Boliden Metech Allens Avenue Facility

Laboratory Analytical Results, Sampling Round 4

434 Allens Avenue
Providence,
Rhode Island

SR-28-0143

Prepared for **Boliden Metech, Inc.**
Mapleville, Rhode Island

Prepared by ***VHB*/Vanasse Hangen Brustlin, Inc.**
Watertown, Massachusetts

March 1998

MITKEM CORPORATION

Client: VHB, Inc.

Client Project: 70632 (Boliden Metech)

Lab Project: C0995

Date Samples Received: 9/20/96

Project Narrative

This data package included the analysis result for one hundred and thirty four (134) soil samples that were received from VHB, Inc. on September 30, 1996. Analyses were performed per specification in the Chain of Custody. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the Client sample ID and Laboratory sample ID.

To minimize the need for excessive extract dilution, only 15 gram of the samples were extracted and that the final extract volumes were adjusted to 25 mL. All of the sample extracts were subjected to sulfur cleanup (using copper) and acid cleanup prior to GC analyses. Per Ms. Kim Tisa's (USEPA) recommendation, the aroclor quantitation was performed using the unweathered peaks. In most instances, only two peaks were selected for quantitating Aroclor 1242.

The data sets are presented according to QC batches. Three samples including **PK7**, **PG4** and **DB5** were re-extracted and re-analyzed.

All sample chromatograms and standard chromatograms are included in this report. Please note that the chromatograms for the first QC Batch (P1021-B2) have been submitted earlier and are not included in this submittal.

MITKEM CORPORATION

All of the analyses were performed according to method requirement. No unusual observation was made for the analysis.

The enclosed data package has been reviewed and is authorized for release as evidenced by the signature below.

Anjana K. Saini

Anjana K. Saini, PhD
QA/QC Director

Data Qualifiers:

J This flag indicates an estimated value due to either
- the compound was detected at below the Reporting Limit, or
- estimated concentration for Tentatively Identified Compound

B This flag indicates the analyte was also detected in the associated Method Blank

D This flag indicates the analyte concentration was obtained from a diluted analysis

E This flag indicates the analyte concentration exceeded the Calibration Range

P This flag is used for Pesticides/PCB/Herbicide analyte when there is a greater than 50% difference for detected concentration between the two GC columns used for Primary and Confirmation analyses. The lower of the two values is reported in the Analysis Report.

QC Batch: P1021-B2

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1021-B2

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-01	PL8	9,700	12,000 D	65	82
C0995-02	PL9	6,100	5,500	72	84
C0995-03	PEE7	24,000 D	<170	74	83
C0995-04	PG10	8,200	8,400	67	78
C0995-05	PG11	<170	410	74	85
C0995-06	PG12	<170	180	74	85
C0995-07	PHH2	27,000 D	<170	77	82
C0995-08	PH10	1,900	4,200	80	90
C0995-09	PH11	440	610	79	85
C0995-10	PH12	530	890	81	95
C0995-11	PH9	3,800	1,900	85	92
C0995-12	PI7	9,000	7,600	67	80
C0995-13	PI8	5,000	10,000 D	69	84
C0995-14	PI9	5,000	9,300	78	89
C0995-15	PJ7	3,900	4,200	72	84
C0995-16	PJ8	7,500	7,300	66	83
C0995-17	PJ9	3,300	4,600	75	94
C0995-19	PK8	22,000 D	25,000 D	73	107
C0995-20	PK9	25,000 D	30,000 D	75	96
QA/QC					
Method Blank					
P1021-B2		<170	<170	97	99
Matrix Spike					
C0995-02 MS		NA	NA	71	79
C0995-02 MSD		NA	NA	81	94
Lab Control Sample					
P1021-LCS2		NA	NA	103	103

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1021-LCS2	96	94
Matrix Spike		
C0995-02 MS	61	70
C0995-02 MSD	72	80

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL8
Lab ID: C0995-01
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	9,700	170
Aroclor-1248	ND	170
Aroclor-1254	12,000 D	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	65%
Decachlorobiphenyl	82%

ND=Not Detected

QC Batch: P1021-B2

007

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL9
Lab ID: C0995-02
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	6,100	170
Aroclor-1248	ND	170
Aroclor-1254	5,500	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1021-B2

008

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PEE7
Lab ID: C0995-03
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 98% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	24,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	83%

ND=Not Detected

QC Batch: P1021-B2

009

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG10
Lab ID: C0995-04
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	8,200	180
Aroclor-1248	ND	180
Aroclor-1254	8,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	67%
Decachlorobiphenyl	78%

ND=Not Detected

QC Batch: P1021-B2

010

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG11
Lab ID: C0995-05
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	410	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1021-B2

011

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG12
Lab ID: C0995-06
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	180	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1021-B2

012

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PHH2
Lab ID: C0995-07
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 98% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	27,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	77%
Decachlorobiphenyl	82%

ND=Not Detected

QC Batch: P1021-B2

013

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH10
Lab ID: C0995-08
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	1,900	180
Aroclor-1248	ND	180
Aroclor-1254	4,200	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	90%

ND=Not Detected

QC Batch: P1021-B2

014

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH11
Lab ID: C0995-09
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	440	170
Aroclor-1248	ND	170
Aroclor-1254	610	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1021-B2

015

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH12
Lab ID: C0995-10
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	530	170
Aroclor-1248	ND	170
Aroclor-1254	890	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	95%

ND=Not Detected

QC Batch: P1021-B2

016

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH9
Lab ID: C0995-11
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	3,800	180
Aroclor-1248	ND	180
Aroclor-1254	1,900	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	92%

ND=Not Detected

QC Batch: P1021-B2

017

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI7
Lab ID: C0995-12
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	9,000	180
Aroclor-1248	ND	180
Aroclor-1254	7,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	67%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1021-B2

018

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI8
Lab ID: C0995-13
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	5,000	190
Aroclor-1248	ND	190
Aroclor-1254	10,000 D	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	69%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI9
Lab ID: C0995-14
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	5,000	190
Aroclor-1248	ND	190
Aroclor-1254	9,300	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1021-B2

020

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ7
Lab ID: C0995-15
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	3,900	180
Aroclor-1248	ND	180
Aroclor-1254	4,200	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ8
Lab ID: C0995-16
Analysis: Method 8080

Analysis Date: 10/28/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	7,500	190
Aroclor-1248	ND	190
Aroclor-1254	7,300	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	66%
Decachlorobiphenyl	83%

ND=Not Detected

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ9
Lab ID: C0995-17
Analysis: Method 8080

Analysis Date: 10/28/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	3,300	180
Aroclor-1248	ND	180
Aroclor-1254	4,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK8
Lab ID: C0995-19
Analysis: Method 8080

Analysis Date: 10/28/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	22,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	25,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	107%

ND=Not Detected

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK9
Lab ID: C0995-20
Analysis: Method 8080

Analysis Date: 10/28/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	25,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	30,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	96%

ND=Not Detected

QC Batch: P1021-B2

025

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1021-B2
Analysis: Method 8080

Analysis Date: 10/27/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	99%

ND=Not Detected

QC Batch: P1021-B2

026

C0995-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1021-L2
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 10/27/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	96
2,2',3,3',4,4'-Hexachlorobiphenyl	94

QC Batch: P1021-B2

027

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PL9
Lab ID for Matrix Spike: C0995-02MS
Lab ID for Matrix Spike Duplicate: C0995-02MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 10/2796
Analysis Date for Matrix Spike Duplicate: 10/27/96

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	61	72	16
2,2',3,3',4,4'-Hexachlorobiphenyl	70	80	13

QC Batch: P1021-B2

028

QC Batch: P1109-B2

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1109-B2

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-18	PK7	2,400	2,800	87	88
C0995-21	PL7	47,000 D	17,000 D	87	81
C0995-22	PD1	<170	<170	86	85
C0995-23	PD2	<170	<170	84	80
C0995-24	PD3	820	480	96	87
C0995-25	PE1	1,700	1,000	88	88
C0995-26	PE2	4,500	1,400	92	91
C0995-27	PE3	460	360	91	84
C0995-28	PF1	34,000 D	13,000 D	99	92
C0995-29	PF2	52,000 D	22,000 D	102	99
C0995-30	PF3	14,000	5,400	97	80
C0995-31	PG1	7,200	4,100	99	86
C0995-32	PG2	7,500	2,800	95	97
C0995-33	PG3	18,000 D	7,500	94	87
C0995-34	PH1	3,800	2,300	100	88
C0995-35	PH2	4,000	1,800	88	80
C0995-36	PH3	3,600	1,700	90	80
C0995-37	PI1	15,000 D	9,900 D	95	90
C0995-38	PI2	18,000 D	20,000 D	91	86
C0995-39	PI3	2,500	1,400	87	77
QA/QC					
Method Blank					
P1109-B2		<170	<170	90	86
Matrix Spike					
C0995-22 MS		NA	NA	107	100
C0995-22 MSD		NA	NA	89	85
Lab Control Sample					
P1109-L2		NA	NA	83	90

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1109-L2	87	85
Matrix Spike		
C0995-22 MS	108	105
C0995-22 MSD	93	89

QC Batch: P1021-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK7
Lab ID: C0995-18
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	2,400	180
Aroclor-1248	ND	180
Aroclor-1254	2,800	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL7
Lab ID: C0995-21
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	47,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	17,000 D	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1109-B2

033

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD1
Lab ID: C0995-22
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	86%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1109-B2

034

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD2
Lab ID: C0995-23
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1109-B2

035

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD3
Lab ID: C0995-24
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	820	180
Aroclor-1248	ND	180
Aroclor-1254	480	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1109-B2

036

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE1
Lab ID: C0995-25
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	1,700	180
Aroclor-1248	ND	180
Aroclor-1254	1,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1109-B2

037

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE2
Lab ID: C0995-26
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	4,500	180
Aroclor-1248	ND	180
Aroclor-1254	1,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	91%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE3
Lab ID: C0995-27
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	460	170
Aroclor-1248	ND	170
Aroclor-1254	360	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF1
Lab ID: C0995-28
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	34,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	13,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	92%

ND=Not Detected

QC Batch: P1109-B2

040

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF2
Lab ID: C0995-29
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	52,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	22,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	99%

ND=Not Detected

QC Batch: P1109-B2

041

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF3
Lab ID: C0995-30
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	14,000	180
Aroclor-1248	ND	180
Aroclor-1254	5,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG1
Lab ID: C0995-31
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	7,200	190
Aroclor-1248	ND	190
Aroclor-1254	4,100	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	86%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG2
Lab ID: C0995-32
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	7,500	180
Aroclor-1248	ND	180
Aroclor-1254	2,800	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	97%

ND=Not Detected

QC Batch: P1109-B2

044

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG3
Lab ID: C0995-33
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	18,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	7,500	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	94%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1109-B2

045

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH1
Lab ID: C0995-34
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	3,800	180
Aroclor-1248	ND	180
Aroclor-1254	2,300	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1109-B2

046

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH2
Lab ID: C0995-35
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	4,000	180
Aroclor-1248	ND	180
Aroclor-1254	1,800	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH3
Lab ID: C0995-36
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	3,600	200
Aroclor-1248	ND	200
Aroclor-1254	1,700	200
Aroclor-1260	ND	200

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	90%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI1
Lab ID: C0995-37
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	15,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	9,900 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	90%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI2
Lab ID: C0995-38
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	18,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	20,000 D	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	86%

ND=Not Detected

QC Batch: P1109-B2

050

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI3
Lab ID: C0995-39
Analysis: Method 8080

Analysis Date: 11/14/96
Matrix: Soil, % solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	33
Aroclor-1221	ND	66
Aroclor-1232	ND	33
Aroclor-1242	ND	33
Aroclor-1248	2,500	33
Aroclor-1254	ND	33
Aroclor-1260	1,400	33

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	77%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1109-B2
Analysis: Method 8080

Analysis Date: 11/13/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	90%
Decachlorobiphenyl	86%

ND=Not Detected

QC Batch: P1109-B2

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PD1
Lab ID for Matrix Spike: C0995-22MS
Lab ID for Matrix Spike Duplicate: C0995-22MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 11/25/96
Analysis Date for Matrix Spike Duplicate: 11/25/96

Analyte	% Recovery Matrix Spike	% Recovery Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	108	93	15
2,2',3,3',4,4'-Hexachlorobiphenyl	105	89	16

QC Batch: P1109-B2

053

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1109-L2
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 11/13/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	87
2,2',3,3',4,4'-Hexachlorobiphenyl	85

QC Batch: P1109-B2

054

QC Batch: P1113-B1

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1113-B1

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-40	PJ1	34,000 D	13,000 D	96	79
C0995-41	PJ2	22,000 D	6,600	85	93
C0995-42	PJ3	22,000 D	8,800	94	82
C0995-43	PK1	10,000	6,000	108	86
C0995-44	PK2	7,100	4,300	102	80
C0995-45	PK3	6,400	4,000	92	77
C0995-46	PL1	12,000	7,900	103	88
C0995-47	PL2	8,300	7,200	91	75
C0995-48	PL3	14,000	7,800	103	80
C0995-49	PA4	<170	<170	102	88
C0995-50	PA5	450	320	103	85
C0995-51	PA6	1,100	3,800	99	81
C0995-52	PB4	<180	<180	99	77
C0995-53	PB5	2,300	840	85	71
C0995-54	PB6	<180	<180	102	84
C0995-55	PC4	2,400	1,100	95	87
C0995-56	PC5	3,400	1,400	112	119
C0995-57	PC6	1,800	750	96	78
C0995-58	PD4	550	<180	98	84
C0995-59	PD5	6,300	2,700	94	75
QA/QC					
Method Blank					
P1113-B1		< 170	< 170	97	81
Matrix Spike					
C0995-42 MS		NA	NA	94	82
C0995-42 MSD		NA	NA		
Lab Control Sample					
P1113-L1		NA	NA	99	86

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1113-L1	98	96
Matrix Spike		
C0995-42 MS	42 *	74
C0995-42 MSD	62 *	80

QC Batch: P1113-B1

* Low recovery and high RPD due to high concentration of Aroclor 1242 in the unspiked sample (22,000 ug/kg).

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ1
Lab ID: C0995-40
Analysis: Method 8080

Analysis Date: 11/18/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	34,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	13,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	79%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ2
Lab ID: C0995-41
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	22,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	6,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	93%

ND=Not Detected

QC Batch: P1113-B1

059

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ3
Lab ID: C0995-42
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	22,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	8,800	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	94%
Decachlorobiphenyl	82%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK1
Lab ID: C0995-43
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	10,000	170
Aroclor-1248	ND	170
Aroclor-1254	6,000	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	108%
Decachlorobiphenyl	86%

ND=Not Detected

QC Batch: P1113-B1

061

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK2
Lab ID: C0995-44
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	7,100	170
Aroclor-1248	ND	170
Aroclor-1254	4,300	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1113-B1

062

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK3
Lab ID: C0995-45
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	6,400	180
Aroclor-1248	ND	180
Aroclor-1254	4,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	77%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL1
Lab ID: C0995-46
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	12,000	180
Aroclor-1248	ND	180
Aroclor-1254	7,900	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	103%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL2
Lab ID: C0995-47
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	8,300	170
Aroclor-1248	ND	170
Aroclor-1254	7,200	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	75%

ND=Not Detected

QC Batch: P1113-B1

065

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL3
Lab ID: C0995-48
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	14,000	170
Aroclor-1248	ND	170
Aroclor-1254	7,800	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	103%
Decachlorobiphenyl	80%

ND=Not Detected

QC Batch: P1113-B1

066

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA4
Lab ID: C0995-49
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1113-B1

067

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA5
Lab ID: C0995-50
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	450	180
Aroclor-1248	ND	180
Aroclor-1254	320	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	103%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA6
Lab ID: C0995-51
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 51% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	1,100	170
Aroclor-1248	ND	170
Aroclor-1254	3,800	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1113-B1

063

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB4
Lab ID: C0995-52
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	77%

ND=Not Detected

QC Batch: P1113-B1

070

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB5
Lab ID: C0995-53
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	2,300	170
Aroclor-1248	ND	170
Aroclor-1254	840	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	71%

ND=Not Detected

QC Batch: P1113-B1

071

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB6
Lab ID: C0995-54
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1113-B1

072

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC4
Lab ID: C0995-55
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	2,400	170
Aroclor-1248	ND	170
Aroclor-1254	1,100	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1113-B1

073

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC5
Lab ID: C0995-56
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	3,400	170
Aroclor-1248	ND	170
Aroclor-1254	1,400	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	112%
Decachlorobiphenyl	119%

ND=Not Detected

QC Batch: P1113-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC6
Lab ID: C0995-57
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	1,800	180
Aroclor-1248	ND	180
Aroclor-1254	750	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	78%

ND=Not Detected

QC Batch: P1113-B1

075

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD4
Lab ID: C0995-58
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	550	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1113-B1

076

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD5
Lab ID: C0995-59
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	6,300	180
Aroclor-1248	ND	180
Aroclor-1254	2,700	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	94%
Decachlorobiphenyl	75%

ND=Not Detected

QC Batch: P1113-B1

077

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1113-B1
Analysis: Method 8080

Analysis Date: 11/19/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1113-B1

078

C0995-MB3

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1113-L1
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 11/19/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	98
2,2',3,3',4,4'-Hexachlorobiphenyl	96

QC Batch: P1113-B1

079

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PJ3
Lab ID for Matrix Spike: C0995-42MS
Lab ID for Matrix Spike Duplicate: C0995-42MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 11/20/96
Analysis Date for Matrix Spike Duplicate: 11/20/96

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	42	62	38*
2,2',3,3',4,4'-Hexachlorobiphenyl	74	80	8

QC Batch: P1113-B1

* Low recovery and high % RPD due to high concentration of AR1242 in the unspiked sample (22,000ug/kg).

