Calibration files

1 = 0505EE17.D 2 = 0505EE16.D 3 = 0505EE15.D

4 = 0505EE14.D 5 = 0505EE13.D 6 =

	Column #1	RT Window		Column #2	RT Window	
Compoumds	RT	From	To	RT	From	To
TCMX	7.623	7.523	7.723	8.338	8.238	8.438
Aroclor-1016	8.725	8.625	8.825	9.557	9.457	9.657
Aroclor-1016 {2}	9.479	9.379	9.579	10.392	10.292	10.492
Aroclor-1016 {3}	9.840	9.740	9.940	10.790	10.690	10.890
Aroclor-1016 {4}	9.940	9.840	10.040	10.932	10.832	11.032
Aroclor-1016 {5}	10.300	10.200	10.400	11.124	11.024	11.224
Aroclor-1016 {6}	10.553	10.453	10.653	11.410	11.310	11.510
Aroclor-1016 {7}	10.737	10.637	10.837	11.646	11.546	11.746
Aroclor-1016 {8}	11.371	11.271	11.471	12.308	12.208	12.408
Aroclor-1260	13.411	13.311	13.511	14.591	14.491	14.691
Aroclor-1260 {2}	13.812	13.712	13.912	14.861	14.761	14.961
Aroclor-1260 {3}	14.072	13.972	14.172	15.393	15.293	15.493
Aroclor-1260 {4}	14.168	14.068	14.268	16.149	16.049	16.249
Aroclor-1260 {5}	15.373	15.273	15.473	17.246	17.146	17.346
Aroclor-1260 {6}	16.112	16.012	16.212	17.763	17.663	17.863
Aroclor-1260 {7}	17.226	17.126	17.326	18.959	18.859	19.059
Aroclor-1260 {8}	18.849	18.749	18.949	20.644	20.544	20.744
Decachlorobiphenyl	20.078	19.978	20.178	23.289	23.189	23.389

Colunm #1: RTX-1701

Colunm #2: RTX-50

000028

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1016 2ND SRC MX-A53-09 40%

Inst. ID: ECD1
Date Aquired:05 May 97 06:03 P

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE18.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE18.D\0505EF18.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX											
Aroclor-1016	8.725	8.725	0.000	9.557	9.556	0.001	400	386.15	385.02		
Aroclor-1016 {2}	9.479	9.479	0.001	10.392	10.391	0.001	400	408.37	409.34		
Aroclor-1016 {3}	9.840	9.840	0.001	10.790	10.789	0.001	400	410.72	402.15		
Aroclor-1016 {4}	9.940	9.939	0.001	10.932	10.930	0.001	400	407.89	402.43		
Aroclor-1016 {5}	10.300	10.299	0.001	11.124	11.123	0.001	400	412.52	412.36		
Aroclor-1016 {6}	10.553	10.553	0.001	11.410	11.409	0.001	400	416.69	421.51		
Aroclor-1016 {7}	10.737	10.736	0.001	11.646	11.646	0.001	400	416.86	402.38		
Aroclor-1016 {8}	11.371	11.370	0.001	12.308	12.307	0.001	400	403.74	389.79		
Aroclor-1016 Total							3200	3262.938	3224.979	1.97	0.78
Aroclor-1260											
Aroclor-1260 {2}											
Aroclor-1260 {3}											
Aroclor-1260 {4}											
Aroclor-1260 {5}											
Aroclor-1260 {6}											
Aroclor-1260 {7}											
Aroclor-1260 {8}											
Aroclor-1260 Total											
Decachlorobiphenyl											

Column #1: DB-1701

Column #2: DB-17

000029

Calibration Verification Summary

Paragon Analytics, Inc.

Inst. ID: ECD1
Date Aquired:05 May 97 06:33 P

Sample: 1260 2ND SRC MX-A51-11 40%

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE19.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE19.D\0505EF19.D

000030

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX											
Aroclor-1016											
Aroclor-1016 {2}											
Aroclor-1016 {3}											
Aroclor-1016 {4}											
Aroclor-1016 {5}											
Aroclor-1016 {6}											
Aroclor-1016 {7}											
Aroclor-1016 {8}											
Aroclor-1016 Total											
Aroclor-1260	13.411	13.410	0.001	14.591	14.590	0.001	400	410.36	429.89		
Aroclor-1260 {2}	13.812	13.811	0.001	14.861	14.860	0.001	400	409.23	410.25		
Aroclor-1260 {3}	14.072	14.075	-0.003	15.393	15.392	0.001	400	408.59	410.33		
Aroclor-1260 {4}	14.168	14.167	0.001	16.149	16.148	0.001	400	414.19	349.74		
Aroclor-1260 {5}	15.373	15.371	0.002	17.246	17.246	0.000	400	365.76	367.07		
Aroclor-1260 {6}	16.112	16.112	0.001	17.763	17.763	0.000	400	349.44	352.69		
Aroclor-1260 {7}	17.226	17.225	0.001	18.959	18.958	0.001	400	358.74	360.61		
Aroclor-1260 {8}	18.849	18.848	0.001	20.644	20.642	0.001	400	332.11	332.98		
Aroclor-1260 Total							3200	3048.431	3013.552	4.74	5.83
Decachlorobiphenyl											

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1248 MX-B99-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 00:04 A

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE29.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE29.D\0505EF29.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.617	7.612	0.004	8.332	8.327	0.005	40	39.91	41.05	0.24	2.62
Aroclor-1248	9.474	9.470	0.004	10.387	10.382	0.005	400	398.34	403.84		
Aroclor-1248 {2}	10.293	10.289	0.004	11.119	11.115	0.005	400	394.74	407.29		
Aroclor-1248 {3}	10.547	10.542	0.004	12.302	12.298	0.004	400	404.23	406.24		
Aroclor-1248 {4}	11.365	11.361	0.004	12.716	12.712	0.004	400	403.59	405.16		
Aroclor-1248 {5}	11.533	11.529	0.004	13.041	13.037	0.004	400	405.73	403.40		
Aroclor-1248 {6}	11.863	11.860	0.004	13.188	13.185	0.004	400	408.82	410.92		
Aroclor-1248 {7}	13.137	13.134	0.003	13.398	13.394	0.004	400	409.89	411.69		
Aroclor-1248 {8}	13.558	13.553	0.004	14.199	14.194	0.005	400	396.91	412.26		
Total Aroclor-1248							3200	3222.248	3260.805	0.70	1.90
Decachlorobiphenyl	20.071	20.066	0.005	23.280	23.272	0.008	40	40.77	41.63	1.93	4.08

Column #1: DB-1701

Column #2: DB-17

000031

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1254 MX-C28-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 00:34 A

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE30.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE30.D\0505EF30.D

000032

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.621	7.611	0.010	8.336	8.326	0.011	40	40.17	41.14	0.42	2.86
Aroclor-1254	12.060	12.051	0.009	12.307	12.297	0.010	400	405.55	406.65		
Aroclor-1254 {2}	12.817	12.808	0.009	13.045	13.035	0.010	400	402.83	406.68		
Aroclor-1254 {3}	13.142	13.133	0.009	13.193	13.184	0.010	400	403.84	408.88		
Aroclor-1254 {4}	13.412	13.402	0.009	13.296	13.286	0.010	400	405.20	406.61		
Aroclor-1254 {5}	13.561	13.552	0.009	13.823	13.812	0.011	400	400.65	404.82		
Aroclor-1254 {6}	14.081	14.071	0.010	14.202	14.191	0.011	400	400.75	406.87		
Aroclor-1254 {7}	14.243	14.233	0.010	14.860	14.849	0.012	400	397.62	404.86		
Aroclor-1254 {8}	14.535	14.524	0.010	15.968	15.954	0.014	400	401.29	404.22		
Total Aroclor-1254							3200	3217.741	3249.597	0.55	1.55
Decachlorobiphenyl	20.075	20.064	0.012	23.288	23.269	0.019	40	40.85	41.29	2.12	3.22

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1016/1260 MX-C25-02 20%

Inst. ID: ECD1
Date Aquired:06 May 97 01:04 A

000033

Data File #1: C:\HPCHEM\5\DATA\970505\0505EE31.D
Data File #2: C:\HPCHEM\5\DATA\970505\0505EE31.D\0505EF31.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.623	7.610	0.014	8.338	8.325	0.013	40	39.73	40.33	0.67	0.83
Aroclor-1016	8.725	8.713	0.012	9.557	9.544	0.012	400	397.20	407.58		
Aroclor-1016 {2}	9.479	9.467	0.013	10.392	10.380	0.012	400	399.14	405.58		
Aroclor-1016 {3}	9.840	9.828	0.013	10.790	10.778	0.012	400	396.50	397.19		
Aroclor-1016 {4}	9.940	9.927	0.013	10.932	10.919	0.012	400	399.68	402.23		
Aroclor-1016 {5}	10.300	10.287	0.013	11.124	11.113	0.012	400	396.89	403.42		
Aroclor-1016 {6}	10.553	10.541	0.012	11.410	11.398	0.012	400	401.29	373.76		
Aroclor-1016 {7}	10.737	10.724	0.013	11.646	11.635	0.012	400	400.04	396.32		
Aroclor-1016 {8}	11.371	11.358	0.012	12.308	12.297	0.011	400	399.83	405.07		
Aroclor-1016 Total							3200	3190.579	3191.158	0.29	0.28
Aroclor-1260	13.411	13.399	0.012	14.591	14.578	0.013	400	402.37	402.29		
Aroclor-1260 {2}	13.812	13.800	0.012	14.861	14.848	0.013	400	401.75	400.50		
Aroclor-1260 {3}	14.072	14.059	0.014	15.393	15.380	0.014	400	402.26	398.69		
Aroclor-1260 {4}	14.168	14.156	0.013	16.149	16.133	0.015	400	402.03	403.55		
Aroclor-1260 {5}	15.373	15.359	0.014	17.246	17.230	0.015	400	399.52	402.85		
Aroclor-1260 {6}	16.112	16.097	0.015	17.763	17.750	0.013	400	396.12	401.91		
Aroclor-1260 {7}	17.226	17.211	0.015	18.959	18.946	0.013	400	398.08	400.21		
Aroclor-1260 {8}	18.849	18.836	0.013	20.644	20.627	0.016	400	396.31	399.12		
Aroclor-1260 Total							3200	3198.433	3209.112	0.05	0.28
Decachlorobiphenyl	20.078	20.063	0.014	23.289	23.270	0.020	40	40.09	40.51	0.21	1.28

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1248 MX-B99-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 02:51 P

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE01.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EE01.D\0506EF01.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.617	7.625	-0.008	8.332	8.338	-0.007	40	39.19	39.65	2.03	0.86
Aroclor-1248	9.474	9.481	-0.007	10.387	10.392	-0.005	400	387.84	382.10		
Aroclor-1248 {2}	10.293	10.300	-0.007	11.119	11.124	-0.005	400	383.72	386.81		
Aroclor-1248 {3}	10.547	10.553	-0.006	12.302	12.307	-0.005	400	386.99	381.85		
Aroclor-1248 {4}	11.365	11.371	-0.006	12.716	12.721	-0.005	400	388.94	374.98		
Aroclor-1248 {5}	11.533	11.539	-0.006	13.041	13.045	-0.004	400	387.09	383.13		
Aroclor-1248 {6}	11.863	11.870	-0.006	13.188	13.194	-0.005	400	379.30	376.19		
Aroclor-1248 {7}	13.137	13.144	-0.007	13.398	13.403	-0.005	400	384.94	380.13		
Aroclor-1248 {8}	13.558	13.564	-0.007	14.199	14.204	-0.005	400	378.88	391.22		
Total Aroclor-1248							3200	3077.696	3056.395	3.82	4.49
Decachlorobiphenyl	20.071	20.078	-0.007	23.280	23.284	-0.003	40	37.56	38.45	6.09	3.89

Column #1: DB-1701

Column #2: DB-17

000034

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1254 MX-C28-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 03:21 P

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE02.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EF02.D\0506EF02.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.621	7.625	-0.004	8.336	8.338	-0.002	40	39.39	39.85	1.53	0.38
Aroclor-1254	12.060	12.062	-0.002	12.307	12.308	0.000	400	384.06	379.90		
Aroclor-1254 {2}	12.817	12.819	-0.002	13.045	13.045	0.000	400	377.23	384.87		
Aroclor-1254 {3}	13.142	13.144	-0.002	13.193	13.194	0.000	400	383.35	384.76		
Aroclor-1254 {4}	13.412	13.414	-0.002	13.296	13.297	-0.001	400	380.13	379.40		
Aroclor-1254 {5}	13.561	13.564	-0.003	13.823	13.824	-0.001	400	378.31	379.40		
Aroclor-1254 {6}	14.081	14.083	-0.002	14.202	14.203	0.000	400	372.34	390.36		
Aroclor-1254 {7}	14.243	14.246	-0.002	14.860	14.861	0.000	400	365.21	390.06		
Aroclor-1254 {8}	14.535	14.538	-0.003	15.968	15.967	0.001	400	377.89	384.41		
Total Aroclor-1254							3200	3018.523	3073.155	5.67	3.96
Decachlorobiphenyl	20.075	20.078	-0.003	23.288	23.283	0.005	40	38.44	38.64	3.91	3.39

Column #1: DB-1701

Column #2: DB-17

000035

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1016/1260 MX-C25-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 03:51 P

000036

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE03.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EE03.D\0506EF03.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.623	7.624	0.000	8.338	8.337	0.001	40	39.13	39.89	2.17	0.28
Aroclor-1016	8.725	8.726	-0.001	9.557	9.555	0.001	400	389.72	398.98		
Aroclor-1016 {2}	9.479	9.479	0.000	10.392	10.391	0.001	400	395.05	395.64		
Aroclor-1016 {3}	9.840	9.840	0.000	10.790	10.789	0.001	400	386.38	386.10		
Aroclor-1016 {4}	9.940	9.940	0.000	10.932	10.930	0.002	400	386.86	388.03		
Aroclor-1016 {5}	10.300	10.300	0.000	11.124	11.123	0.001	400	390.58	393.62		
Aroclor-1016 {6}	10.553	10.554	0.000	11.410	11.408	0.001	400	387.59	362.34		
Aroclor-1016 {7}	10.737	10.737	0.000	11.646	11.645	0.001	400	381.72	379.31		
Aroclor-1016 {8}	11.371	11.371	0.000	12.308	12.307	0.001	400	385.45	386.90		
Aroclor-1016 Total							3200	3103.353	3090.919	3.02	3.41
Aroclor-1260	13.411	13.411	0.000	14.591	14.590	0.001	400	384.58	394.90		
Aroclor-1260 {2}	13.812	13.813	-0.001	14.861	14.860	0.002	400	386.41	393.53		
Aroclor-1260 {3}	14.072	14.073	0.000	15.393	15.392	0.001	400	376.45	382.78		
Aroclor-1260 {4}	14.168	14.169	-0.001	16.149	16.147	0.002	400	376.24	388.89		
Aroclor-1260 {5}	15.373	15.374	-0.001	17.246	17.243	0.002	400	377.59	383.73		
Aroclor-1260 {6}	16.112	16.113	-0.001	17.763	17.761	0.002	400	379.34	382.56		
Aroclor-1260 {7}	17.226	17.227	-0.001	18.959	18.957	0.002	400	372.45	380.08		
Aroclor-1260 {8}	18.849	18.849	0.000	20.644	20.640	0.004	400	358.31	371.07		
Aroclor-1260 Total							3200	3011.367	3077.542	5.89	3.83
Decachlorobiphenyl	20.078	20.078	0.000	23.289	23.284	0.006	40	37.21	38.41	6.97	3.99

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1248 MX-B99-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 09:24 P

000037

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE13.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EE13.D\0506EF13.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.617	7.619	-0.002	8.332	8.332	0.000	40	39.65	41.71	0.88	4.28
Aroclor-1248	9.474	9.476	-0.001	10.387	10.387	0.000	400	395.44	400.09		
Aroclor-1248 {2}	10.293	10.295	-0.002	11.119	11.119	0.000	400	385.90	406.43		
Aroclor-1248 {3}	10.547	10.548	-0.001	12.302	12.302	0.000	400	393.50	405.03		
Aroclor-1248 {4}	11.365	11.366	-0.001	12.716	12.716	0.000	400	394.66	393.59		
Aroclor-1248 {5}	11.533	11.534	-0.001	13.041	13.041	0.000	400	394.51	405.26		
Aroclor-1248 {6}	11.863	11.865	-0.001	13.188	13.188	0.000	400	385.99	405.19		
Aroclor-1248 {7}	13.137	13.138	-0.001	13.398	13.398	0.000	400	388.24	405.56		
Aroclor-1248 {8}	13.558	13.559	-0.001	14.199	14.198	0.001	400	374.41	407.30		
Total Aroclor-1248							3200	3112.655	3228.451	2.73	0.89
Decachlorobiphenyl	20.071	20.072	-0.001	23.280	23.276	0.004	40	38.80	41.05	3.00	2.64

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1254 MX-C28-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 09:54 P

000038

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE14.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EE14.D\0506EF14.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.621	7.617	0.004	8.336	8.331	0.005	40	39.73	41.52	0.67	3.79
Aroclor-1254	12.060	12.056	0.005	12.307	12.302	0.006	400	386.76	398.63		
Aroclor-1254 {2}	12.817	12.812	0.005	13.045	13.039	0.006	400	383.06	404.15		
Aroclor-1254 {3}	13.142	13.137	0.005	13.193	13.187	0.006	400	387.97	404.58		
Aroclor-1254 {4}	13.412	13.407	0.005	13.296	13.291	0.006	400	387.26	401.98		
Aroclor-1254 {5}	13.561	13.557	0.005	13.823	13.817	0.006	400	381.83	398.32		
Aroclor-1254 {6}	14.081	14.076	0.005	14.202	14.196	0.006	400	382.48	407.96		
Aroclor-1254 {7}	14.243	14.238	0.005	14.860	14.853	0.007	400	371.07	406.57		
Aroclor-1254 {8}	14.535	14.530	0.005	15.968	15.960	0.009	400	381.15	399.92		
Total Aroclor-1254							3200	3061.58	3222.11	4.33	0.69
Decachlorobiphenyl	20.075	20.069	0.006	23.288	23.274	0.014	40	38.59	40.80	3.54	2.01

Column #1: DB-1701

Column #2: DB-17

Calibration Verification Summary

Paragon Analytics, Inc.

Sample: 1016/1260 MX-C25-02 20% CCV

Inst. ID: ECD1
Date Aquired:06 May 97 10:24 P

000039

Data File #1: C:\HPCHEM\5\DATA\970506\0506EE15.D
Data File #2: C:\HPCHEM\5\DATA\970506\0506EF15.D\0506EF15.D

	Column #1			Column #2				Col. #1	Col.#2	Col. #1	Col.#2
COMPOUND	Exp. RT (min)	Found RT (min)	Dev (min)	Exp. RT (min)	Found RT (min)	Dev (min)	Nom Conc ng/ml	Conc ng/ml	Conc ng/ml	%D	%D
TCMX	7.623	7.616	0.008	8.338	8.330	0.008	40	39.83	41.67	0.43	4.16
Aroclor-1016	8.725	8.719	0.007	9.557	9.549	0.008	400	398.15	416.37		
Aroclor-1016 {2}	9.479	9.472	0.007	10.392	10.384	0.008	400	402.74	415.02		
Aroclor-1016 {3}	9.840	9.833	0.007	10.790	10.782	0.008	400	394.18	407.38		
Aroclor-1016 {4}	9.940	9.933	0.007	10.932	10.923	0.008	400	395.05	408.12		
Aroclor-1016 {5}	10.300	10.293	0.007	11.124	11.116	0.008	400	395.83	410.66		
Aroclor-1016 {6}	10.553	10.546	0.007	11.410	11.402	0.008	400	394.60	376.64		
Aroclor-1016 {7}	10.737	10.730	0.007	11.646	11.639	0.008	400	390.45	397.23		
Aroclor-1016 {8}	11.371	11.363	0.008	12.308	12.300	0.008	400	393.72	407.72		
Aroclor-1016 Total							3200	3164.717	3239.144	1.10	1.22
Aroclor-1260	13.411	13.404	0.007	14.591	14.582	0.009	400	393.51	413.64		
Aroclor-1260 {2}	13.812	13.804	0.008	14.861	14.852	0.010	400	393.26	412.73		
Aroclor-1260 {3}	14.072	14.065	0.008	15.393	15.383	0.011	400	386.18	402.38		
Aroclor-1260 {4}	14.168	14.160	0.008	16.149	16.137	0.012	400	384.54	410.71		
Aroclor-1260 {5}	15.373	15.364	0.009	17.246	17.234	0.012	400	384.98	404.68		
Aroclor-1260 {6}	16.112	16.102	0.010	17.763	17.753	0.010	400	384.37	404.83		
Aroclor-1260 {7}	17.226	17.216	0.010	18.959	18.949	0.010	400	382.18	402.97		
Aroclor-1260 {8}	18.849	18.840	0.009	20.644	20.631	0.013	400	371.37	392.09		
Aroclor-1260 Total							3200	3080.401	3244.021	3.74	1.38
Decachlorobiphenyl	20.078	20.068	0.010	23.289	23.272	0.018	40	38.52	40.76	3.70	1.90

Column #1: DB-1701

Column #2: DB-17

Supporting Raw Data

Sequence Name: C:\HPCHEM\5\SEQUENCE\050597.S
Comment:
Operator: MBROWN
Data Path: C:\HPCHEM\5\DATA\970505\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1)	DeleteGC				
2)	MaskName -	-----F--			
3)	GCMethod -	10C003			
4)	Sample	100	PRIME	A1050597	PRIME
5)	Sample	100	PRIME	A1050597	PRIME
6)	Sample	100	PRIME	A1050597	PRIME
7)	Sample	100	PRIME	A1050597	PRIME
8)	Sample	100	PRIME	A1050597	PRIME
9)	Sample	99	HEXANE1	A1050597	HEXANE
10)	Sample	1	0505EE01	A8050597	1248 MX-B99-02 30%
11)	Sample	2	0505EE02	A8050597	1248 MX-B99-02 20%
12)	Sample	3	0505EE03	A8050597	1248 MX-B99-02 10%
13)	Sample	4	0505EE04	A8050597	1248 MX-B99-02 5%
14)	Sample	5	0505EE05	A8050597	1248 MX-B99-02 2.5%
15)	Sample	6	0505EE06	A8050597	1248 2ND SRC MX-A56-07 40%
16)	Sample	7	0505EE07	A5050597	1254 MX-C28-02 30%
17)	Sample	8	0505EE08	A5050597	1254 MX-C28-02 20%
18)	Sample	9	0505EE09	A5050597	1254 MX-C28-02 10%
19)	Sample	10	0505EE10	A5050597	1254 MX-C28-02 5%
20)	Sample	11	0505EE11	A5050597	1254 MX-C28-02 2.5%
21)	Sample	12	0505EE12	A5050597	1254 2ND SRC MX-A54-09 40%
22)	Sample	13	0505EE13	A1050597	1016/1260 MX-C25-02 30%
23)	Sample	14	0505EE14	A1050597	1016/1260 MX-C25-02 20%
24)	Sample	15	0505EE15	A1050597	1016/1260 MX-C25-02 10%
25)	Sample	16	0505EE16	A1050597	1016/1260 MX-C25-02 5%
26)	Sample	17	0505EE17	A1050597	1016/1260 MX-C25-02 2.5%
27)	Sample	18	0505EE18	A1050597	1016 2ND SRC MX-A53-09 40%
28)	Sample	19	0505EE19	A1050597	1260 2ND SRC MX-A51-11 40%
29)	Sample	20	0505EE20	A3050597	1221 MX-C27-01 5%
30)	Sample	21	0505EE21	A2050597	1232 MX-A38-07 5%
31)	Sample	22	0505EE22	A7050597	1242 MX-C26-02 5%
32)	Sample	23	0505EE23	A1050597	SRB1 4/30/97 PCB
33)	Sample	24	0505EE24	A1050597	SBS1 4/30/97 PCB
34)	Sample	25	0505EE25	A1050597	SBS2 4/30/97 PCB
35)	Sample	26	0505EE26	A1050597	9704203-1
36)	Sample	27	0505EE27	A1050597	9704203-2
37)	Sample	28	0505EE28	A1050597	9704203-3
38)	Sample	99	HEXANE2	A1050597	HEXANE
39)	Sample	29	0505EE29	A8050597	1248 MX-B99-02 20% CCV
40)	Sample	30	0505EE30	A5050597	1254 MX-C28-02 20% CCV
41)	Sample	31	0505EE31	A1050597	1016/1260 MX-C25-02 20%
42)	Sample	32	0505EE32	A1050597	ORB1 5/2/97 PCB
43)	Sample	33	0505EE33	A1050597	OBS1 5/2/97 PCB

Sequence Name: C:\HPCHEM\5\SEQUENCE\050597.S

Line	Type	Vial	DataFile	Method	Sample Name
44)	Sample	34	0505EE34	A1050597	OBS2 5/2/97 PCB
45)	Sample	35	0505EE35	A1050597	9704223-1 DL25
46)	Sample	36	0505EE36	A1050597	9704223-1MS
47)	Sample	37	0505EE37	A1050597	9704223-1MSD
48)	Sample	99	HEXANE3	A1050597	HEXANE
49)	Sample	38	0505EE38	A8050597	1248 MX-B99-02 20% CCV
50)	Sample	39	0505EE39	A5050597	1254 MX-C28-02 20% CCV
51)	Sample	40	0505EE40	A1050597	1016/1260 MX-C25-02 20% CCV
52)	Sample	41	0505EE41	A1050597	9704152-6 DL2
53)	Sample	42	0505EE42	A1050597	9704152-8 DL2
54)	Sample	43	0505EE43	A1050597	9704152-9 DL4
55)	Sample	44	0505EE44	A1050597	9704152-11 DL5
56)	Sample	45	0505EE45	A1050597	9704152-12 DL5
57)	Sample	46	0505EE46	A1050597	9704152-13 DL5
58)	Sample	99	HEXANE4	A1050597	HEXANE
59)	Sample	47	0505EE47	A8050597	1248 MX-B99-02 20% CCV
60)	Sample	48	0505EE48	A5050597	1254 MX-C28-02 20% CCV
61)	Sample	49	0505EE49	A1050597	1016/1260 MX-C25-02 20% CCV
62)					

Sequence Name: C:\HPCHEM\5\SEQUENCE\050697.S
Comment:
Operator: MBROWN
Data Path: C:\HPCHEM\5\DATA\970506\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1)	DeleteGC				
2)	MaskName - -----F--				
3)	GCMethod - 1OC003				
4)	Sample	100	PRIME	A1050597	PRIME
5)	Sample	100	PRIME	A1050597	PRIME
6)	Sample	100	PRIME	A1050597	PRIME
7)	Sample	99	HEXANE1	A1050597	HEXANE
8)	Sample	1	0506EE01	A8050597	1248 MX-B99-02 20% CCV
9)	Sample	2	0506EE02	A5050597	1254 MX-C28-02 20% CCV
10)	Sample	3	0506EE03	A1050597	1016/1260 MX-C25-02 20% CCV
11)	Sample	4	0506EE04	A1050597	9704203-3 RR
12)	Sample	5	0506EE05	A1050597	9704203-1 DL4
13)	Sample	6	0506EE06	A1050597	9704203-2 DL100
14)	Sample	7	0506EE07	A1050597	WRB1 5/6/97 PCB
15)	Sample	8	0506EE08	A1050597	WBS1 5/6/97 PCB
16)	Sample	9	0506EE09	A1050597	WBS2 5/6/97 PCB
17)	Sample	10	0506EE10	A1050597	WRB2 5/6/97 PCB
18)	Sample	11	0506EE11	A1050597	WBS3 5/6/97 PCB
19)	Sample	12	0506EE12	A1050597	WBS4 5/6/97 PCB
20)	Sample	99	HEXANE2	A1050597	HEXANE
21)	Sample	13	0506EE13	A8050597	1248 MX-B99-02 20% CCV
22)	Sample	14	0506EE14	A5050597	1254 MX-C28-02 20% CCV
23)	Sample	15	0506EE15	A1050597	1016/1260 MX-C25-02 20% CCV
24)	Sample	16	0506EE16	A1050597	9705034-1
25)	Sample	17	0506EE17	A1050597	9705034-2
26)	Sample	18	0506EE18	A1050597	9705034-3
27)	Sample	19	0506EE19	A1050597	9705034-4
28)	Sample	20	0506EE20	A1050597	9705034-5
29)	Sample	21	0506EE21	A1050597	9705034-6
30)	Sample	22	0506EE22	A1050597	9705034-7
31)	Sample	23	0506EE23	A1050597	9705034-8
32)	Sample	24	0506EE24	A1050597	9705034-9
33)	Sample	25	0506EE25	A1050597	9705034-10
34)	Sample	26	0506EE26	A1050597	9705034-11
35)	Sample	27	0506EE27	A1050597	9705034-12
36)	Sample	28	0506EE28	A1050597	9705034-13
37)	Sample	29	0506EE29	A1050597	9705034-14
38)	Sample	30	0506EE30	A1050597	9705034-15
39)	Sample	31	0506EE31	A1050597	9705034-16
40)	Sample	32	0506EE32	A1050597	9705034-17
41)	Sample	33	0506EE33	A1050597	9705034-18
42)	Sample	34	0506EE34	A1050597	9705034-19
43)	Sample	35	0506EE35	A1050597	9705034-20

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE01.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE01.D\0505EF01.D
Acq On : 05 May 97 09:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	1427307	1804788	60.13	59.83
				Recovery	=	120.26%	119.66%
10)	S Decachlorobiphenyl	20.07	23.28	1460765	1716025	60.00	59.66
				Recovery	=	120.00%	119.32%
	Target Compounds						
2)	L1 Aroclor-1248	9.47	10.39	292324	368154	597.69	593.22
3)	L1 Aroclor-1248 {2}	10.29	11.12	723687	833421	597.70	596.27
4)	L1 Aroclor-1248 {3}	10.55	12.30	319955	923059	597.85	597.66
5)	L1 Aroclor-1248 {4}	11.36	12.72	754093	425664	597.18	598.38
6)	L1 Aroclor-1248 {5}	11.53	13.04	644186	354525	598.84	595.74
7)	L1 Aroclor-1248 {6}	11.86	13.19	564892	394046	598.43	596.78
8)	L1 Aroclor-1248 {7}	13.14	13.40	356033	692843	596.90	598.65
9)	L1 Aroclor-1248 {8}	13.56	14.20	286260	503269	595.00	599.99
	Total Aroclor-1248			3941431	4494980	4779.59	4776.68

5/7/97

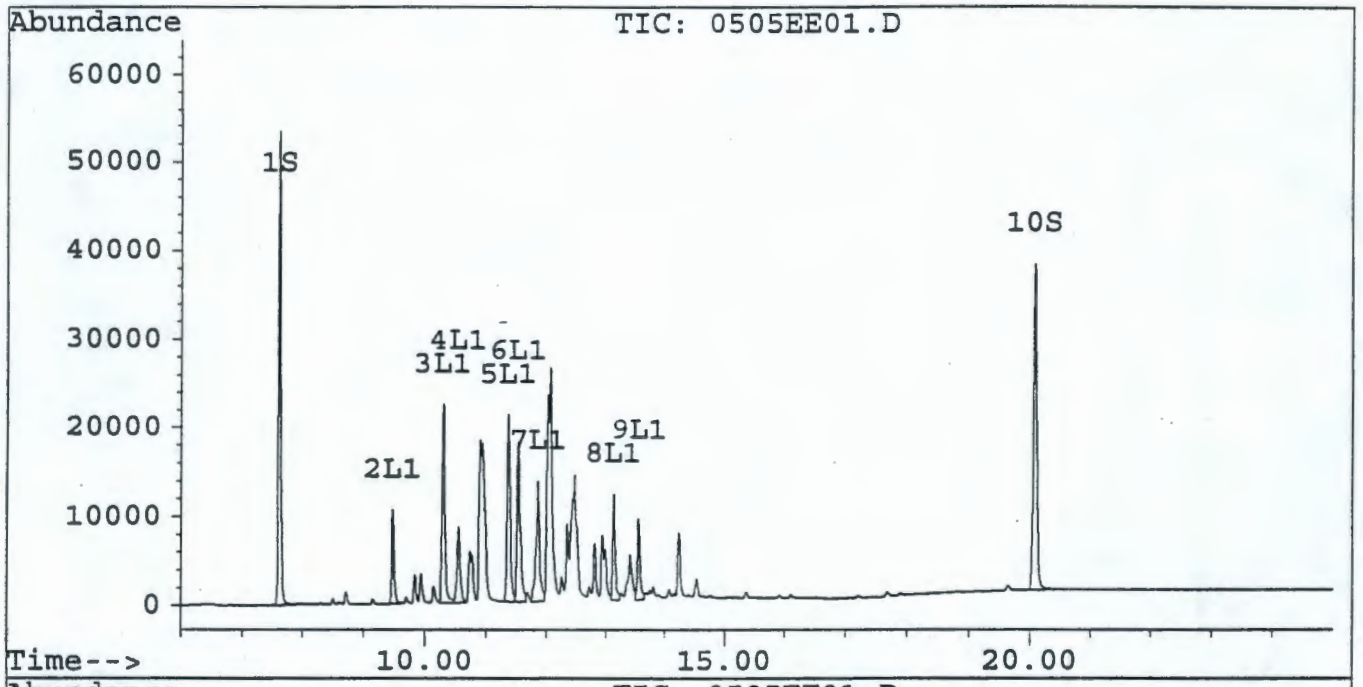
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

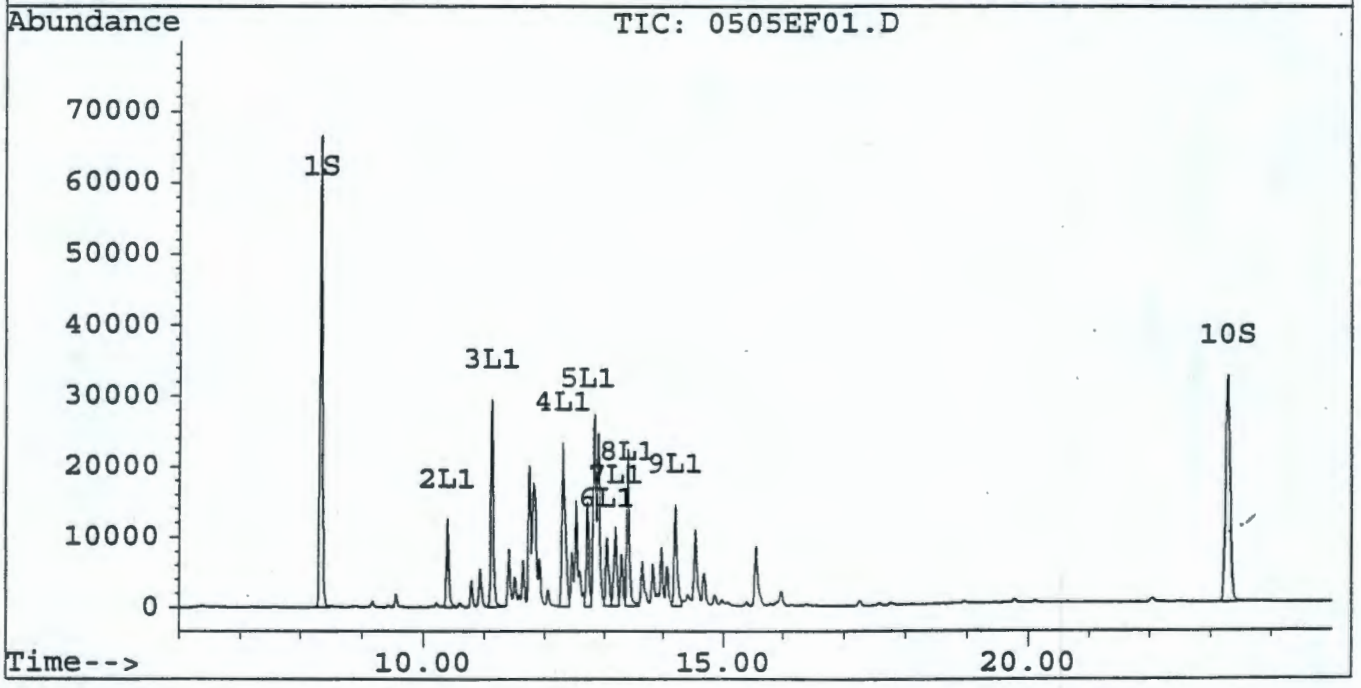
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE01.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE01.D\0505EF01.D
Acq On : 05 May 97 09:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE02.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE02.D\0505EF02.D
Acq On : 05 May 97 10:01 AM Operator: MBROWN
Sample : 1248 MX-B99-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	948345	1225821	39.92	40.25
				Recovery	=	79.84%	80.50%
10)	S Decachlorobiphenyl	20.07	23.28	990715	1179042	40.06	40.39
				Recovery	=	80.12%	80.78%
	Target Compounds						
2)	L1 Aroclor-1248	9.47	10.39	199351	258330	401.96	407.38
3)	L1 Aroclor-1248 {2}	10.29	11.12	497003	576318	404.54	403.79
4)	L1 Aroclor-1248 {3}	10.55	12.30	218377	631956	404.12	401.56
5)	L1 Aroclor-1248 {4}	11.36	12.72	516939	289985	403.34	401.13
6)	L1 Aroclor-1248 {5}	11.53	13.04	436031	245493	402.13	404.86
7)	L1 Aroclor-1248 {6}	11.86	13.19	383020	271446	403.21	403.31
8)	L1 Aroclor-1248 {7}	13.14	13.40	243613	472577	406.83	401.75
9)	L1 Aroclor-1248 {8}	13.56	14.20	195851	340277	407.53	400.34
Total	Aroclor-1248			2690184	3086384	3233.67	3224.13

5/7/97

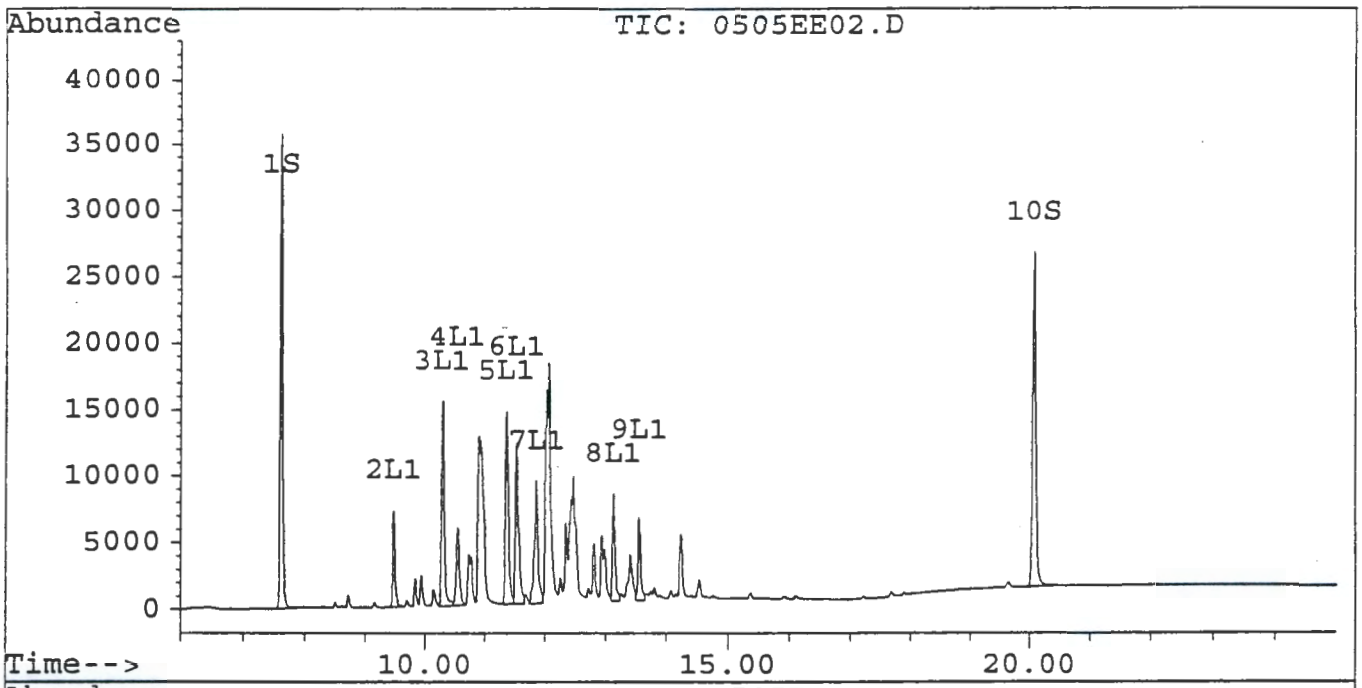
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

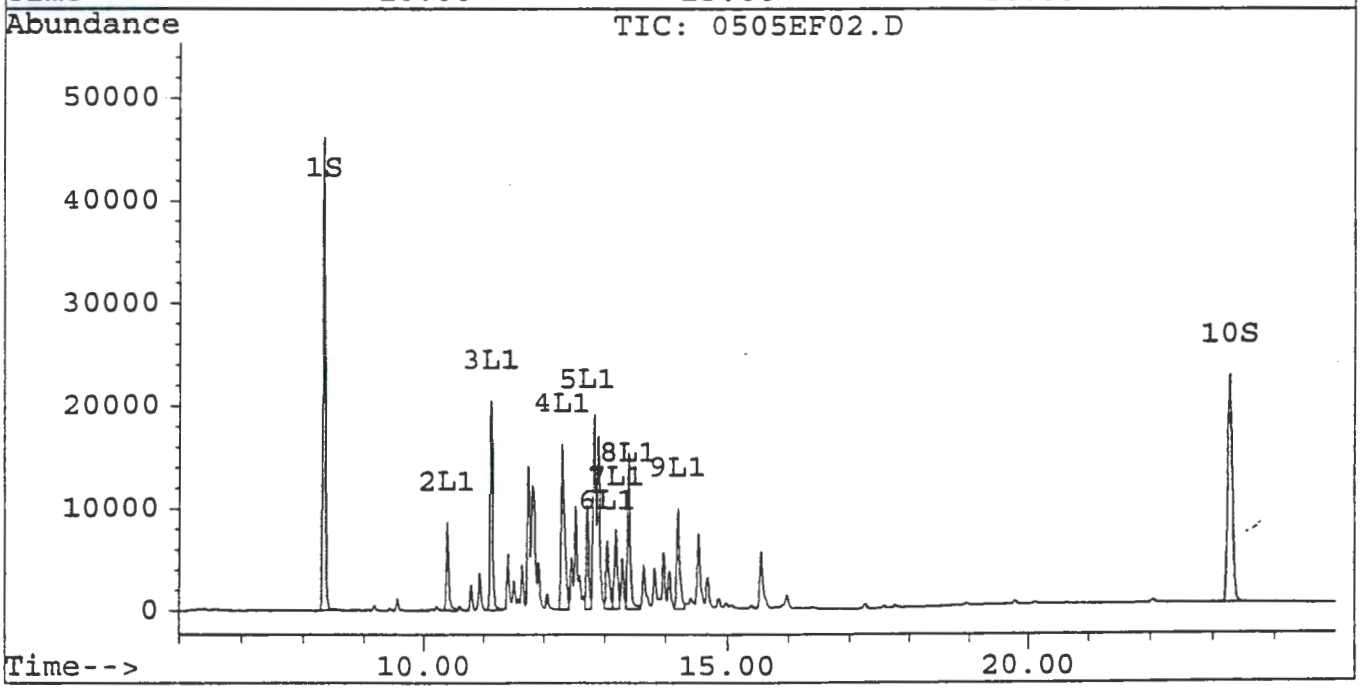
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE02.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE02.D\0505EF02.D
Acq On : 05 May 97 10:01 AM Operator: MBROWN
Sample : 1248 MX-B99-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE03.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE03.D\0505EF03.D
Acq On : 05 May 97 10:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	467531	625134	19.63	19.93
				Recovery	=	39.26%	39.86%
10)	S Decachlorobiphenyl	20.07	23.28	513179	617231	19.80	20.22
				Recovery	=	39.60%	40.44%
	Target Compounds						
2)	L1 Aroclor-1248	9.48	10.39	104655	140057	202.61	207.24
3)	L1 Aroclor-1248 {2}	10.29	11.12	253249	308444	196.84	203.25
4)	L1 Aroclor-1248 {3}	10.55	12.30	110017	337709	197.46	203.35
5)	L1 Aroclor-1248 {4}	11.37	12.72	269565	152770	201.14	201.65
6)	L1 Aroclor-1248 {5}	11.53	13.04	220047	129863	198.04	202.42
7)	L1 Aroclor-1248 {6}	11.86	13.19	191141	144184	197.24	202.49
8)	L1 Aroclor-1248 {7}	13.14	13.40	118362	246046	195.07	199.26
9)	L1 Aroclor-1248 {8}	13.56	14.20	97052	174777	202.67	197.62
Total	Aroclor-1248			1364088	1633850	1591.06	1617.27

5/7/97

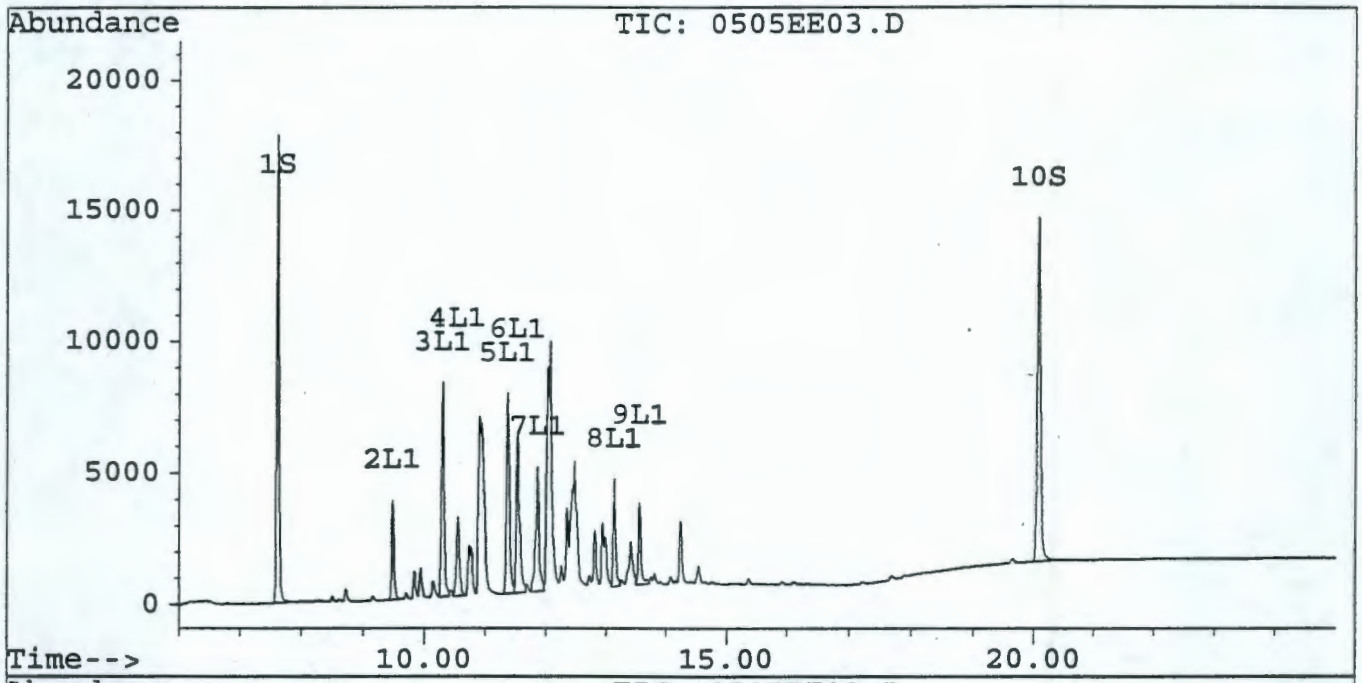
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

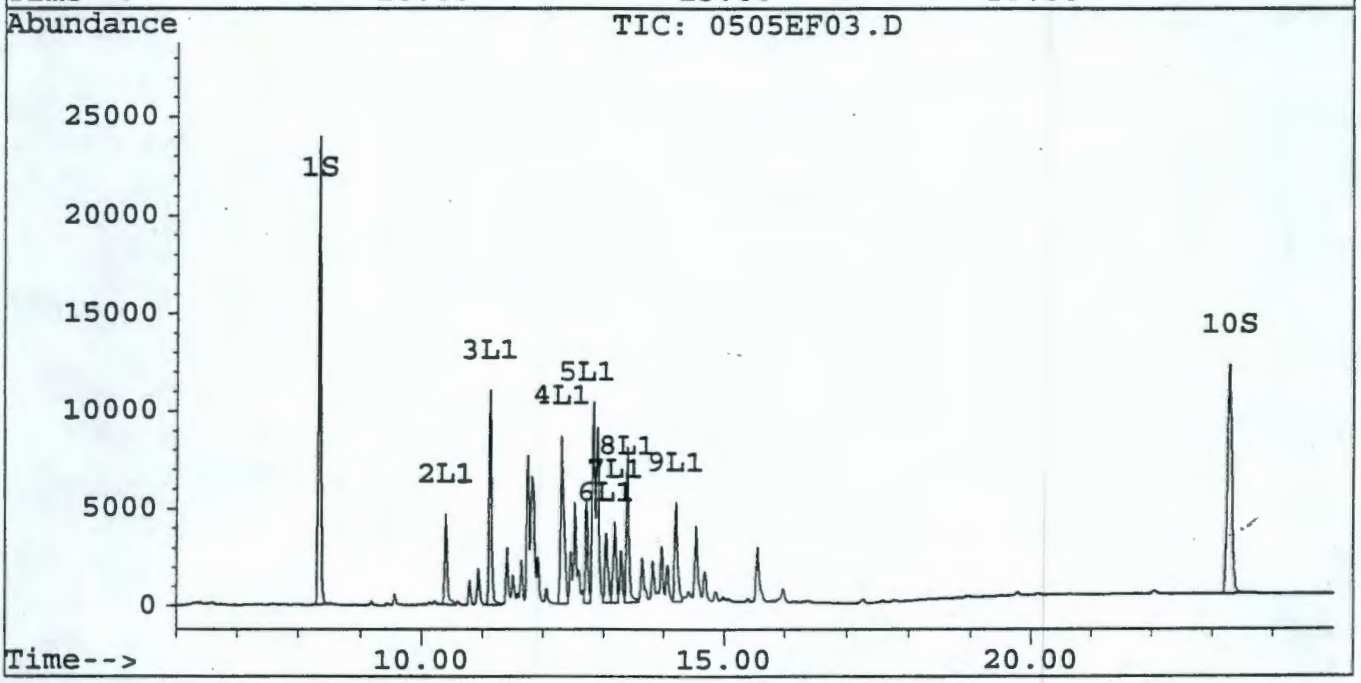
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE03.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE03.D\0505EF03.D
Acq On : 05 May 97 10:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE04.D\0505EF04.D
Acq On : 05 May 97 11:01 AM Operator: MBROWN
Sample : 1248 MX-B99-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	247273	342110	10.33	10.36
				Recovery	=	20.66%	20.72%
10)	S Decachlorobiphenyl	20.07	23.28	287491	343307	10.23	10.39
				Recovery	=	20.46%	20.78%
	Target Compounds						
2)	L1 Aroclor-1248	9.48	10.39	57750	77376	103.86	101.17
3)	L1 Aroclor-1248 {2}	10.29	11.12	143104	176874	102.98	104.75
4)	L1 Aroclor-1248 {3}	10.55	12.30	60181	191357	102.42	104.76
5)	L1 Aroclor-1248 {4}	11.37	12.72	150992	86209	104.22	104.88
6)	L1 Aroclor-1248 {5}	11.53	13.04	120275	74592	103.75	105.66
7)	L1 Aroclor-1248 {6}	11.86	13.19	103446	82280	103.11	104.80
8)	L1 Aroclor-1248 {7}	13.14	13.40	62762	140454	101.06	104.87
9)	L1 Aroclor-1248 {8}	13.56	14.20	44767	99079	94.25	104.90
	Total Aroclor-1248			743275	928220	815.65	835.79

5/7/97
mr

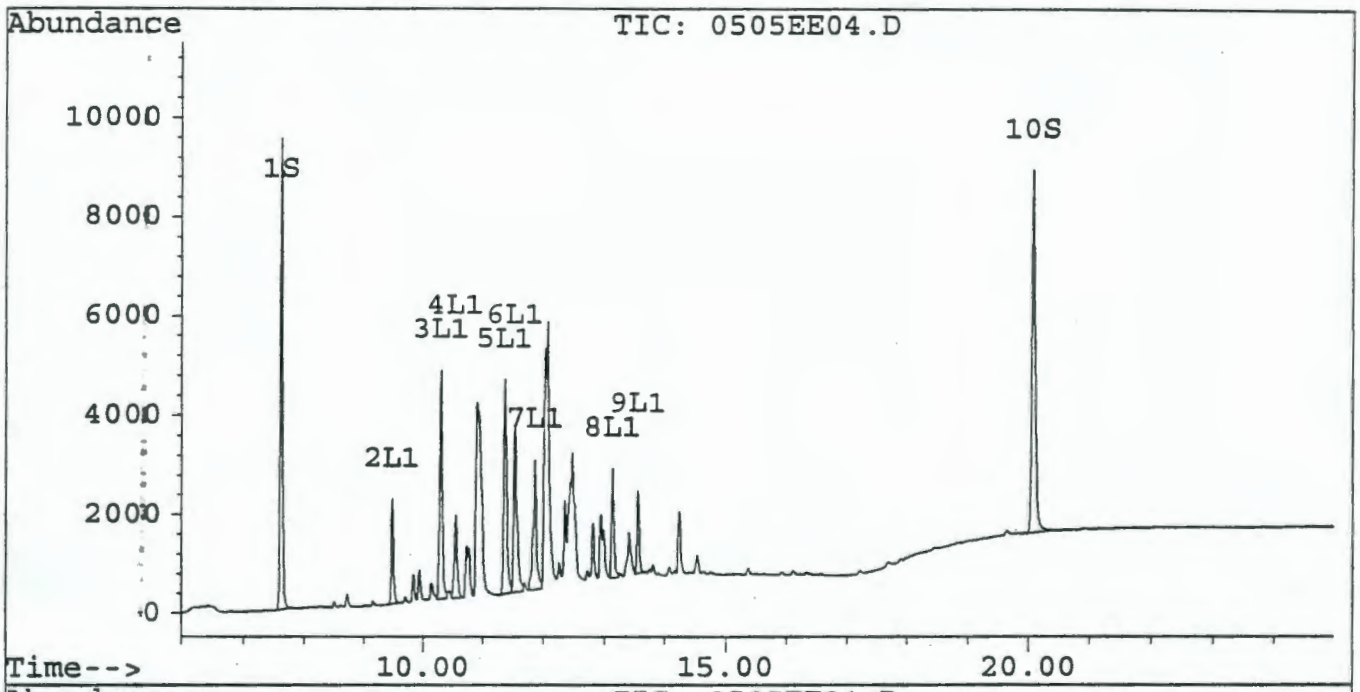
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

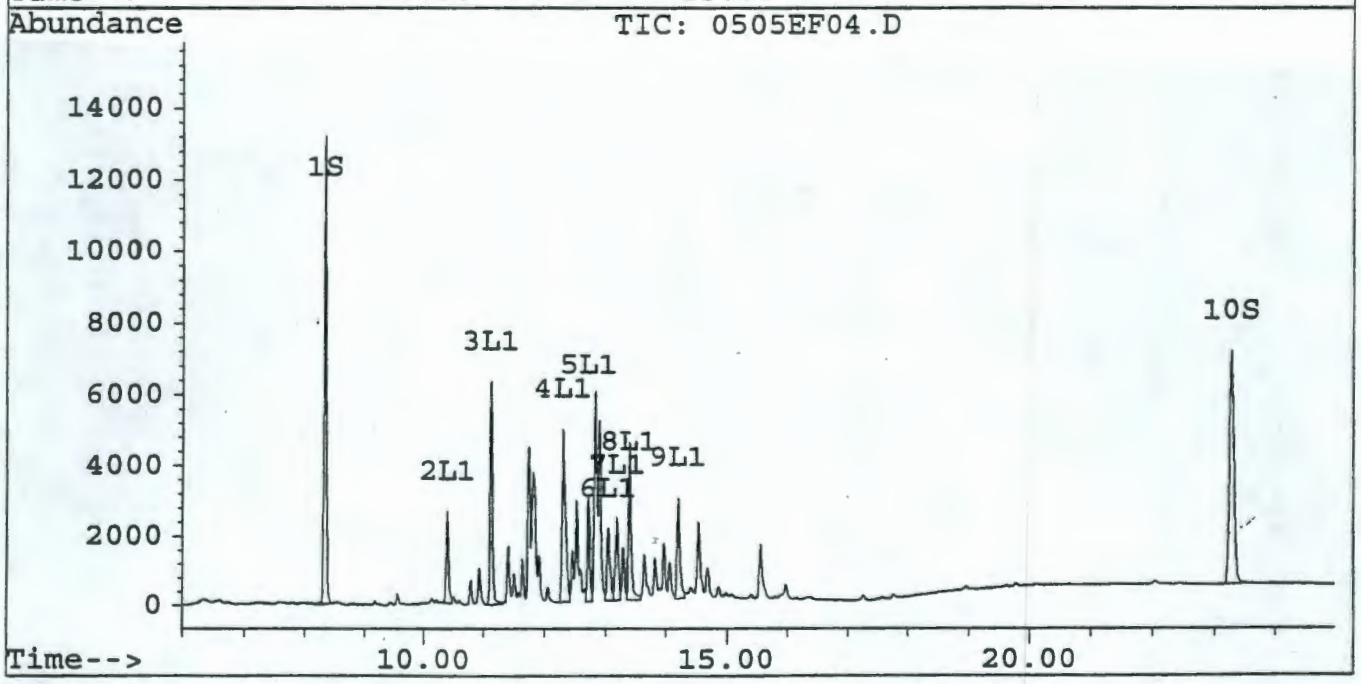
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE04.D\0505EF04.D
Acq On : 05 May 97 11:01 AM Operator: MBROWN
Sample : 1248 MX-B99-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE05.D\0505EF05.D
Acq On : 05 May 97 11:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	120826	172853	5.00	4.63
				Recovery	=	10.00%	9.26%
10)	S Decachlorobiphenyl	20.07	23.28	162222	174524	4.92	4.34
				Recovery	=	9.84%	8.68%
	Target Compounds						
2)	L1 Aroclor-1248	9.48	10.39	29258	41817	43.88	40.99
3)	L1 Aroclor-1248 {2}	10.30	11.12	78505	92964	47.94	41.94
4)	L1 Aroclor-1248 {3}	10.55	12.31	31727	99182	48.15	42.67
5)	L1 Aroclor-1248 {4}	11.37	12.72	77472	44292	44.12	43.95
6)	L1 Aroclor-1248 {5}	11.53	13.04	60468	37846	47.24	41.33
7)	L1 Aroclor-1248 {6}	11.87	13.19	52126	42878	48.02	42.62
8)	L1 Aroclor-1248 {7}	13.14	13.40	32643	74014	50.14	45.48
9)	L1 Aroclor-1248 {8}	13.56	14.20	23690	51938	50.55	47.15
	Total Aroclor-1248			385888	484931	380.03	346.13

5/7/97
MB

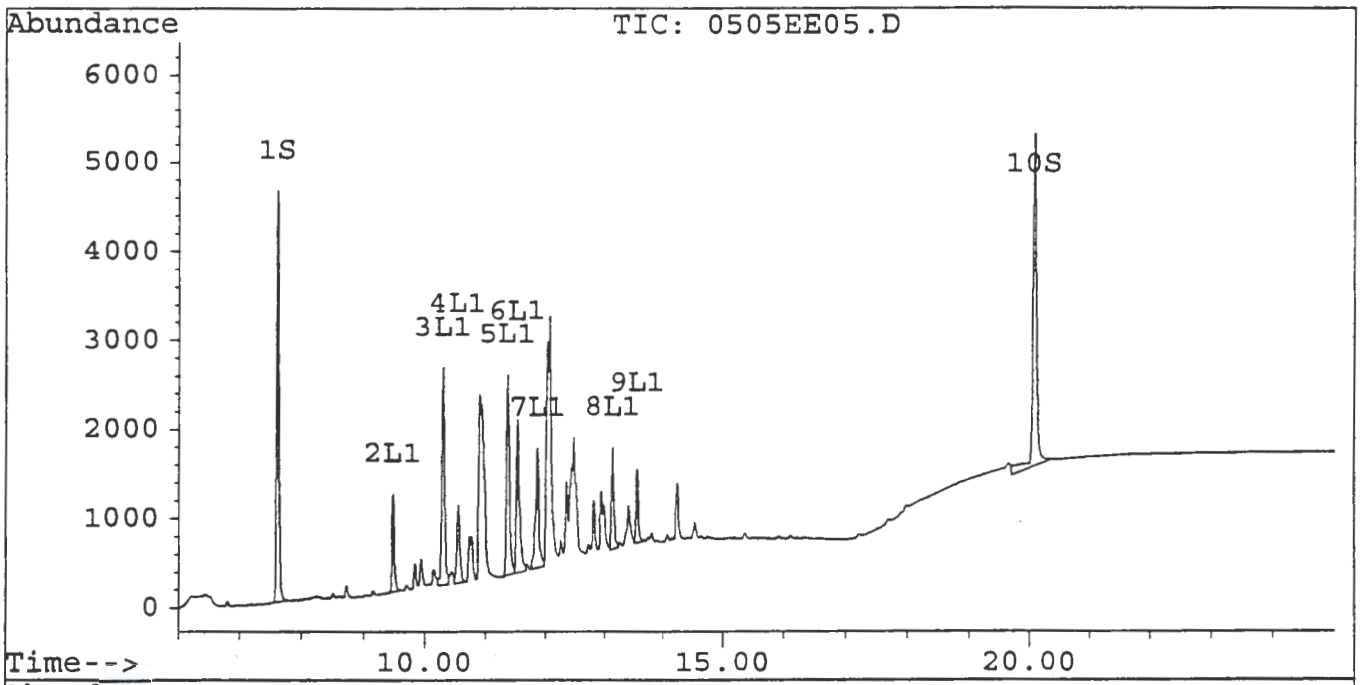
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

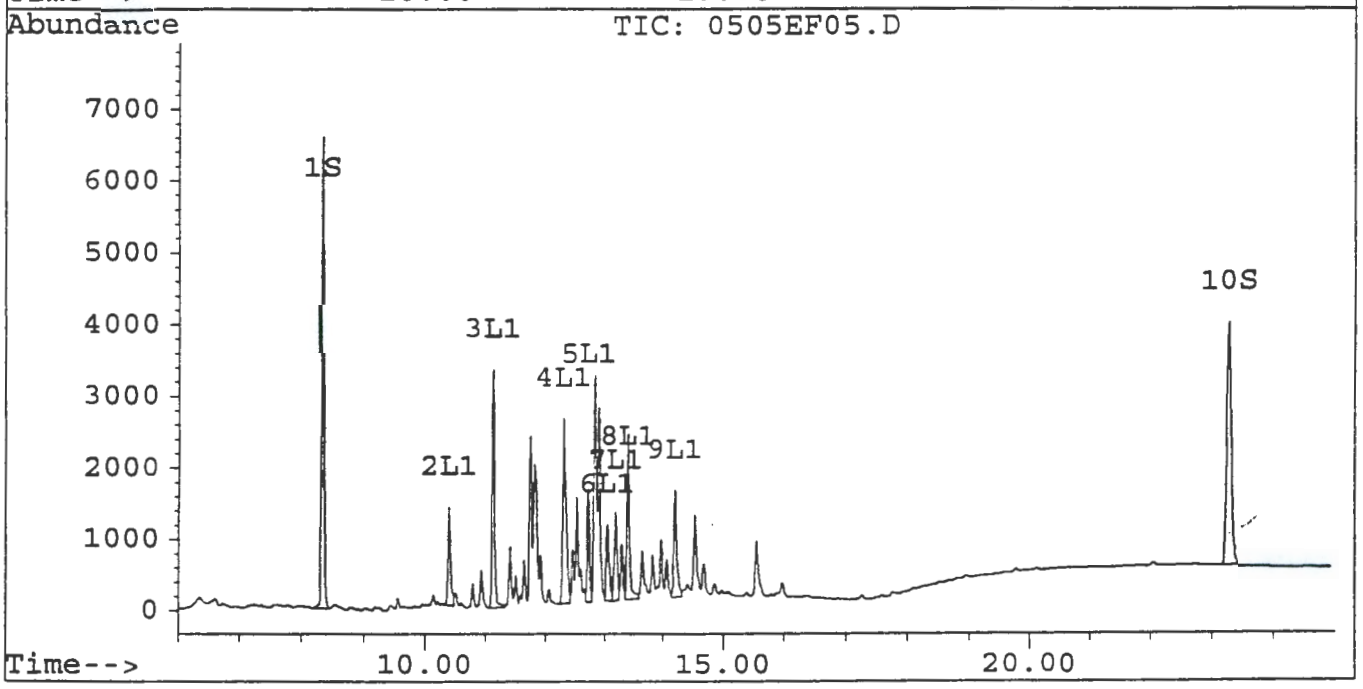
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE05.D\0505EF05.D
Acq On : 05 May 97 11:31 AM Operator: MBROWN
Sample : 1248 MX-B99-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:17 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE06.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE06.D\0505EF06.D
Acq On : 05 May 97 12:01 PM Operator: MBROWN
Sample : 1248 2ND SRC MX-A56-07 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:18 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	0.00	0.00	0	0	N.D.	N.D.
			Recovery	=	0.00%	0.00%
10) S Decachlorobiphenyl	20.07	0.00	66367	0	0.85	N.D. #
			Recovery	=	1.70%	0.00%
Target Compounds						
2) L1 Aroclor-1248	9.48	10.39	193404	249676	389.44	392.73
3) L1 Aroclor-1248 {2}	10.30	11.12	476160	561020	386.78	392.34
4) L1 Aroclor-1248 {3}	10.55	12.31	209919	620200	387.99	393.64
5) L1 Aroclor-1248 {4}	11.37	12.72	499366	285017	388.97	393.91
6) L1 Aroclor-1248 {5}	11.53	13.04	419774	245188	386.77	404.32
7) L1 Aroclor-1248 {6}	11.87	13.19	366647	268641	385.63	398.88
8) L1 Aroclor-1248 {7}	13.14	13.40	229493	465420	382.96	395.35
9) L1 Aroclor-1248 {8}	13.56	14.20	182554	334369	379.96	393.10
Total Aroclor-1248			2577318	3029531	3088.51	3164.29

5/7/97

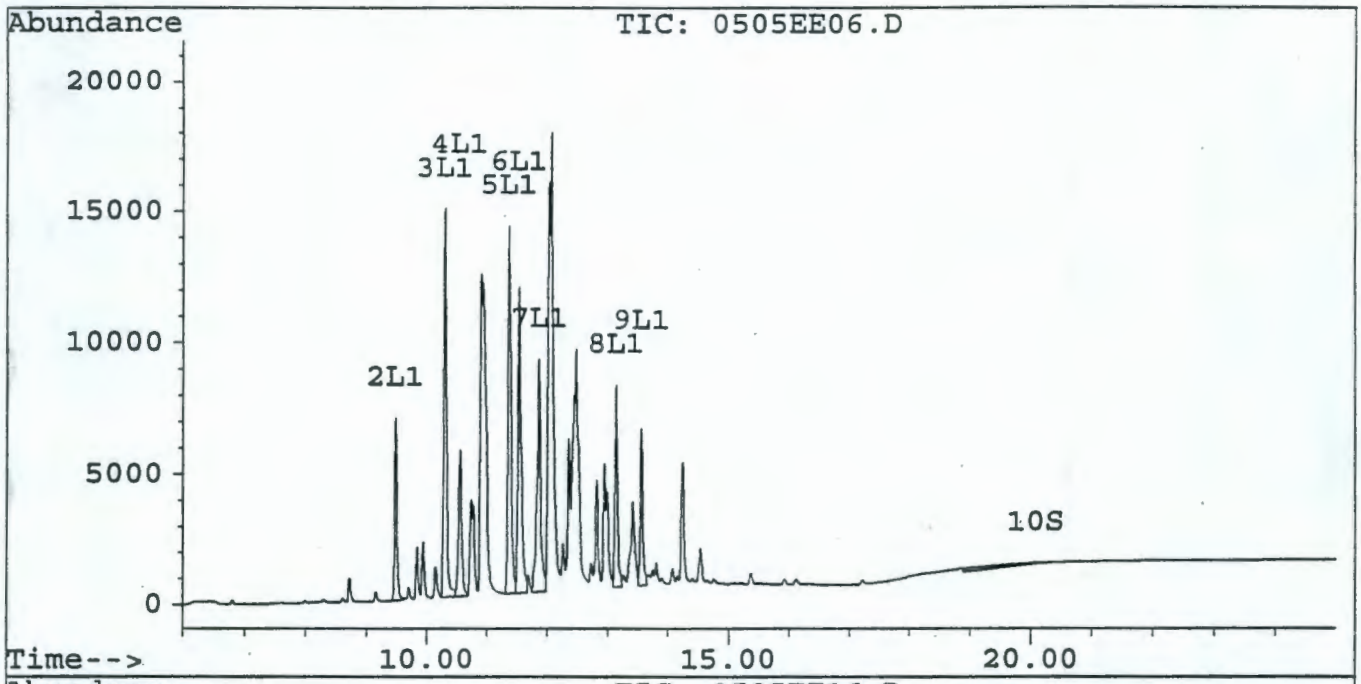
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

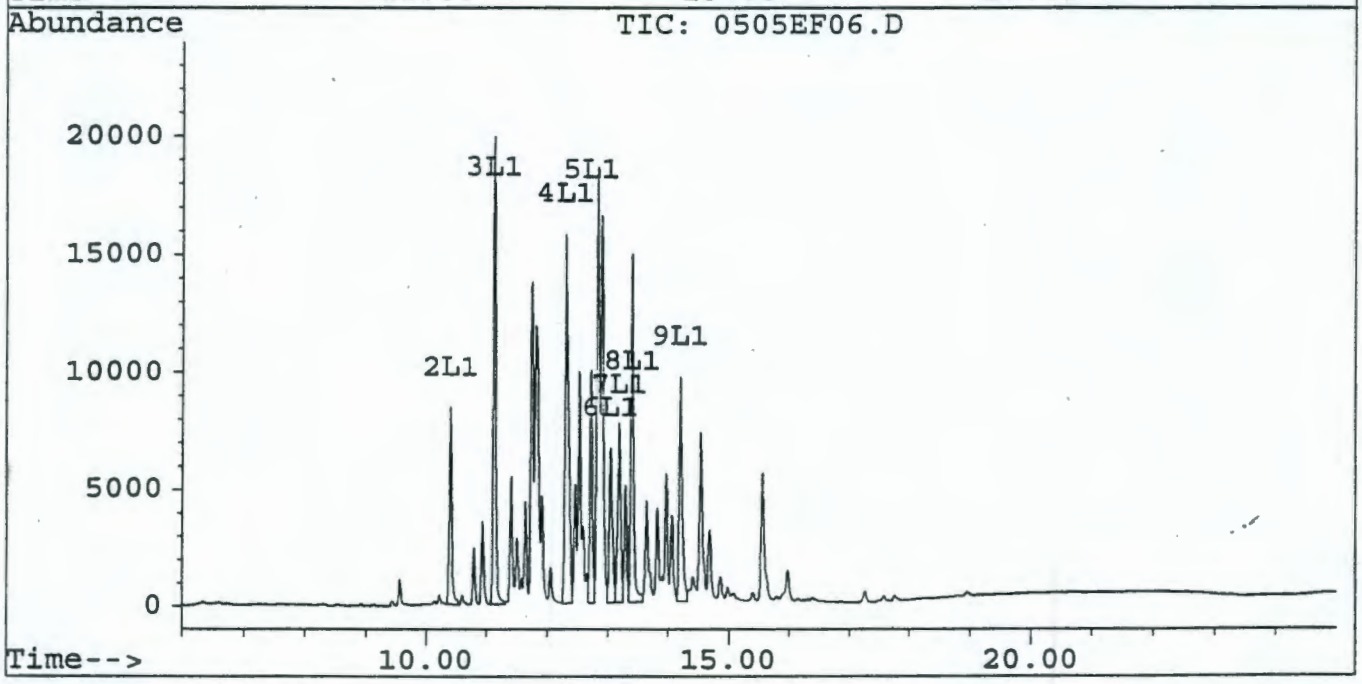
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE06.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE06.D\0505EF06.D
Acq On : 05 May 97 12:01 PM Operator: MBROWN
Sample : 1248 2ND SRC MX-A56-07 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 9:18 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE07.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE07.D\0505EF07.D
Acq On : 05 May 97 12:31 PM Operator: MBROWN
Sample : 1254 MX-C28-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:27 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.34	1469704	1874207	59.57	59.36
				Recovery	=	119.14%	118.72%
10)	S Decachlorobiphenyl	20.07	23.28	1487244	1743714	59.32	59.05
				Recovery	=	118.64%	118.10%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.31	1055329	276487	589.38	589.15
3)	L1 Aroclor-1254 {2}	12.82	13.04	334265	854857	588.99	588.59
4)	L1 Aroclor-1254 {3}	13.14	13.19	1017907	929068	591.22	587.92
5)	L1 Aroclor-1254 {4}	13.41	13.29	648797	390738	588.76	587.98
6)	L1 Aroclor-1254 {5}	13.56	13.82	724027	341968	590.67	587.04
7)	L1 Aroclor-1254 {6}	14.08	14.20	345209	1285067	589.56	589.64
8)	L1 Aroclor-1254 {7}	14.24	14.86	491197	674920	592.78	586.77
9)	L1 Aroclor-1254 {8}	14.53	15.97	1067369	1452887	592.33	591.89
Total	Aroclor-1254			5684100	6205991	4723.70	4708.98

5/7/97

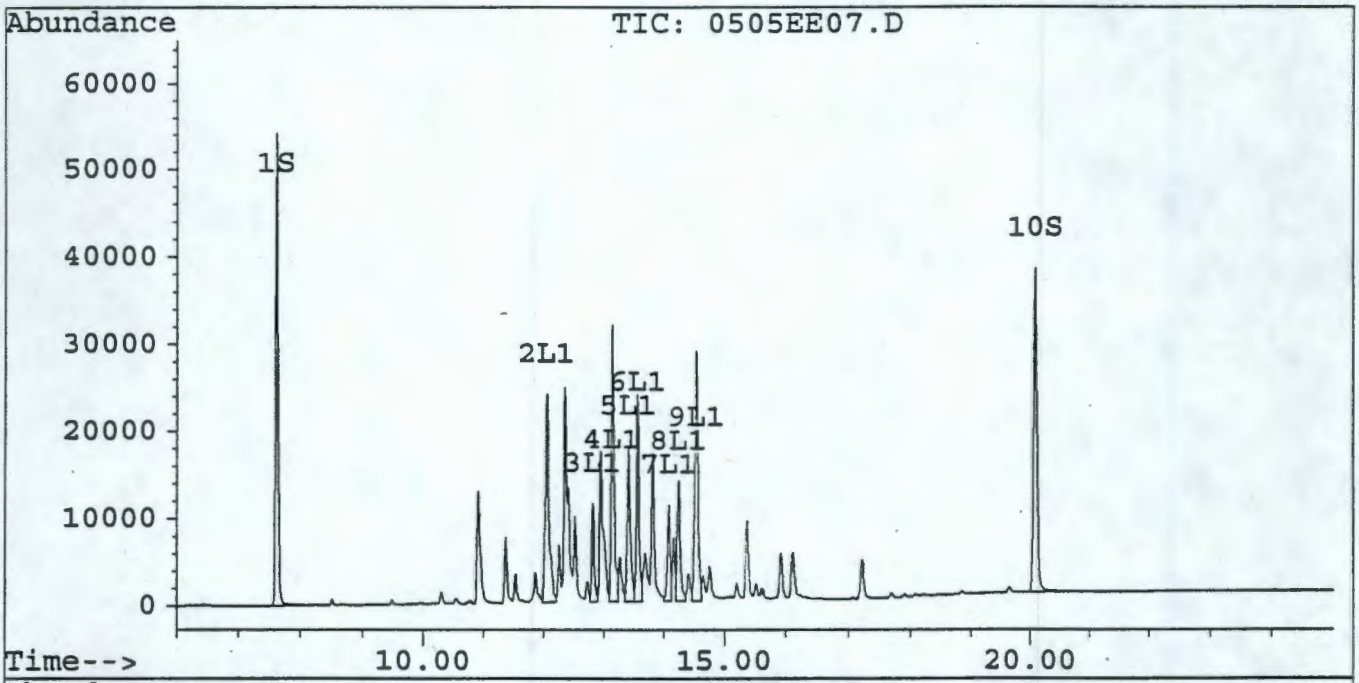
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

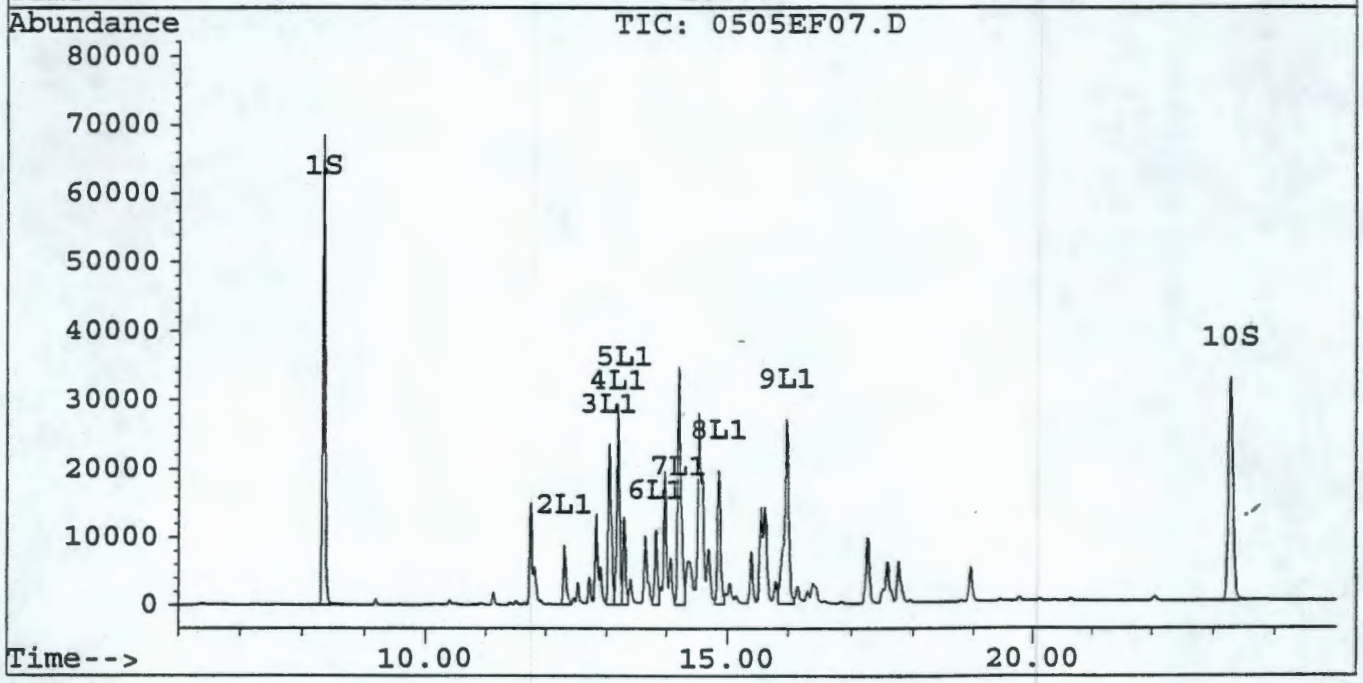
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE07.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE07.D\0505EF07.D
Acq On : 05 May 97 12:31 PM Operator: MBROWN
Sample : 1254 MX-C28-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:27 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE08.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE08.D\0505EF08.D
Acq On : 05 May 97 01:01 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:27 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	1005953	1304108	40.56	40.84
			Recovery	=	81.12%	81.68%
10) S Decachlorobiphenyl	20.08	23.29	1040236	1236591	40.75	41.14
			Recovery	=	81.50%	82.28%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	753956	197709	412.20	415.93
3) L1 Aroclor-1254 {2}	12.82	13.04	237788	615443	412.02	413.99
4) L1 Aroclor-1254 {3}	13.14	13.19	719166	670988	410.16	414.15
5) L1 Aroclor-1254 {4}	13.41	13.30	464724	280902	412.67	414.77
6) L1 Aroclor-1254 {5}	13.56	13.82	514069	245757	410.75	416.25
7) L1 Aroclor-1254 {6}	14.08	14.20	245855	914795	412.09	412.45
8) L1 Aroclor-1254 {7}	14.24	14.86	342864	486231	408.50	415.83
9) L1 Aroclor-1254 {8}	14.53	15.97	748574	1022172	409.26	410.78
Total Aroclor-1254			4026996	4433996	3287.64	3314.15

5/7/97
MJ

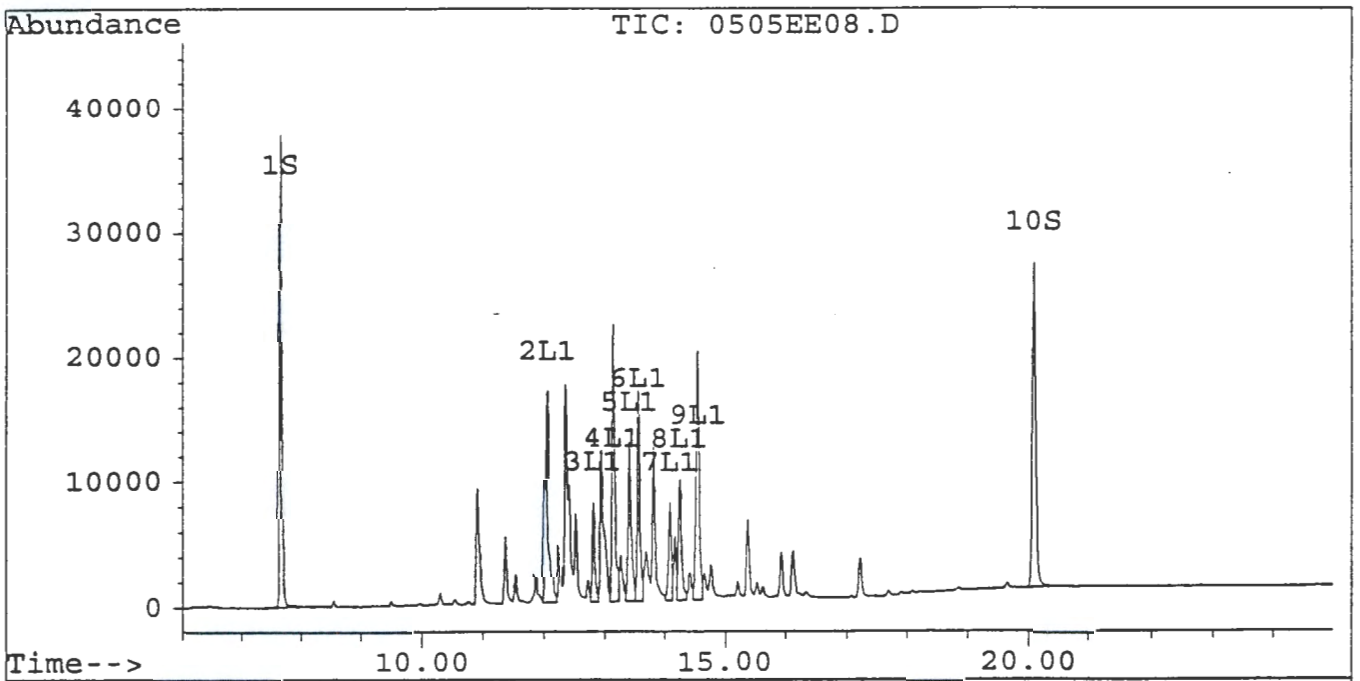
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

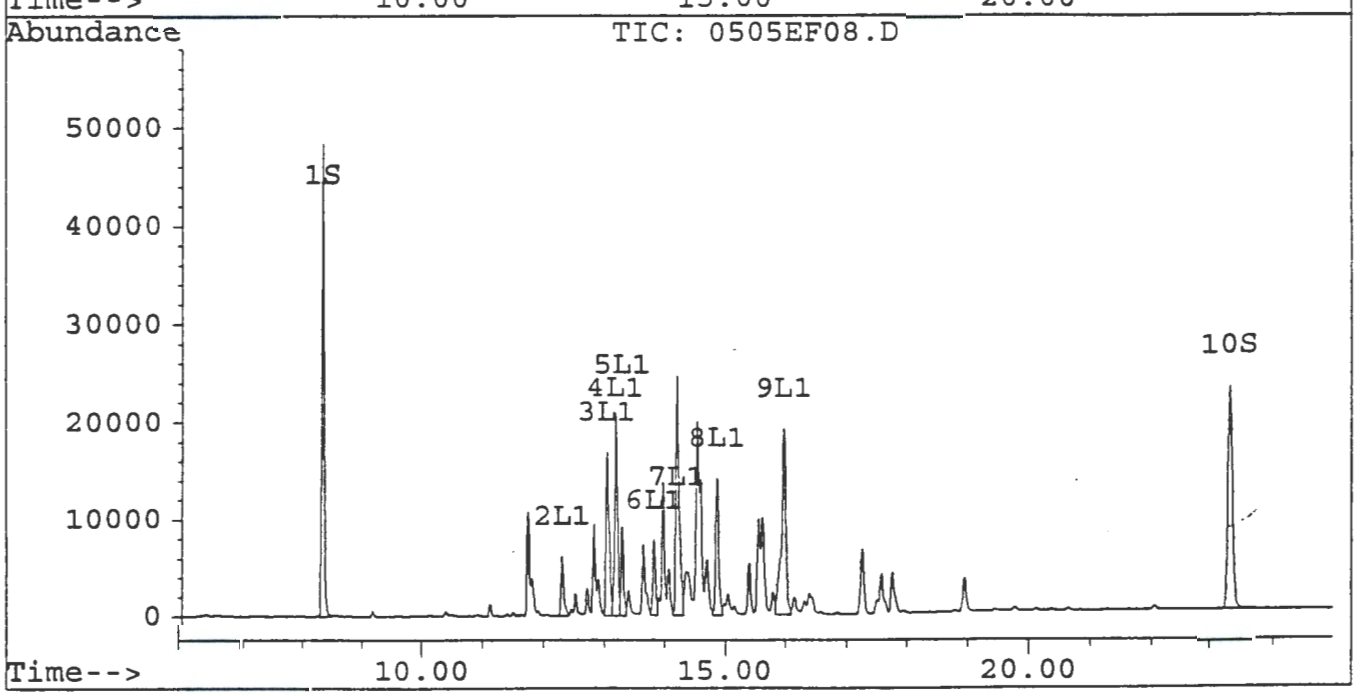
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE08.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE08.D\0505EF08.D
Acq On : 05 May 97 01:01 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:27 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE09.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE09.D\0505EF09.D
Acq On : 05 May 97 01:32 PM Operator: MBROWN
Sample : 1254 MX-C28-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	510356	673471	20.25	20.35
			Recovery	=	40.50%	40.70%
10) S Decachlorobiphenyl	20.08	23.29	554578	661077	20.58	20.83
			Recovery	=	41.16%	41.66%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	409452	100632	209.68	202.47
3) L1 Aroclor-1254 {2}	12.82	13.05	127725	334398	210.12	209.02
4) L1 Aroclor-1254 {3}	13.14	13.19	384747	369748	207.47	211.32
5) L1 Aroclor-1254 {4}	13.41	13.30	252998	151115	210.12	210.10
6) L1 Aroclor-1254 {5}	13.56	13.82	277113	129944	207.68	210.68
7) L1 Aroclor-1254 {6}	14.08	14.20	131754	490425	208.28	209.37
8) L1 Aroclor-1254 {7}	14.24	14.86	179054	262318	204.99	212.99
9) L1 Aroclor-1254 {8}	14.54	15.97	394040	531611	205.67	204.51
Total Aroclor-1254			2156884	2370191	1664.00	1670.45

5/7/97
mv

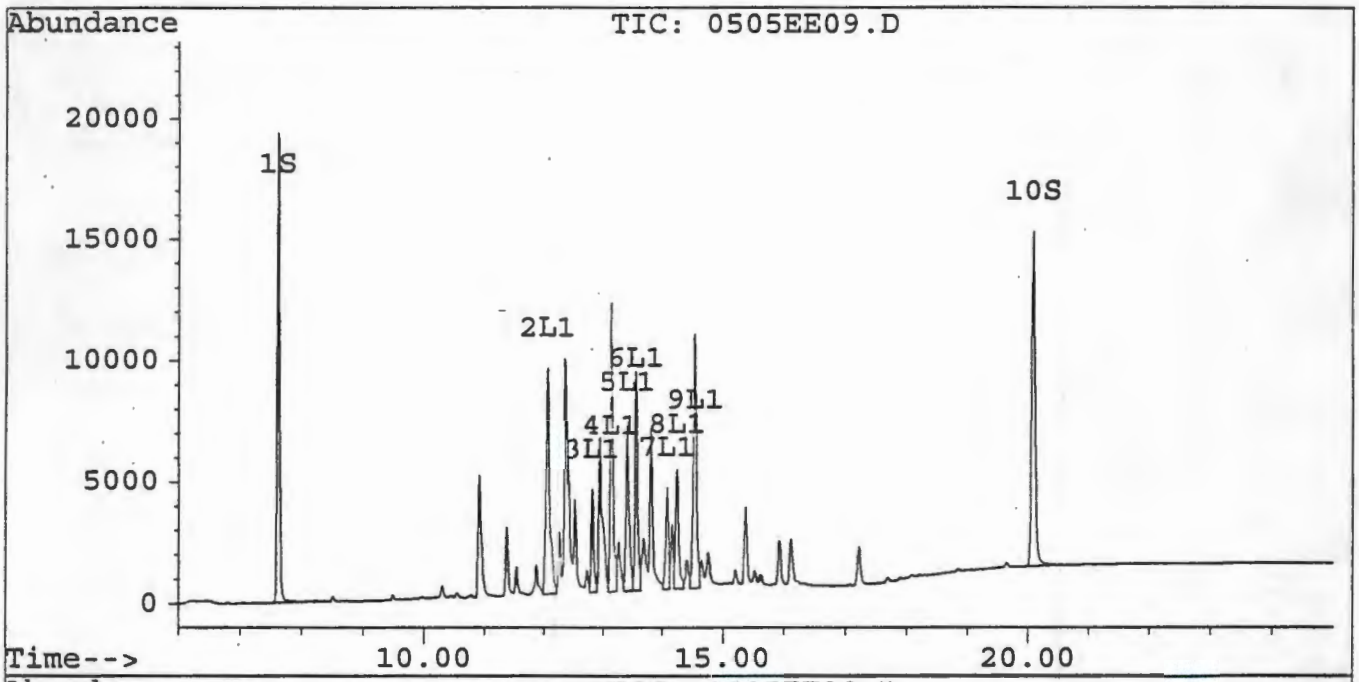
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

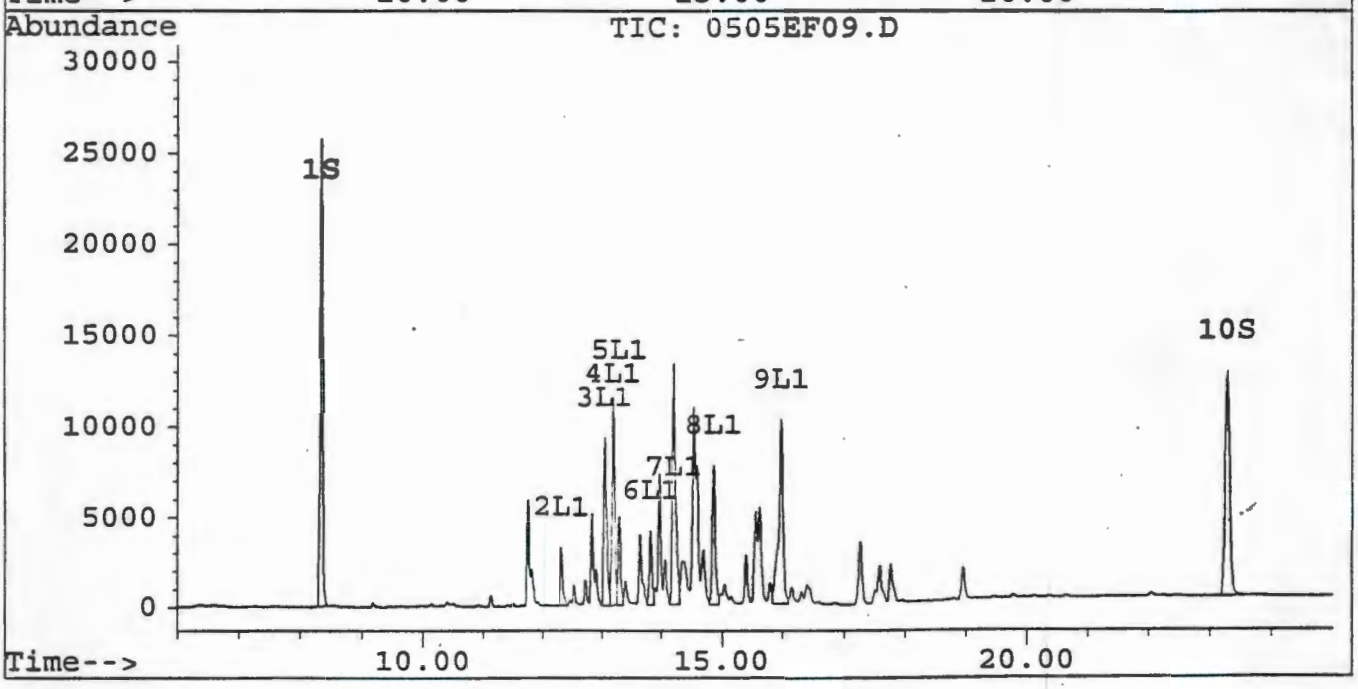
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE09.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE09.D\0505EF09.D
Acq On : 05 May 97 01:32 PM Operator: MBROWN
Sample : 1254 MX-C28-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE10.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE10.D\0505EF10.D
Acq On : 05 May 97 02:02 PM Operator: MBROWN
Sample : 1254 MX-C28-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	260324	357932	10.00	10.10
			Recovery	=	20.00%	20.20%
10) S Decachlorobiphenyl	20.08	23.29	312407	354786	10.52	10.01
			Recovery	=	21.04%	20.02%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	226999	54234	102.42	100.45
3) L1 Aroclor-1254 {2}	12.82	13.05	71302	185604	106.61	100.50
4) L1 Aroclor-1254 {3}	13.14	13.20	212556	204292	103.10	99.91
5) L1 Aroclor-1254 {4}	13.41	13.30	142645	80377	104.55	98.54
6) L1 Aroclor-1254 {5}	13.56	13.82	156497	65795	104.32	96.80
7) L1 Aroclor-1254 {6}	14.08	14.20	74143	259099	105.37	98.67
8) L1 Aroclor-1254 {7}	14.25	14.86	98529	132872	104.95	95.72
9) L1 Aroclor-1254 {8}	14.54	15.97	214388	283435	102.50	100.16
Total Aroclor-1254			1197060	1265707	833.83	790.76