QC Batch: P1118-B1

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1118-B1

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-60	PD6	3,700	5,400	105	89
C0995-61	PE5	12,000	7,000	98	117
C0995-62	PE4	210	<180	88	76
C0995-63	PE6	5,500	4,500	98	83
C0995-64	PF4	24,000 D	9,300	92	85
C0995-65	PF5	20,000 D	8,900	91	89
C0995-66	PF6	570	370	92	78
C0995-68	PG5	32,000 D	13,000 D	78	79
C0995-69	PG6	720	370	74	59
C0995-70	PH4	83,000 D	26,000 D	71	97
C0995-71	PH5	51,000 D	8,400	86	72
C0995-72	PH6	7,700	4,300	84	81
C0995-73	PI4	3,500	2,400	91	87
C0995-74	PI5	45,000 D	9,700	83	86
C0995-75	PI6	10,000	5,300	89	84
C0995-76	PJ4	15,000 D	6,600	99	93
C0995-77	PJ5	51,000 D	20,000 D	92	87
C0995-78	PJ6	6,100	4,300	74	84
C0995-79	PK4	16,000 D	6,000	97	89
QA/QC					
Method Blank					
P1118-B1		<170	<170	98	85
Matrix Spike					
C0995-60 MS		NA	NA	98	85
C0995-60 MSD		NA	NA	99	86
Lab Control Sample					
P1118-L1		NA	NA	102	88

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1108-L1	83	86
Matrix Spike		
C0995-60 MS	80	82
C0995-60 MSD	79	82

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD6
Lab ID: C0995-60
Analysis: Method 8080

Analysis Date: 11/20/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	3,700	190
Aroclor-1248	ND	190
Aroclor-1254	5,400	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	105%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE5
Lab ID: C0995-61
Analysis: Method 8080

Analysis Date: 11/20/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	12,000	180
Aroclor-1248	ND	180
Aroclor-1254	7,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	117%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE4
Lab ID: C0995-62
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	210	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	76%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE6
Lab ID: C0995-63
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	5,500	170
Aroclor-1248	ND	170
Aroclor-1254	4,500	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	83%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF4
Lab ID: C0995-64
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	24,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	9,300	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF5
Lab ID: C0995-65
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	20,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	8,900	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF6
Lab ID: C0995-66
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	570	180
Aroclor-1248	ND	180
Aroclor-1254	370	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	78%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG5
Lab ID: C0995-68
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	32,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	13,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	79%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG6
Lab ID: C0995-69
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 98% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	160
Aroclor-1221	ND	330
Aroclor-1232	ND	160
Aroclor-1242	720	160
Aroclor-1248	ND	160
Aroclor-1254	370	160
Aroclor-1260	ND	160

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	59%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH4
Lab ID: C0995-70
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	83,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	26,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	71%
Decachlorobiphenyl	97%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH5
Lab ID: C0995-71
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	51,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	8,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	86%
Decachlorobiphenyl	72%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH6
Lab ID: C0995-72
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	7,700	180
Aroclor-1248	ND	180
Aroclor-1254	4,300	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI4
Lab ID: C0995-73
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	3,500	180
Aroclor-1248	ND	180
Aroclor-1254	2,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI5
Lab ID: C0995-74
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	45,000 D	200
Aroclor-1248	ND	200
Aroclor-1254	9,700	200
Aroclor-1260	ND	200

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	86%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI6
Lab ID: C0995-75
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	10,000	170
Aroclor-1248	ND	170
Aroclor-1254	5,300	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	89%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ4
Lab ID: C0995-76
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	15,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	6,600	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	93%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ5
Lab ID: C0995-77
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	51,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	20,000 D	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ6
Lab ID: C0995-78
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	6,100	170
Aroclor-1248	ND	170
Aroclor-1254	4,300	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK4
Lab ID: C0995-79
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	16,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	6,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1118-B1
Analysis: Method 8080

Analysis Date: 11/20/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	85%

ND=Not Detected

QC Batch: P1118-B1

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PL9
Lab ID for Matrix Spike: C0995-02MS
Lab ID for Matrix Spike Duplicate: C0995-02MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 11/ /96
Analysis Date for Matrix Spike Duplicate: 11/ /96

% Recovery

Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	61	72	16
2,2',3,3',4,4'-Hexachlorobiphenyl	70	80	13

QC Batch: P1021-B2

no date for blspike & matrix spike - but in batch 1021-B2 instead of P1118

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1021-L2
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 11/ /96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	96
2,2',3,3',4,4'-Hexachlorobiphenyl	94

QC Batch: P1021-B2

QC Batch: P1119-B1

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1119-B1

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-80	PK5	14,000 D	6,700	88	95
C0995-81	PK6	6,200	11,000	84	89
C0995-82	PL4	19,000 D	11,000	92	89
C0995-83	PA7	320	520	95	87
C0995-84	PA8	290	460	93	93
C0995-85	PA9	<190	760	83	76
C0995-86	PB7	7,500	110,000 D	91	83
C0995-87	PB8	23,000 D	13,000 D	102	94
C0995-88	PB9	3,400	3,000	98	90
C0995-89	PC7	28,000 D	15,000 D	100	94
C0995-90	PC8	21,000 D	16,000 D	103	97
C0995-91	PC9	8,000	5,200	102	89
C0995-92	PD7	10,000	6,200	110	87
C0995-93	PD8	300	<190	102	81
C0995-94	PD9	300	270	100	84
C0995-95	PE7	<180	<180	85	76
C0995-96	PE8	670	250	96	79
C0995-97	PE9	630	290	74	72
C0995-98	PF7	590	290	88	73
C0995-99	PF8	430	220	91	75
QA/QC					
Method Blank					
P1119-B1		<170	<170	95	94
Matrix Spike					
C0995-82 MS		NA	NA	98	96
C0995-82 MSD		NA	NA	96	93
Lab Control Sample					
P1119-L1		NA	NA	100	90

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1119-L1	84	88
Matrix Spike		
C0995-82 MS	78	95
C0995-82 MSD	99	93

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK5
Lab ID: C0995-80
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	14,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	6,700	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	95%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK6
Lab ID: C0995-81
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	6,200	190
Aroclor-1248	ND	190
Aroclor-1254	11,000	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL4
Lab ID: C0995-82
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	19,000 D	200
Aroclor-1248	ND	200
Aroclor-1254	11,000	200
Aroclor-1260	ND	200

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA7
Lab ID: C0995-83
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	320	180
Aroclor-1248	ND	180
Aroclor-1254	520	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA8
Lab ID: C0995-84
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	290	190
Aroclor-1248	ND	190
Aroclor-1254	460	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	93%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PA9
Lab ID: C0995-85
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	760	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	76%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB7
Lab ID: C0995-86
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	390
Aroclor-1232	ND	200
Aroclor-1242	7,500	200
Aroclor-1248	ND	200
Aroclor-1254	110,000 D	200
Aroclor-1260	ND	200

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	83%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB8
Lab ID: C0995-87
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 80% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	23,000 D	200
Aroclor-1248	ND	200
Aroclor-1254	13,000 D	200
Aroclor-1260	ND	200

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PB9
Lab ID: C0995-88
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	3,400	170
Aroclor-1248	ND	170
Aroclor-1254	3,000	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	90%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC7
Lab ID: C0995-89
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	28,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	15,000 D	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC8
Lab ID: C0995-90
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	21,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	16,000 D	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	103%
Decachlorobiphenyl	97%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PC9
Lab ID: C0995-91
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	8,000	180
Aroclor-1248	ND	180
Aroclor-1254	5,200	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	89%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD7
Lab ID: C0995-92
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	10,000	180
Aroclor-1248	ND	180
Aroclor-1254	6,200	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	110%
Decachlorobiphenyl	87%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD8
Lab ID: C0995-93
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	300	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PD9
Lab ID: C0995-94
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	300	170
Aroclor-1248	ND	170
Aroclor-1254	270	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE7
Lab ID: C0995-95
Analysis: Method 8080

Analysis Date: 11/22/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	76%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE8
Lab ID: C0995-96
Analysis: Method 8080

Analysis Date: 11/23/96
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	670	190
Aroclor-1248	ND	190
Aroclor-1254	250	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	79%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PE9
Lab ID: C0995-97
Analysis: Method 8080

Analysis Date: 11/23/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	630	180
Aroclor-1248	ND	180
Aroclor-1254	290	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	72%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF7
Lab ID: C0995-98
Analysis: Method 8080

Analysis Date: 11/23/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	590	180
Aroclor-1248	ND	180
Aroclor-1254	290	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	73%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF8
Lab ID: C0995-99
Analysis: Method 8080

Analysis Date: 11/23/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	430	180
Aroclor-1248	ND	180
Aroclor-1254	220	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	75%

ND=Not Detected

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1119-B1
Analysis: Method 8080

Analysis Date: 11/21/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1119-B1

C0995-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1119-L1
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 11/21/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	84
2,2',3,3',4,4'-Hexachlorobiphenyl	88

QC Batch: P1119-B1

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PL4
Lab ID for Matrix Spike: C0995-82MS
Lab ID for Matrix Spike Duplicate: C0995-82MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 11/21/96
Analysis Date for Matrix Spike Duplicate: 11/21/96

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	78	95	20
2,2',3,3',4,4'-Hexachlorobiphenyl	99	93	6

QC Batch: P1119-B1

QC Batch: P1121-B1

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1121-B1

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-100	PF9	2,000	940	72	82
C0995-101	PG7	5,800	2,600	90	97
C0995-102	PG8	6,900	5,000	89	93
C0995-103	PG9	12,000	9,000	97	102
C0995-104	PH7	1,900	1,400	93	94
C0995-105	PH8	14,000 D	9,700 D	96	108
C0995-106	PI10	35,000 D	52,000 D	77	92
C0995-107	PI11	240	310	84	95
C0995-108	PKK11	<180	220	94	103
C0995-109	PI12	<240	31,000 D	108	112
C0995-110	DK12	10,000	<180	102	109
C0995-111	DG11	880	910	97	102
C0995-112	DL9	9,700	8,000	93	105
C0995-113	DF8	1,900	1,400	92	100
C0995-114	DH7	1,900	1,300	95	97
C0995-115	DK4	26,000 D	8,600	90	94
C0995-116	DE6	6,000	4,500	77	88
C0995-117	DA8	380	540	71	81
C0995-118	PL10	1,700	2,100	80	96
C0995-119	PL11	8,500	3,700	76	81
QA/QC					
Method Blank					
P1121-B1		<170	<170	102	106
Matrix Spike					
C0995-100 MS		NA	NA	79	87
C0995-100 MSD		NA	NA	84	89
Lab Control Sample					
P1121-L1		NA	NA	97	102

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1121-L1	107	105
Matrix Spike		
C0995-100 MS	92	92
C0995-100 MSD	97	97

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PF9
Lab ID: C0995-100
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	2,000	180
Aroclor-1248	ND	180
Aroclor-1254	940	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	82%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG7
Lab ID: C0995-101
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	5,800	180
Aroclor-1248	ND	180
Aroclor-1254	2,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	90%
Decachlorobiphenyl	97%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG8
Lab ID: C0995-102
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	6,900	190
Aroclor-1248	ND	190
Aroclor-1254	5,000	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	89%
Decachlorobiphenyl	93%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG9
Lab ID: C0995-103
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	12,000	180
Aroclor-1248	ND	180
Aroclor-1254	9,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	102%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH7
Lab ID: C0995-104
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	1,900	180
Aroclor-1248	ND	180
Aroclor-1254	1,400	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PH8
Lab ID: C0995-105
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	14,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	9,700 D	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	108%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI10
Lab ID: C0995-106
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	35,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	52,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	77%
Decachlorobiphenyl	92%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI11
Lab ID: C0995-107
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	240	170
Aroclor-1248	ND	170
Aroclor-1254	310	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	95%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PKK11
Lab ID: C0995-108
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	220	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	94%
Decachlorobiphenyl	103%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI12
Lab ID: C0995-109
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 99% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	240
Aroclor-1221	ND	470
Aroclor-1232	ND	240
Aroclor-1242	ND	240
Aroclor-1248	ND	240
Aroclor-1254	31,000 D	240
Aroclor-1260	ND	240

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	108%
Decachlorobiphenyl	112%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DK12
Lab ID: C0995-110
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	10,000	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	109%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DG11
Lab ID: C0995-111
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil, 97% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	880	170
Aroclor-1248	ND	170
Aroclor-1254	910	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	102%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DL9
Lab ID: C0995-112
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	9,700	180
Aroclor-1248	ND	180
Aroclor-1254	8,000	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	105%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DF8
Lab ID: C0995-113
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 94% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	1,900	170
Aroclor-1248	ND	170
Aroclor-1254	1,400	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	100%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DH7
Lab ID: C0995-114
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	1,900	180
Aroclor-1248	ND	180
Aroclor-1254	1,300	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	97%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DK4
Lab ID: C0995-115
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	26,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	8,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	90%
Decachlorobiphenyl	94%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DE6
Lab ID: C0995-116
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	340
Aroclor-1232	ND	170
Aroclor-1242	6,000	170
Aroclor-1248	ND	170
Aroclor-1254	4,500	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	77%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DA8
Lab ID: C0995-117
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	380	190
Aroclor-1248	ND	190
Aroclor-1254	540	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	71%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL10
Lab ID: C0995-118
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 91% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	1,700	180
Aroclor-1248	ND	180
Aroclor-1254	2,100	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	96%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL11
Lab ID: C0995-119
Analysis: Method 8080

Analysis Date: 12/1/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	8,500	180
Aroclor-1248	ND	180
Aroclor-1254	3,700	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	76%
Decachlorobiphenyl	81%

ND=Not Detected

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1121-B1
Analysis: Method 8080

Analysis Date: 11/30/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	106%

ND=Not Detected

QC Batch: P1121-B1

C0995-MB6

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MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1121-L1
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 11/30/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	107
2,2',3,3',4,4'-Hexachlorobiphenyl	105

QC Batch: P1121-B1

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PL4
Lab ID for Matrix Spike: C0995-100MS
Lab ID for Matrix Spike Duplicate: C0995-100MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 11/30/96
Analysis Date for Matrix Spike Duplicate: 11/30/96

% Recovery

Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	92	97	5
2,2',3,3',4,4'-Hexachlorobiphenyl	92	97	5

QC Batch: P1121-B1

QC Batch: P1125-B1

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1125-B1

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-120	PKK4	< 280	38,000 D	113	112
C0995-121	PL12	350	270	92	95
C0995-122	PJ10	20,000 D	26,000 D	96	103
C0995-123	PGG5	35,000 D	< 180	102	101
C0995-124	PJ11	2,400	2,600	77	84
C0995-125	PJ12	2,100	960	105	111
C0995-126	PJ8	< 220	36,000 D	100	101
C0995-127	PK10	5,500	4,900	100	110
C0995-128	PK11	4,100	2,500	106	111
C0995-129	PK12	7,100	< 190	95	99
C0995-131	DD1	< 170	< 170	87	88
C0995-132	DG6	1,100	440	96	92
C0995-133	DI2	23,000 D	27,000 D	104	110
C0995-134	DKO1	17,000 D	8,600	110	107
C0995-67	PG4	57,000 D	22,000 D	87	96

QA/QC

Method Blank				
P1125-B1	<170	<170	107	101
Matrix Spike				
C0995-121 MS	NA	NA	76	83
C0995-121 MSD	NA	NA	97	110
Lab Control Sample				
P1125-L1	NA	NA	109	107

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

* Sample to be re-extracted

Spike Recovery Summary

	2,4,4'-Trichloro-biphenyl	2,2',3,3',4,4'-Hexachlorobiphenyl
Lab Control Summary		
P1121-L1	108	107
Matrix Spike		
C0995-121 MS	26 *	68
C0995-121 MSD	68 *	98

QC Batch: P1125-B1

* Low recovery and high RPD due to high concentration of Aroclor 1242 in the unspiked sample (20,000 ug/kg).

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PG4
Lab ID: C0995-67
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	57,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	22,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	96%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PKK4
Lab ID: C0995-120
Analysis: Method 8080

Analysis Date: 12/2/96
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	280
Aroclor-1221	ND	560
Aroclor-1232	ND	280
Aroclor-1242	ND	280
Aroclor-1248	ND	280
Aroclor-1254	38,000 D	280
Aroclor-1260	ND	280

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	113%
Decachlorobiphenyl	112%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PL12
Lab ID: C0995-121
Analysis: Method 8080

Analysis Date: 12/ /96
Matrix: Soil, % solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	33
Aroclor-1221	ND	66
Aroclor-1232	ND	33
Aroclor-1242	ND	33
Aroclor-1248	ND	33
Aroclor-1254	ND	33
Aroclor-1260	ND	33

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene
Decachlorobiphenyl

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ10
Lab ID: C0995-122
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	20,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	26,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	103%

ND=Not Detected

QC Batch: P1125-B1

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MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PGG5
Lab ID: C0995-123
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 99% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	35,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	101%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ11
Lab ID: C0995-124
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	2,400	190
Aroclor-1248	ND	190
Aroclor-1254	2,600	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	77%
Decachlorobiphenyl	84%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PJ12
Lab ID: C0995-125
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	2,100	180
Aroclor-1248	ND	180
Aroclor-1254	960	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	105%
Decachlorobiphenyl	111%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PI18
Lab ID: C0995-126
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	220
Aroclor-1221	ND	440
Aroclor-1232	ND	220
Aroclor-1242	ND	220
Aroclor-1248	ND	220
Aroclor-1254	36,000 D	220
Aroclor-1260	ND	220

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	101%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK10
Lab ID: C0995-127
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	5,500	180
Aroclor-1248	ND	180
Aroclor-1254	4,900	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	110%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK11
Lab ID: C0995-128
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	4,100	180
Aroclor-1248	ND	180
Aroclor-1254	2,500	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	106%
Decachlorobiphenyl	111%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PK12
Lab ID: C0995-129
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	7,100	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	99%

ND=Not Detected

QC Batch: P1125-B1

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MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DD1
Lab ID: C0995-131
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	88%

ND=Not Detected

QC Batch: P1125-B1

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MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DG6
Lab ID: C0995-132
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 93% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	350
Aroclor-1232	ND	170
Aroclor-1242	1,100	170
Aroclor-1248	ND	170
Aroclor-1254	440	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	92%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DI2
Lab ID: C0995-133
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	370
Aroclor-1232	ND	180
Aroclor-1242	23,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	27,000 D	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	104%
Decachlorobiphenyl	110%

ND=Not Detected

QC Batch: P1125-B1

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MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DK01
Lab ID: C0995-134
Analysis: Method 8080

Analysis Date: 12/3/96
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	360
Aroclor-1232	ND	180
Aroclor-1242	17,000 D	180
Aroclor-1248	ND	180
Aroclor-1254	8,600	180
Aroclor-1260	ND	180

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	110%
Decachlorobiphenyl	107%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1125-B1
Analysis: Method 8080

Analysis Date: 12/2/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	107%
Decachlorobiphenyl	101%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1125-L1
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 12/2/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	108
2,2',3,3',4,4'-Hexachlorobiphenyl	107

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: PJ10
Lab ID for Matrix Spike: C0995-122MS
Lab ID for Matrix Spike Duplicate: C0995-122MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 12/3/96
Analysis Date for Matrix Spike Duplicate: 12/3/96

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	26*	68	89
2,2',3,3',4,4'-Hexachlorobiphenyl	68*	98	36

QC Batch: P1125-B1

* Low recovery and high RPD due to high concentration of Aroclor in the unspiked sample (20,000 ug/kg).