5/7/97

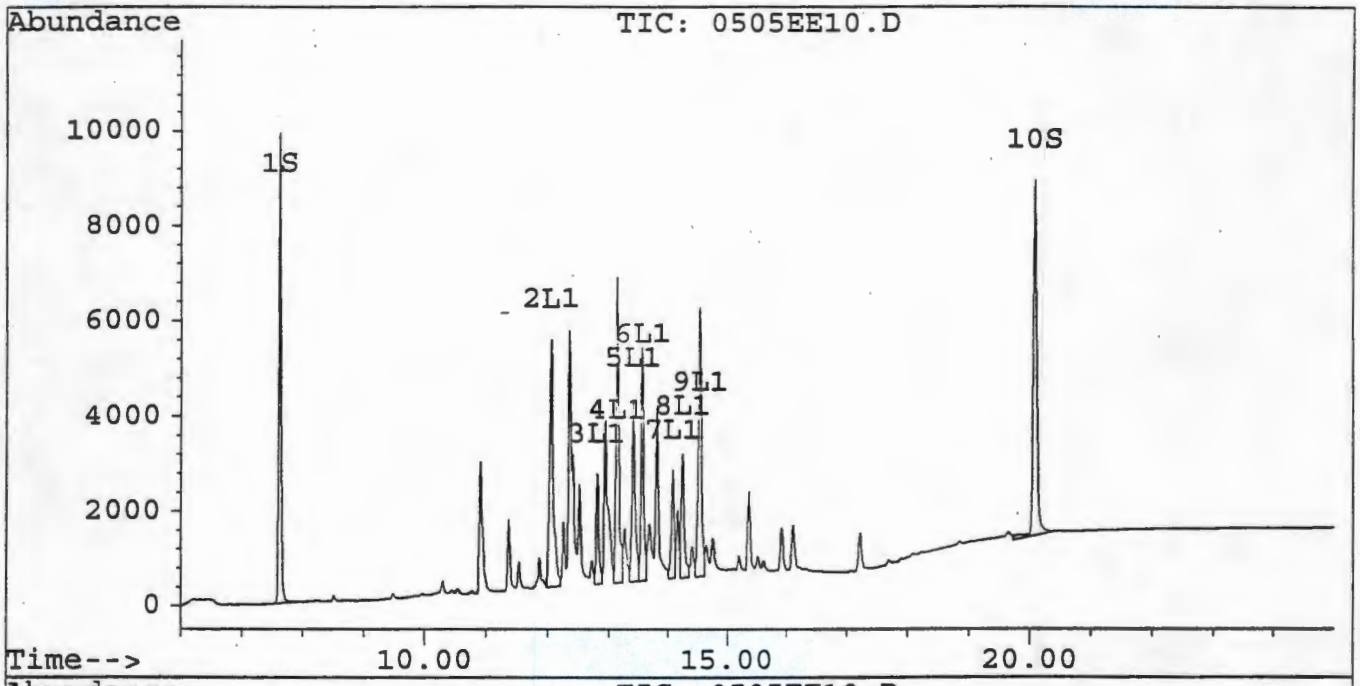
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

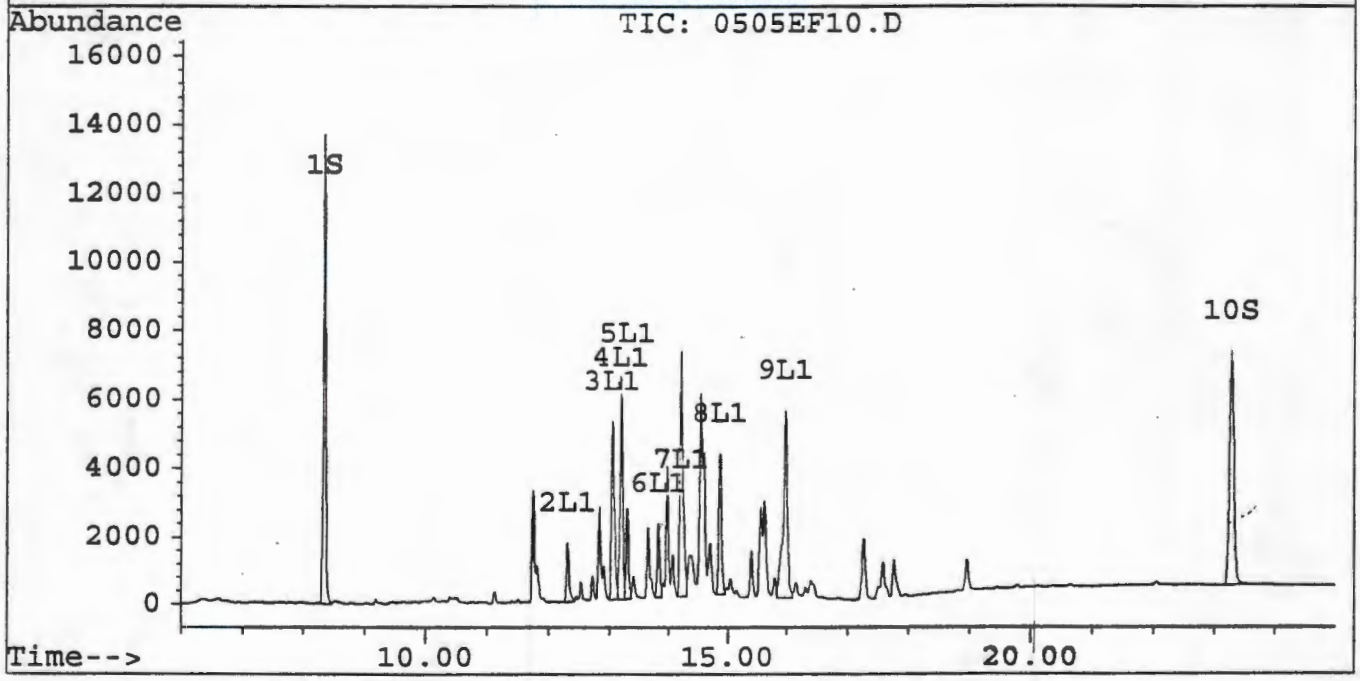
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE10.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE10.D\0505EF10.D
Acq On : 05 May 97 02:02 PM Operator: MBROWN
Sample : 1254 MX-C28-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE11.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE11.D\0505EF11.D
Acq On : 05 May 97 02:32 PM Operator: MBROWN
Sample : 1254 MX-C28-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.34	128924	181200	4.61	4.35
				Recovery	=	9.22%	8.70%
10)	S Decachlorobiphenyl	20.08	23.29	151701	183728	3.84	3.97
				Recovery	=	7.68%	7.94%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.31	114584	27650	36.33	42.00
3)	L1 Aroclor-1254 {2}	12.82	13.05	30769	99773	32.26	37.90
4)	L1 Aroclor-1254 {3}	13.14	13.20	105237	110417	38.06	36.70
5)	L1 Aroclor-1254 {4}	13.41	13.30	68796	42373	33.90	38.61
6)	L1 Aroclor-1254 {5}	13.57	13.83	77447	33360	36.58	39.23
7)	L1 Aroclor-1254 {6}	14.08	14.21	34575	136243	34.70	39.87
8)	L1 Aroclor-1254 {7}	14.25	14.86	45262	69923	38.78	38.69
9)	L1 Aroclor-1254 {8}	14.54	15.97	105960	146658	40.24	42.65
Total	Aroclor-1254			582630	666396	290.83	315.66

5/7/97 mj

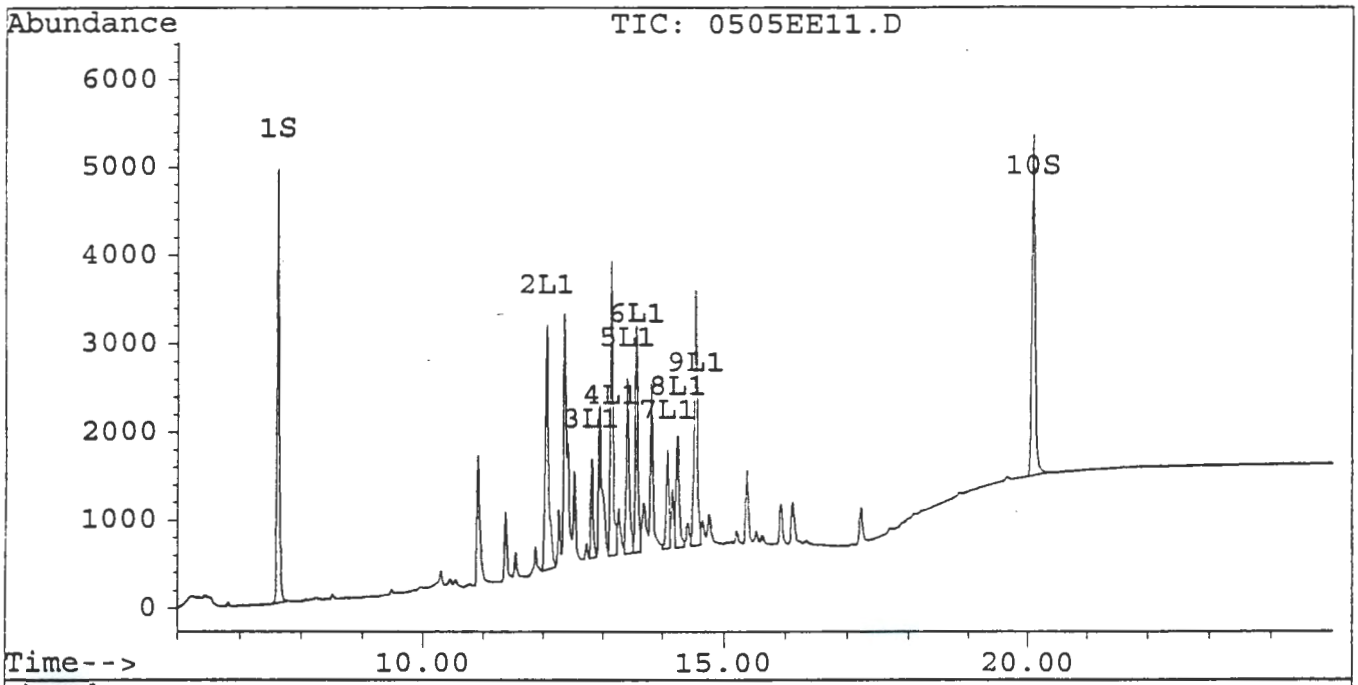
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

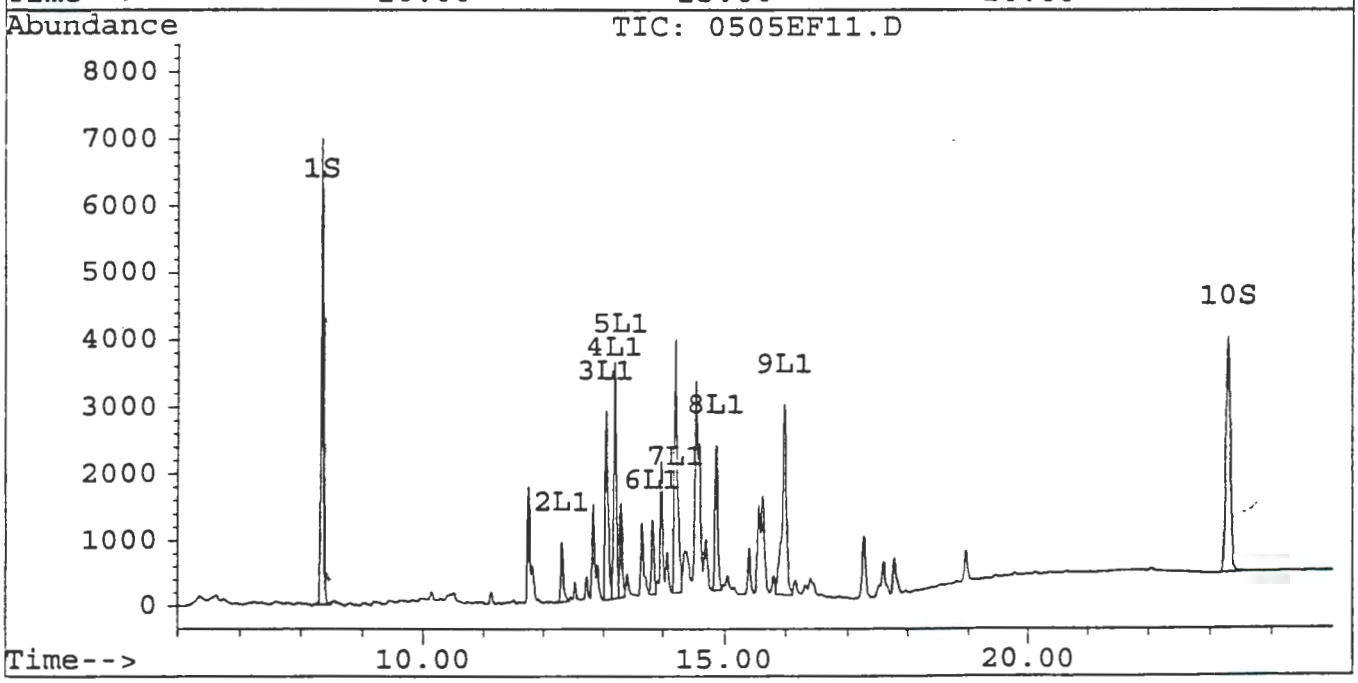
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE11.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE11.D\0505EF11.D
Acq On : 05 May 97 02:32 PM Operator: MBROWN
Sample : 1254 MX-C28-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE12.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE12.D\0505EF12.D
Acq On : 05 May 97 03:02 PM Operator: MBROWN
Sample : 1254 2ND SRC MX-A54-09 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	0.00	0.00	0	0	N.D.	N.D.
			Recovery	=	0.00%	0.00%
10) S Decachlorobiphenyl	20.08	0.00	56511	0	N.D.	N.D.
			Recovery	=	0.00%	0.00%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	738600	188172	403.18	394.96
3) L1 Aroclor-1254 {2}	12.82	13.05	232733	584780	402.74	391.62
4) L1 Aroclor-1254 {3}	13.14	13.19	684080	639540	388.89	392.97
5) L1 Aroclor-1254 {4}	13.41	13.30	418372	277372	368.33	409.20
6) L1 Aroclor-1254 {5}	13.56	13.82	499266	237699	398.06	401.95
7) L1 Aroclor-1254 {6}	14.08	14.20	211753	869650	351.18	390.85
8) L1 Aroclor-1254 {7}	14.24	14.86	329012	407522	391.29	344.53
9) L1 Aroclor-1254 {8}	14.54	15.97	635923	861352	344.57	343.16
Total Aroclor-1254			3749738	4066087	3048.23	3069.25

5/7/97
MW

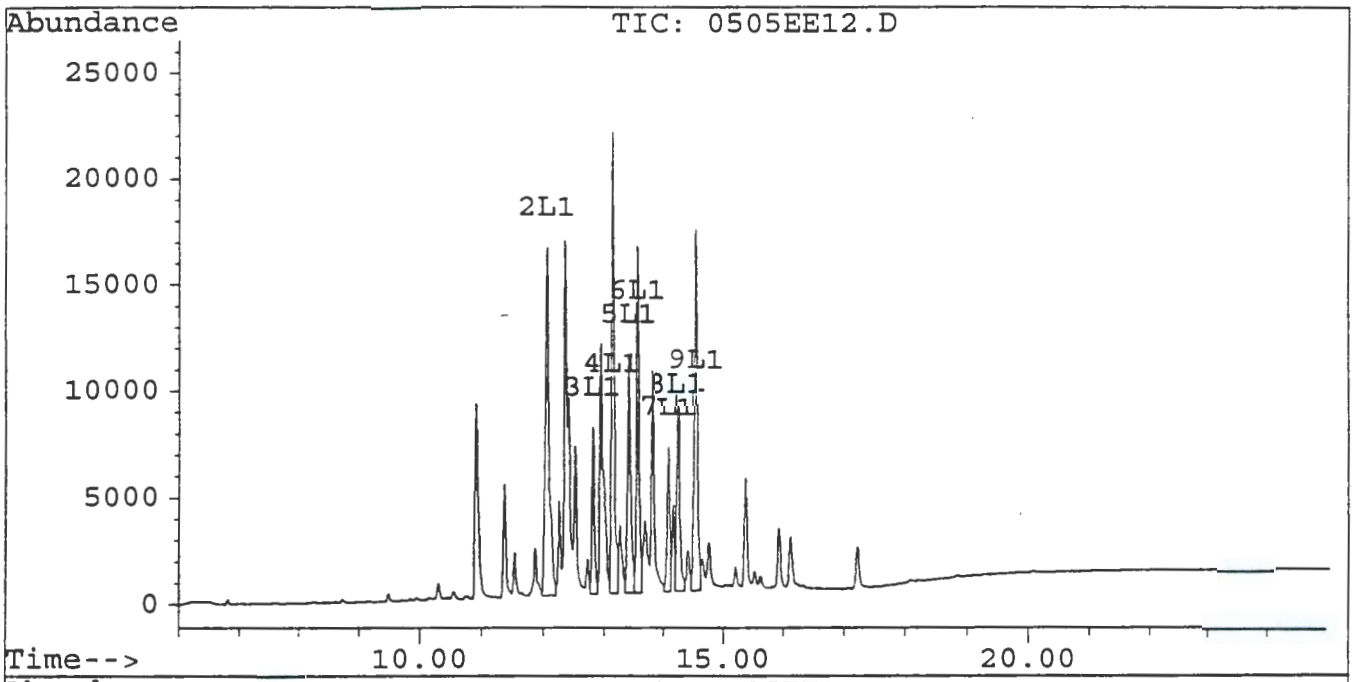
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

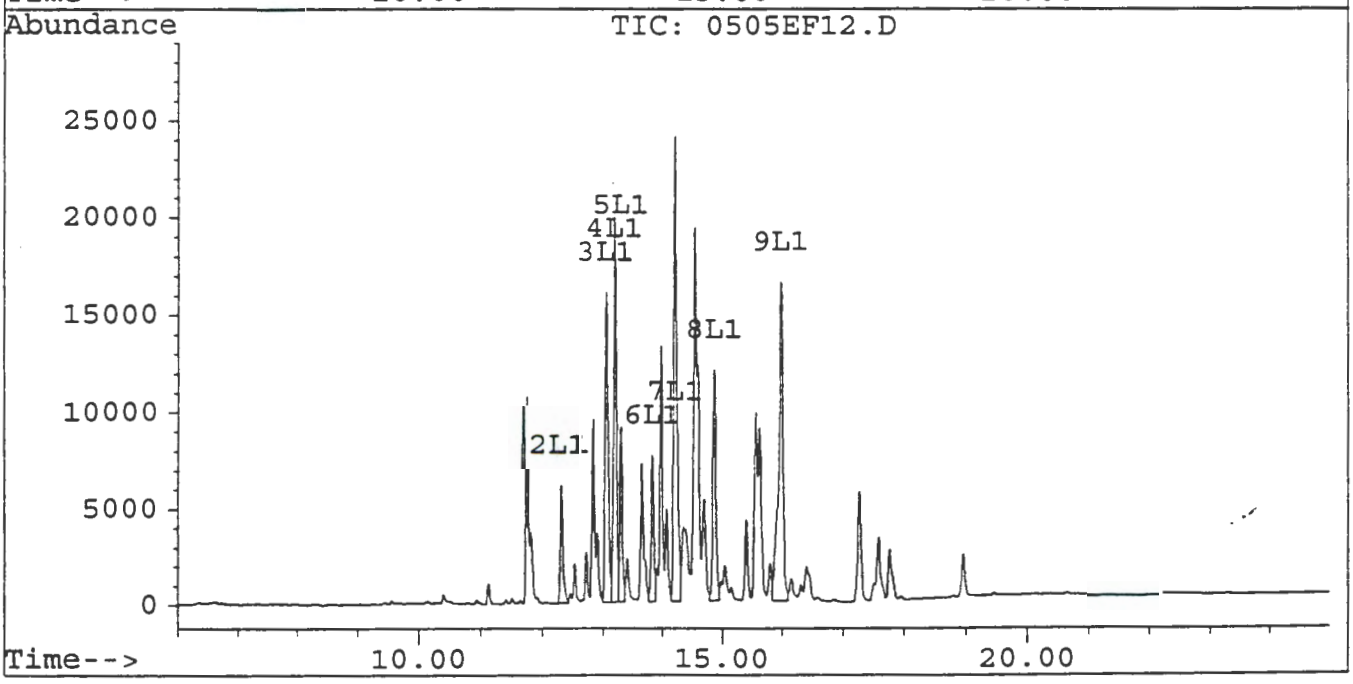
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE12.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE12.D\0505EF12.D
Acq On : 05 May 97 03:02 PM Operator: MBROWN
Sample : 1254 2ND SRC MX-A54-09 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:28 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE13.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE13.D\0505EF13.D
Acq On : 05 May 97 03:32 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:54 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	1402560	1789984	60.17	59.81
			Recovery	=	120.34%	119.62%
18) S Decachlorobiphenyl	20.08	23.29	1399579	1651484	59.85	59.76
			Recovery	=	119.70%	119.52%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	372249	430594	598.51	595.08
3) L1 Aroclor-1016 {2}	9.48	10.39	665224	843675	596.09	595.09
4) L1 Aroclor-1016 {3}	9.84	10.79	193580	244325	600.18	603.73
5) L1 Aroclor-1016 {4}	9.94	10.93	298342	542934	596.66	599.22
6) L1 Aroclor-1016 {5}	10.30	11.12	1279733	1459090	597.04	596.61
7) L1 Aroclor-1016 {6}	10.55	11.41	629435	589659	596.83	617.54
8) L1 Aroclor-1016 {7}	10.74	11.65	471889	404737	598.69	603.85
9) L1 Aroclor-1016 {8}	11.37	12.31	595643	769256	598.39	597.32
Total Aroclor-1016			4506094	5284270	4782.39	4808.45
10) ML2 Aroclor-1260	13.41	14.59	775578	1034788	595.10	597.59
11) ML2 Aroclor-1260 {2}	13.81	14.86	947328	1170481	595.45	598.92
12) ML2 Aroclor-1260 {3}	14.07	15.39	519869	500013	595.44	601.60
13) ML2 Aroclor-1260 {4}	14.17	16.15	522646	933419	597.61	597.36
14) ML2 Aroclor-1260 {5}	15.37	17.25	763971	1002855	599.02	598.81
15) ML2 Aroclor-1260 {6}	16.11	17.76	1534750	1848876	602.07	598.89
16) ML2 Aroclor-1260 {7}	17.23	18.96	1253106	1414402	601.48	600.82
17) ML2 Aroclor-1260 {8}	18.85	20.64	440031	513421	603.15	602.30
Total Aroclor-1260			6757280	8418255	4789.32	4796.27

5/7/97

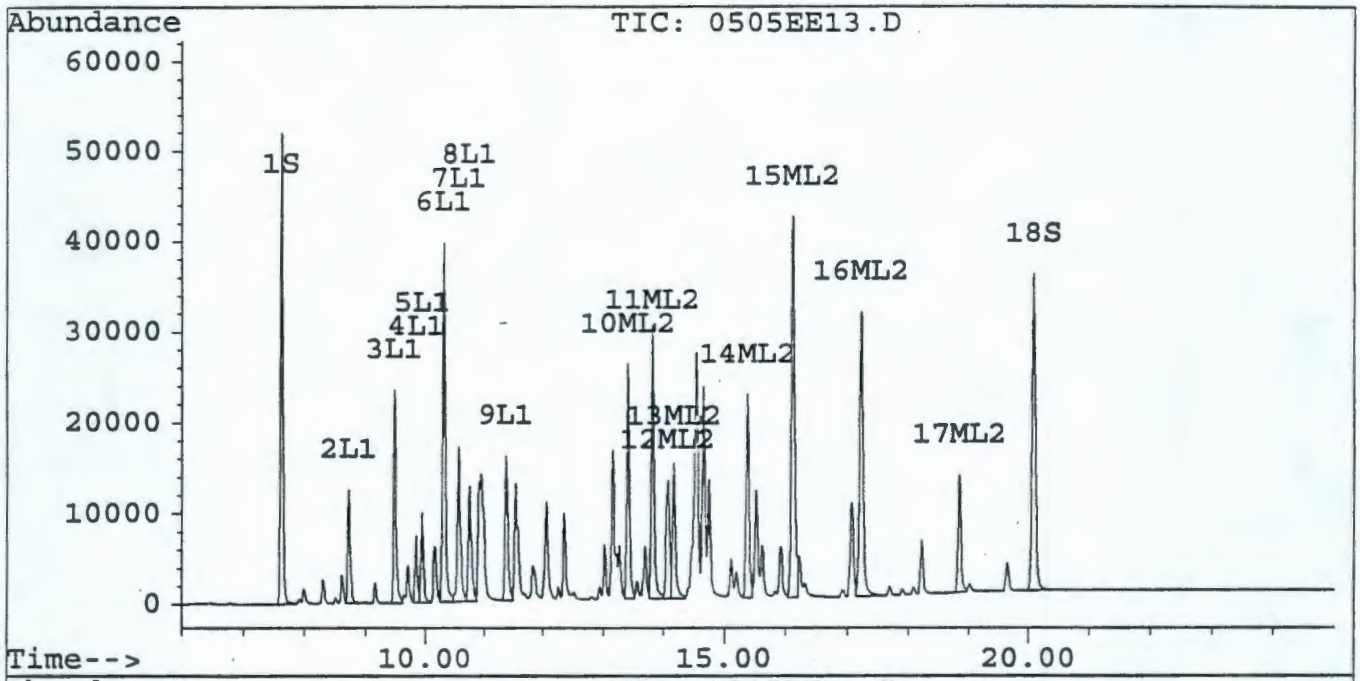
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

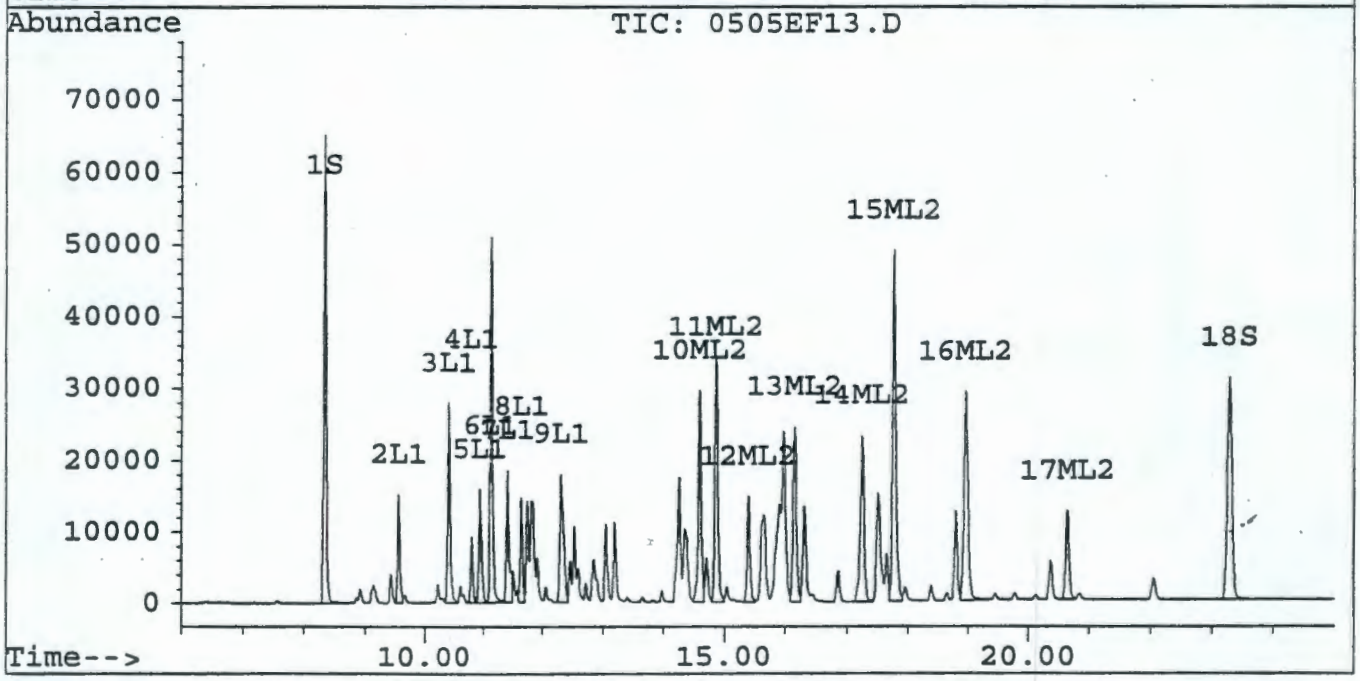
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE13.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE13.D\0505EF13.D
Acq On : 05 May 97 03:32 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 30% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:54 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE14.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE14.D\0505EF14.D
Acq On : 05 May 97 04:02 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:54 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	926832	1211339	39.70	40.10
			Recovery	=	79.40%	80.20%
18) S Decachlorobiphenyl	20.08	23.29	947125	1124343	39.98	40.08
			Recovery	=	79.96%	80.16%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	252964	298971	399.10	403.54
3) L1 Aroclor-1016 {2}	9.48	10.39	458929	588671	402.14	403.26
4) L1 Aroclor-1016 {3}	9.84	10.79	129116	160412	398.19	393.17
5) L1 Aroclor-1016 {4}	9.94	10.93	203413	367099	402.12	398.31
6) L1 Aroclor-1016 {5}	10.30	11.12	877018	1005860	401.29	401.35
7) L1 Aroclor-1016 {6}	10.55	11.41	429914	356953	401.98	370.85
8) L1 Aroclor-1016 {7}	10.74	11.65	318159	265908	400.25	392.25
9) L1 Aroclor-1016 {8}	11.37	12.31	403946	526773	400.56	401.27
Total Aroclor-1016			3073459	3570646	3205.63	3164.00
10) ML2 Aroclor-1260	13.41	14.59	538475	710006	403.17	400.17
11) ML2 Aroclor-1260 {2}	13.81	14.86	654987	796991	402.63	398.33
12) ML2 Aroclor-1260 {3}	14.07	15.39	358105	332600	402.81	398.13
13) ML2 Aroclor-1260 {4}	14.17	16.15	353446	641057	399.76	405.08
14) ML2 Aroclor-1260 {5}	15.37	17.25	515049	678274	399.22	399.69
15) ML2 Aroclor-1260 {6}	16.11	17.76	1014681	1249666	395.86	399.47
16) ML2 Aroclor-1260 {7}	17.23	18.96	831001	943360	396.59	397.38
17) ML2 Aroclor-1260 {8}	18.85	20.64	288498	338501	395.47	395.46
Total Aroclor-1260			4554242	5690455	3195.51	3193.70

5/7/97

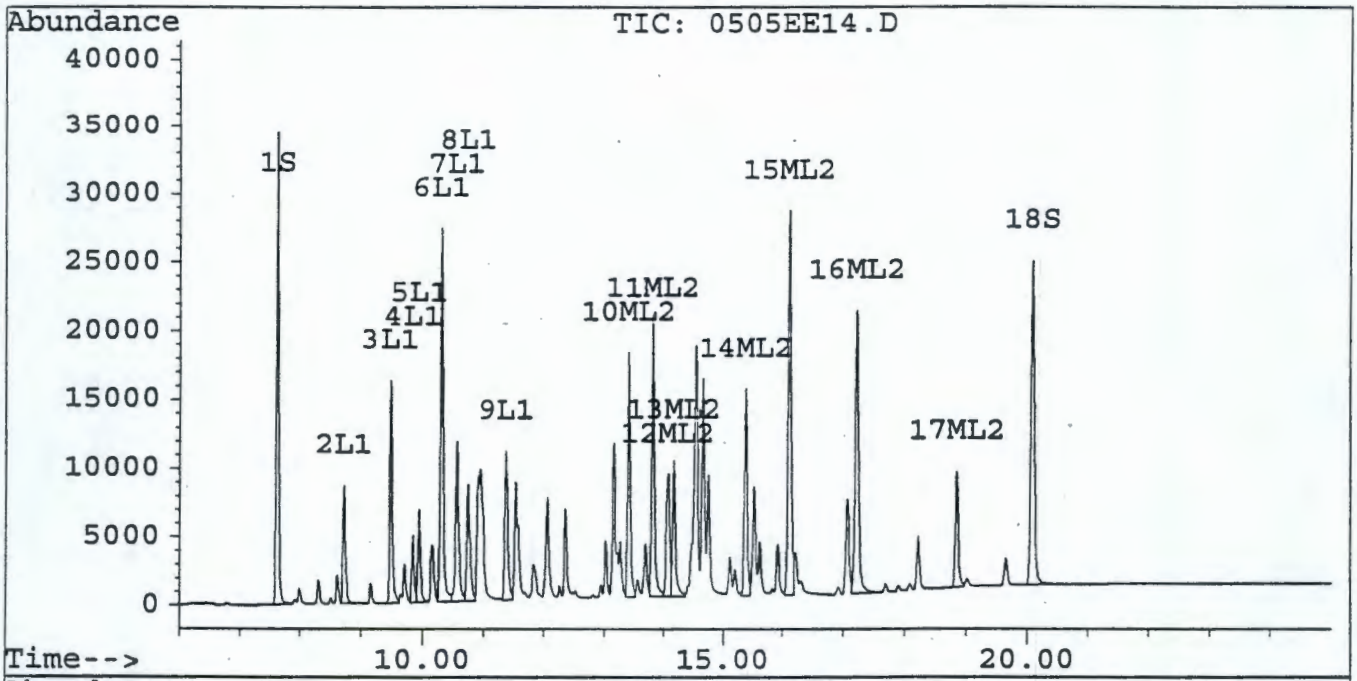
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

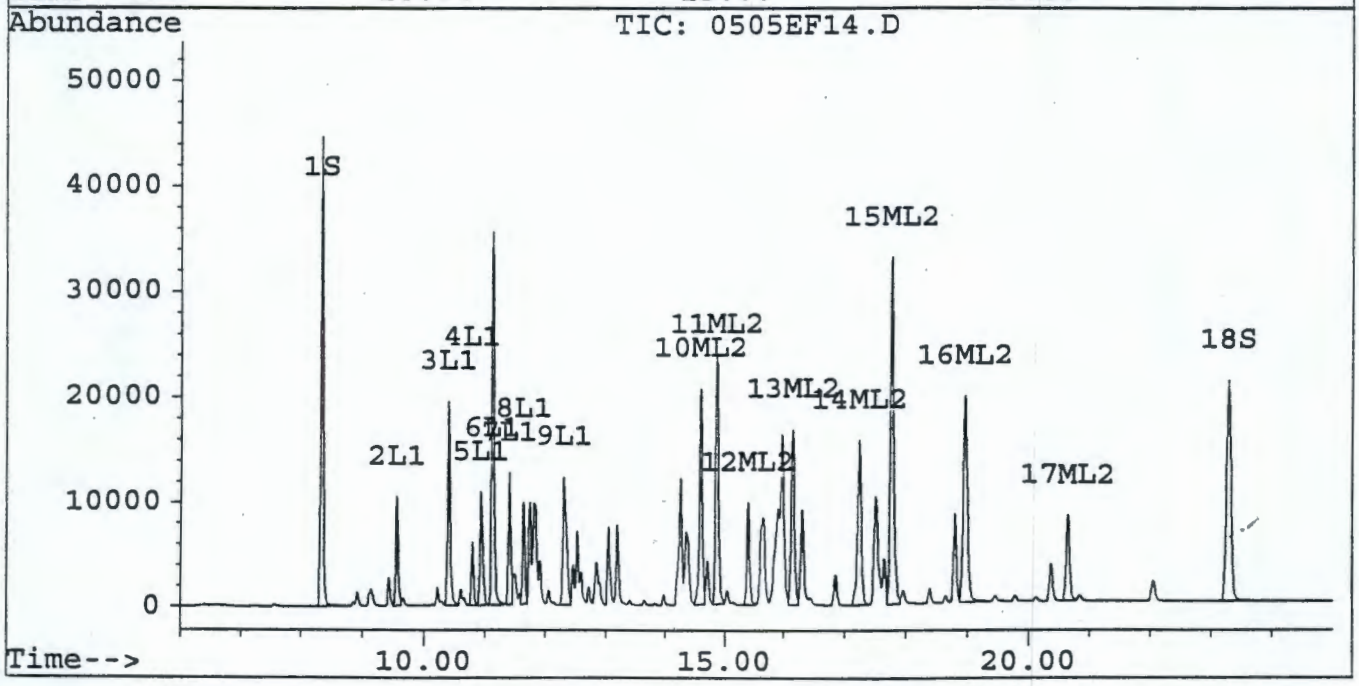
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE14.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE14.D\0505EF14.D
Acq On : 05 May 97 04:02 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:54 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE15.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE15.D\0505EF15.D
Acq On : 05 May 97 04:32 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	469281	634264	20.02	20.43
			Recovery	=	40.04%	40.86%
18) S Decachlorobiphenyl	20.08	23.29	503768	602979	20.51	20.61
			Recovery	=	41.02%	41.22%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	137768	165211	206.53	208.89
3) L1 Aroclor-1016 {2}	9.48	10.39	252966	331047	208.51	209.46
4) L1 Aroclor-1016 {3}	9.84	10.79	66827	83892	203.01	201.15
5) L1 Aroclor-1016 {4}	9.94	10.93	108259	198669	207.12	205.86
6) L1 Aroclor-1016 {5}	10.30	11.12	476807	557678	206.76	208.27
7) L1 Aroclor-1016 {6}	10.55	11.41	229654	196984	206.40	201.27
8) L1 Aroclor-1016 {7}	10.74	11.65	165715	141537	203.47	202.68
9) L1 Aroclor-1016 {8}	11.37	12.31	212857	285008	203.36	205.80
Total Aroclor-1016			1650853	1960026	1645.16	1643.38
10) ML2 Aroclor-1260	13.41	14.59	299298	393055	209.57	207.51
11) ML2 Aroclor-1260 {2}	13.81	14.86	362420	440464	209.66	206.85
12) ML2 Aroclor-1260 {3}	14.07	15.39	195691	167790	209.40	197.82
13) ML2 Aroclor-1260 {4}	14.17	16.15	190046	325296	208.68	197.41
14) ML2 Aroclor-1260 {5}	15.37	17.25	273074	359989	205.00	204.43
15) ML2 Aroclor-1260 {6}	16.11	17.76	524724	663954	201.60	204.54
16) ML2 Aroclor-1260 {7}	17.23	18.96	429512	491952	201.71	202.43
17) ML2 Aroclor-1260 {8}	18.85	20.64	144338	174004	197.90	200.94
Total Aroclor-1260			2419103	3016504	1643.51	1621.93

5/7/97

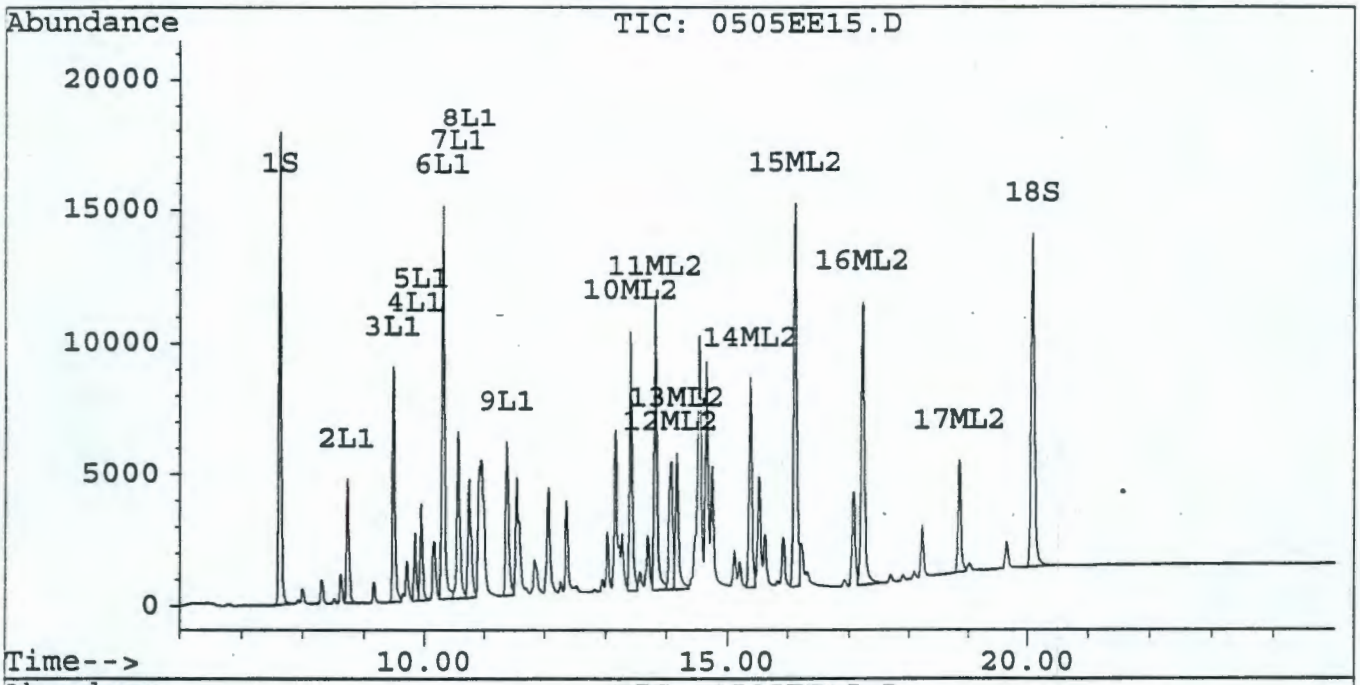
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

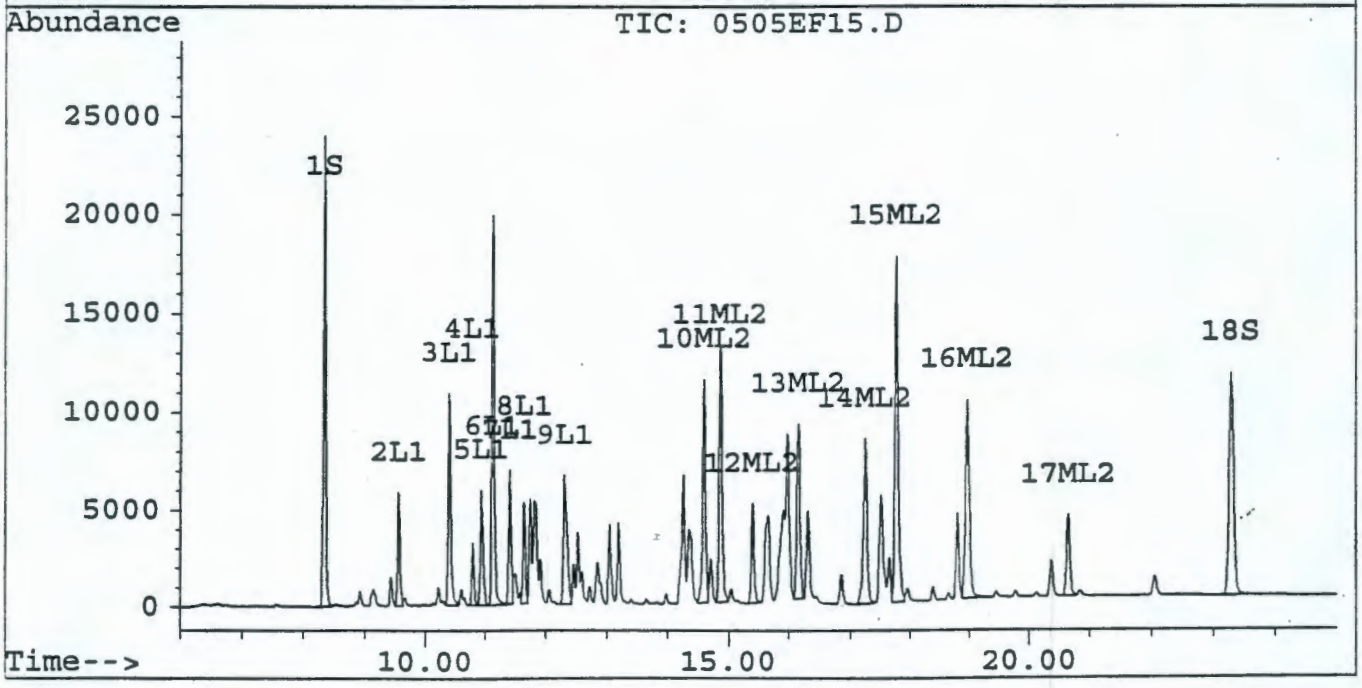
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE15.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE15.D\0505EF15.D
Acq On : 05 May 97 04:32 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 10% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE16.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE16.D\0505EF16.D
Acq On : 05 May 97 05:02 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	239947	330671	10.15	10.09
			Recovery	=	20.30%	20.18%
18) S Decachlorobiphenyl	20.08	23.29	269901	325312	10.23	10.24
			Recovery	=	20.46%	20.48%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	75932	92177	103.15	102.61
3) L1 Aroclor-1016 {2}	9.48	10.39	140261	189282	102.55	102.82
4) L1 Aroclor-1016 {3}	9.84	10.79	34457	44923	101.59	103.37
5) L1 Aroclor-1016 {4}	9.94	10.93	56234	108495	100.51	102.82
6) L1 Aroclor-1016 {5}	10.30	11.13	263868	313339	103.26	103.00
7) L1 Aroclor-1016 {6}	10.55	11.41	122554	108309	101.80	107.27
8) L1 Aroclor-1016 {7}	10.74	11.65	87320	76687	102.28	103.84
9) L1 Aroclor-1016 {8}	11.37	12.31	116303	158053	103.72	103.16
Total Aroclor-1016			896929	1091266	818.85	828.88
10) ML2 Aroclor-1260	13.41	14.59	167613	220852	102.97	102.84
11) ML2 Aroclor-1260 {2}	13.81	14.86	200152	247190	102.63	103.04
12) ML2 Aroclor-1260 {3}	14.07	15.39	105722	88982	102.26	102.04
13) ML2 Aroclor-1260 {4}	14.17	16.15	98728	179192	101.90	101.32
14) ML2 Aroclor-1260 {5}	15.37	17.25	143903	193054	101.32	102.02
15) ML2 Aroclor-1260 {6}	16.11	17.76	272157	356705	101.45	102.28
16) ML2 Aroclor-1260 {7}	17.23	18.96	225110	259550	102.49	102.06
17) ML2 Aroclor-1260 {8}	18.85	20.64	75366	91773	103.37	103.71
Total Aroclor-1260			1288752	1637298	818.40	819.31

5/7/97

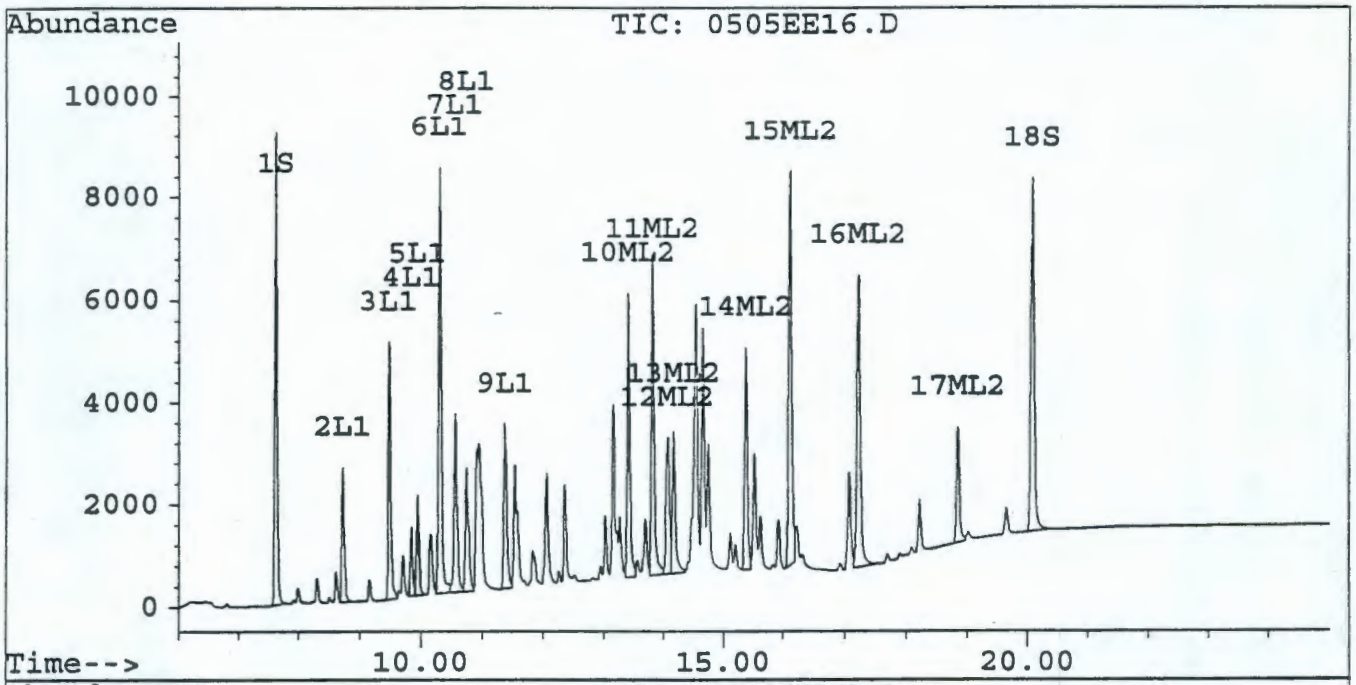
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

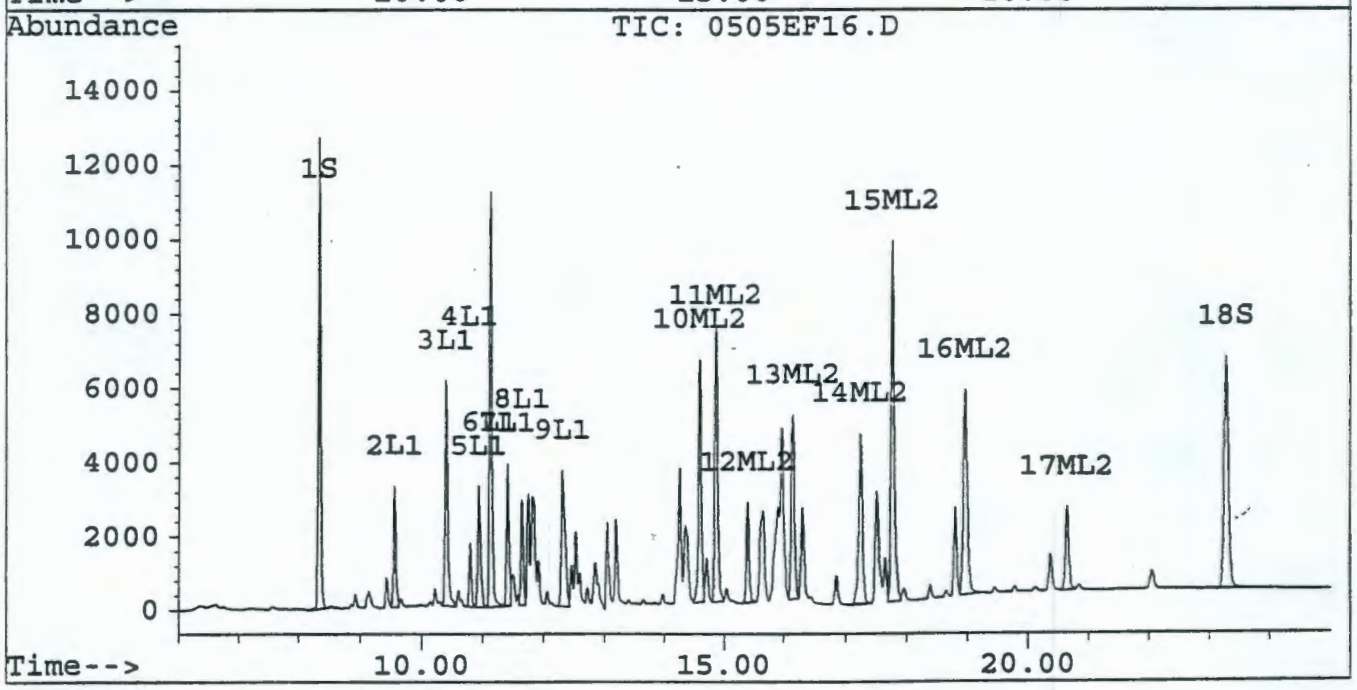
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE16.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE16.D\0505EF16.D
Acq On : 05 May 97 05:02 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE17.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE17.D\0505EF17.D
Acq On : 05 May 97 05:33 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	119163	168612	4.96	4.57
			Recovery	=	9.92%	9.14%
18) S Decachlorobiphenyl	20.08	23.29	137764	166718	4.43	4.31
			Recovery	=	8.86%	8.62%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	39778	49066	42.72	39.87
3) L1 Aroclor-1016 {2}	9.48	10.39	74493	104926	40.72	39.37
4) L1 Aroclor-1016 {3}	9.84	10.79	17043	23090	47.02	48.58
5) L1 Aroclor-1016 {4}	9.94	10.93	28455	56832	43.58	43.79
6) L1 Aroclor-1016 {5}	10.30	11.12	137138	168897	41.66	40.77
7) L1 Aroclor-1016 {6}	10.55	11.41	62344	57181	43.00	53.07
8) L1 Aroclor-1016 {7}	10.74	11.65	43182	39648	45.31	47.38
9) L1 Aroclor-1016 {8}	11.37	12.31	58406	82969	43.97	42.45
Total Aroclor-1016			460840	582609	347.97	355.28
10) ML2 Aroclor-1260	13.41	14.59	88817	120579	39.19	41.89
11) ML2 Aroclor-1260 {2}	13.81	14.86	104626	135141	39.63	42.86
12) ML2 Aroclor-1260 {3}	14.07	15.39	53513	46493	40.09	50.40
13) ML2 Aroclor-1260 {4}	14.17	16.15	47540	99401	42.04	48.84
14) ML2 Aroclor-1260 {5}	15.37	17.25	74307	100189	45.45	45.05
15) ML2 Aroclor-1260 {6}	16.11	17.76	139925	184031	49.02	44.82
16) ML2 Aroclor-1260 {7}	17.23	18.96	112286	132811	47.73	47.32
17) ML2 Aroclor-1260 {8}	18.85	20.64	36502	44326	50.11	47.60
Total Aroclor-1260			657517	862972	353.26	368.79

5/7/97

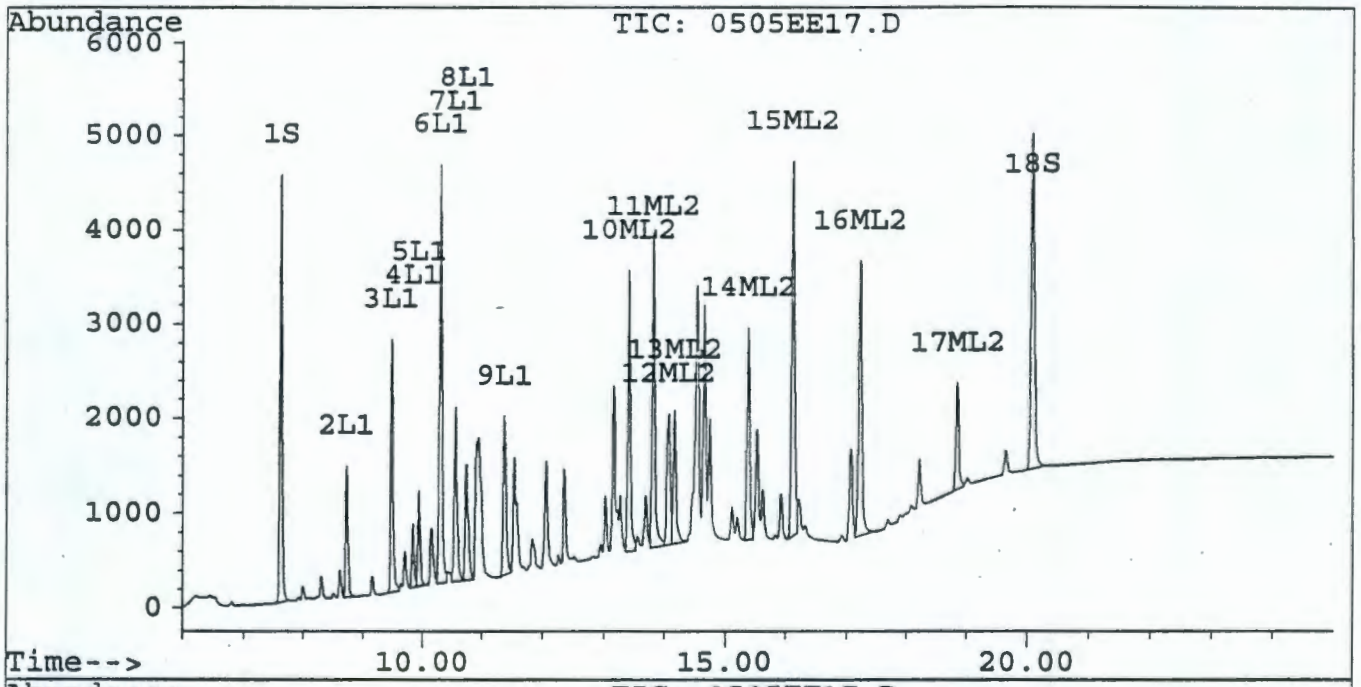
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

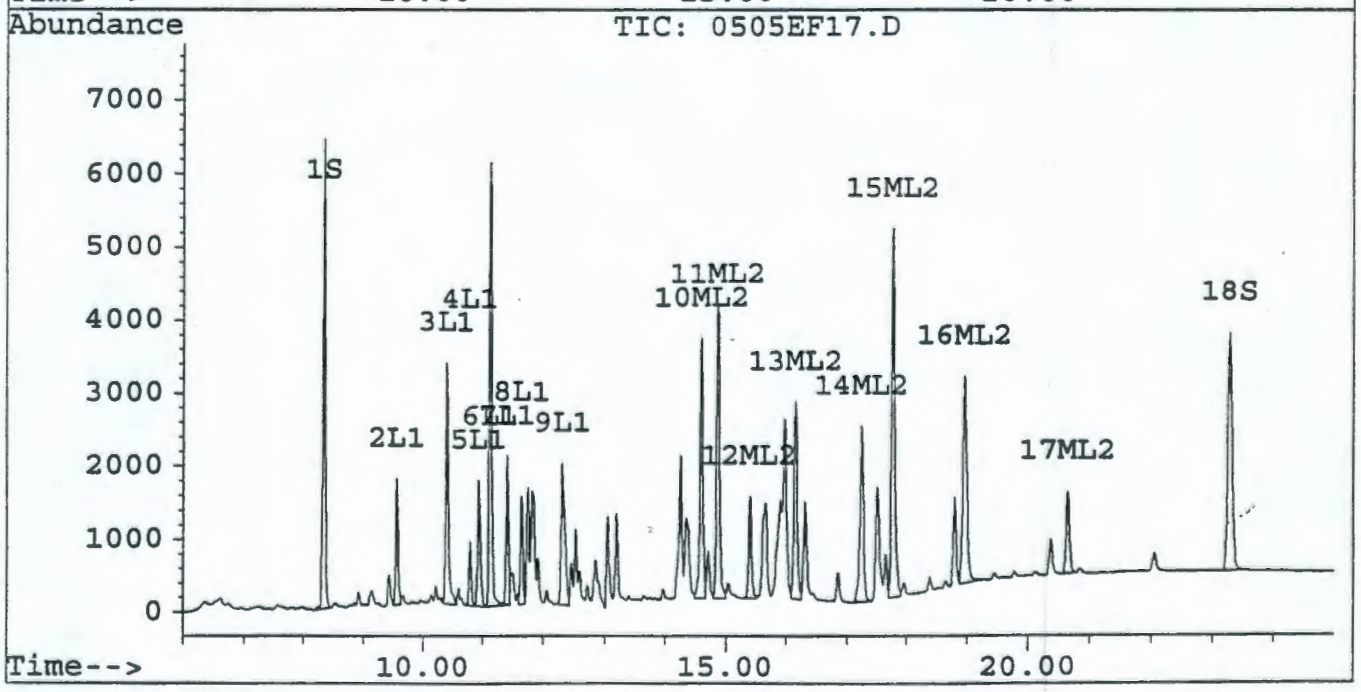
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE17.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE17.D\0505EF17.D
Acq On : 05 May 97 05:33 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 2.5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE18.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE18.D\0505EF18.D
Acq On : 05 May 97 06:03 PM Operator: MBROWN
Sample : 1016 2ND SRC MX-A53-09 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	0.00	0.00	0	0	N.D.	N.D.
				Recovery	=	0.00%	0.00%
18)	S Decachlorobiphenyl	0.00	0.00	0	0	N.D.	N.D.
				Recovery	=	0.00%	0.00%
	Target Compounds						
2)	L1 Aroclor-1016	8.73	9.56	245216	286243	386.15	385.02
3)	L1 Aroclor-1016 {2}	9.48	10.39	465556	596752	408.37	409.34
4)	L1 Aroclor-1016 {3}	9.84	10.79	133113	163991	410.72	402.15
5)	L1 Aroclor-1016 {4}	9.94	10.93	206230	370703	407.89	402.43
6)	L1 Aroclor-1016 {5}	10.30	11.12	900122	1031401	412.52	412.36
7)	L1 Aroclor-1016 {6}	10.55	11.41	444978	404742	416.69	421.51
8)	L1 Aroclor-1016 {7}	10.74	11.65	331024	272558	416.86	402.38
9)	L1 Aroclor-1016 {8}	11.37	12.31	407031	512572	403.74	389.79
	Total Aroclor-1016			3133270	3638964	3262.94	3224.98
10)	ML2 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
11)	ML2 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
12)	ML2 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
13)	ML2 Aroclor-1260 {4}	0.00	0.00	0	0	N.D.	N.D.
14)	ML2 Aroclor-1260 {5}	0.00	0.00	0	0	N.D.	N.D.
15)	ML2 Aroclor-1260 {6}	0.00	0.00	0	0	N.D.	N.D.
16)	ML2 Aroclor-1260 {7}	0.00	0.00	0	0	N.D.	N.D.
17)	ML2 Aroclor-1260 {8}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1260			0	0	N.D.	N.D.

5/7/97

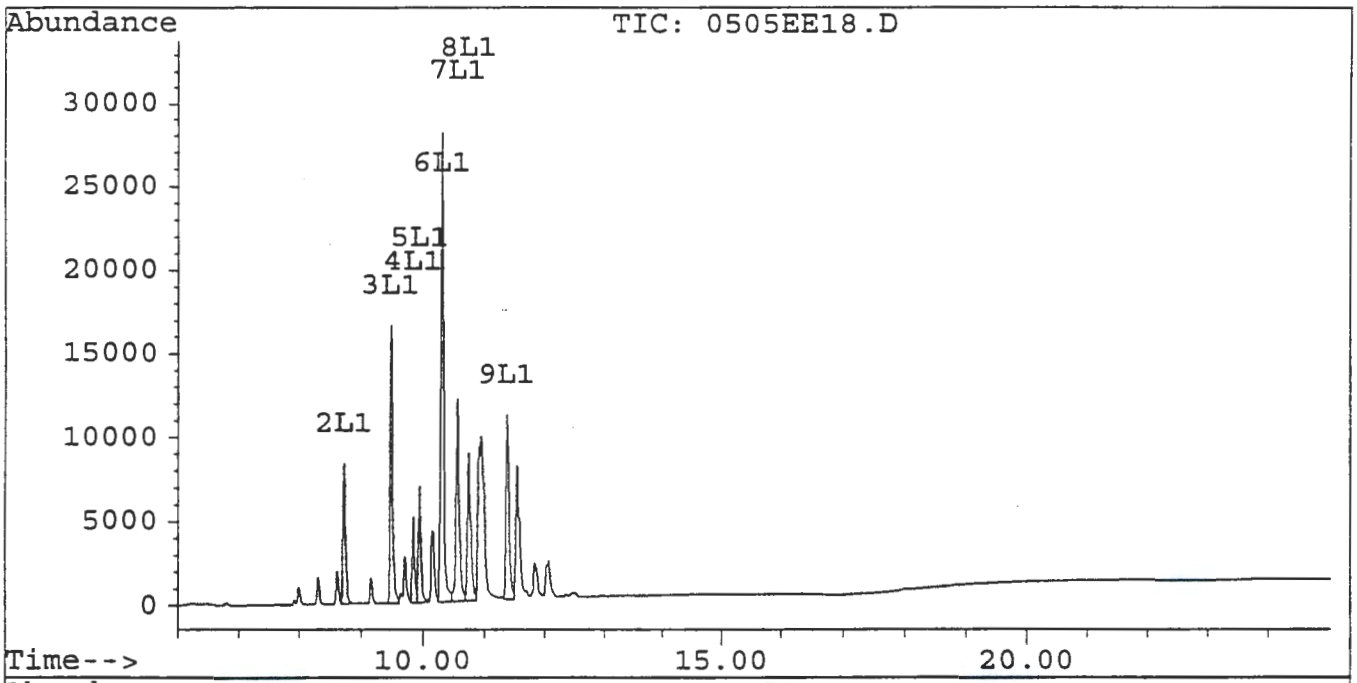
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

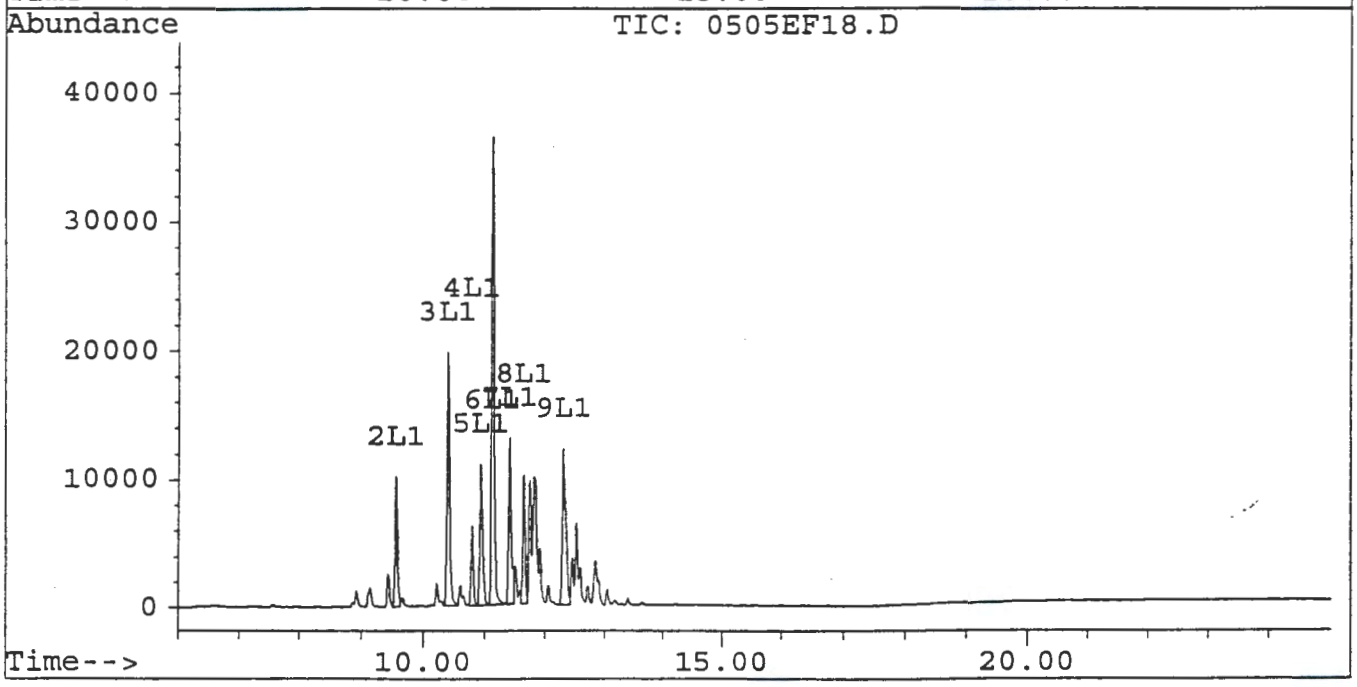
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE18.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EF18.D
Acq On : 05 May 97 06:03 PM Operator: MBROWN
Sample : 1016 2ND SRC MX-A53-09 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:55 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE19.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE19.D\0505EF19.D
Acq On : 05 May 97 06:33 PM Operator: MBROWN
Sample : 1260 2ND SRC MX-A51-11 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:56 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	0.00	0.00	0	0	N.D.	N.D.
			Recovery	=	0.00%	0.00%
18) S Decachlorobiphenyl	20.08	23.29	11665	13808	N.D.	N.D.
			Recovery	=	0.00%	0.00%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	3139	2634	N.D.	N.D.
3) L1 Aroclor-1016 {2}	9.48	10.39	5588	7634	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	0.00	10.93	0	4496	N.D.	N.D.
6) L1 Aroclor-1016 {5}	10.30	11.12	10662	14547	N.D.	N.D.
7) L1 Aroclor-1016 {6}	10.55	11.41	4647	5939	N.D.	N.D.
8) L1 Aroclor-1016 {7}	0.00	11.64	0	5937	N.D.	N.D.
9) L1 Aroclor-1016 {8}	11.37	12.31	5986	7429	N.D.	N.D.
Total Aroclor-1016			0	0	N.D.	N.D.
10) ML2 Aroclor-1260	13.41	14.59	547356	758896	410.36	429.89
11) ML2 Aroclor-1260 {2}	13.81	14.86	664997	819195	409.23	410.25
12) ML2 Aroclor-1260 {3}	14.08	15.39	362964	342636	408.59	410.33
13) ML2 Aroclor-1260 {4}	14.17	16.15	365785	556920	414.19	349.74
14) ML2 Aroclor-1260 {5}	15.37	17.25	473371	625096	365.76	367.07
15) ML2 Aroclor-1260 {6}	16.11	17.76	897596	1109116	349.44	352.69
16) ML2 Aroclor-1260 {7}	17.23	18.96	753027	858206	358.74	360.61
17) ML2 Aroclor-1260 {8}	18.85	20.64	242267	285667	332.11	332.98
Total Aroclor-1260			4307364	5355732	3048.43	3013.55

5/7/97

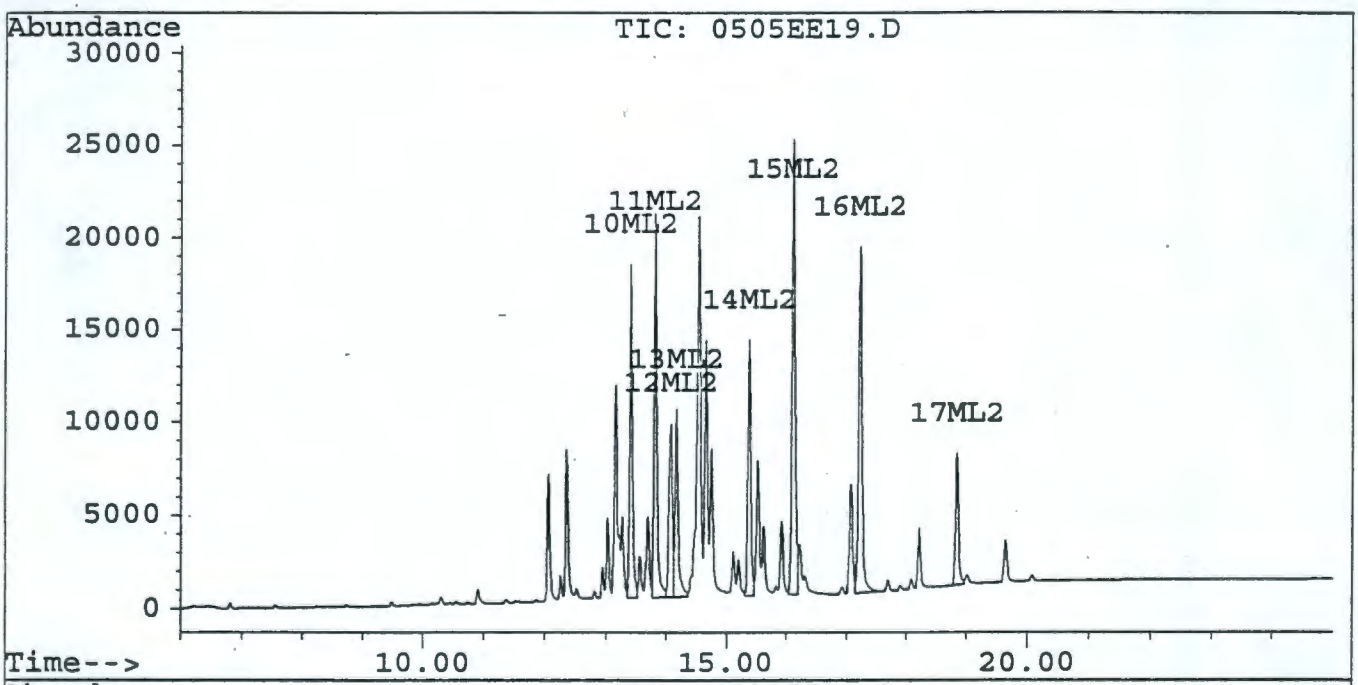
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

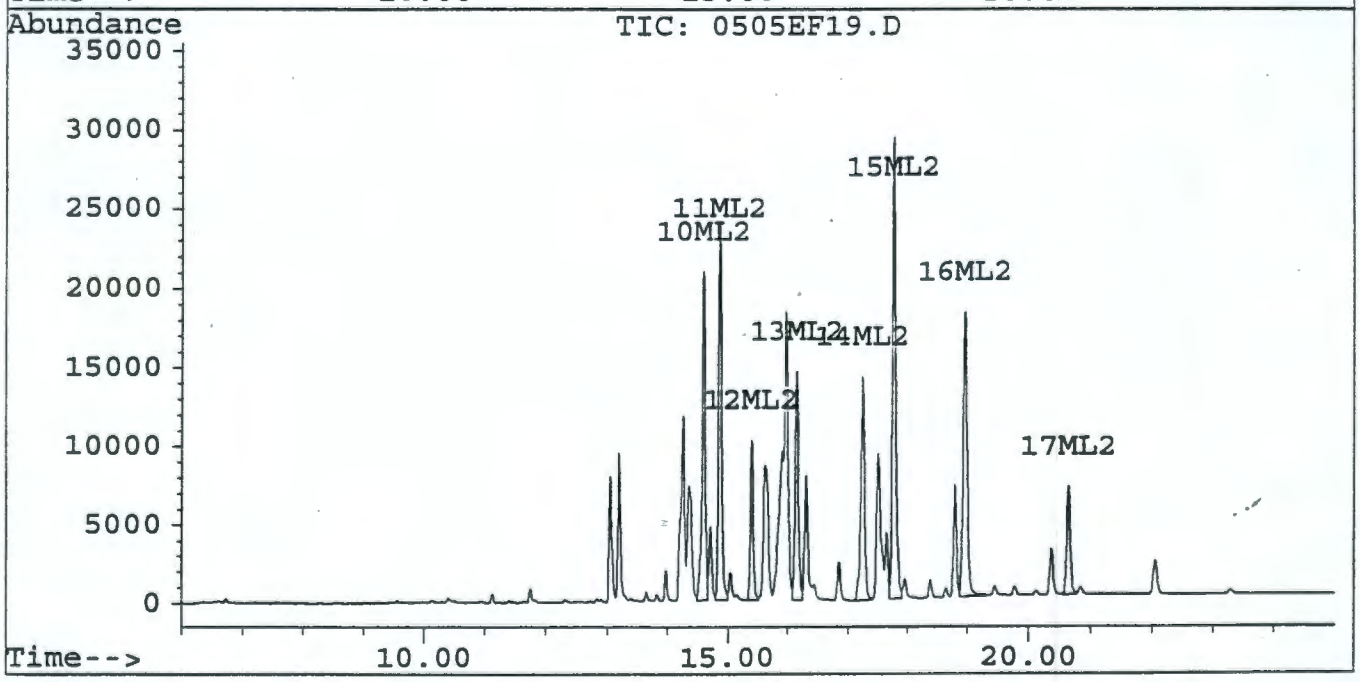
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE19.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE19.D\0505EF19.D
Acq On : 05 May 97 06:33 PM Operator: MBROWN
Sample : 1260 2ND SRC MX-A51-11 40% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 10:56 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE20.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE20.D\0505EF20.D
Acq On : 05 May 97 07:03 PM Operator: MBROWN
Sample : 1221 MX-C27-01 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:00 1997

Method : C:\HPCHEM\5\METHODS\A3050597.M
Title : PCB
Last Update : Tue May 06 11:00:20 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	248142	346525	10.00	10.00
			Recovery	=	20.00%	20.00%
6) S Decachlorobiphenyl	20.07	23.29	279785	337820	10.00	10.00
			Recovery	=	20.00%	20.00%
Target Compounds						
2) L1 Aroclor-1221	6.78	7.57	50403	64807	100.00	100.00
3) L1 Aroclor-1221 {2}	8.31	9.13	47896	68128	100.00	100.00
4) L1 Aroclor-1221 {3}	8.62	9.43	34405	47084	100.00	100.00
5) L1 Aroclor-1221 {4}	8.72	9.55	119293	132882	100.00	100.00
Total Aroclor-1221			251998	312901	400.00	400.00

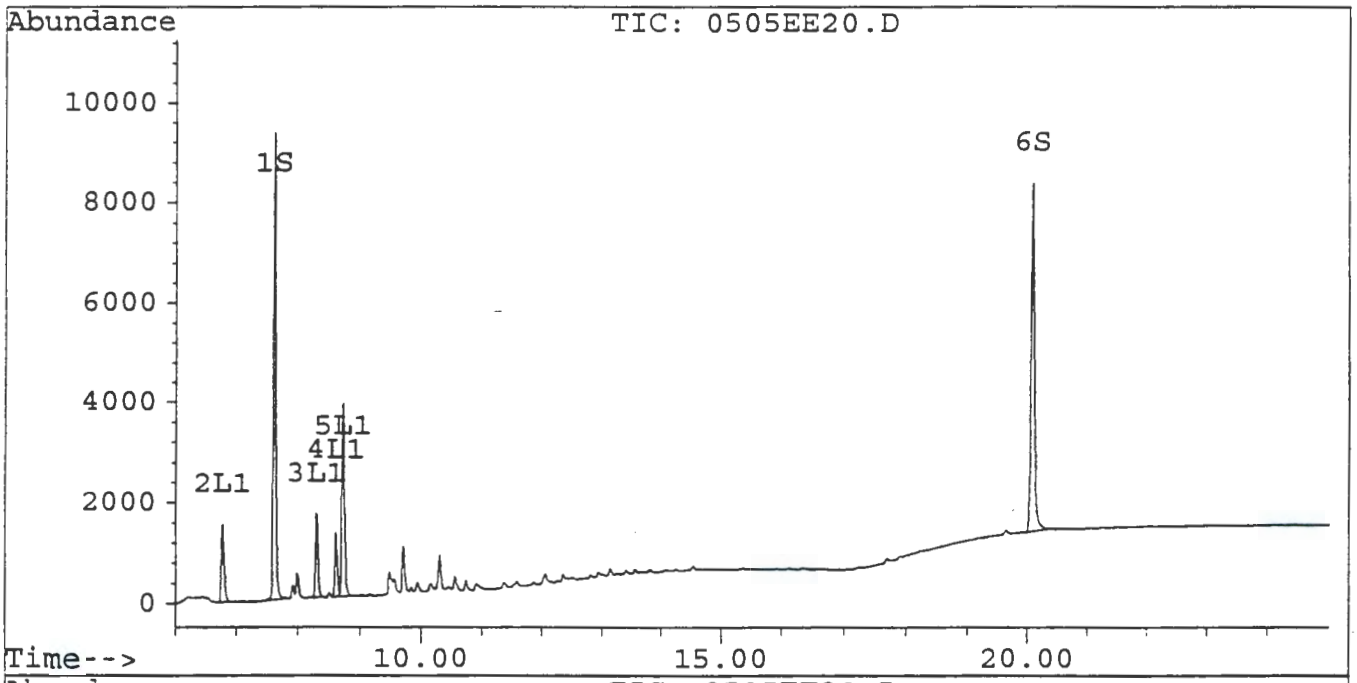
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

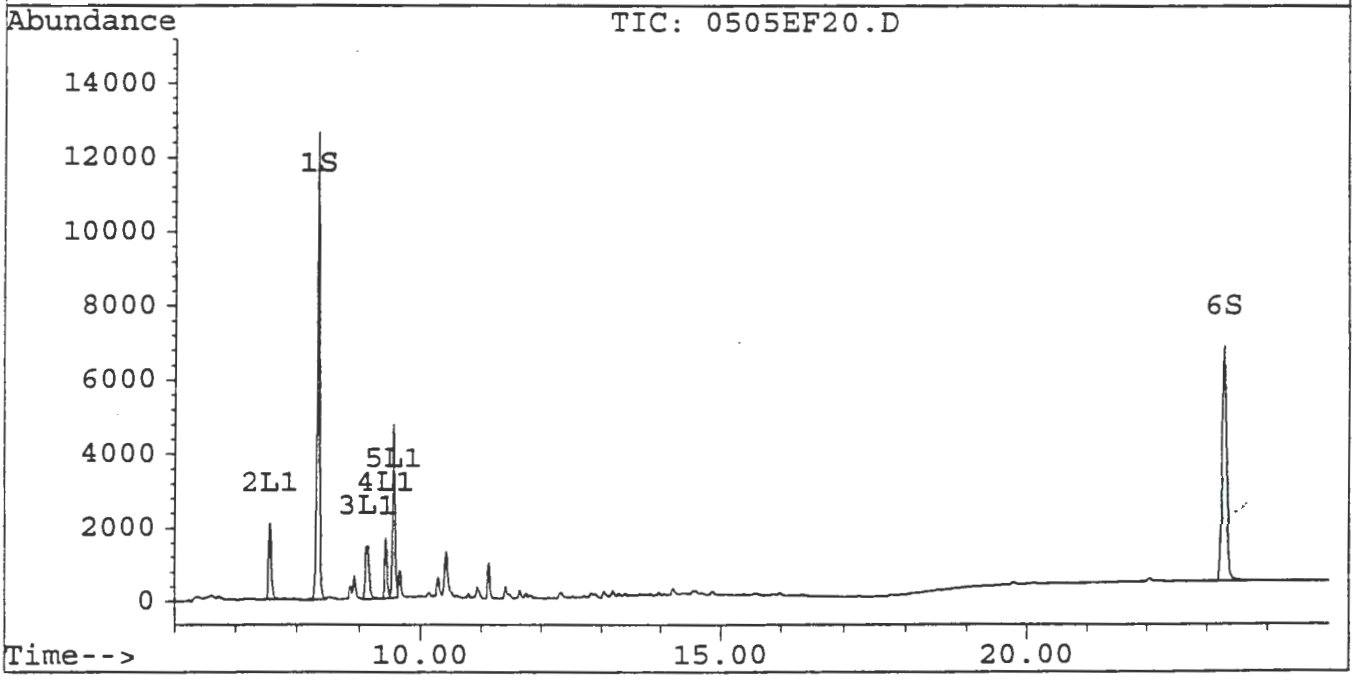
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE20.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE20.D\0505EF20.D
Acq On : 05 May 97 07:03 PM Operator: MBROWN
Sample : 1221 MX-C27-01 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:00 1997

Method : C:\HPCHEM\5\METHODS\A3050597.M
Title : PCB
Last Update : Tue May 06 11:00:20 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE21.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE21.D\0505EF21.D
Acq On : 05 May 97 07:33 PM Operator: MBROWN
Sample : 1232 MX-A38-07 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:14 1997

Method : C:\HPCHEM\5\METHODS\A2050597.M
Title : PCB
Last Update : Tue May 06 11:14:15 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	262483	360188	10.00	10.00
				Recovery	=	20.00%	20.00%
10)	S Decachlorobiphenyl	20.07	23.28	301875	363013	10.00	10.00
				Recovery	=	20.00%	20.00%
	Target Compounds						
2)	L1 Aroclor-1232	6.78	7.56	21449	30494	100.00	100.00
3)	L1 Aroclor-1232 {2}	8.30	9.43	31477	36269	100.00	100.00
4)	L1 Aroclor-1232 {3}	8.72	9.55	101897	115996	100.00	100.00
5)	L1 Aroclor-1232 {4}	9.48	10.39	78518	118294	100.00	100.00
6)	L1 Aroclor-1232 {5}	10.30	10.93	129881	55476	100.00	100.00
7)	L1 Aroclor-1232 {6}	10.55	11.12	59089	160517	100.00	100.00
8)	L1 Aroclor-1232 {7}	10.73	12.31	40915	84063	100.00	100.00
9)	L1 Aroclor-1232 {8}	11.37	13.40	56846	52251	100.00	100.00
Total	Aroclor-1232			520073	653360	800.00	800.00

5/7/97

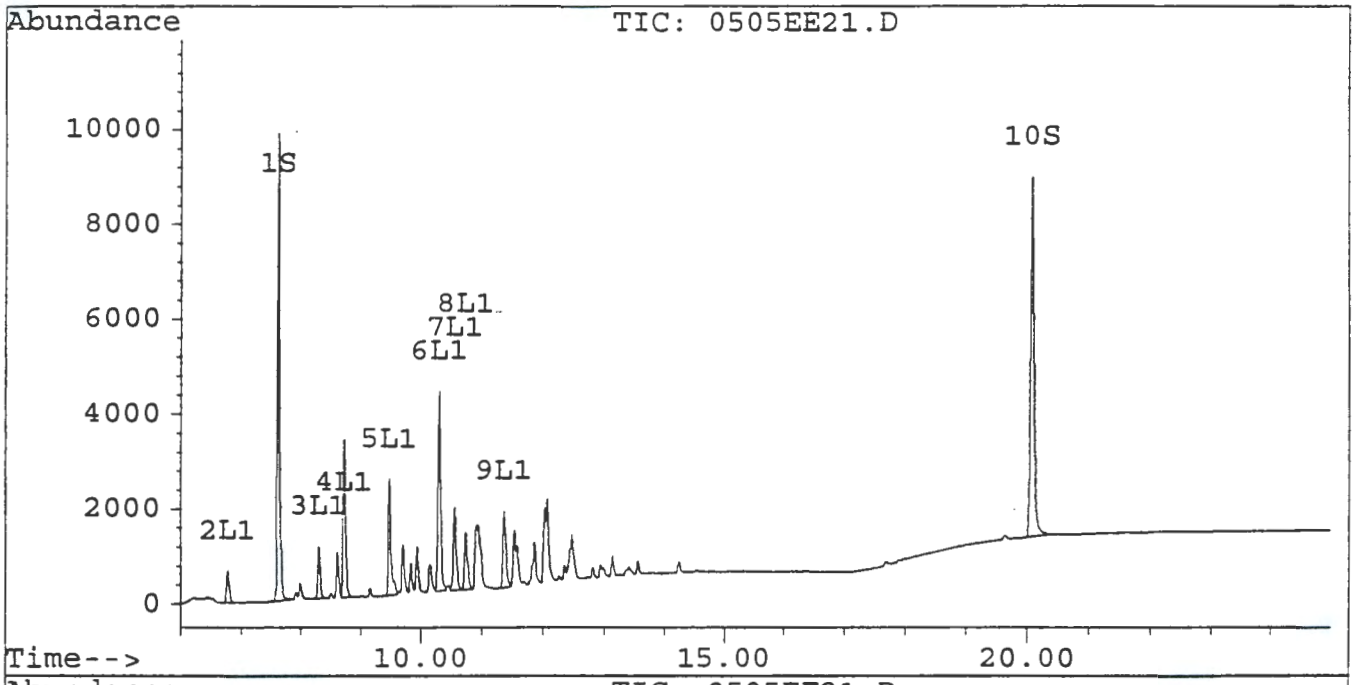
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

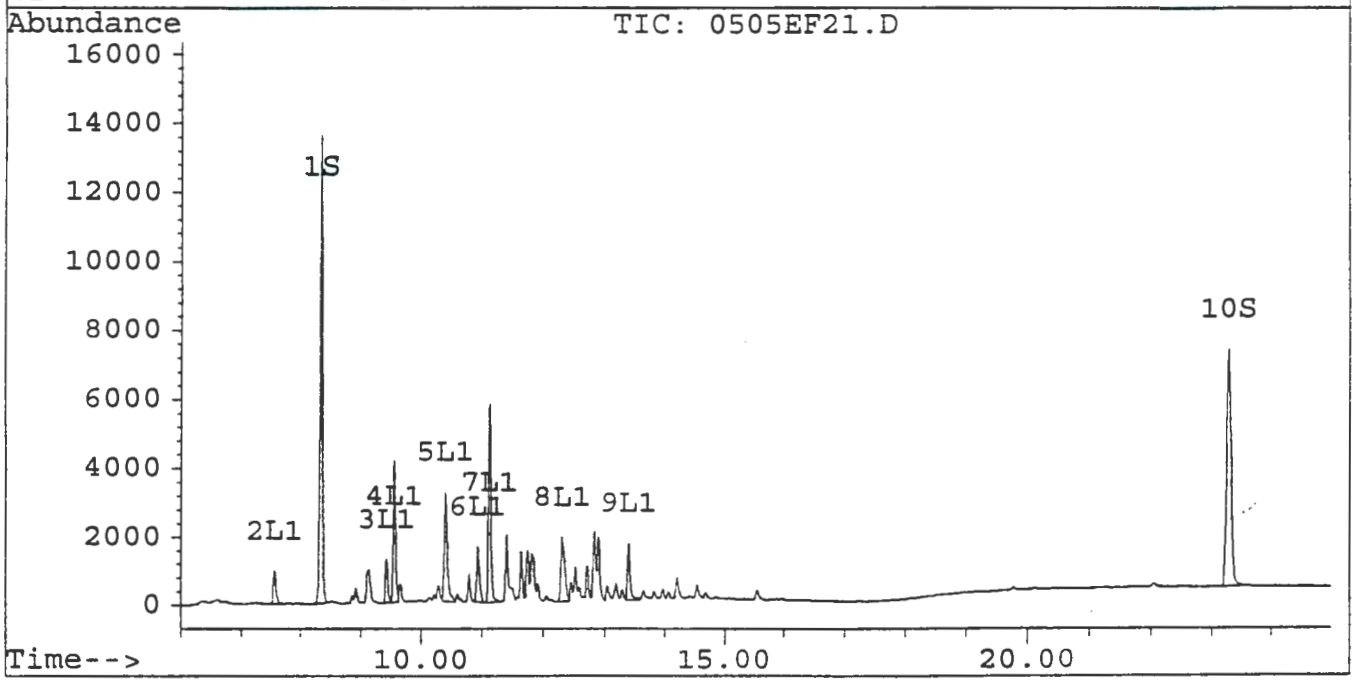
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE21.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE21.D\0505EF21.D
Acq On : 05 May 97 07:33 PM Operator: MBROWN
Sample : 1232 MX-A38-07 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:14 1997

Method : C:\HPCHEM\5\METHODS\A2050597.M
Title : PCB
Last Update : Tue May 06 11:14:15 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE22.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE22.D\0505EF22.D
Acq On : 05 May 97 08:03 PM Operator: MBROWN
Sample : 1242 MX-C26-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:24 1997

Method : C:\HPCHEM\5\METHODS\A7050597.M
Title : PCB
Last Update : Tue May 06 11:24:41 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	256315	353967	10.00	10.00
				Recovery	=	20.00%	20.00%
10)	S Decachlorobiphenyl	20.07	23.28	300349	361254	10.00	10.00
				Recovery	=	20.00%	20.00%
	Target Compounds						
2)	L1 Aroclor-1242	8.72	9.55	59615	73406	100.00	100.00
3)	L1 Aroclor-1242 {2}	9.48	10.39	111826	153035	100.00	100.00
4)	L1 Aroclor-1242 {3}	9.84	10.79	26945	35637	100.00	100.00
5)	L1 Aroclor-1242 {4}	9.94	10.93	44413	86884	100.00	100.00
6)	L1 Aroclor-1242 {5}	10.30	11.12	209573	250386	100.00	100.00
7)	L1 Aroclor-1242 {6}	10.55	11.41	96256	86361	100.00	100.00
8)	L1 Aroclor-1242 {7}	10.73	12.31	68318	135689	100.00	100.00
9)	L1 Aroclor-1242 {8}	11.37	13.40	94343	79868	100.00	100.00
Total	Aroclor-1242			711289	901267	800.00	800.00

5/7/97 m

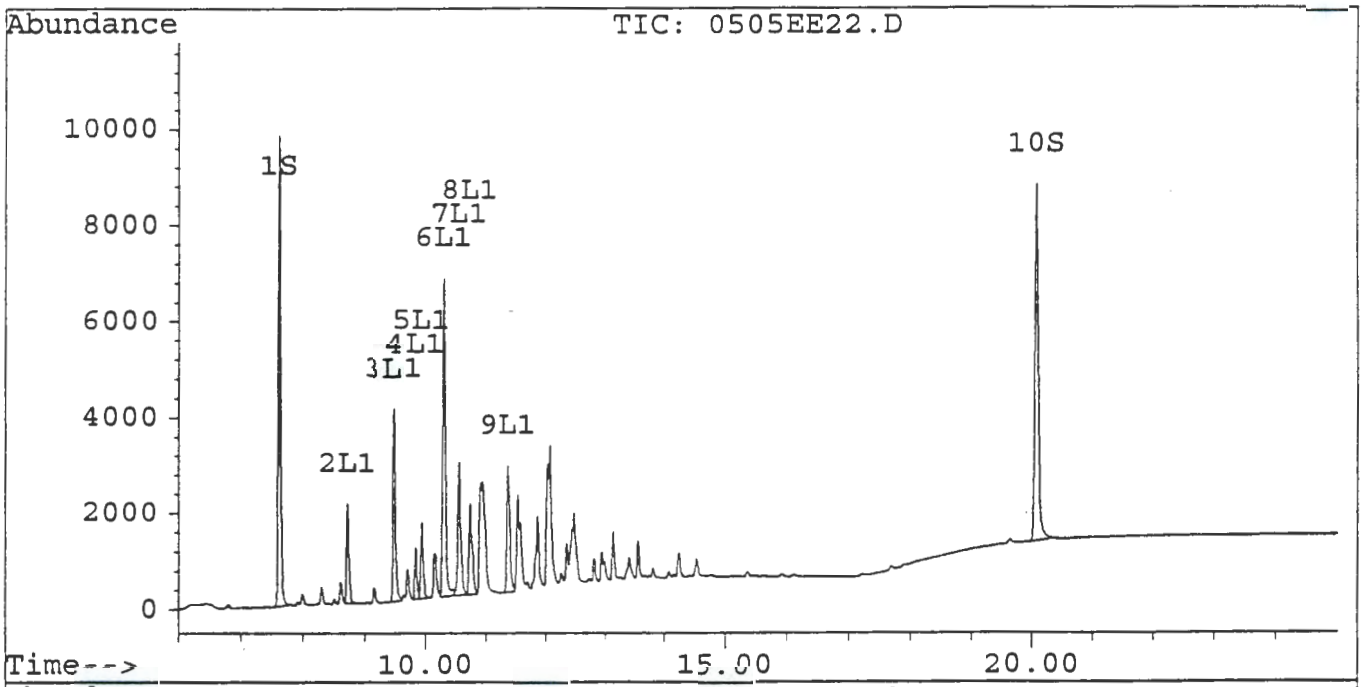
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