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QC Batch: P1209-B3

MITKEM CORPORATION

VHB Boliden Metech Project--PCB Analysis Summary

Client: VHB
Sample concentration in ug/kg, dry weight basis
QC Batch: P1209-B3

Lab ID	Client ID	AR1242	AR1254	% Surrogate Rec. TCMX	DCB
C0995-130	DB5	1,700	700	91	143
QA/QC					
Method Blank					
P1209-B3		<170	<170	86	126
Lab Control Sample					
P1209-L3		NA	NA	90	132

TCMX = Tetrachloromethyl xylene
DCB = Decachlorobiphenyl

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DB5
Lab ID: C0995-130
Analysis: Method 8080

Analysis Date: 12/13/96
Matrix: Soil, 99% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	1,700	170
Aroclor-1248	ND	170
Aroclor-1254	700	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	143%

ND=Not Detected

QC Batch: P1125-B1

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P1209-B3
Analysis: Method 8080

Analysis Date: 12/13/96
Matrix: Soil
Concentration in: ug/kg
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	86%
Decachlorobiphenyl	126%

ND=Not Detected

QC Batch: P1209-B3

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P1209-L3
Analysis: Method 8080

Matrix: Soil
Analysis Date for Blank Spike: 12/13/96

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	94
2,2',3,3',4,4'-Hexachlorobiphenyl	90

QC Batch: P1209-B1

QC Batch: P1109-B2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-18R.D Vial: 10
Signal #2 : D:\HPCHEM\5\13NOV96\C995-18R.D\CONFIRM.D
Acq On : 13 Nov 96 03:41 PM Operator: JS
Sample : VHB / PK7 REEXTRACT Inst : ECD1
Misc : 15.1G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 16:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.44	8651	6975	34.704	35.717	
				Recovery	=	86.76% ✓	89.29%	
2) S	Decachlorobiphenyl	22.17	30.39	7192	3153	35.348	32.459	
				Recovery	=	88.37% ✓	81.15%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.18	11.67	19187	13469	177.562	139.162	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	6642	4477	35.518	26.488	#
5) L1	Aroclor-1016	6.76	8.80	4199	963	131.068	75.640	#
6) L1	Aroclor-1016 (2)	8.88	10.32	5511	3938	324.018	139.740	#
7) L1	Aroclor-1016 (3)	9.26	12.24	14785	3123	572.998	184.204	#
Total	Aroclor-1016			24495	8024	1028.085	399.584	
Average	Aroclor-1016					342.695	133.195	
8) L2	Aroclor-1221	5.05	8.03	110	227	15.675	37.045	#
9) L2	Aroclor-1221 (2)	5.47	8.57	236	431	40.378	88.409	#
10) L2	Aroclor-1221 (3)	5.65	8.80	1645	963	81.417	62.722	
Total	Aroclor-1221			1991	1621	137.469	188.176	
Average	Aroclor-1221					45.823	62.725	
11) L3	Aroclor-1232	5.65	8.80	1645	963	90.190	67.194	#
12) L3	Aroclor-1232 (2)	6.76	10.32	4199	3938	307.697	327.814	
13) L3	Aroclor-1232 (3)	8.56	12.24	3158	3123	381.463	450.311	
Total	Aroclor-1232			9002	8024	779.351	845.319	
Average	Aroclor-1232					259.784	281.773	
14) L4	Aroclor-1242	5.65	8.80	1645	963	69.188	50.871	#
15) L4	Aroclor-1242 (2)	6.76	10.32	4199	3938	99.165	106.128	
16) L4	Aroclor-1242 (3)	8.18	11.38	19187	1803	297.334	113.296	#
17) L4	Aroclor-1242 (4)	8.56	11.67	3158	13469	117.079	266.656	#
18) L4	Aroclor-1242 (5)	8.88	12.24	5511	3123	248.190	140.430	#
Total	Aroclor-1242			33700	23297	830.956	677.380	
Average	Aroclor-1242					166.191	135.476	
19) L5	Aroclor-1248	9.26	14.96	14785	6911	524.616	344.680	#
20) L5	Aroclor-1248 (2)	10.02	15.17	13482	8942	573.818	433.435	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-18R.D Vial: 10
Signal #2 : D:\HPCHEM\5\13NOV96\C995-18R.D\CONFIRM.D
Acq On : 13 Nov 96 03:41 PM Operator: JS
Sample : VHB / PK7 REEXTRACT Inst : ECD1
Misc : 15.1G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 16:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	15861	5943	521.083	384.053 #
Total Aroclor-1248			44128	21797	1619.518	1162.168
Average Aroclor-1248					539.839	387.389
22) L6 Aroclor-1254	13.02	17.17	10168	8918	293.227	285.416
23) L6 Aroclor-1254 {2}	13.36	17.56	22405	20733	311.318	300.300
24) L6 Aroclor-1254 {3}	13.86	17.99	11108	12622	330.604	289.692
25) L6 Aroclor-1254 (4)	14.20	18.51	13749	9789	293.901	348.966
26) L6 Aroclor-1254 (5)	15.75	20.05	19452	15752	360.848	359.308
Total Aroclor-1254			76882	67815	1589.899	1583.682
Average Aroclor-1254					317.980	316.736
27) L7 Aroclor-1260	13.86	18.19	11108	8224	321.012	253.142
28) L7 Aroclor-1260 {2}	14.64	18.51	11070	9789	278.981	266.401
29) L7 Aroclor-1260 {3}	17.85	21.92	5122	4710	92.726	86.985
Total Aroclor-1260			27299	22723	692.719	606.529
Average Aroclor-1260					230.906	202.176
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

2 peaks only

AR 1242

$$= \frac{(297.334 + 248.15) \times \frac{5}{2} \times 25\,mL}{15.1\,g \times 0.94} = \frac{1390}{2400}$$

AR1254 =

$$\frac{1583.7 \times 25\,mL}{15.1\,g \times 0.94} = 2790$$

MRL = 180/350

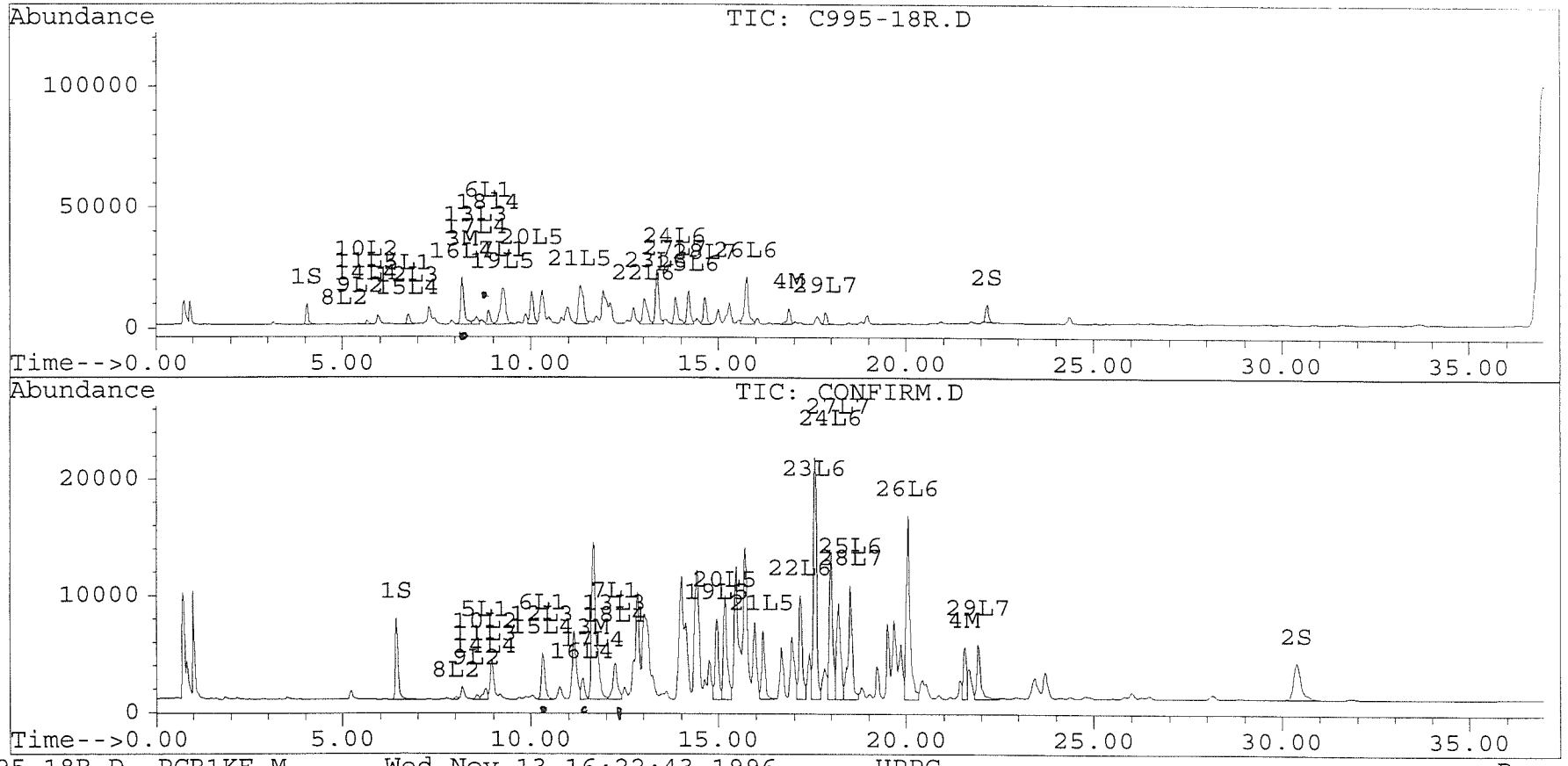
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=Manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-18R.D Vial: 10
Signal #2 : D:\HPCHEM\5\13NOV96\C995-18R.D\CONFIRM.D
Acq On : 13 Nov 96 03:41 PM Operator: JS
Sample : VHB / PK7 REEXTRACT Inst : ECD1
Misc : 15.1G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 16:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-21.D Vial: 11
Signal #2 : D:\HPCHEM\5\13NOV96\C995-21.D\CONFIRM.D
Acq On : 13 Nov 96 05:03 PM Operator: JS
Sample : VHB / PL7 Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 17:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	8181	6803	32.816	34.840
					Recovery	=	82.04%	87.10% ✓
2)	S	Decachlorobiphenyl	22.16	30.39	3868	3146	19.013	32.385 #
					Recovery	=	47.53%	80.96% ✓
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	247991	181608	2294.950	1876.316
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	28381	20434	151.769	120.883
5)	L1	Aroclor-1016	6.75	8.79	72516	12307	2263.387	966.736 #
6)	L1	Aroclor-1016 {2}	8.88	10.32	83497	64334	4909.124	2282.716
7)	L1	Aroclor-1016 {3}	9.27	12.24	121823	46275	4721.309	2729.832
	Total	Aroclor-1016			277836	122915	11893.819	5979.285
Average		Aroclor-1016					3964.606	1993.095
8)	L2	Aroclor-1221	5.05	8.02	1158	2232	165.244	365.054 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	2813	7364	482.182	1509.852 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	25955	12307	1284.515	801.639 #
	Total	Aroclor-1221			29926	21904	1931.941	2676.545
Average		Aroclor-1221					643.980	892.182
11)	L3	Aroclor-1232	5.64	8.79	25955	12307	1422.929	858.798 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	72516	64334	5313.545	5354.980
13)	L3	Aroclor-1232 {3}	8.55	12.24	50740	46275	6129.773	6673.445
	Total	Aroclor-1232			149211	122915	12866.247	12887.222
Average		Aroclor-1232					4288.749	4295.741
14)	L4	Aroclor-1242	5.64	8.79	25955	12307	1091.579	650.166 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	72516	64334	1712.452	1733.641
16)	L4	Aroclor-1242 {3}	8.17	11.37	247991	33865	3842.976	2127.660
17)	L4	Aroclor-1242 (4)	8.55	11.66	50740	181608	1881.351	3595.309
18)	L4	Aroclor-1242 (5)	8.88	12.24	83497	46275	3760.276	2081.117
	Total	Aroclor-1242			480699	338389	12288.635	10187.893
Average		Aroclor-1242					2457.727	2037.579
19)	L5	Aroclor-1248	9.27	14.95	121823	67244	4322.657	3353.615
20)	L5	Aroclor-1248 {2}	10.02	15.17	115088	74806	4898.388	3625.890

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-21.D Vial: 11
Signal #2 : D:\HPCHEM\5\13NOV96\C995-21.D\CONFIRM.D
Acq On : 13 Nov 96 05:03 PM Operator: JS
Sample : VHB / PL7 Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 17:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	115899	51685	3807.598	3339.926
Total Aroclor-1248			352810	193734	13028.643	10319.432
Average Aroclor-1248					4342.881	3439.811
22) L6 Aroclor-1254	13.02	17.17	55675	49528	1605.546	1585.084
23) L6 Aroclor-1254 {2}	13.36	17.56	103997	97879	1445.034	1417.667
24) L6 Aroclor-1254 {3}	13.85	17.99	49495	62924	1473.154	1444.211
25) L6 Aroclor-1254 (4)	14.20	18.51	67133	39037	1435.036	1391.538
26) L6 Aroclor-1254 (5)	15.75	20.04	76799	63547	1424.675	1449.484
Total Aroclor-1254			353100	312914	7383.445	7287.984
Average Aroclor-1254					1476.689	1457.597
27) L7 Aroclor-1260	13.85	18.19	49495	35746	1430.414	1100.283
28) L7 Aroclor-1260 {2}	14.64	18.51	43111	39037	1086.443	1062.301
29) L7 Aroclor-1260 {3}	17.84	21.92	20245	18196	366.540	336.062
Total Aroclor-1260			112851	92978	2883.397	2498.646
Average Aroclor-1260					961.132	832.882
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	1837	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 170/350

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-21.D PCB1KE.M Wed Nov 13 17:42:52 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-21A.D Vial: 37
Signal #2 : D:\HPCHEM\5\13NOV96\C995-21A.D\CONFIRM.D
Acq On : 14 Nov 96 03:39 PM Operator: JS
Sample : VHB / PL7 5X DILUTION Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 16:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.05	6.43	1766	1497	7.085	7.664
				Recovery	=	17.71% 89%	19.16%
2) S	Decachlorobiphenyl	22.16	30.39	1159	982	5.699	10.109 #
				Recovery	=	14.25% 71%	25.27%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.65	72557	52059	671.455	537.853
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	6859	4920	36.681	29.109
5) L1	Aroclor-1016	6.76	8.78	22367	3412	698.120	268.048 #
6) L1	Aroclor-1016 {2}	8.89	10.31	23190	19508	1363.461	692.191 #
7) L1	Aroclor-1016 {3}	9.27	12.23	37793	12942	1464.673	763.498 #
Total	Aroclor-1016			83350	35863	3526.254	1723.737
Average	Aroclor-1016					1175.418	574.579
8) L2	Aroclor-1221	5.06	8.01	291	537	41.586	87.864 #
9) L2	Aroclor-1221 {2}	5.48	8.55	730	1694	125.181	347.211 #
10) L2	Aroclor-1221 {3}	5.65	8.78	7081	3412	350.462	222.272 #
Total	Aroclor-1221			8103	5643	517.229	657.347
Average	Aroclor-1221					172.410	219.116
11) L3	Aroclor-1232	5.65	8.78	7081	3412	388.226	238.120 #
12) L3	Aroclor-1232 {2}	6.76	10.31	22367	19508	1638.912	1623.796
13) L3	Aroclor-1232 {3}	8.56	12.23	14472	12942	1748.280	1866.476
Total	Aroclor-1232			43920	35863	3775.418	3728.392
Average	Aroclor-1232					1258.473	1242.797
14) L4	Aroclor-1242	5.65	8.78	7081	3412	297.822	180.272 #
15) L4	Aroclor-1242 {2}	6.76	10.31	22367	19508	528.190	525.694
16) L4	Aroclor-1242 {3}	8.18	11.36	72557	9321	1124.375	585.603 #
17) L4	Aroclor-1242 (4)	8.56	11.65	14472	52059	536.582	1030.609 #
18) L4	Aroclor-1242 (5)	8.89	12.23	23190	12942	1044.380	582.061 #
Total	Aroclor-1242			139667	97242	3531.350	2904.240
Average	Aroclor-1242					706.270	580.848
19) L5	Aroclor-1248	9.27	14.94	37793	18641	1341.001	929.688 #
20) L5	Aroclor-1248 {2}	10.02	15.16	34353	20436	1462.111	990.564 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-21A.D Vial: 37
Signal #2 : D:\HPCHEM\5\13NOV96\C995-21A.D\CONFIRM.D
Acq On : 14 Nov 96 03:39 PM Operator: JS
Sample : VHB / PL7 5X DILUTION Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 16:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.32	16.17	33825	12710	1111.225	821.305 #
Total Aroclor-1248			105970	51787	3914.337	2741.557
Average Aroclor-1248					1304.779	913.852
22) L6 Aroclor-1254	13.03	17.17	14589	12829	420.721	410.568
23) L6 Aroclor-1254 (2)	13.37	17.55	29698	27042	412.645	391.672
24) L6 Aroclor-1254 (3)	13.86	17.98	13847	16994	412.131	390.050
25) L6 Aroclor-1254 (4)	14.20	18.50	18334	10778	391.916	384.197
26) L6 Aroclor-1254 (5)	15.75	20.04	20873	16768	387.205	382.481
Total Aroclor-1254			97341	84411	2024.618	1958.968
Average Aroclor-1254					404.924	391.794
27) L7 Aroclor-1260	13.86	18.18	13847	10287	400.174	316.631
28) L7 Aroclor-1260 (2)	14.64	18.50	12040	10778	303.418	293.296
29) L7 Aroclor-1260 (3)	17.85	21.92	4857	4541	87.932	83.868
Total Aroclor-1260			30743	25605	791.524	693.795
Average Aroclor-1260					263.841	231.265
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	28.14f	0	586	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Select only 2 peaks

$$\frac{(1124 + 1044) \times \frac{5}{2} \times 5^{DF} \times 25mL}{15.1g \times 0.95} = 47{,}000$$

AR1254

$$\frac{1959 \times 5 \times 25mL}{15.1g \times 0.95} = 17$$

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-21A.D PCB1KE.M Thu Nov 14 16:39:15 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22.D Vial: 12
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22.D\CONFIRM.D
Acq On : 13 Nov 96 05:44 PM Operator: JS
Sample : VHB / PD1 Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 18:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	8614	7234	34.555	37.046
					Recovery	=	86.39%	92.62%
2)	S	Decachlorobiphenyl	22.16	30.39	6905	3134	33.938	32.267
					Recovery	=	84.85%	80.67%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.19	11.68	177	372	1.638	3.841 #
4)	M	2,2',3,3',4,4'-Hexa	16.88	21.58	192	194	1.029	1.149
5)	L1	Aroclor-1016	6.77	0.00	55	0	1.726	N.D. #
6)	L1	Aroclor-1016 {2}	8.89	10.33	55	79	3.206	2.797
7)	L1	Aroclor-1016 {3}	9.26	0.00	174	0	6.736	N.D. #
	Total	Aroclor-1016			284	79	11.667	2.797
	Average	Aroclor-1016					3.889	2.797
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	275	N.D.	56.422 #
10)	L2	Aroclor-1221 {3}	5.63	0.00	337	0	16.664	N.D. #
	Total	Aroclor-1221			337	275	16.664	56.422
	Average	Aroclor-1221					16.664	56.422
11)	L3	Aroclor-1232	5.63	0.00	337	0	18.459	N.D. #
12)	L3	Aroclor-1232 {2}	6.77	10.33	55	79	4.052	6.562 #
13)	L3	Aroclor-1232 {3}	8.55	0.00	34	0	4.059	N.D. #
	Total	Aroclor-1232			426	79	26.570	6.562
	Average	Aroclor-1232					8.857	6.562
14)	L4	Aroclor-1242	5.63	0.00	337	0	14.161	N.D. #
15)	L4	Aroclor-1242 {2}	6.77	10.33	55	79	1.306	2.124 #
16)	L4	Aroclor-1242 {3}	8.19	0.00	177	0	2.743	N.D. #
17)	L4	Aroclor-1242 (4)	8.55	11.68	34	372	1.246	7.360 #
18)	L4	Aroclor-1242 (5)	8.89	0.00	55	0	2.455	N.D. #
	Total	Aroclor-1242			657	451	21.911	9.484
	Average	Aroclor-1242					4.382	4.742
19)	L5	Aroclor-1248	9.26	14.97	174	91	6.167	4.549 #
20)	L5	Aroclor-1248 {2}	10.03	15.19	137	123	5.846	5.981

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22.D Vial: 12
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22.D\CONFIRM.D
Acq On : 13 Nov 96 05:44 PM Operator: JS
Sample : VHB / PD1 Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 18:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	211	186	6.918	12.030 #
Total Aroclor-1248			522	401	18.931	22.560
Average Aroclor-1248					6.310	7.520
22) L6 Aroclor-1254	13.03	17.18	143	56	4.125	1.784 #
23) L6 Aroclor-1254 {2}	13.37	17.57	295	177	4.102	2.558 #
24) L6 Aroclor-1254 {3}	13.86	17.99	179	109	5.330	2.501 #
25) L6 Aroclor-1254 (4)	14.20	18.52	171	96	3.646	3.415
26) L6 Aroclor-1254 (5)	15.76	20.08f	185	392	3.435	8.936 #
Total Aroclor-1254			973	829	20.638	19.194
Average Aroclor-1254					4.128	3.839
27) L7 Aroclor-1260	13.86	18.20	179	110	5.175	3.376 #
28) L7 Aroclor-1260 {2}	14.62	18.52	256	96	6.451	2.607 #
29) L7 Aroclor-1260 {3}	17.85	21.92	148	258	2.688	4.771 #
Total Aroclor-1260			584	464	14.314	10.754
Average Aroclor-1260					4.771	3.585
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 175/350