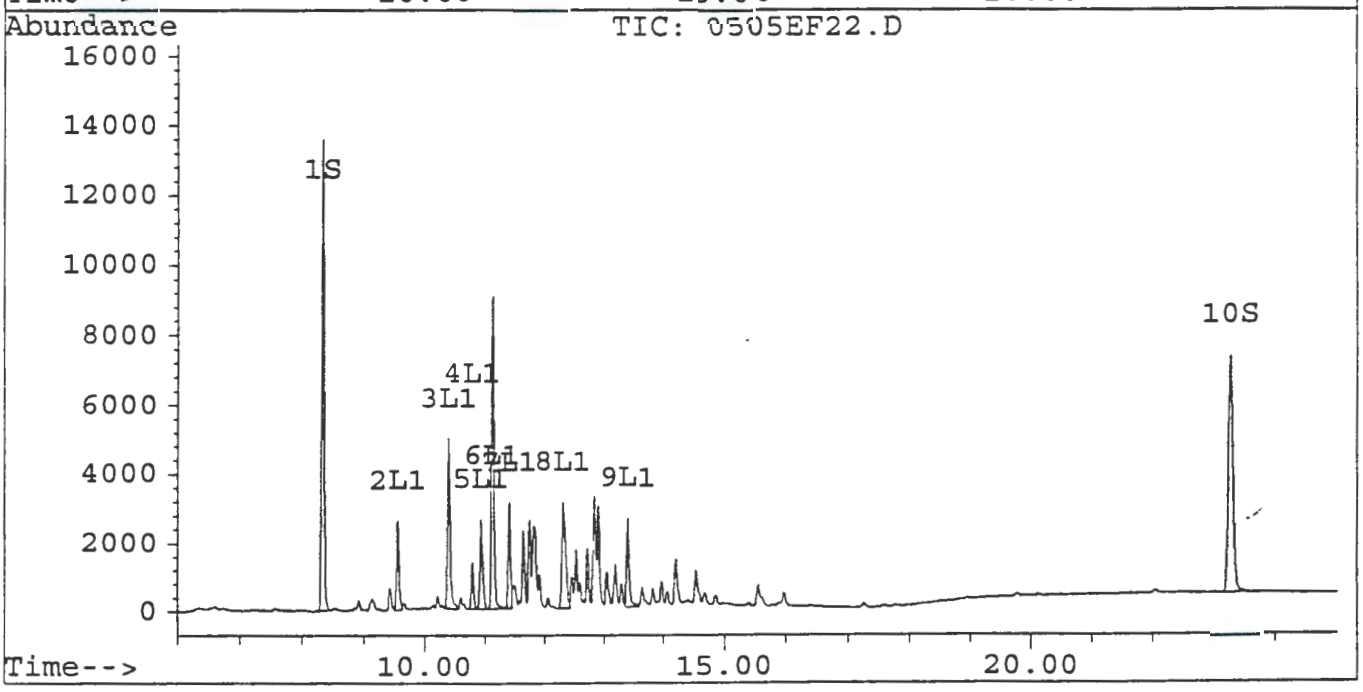
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE22.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE22.D\0505EF22.D
Acq On : 05 May 97 08:03 PM Operator: MBROWN
Sample : 1242 MX-C26-02 5% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:24 1997

Method : C:\HPCHEM\5\METHODS\A7050597.M
Title : PCB
Last Update : Tue May 06 11:24:41 1997
Response via : Single Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE29.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE29.D\0505EF29.D
Acq On : 06 May 97 00:04 AM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:28 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.61	8.33	948100	1249525	39.91	41.05
				Recovery	=	79.82%	82.10%
10)	S Decachlorobiphenyl	20.07	23.27	1007578	1213742	40.77	41.63
				Recovery	=	81.54%	83.26%
	Target Compounds						
2)	L1 Aroclor-1248	9.47	10.38	197631	256238	398.34	403.84
3)	L1 Aroclor-1248 {2}	10.29	11.11	485504	580985	394.74	407.29
4)	L1 Aroclor-1248 {3}	10.54	12.30	218432	638905	404.23	406.24
5)	L1 Aroclor-1248 {4}	11.36	12.71	517245	292756	403.59	405.16
6)	L1 Aroclor-1248 {5}	11.53	13.04	439833	244664	405.73	403.40
7)	L1 Aroclor-1248 {6}	11.86	13.18	388252	276270	408.82	410.92
8)	L1 Aroclor-1248 {7}	13.13	13.39	245420	483695	409.89	411.69
9)	L1 Aroclor-1248 {8}	13.55	14.19	190729	350007	396.91	412.26
	Total Aroclor-1248			2683046	3123520	3222.25	3260.81

5/6/97

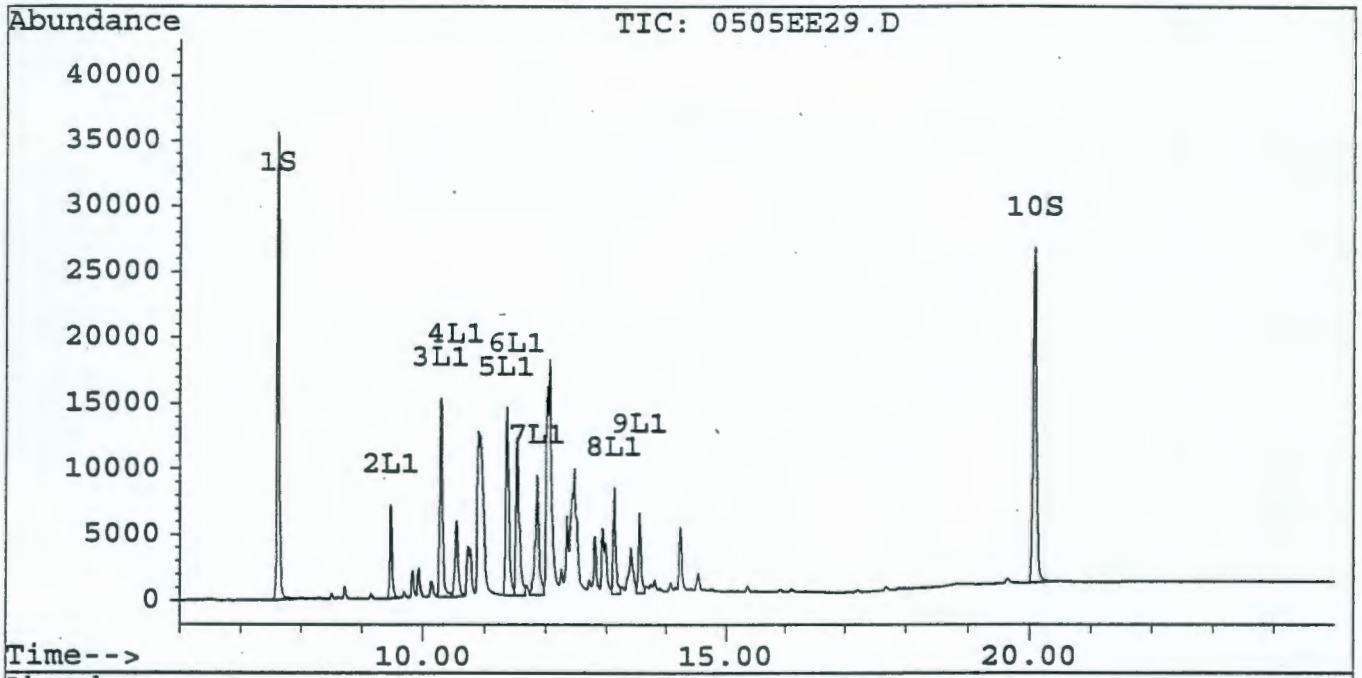
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

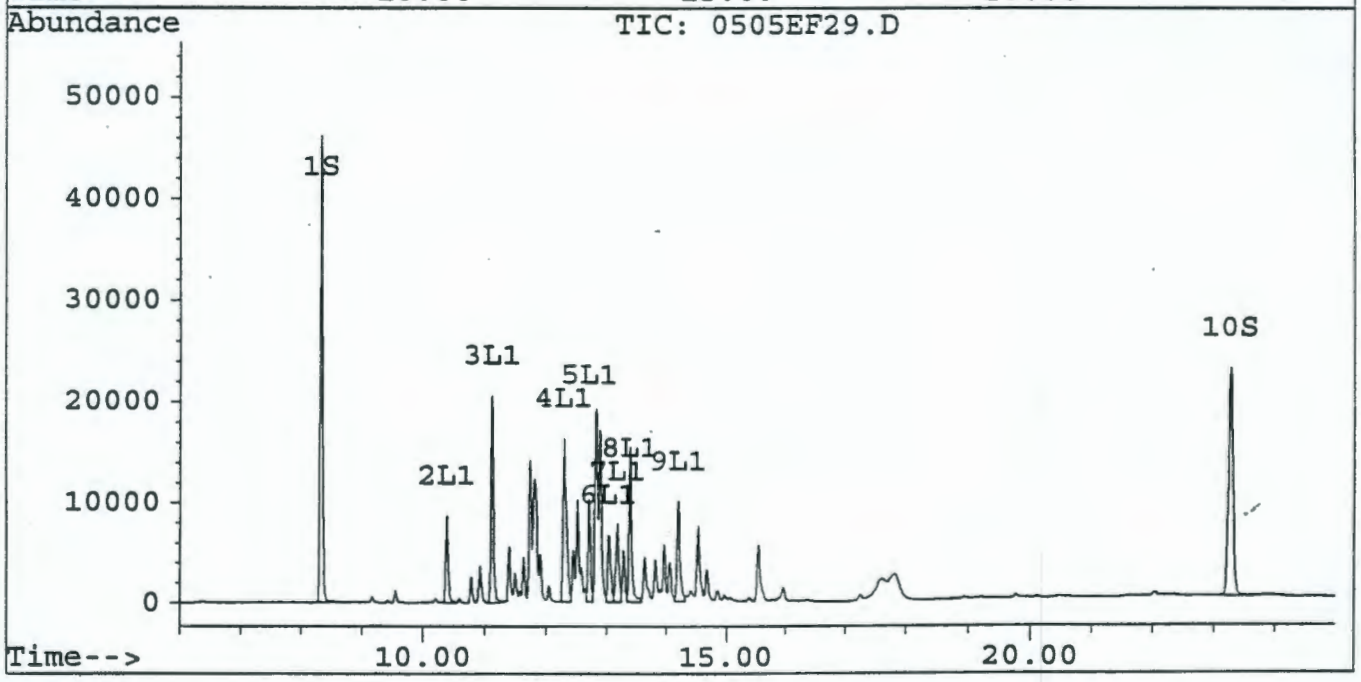
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE29.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE29.D\0505EF29.D
Acq On : 06 May 97 00:04 AM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:28 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE30.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE30.D\0505EF30.D
Acq On : 06 May 97 00:34 AM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:31 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.61	8.33	996281	1313472	40.17	41.14
				Recovery	=	80.34%	82.28%
10)	S Decachlorobiphenyl	20.06	23.27	1042640	1240732	40.85	41.29
				Recovery	=	81.70%	82.58%
	Target Compounds						
2)	L1 Aroclor-1254	12.05	12.30	742632	193491	405.55	406.65
3)	L1 Aroclor-1254 {2}	12.81	13.04	232781	605429	402.83	406.68
4)	L1 Aroclor-1254 {3}	13.13	13.18	708752	663165	403.84	408.88
5)	L1 Aroclor-1254 {4}	13.40	13.29	456917	275726	405.20	406.61
6)	L1 Aroclor-1254 {5}	13.55	13.81	502292	239315	400.65	404.82
7)	L1 Aroclor-1254 {6}	14.07	14.19	239506	903129	400.75	406.87
8)	L1 Aroclor-1254 {7}	14.23	14.85	334110	474122	397.62	404.86
9)	L1 Aroclor-1254 {8}	14.52	15.95	734696	1006564	401.29	404.22
	Total Aroclor-1254			3951686	4360941	3217.74	3249.60

5/6/97 MV

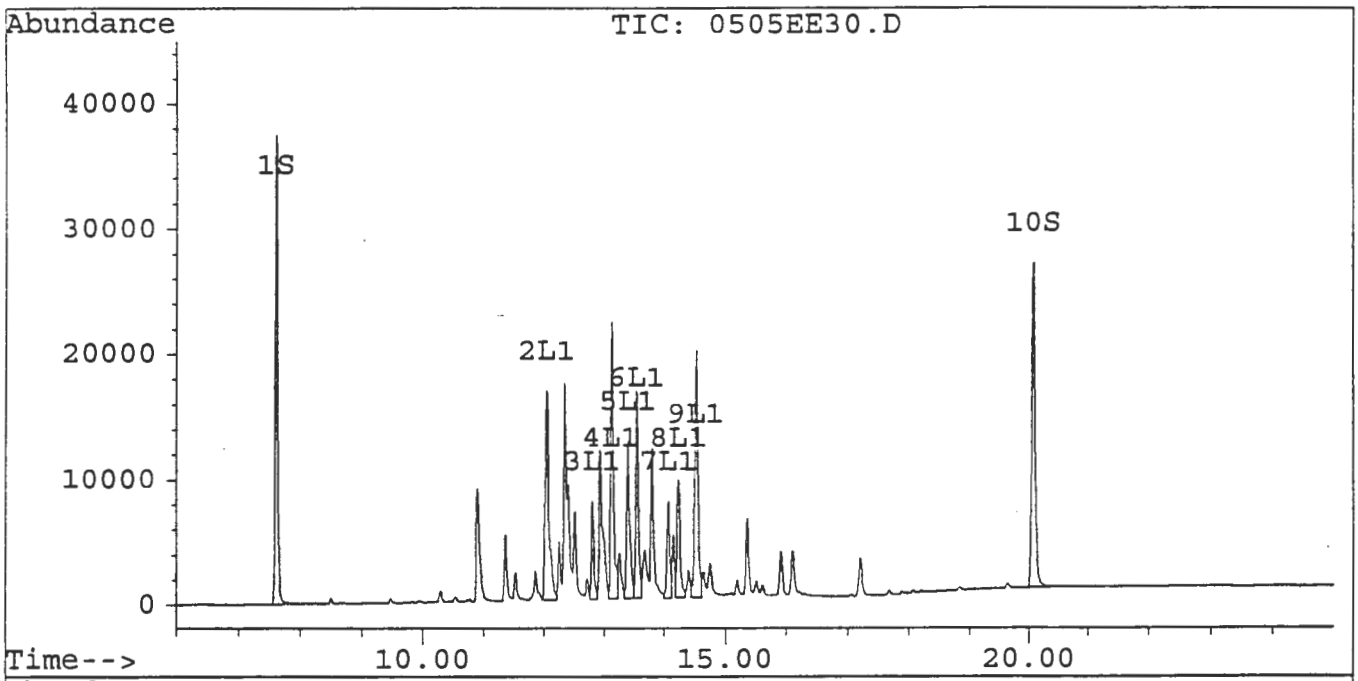
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

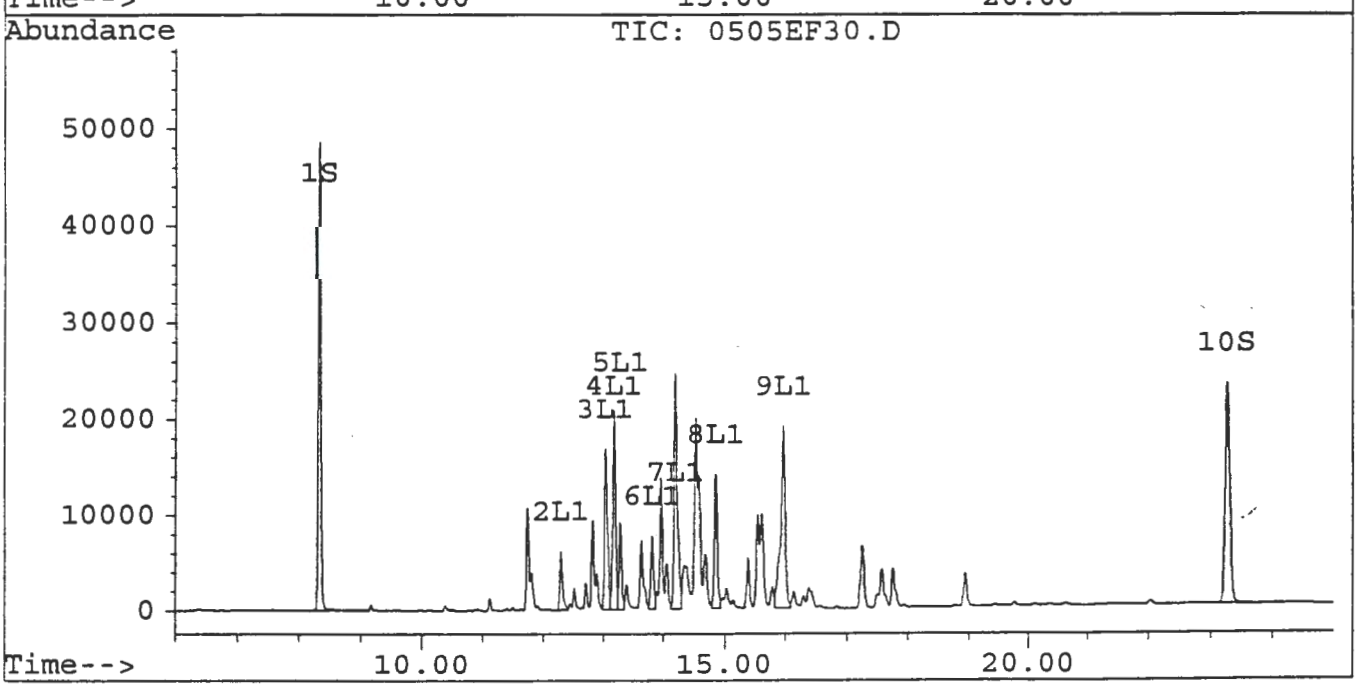
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE30.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE30.D\0505EF30.D
Acq On : 06 May 97 00:34 AM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:31 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE31.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE31.D\0505EF31.D
Acq On : 06 May 97 01:04 AM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:33 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.61	8.32	927509	1218230	39.73	40.33
				Recovery	=	79.46%	80.66%
18)	S Decachlorobiphenyl	20.06	23.27	949539	1135973	40.09	40.51
				Recovery	=	80.18%	81.02%
	Target Compounds						
2)	L1 Aroclor-1016	8.71	9.54	251831	301747	397.20	407.58
3)	L1 Aroclor-1016 {2}	9.47	10.38	455736	591759	399.14	405.58
4)	L1 Aroclor-1016 {3}	9.83	10.78	128576	162018	396.50	397.19
5)	L1 Aroclor-1016 {4}	9.93	10.92	202222	370529	399.68	402.23
6)	L1 Aroclor-1016 {5}	10.29	11.11	867969	1010652	396.89	403.42
7)	L1 Aroclor-1016 {6}	10.54	11.40	429213	359694	401.29	373.76
8)	L1 Aroclor-1016 {7}	10.72	11.63	317998	268580	400.04	396.32
9)	L1 Aroclor-1016 {8}	11.36	12.30	403238	531475	399.83	405.07
	Total Aroclor-1016			3056782	3596454	3190.58	3191.16
10)	ML2 Aroclor-1260	13.40	14.58	537478	713494	402.37	402.29
11)	ML2 Aroclor-1260 {2}	13.80	14.85	653653	801028	401.75	400.50
12)	ML2 Aroclor-1260 {3}	14.06	15.38	357646	333065	402.26	398.69
13)	ML2 Aroclor-1260 {4}	14.16	16.13	355386	638730	402.03	403.55
14)	ML2 Aroclor-1260 {5}	15.36	17.23	515429	683424	399.52	402.85
15)	ML2 Aroclor-1260 {6}	16.10	17.75	1015324	1257000	396.12	401.91
16)	ML2 Aroclor-1260 {7}	17.21	18.95	834068	949918	398.08	400.21
17)	ML2 Aroclor-1260 {8}	18.84	20.63	289111	341595	396.31	399.12
	Total Aroclor-1260			4558095	5718253	3198.43	3209.11

5/6/97

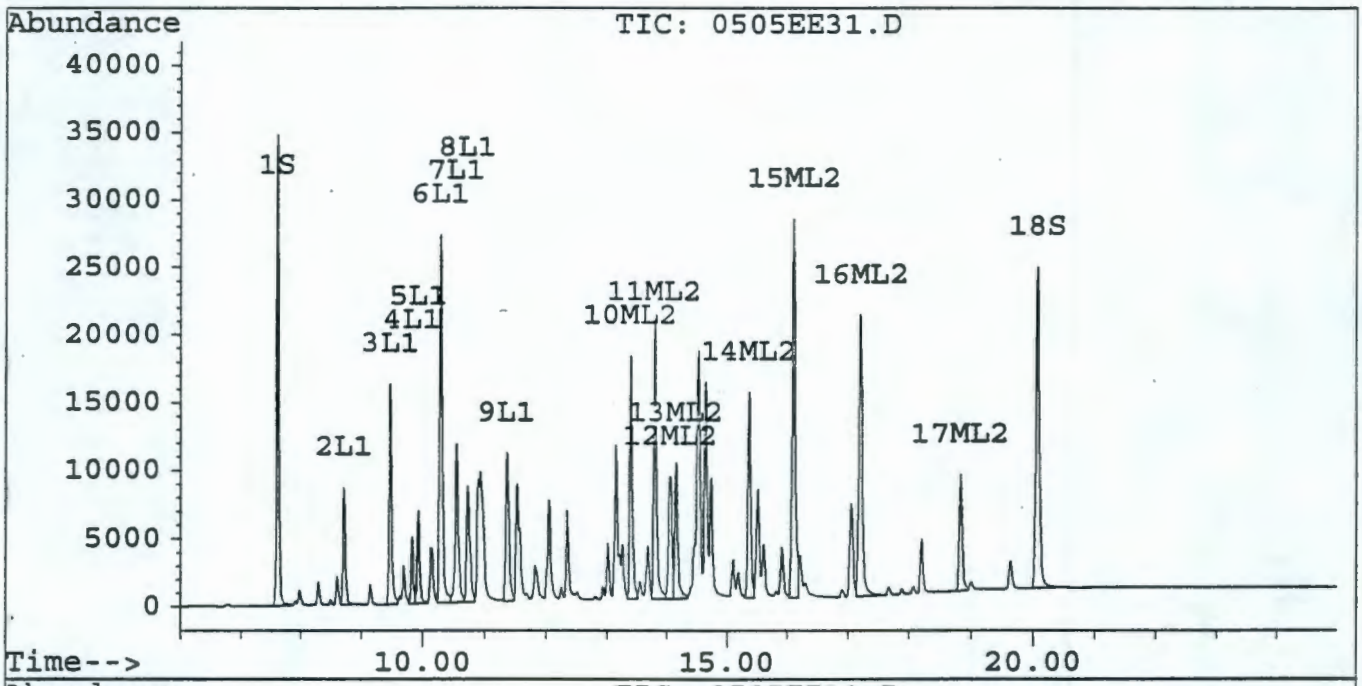
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

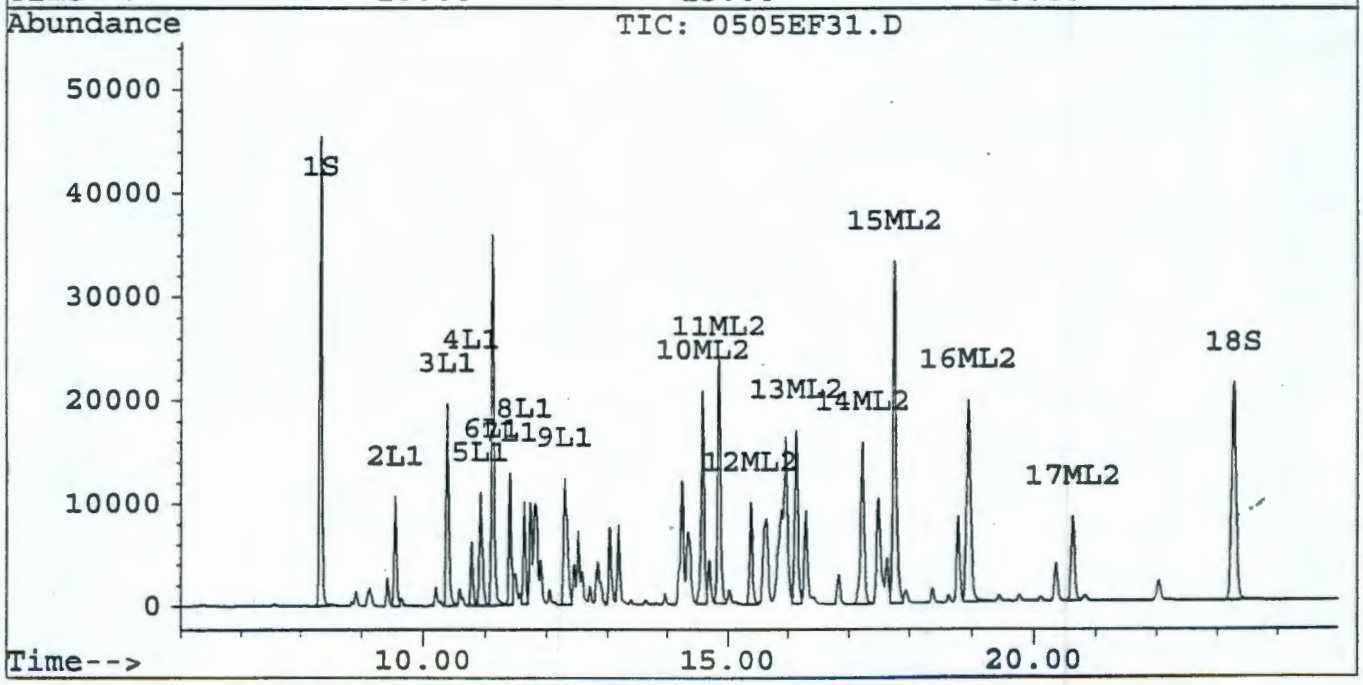
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE31.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE31.D\0505EF31.D
Acq On : 06 May 97 01:04 AM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:33 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE01.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE01.D\0506EF01.D
Acq On : 06 May 97 02:51 PM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 16:42 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.34	931154	1208282	39.19	39.65
				Recovery	=	78.38%	79.30%
10)	S Decachlorobiphenyl	20.08	23.28	931911	1124953	37.56	38.45
				Recovery	=	75.12%	76.90%
	Target Compounds						
2)	L1 Aroclor-1248	9.48	10.39	192644	243389	387.84	382.10
3)	L1 Aroclor-1248 {2}	10.30	11.12	472570	553630	383.72	386.81
4)	L1 Aroclor-1248 {3}	10.55	12.31	209394	602686	386.99	381.85
5)	L1 Aroclor-1248 {4}	11.37	12.72	499327	271992	388.94	374.98
6)	L1 Aroclor-1248 {5}	11.54	13.05	420105	233086	387.09	383.13
7)	L1 Aroclor-1248 {6}	11.87	13.19	360747	254256	379.30	376.19
8)	L1 Aroclor-1248 {7}	13.14	13.40	230667	448389	384.94	380.13
9)	L1 Aroclor-1248 {8}	13.56	14.20	182031	332832	378.88	391.22
Total	Aroclor-1248			2567484	2940262	3077.70	3056.39

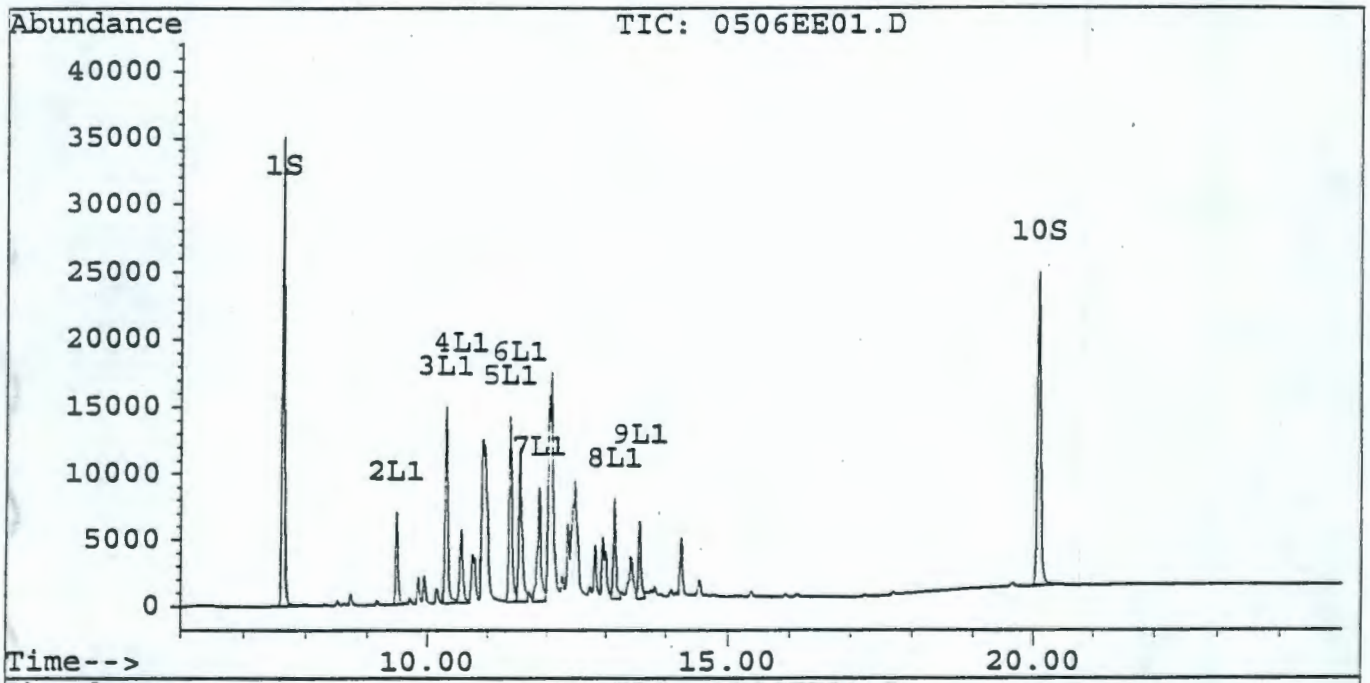
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

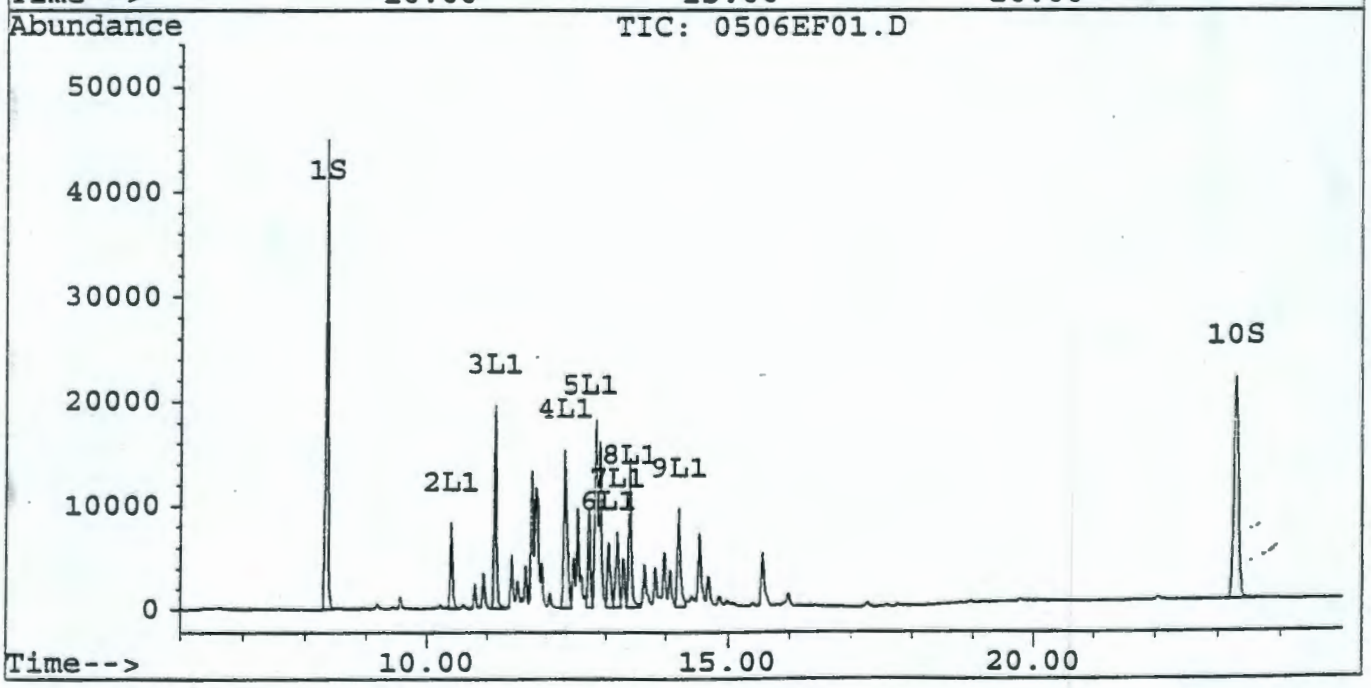
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE01.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE01.D\0506EF01.D
Acq On : 06 May 97 02:51 PM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 16:42 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE02.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE02.D\0506EF02.D
Acq On : 06 May 97 03:21 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:48 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.63	8.34	977308	1273638	39.39	39.85
				Recovery	=	78.78%	79.70%
10)	S Decachlorobiphenyl	20.08	23.28	984576	1165828	38.44	38.64
				Recovery	=	76.88%	77.28%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.31	706083	181323	384.06	379.90
3)	L1 Aroclor-1254 {2}	12.82	13.05	218826	575519	377.23	384.87
4)	L1 Aroclor-1254 {3}	13.14	13.19	674945	627340	383.35	384.76
5)	L1 Aroclor-1254 {4}	13.41	13.30	430707	258471	380.13	379.40
6)	L1 Aroclor-1254 {5}	13.56	13.82	476216	224996	378.31	379.40
7)	L1 Aroclor-1254 {6}	14.08	14.20	223604	868629	372.34	390.36
8)	L1 Aroclor-1254 {7}	14.25	14.86	308021	457780	365.21	390.06
9)	L1 Aroclor-1254 {8}	14.54	15.97	693938	959458	377.89	384.41
Total	Aroclor-1254			3732340	4153516	3018.52	3073.15

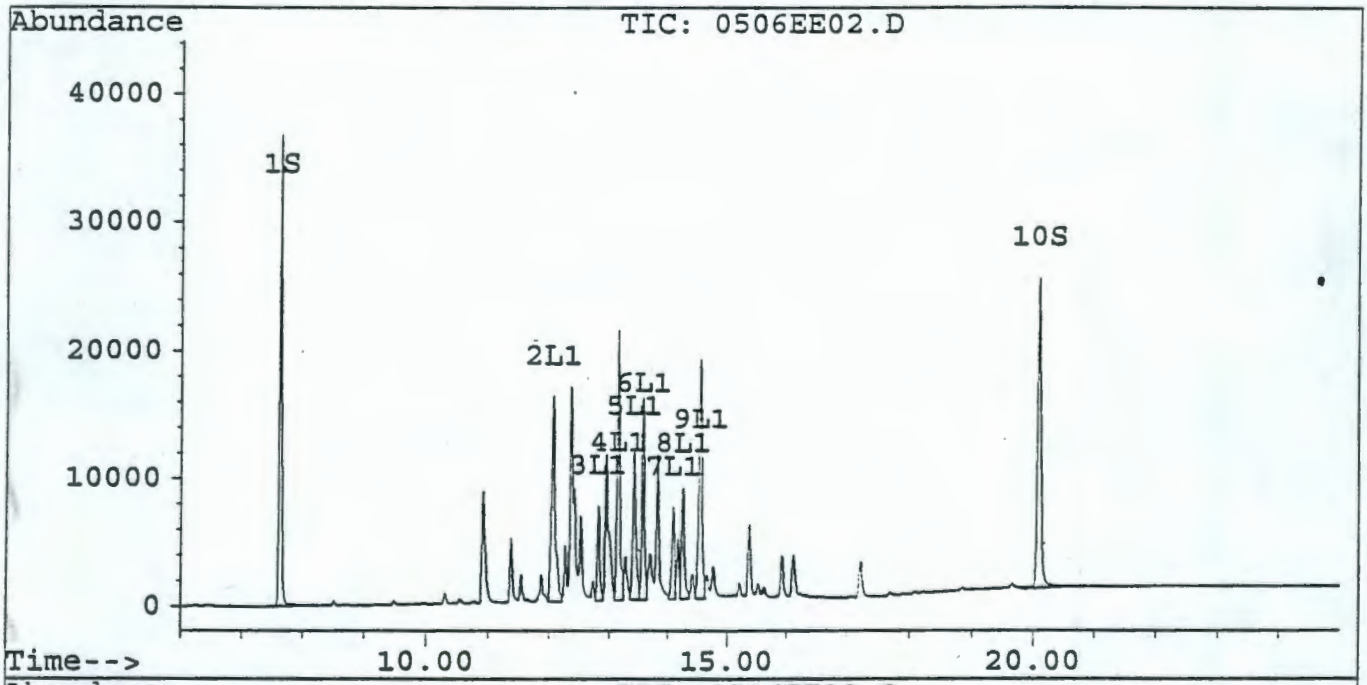
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

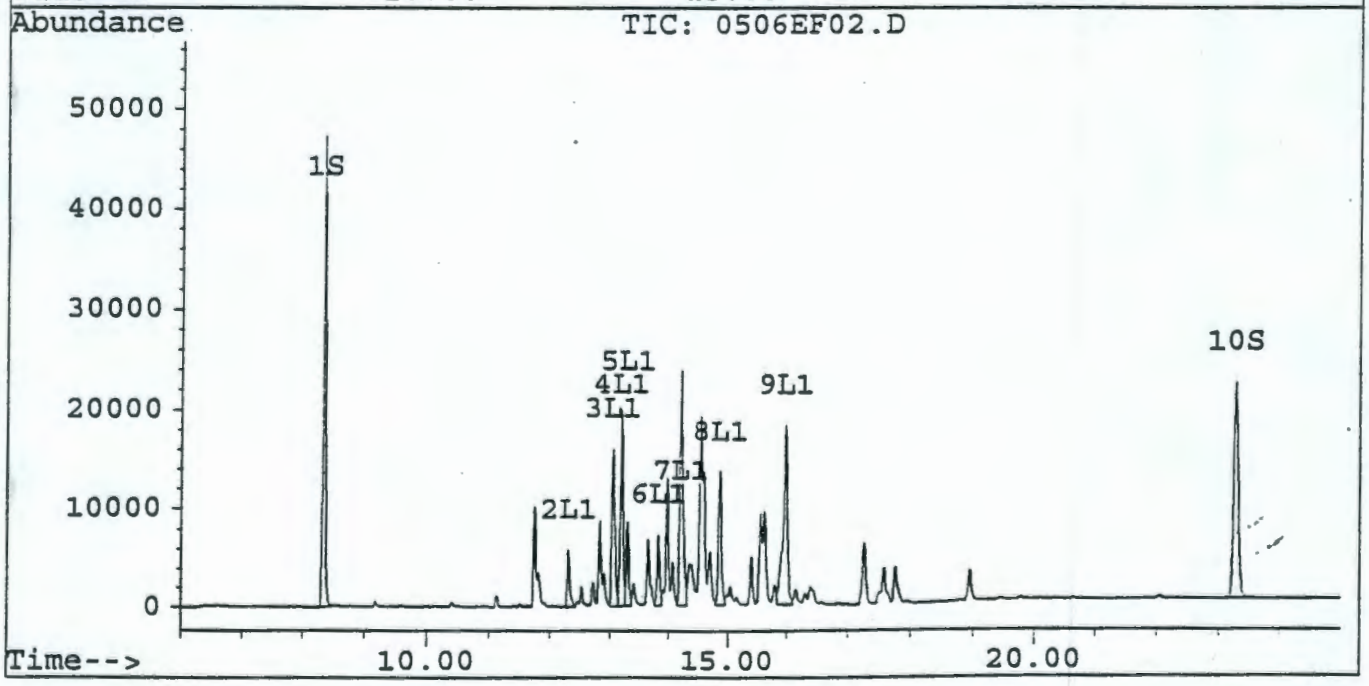
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE02.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE02.D\0506EF02.D
Acq On : 06 May 97 03:21 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:48 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE03.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE03.D\0506EF03.D
Acq On : 06 May 97 03:51 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 16:53 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	913583	1205175	39.13	39.89
			Recovery	=	78.26%	79.78%
18) S Decachlorobiphenyl	20.08	23.28	884103	1079584	37.21	38.41
			Recovery	=	74.42%	76.82%
Target Compounds						
2) L1 Aroclor-1016	8.73	9.56	247354	295835	389.72	398.98
3) L1 Aroclor-1016 {2}	9.48	10.39	451384	578541	395.05	395.64
4) L1 Aroclor-1016 {3}	9.84	10.79	125348	157596	386.38	386.10
5) L1 Aroclor-1016 {4}	9.94	10.93	195964	358104	386.86	388.03
6) L1 Aroclor-1016 {5}	10.30	11.12	854977	987909	390.58	393.62
7) L1 Aroclor-1016 {6}	10.55	11.41	415187	348927	387.59	362.34
8) L1 Aroclor-1016 {7}	10.74	11.65	303804	257420	381.72	379.31
9) L1 Aroclor-1016 {8}	11.37	12.31	389307	508994	385.45	386.90
Total Aroclor-1016			2983324	3493326	3103.35	3090.92
10) ML2 Aroclor-1260	13.41	14.59	515510	701345	384.58	394.90
11) ML2 Aroclor-1260 {2}	13.81	14.86	630387	788064	386.41	393.53
12) ML2 Aroclor-1260 {3}	14.07	15.39	335968	319969	376.45	382.78
13) ML2 Aroclor-1260 {4}	14.17	16.15	333335	616451	376.24	388.89
14) ML2 Aroclor-1260 {5}	15.37	17.24	488108	652256	377.59	383.73
15) ML2 Aroclor-1260 {6}	16.11	17.76	973019	1198848	379.34	382.56
16) ML2 Aroclor-1260 {7}	17.23	18.96	781265	903306	372.45	380.08
17) ML2 Aroclor-1260 {8}	18.85	20.64	261381	317875	358.31	371.07
Total Aroclor-1260			4318973	5498112	3011.37	3077.54

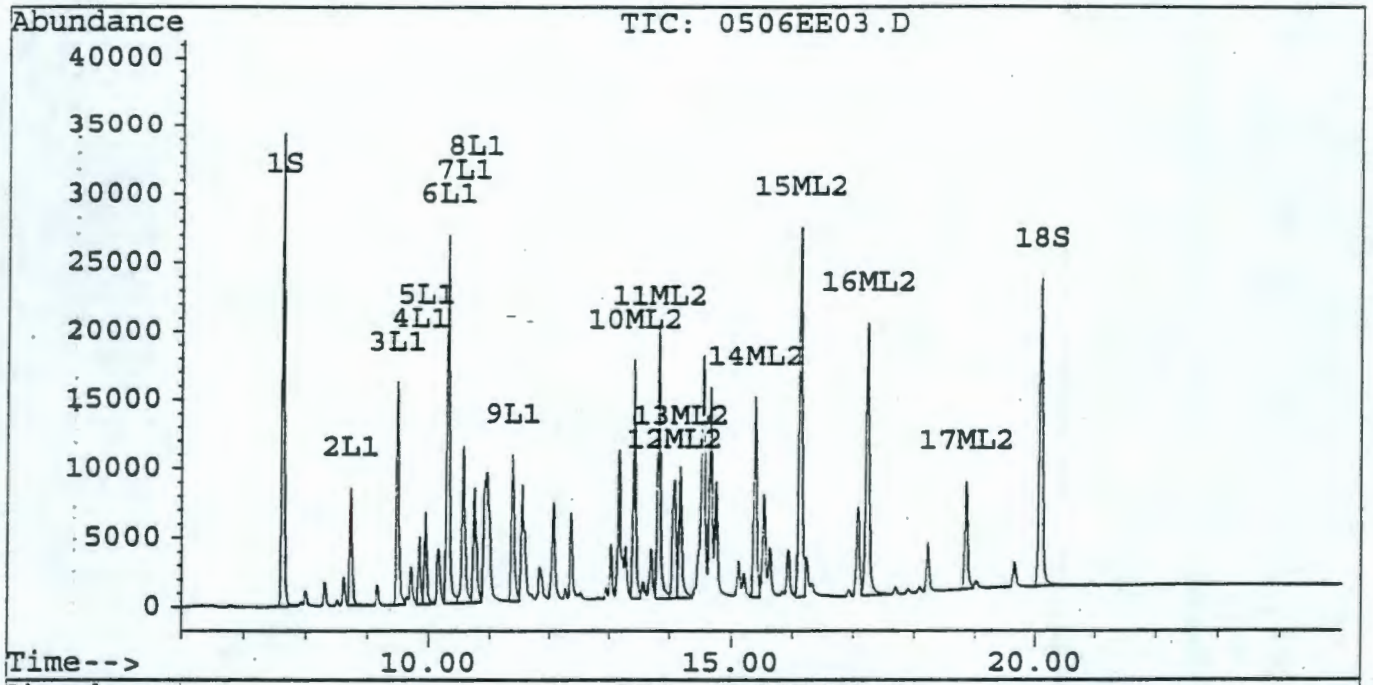
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

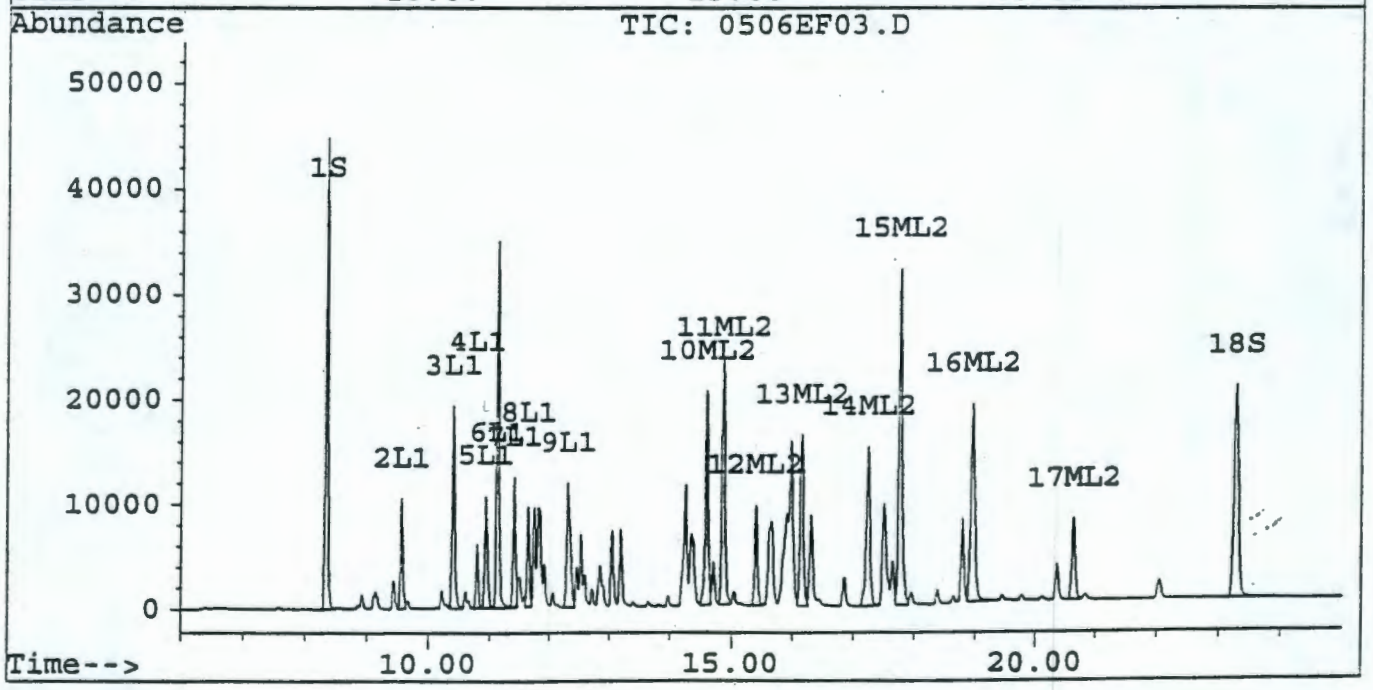
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE03.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE03.D\0506EF03.D
Acq On : 06 May 97 03:51 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 16:53 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE13.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE13.D\0506EF13.D
Acq On : 06 May 97 09:24 PM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 7:59 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.33	942056	1269151	39.65	41.71
			Recovery	=	79.30%	83.42%
10) S Decachlorobiphenyl	20.07	23.28	961050	1197648	38.80	41.05
			Recovery	=	77.60%	82.10%
Target Compounds						
2) L1 Aroclor-1248	9.48	10.39	196254	254024	395.44	400.09
3) L1 Aroclor-1248 {2}	10.29	11.12	475124	579838	385.90	406.43
4) L1 Aroclor-1248 {3}	10.55	12.30	212807	637104	393.50	405.03
5) L1 Aroclor-1248 {4}	11.37	12.72	506329	284792	394.66	393.59
6) L1 Aroclor-1248 {5}	11.53	13.04	427966	245726	394.51	405.26
7) L1 Aroclor-1248 {6}	11.86	13.19	366983	272636	385.99	405.19
8) L1 Aroclor-1248 {7}	13.14	13.40	232616	476840	388.24	405.56
9) L1 Aroclor-1248 {8}	13.56	14.20	179876	345962	374.41	407.30
Total Aroclor-1248			2597955	3096922	3112.65	3228.45

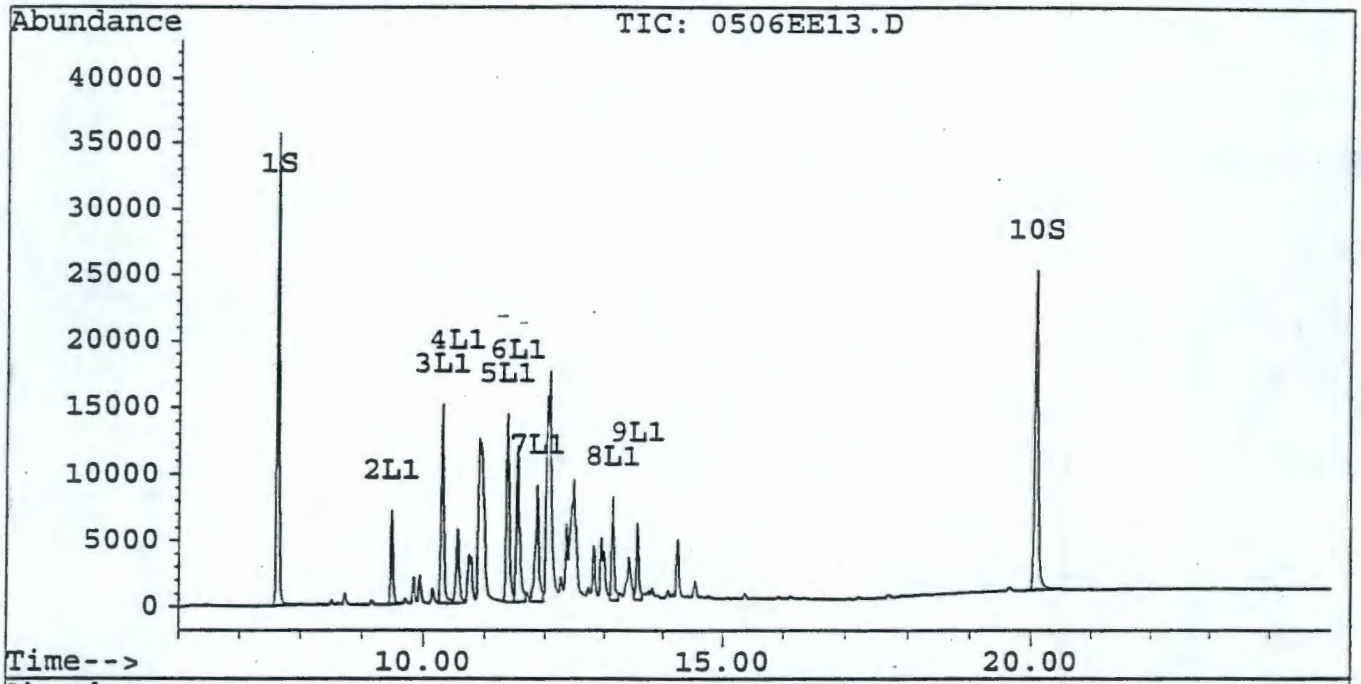
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

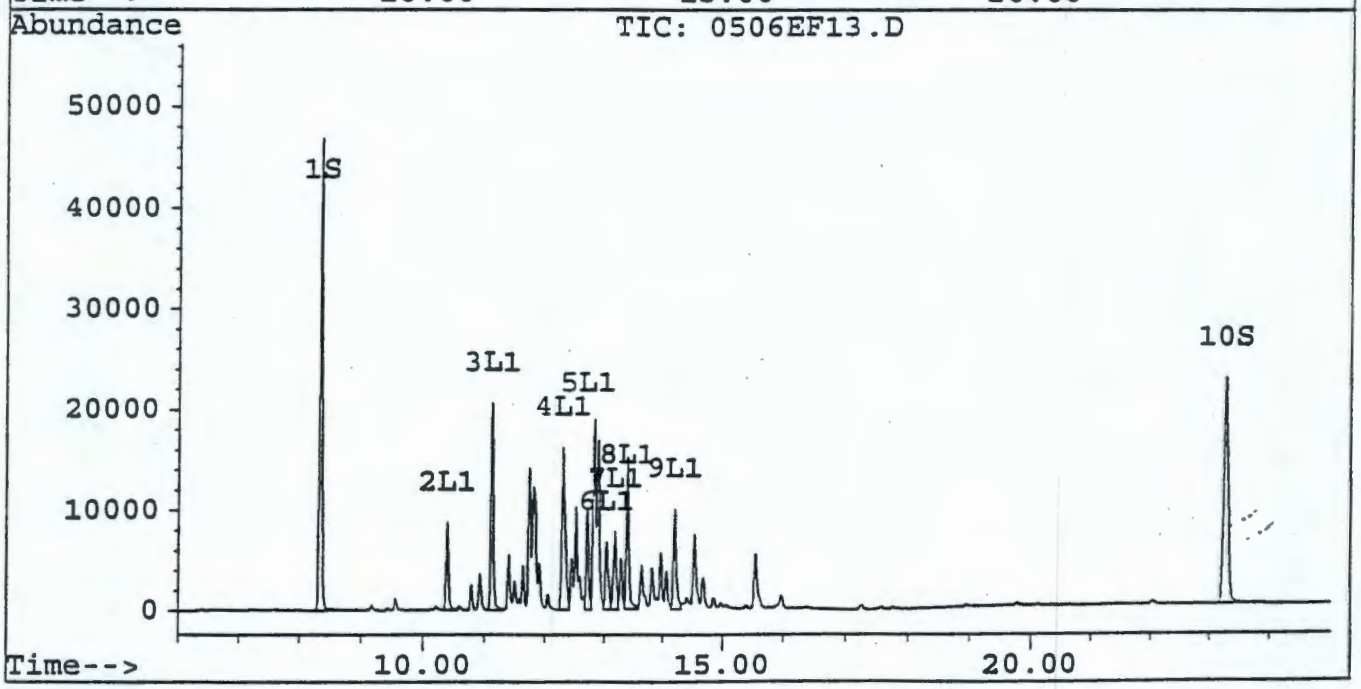
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE13.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE13.D\0506EF13.D
Acq On : 06 May 97 09:24 PM Operator: MBROWN
Sample : 1248 MX-B99-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 7:59 1997

Method : C:\HPCHEM\5\METHODS\A8050597.M
Title : PCB
Last Update : Tue May 06 09:13:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE14.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE14.D\0506EF14.D
Acq On : 06 May 97 09:54 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 22:21 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.33	985685	1324933	39.73	41.52
				Recovery	=	79.46%	83.04%
10)	S Decachlorobiphenyl	20.07	23.27	988124	1226931	38.59	40.80
				Recovery	=	77.18%	81.60%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.30	710684	189843	386.76	398.63
3)	L1 Aroclor-1254 {2}	12.81	13.04	222001	601959	383.06	404.15
4)	L1 Aroclor-1254 {3}	13.14	13.19	682560	656779	387.97	404.58
5)	L1 Aroclor-1254 {4}	13.41	13.29	438166	272793	387.26	401.98
6)	L1 Aroclor-1254 {5}	13.56	13.82	480323	235656	381.83	398.32
7)	L1 Aroclor-1254 {6}	14.08	14.20	229280	905407	382.48	407.96
8)	L1 Aroclor-1254 {7}	14.24	14.85	312737	476000	371.07	406.57
9)	L1 Aroclor-1254 {8}	14.53	15.96	699617	996324	381.15	399.92
	Total Aroclor-1254			3775367	4334761	3061.58	3222.11

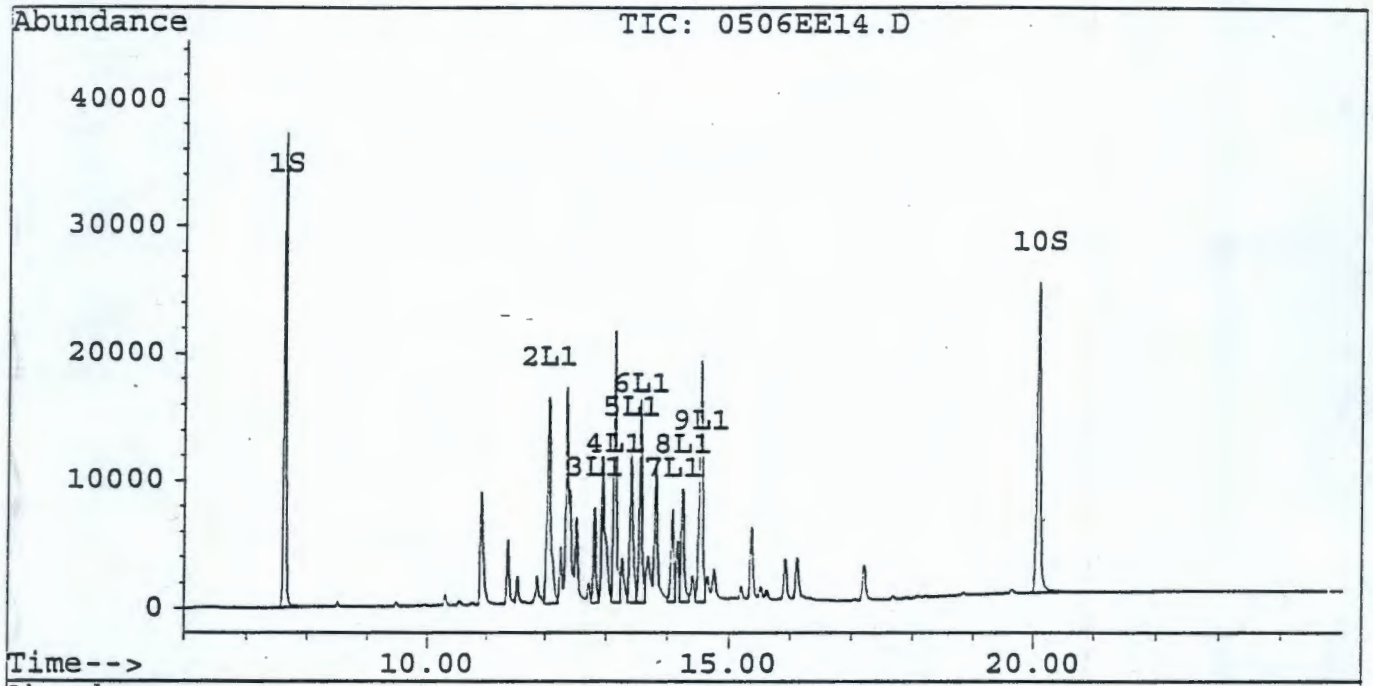
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

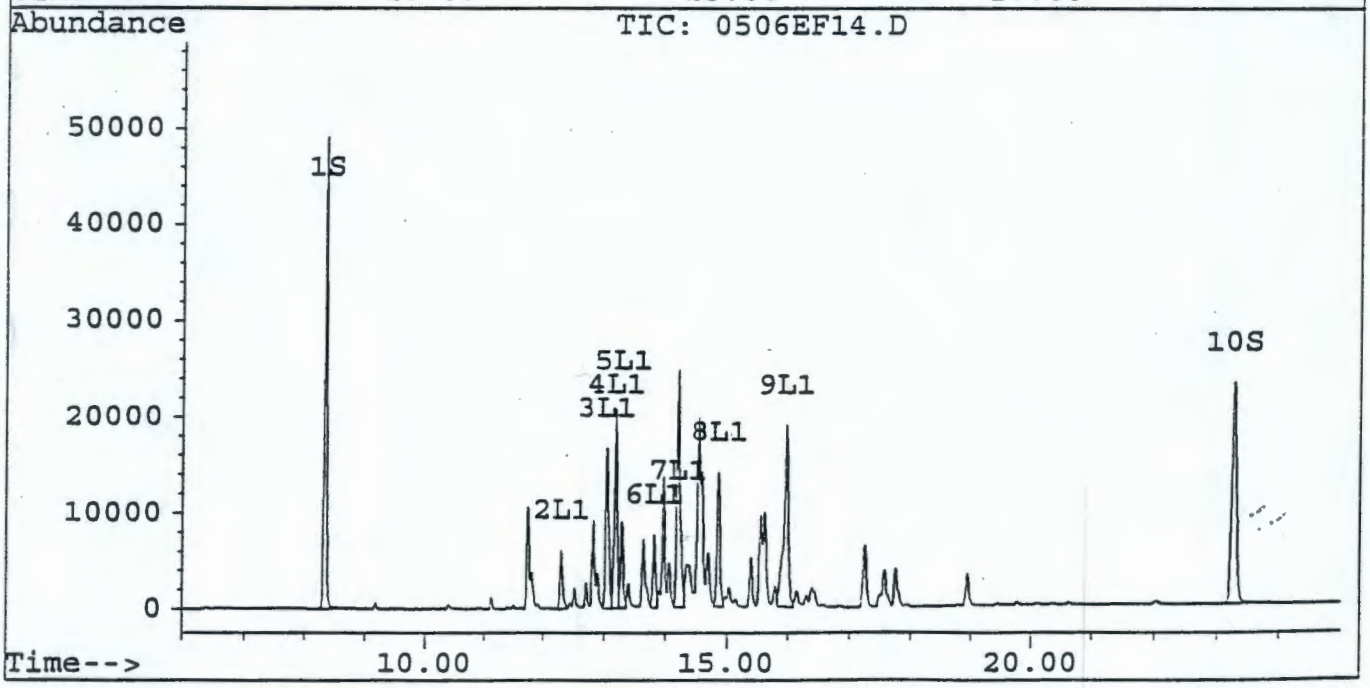
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE14.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE14.D\0506EF14.D
Acq On : 06 May 97 09:54 PM Operator: MBROWN
Sample : 1254 MX-C28-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 22:21 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE15.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE15.D\0506EF15.D
Acq On : 06 May 97 10:24 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 8:06 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : RTX-1701 Signal #2 Phase: RTX-50
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.33	929749	1257398	39.83	41.67
			Recovery	=	79.66%	83.34%
18) S Decachlorobiphenyl	20.07	23.27	913892	1142597	38.52	40.76
			Recovery	=	77.04%	81.52%
Target Compounds						
2) L1 Aroclor-1016	8.72	9.55	252397	307789	398.15	416.37
3) L1 Aroclor-1016 {2}	9.47	10.38	459567	604301	402.74	415.02
4) L1 Aroclor-1016 {3}	9.83	10.78	127835	166077	394.18	407.38
5) L1 Aroclor-1016 {4}	9.93	10.92	199960	375682	395.05	408.12
6) L1 Aroclor-1016 {5}	10.29	11.12	865775	1027469	395.83	410.66
7) L1 Aroclor-1016 {6}	10.55	11.40	422365	362416	394.60	376.64
8) L1 Aroclor-1016 {7}	10.73	11.64	310570	269177	390.45	397.23
9) L1 Aroclor-1016 {8}	11.36	12.30	397313	534746	393.72	407.72
Total Aroclor-1016			3035783	3647658	3164.72	3239.14
10) ML2 Aroclor-1260	13.40	14.58	526538	732163	393.51	413.64
11) ML2 Aroclor-1260 {2}	13.80	14.85	640787	823805	393.26	412.73
12) ML2 Aroclor-1260 {3}	14.06	15.38	344139	336094	386.18	402.38
13) ML2 Aroclor-1260 {4}	14.16	16.14	340430	649626	384.54	410.71
14) ML2 Aroclor-1260 {5}	15.36	17.23	497315	686412	384.98	404.68
15) ML2 Aroclor-1260 {6}	16.10	17.75	985703	1265774	384.37	404.83
16) ML2 Aroclor-1260 {7}	17.22	18.95	801322	956288	382.18	402.97
17) ML2 Aroclor-1260 {8}	18.84	20.63	270914	335655	371.37	392.09
Total Aroclor-1260			4407149	5785818	3080.40	3244.02

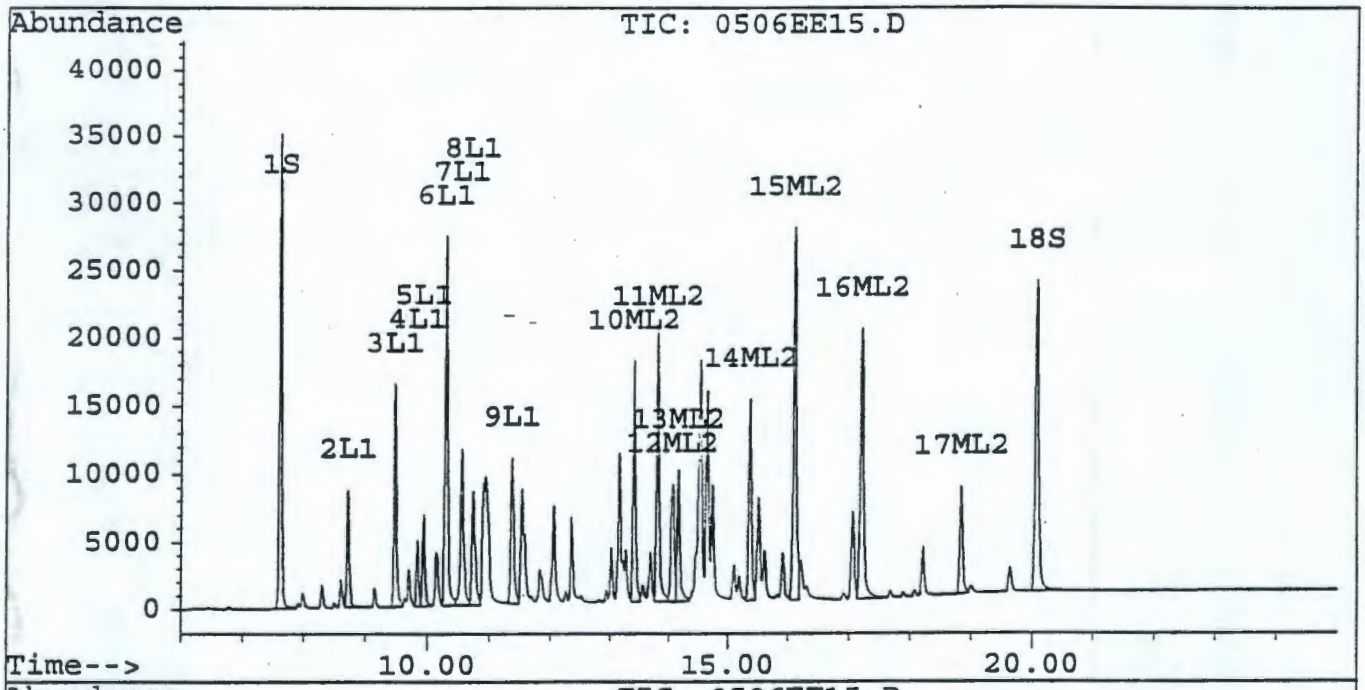
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

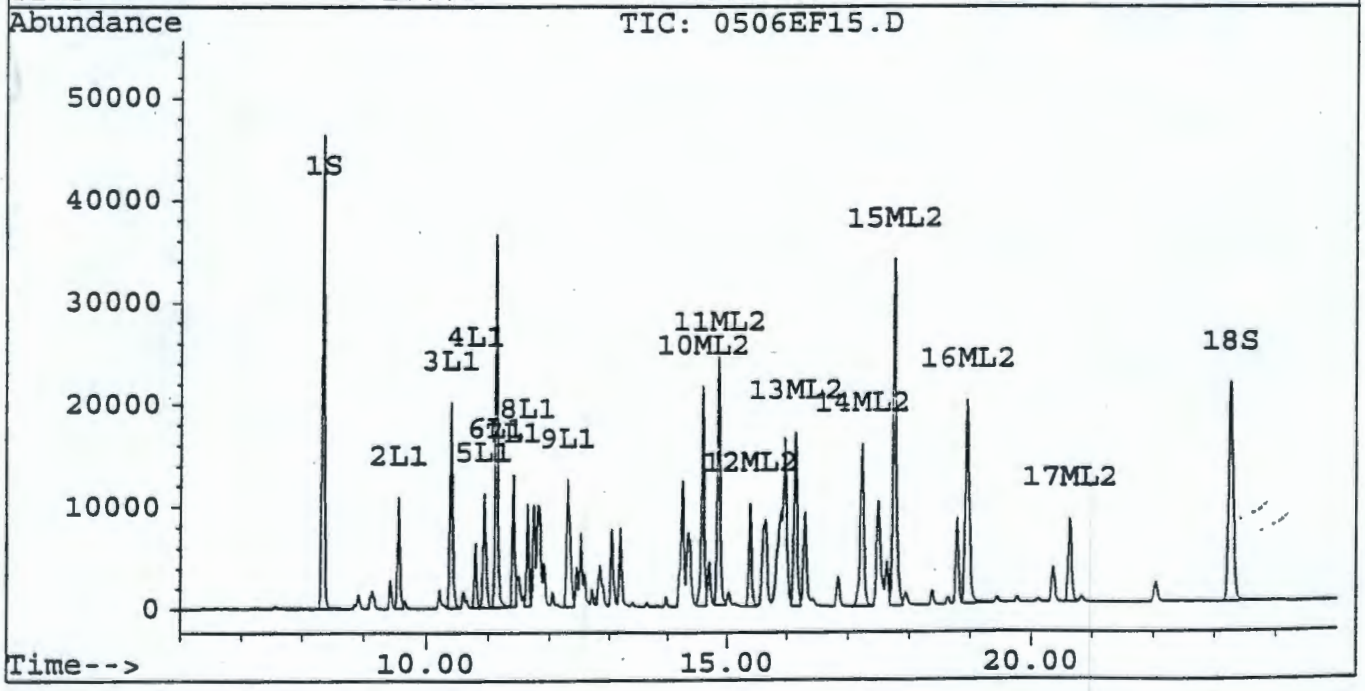
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE15.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE15.D\0506EF15.D
Acq On : 06 May 97 10:24 PM Operator: MBROWN
Sample : 1016/1260 MX-C25-02 20% CCV Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 8:06 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : RTX-1701 Signal #2 Phase: RTX-50
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Sample Raw Data

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE23.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE23.D\0505EF23.D
Acq On : 05 May 97 08:33 PM Operator: MBROWN
Sample : SRB1 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:26 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.33	1253947	1615259	53.78	53.86
			Recovery	=	107.56%	107.72%
18) S Decachlorobiphenyl	20.07	23.28	1323553	1539560	56.51	55.58
			Recovery	=	113.02%	111.16%
Target Compounds						
2) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
3) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {5}	0.00	0.00	0	0	N.D.	N.D.
7) L1 Aroclor-1016 {6}	0.00	0.00	0	0	N.D.	N.D.
8) L1 Aroclor-1016 {7}	0.00	11.60	0	12649	N.D.	6.23 #
9) L1 Aroclor-1016 {8}	11.35	0.00	9151	0	N.D.	N.D.
Total Aroclor-1016			0	12649	N.D.	6.23
10) ML2 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
11) ML2 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
12) ML2 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
13) ML2 Aroclor-1260 {4}	0.00	0.00	0	0	N.D.	N.D.
14) ML2 Aroclor-1260 {5}	0.00	0.00	0	0	N.D.	N.D.
15) ML2 Aroclor-1260 {6}	0.00	0.00	0	0	N.D.	N.D.
16) ML2 Aroclor-1260 {7}	0.00	0.00	0	0	N.D.	N.D.
17) ML2 Aroclor-1260 {8}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	0	N.D.	N.D.

BM
5/15/97

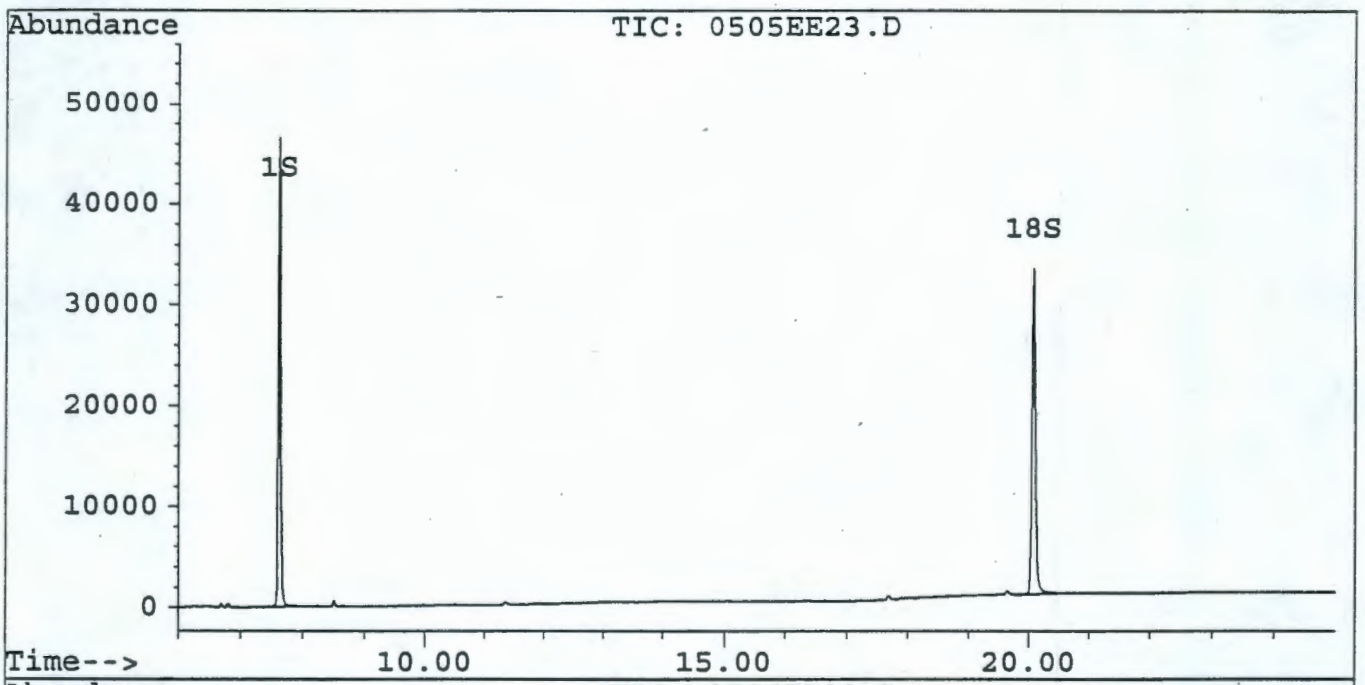
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

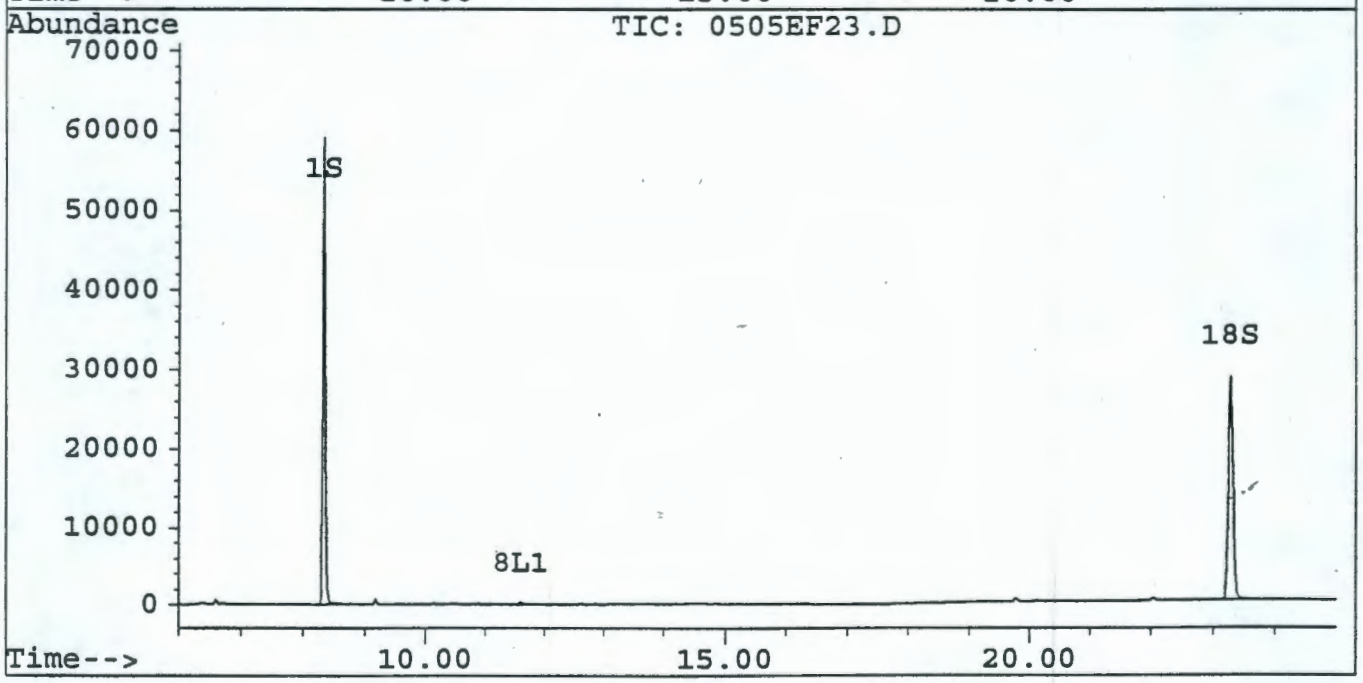
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE23.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE23.D\0505EF23.D
Acq On : 05 May 97 08:33 PM Operator: MBROWN
Sample : SRB1 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:26 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE05.D\0506EF05.D
Acq On : 06 May 97 04:51 PM Operator: MBROWN
Sample : 9704203-1 DL4 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:20 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.63	8.34	311644	431553	13.24	13.53
				Recovery	=	26.48%	27.06%
18)	S Decachlorobiphenyl	20.08	23.28	334349	415329	13.06	13.60
				Recovery	=	26.12%	27.20%
	Target Compounds						
2)	L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
3)	L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
4)	L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5)	L1 Aroclor-1016 {4}	0.00	0.00	0	0	N.D.	N.D.
6)	L1 Aroclor-1016 {5}	0.00	11.13	0	4958	N.D.	N.D.
7)	L1 Aroclor-1016 {6}	0.00	0.00	0	0	N.D.	N.D.
8)	L1 Aroclor-1016 {7}	0.00	11.63	0	4527	N.D.	N.D.
9)	L1 Aroclor-1016 {8}	11.37	12.31	15619	38493	N.D.	6.49 #
	Total Aroclor-1016			0	38493	N.D.	N.D.
10)	ML2 Aroclor-1260	13.41	14.59	244294	290236	165.04	145.02
11)	ML2 Aroclor-1260 {2}	13.81	14.86	262908	338080	144.02	151.86
12)	ML2 Aroclor-1260 {3}	14.08	15.39	142373	115735	145.91	134.56
13)	ML2 Aroclor-1260 {4}	14.17	16.15	86281	51673	87.35	17.45
14)	ML2 Aroclor-1260 {5}	15.37	17.26	151267	204874	107.23	109.27
15)	ML2 Aroclor-1260 {6}	16.12	17.76	84087	113552	26.88	21.36
16)	ML2 Aroclor-1260 {7}	17.22	18.95	72944	90155	28.63	28.90
17)	ML2 Aroclor-1260 {8}	18.85	20.64	1752	5908	2.48	2.17
	Total Aroclor-1260			1045908	1210211	707.55	610.58

DF = 4

1254 - 228 ng/ml

5/8/97

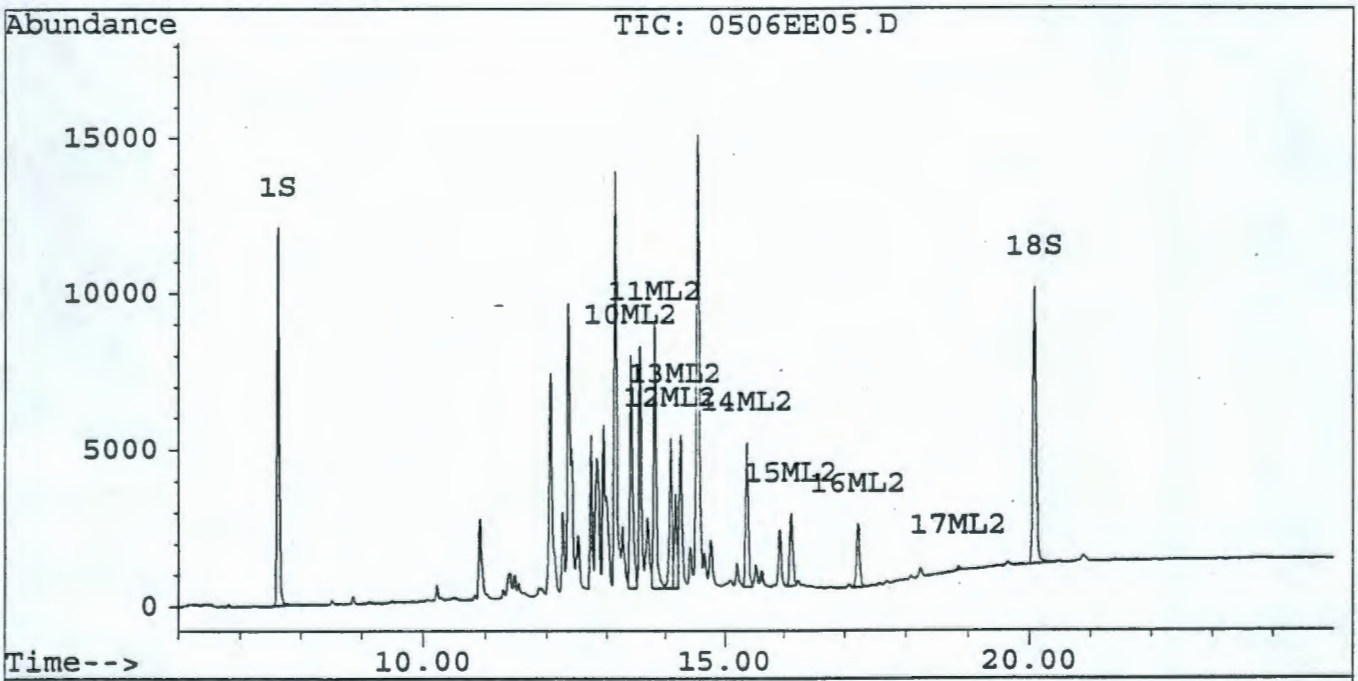
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

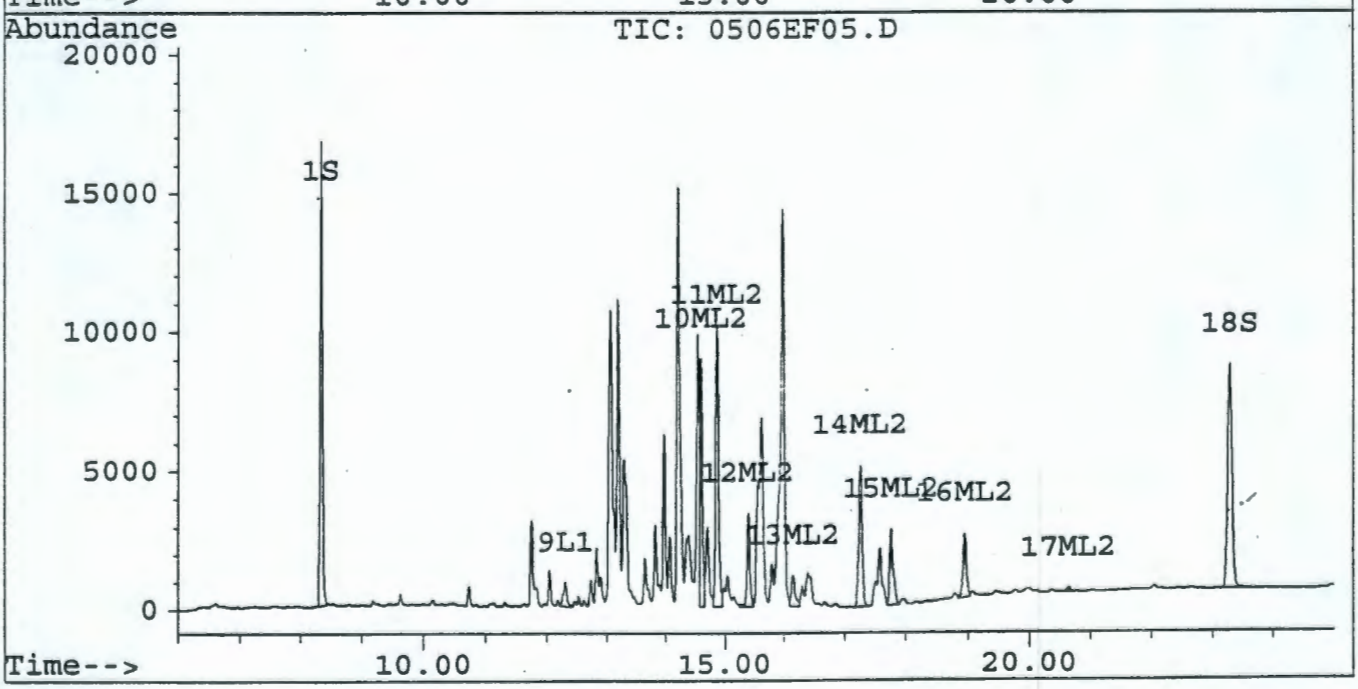
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE05.D\0506EF05.D
Acq On : 06 May 97 04:51 PM Operator: MBROWN
Sample : 9704203-1 DL4 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:20 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE05.D\0506EF05.D
Acq On : 06 May 97 04:51 PM Operator: MBROWN
Sample : 9704203-1 DL4 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:21 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.63	8.34	312272	438911	12.13	12.73
			Recovery	=	24.26%	25.46%
10) S Decachlorobiphenyl	20.08	23.28	334376	415329	11.43	12.15
			Recovery	=	22.86%	24.30%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	270270	38462	127.85	65.77 #
3) L1 Aroclor-1254 {2}	12.84	13.06	201452	487026	345.36	320.33
4) L1 Aroclor-1254 {3}	13.14	13.19	437233	339766	239.28	191.13
5) L1 Aroclor-1254 {4}	13.41	13.30	258006	254261	214.91	372.76 #
6) L1 Aroclor-1254 {5}	13.56	13.82	235342	96088	171.89	150.58
7) L1 Aroclor-1254 {6}	14.08	14.20	151524	540902	243.59	233.52
8) L1 Aroclor-1254 {7}	14.25	14.86	175122	338363	200.11	281.88 #
9) L1 Aroclor-1254 {8}	14.54	15.97	528423	725791	282.84	286.16
Total Aroclor-1254			2257371	2820659	1825.83	1902.13

228 ng/ml

DF = 1

5/15/97

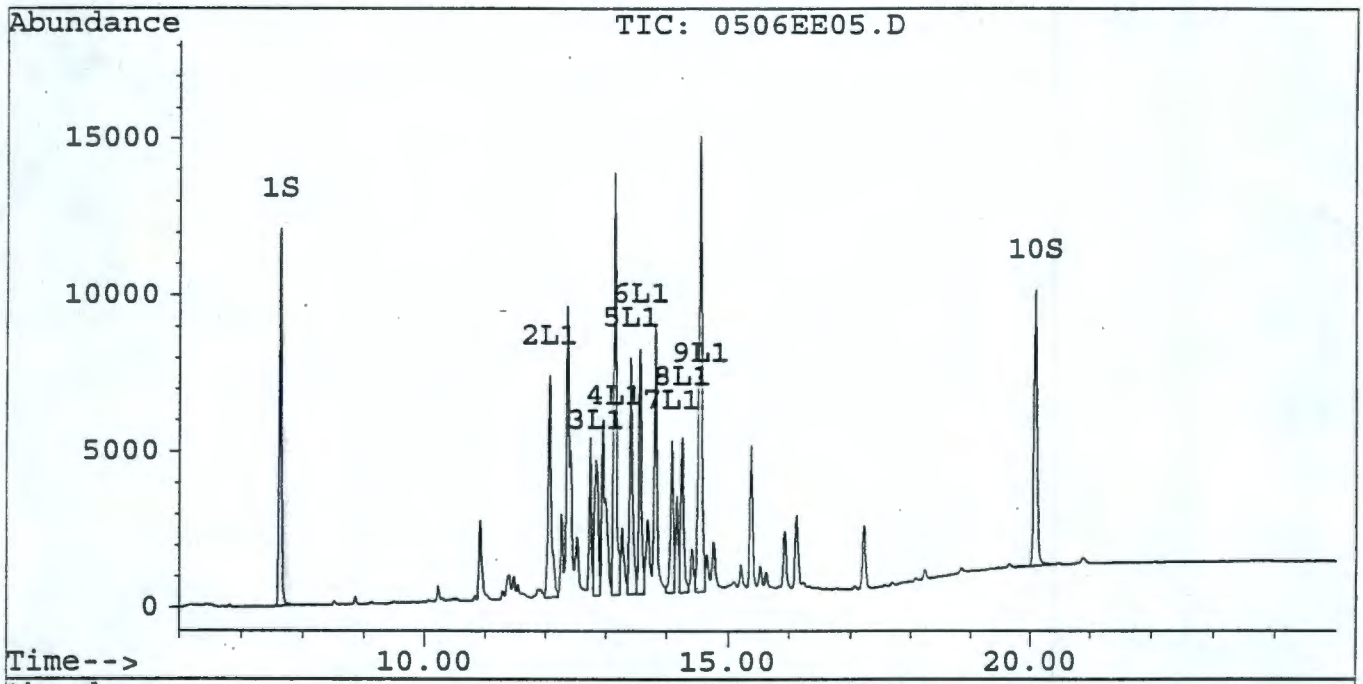
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

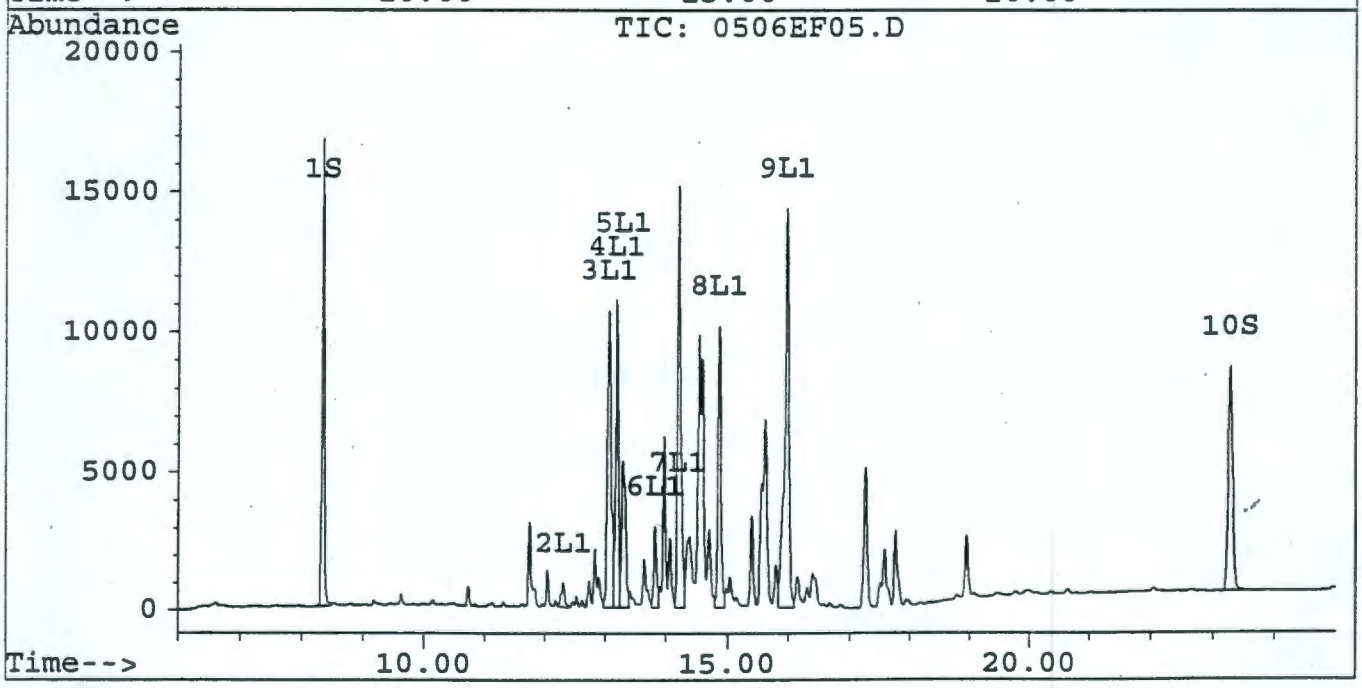
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE05.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE05.D\0506EF05.D
Acq On : 06 May 97 04:51 PM Operator: MBROWN
Sample : 9704203-1 DL4 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:21 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE26.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE26.D\0505EF26.D
Acq On : 05 May 97 10:04 PM Operator: MBROWN
Sample : 9704203-1 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.61	8.33	1222764	1573516	52.43	52.44
				Recovery	=	104.86%	104.88%
18)	S Decachlorobiphenyl	20.07	23.27	1260255	1494078	53.73	53.89
				Recovery	=	107.46%	107.78%
	Target Compounds						
2)	L1 Aroclor-1016	0.00	9.55	0	5391	N.D.	N.D.
3)	L1 Aroclor-1016 {2}	9.49	10.39	9988	2746	N.D.	N.D.
4)	L1 Aroclor-1016 {3}	0.00	10.84	0	7441	N.D.	9.32 #
5)	L1 Aroclor-1016 {4}	9.96	0.00	4518	0	N.D.	N.D.
6)	L1 Aroclor-1016 {5}	10.29	11.12	8796	16136	N.D.	N.D.
7)	L1 Aroclor-1016 {6}	0.00	11.39	0	6216	N.D.	N.D.
8)	L1 Aroclor-1016 {7}	0.00	11.63	0	20002	N.D.	17.44 #
9)	L1 Aroclor-1016 {8}	11.39	12.30	135482	164470	123.51	108.34
	Total Aroclor-1016			135482	191914	77.39	47.91
10)	ML2 Aroclor-1260	13.40	14.58	865837	905050	668.16	518.72
11)	ML2 Aroclor-1260 {2}	13.80	14.85	920608	1066883	577.83	543.28
12)	ML2 Aroclor-1260 {3}	14.07	15.38	531246	409037	608.99	491.03
13)	ML2 Aroclor-1260 {4}	14.16	16.14	339944	186657	383.97	106.23
14)	ML2 Aroclor-1260 {5}	15.35	17.26	600308	751679	467.65	444.72
15)	ML2 Aroclor-1260 {6}	16.11	17.75	362619	443296	137.32	131.10
16)	ML2 Aroclor-1260 {7}	17.21	18.95	300719	354938	139.19	143.25
17)	ML2 Aroclor-1260 {8}	18.84	20.63	31768	31404	43.62	32.32
	Total Aroclor-1260			3953048	4148944	3026.74	2410.65