192

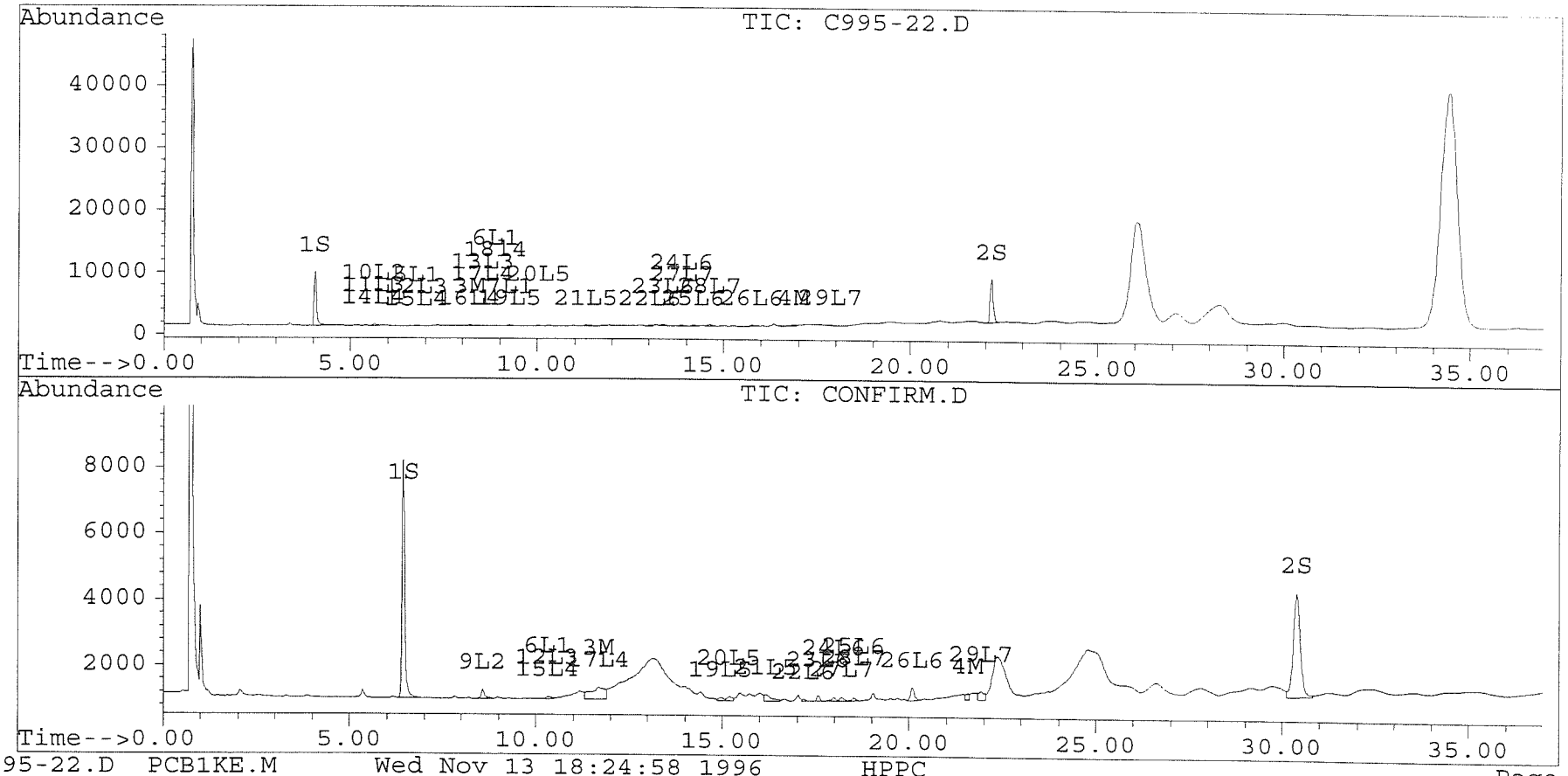
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22.D Vial: 12
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22.D\CONFIRM.D
Acq On : 13 Nov 96 05:44 PM Operator: JS
Sample : VHB / PD1 Inst : ECD1
Misc : 15.1G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 18:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0042.D Vial: 21
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0042.D\CONFIRM.D
Acq On : 25 Nov 96 05:40 AM Operator: JS
Sample : 8080,C995-22MS,2X,PD1MS Inst : SB2
Misc : VHB/15.2G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	5367	4419	21.528m	22.631
					Recovery	=	53.82%	56.58%
2)	S	Decachlorobiphenyl	22.15	30.37	4068	2014	19.996m	20.737
					Recovery	=	49.99%	51.84%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.16	11.66	58621	53950	542.493m	557.392
4)	M	2,2',3,3',4,4'-Hexa	16.85	21.55	99647	91407	532.868m	540.752
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	0.00	10.32	0	50	N.D.	1.771 #
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			0	50	N.D.	1.771
		Average Aroclor-1016					0.000	1.771
8)	L2	Aroclor-1221	0.00	8.01	0	87	N.D.	14.189 #
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	191	N.D.	39.097 #
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			0	277	N.D.	53.286
		Average Aroclor-1221					0.000	26.643
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	0.00	10.32	0	50	N.D.	4.155 #
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	50	N.D.	4.155
		Average Aroclor-1232					0.000	4.155
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	0.00	10.32	0	50	N.D.	1.345 #
16)	L4	Aroclor-1242 {3}	0.00	11.36	0	40	N.D.	2.532 #
17)	L4	Aroclor-1242 (4)	0.00	11.66	0	53950	N.D.	1068.049 #
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1242			0	54040	N.D.	1071.926
		Average Aroclor-1242					0.000	357.309
19)	L5	Aroclor-1248	0.00	14.96	0	91	N.D.	4.537 #
20)	L5	Aroclor-1248 {2}	0.00	15.17	0	133	N.D.	6.463 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0042.D Vial: 21
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0042.D\CONFIRM.D
Acq On : 25 Nov 96 05:40 AM Operator: JS
Sample : 8080,C995-22MS,2X,PD1MS Inst : SB2
Misc : VHB/15.2G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
21) L5 Aroclor-1248 {3}	0.00	16.16	0	197	N.D.	12.704	#
Total Aroclor-1248			0	421	N.D.	23.704	
Average Aroclor-1248					0.000	7.901	
22) L6 Aroclor-1254	0.00	17.17	0	58	N.D.	1.864	#
23) L6 Aroclor-1254 {2}	0.00	17.55	0	237	N.D.	3.433	#
24) L6 Aroclor-1254 {3}	0.00	17.98	0	119	N.D.	2.729	#
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.	
26) L6 Aroclor-1254 (5)	0.00	20.07	0	434	N.D.	9.907	#
Total Aroclor-1254			0	849	N.D.	17.934	
Average Aroclor-1254					0.000	4.483	
27) L7 Aroclor-1260	0.00	18.18	0	95	N.D.	2.931	#
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.	
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total Aroclor-1260			0	95	N.D.	2.931	
Average Aroclor-1260					0.000	2.931	
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.	
31) L8 Aroclor-1268 {2}	0.00	23.55	0	168	N.D.	NoCal	
32) L8 Aroclor-1268 {3}	0.00	28.13	0	134	N.D.	NoCal	
Total Aroclor-1268			0	0	N.D.	N.D.	
Average Aroclor-1268					0.000	0.000	

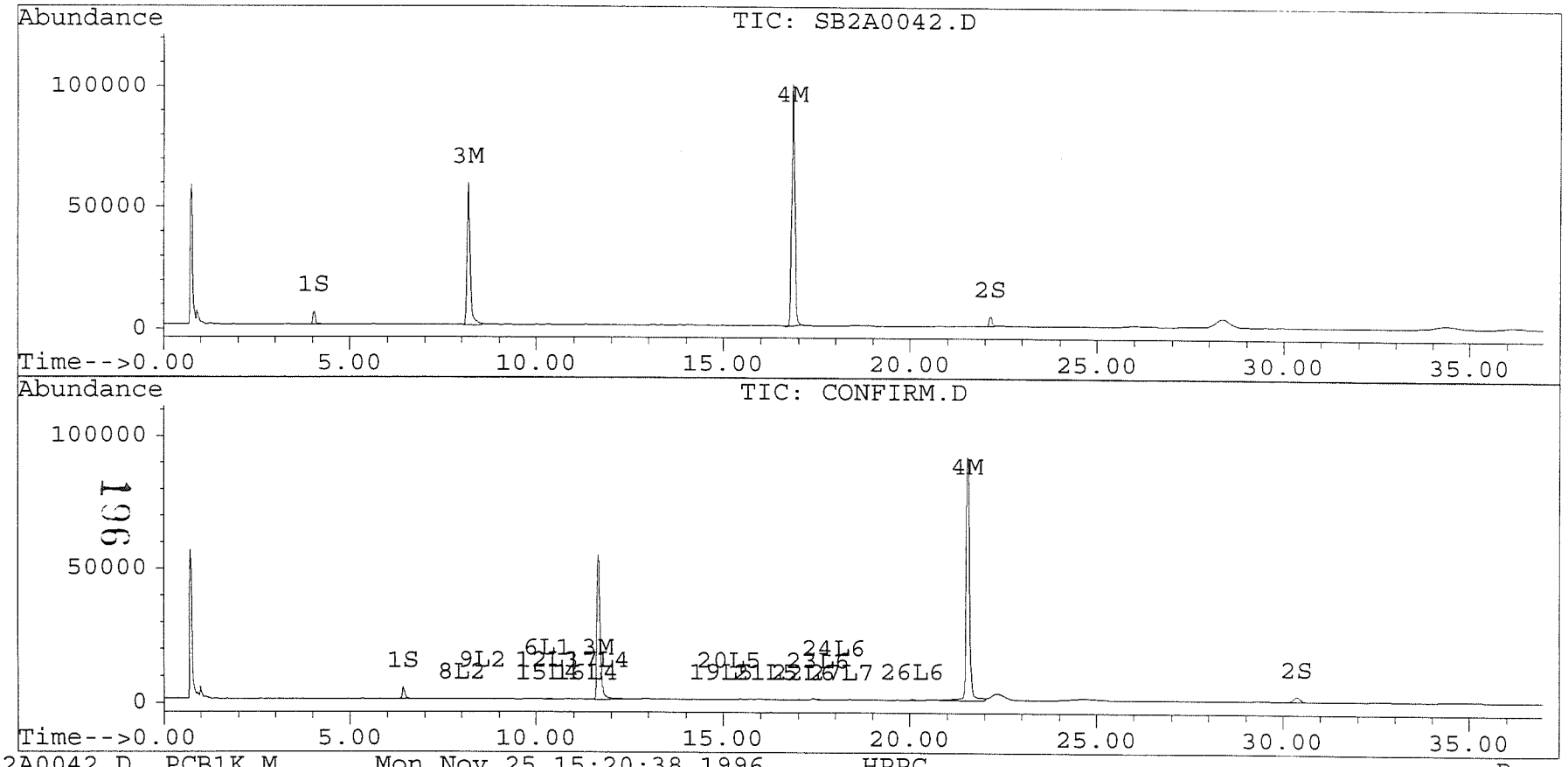
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0042.D Vial: 21
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0042.D\CONFIRM.D
Acq On : 25 Nov 96 05:40 AM Operator: JS
Sample : 8080,C995-22MS,2X,PD1MS Inst : SB2
Misc : VHB/15.2G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0043.D Vial: 22
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0043.D\CONFIRM.D
Acq On : 25 Nov 96 06:21 AM Operator: JS
Sample : 8080,C995-22MSD,2X,PD1MSD Inst : SB2
Misc : VHB/15.4G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1)	S Tetrachloro-m-xylen	4.04	6.43	4444	3692	17.827m	18.908
				Recovery	=	44.57%	47.27%
2)	S Decachlorobiphenyl	22.15	30.36	3471	1717	17.058m	17.679
				Recovery	=	42.65%	44.20%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.16	11.66	50313	45963	465.602m	474.870
4)	M 2,2',3,3',4,4'-Hexa	16.85	21.55	83633	74876	447.236m	442.957
5)	L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1 Aroclor-1016 {2}	0.00	10.32	0	42	N.D.	1.485 #
7)	L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1016			0	42	N.D.	1.485
	Average Aroclor-1016					0.000	1.485
8)	L2 Aroclor-1221	0.00	8.01	0	95	N.D.	15.507 #
9)	L2 Aroclor-1221 {2}	0.00	8.56	0	138	N.D.	28.212 #
10)	L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			0	232	N.D.	43.719
	Average Aroclor-1221					0.000	21.860
11)	L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3 Aroclor-1232 {2}	0.00	10.32	0	42	N.D.	3.482 #
13)	L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1232			0	42	N.D.	3.482
	Average Aroclor-1232					0.000	3.482
14)	L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4 Aroclor-1242 {2}	0.00	10.32	0	42	N.D.	1.127 #
16)	L4 Aroclor-1242 {3}	0.00	11.36	0	26	N.D.	1.639 #
17)	L4 Aroclor-1242 (4)	0.00	11.66	0	45963	N.D.	909.924 #
18)	L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1242			0	46031	N.D.	912.691
	Average Aroclor-1242					0.000	304.230
19)	L5 Aroclor-1248	0.00	14.95	0	46	N.D.	2.279 #
20)	L5 Aroclor-1248 {2}	0.00	15.17	0	66	N.D.	3.219 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0043.D Vial: 22
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0043.D\CONFIRM.D
Acq On : 25 Nov 96 06:21 AM Operator: JS
Sample : 8080,C995-22MSD,2X,PD1MSD Inst : SB2
Misc : VHB/15.4G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

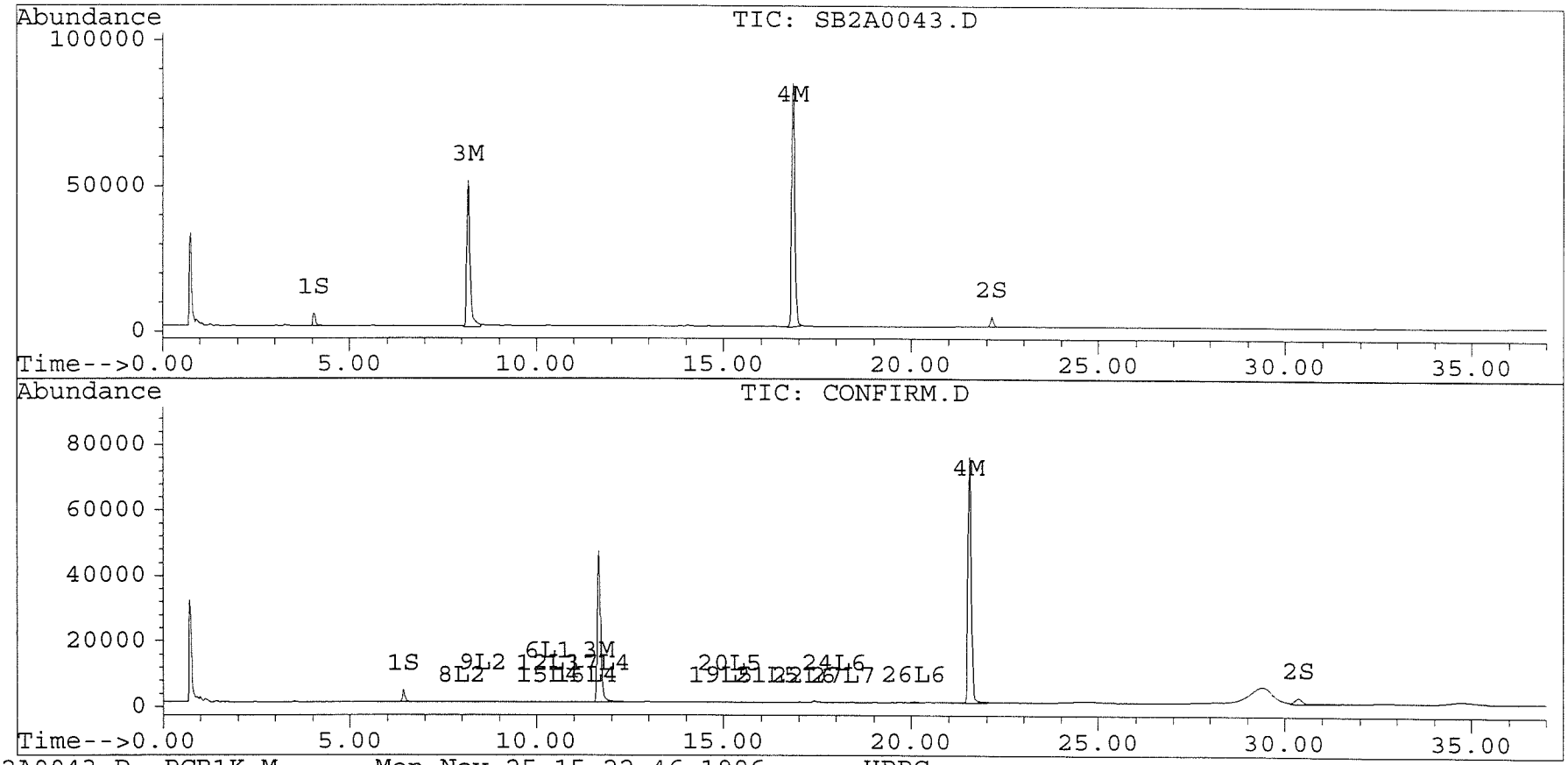
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	50	N.D.	3.230 #
Total Aroclor-1248			0	162	N.D.	8.729
Average Aroclor-1248					0.000	2.910
22) L6 Aroclor-1254	0.00	17.16	0	47	N.D.	1.497 #
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	17.97	0	61	N.D.	1.400 #
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	0.00	20.07	0	263	N.D.	5.998 #
Total Aroclor-1254			0	371	N.D.	8.896
Average Aroclor-1254					0.000	2.965
27) L7 Aroclor-1260	0.00	18.18	0	54	N.D.	1.677 #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	54	N.D.	1.677
Average Aroclor-1260					0.000	1.677
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0043.D Vial: 22
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0043.D\CONFIRM.D
Acq On : 25 Nov 96 06:21 AM Operator: JS
Sample : 8080,C995-22MSD,2X,PD1MSD Inst : SB2
Misc : VHB/15.4G/25ML/95% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22M.D Vial: 13
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22M.D\CONFIRM.D
Acq On : 13 Nov 96 06:25 PM Operator: JS
Sample : VHB / PD1 MS Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:04 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	7079	5612	28.397	28.737
					Recovery	=	70.99%	71.84%
2)	S	Decachlorobiphenyl	22.16	30.39	5407	2440	26.577	25.118
					Recovery	=	66.44%	62.80%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.67	73628	67521	681.371	697.605
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	118601	107695	634.226	637.110
5)	L1	Aroclor-1016	6.77	0.00	70	0	2.177	N.D. #
6)	L1	Aroclor-1016 {2}	8.88	10.33	181	46	10.668	1.638 #
7)	L1	Aroclor-1016 {3}	9.26	0.00	185	0	7.166	N.D. #
		Total Aroclor-1016			436	46	20.010	1.638
		Average Aroclor-1016					6.670	1.638
8)	L2	Aroclor-1221	5.04	8.02	103	112	14.688	18.390 #
9)	L2	Aroclor-1221 {2}	0.00	8.57	0	180	N.D.	36.885 #
10)	L2	Aroclor-1221 {3}	5.63	0.00	260	0	12.883	N.D. #
		Total Aroclor-1221			363	292	27.571	55.275
		Average Aroclor-1221					13.786	27.638
11)	L3	Aroclor-1232	5.63	0.00	260	0	14.272	N.D. #
12)	L3	Aroclor-1232 {2}	6.77	10.33	70	46	5.110	3.842
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			330	46	19.381	3.842
		Average Aroclor-1232					9.691	3.842
14)	L4	Aroclor-1242	5.63	0.00	260	0	10.948	N.D. #
15)	L4	Aroclor-1242 {2}	6.77	10.33	70	46	1.647	1.244
16)	L4	Aroclor-1242 {3}	8.17	11.37	73628	36	1140.980	2.273 #
17)	L4	Aroclor-1242 (4)	0.00	11.67	0	67521	N.D.	1336.717 #
18)	L4	Aroclor-1242 (5)	8.88	0.00	181	0	8.171	N.D. #
		Total Aroclor-1242			74140	67603	1161.746	1340.234
		Average Aroclor-1242					290.436	446.745
19)	L5	Aroclor-1248	9.26	14.97	185	59	6.561	2.928 #
20)	L5	Aroclor-1248 {2}	10.03	15.18	119	92	5.058	4.483