1254 - 796ng/ml

Recon at 4X

5/15/97

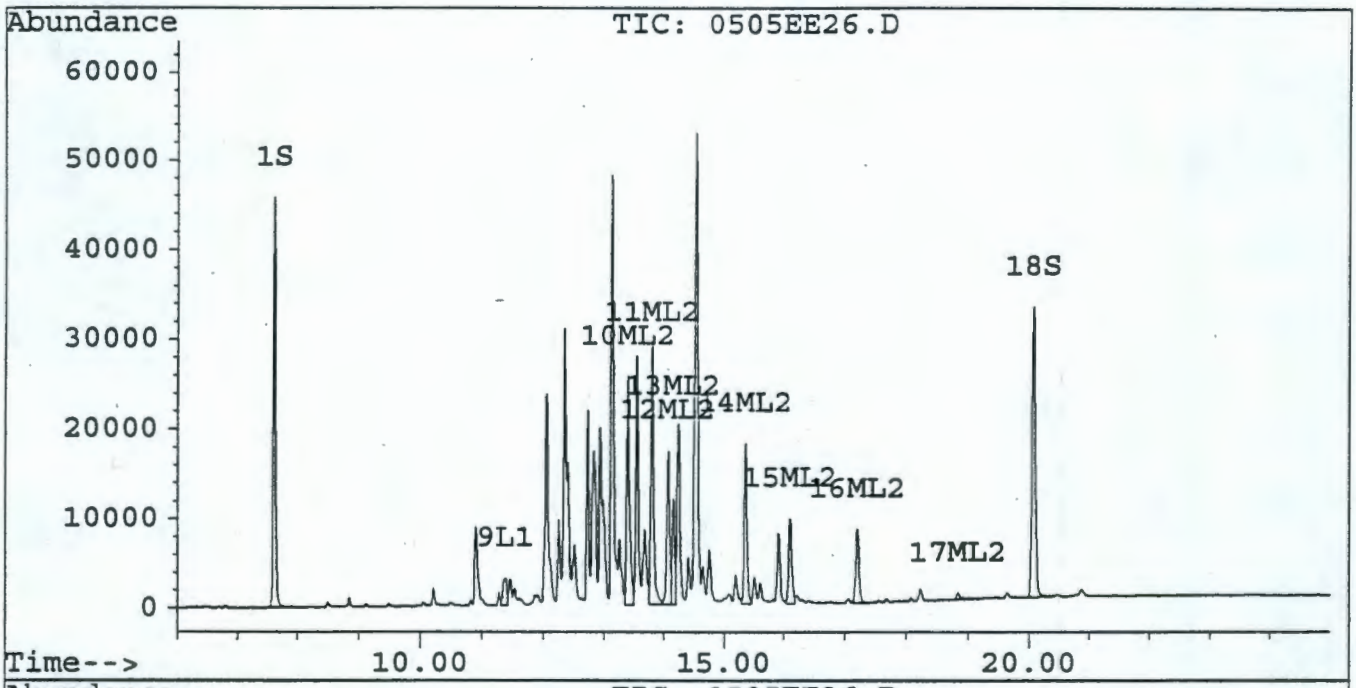
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

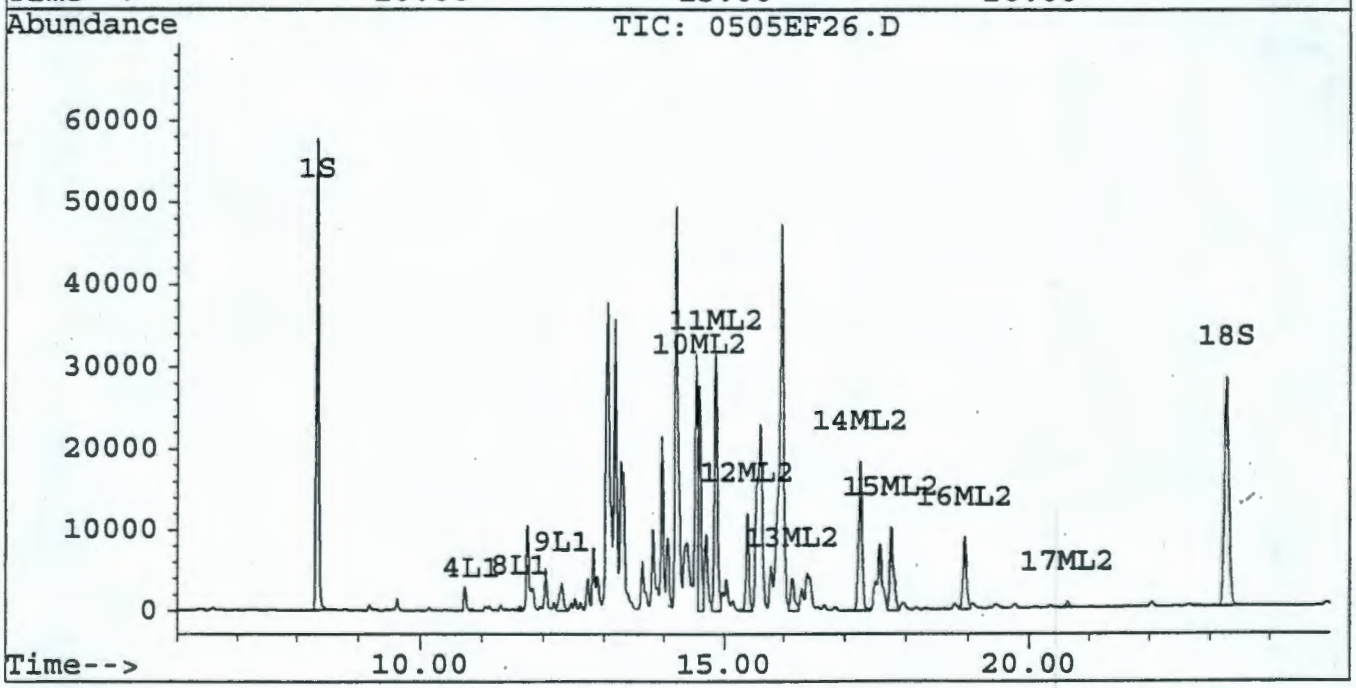
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE26.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE26.D\0505EF26.D
Acq On : 05 May 97 10:04 PM Operator: MBROWN
Sample : 9704203-1 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE26.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE26.D\0505EF26.D
Acq On : 05 May 97 10:04 PM Operator: MBROWN
Sample : 9704203-1 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:14 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.61	8.33	1225238	1582019	49.55	49.87
				Recovery	=	99.10%	99.74%
10)	S Decachlorobiphenyl	20.07	23.27	1260255	1494078	49.89	50.23
				Recovery	=	99.78%	100.46%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.30	924021	165989	512.18	346.18 #
3)	L1 Aroclor-1254 {2}	12.84	13.06	796596	1747240	1437.09	1239.42
4)	L1 Aroclor-1254 {3}	13.14	13.19	1538813	1092870	906.94	698.21
5)	L1 Aroclor-1254 {4}	13.40	13.29	865837	483465	796.40	734.21
6)	L1 Aroclor-1254 {5}	13.55	13.82	812803	327907	666.75	562.08
7)	L1 Aroclor-1254 {6}	14.07	14.19	531246	1774714	921.86	823.96
8)	L1 Aroclor-1254 {7}	14.24	14.85	684875	1067387	833.39	942.32
9)	L1 Aroclor-1254 {8}	14.53	15.96	1905197	2465914	1073.46	1017.85
Total	Aroclor-1254			8059387	9125485	7148.08	6364.23

796 ng/ml

E

Re run at 4X

5/15/97

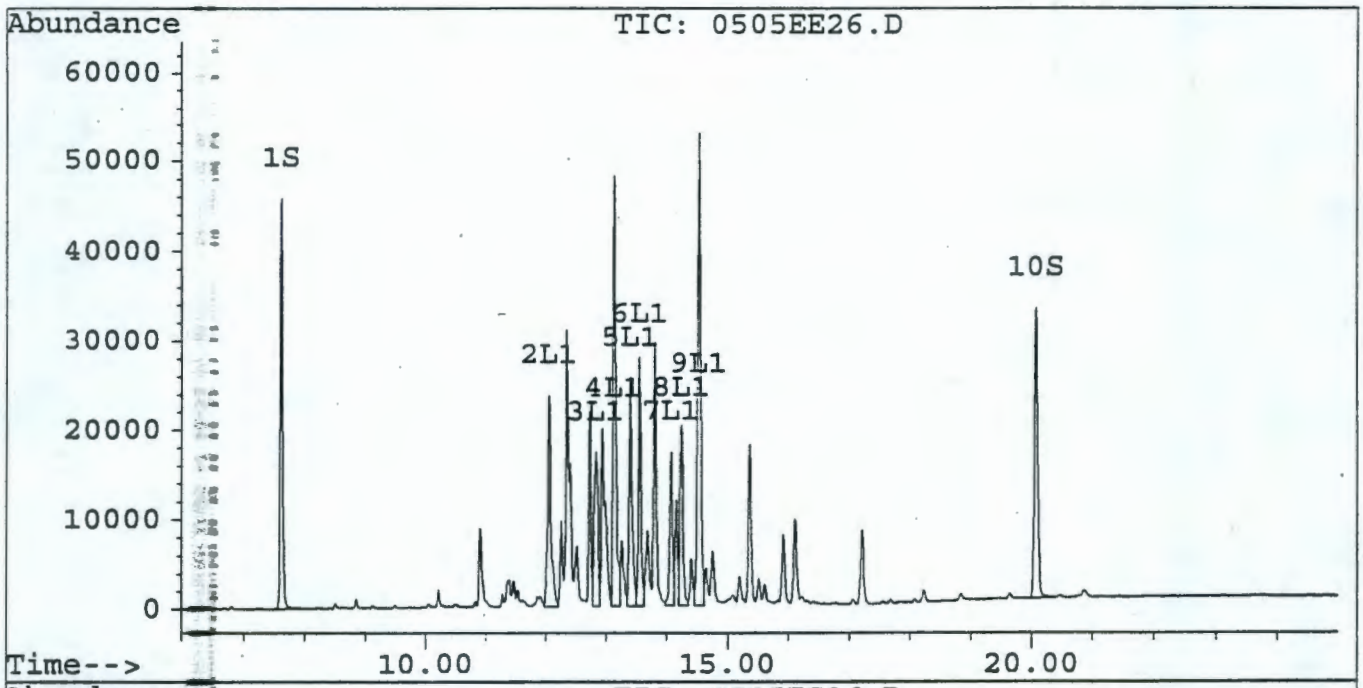
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

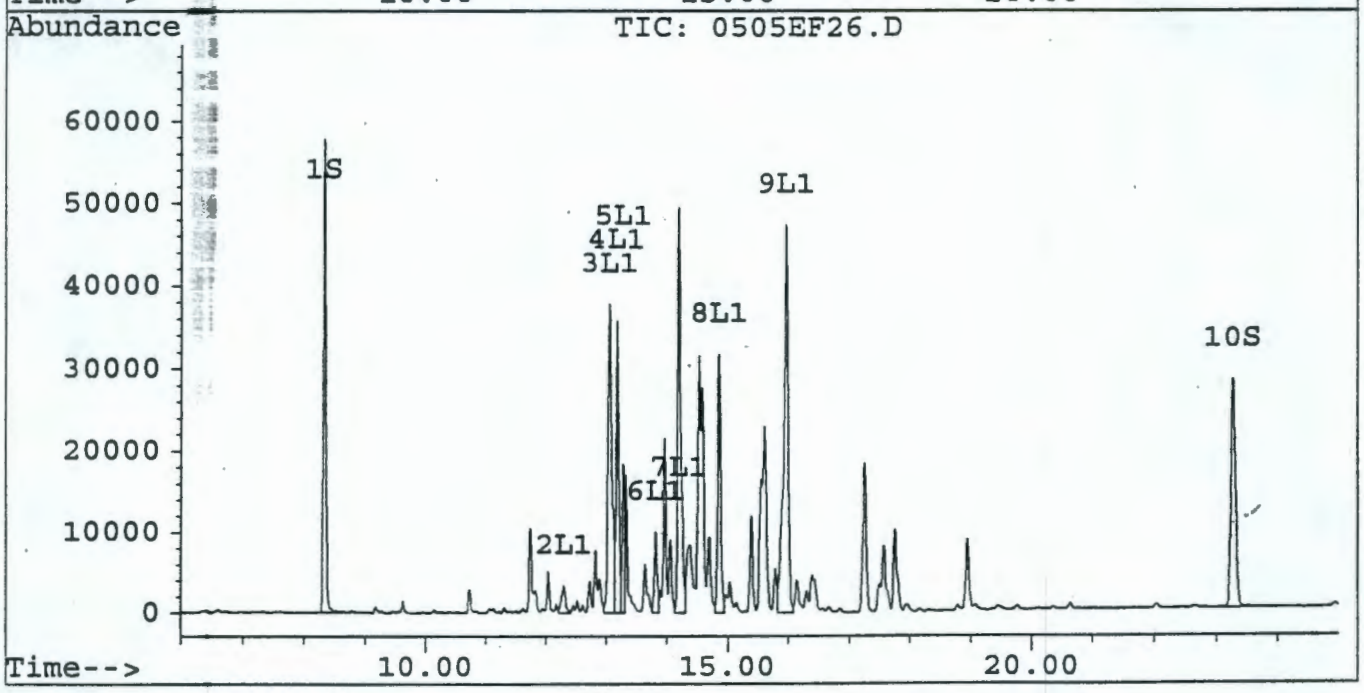
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE26.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE26.D\0505EF26.D
Acq On : 05 May 97 10:04 PM Operator: MBROWN
Sample : 9704203-1 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:14 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE06.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE06.D\0506EF06.D
Acq On : 06 May 97 05:22 PM Operator: MBROWN
Sample : 9704203-2 DL100 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 7:45 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	S TCMX	7.62	8.34	14241	24490	N.D.	N.D.
				Recovery	=	0.00%	0.00%
10)	S Decachlorobiphenyl	20.08	23.28	16064	20544	N.D.	N.D.
				Recovery	=	0.00%	0.00%
	Target Compounds						
2)	L1 Aroclor-1254	12.06	12.31	639202	125723	344.74	257.65 #
3)	L1 Aroclor-1254 {2}	12.82	13.05	235776	583855	408.33	390.95
4)	L1 Aroclor-1254 {3}	13.14	13.19	750344	645692	429.05	397.12
5)	L1 Aroclor-1254 {4}	13.41	13.30	480321	273496	427.59	403.09
6)	L1 Aroclor-1254 {5}	13.56	13.82	534122	244175	427.93	413.45
7)	L1 Aroclor-1254 {6}	14.08	14.20	258018	980850	433.82	444.06
8)	L1 Aroclor-1254 {7}	14.25	14.86	357162	527869	426.26	453.55
9)	L1 Aroclor-1254 {8}	14.54	15.97	825943	1140128	453.69	460.38
	Total Aroclor-1254			4080890	4521789	3351.41	3220.24

403 ng/ml

DF = 100

1254 - 403 ng/ml

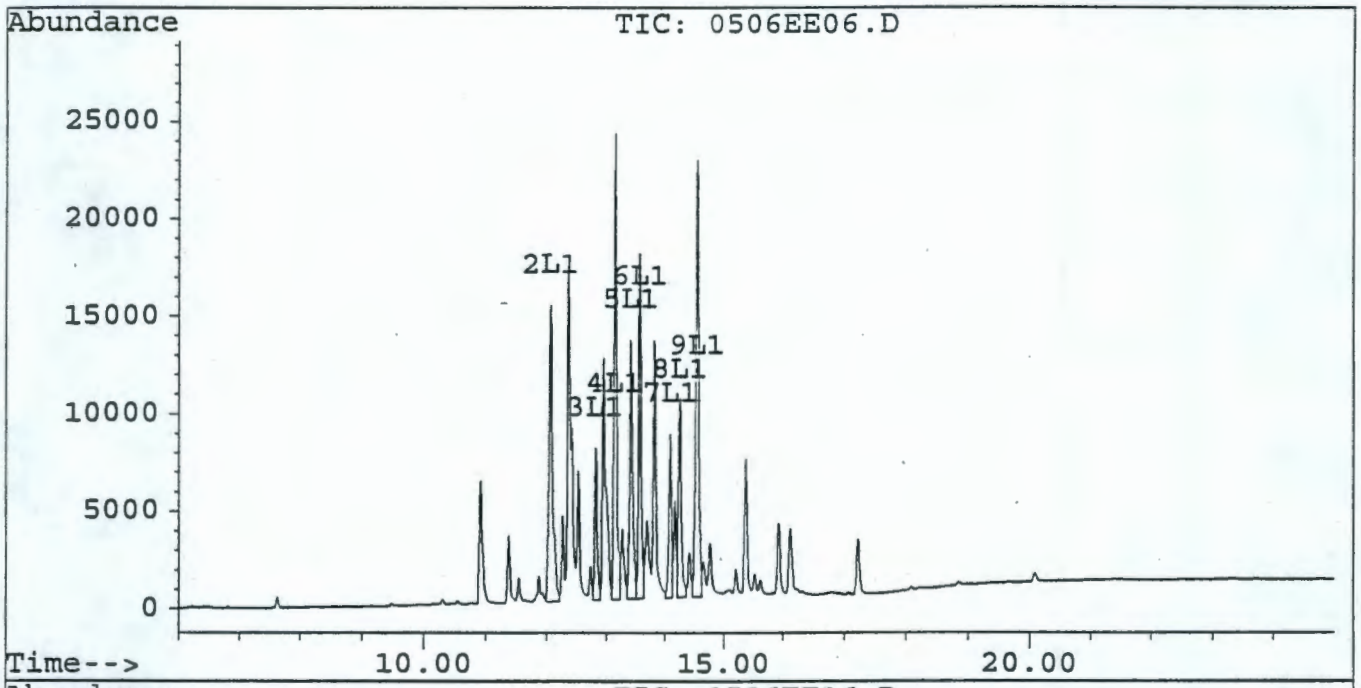
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

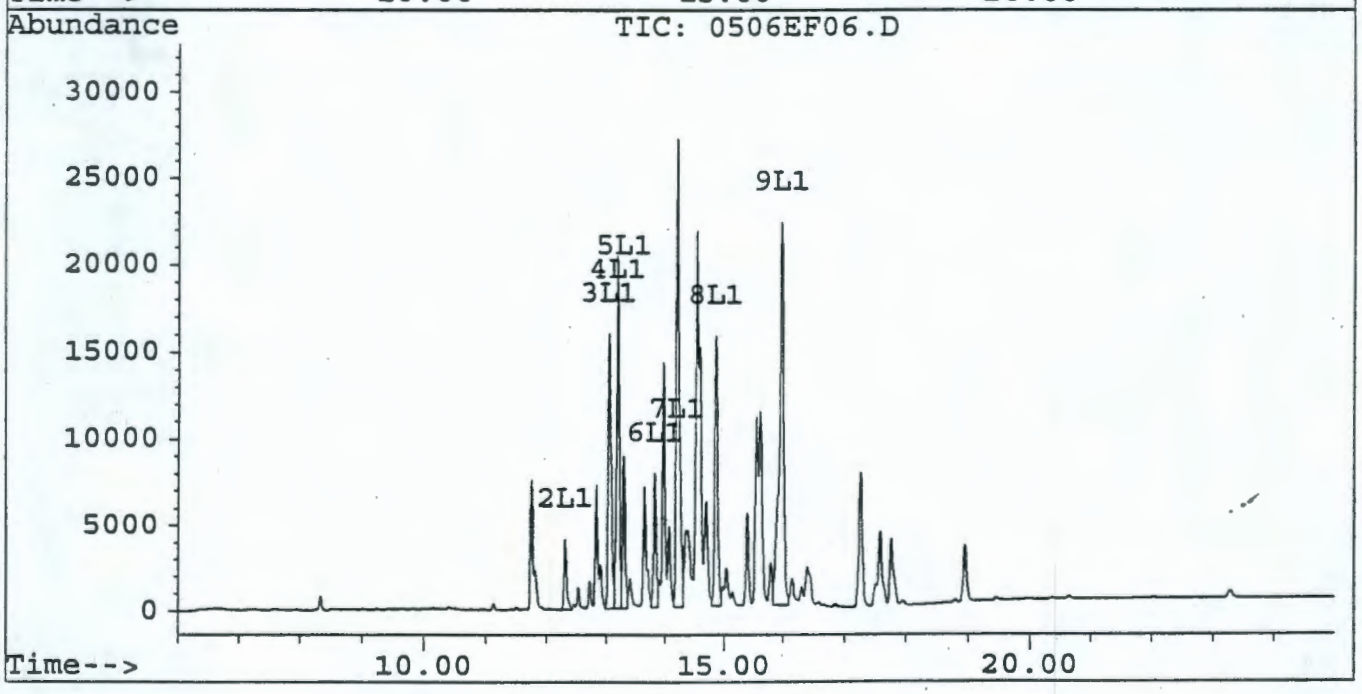
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE06.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE06.D\0506EF06.D
Acq On : 06 May 97 05:22 PM Operator: MBROWN
Sample : 9704203-2 DL100 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 7 7:45 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE27.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE27.D\0505EF27.D
Acq On : 05 May 97 10:34 PM Operator: MBROWN
Sample : 9704203-2 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.61	8.33	1207450	1538456	51.78	51.24
			Recovery	=	103.56%	102.48%
18) S Decachlorobiphenyl	20.07	23.27	1329019	1539447	56.75	55.58
			Recovery	=	113.50%	111.16%
Target Compounds						
2) L1 Aroclor-1016	8.72	9.55	41955	49462	46.35	40.45
3) L1 Aroclor-1016 {2}	9.47	10.38	236335	281622	192.87	172.28
4) L1 Aroclor-1016 {3}	9.83	10.78	63150	92714	191.49	223.29
5) L1 Aroclor-1016 {4}	9.93	10.92	92898	198678	175.65	205.87
6) L1 Aroclor-1016 {5}	10.29	11.12	521446	628983	228.46	238.99
7) L1 Aroclor-1016 {6}	10.53	11.40	417850	173235	390.19	176.09 #
8) L1 Aroclor-1016 {7}	10.73	11.64	104363	170423	124.28	246.71 #
9) L1 Aroclor-1016 {8}	11.36	12.30	5206181	5876906	5356.37	4726.92
Total Aroclor-1016			6684179	7472024	6705.67	6030.61
10) ML2 Aroclor-1260	13.40	14.57	23685785	16929570	19140.26	10259
11) ML2 Aroclor-1260 {2}	13.80	14.85	20881969	20578022	13743.89	11022
12) ML2 Aroclor-1260 {3}	14.07	15.38	12963467	9600008	15413.78	11661
13) ML2 Aroclor-1260 {4}	14.15	16.14	8646851	3599905	10097.73	2351.
14) ML2 Aroclor-1260 {5}	15.35	17.25	15138872	16753052	12137.08	10261
15) ML2 Aroclor-1260 {6}	16.10	17.75	9253827	10328915	3662.65	3421.1
16) ML2 Aroclor-1260 {7}	17.21	18.94	7815117	8168368	3786.64	3517.7
17) ML2 Aroclor-1260 {8}	18.84	20.63	619067	626706	848.52	736.26
Total Aroclor-1260			99004958	86584547	78830.54	53229.

Reran at 100x

5/15/97

E

1254 - 19194 ng/ml

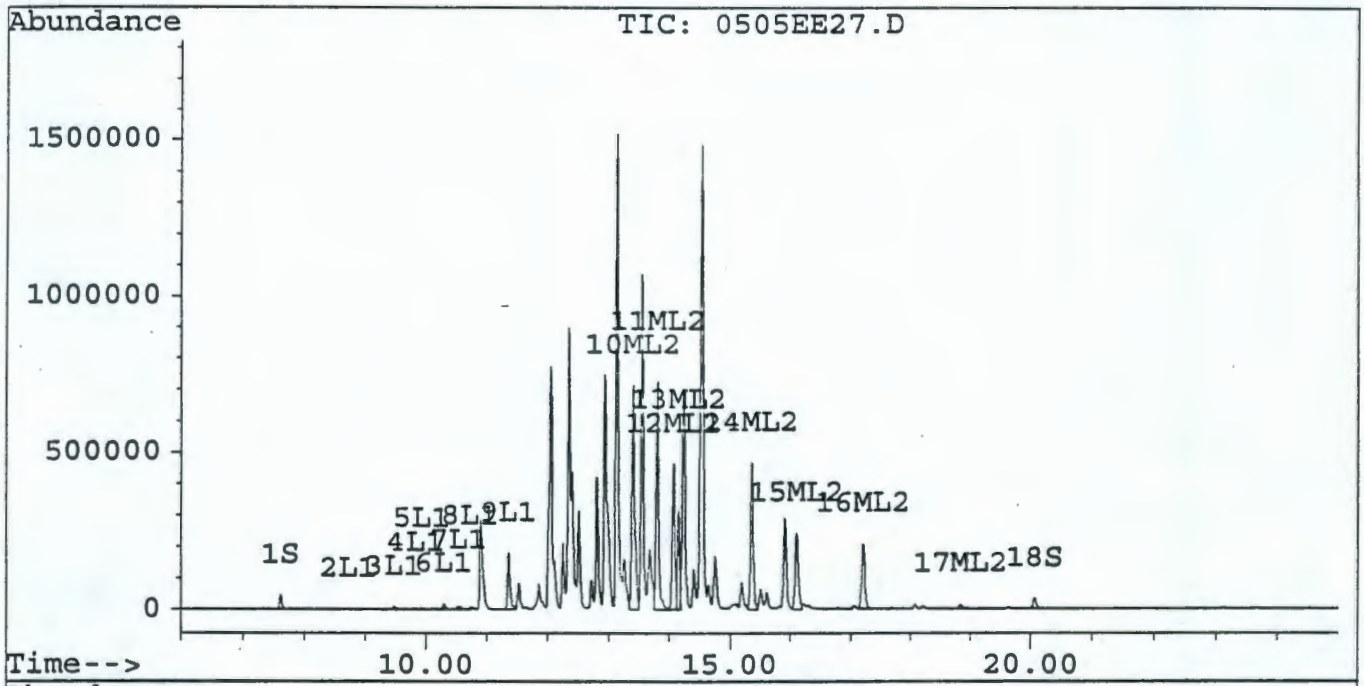
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

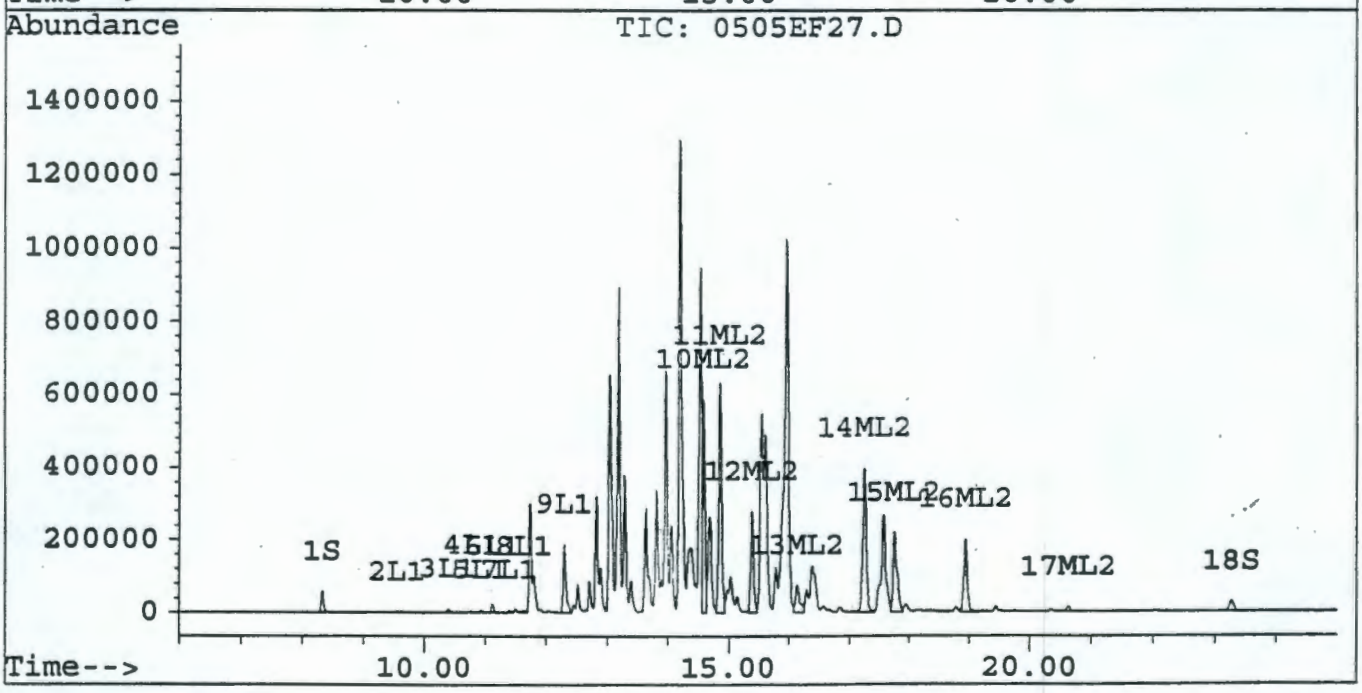
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE27.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE27.D\0505EF27.D
Acq On : 05 May 97 10:34 PM Operator: MBROWN
Sample : 9704203-2 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE27.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE27.D\0505EF27.D
Acq On : 05 May 97 10:34 PM Operator: MBROWN
Sample : 9704203-2 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:14 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.61	8.33	1207494	1538250	48.83	48.45
			Recovery	=	97.66%	96.90%
10) S Decachlorobiphenyl	20.07	23.27	1329019	1539447	52.75	51.84
			Recovery	=	105.50%	103.68%
Target Compounds						
2) L1 Aroclor-1254	12.05	12.30	29837819	5875571	17510.05	12900.
3) L1 Aroclor-1254 {2}	12.81	13.04	11866620	23396969	21743.97	17028.
4) L1 Aroclor-1254 {3}	13.13	13.18	42284004	26422884	25602.29	17753.
5) L1 Aroclor-1254 {4}	13.40	13.29	23685785	11460764	22627.40	18045.
6) L1 Aroclor-1254 {5}	13.55	13.81	28215604	10260967	24150.00	18194.
7) L1 Aroclor-1254 {6}	14.07	14.19	12963467	43536709	23128.63	20809.
8) L1 Aroclor-1254 {7}	14.23	14.85	22467189	20582925	27894.45	18621.
9) L1 Aroclor-1254 {8}	14.52	15.96	49841367	52838568	28601.21	22198.
Total Aroclor-1254			221.2E6	194.4E6	191257.99	145551.

19 PPM ug/L

Rerun at 100X

5/15/97

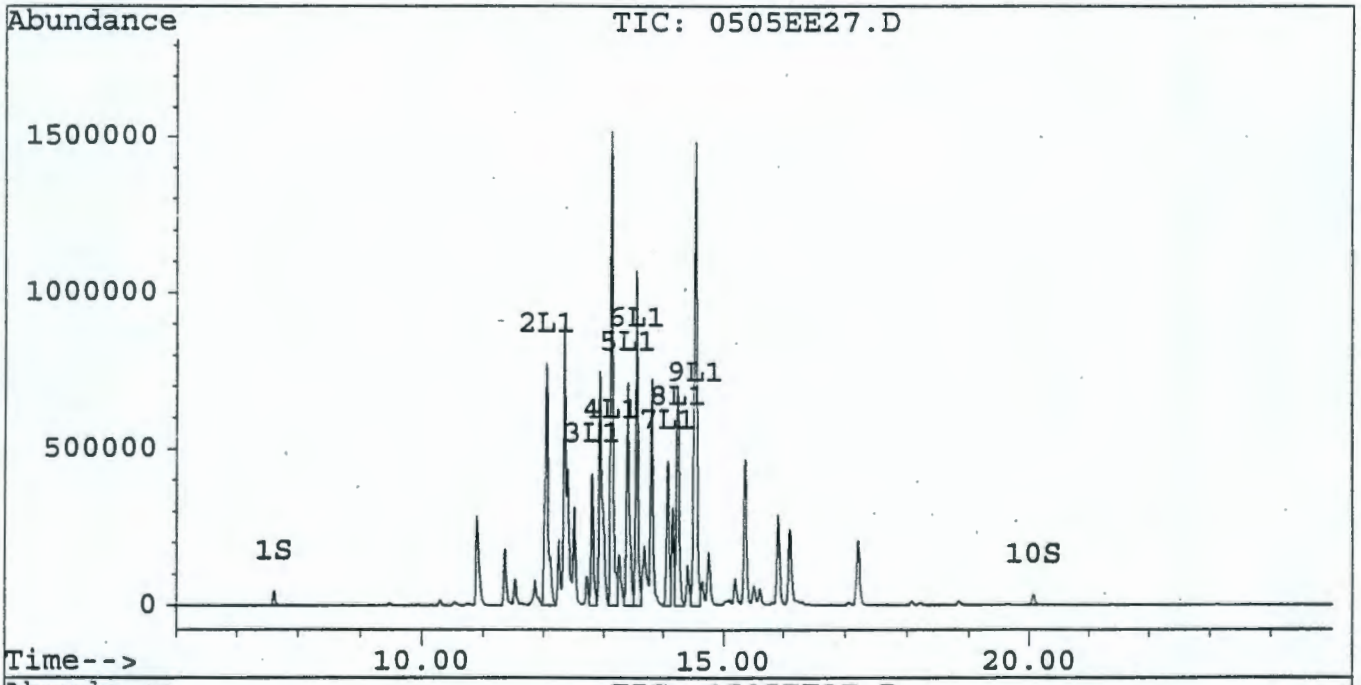
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

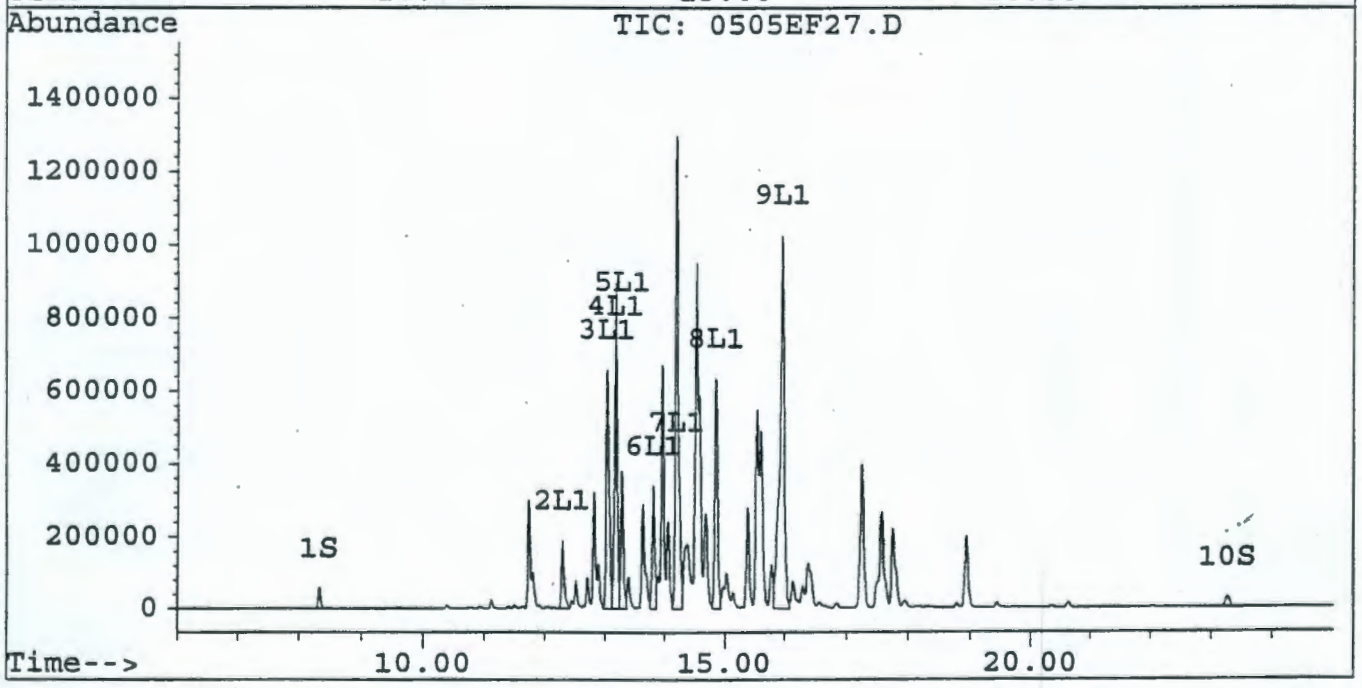
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE27.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE27.D\0505EF27.D
Acq On : 05 May 97 10:34 PM Operator: MBROWN
Sample : 9704203-2 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:14 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE28.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE28.D\0505EF28.D
Acq On : 05 May 97 11:04 PM Operator: MBROWN
Sample : 9704203-3 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.61	8.33	1193190	1549929	51.16	51.63
			Recovery	=	102.32%	103.26%
18) S Decachlorobiphenyl	20.07	23.27	1395088	1728237	59.66	62.63
			Recovery	=	119.32%	125.26%
Target Compounds						
2) L1 Aroclor-1016	0.00	9.56	0	2923	N.D.	N.D.
3) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	9.96	0.00	2528	0	N.D.	N.D.
6) L1 Aroclor-1016 {5}	0.00	11.11	0	9319	N.D.	N.D.
7) L1 Aroclor-1016 {6}	0.00	0.00	0	0	N.D.	N.D.
8) L1 Aroclor-1016 {7}	0.00	11.61	0	60285	N.D.	78.84 #
9) L1 Aroclor-1016 {8}	11.36	12.30	16996	13302	1.24	N.D. #
Total Aroclor-1016			16996	60285	N.D.	9.70
10) ML2 Aroclor-1260	13.40	14.58	188554	225067	119.92	105.40
11) ML2 Aroclor-1260 {2}	13.80	14.85	233781	330763	124.81	147.93
12) ML2 Aroclor-1260 {3}	14.07	15.38	136032	121944	138.35	142.11
13) ML2 Aroclor-1260 {4}	14.16	16.14	81409	60991	81.65	23.58
14) ML2 Aroclor-1260 {5}	15.35	17.26	156886	262413	111.74	144.57
15) ML2 Aroclor-1260 {6}	16.11	17.75	111508	214928	37.76	55.10
16) ML2 Aroclor-1260 {7}	17.21	18.94	81577	119208	32.82	41.44
17) ML2 Aroclor-1260 {8}	18.84	0.00	68799	0	94.37	N.D.
Total Aroclor-1260			1058546	1335315	741.43	660.13

1254 - 157 ng/ml

5/15/97

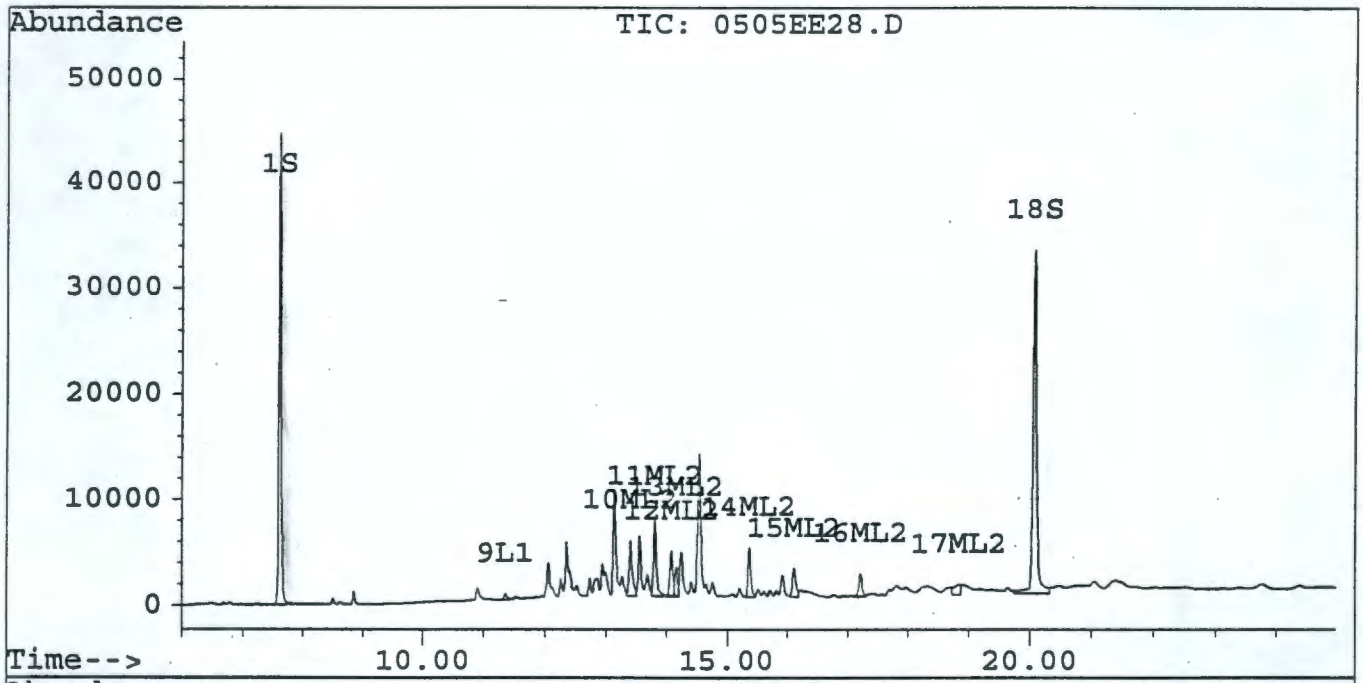
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

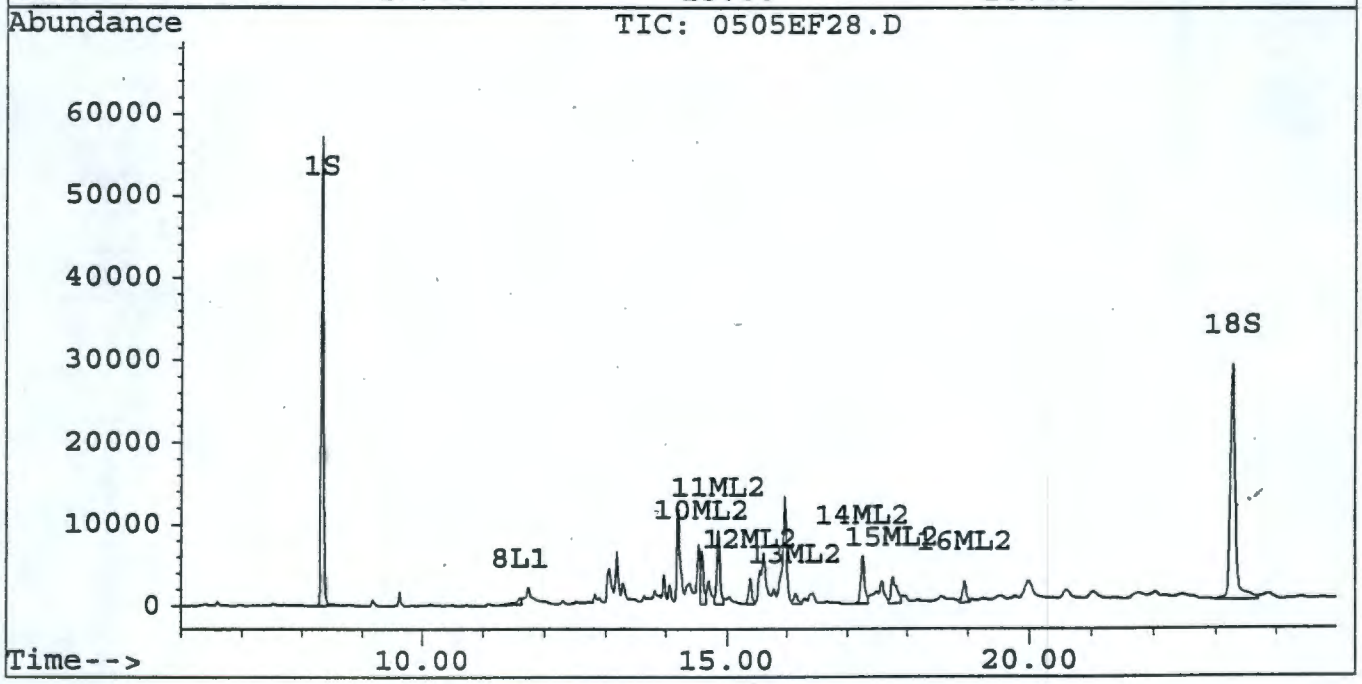
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE28.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE28.D\0505EF28.D
Acq On : 05 May 97 11:04 PM Operator: MBROWN
Sample : 9704203-3 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE28.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE28.D\0505EF28.D
Acq On : 05 May 97 11:04 PM Operator: MBROWN
Sample : 9704203-3 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:15 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.61	8.33	1195192	1554182	48.32	48.96
			Recovery	=	96.64%	97.92%
10) S Decachlorobiphenyl	20.07	23.27	1395088	1728237	55.49	58.50
			Recovery	=	110.98%	117.00%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.30	112079	13302	34.86	10.45 #
3) L1 Aroclor-1254 {2}	12.86	13.06	87605	227701	136.52	131.20
4) L1 Aroclor-1254 {3}	13.14	13.19	324097	217628	170.71	108.89 #
5) L1 Aroclor-1254 {4}	13.40	13.29	190453	116210	150.28	155.05
6) L1 Aroclor-1254 {5}	13.56	13.82	179937	80753	124.41	123.36
7) L1 Aroclor-1254 {6}	14.08	14.19	139284	447252	221.73	188.71
8) L1 Aroclor-1254 {7}	14.24	14.85	160443	330763	181.87	274.99 #
9) L1 Aroclor-1254 {8}	14.53	15.96	497593	680954	265.13	267.31
Total Aroclor-1254			1691490	2114562	1285.51	1259.96