200

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22M.D Vial: 13
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22M.D\CONFIRM.D
Acq On : 13 Nov 96 06:25 PM Operator: JS
Sample : VHB / PD1 MS Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:04 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.19	134	69	4.413	4.429
Total Aroclor-1248			438	220	16.032	11.841
Average Aroclor-1248					5.344	3.947
22) L6 Aroclor-1254	0.00	17.17	0	193	N.D.	6.162 #
23) L6 Aroclor-1254 {2}	13.37	0.00	175	0	2.425	N.D. #
24) L6 Aroclor-1254 {3}	13.85	17.98	452	109	13.461	2.509 #
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	15.76	20.09f	131	478	2.429	10.902 #
Total Aroclor-1254			758	780	18.315	19.572
Average Aroclor-1254					6.105	6.524
27) L7 Aroclor-1260	13.85	18.19	452	94	13.070	2.909 #
28) L7 Aroclor-1260 {2}	14.62	0.00	169	0	4.266	N.D. #
29) L7 Aroclor-1260 {3}	17.85	0.00	121	0	2.194	N.D. #
Total Aroclor-1260			743	94	19.531	2.909
Average Aroclor-1260					6.510	2.909
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	18.97f	0.00	101	0	NoCal	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	199	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

201

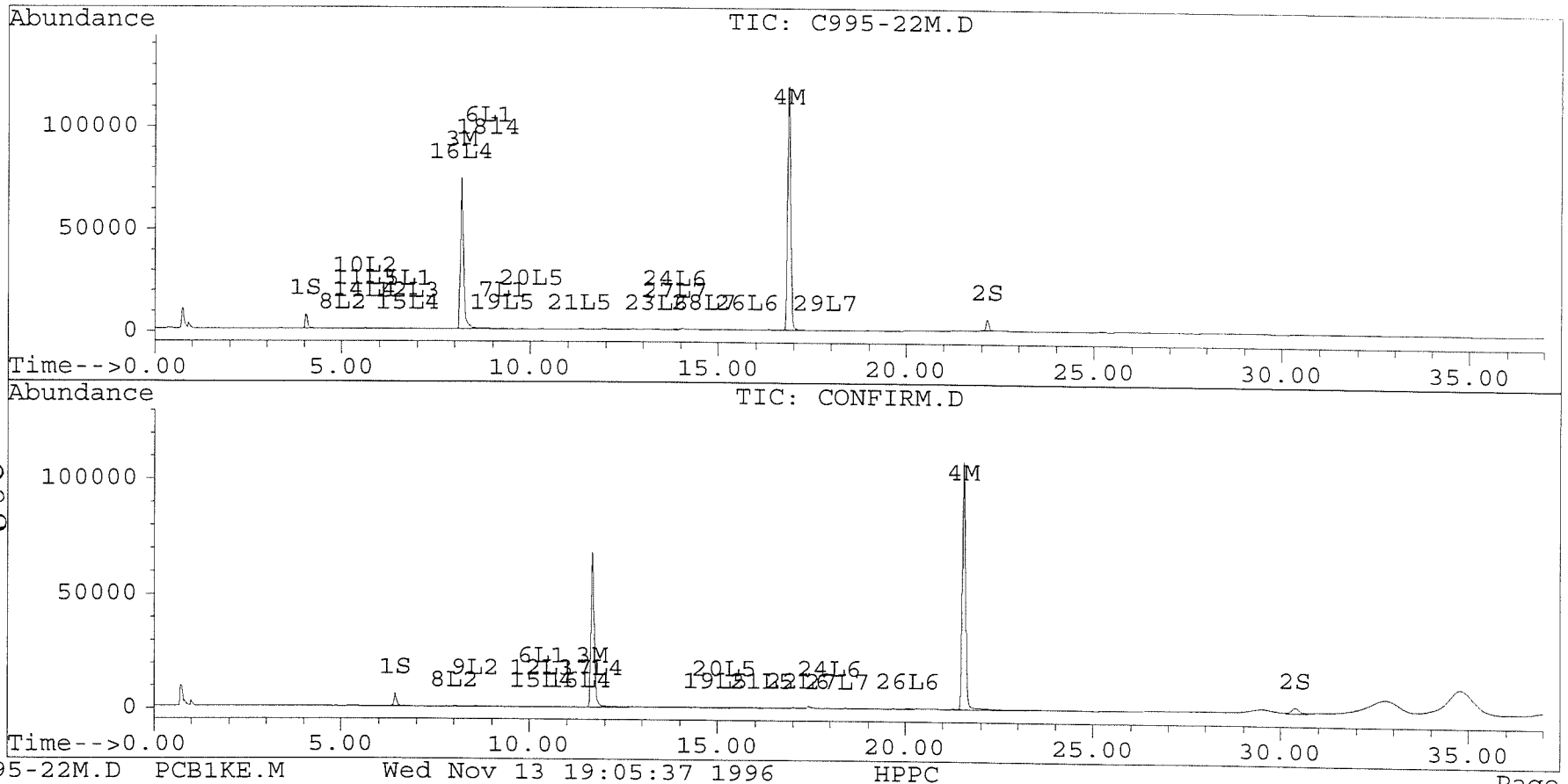
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22M.D Vial: 13
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22M.D\CONFIRM.D
Acq On : 13 Nov 96 06:25 PM Operator: JS
Sample : VHB / PD1 MS Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:04 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



202

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22D.D Vial: 14
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22D.D\CONFIRM.D
Acq On : 13 Nov 96 07:05 PM Operator: JS
Sample : VHB / PD1 MSD Inst : ECD1
Misc : 15.4G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.05	6.44	7454	6292	29.904	32.223
					Recovery	=	74.76%	80.56%
2)	S	Decachlorobiphenyl	22.16	30.39	5775	2764	28.386	28.456
					Recovery	=	70.97%	71.14%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.67	82586	75138	764.268	776.301
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	133749	121322	715.231	717.729
5)	L1	Aroclor-1016	6.77	0.00	76	0	2.388	N.D. #
6)	L1	Aroclor-1016 {2}	8.88	10.33	190	154	11.148	5.458 #
7)	L1	Aroclor-1016 {3}	9.26	0.00	255	0	9.880	N.D. #
		Total Aroclor-1016			521	154	23.416	5.458
		Average Aroclor-1016					7.805	5.458
8)	L2	Aroclor-1221	5.04	8.02	117	149	16.693	24.373 #
9)	L2	Aroclor-1221 {2}	0.00	8.57	0	299	N.D.	61.367 #
10)	L2	Aroclor-1221 {3}	5.63	8.75f	319	88	15.802	5.737 #
		Total Aroclor-1221			436	536	32.495	91.477
		Average Aroclor-1221					16.248	30.492
11)	L3	Aroclor-1232	5.63	8.75f	319	88	17.505	6.146 #
12)	L3	Aroclor-1232 {2}	6.77	10.33	76	154	5.605	12.803 #
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			396	242	23.110	18.949
		Average Aroclor-1232					11.555	9.475
14)	L4	Aroclor-1242	5.63	0.00	319	0	13.429	N.D. #
15)	L4	Aroclor-1242 {2}	6.77	10.33	76	154	1.806	4.145 #
16)	L4	Aroclor-1242 {3}	8.18	11.37	82586	87	1279.794	5.458 #
17)	L4	Aroclor-1242 (4)	0.00	11.67	0	75138	N.D.	1487.511 #
18)	L4	Aroclor-1242 (5)	8.88	0.00	190	0	8.539	N.D. #
		Total Aroclor-1242			83172	75379	1303.569	1497.114
		Average Aroclor-1242					325.892	499.038
19)	L5	Aroclor-1248	9.26	14.96	255	135	9.046	6.726 #
20)	L5	Aroclor-1248 {2}	10.03	15.18	163	164	6.945	7.944

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

C995-22D.D PCB1KE.M Wed Nov 13 19:45:00 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22D.D Vial: 14
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22D.D\CONFIRM.D
Acq On : 13 Nov 96 07:05 PM Operator: JS
Sample : VHB / PD1 MSD Inst : ECD1
Misc : 15.4G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.19	239	81	7.853	5.263 #
Total Aroclor-1248			657	380	23.844	19.933
Average Aroclor-1248					7.948	6.644
22) L6 Aroclor-1254	0.00	17.18	0	84	N.D.	2.686 #
23) L6 Aroclor-1254 {2}	13.37	17.56	300	288	4.162	4.170
24) L6 Aroclor-1254 {3}	13.85	17.99	569	146	16.922	3.349 #
25) L6 Aroclor-1254 (4)	14.19	0.00	250	0	5.344	N.D. #
26) L6 Aroclor-1254 (5)	15.76	20.09f	228	486	4.231	11.085 #
Total Aroclor-1254			1346	1004	30.659	21.289
Average Aroclor-1254					7.665	5.322
27) L7 Aroclor-1260	13.85	18.20	569	123	16.431	3.782 #
28) L7 Aroclor-1260 {2}	14.63	0.00	251	0	6.322	N.D. #
29) L7 Aroclor-1260 {3}	17.85	21.91	151	382	2.726	7.061 #
Total Aroclor-1260			970	505	25.479	10.842
Average Aroclor-1260					8.493	5.421
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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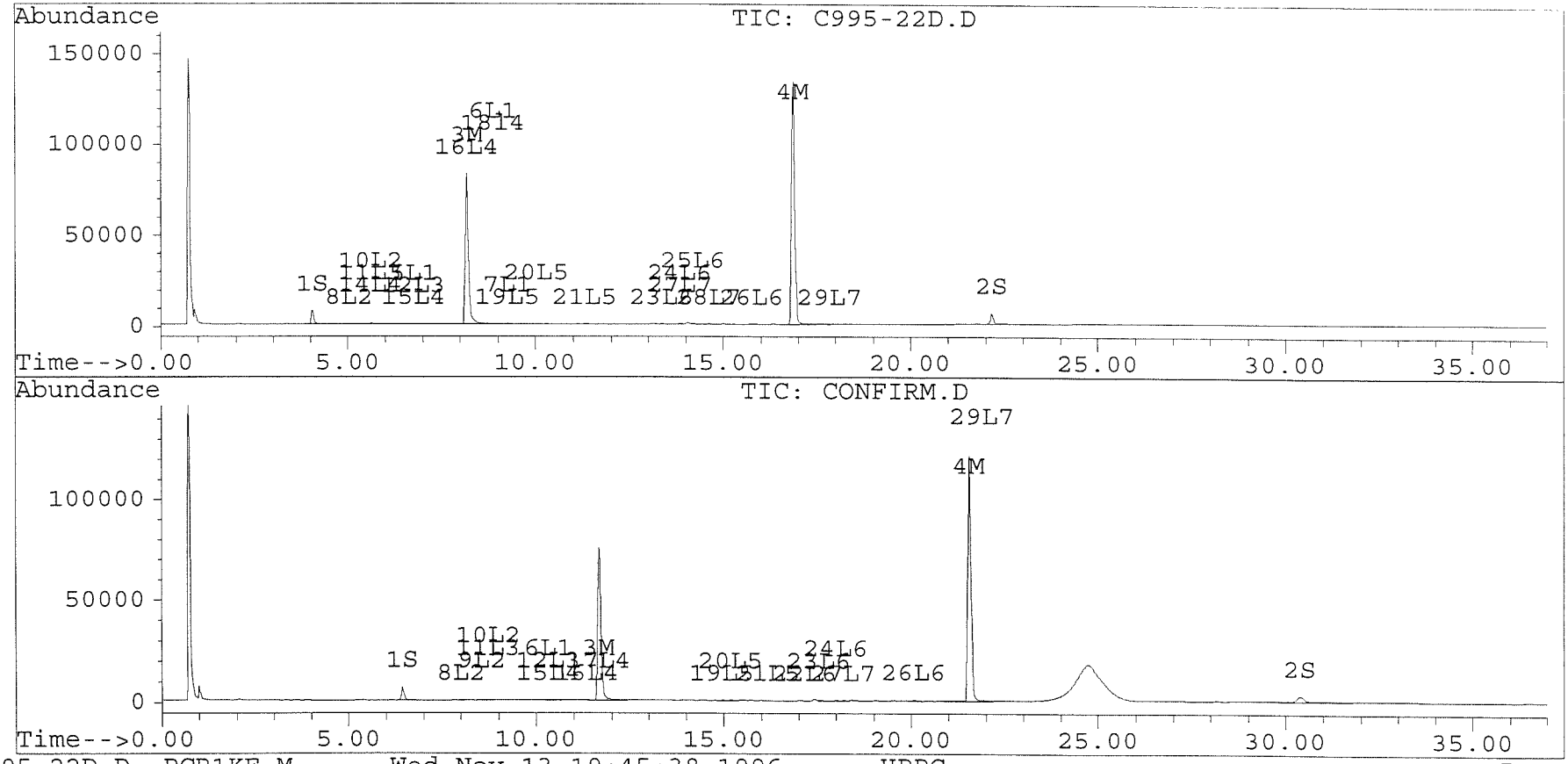
Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-22D.D Vial: 14
Signal #2 : D:\HPCHEM\5\13NOV96\C995-22D.D\CONFIRM.D
Acq On : 13 Nov 96 07:05 PM Operator: JS
Sample : VHB / PD1 MSD Inst : ECD1
Misc : 15.4G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 19:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-23.D Vial: 15
Signal #2 : D:\HPCHEM\5\13NOV96\C995-23.D\CONFIRM.D
Acq On : 13 Nov 96 07:46 PM Operator: JS
Sample : VHB / PD2 Inst : ECD1
Misc : 15.0G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 20:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.05	6.44	8418	6997	33.769	35.830
				Recovery	=	84.42%	89.57%
2) S	Decachlorobiphenyl	22.17	30.39	6505	2924	31.974	30.107
				Recovery	=	79.94%	75.27%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.19	11.68	519	345	4.799	3.567 #
4) M	2,2',3,3',4,4'-Hexa	16.88	21.58	201	221	1.072	1.307
5) L1	Aroclor-1016	6.77	0.00	152	0	4.732	N.D. #
6) L1	Aroclor-1016 {2}	8.89	10.33	204	140	11.970	4.981 #
7) L1	Aroclor-1016 {3}	9.26	12.24	781	92	30.260	5.450 #
Total	Aroclor-1016			1136	233	46.961	10.432
Average	Aroclor-1016					15.654	5.216
8) L2	Aroclor-1221	0.00	8.03	0	45	N.D.	7.283 #
9) L2	Aroclor-1221 {2}	0.00	8.57	0	509	N.D.	104.396 #
10) L2	Aroclor-1221 {3}	5.63	0.00	469	0	23.197	N.D. #
Total	Aroclor-1221			469	554	23.197	111.679
Average	Aroclor-1221					23.197	55.840
11) L3	Aroclor-1232	5.63	0.00	469	0	25.697	N.D. #
12) L3	Aroclor-1232 {2}	6.77	10.33	152	140	11.108	11.686
13) L3	Aroclor-1232 {3}	8.55	12.24	118	92	14.252	13.324
Total	Aroclor-1232			738	233	51.057	25.009
Average	Aroclor-1232					17.019	12.505
14) L4	Aroclor-1242	5.63	0.00	469	0	19.713	N.D. #
15) L4	Aroclor-1242 {2}	6.77	10.33	152	140	3.580	3.783
16) L4	Aroclor-1242 {3}	8.19	11.38	519	58	8.036	3.660 #
17) L4	Aroclor-1242 (4)	8.55	11.68	118	345	4.374	6.834 #
18) L4	Aroclor-1242 (5)	8.89	12.24	204	92	9.169	4.155 #
Total	Aroclor-1242			1460	636	44.872	18.432
Average	Aroclor-1242					8.974	4.608
19) L5	Aroclor-1248	9.26	14.97	781	190	27.705	9.472 #
20) L5	Aroclor-1248 {2}	10.03	15.18	604	261	25.702	12.667 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-23.D Vial: 15
Signal #2 : D:\HPCHEM\5\13NOV96\C995-23.D\CONFIRM.D
Acq On : 13 Nov 96 07:46 PM Operator: JS
Sample : VHB / PD2 Inst : ECD1
Misc : 15.0G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 20:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.19	561	125	18.422	8.099 #
Total	Aroclor-1248			1945	577	71.829	30.239
Average	Aroclor-1248					23.943	10.080
22) L6	Aroclor-1254	13.03	17.18	291	247	8.384	7.891
23) L6	Aroclor-1254 {2}	13.37	17.57	660	549	9.170	7.945
24) L6	Aroclor-1254 {3}	13.86	18.00	350	354	10.405	8.123
25) L6	Aroclor-1254 (4)	14.21	18.52	413	256	8.831	9.112
26) L6	Aroclor-1254 (5)	15.75	20.05	474	401	8.791	9.145
Total	Aroclor-1254			2187	1806	45.582	42.216
Average	Aroclor-1254					9.116	8.443
27) L7	Aroclor-1260	13.86	18.20	350	255	10.104	7.837
28) L7	Aroclor-1260 {2}	14.65	18.52	322	256	8.111	6.956
29) L7	Aroclor-1260 {3}	17.85	21.93	119	272	2.148	5.030 #
Total	Aroclor-1260			790	783	20.363	19.822
Average	Aroclor-1260					6.788	6.607
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	18.97f	0.00	78	0	NoCal	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.13f	0	162	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

MRL = 184/360

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

Quantitation Report

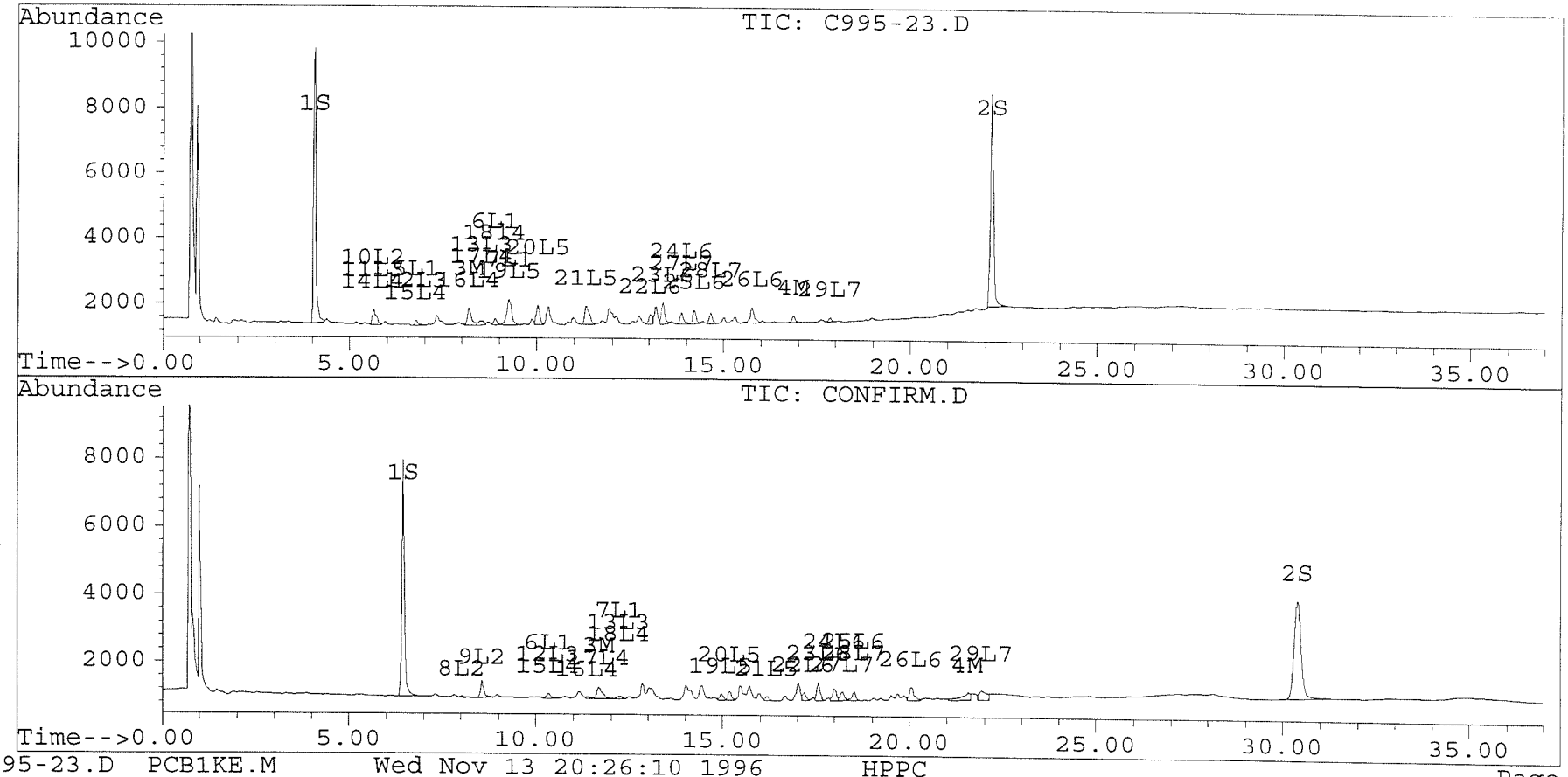
Signal #1 : D:\HPCHEM\5\13NOV96\C995-23.D
Signal #2 : D:\HPCHEM\5\13NOV96\C995-23.D\CONFIRM.D
Acq On : 13 Nov 96 07:46 PM
Sample : VHB / PD2
Misc : 15.0G/25ML 94% SOLID 8080 ANALYSIS PCB
Quant Time: Nov 13 20:25 1996