157 mg/kg

Rerun for possible carryover

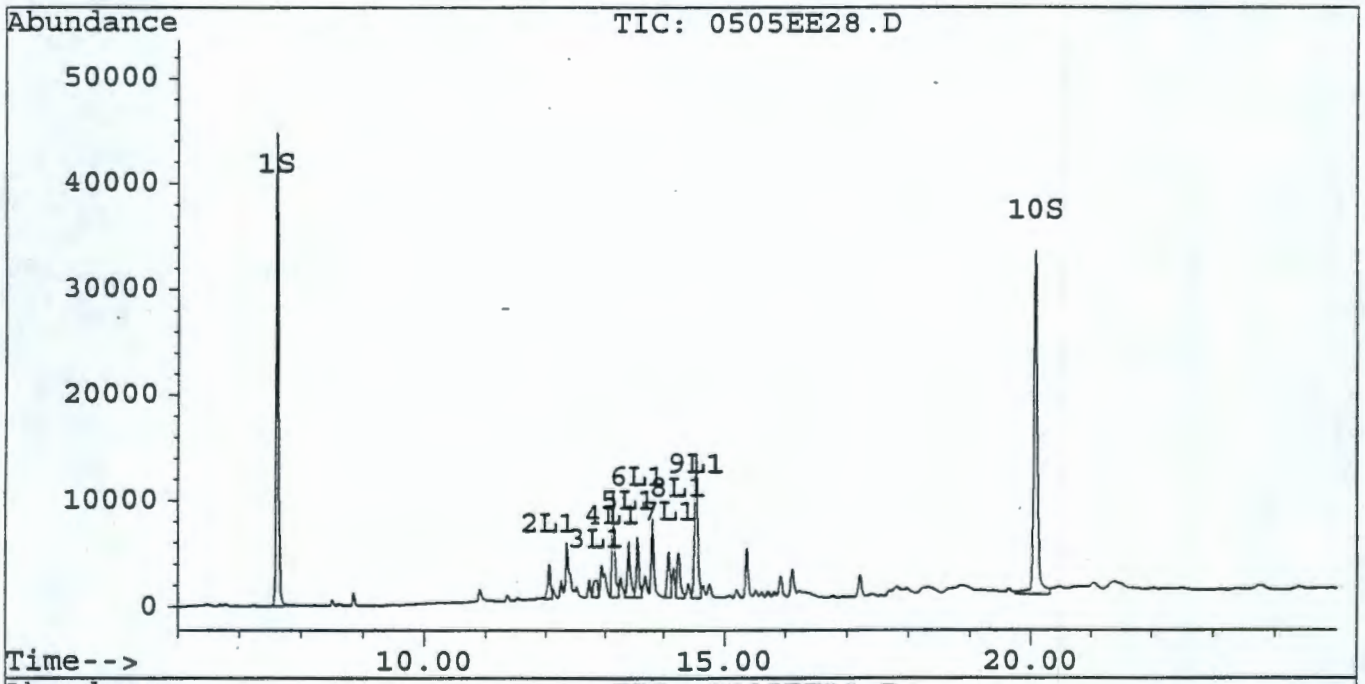
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

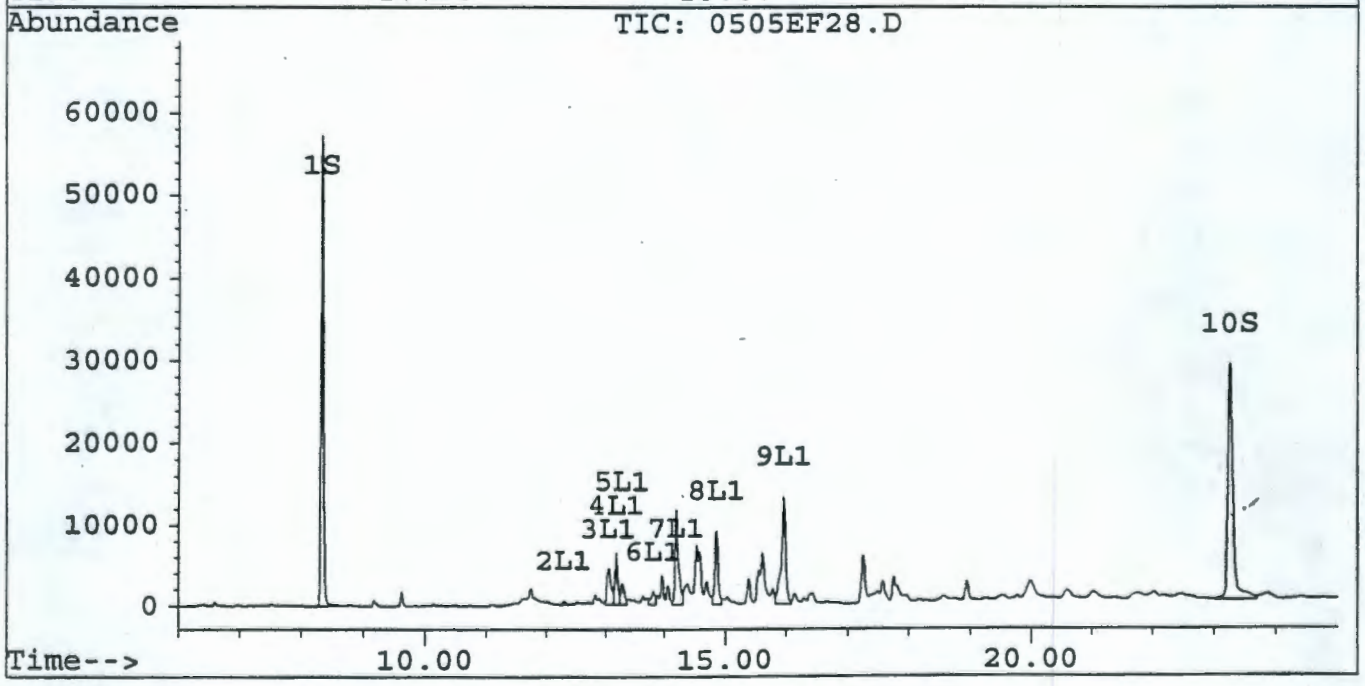
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE28.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE28.D\0505EF28.D
Acq On : 05 May 97 11:04 PM Operator: MBROWN
Sample : 9704203-3 Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 15:15 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE04.D\0506EF04.D
Acq On : 06 May 97 04:21 PM Operator: MBROWN
Sample : 9704203-3 RR Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:16 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	1210938	1581285	51.93	52.70
			Recovery	=	103.86%	105.40%
18) S Decachlorobiphenyl	20.08	23.28	1217481	1482142	51.86	53.44
			Recovery	=	103.72%	106.88%
Target Compounds						
2) L1 Aroclor-1016	0.00	9.57	0	3310	N.D.	N.D.
3) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {5}	0.00	11.12	0	4976	N.D.	N.D.
7) L1 Aroclor-1016 {6}	0.00	0.00	0	0	N.D.	N.D.
8) L1 Aroclor-1016 {7}	0.00	11.60	0	9797	N.D.	1.88 #
9) L1 Aroclor-1016 {8}	11.37	12.31	20079	14935	4.42	N.D. #
Total Aroclor-1016			20079	9797	4.42	N.D.
10) ML2 Aroclor-1260	13.41	14.59	179438	211129	112.54	96.93
11) ML2 Aroclor-1260 {2}	13.81	14.86	243751	306156	131.39	134.71
12) ML2 Aroclor-1260 {3}	14.08	15.39	143455	129128	147.19	150.84
13) ML2 Aroclor-1260 {4}	14.17	16.15	80133	62574	80.16	24.62
14) ML2 Aroclor-1260 {5}	15.37	17.27	160347	233942	114.51	127.11
15) ML2 Aroclor-1260 {6}	16.12	17.76	100527	121227	33.40	23.91
16) ML2 Aroclor-1260 {7}	17.22	18.95	76424	93554	30.32	30.36
17) ML2 Aroclor-1260 {8}	18.85	20.64	790	4475	1.16	0.48
Total Aroclor-1260			984865	1162184	650.69	588.96

1254 - 136ng/l

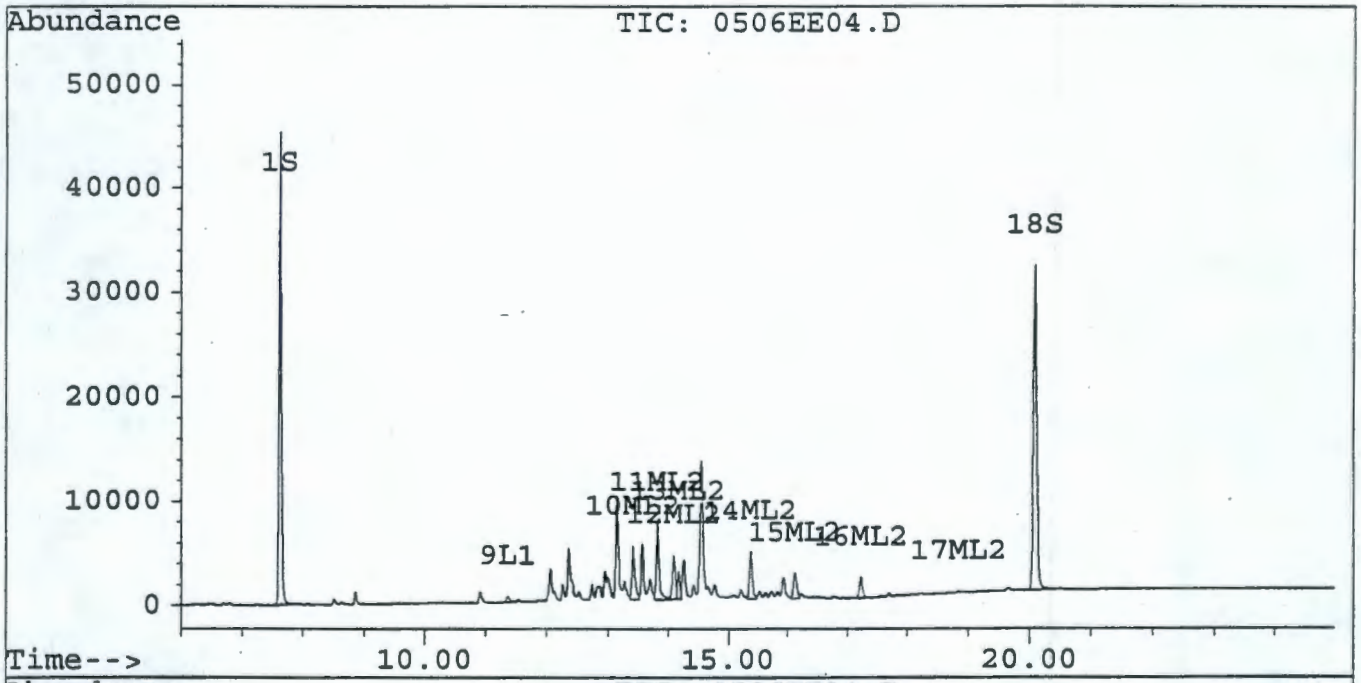
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

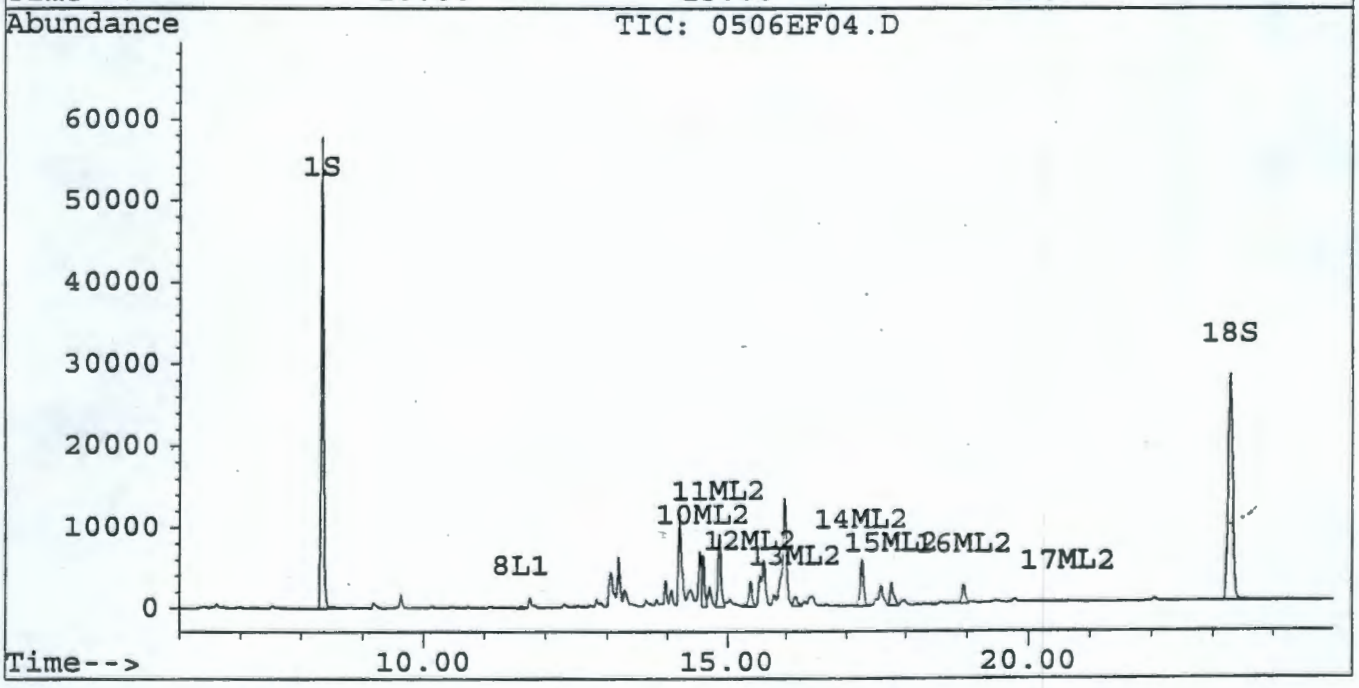
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE04.D\0506EF04.D
Acq On : 06 May 97 04:21 PM Operator: MBROWN
Sample : 9704203-3 RR Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:16 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE04.D\0506EF04.D
Acq On : 06 May 97 04:21 PM Operator: MBROWN
Sample : 9704203-3 RR Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:16 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.34	1215895	1581041	49.17	49.84
			Recovery	=	98.34%	99.68%
10) S Decachlorobiphenyl	20.08	23.28	1219515	1484720	48.20	49.90
			Recovery	=	96.40%	99.80%
Target Compounds						
2) L1 Aroclor-1254	12.06	12.31	109112	14944	33.11	14.06 #
3) L1 Aroclor-1254 {2}	12.83	13.06	81930	212483	126.11	120.10
4) L1 Aroclor-1254 {3}	13.14	13.19	328600	199003	173.44	96.35 #
5) L1 Aroclor-1254 {4}	13.41	13.30	192486	92391	152.23	117.49
6) L1 Aroclor-1254 {5}	13.56	13.82	170101	33056	115.98	38.69 #
7) L1 Aroclor-1254 {6}	14.08	14.20	152783	423566	245.84	177.37 #
8) L1 Aroclor-1254 {7}	14.25	14.86	151598	306171	170.88	252.71 #
9) L1 Aroclor-1254 {8}	14.54	15.97	509472	687853	271.96	270.21
Total Aroclor-1254			1696080	1969467	1289.54	1086.99

1360 ug/ml

5/15/97
mg

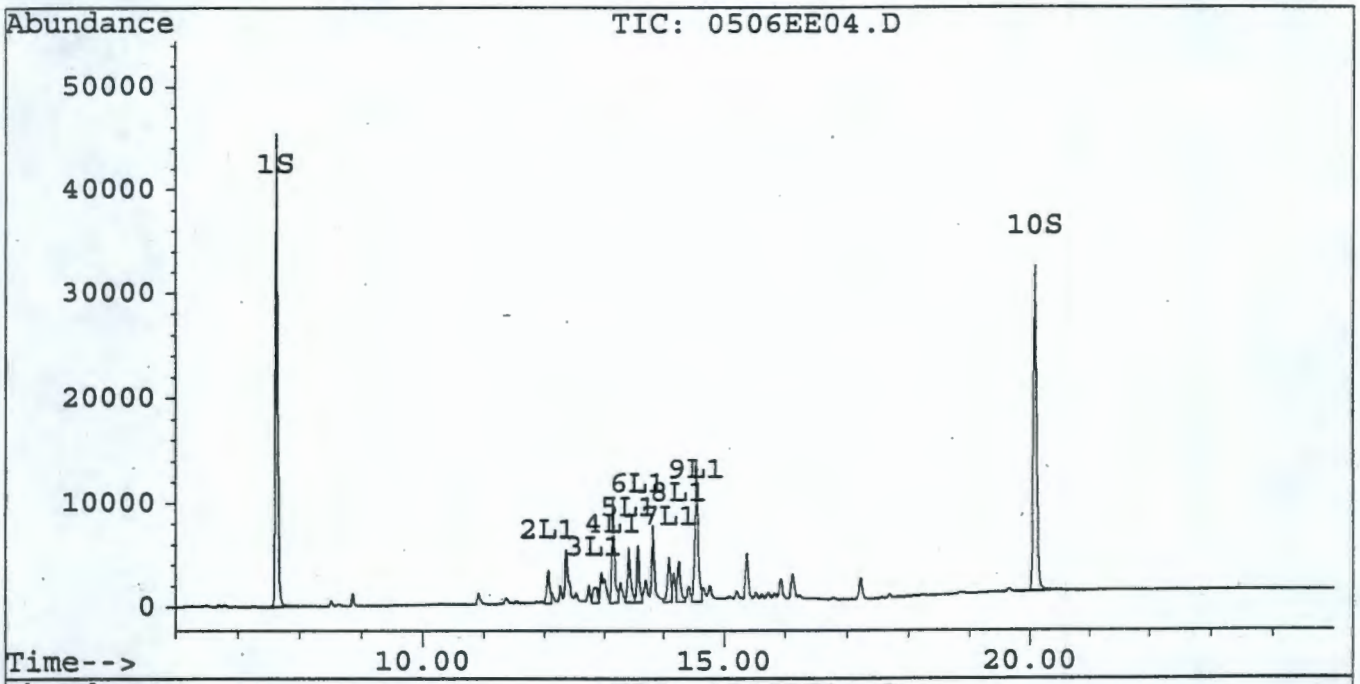
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

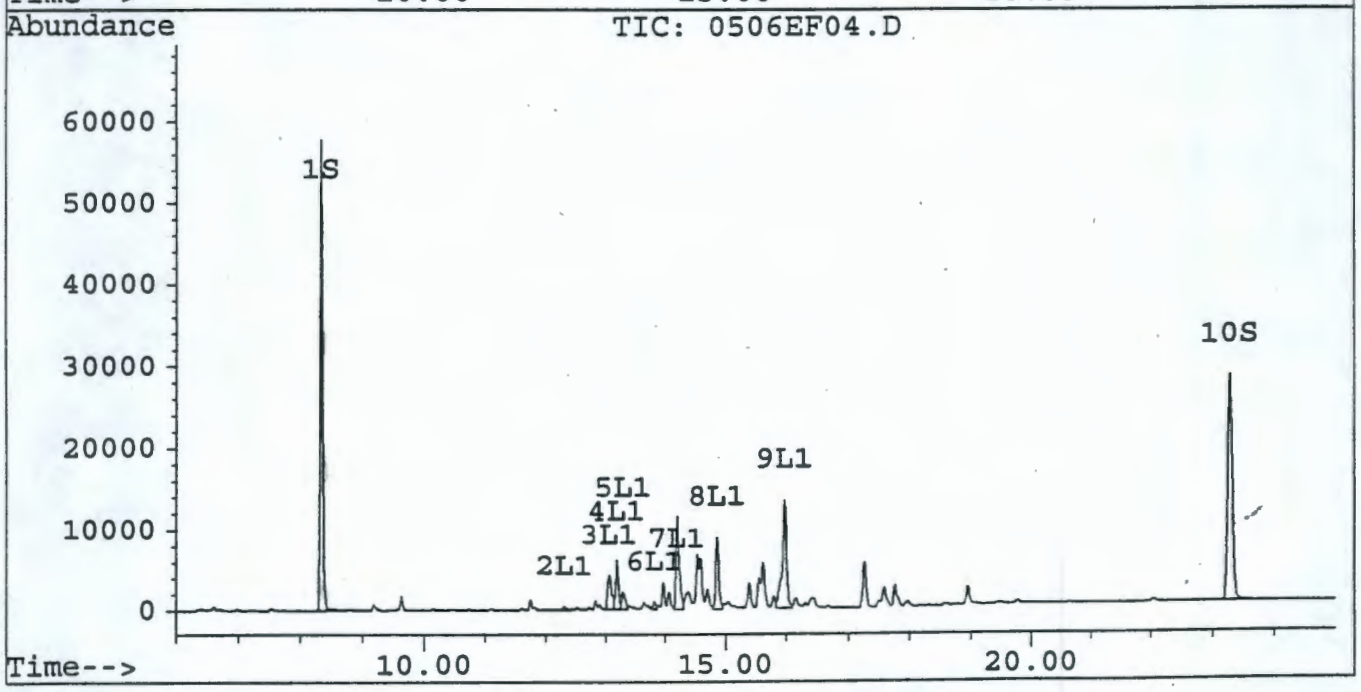
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970506\0506EE04.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\970506\0506EE04.D\0506EF04.D
Acq On : 06 May 97 04:21 PM Operator: MBROWN
Sample : 9704203-3 RR Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 17:16 1997

Method : C:\HPCHEM\5\METHODS\A5050597.M
Title : PCB
Last Update : Tue May 06 10:24:36 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Raw Data Quality Control Samples

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE24.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE24.D\0505EF24.D
Acq On : 05 May 97 09:04 PM Operator: MBROWN
Sample : SBS1 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:26 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.33	1266061	1633264	54.30	54.47
			Recovery	=	108.60%	108.94%
18) S Decachlorobiphenyl	20.07	23.28	1348898	1595342	57.63	57.67
			Recovery	=	115.26%	115.34%
Target Compounds						
2) L1 Aroclor-1016	8.72	9.56	4576	7281	N.D.	N.D.
3) L1 Aroclor-1016 {2}	9.47	10.39	8369	13190	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	9.94	10.93	3721	7766	N.D.	N.D.
6) L1 Aroclor-1016 {5}	10.29	11.12	13713	22507	N.D.	N.D.
7) L1 Aroclor-1016 {6}	10.55	11.40	9808	8581	N.D.	1.55 #
8) L1 Aroclor-1016 {7}	10.73	11.60	3808	15646	N.D.	10.80 #
9) L1 Aroclor-1016 {8}	11.36	12.30	17120	10857	1.36	N.D. #
Total Aroclor-1016			17120	24227	N.D.	N.D.
10) ML2 Aroclor-1260	13.40	14.58	713312	995492	544.70	573.70
11) ML2 Aroclor-1260 {2}	13.81	14.86	869615	1074140	544.19	547.18
12) ML2 Aroclor-1260 {3}	14.07	15.39	477618	464004	545.13	557.83
13) ML2 Aroclor-1260 {4}	14.16	16.14	486394	737032	555.22	468.20
14) ML2 Aroclor-1260 {5}	15.36	17.24	634242	839414	494.89	498.54
15) ML2 Aroclor-1260 {6}	16.10	17.76	1221093	1491680	477.70	480.01
16) ML2 Aroclor-1260 {7}	17.22	18.95	1023779	1164933	490.16	493.08
17) ML2 Aroclor-1260 {8}	18.84	20.64	335912	393301	460.45	460.26
Total Aroclor-1260			5761966	7159996	4112.45	4078.80

5 10ng/ml

5/15/97

spiked at 500ng/l

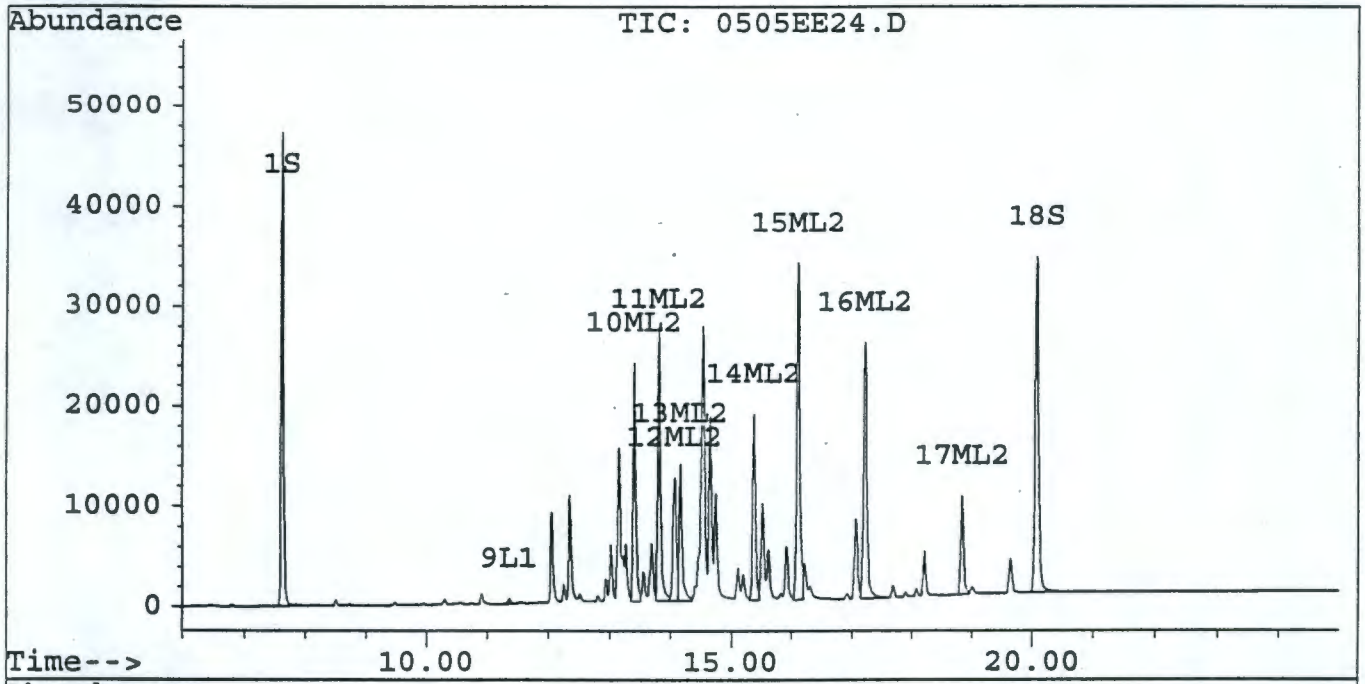
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

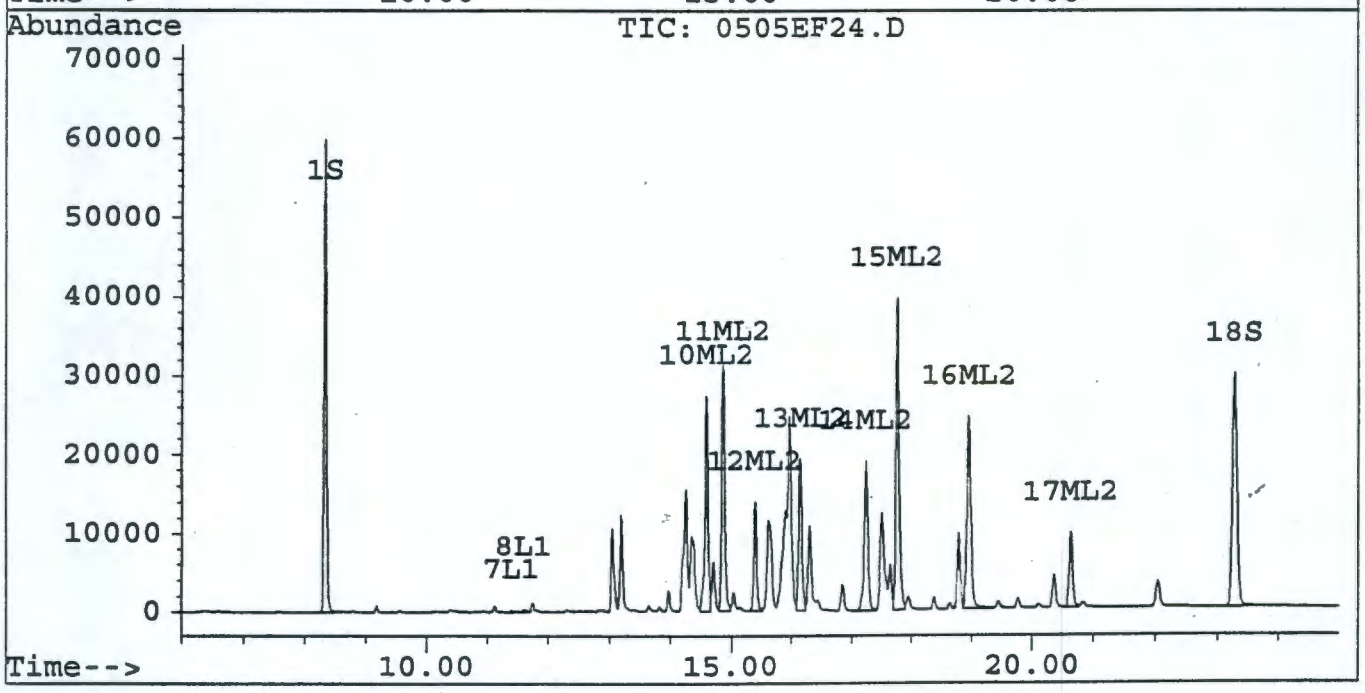
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE24.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE24.D\0505EF24.D
Acq On : 05 May 97 09:04 PM Operator: MBROWN
Sample : SBS1 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:26 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE25.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE25.D\0505EF25.D
Acq On : 05 May 97 09:34 PM Operator: MBROWN
Sample : SBS2 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) S TCMX	7.62	8.33	1253671	1622039	53.76	54.09
			Recovery	=	107.52%	108.18%
18) S Decachlorobiphenyl	20.07	23.28	1335191	1580448	57.03	57.11
			Recovery	=	114.06%	114.22%
Target Compounds						
2) L1 Aroclor-1016	8.72	9.55	4399	6751	N.D.	N.D.
3) L1 Aroclor-1016 {2}	9.47	10.39	7552	9815	N.D.	N.D.
4) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016 {4}	0.00	10.92	0	5725	N.D.	N.D.
6) L1 Aroclor-1016 {5}	10.29	11.12	13306	22709	N.D.	N.D.
7) L1 Aroclor-1016 {6}	10.55	11.40	5305	6837	N.D.	N.D.
8) L1 Aroclor-1016 {7}	10.73	11.60	3853	13012	N.D.	6.78 #
9) L1 Aroclor-1016 {8}	11.36	12.30	15050	10288	N.D.	N.D.
Total Aroclor-1016			0	13012	N.D.	N.D.
10) ML2 Aroclor-1260	13.40	14.58	691326	966048	526.90	555.80
11) ML2 Aroclor-1260 {2}	13.80	14.85	842435	1043732	526.27	530.85
12) ML2 Aroclor-1260 {3}	14.07	15.38	462168	449243	526.73	539.89
13) ML2 Aroclor-1260 {4}	14.16	16.14	468419	715696	534.20	454.17
14) ML2 Aroclor-1260 {5}	15.36	17.24	611464	812824	476.61	482.23
15) ML2 Aroclor-1260 {6}	16.10	17.76	1172941	1446475	458.61	464.97
16) ML2 Aroclor-1260 {7}	17.22	18.95	989220	1130325	473.39	478.13
17) ML2 Aroclor-1260 {8}	18.84	20.63	325008	380027	445.51	444.56
Total Aroclor-1260			5562980	6944371	3968.21	3950.60

494 ng/ml

5/15/97

Spiked at 500 ng/ml

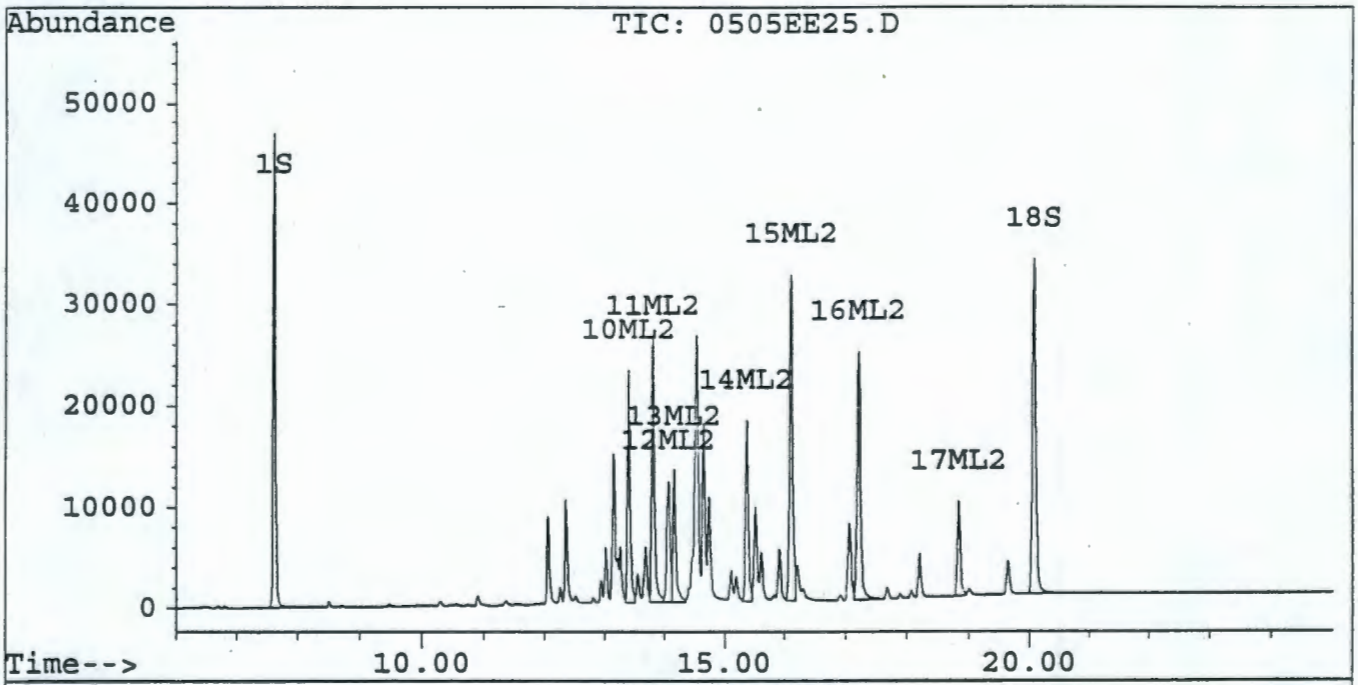
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

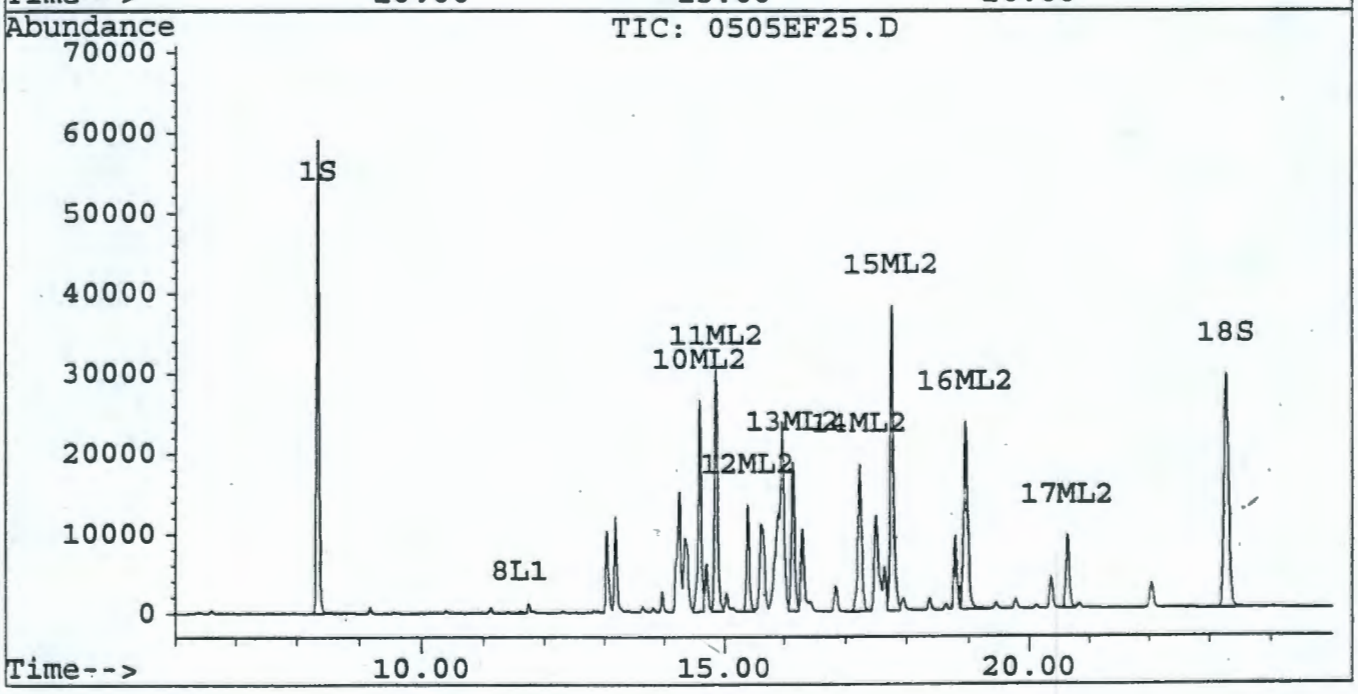
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\970505\0505EE25.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\970505\0505EE25.D\0505EF25.D
Acq On : 05 May 97 09:34 PM Operator: MBROWN
Sample : SBS2 4/30/97 PCB Inst : ECD1
Misc : Multiplr: 1.00
Quant Time: May 6 11:27 1997

Method : C:\HPCHEM\5\METHODS\A1050597.M
Title : PCB
Last Update : Tue May 06 10:50:26 1997
Response via : Multiple Level Calibration

Volume Inj. : 1ul
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-17
Signal #1 Info : 30m x .32mm x .25 Signal #2 Info : 30m x .32mm x .25um





000136

8080 PCB TCLP OC 608 METHOD: CLE SON DILUTE SON

T UP DATE/TIME: 4/30 2:30 WATER SOIL SLUDGE OTHER

RKORDER #s 97-04-203 SURROGATE CODE A: SR-A06-40 MATRIX SPIKE A: MS-A24-10

TCH # MATRIX SPIKE B:

SAMPLE										EXTRACT					COMMENTS
NITIALS									T.D.						
			SURROGATE			MATRIX SPIKE			TIME	INT. KD	EXCHG	CLEAN UP	FINAL	VIAL	
UMBER	AMOUNT	pH	A VOL	SPK/WIT		A VOL	B VOL	SPK/WIT	OFF	DATE	HEX		VOL	DATE	
SRB1	30g	NA	1ml	DFC	NA	NA		NA	NA	8:00	5/2	5/2	H_2SO_4	10ml	5/2
03-1															
-2															
-3															
BS1						1ml	NA	DFC							
BS2															

4/30/98

T #'S: DCM 36255 HEXANE 36243 ALUMINA N/A RECEIVED BY/DATE MB 5/2/97

ATIFRM616FC

000138

137049

Miscellaneous

PERCENT MOISTURE

Order ID: 9704203
Batch ID:
Date Approved:
Date Started:

Sample Id	QC	Dish Weight	Wet Weight	Dry Weight	Dish-Dry Weight	Percent Moisture	Percent Solids
9704203-1		1.06	10.52	10.81	9.75	7.32	92.7
9704203-2		1.06	10.4	10.13	9.07	12.8	87.2
9704203-3		1.06	10.54	10.66	9.6	8.92	91.1
9704203-3-R1		1.07	10.03	10.21	9.14	8.87	91.1

R1 = Sample Duplicate
All weight values shown above are expressed in grams.

Paragon Analytics, Inc.

pH ANALYSIS CASE NARRATIVE

Washington State Dept. of Ecology

RCRA Closure -- 3718-F

Order Number - 9704203

1. This report consists of 3 soil samples.
2. Samples were received intact on 04/25/97. The temperature of the samples upon receipt were 7 degrees Celsius.
3. The samples were prepared for analysis based on SW-846, 3rd Edition procedures. Specifically, the soil samples were analyzed following method 9045B.
4. All standards and solutions were used within their recommended shelf life.
5. The samples were analyzed within the established hold times.

All in house quality control procedures were followed, as described below.

6. General quality control procedures.
   - All initial and continuing calibration verifications associated with this batch were within acceptance criteria for the requested analyte. This indicates a valid calibration and stable instrument conditions.
7. A sample from this Order Number was used for the matrix QC samples for this batch.
   - A duplicate was prepared and analyzed with this batch. All acceptance criteria were met.

The data contained in the following report have been reviewed and approved by the personnel listed below:

Krista Mobley
Krista Mobley
Inorganic Technician

5-19-97
Date

SW
Reviewer's Initials

5/19/97
Date

CERTIFICATION

Paragon Analytics, Inc. certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

pH*

Method 9045B

Lab Name: Paragon Analytics, Inc.
Client Name: Washington State Dept. of Ecology
Client Project ID: RCRA Closure -- 3718-F
Lab Order Number: 9704203

Date Collected: 04/24/97
Date Analyzed: 05/02/97
Sample Matrix: Soil

Client Sample ID	Lab Sample ID	pH
1	9704203-1	9.1
1	9704203-1D	9.0
2	9704203-2	8.3
3	9704203-3	8.4

SL

* Soil pH measured in water
Duplicate Precision Acceptance Limits: Solids +/- 0.5 pH Units
: Aqueous +/- 0.2 pH Units

Paragon Analytics, Inc.

SAMPLE NUMBER(S) CROSS-REFERENCE TABLE

Client Name: Washington State Dept. of Ecology

Client Project ID: RCRA Closure 3718-F

PAI-ID	Client ID	MATRIX	DATE SAMPLED
9704203-1	1	Soil	04/24/97
9704203-2	2	Soil	04/24/97
9704203-3	3	Soil	04/24/97

CORROSIVITY/pH
WORKORDER #'s 9704203 ANALYST SD

DATE 5-2-97

Lab ID	pH	° C	Method	g's solid	mLs H_2O added	Comments
pH #4 1st source	4.00	24°c	SOP	NA	NA	
pH #7 1st source	7.00					
pH #10 1st source	10.00					
pH #4 ~~2nd source~~ 1st source SD 5/2/97	4.00					ICV
pH #7 2nd source	7.00					ICV
pH #10 1st source	9.99					ICV
9704203 - 1	9.06		9045B	20g	20ml	Soils
. 1DUP	9.03					
- 2	8.32					
. 3	8.40					
Buffer #7	7.00		SOP	NA	NA	CCV
9705014 - 1	8.50		150.1	N20	NA	water
1DUP	8.50					
ENTERED After 2 out SD 5-2-97						
SD 5/2/97						
9705011 - 7	8.09		9045B	20g	20mL	soil
-8	8.02					

SD 5-2-97

	1st Source			2nd Source		
	4	7	10	4	7	10
LOT #	954981-24	953829.24	953829.24		9611174	
MFG	Fisher	Fisher	Fisher	NA	Em	NA
EXP DATE	9/97	7/97	7/97	Km 5-9-97	11/97	Km 5-5-97

All buffer solutions certified to be within ± 0.05 pH units of known value (at 25° C).
Quality Control Acceptance Ranges: Initial Calibration Verification (ICV) ± 0.05 pH units
Continuing Calibration Verification (CCV) ± 0.10 pH units

FM 634FC3 (1/29/97)

PARAGON ANALYTICS, INC.
225 Commerce Drive • Ft. Collins, CO 80524
(800)443-1511
(970)490-1511
FAX(970)490-1522

CHAIN OF CUSTODY

DATE 4.24.97 Page 1 of 1

ACCESSION NUMBER 9704.203

PROJECT MANAGER: JOAN K. BARTZ
COMPANY: WA DEPT OF ECOLOGY
ADDRESS: 1315 W. 4th AVE
KENNEWICK
WA 99336
SAMPLER: JOAN K. BARTZ/RUST
509/736-5707 PHONE NUMBER
509/736-3030 FAX NUMBER

ANALYSIS REQUESTED

SAMPLE ID	SAMPLE DATE	SAMPLE TIME	MATRIX	*LAB ID	9070/9071 - Oil & Grease	418.1 - TRPH	8015 Mod. - Gasoline	8015 Mod. - Diesel	8015/8020 - Gasoline/BTEX	8020 - BTEX	8240 - GC/MS VOC's	8270 - GC/MS SVOC's	8080 - Pesticides/PCB's	8080 - PCB Only	8310 - PNA's	8150 - Herbicides	8140 - OP Pesticides	TOX - EOX - TX	Total Metals: TAL plus Li	TCLP:	Gross Alpha	Gross Beta	Radium 226	Radium 228	Tritium	Strontium	% Moisture	pH				Number of Containers
1	4-24-97	0840	Soil	01										X					X									X				1
2	↓	0920	↓	02										X					X									X				↓
3	↓	0940	↓	03										X					X									X				↓

PROJECT INFORMATION	SAMPLE RECEIPT
PROJECT NUMBER: 1378 3718-F	TOTAL NO. OF CONTAINERS
PROJECT NAME: RCRA Closure	CHAIN OF CUSTODY SEALS Y/N
PURCHASE ORDER NUMBER:	SEALS INTACT? Y/N/NA
TAT: ☐ STANDARD ☐ RUSH DUE	REC'D GOOD COND./COLD

SAMPLE DISPOSAL: ☐ HAZ WASTE $5.00 ☐ RAD CHEM $15.00 ☐ RETURN

Comments: See contract terms
Work discussed w/ Lance Steere.

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: Joan K. Bartz Time: 11:30A	Signature: Time:	Signature: Time:
Printed Name: JOAN K. BARTZ Date: 4/24/97	Printed Name: Date:	Printed Name: Date:
Company: WA DEPT ECOLOGY	Company: UPS	Company:
RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: Time:	Signature: Time: 1030	Signature: Time:
Printed Name: Date:	Printed Name: D. Hill Date: 4/25/97	Printed Name: Date:
Company: UPS	Company: PAE	Company:

*DO NOT WRITE IN SHADED AREAS!

DISTRIBUTION: White, Canary - PARAGON ANALYTICS, INC. Pink - ORIGINATOR

Paragon Analytics, Inc. - Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT

CLIENT: WDOE SHIPPING CONTAINER #: Cooler

WORKORDER NO. 97-04-203 INITIALS: [illegible] DATE: 4/25/97

1.	Does this project require special handling according to NEESA, Level 3, or CLP protocols? If yes, complete a. and b. a. Cooler Temperature_____ b. Lot No's._____ c. Airbill Number_____		Yes	(No)
2.	Are custody seals on the cooler intact? If so, how many 2	N/A	(Yes)	No
3.	Are custody seals on sample containers intact?	(N/A)	(Yes)	No
4.	Is there a Chain of Custody (COC) or other representative documents, letters or shipping memos?	[illegible] 4/25/97	(Yes)	No
5.	Is the COC complete? Relinquished: Yes ✓ No Requested Analysis: Yes ✓ No	N/A	(Yes)	No
6.	Is the COC in agreement with the samples received? No. of Samples: Yes ✓ No__ Sample ID's: Yes ✓ No__ Matrix: Yes ✓ No__ No. of Containers: Yes ✓ No__		(Yes)	No
7.	Are the samples requiring acid preservation preserved correctly?	(N/A)	Yes	No
8.	Is there enough sample? If so, are they in the proper containers?		(Yes)	No
9.	Are all samples within holding times for the requested analyses?		(Yes)	No
10.	Were the sample received on ice?	N/A	(Yes)	No
11.	Were all sample containers received intact? (not broken or leaking, etc.)		(Yes)	No
12.	Are samples requiring no headspace, headspace free?	(N/A)	Yes	No
13.	Do the samples require quarantine?		Yes	(No)
14.	Do samples require Paragon disposal?		(Yes)	No
15.	Did the client return any unused bottles?		Yes	(No)

Describe "NO" items (except No's 1, 13, &14): (10) - ICE Expired

Was the client contacted? Yes____ No X

If yes, Date:_____ Name of person contacted:_____

Describe actions taken or client instructions:_____

Group Leader's Signature:_____ Date:_____

Cooler Temperature: 7°

FRM 201FC6 (24/1/97)