Vial: 15
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-24.D Vial: 16
Signal #2 : D:\HPCHEM\5\13NOV96\C995-24.D\CONFIRM.D
Acq On : 13 Nov 96 08:26 PM Operator: JS
Sample : VHB / PD3 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 21:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	9533	7676	38.243	39.308
					Recovery	=	95.61%	98.27%
2)	S	Decachlorobiphenyl	22.16	30.38	7084	3150	34.819	32.429
					Recovery	=	87.05%	81.07%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.67	9101	5303	84.218	54.784 #
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.57	1041	635	5.566	3.754 #
5)	L1	Aroclor-1016	6.76	0.00	2886	0	90.086	N.D. #
6)	L1	Aroclor-1016 {2}	8.88	10.32	2056	2572	120.903	91.243
7)	L1	Aroclor-1016 {3}	9.26	12.22	5861	1757	227.162	103.641 #
		Total Aroclor-1016			10804	4328	438.151	194.885
		Average Aroclor-1016					146.050	97.442
8)	L2	Aroclor-1221	0.00	8.03	0	31	N.D.	5.016 #
9)	L2	Aroclor-1221 {2}	5.48	8.57	62	199	10.586	40.818 #
10)	L2	Aroclor-1221 {3}	5.66	0.00	1004	0	49.685	N.D. #
		Total Aroclor-1221			1066	230	60.271	45.834
		Average Aroclor-1221					30.135	22.917
11)	L3	Aroclor-1232	5.66	0.00	1004	0	55.039	N.D. #
12)	L3	Aroclor-1232 {2}	6.76	10.32	2886	2572	211.487	214.046
13)	L3	Aroclor-1232 {3}	8.56	12.22	1241	1757	149.973	253.366 #
		Total Aroclor-1232			5132	4328	416.499	467.411
		Average Aroclor-1232					138.833	233.706
14)	L4	Aroclor-1242	5.66	0.00	1004	0	42.222	N.D. #
15)	L4	Aroclor-1242 {2}	6.76	10.32	2886	2572	68.158	69.296
16)	L4	Aroclor-1242 {3}	8.18	11.38	9101	1043	141.026	65.535 #
17)	L4	Aroclor-1242 (4)	8.56	11.67	1241	5303	46.030	104.974 #
18)	L4	Aroclor-1242 (5)	8.88	12.22	2056	1757	92.609	79.012
		Total Aroclor-1242			16289	10674	390.045	318.817
		Average Aroclor-1242					78.009	79.704
19)	L5	Aroclor-1248	9.26	14.96	5861	2105	207.981	104.977 #
20)	L5	Aroclor-1248 {2}	10.02	15.17	4862	2428	206.948	117.679 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-24.D Vial: 16
Signal #2 : D:\HPCHEM\5\13NOV96\C995-24.D\CONFIRM.D
Acq On : 13 Nov 96 08:26 PM Operator: JS
Sample : VHB / PD3 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 21:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	4445	1232	146.034	79.625 #
Total Aroclor-1248			15169	5765	560.963	302.282
Average Aroclor-1248					186.988	100.761
22) L6 Aroclor-1254	13.02	17.18	1913	1614	55.168	51.664
23) L6 Aroclor-1254 {2}	13.36	17.56	4288	3698	59.578	53.565
24) L6 Aroclor-1254 {3}	13.86	17.99	2099	2318	62.487	53.212
25) L6 Aroclor-1254 (4)	14.20	18.51	2562	1645	54.765	58.646
26) L6 Aroclor-1254 (5)	15.75	20.04	2987	2293	55.419	52.309
Total Aroclor-1254			13850	11569	287.417	269.396
Average Aroclor-1254					57.483	53.879
27) L7 Aroclor-1260	13.86	18.19	2099	1719	60.674	52.904
28) L7 Aroclor-1260 {2}	14.64	18.51	1928	1645	48.577	44.770
29) L7 Aroclor-1260 {3}	17.85	21.92	828	758	14.987	14.006
Total Aroclor-1260			4855	4122	124.238	111.680
Average Aroclor-1260					41.413	37.227
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	152	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use 2 peaks

$$\frac{(105+79)\times\frac{5}{2}\times 25}{15.3\times 0.92} = 816$$

AR1254=

$$\frac{269\times 25}{15.3\times 0.92} = 477$$

MRL= 180/360

210

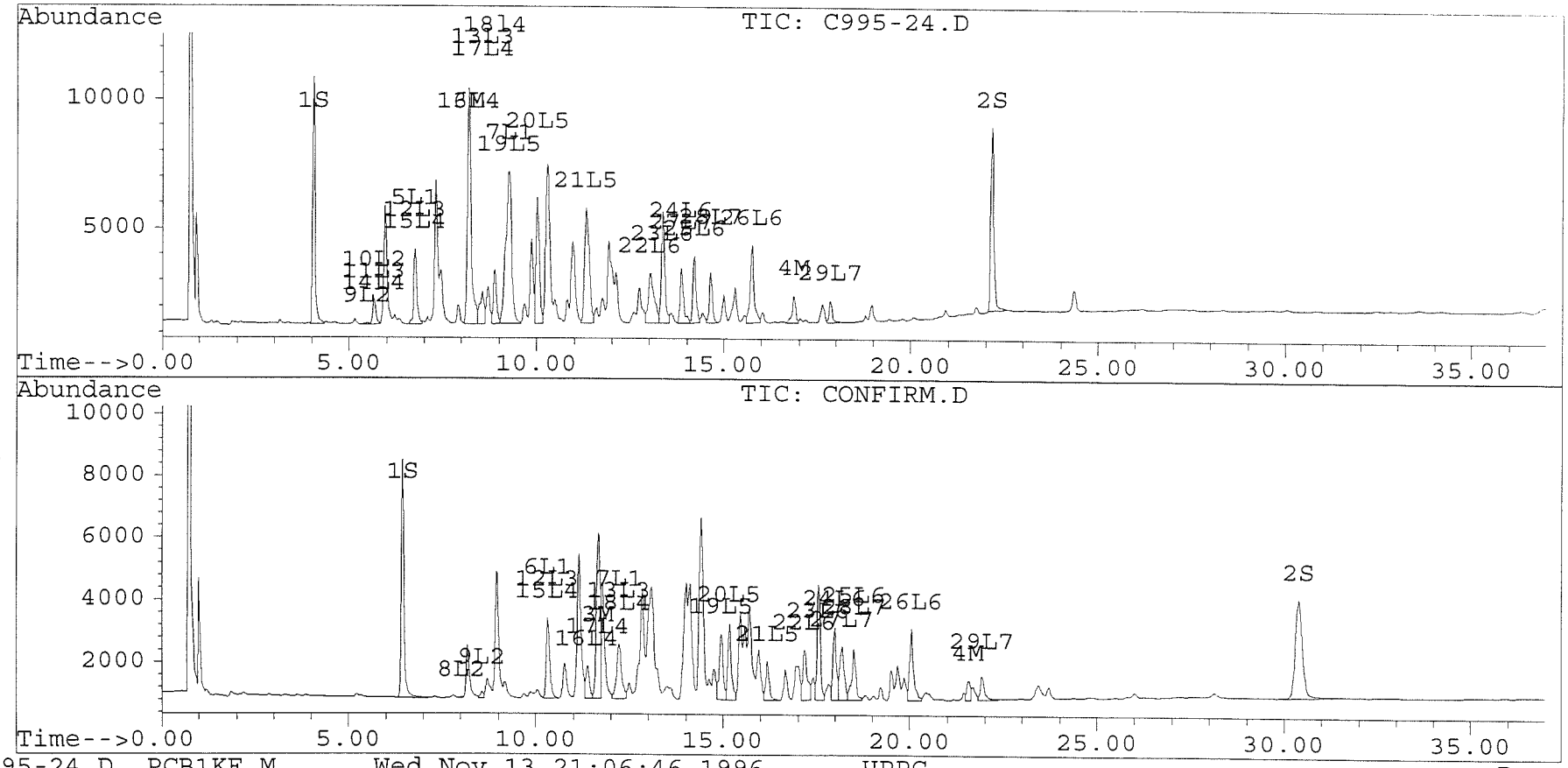
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-24.D Vial: 16
Signal #2 : D:\HPCHEM\5\13NOV96\C995-24.D\CONFIRM.D
Acq On : 13 Nov 96 08:26 PM Operator: JS
Sample : VHB / PD3 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 21:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



211

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-25.D Vial: 17
Signal #2 : D:\HPCHEM\5\13NOV96\C995-25.D\CONFIRM.D
Acq On : 14 Nov 96 02:39 AM Operator: JS
Sample : VHB / PE1 Inst : ECD1
Misc : 15.2G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 3:18 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	8813	7214	35.353	36.941	
				Recovery	=	88.38% ✓	92.35%	
2) S	Decachlorobiphenyl	22.16	30.38	7124	3168	35.018	32.620	
				Recovery	=	87.55% ✓	81.55%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	13218	9429	122.322	97.417	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	2120	1378	11.335	8.150	#
5) L1	Aroclor-1016	6.76	8.80	2525	450	78.819	35.342	#
6) L1	Aroclor-1016 {2}	8.88	10.32	4083	2359	240.058	83.702	#
7) L1	Aroclor-1016 {3}	9.26	12.24	8870	1599	343.766	94.315	#
Total	Aroclor-1016			15478	4408	662.644	213.359	
Average	Aroclor-1016					220.881	71.120	
8) L2	Aroclor-1221	5.05	8.02	48	187	6.808	30.573	#
9) L2	Aroclor-1221 {2}	5.47	8.56	113	984	19.368	201.737	#
10) L2	Aroclor-1221 {3}	5.63	8.80	1579	450	78.127	29.307	#
Total	Aroclor-1221			1739	1621	104.303	261.617	
Average	Aroclor-1221					34.768	87.206	
11) L3	Aroclor-1232	5.63	8.80	1579	450	86.545	31.396	#
12) L3	Aroclor-1232 {2}	6.76	10.32	2525	2359	185.037	196.355	
13) L3	Aroclor-1232 {3}	8.55	12.24	1902	1599	229.723	230.565	
Total	Aroclor-1232			6005	4408	501.306	458.315	
Average	Aroclor-1232					167.102	152.772	
14) L4	Aroclor-1242	5.63	8.80	1579	450	66.392	23.769	#
15) L4	Aroclor-1242 {2}	6.76	10.32	2525	2359	59.634	63.569	
16) L4	Aroclor-1242 {3}	8.17	11.37	13218	1174	204.833	73.729	#
17) L4	Aroclor-1242 (4)	8.55	11.66	1902	9429	70.507	186.665	#
18) L4	Aroclor-1242 (5)	8.88	12.24	4083	1599	183.879	71.902	#
Total	Aroclor-1242			23307	15010	585.245	419.634	
Average	Aroclor-1242					117.049	83.927	
19) L5	Aroclor-1248	9.26	14.95	8870	4775	314.740	238.119	
20) L5	Aroclor-1248 {2}	10.01	15.17	7914	5226	336.838	253.290	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-25.D Vial: 17
Signal #2 : D:\HPCHEM\5\13NOV96\C995-25.D\CONFIRM.D
Acq On : 14 Nov 96 02:39 AM Operator: JS
Sample : VHB / PE1 Inst : ECD1
Misc : 15.2G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 3:18 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	9168	3331	301.194	215.232 #
Total	Aroclor-1248			25952	13331	952.772	706.641
Average	Aroclor-1248					317.591	235.547
22) L6	Aroclor-1254	13.02	17.17	3967	3420	114.387	109.443
23) L6	Aroclor-1254 {2}	13.36	17.56	8770	8032	121.856	116.338
24) L6	Aroclor-1254 {3}	13.85	17.99	4379	4936	130.330	113.298
25) L6	Aroclor-1254 (4)	14.20	18.51	5358	3469	114.531	123.677
26) L6	Aroclor-1254 (5)	15.74	20.04	6423	5189	119.153	118.355
Total	Aroclor-1254			28896	25047	600.258	581.111
Average	Aroclor-1254					120.052	116.222
27) L7	Aroclor-1260	13.85	18.19	4379	3106	126.549	95.599
28) L7	Aroclor-1260 {2}	14.63	18.51	4244	3469	106.950	94.415
29) L7	Aroclor-1260 {3}	17.84	21.92	1608	1465	29.119	27.053
Total	Aroclor-1260			10231	8040	262.618	217.067
Average	Aroclor-1260					87.539	72.356
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.14f	0	180	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 Use only 2 peaks

$$\frac{(205 + 184) \times \frac{5}{2} \times 25\,mL}{15.2\,g \times 0.94} = 1700$$

AR1254 =

$$\frac{581 \times 25\,mL}{15.2\,g \times 0.94} = 1020$$

MRL = 180/350

213

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

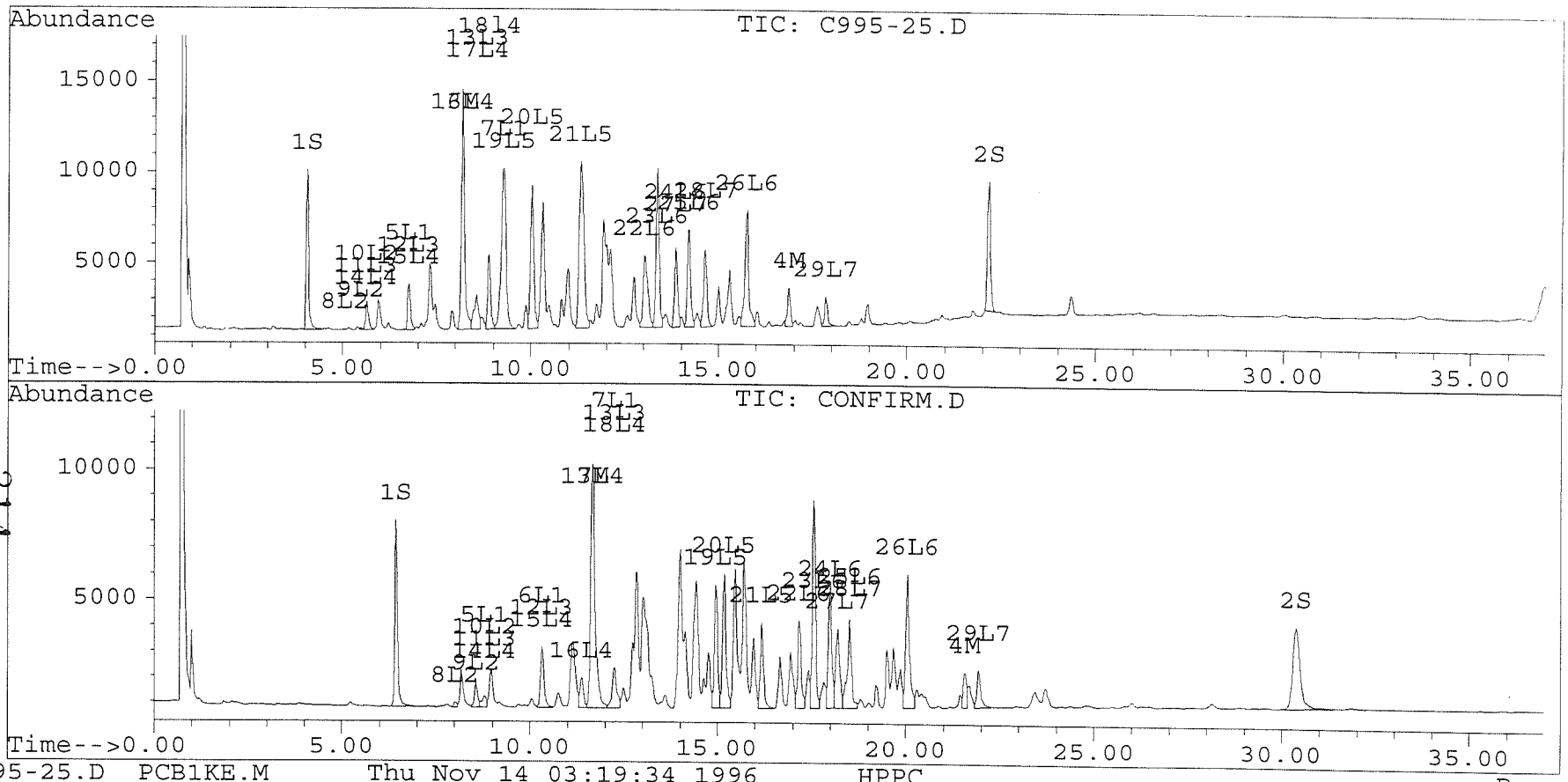
Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-25.D
Signal #2 : D:\HPCHEM\5\13NOV96\C995-25.D\CONFIRM.D
Acq On : 14 Nov 96 02:39 AM
Sample : VHB / PE1
Misc : 15.2G/25ML 94% SOLID 8080 ANALYSIS PCB
Quant Time: Nov 14 3:18 1996

Vial: 17
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM
Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



214

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-26.D Vial: 18
Signal #2 : D:\HPCHEM\5\13NOV96\C995-26.D\CONFIRM.D
Acq On : 14 Nov 96 03:20 AM Operator: JS
Sample : VHB / PE2 Inst : ECD1
Misc : 15.2G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 3:59 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	9212	7658	36.955	39.219
					Recovery	=	92.39% ✓	98.05%
2)	S	Decachlorobiphenyl	22.16	30.38	7380	3270	36.274	33.666
					Recovery	=	90.69% ✓	84.16%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.66	36396	25077	336.816	259.082
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	3425	1668	18.317	9.870 #
5)	L1	Aroclor-1016	6.76	0.00	6842	0	213.546	N.D. #
6)	L1	Aroclor-1016 {2}	8.88	10.32	9923	5891	583.422	209.039 #
7)	L1	Aroclor-1016 {3}	9.27	12.22	18392	5148	712.801	303.699 #
		Total Aroclor-1016			35157	11040	1509.769	512.738
		Average Aroclor-1016					503.256	256.369
8)	L2	Aroclor-1221	5.05	8.02	89	419	12.683	68.548 #
9)	L2	Aroclor-1221 {2}	5.47	8.57	248	557	42.512	114.245 #
10)	L2	Aroclor-1221 {3}	5.65	0.00	3886	0	192.336	N.D. #
		Total Aroclor-1221			4223	976	247.532	182.793
		Average Aroclor-1221					82.511	91.397
11)	L3	Aroclor-1232	5.65	0.00	3886	0	213.062	N.D. #
12)	L3	Aroclor-1232 {2}	6.76	10.32	6842	5891	501.322	490.380
13)	L3	Aroclor-1232 {3}	8.55	12.22	4436	5148	535.933	742.434 #
		Total Aroclor-1232			15164	11040	1250.317	1232.814
		Average Aroclor-1232					416.772	616.407
14)	L4	Aroclor-1242	5.65	0.00	3886	0	163.447	N.D. #
15)	L4	Aroclor-1242 {2}	6.76	10.32	6842	5891	161.566	158.758
16)	L4	Aroclor-1242 {3}	8.18	11.37	36396	3098	564.010	194.632 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	4436	25077	164.489	496.441 #
18)	L4	Aroclor-1242 (5)	8.88	12.22	9923	5148	446.888	231.528 #
		Total Aroclor-1242			61484	39214	1500.400	1081.360
		Average Aroclor-1242					300.080	270.340
19)	L5	Aroclor-1248	9.27	14.95	18392	11049	652.614	551.038
20)	L5	Aroclor-1248 {2}	10.02	15.17	17475	13457	743.758	652.281

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

015

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-26.D Vial: 18
Signal #2 : D:\HPCHEM\5\13NOV96\C995-26.D\CONFIRM.D
Acq On : 14 Nov 96 03:20 AM Operator: JS
Sample : VHB / PE2 Inst : ECD1
Misc : 15.2G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 3:59 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.34	16.18	18348	9387	602.766	606.581
Total Aroclor-1248			54214	33893	1999.138	1809.900
Average Aroclor-1248					666.379	603.300
22) L6 Aroclor-1254	13.02	17.17	5597	4874	161.418	155.985
23) L6 Aroclor-1254 {2}	13.36	17.56	12112	10689	168.293	154.816
24) L6 Aroclor-1254 {3}	13.85	17.99	6577	6605	195.742	151.607
25) L6 Aroclor-1254 (4)	14.20	18.51	7204	4858	153.994	173.183
26) L6 Aroclor-1254 (5)	15.75	20.04	7877	6314	146.131	144.029
Total Aroclor-1254			39367	33341	825.579	779.620
Average Aroclor-1254					165.116	155.924
27) L7 Aroclor-1260	13.85	18.18	6577	5031	190.063	154.859
28) L7 Aroclor-1260 {2}	14.64	18.51	5466	4858	137.751	132.208
29) L7 Aroclor-1260 {3}	17.84	21.92	3610	3313	65.366	61.194
Total Aroclor-1260			15653	13203	393.180	348.260
Average Aroclor-1260					131.060	116.087
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	403	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 Use only 2 peak

$$\frac{(564 + 446) \times \frac{5}{2} \times 25\,mL}{15.2\,g \times 0.92} = 4510$$

$$AR\ 1254 = \frac{779.6 \times 25\,mL}{15.2\,g \times 0.92} = 1390$$

216

180/360

KC

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-27.D Vial: 19
Signal #2 : D:\HPCHEM\5\13NOV96\C995-27.D\CONFIRM.D
Acq On : 14 Nov 96 04:01 AM Operator: JS
Sample : VHB / PE3 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 4:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	9035	7186	36.243	36.800	
				Recovery	=	90.61% ✓	92.00%	
2) S	Decachlorobiphenyl	22.16	30.38	6825	3059	33.548 ✓	31.490	
				Recovery	=	83.87%	78.72%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.18	11.66	4079	2502	37.751	25.846	#
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	736	502	3.935	2.972	
5) L1	Aroclor-1016	6.76	8.79	1221	239	38.108	18.811	#
6) L1	Aroclor-1016 {2}	8.88	10.32	991	1077	58.274	38.222	#
7) L1	Aroclor-1016 {3}	9.25	12.23	3328	801	128.964	47.267	#
Total	Aroclor-1016			5540	2118	225.346	104.299	
Average	Aroclor-1016					75.115	34.766	
8) L2	Aroclor-1221	5.05	8.02	27	455	3.922	74.379	#
9) L2	Aroclor-1221 {2}	0.00	8.56	0	591	N.D.	121.131	#
10) L2	Aroclor-1221 {3}	5.63	8.79	1006	239	49.792	15.598	#
Total	Aroclor-1221			1034	1285	53.714	211.109	
Average	Aroclor-1221					26.857	70.370	
11) L3	Aroclor-1232	5.63	8.79	1006	239	55.158	16.711	#
12) L3	Aroclor-1232 {2}	6.76	10.32	1221	1077	89.462	89.664	
13) L3	Aroclor-1232 {3}	8.55	12.23	645	801	77.882	115.549	#
Total	Aroclor-1232			2872	2118	222.501	221.924	
Average	Aroclor-1232					74.167	73.975	
14) L4	Aroclor-1242	5.63	8.79	1006	239	42.313	12.651	#
15) L4	Aroclor-1242 {2}	6.76	10.32	1221	1077	28.832	29.028	
16) L4	Aroclor-1242 {3}	8.18	11.38	4079	433	63.216	27.222	#
17) L4	Aroclor-1242 (4)	8.55	11.66	645	2502	23.904	49.525	#
18) L4	Aroclor-1242 (5)	8.88	12.23	991	801	44.636	36.034	
Total	Aroclor-1242			7942	5053	202.901	154.460	
Average	Aroclor-1242					40.580	30.892	
19) L5	Aroclor-1248	9.25	14.96	3328	1225	118.075	61.102	#
20) L5	Aroclor-1248 {2}	10.01	15.17	2577	1328	109.679	64.356	#

Use 1:1 ratio

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-27.D Vial: 19
Signal #2 : D:\HPCHEM\5\13NOV96\C995-27.D\CONFIRM.D
Acq On : 14 Nov 96 04:01 AM Operator: JS
Sample : VHB / PE3 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 4:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.30	16.18	3047	692	100.098	44.705 #
Total Aroclor-1248			8951	3245	327.852	170.163
Average Aroclor-1248					109.284	56.721
22) L6 Aroclor-1254	13.02	17.17	1448	1237	41.771	39.585
23) L6 Aroclor-1254 {2}	13.36	17.56	3327	2920	46.227	42.299
24) L6 Aroclor-1254 {3}	13.85	17.99	1600	1719	47.630	39.462
25) L6 Aroclor-1254 (4)	14.20	18.51	1919	1255	41.015	44.748
26) L6 Aroclor-1254 (5)	15.74	20.04	2299	1825	42.649	41.634
Total Aroclor-1254			10593	8957	219.292	207.728
Average Aroclor-1254					43.858	41.546
27) L7 Aroclor-1260	13.85	18.19	1600	1260	46.248	38.788
28) L7 Aroclor-1260 {2}	14.64	18.51	1484	1255	37.395	34.161
29) L7 Aroclor-1260 {3}	17.84	21.92	535	456	9.678	8.427
Total Aroclor-1260			3619	2972	93.321	81.375
Average Aroclor-1260					31.107	27.125
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	101	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

use 2 peaks

$$\frac{(63+45)\times\frac{5}{2}\times 25}{15.5\text{g}\times 0.94} = 460$$

AR 1254 = $\frac{207.7\times 25}{15.5\times 0.94} = 360$

170/340

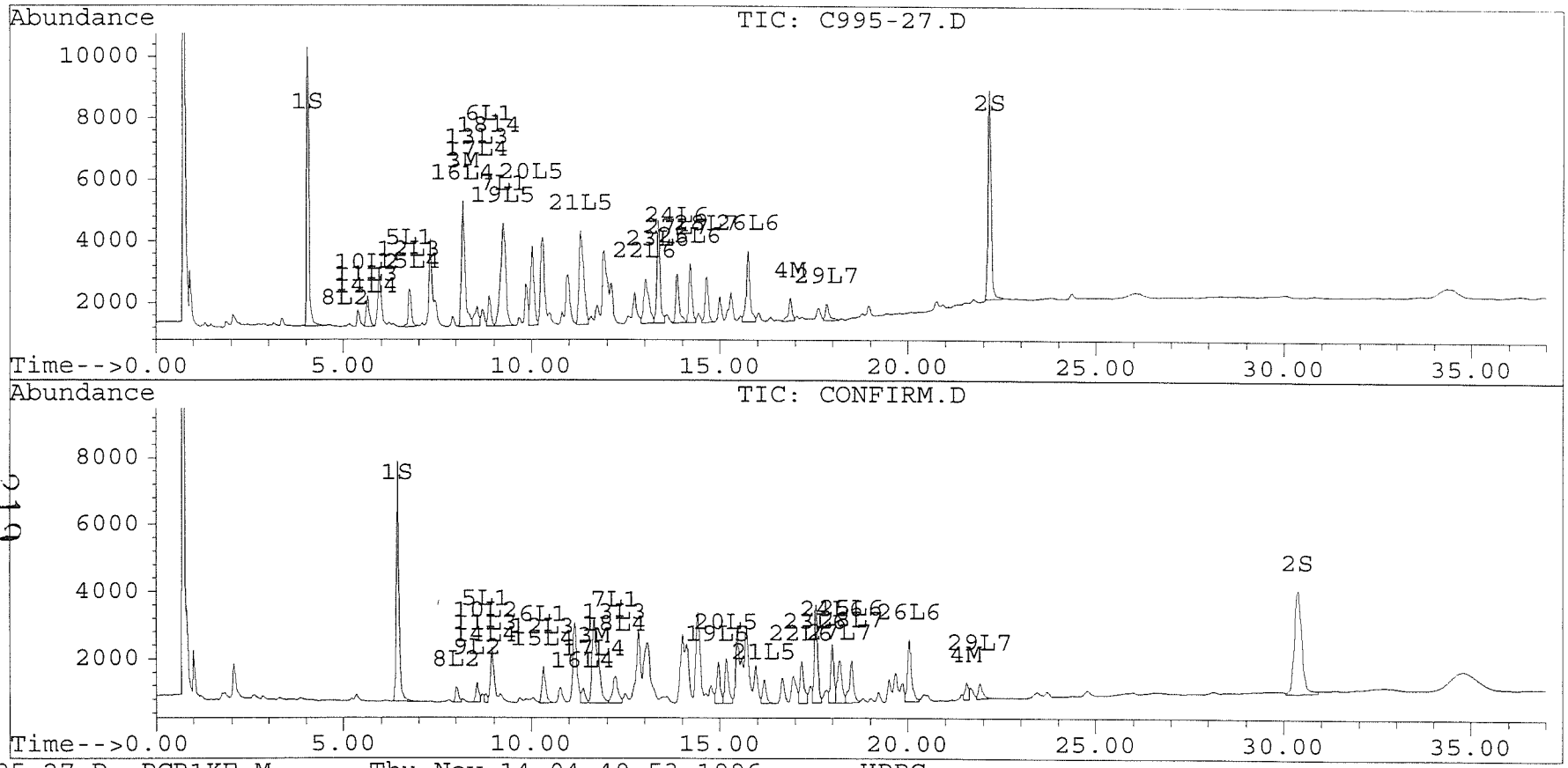
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-27.D Vial: 19
Signal #2 : D:\HPCHEM\5\13NOV96\C995-27.D\CONFIRM.D
Acq On : 14 Nov 96 04:01 AM Operator: JS
Sample : VHB / PE3 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 4:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



219

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-28A.D Vial: 38
Signal #2 : D:\HPCHEM\5\13NOV96\C995-28A.D\CONFIRM.D
Acq On : 14 Nov 96 04:19 PM Operator: JS
Sample : VHB / PF1 3X DILUTION Inst : ECD1
Misc : 15.5G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 16:58 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	3177	3026	12.744	15.499
				Recovery	=	31.86% 96%	38.75%
2) S	Decachlorobiphenyl	22.16	30.39	2687	1358	13.206	13.983
				Recovery	=	33.02% 99%	34.96%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	82596	59771	764.362	617.529
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	8621	5422	46.100	32.077 #
5) L1	Aroclor-1016	6.75	8.79	18959	4346	591.741	341.386 #
6) L1	Aroclor-1016 {2}	8.88	10.32	27760	16276	1632.117	577.529 #
7) L1	Aroclor-1016 {3}	9.27	12.24	43071	12973	1669.258	765.294 #
Total	Aroclor-1016			89790	33595	3893.115	1684.210
Average	Aroclor-1016					1297.705	561.403
8) L2	Aroclor-1221	5.05	8.02	563	628	80.340	102.674 #
9) L2	Aroclor-1221 {2}	5.47	8.56	998	3002	171.105	615.446 #
10) L2	Aroclor-1221 {3}	5.64	8.79	10836	4346	536.280	283.085 #
Total	Aroclor-1221			12397	7976	787.724	1001.205
Average	Aroclor-1221					262.575	333.735
11) L3	Aroclor-1232	5.64	8.79	10836	4346	594.067	303.270 #
12) L3	Aroclor-1232 {2}	6.75	10.32	18959	16276	1389.175	1354.815
13) L3	Aroclor-1232 {3}	8.55	12.24	13477	12973	1628.170	1870.865
Total	Aroclor-1232			43272	33595	3611.413	3528.950
Average	Aroclor-1232					1203.804	1176.317
14) L4	Aroclor-1242	5.64	8.79	10836	4346	455.730	229.595 #
15) L4	Aroclor-1242 {2}	6.75	10.32	18959	16276	447.704	438.613
16) L4	Aroclor-1242 {3}	8.17	11.37	82596	9296	1279.952	584.017 #
17) L4	Aroclor-1242 (4)	8.55	11.66	13477	59771	499.718	1183.279 #
18) L4	Aroclor-1242 (5)	8.88	12.24	27760	12973	1250.164	583.430 #
Total	Aroclor-1242			153628	102661	3933.268	3018.934
Average	Aroclor-1242					786.654	603.787
19) L5	Aroclor-1248	9.27	14.95	43071	27454	1528.311	1369.209
20) L5	Aroclor-1248 {2}	10.02	15.17	41401	31009	1762.115	1503.006

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-28A.D Vial: 38
Signal #2 : D:\HPCHEM\5\13NOV96\C995-28A.D\CONFIRM.D
Acq On : 14 Nov 96 04:19 PM Operator: JS
Sample : VHB / PF1 3X DILUTION Inst : ECD1
Misc : 15.5G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 16:58 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	45490	22903	1494.463	1480.036
Total Aroclor-1248			129962	81366	4784.889	4352.252
Average Aroclor-1248					1594.963	1450.751
22) L6 Aroclor-1254	13.02	17.17	18195	15952	524.691	510.538
23) L6 Aroclor-1254 {2}	13.36	17.56	35515	33185	493.477	480.656
24) L6 Aroclor-1254 {3}	13.85	17.99	17502	21052	520.927	483.179
25) L6 Aroclor-1254 (4)	14.20	18.51	22589	12790	482.853	455.915
26) L6 Aroclor-1254 (5)	15.75	20.04	23998	19340	445.186	441.135
Total Aroclor-1254			117799	102319	2467.134	2371.424
Average Aroclor-1254					493.427	474.285
27) L7 Aroclor-1260	13.85	18.19	17502	11943	505.814	367.609 #
28) L7 Aroclor-1260 {2}	14.64	18.51	14063	12790	354.412	348.046
29) L7 Aroclor-1260 {3}	17.85	21.92	6913	6454	125.153	119.195
Total Aroclor-1260			38478	31186	985.379	834.850
Average Aroclor-1260					328.460	278.283
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	750	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 - Use 2pks

$\frac{2530 \times 3 \times \frac{5}{2} \times 25}{15.5 \times 0.89} = 34387$

AR 1254 =

$\frac{2371 \times 3 \times 25\ mL}{15.5\ g \times 0.89} =$

12890

221

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-28.D Vial: 20
Signal #2 : D:\HPCHEM\5\13NOV96\C995-28.D\CONFIRM.D
Acq On : 14 Nov 96 04:41 AM Operator: JS
Sample : VHB / PF1 Inst : ECD1
Misc : 15.5G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 5:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9851	8969	39.517	45.930
				Recovery	=	98.79%	114.83%
2) S	Decachlorobiphenyl	22.16	30.38	7520	3747	36.961	38.576
				Recovery	=	92.40%	96.44%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	205255	147921	1899.465	1528.271
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	24538	15932	131.218	94.250 #
5) L1	Aroclor-1016	6.75	8.79	45193	10938	1410.585	859.244 #
6) L1	Aroclor-1016 {2}	8.88	10.32	71111	38462	4180.904	1364.729
7) L1	Aroclor-1016 {3}	9.27	12.23	100782	32179	3905.871	1898.277
Total	Aroclor-1016			217086	81579	9497.360	4122.250
Average	Aroclor-1016					3165.787	1374.083
8) L2	Aroclor-1221	5.05	8.02	1537	1723	219.387	281.831 #
9) L2	Aroclor-1221 {2}	5.47	8.56	2689	9080	460.853	1861.610 #
10) L2	Aroclor-1221 {3}	5.64	8.79	28432	10938	1407.122	712.504 #
Total	Aroclor-1221			32658	21742	2087.361	2855.945
Average	Aroclor-1221					695.787	951.982
11) L3	Aroclor-1232	5.64	8.79	28432	10938	1558.748	763.307 #
12) L3	Aroclor-1232 {2}	6.75	10.32	45193	38462	3311.500	3201.491
13) L3	Aroclor-1232 {3}	8.55	12.23	34088	32179	4118.030	4640.596
Total	Aroclor-1232			107713	81579	8988.278	8605.395
Average	Aroclor-1232					2996.093	2868.465
14) L4	Aroclor-1242	5.64	8.79	28432	10938	1195.771	577.873 #
15) L4	Aroclor-1242 {2}	6.75	10.32	45193	38462	1067.232	1036.463
16) L4	Aroclor-1242 {3}	8.17	11.37	205255	23501	3180.723	1476.519
17) L4	Aroclor-1242 (4)	8.55	11.66	34088	147921	1263.907	2928.401
18) L4	Aroclor-1242 (5)	8.88	12.23	71111	32179	3202.476	1447.172
Total	Aroclor-1242			384079	253002	9910.109	7466.428
Average	Aroclor-1242					1982.022	1493.286
19) L5	Aroclor-1248	9.27	14.95	100782	69036	3576.073	3442.980
20) L5	Aroclor-1248 {2}	10.01	15.17	99238	79400	4223.777	3848.536

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-28.D Vial: 20
Signal #2 : D:\HPCHEM\5\13NOV96\C995-28.D\CONFIRM.D
Acq On : 14 Nov 96 04:41 AM Operator: JS
Sample : VHB / PF1 Inst : ECD1
Misc : 15.5G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 5:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.17	111955	61734	3678.015	3989.307
Total	Aroclor-1248			311975	210169	11477.865	11280.823
Average	Aroclor-1248					3825.955	3760.274
22) L6	Aroclor-1254	13.02	17.17	47676	42361	1374.869	1355.738
23) L6	Aroclor-1254 {2}	13.36	17.56	88587	82009	1230.904	1187.814
24) L6	Aroclor-1254 {3}	13.85	17.99	44094	54705	1312.393	1255.569
25) L6	Aroclor-1254 (4)	14.20	18.51	58699	32339	1254.745	1152.784
26) L6	Aroclor-1254 (5)	15.75	20.04	62547	50701	1160.289	1156.476
Total	Aroclor-1254			301602	262116	6333.199	6108.381
Average	Aroclor-1254					1266.640	1221.676
27) L7	Aroclor-1260	13.85	18.19	44094	29641	1274.317	912.375 #
28) L7	Aroclor-1260 {2}	14.64	18.51	35127	32339	885.246	880.037
29) L7	Aroclor-1260 {3}	17.84	21.92	19688	17942	356.450	331.379
Total	Aroclor-1260			98909	79922	2516.013	2123.790
Average	Aroclor-1260					838.671	707.930
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.14f	0	1825	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

MRL = 18/36

223

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-29A.D Vial: 39
Signal #2 : D:\HPCHEM\5\13NOV96\C995-29A.D\CONFIRM.D
Acq On : 14 Nov 96 05:00 PM Operator: JS
Sample : VHB / PF2 5X DILUTION Inst : ECD1
Misc : 15.2G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 17:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	1824	1505	7.316	7.709
					Recovery	=	18.29%	19.27%
2)	S	Decachlorobiphenyl	22.16	30.39	1109	783	5.453	8.061 #
					Recovery	=	13.63%	20.15%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	73944	54541	684.289	563.500
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	8436	5912	45.111	34.975
5)	L1	Aroclor-1016	6.75	8.79	15593	2639	486.676	207.306 #
6)	L1	Aroclor-1016 {2}	8.88	10.32	24135	13979	1418.967	496.024 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	38700	10781	1499.827	635.996 #
	Total	Aroclor-1016			78427	27400	3405.470	1339.326
	Average	Aroclor-1016					1135.157	446.442
8)	L2	Aroclor-1221	5.05	8.02	297	365	42.375	59.765 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	647	1224	110.907	251.038 #
10)	L2	Aroclor-1221 {3}	5.65	8.79	5408	2639	267.659	171.903 #
	Total	Aroclor-1221			6352	4229	420.942	482.707
	Average	Aroclor-1221					140.314	160.902
11)	L3	Aroclor-1232	5.65	8.79	5408	2639	296.501	184.160 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	15593	13979	1142.525	1163.613
13)	L3	Aroclor-1232 {3}	8.56	12.24	12018	10781	1451.914	1554.779
	Total	Aroclor-1232			33019	27400	2890.940	2902.552
	Average	Aroclor-1232					963.647	967.517
14)	L4	Aroclor-1242	5.65	8.79	5408	2639	227.456	139.421 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	15593	13979	368.214	376.712
16)	L4	Aroclor-1242 {3}	8.17	11.37	73944	8122	1145.866	510.315 #
17)	L4	Aroclor-1242 (4)	8.56	11.66	12018	54541	445.622	1079.753 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	24135	10781	1086.896	484.859 #
	Total	Aroclor-1242			131098	90063	3274.054	2591.060
	Average	Aroclor-1242					654.811	518.212
19)	L5	Aroclor-1248	9.27	14.95	38700	22988	1373.187	1146.491
20)	L5	Aroclor-1248 {2}	10.02	15.17	36180	24510	1539.906	1188.031

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-29A.D PCB1KE.M Thu Nov 14 17:39:41 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-29A.D Vial: 39
Signal #2 : D:\HPCHEM\5\13NOV96\C995-29A.D\CONFIRM.D
Acq On : 14 Nov 96 05:00 PM Operator: JS
Sample : VHB / PF2 5X DILUTION Inst : ECD1
Misc : 15.2G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 17:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	39619	16488	1301.601	1065.487
Total Aroclor-1248			114499	63987	4214.694	3400.009
Average Aroclor-1248					1404.898	1133.336
22) L6 Aroclor-1254	13.02	17.17	17243	15286	497.238	489.227
23) L6 Aroclor-1254 {2}	13.36	17.56	34902	32336	484.966	468.346
24) L6 Aroclor-1254 {3}	13.86	17.99	16661	21209	495.897	486.769
25) L6 Aroclor-1254 (4)	14.20	18.51	22698	13109	485.182	467.295
26) L6 Aroclor-1254 (5)	15.75	20.04	25255	20094	468.493	458.345
Total Aroclor-1254			116759	102034	2431.776	2369.982
Average Aroclor-1254					486.355	473.996
27) L7 Aroclor-1260	13.86	18.19	16661	11906	481.510	366.479
28) L7 Aroclor-1260 {2}	14.64	18.51	14359	13109	361.867	356.734
29) L7 Aroclor-1260 {3}	17.84	21.92	6005	5480	108.719	101.218
Total Aroclor-1260			37025	30495	952.096	824.431
Average Aroclor-1260					317.365	274.810
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	471	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$$\frac{2232 \times \frac{5}{2} \times 5 \times 25}{15.2 \times 0.89} = 5155\ 9$$

AR1254

$$\frac{2370 \times 25 \times 5}{15.2 \times 0.89} = 21899$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-29.D Vial: 21
Signal #2 : D:\HPCHEM\5\13NOV96\C995-29.D\CONFIRM.D
Acq On : 14 Nov 96 05:22 AM Operator: JS
Sample : VHB / PF2 Inst : ECD1
Misc : 15.2G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 6:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10144	8081	40.694	41.383
				Recovery	=	101.74%	103.46%
2) S	Decachlorobiphenyl	22.16	30.38	3759	3856	18.475	39.702 #
				Recovery	=	46.19%	99.26%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	286381	211224	2650.225	2182.299
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	39075	28618	208.956	169.304
5) L1	Aroclor-1016	6.75	8.79	57719	10826	1801.543	850.441 #
6) L1	Aroclor-1016 {2}	8.87	10.31	98846	51177	5811.581	1815.874
7) L1	Aroclor-1016 {3}	9.26	12.23	137554	43313	5330.979	2555.115
Total	Aroclor-1016			294119	105316	12944.102	5221.430
Average	Aroclor-1016					4314.701	1740.477
8) L2	Aroclor-1221	5.05	8.02	1346	1712	192.045	279.963 #
9) L2	Aroclor-1221 {2}	5.47	8.56	2866	5956	491.325	1221.114 #
10) L2	Aroclor-1221 {3}	5.64	8.79	22826	10826	1129.683	705.205 #
Total	Aroclor-1221			27039	18494	1813.053	2206.282
Average	Aroclor-1221					604.351	735.427
11) L3	Aroclor-1232	5.64	8.79	22826	10826	1251.413	755.487 #
12) L3	Aroclor-1232 {2}	6.75	10.31	57719	51177	4229.317	4259.822
13) L3	Aroclor-1232 {3}	8.55	12.23	47982	43313	5796.568	6246.326
Total	Aroclor-1232			128528	105316	11277.298	11261.636
Average	Aroclor-1232					3759.099	3753.879
14) L4	Aroclor-1242	5.64	8.79	22826	10826	960.004	571.953 #
15) L4	Aroclor-1242 {2}	6.75	10.31	57719	51177	1363.027	1379.091
16) L4	Aroclor-1242 {3}	8.17	11.37	286381	33264	4437.896	2089.872
17) L4	Aroclor-1242 (4)	8.55	11.65	47982	211224	1779.084	4181.619
18) L4	Aroclor-1242 (5)	8.87	12.23	98846	43313	4451.537	1947.920
Total	Aroclor-1242			513755	349804	12991.548	10170.454
Average	Aroclor-1242					2598.310	2034.091
19) L5	Aroclor-1248	9.26	14.95	137554	91358	4880.849	4556.241
20) L5	Aroclor-1248 {2}	10.01	15.17	133400	99160	5673.786	4806.315

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-29.D PCB1KE.M Thu Nov 14 06:01:31 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-29.D Vial: 21
Signal #2 : D:\HPCHEM\5\13NOV96\C995-29.D\CONFIRM.D
Acq On : 14 Nov 96 05:22 AM Operator: JS
Sample : VHB / PF2 Inst : ECD1
Misc : 15.2G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 6:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	151701	73647	4983.797	4759.159
Total Aroclor-1248			422656	264164	15542.433	14121.714
Average Aroclor-1248					5180.811	4707.238
22) L6 Aroclor-1254	13.02	17.17	72589	65092	2093.296	2083.208
23) L6 Aroclor-1254 {2}	13.36	17.56	135126	125745	1877.560	1821.284
24) L6 Aroclor-1254 {3}	13.85	17.99	65385	87972	1946.099	2019.107
25) L6 Aroclor-1254 (4)	14.19	18.50	94120	51886	2011.904	1849.591
26) L6 Aroclor-1254 (5)	15.74	20.04	103037	84380	1911.402	1924.683
Total Aroclor-1254			470256	415076	9840.261	9697.873
Average Aroclor-1254					1968.052	1939.575
27) L7 Aroclor-1260	13.85	18.19	65385	45852	1889.638	1411.360
28) L7 Aroclor-1260 {2}	14.63	18.50	56213	51886	1416.634	1411.980
29) L7 Aroclor-1260 {3}	17.84	21.92	28221	25796	510.942	476.427
Total Aroclor-1260			149819	123534	3817.214	3299.767
Average Aroclor-1260					1272.405	1099.922
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13f	0	2306	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 180/375

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-29.D PCB1KE.M Thu Nov 14 06:01:36 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-30.D Vial: 22
Signal #2 : D:\HPCHEM\5\13NOV96\C995-30.D\CONFIRM.D
Acq On : 14 Nov 96 06:03 AM Operator: JS
Sample : VHB / PF3 Inst : ECD1
Misc : 15.4G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 6:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9685	7289	38.851	37.326
				Recovery	=	97.13%	93.32%
2) S	Decachlorobiphenyl	22.16	30.38	6520	3556	32.046	36.610
				Recovery	=	80.12%	91.53%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.65	101274	76505	937.204	790.419
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	10847	8323	58.006	49.241
5) L1	Aroclor-1016	6.75	8.79	18995	3375	592.871	265.102 #
6) L1	Aroclor-1016 {2}	8.87	10.31	35813	16982	2105.614	602.572 #
7) L1	Aroclor-1016 {3}	9.26	12.24	52386	13992	2030.243	825.387 #
Total	Aroclor-1016			107194	34349	4728.729	1693.062
Average	Aroclor-1016					1576.243	564.354
8) L2	Aroclor-1221	5.05	8.02	507	995	72.413	162.667 #
9) L2	Aroclor-1221 {2}	5.47	8.55	966	5300	165.587	1086.594 #
10) L2	Aroclor-1221 {3}	5.63	8.79	10327	3375	511.106	219.829 #
Total	Aroclor-1221			11801	9669	749.106	1469.090
Average	Aroclor-1221					249.702	489.697
11) L3	Aroclor-1232	5.63	8.79	10327	3375	566.180	235.503 #
12) L3	Aroclor-1232 {2}	6.75	10.31	18995	16982	1391.828	1413.563
13) L3	Aroclor-1232 {3}	8.55	12.24	16706	13992	2018.149	2017.770
Total	Aroclor-1232			46028	34349	3976.158	3666.836
Average	Aroclor-1232					1325.386	1222.279
14) L4	Aroclor-1242	5.63	8.79	10327	3375	434.337	178.291 #
15) L4	Aroclor-1242 {2}	6.75	10.31	18995	16982	448.559	457.632
16) L4	Aroclor-1242 {3}	8.16	11.37	101274	10598	1569.382	665.866 #
17) L4	Aroclor-1242 (4)	8.55	11.65	16706	76505	619.411	1514.564 #
18) L4	Aroclor-1242 (5)	8.87	12.24	35813	13992	1612.852	629.243 #
Total	Aroclor-1242			183115	121452	4684.542	3445.595
Average	Aroclor-1242					936.908	689.119
19) L5	Aroclor-1248	9.26	14.95	52386	31197	1858.816	1555.852
20) L5	Aroclor-1248 {2}	10.01	15.16	49963	35839	2126.516	1737.135

128

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-30.D Vial: 22
Signal #2 : D:\HPCHEM\5\13NOV96\C995-30.D\CONFIRM.D
Acq On : 14 Nov 96 06:03 AM Operator: JS
Sample : VHB / PF3 Inst : ECD1
Misc : 15.4G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 6:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	52496	24927	1724.632	1610.845
Total Aroclor-1248			154845	91963	5709.964	4903.832
Average Aroclor-1248					1903.321	1634.611
22) L6 Aroclor-1254	13.02	17.17	22214	19993	640.600	639.853
23) L6 Aroclor-1254 {2}	13.36	17.55	44142	40361	613.349	584.585
24) L6 Aroclor-1254 {3}	13.85	17.99	21297	27306	633.895	626.723
25) L6 Aroclor-1254 (4)	14.19	18.50	28210	16090	603.009	573.578
26) L6 Aroclor-1254 (5)	15.74	20.04	30803	24330	571.423	554.963
Total Aroclor-1254			146667	128081	3062.276	2979.703
Average Aroclor-1254					612.455	595.941
27) L7 Aroclor-1260	13.85	18.18	21297	14535	615.504	447.387 #
28) L7 Aroclor-1260 {2}	14.63	18.50	19852	16090	500.284	437.870
29) L7 Aroclor-1260 {3}	17.84	21.92	8043	8114	145.613	149.866
Total Aroclor-1260			49192	38739	1261.401	1035.123
Average Aroclor-1260					420.467	345.041
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13f	0	546	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$\frac{3182 \times \frac{5}{2} \times 25}{15.4 \times 0.90} = 14349$

mRL = 180/360

AR1254 =

$\frac{2979.7 \times 25}{15.4 \times 0.9} = 5370$

KC

229

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-31.D Vial: 23
Signal #2 : D:\HPCHEM\5\13NOV96\C995-31.D\CONFIRM.D
Acq On : 14 Nov 96 06:43 AM Operator: JS
Sample : VHB / PG1 Inst : ECD1
Misc : 15.0G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 7:22 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9987	7761	40.064	39.747
				Recovery	=	100.16%	99.37%
2) S	Decachlorobiphenyl	22.16	30.38	6966	4112	34.239	42.337
				Recovery	=	85.60%	105.84%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	51563	38820	477.173	401.072
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	8449	6957	45.179	41.158
5) L1	Aroclor-1016	6.75	8.79	10013	1939	312.532	152.312 #
6) L1	Aroclor-1016 (2)	8.88	10.32	16610	9141	976.563	324.344 #
7) L1	Aroclor-1016 (3)	9.26	12.24	28207	6872	1093.182	405.363 #
Total	Aroclor-1016			54830	17951	2382.278	882.020
Average	Aroclor-1016					794.093	294.007
8) L2	Aroclor-1221	5.05	8.02	190	708	27.086	115.795 #
9) L2	Aroclor-1221 (2)	5.47	8.56	481	1340	82.497	274.733 #
10) L2	Aroclor-1221 (3)	5.64	8.79	3905	1939	193.277	126.301 #
Total	Aroclor-1221			4576	3987	302.860	516.829
Average	Aroclor-1221					100.953	172.276
11) L3	Aroclor-1232	5.64	8.79	3905	1939	214.104	135.306 #
12) L3	Aroclor-1232 (2)	6.75	10.32	10013	9141	733.704	760.872
13) L3	Aroclor-1232 (3)	8.55	12.24	7754	6872	936.683	990.965
Total	Aroclor-1232			21672	17951	1884.491	1887.144
Average	Aroclor-1232					628.164	629.048
14) L4	Aroclor-1242	5.64	8.79	3905	1939	164.247	102.436 #
15) L4	Aroclor-1242 (2)	6.75	10.32	10013	9141	236.458	246.328
16) L4	Aroclor-1242 (3)	8.17	11.37	51563	4750	799.043	298.408 #
17) L4	Aroclor-1242 (4)	8.55	11.66	7754	38820	287.487	768.515 #
18) L4	Aroclor-1242 (5)	8.88	12.24	16610	6872	748.025	309.033 #
Total	Aroclor-1242			89845	61521	2235.260	1724.719
Average	Aroclor-1242					447.052	344.944
19) L5	Aroclor-1248	9.26	14.95	28207	17974	1000.877	896.419
20) L5	Aroclor-1248 (2)	10.01	15.17	26573	19844	1130.981	961.827

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-31.D Vial: 23
Signal #2 : D:\HPCHEM\5\13NOV96\C995-31.D\CONFIRM.D
Acq On : 14 Nov 96 06:43 AM Operator: JS
Sample : VHB / PG1 Inst : ECD1
Misc : 15.0G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 7:22 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	32038	13781	1052.542	890.522
Total Aroclor-1248			86818	51598	3184.400	2748.768
Average Aroclor-1248					1061.467	916.256
22) L6 Aroclor-1254	13.02	17.17	15414	13922	444.515	445.549
23) L6 Aroclor-1254 {2}	13.36	17.55	32019	29516	444.896	427.501
24) L6 Aroclor-1254 {3}	13.85	17.99	15598	19028	464.270	436.732
25) L6 Aroclor-1254 (4)	14.19	18.50	20557	12522	439.415	446.383
26) L6 Aroclor-1254 (5)	15.74	20.04	24516	19847	454.787	452.712
Total Aroclor-1254			108104	94835	2247.883	2208.877
Average Aroclor-1254					449.577	441.775
27) L7 Aroclor-1260	13.85	18.19	15598	10898	450.800	335.437 #
28) L7 Aroclor-1260 {2}	14.63	18.50	13825	12522	348.397	340.769
29) L7 Aroclor-1260 {3}	17.84	21.92	6150	6653	111.348	122.877
Total Aroclor-1260			35573	30073	910.545	799.084
Average Aroclor-1260					303.515	266.361
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.54	0	1234	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	1083	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$\frac{1548 \times 25 \times \frac{5}{2}}{15 \times 0.9} = 716.2$

AR 1254 = $\frac{2208.9 \times 25\,mL}{15.0\,g \times 0.9} = 4090$

MRL = 190/370

231 KC

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-32.D Vial: 24
Signal #2 : D:\HPCHEM\5\13NOV96\C995-32.D\CONFIRM.D
Acq On : 14 Nov 96 07:24 AM Operator: JS
Sample : VHB / PG2 Inst : ECD1
Misc : 15.1G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 8:03 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9512	7928	38.157	40.601
				Recovery	=	95.39%	101.50%
2) S	Decachlorobiphenyl	22.16	30.38	6342	3779	31.170	38.903
				Recovery	=	77.93%	97.26%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.66	57583	38062	532.885	393.247 #
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	5554	4320	29.698	25.554
5) L1	Aroclor-1016	6.75	0.00	10529	0	328.646	N.D. #
6) L1	Aroclor-1016 {2}	8.88	10.32	16329	8936	960.023	317.076 #
7) L1	Aroclor-1016 {3}	9.27	12.22	27698	9636	1073.458	568.444 #
Total	Aroclor-1016			54556	18572	2362.127	885.520
Average	Aroclor-1016					787.376	442.760
8) L2	Aroclor-1221	5.05	8.02	180	1286	25.627	210.299 #
9) L2	Aroclor-1221 {2}	0.00	8.56	0	13128	N.D.	2691.462 #
10) L2	Aroclor-1221 {3}	5.63	0.00	19864	0	983.076	N.D. #
Total	Aroclor-1221			20044	14414	1008.704	2901.761
Average	Aroclor-1221					504.352	1450.881
11) L3	Aroclor-1232	5.63	0.00	19864	0	1089.009	N.D. #
12) L3	Aroclor-1232 {2}	6.75	10.32	10529	8936	771.533	743.823
13) L3	Aroclor-1232 {3}	8.55	12.22	7617	9636	920.231	1389.639 #
Total	Aroclor-1232			38011	18572	2780.772	2133.461
Average	Aroclor-1232					926.924	1066.731
14) L4	Aroclor-1242	5.63	0.00	19864	0	835.417	N.D. #
15) L4	Aroclor-1242 {2}	6.75	10.32	10529	8936	248.650	240.808
16) L4	Aroclor-1242 {3}	8.18	11.37	57583	4962	892.335	311.739 #
17) L4	Aroclor-1242 (4)	8.55	11.66	7617	38062	282.437	753.522 #
18) L4	Aroclor-1242 (5)	8.88	12.22	16329	9636	735.355	433.359 #
Total	Aroclor-1242			111923	61596	2994.196	1739.428
Average	Aroclor-1242					598.839	434.857
19) L5	Aroclor-1248	9.27	14.95	27698	14857	982.819	740.935
20) L5	Aroclor-1248 {2}	10.01	15.17	25630	16315	1090.863	790.772 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-32.D Vial: 24
Signal #2 : D:\HPCHEM\5\13NOV96\C995-32.D\CONFIRM.D
Acq On : 14 Nov 96 07:24 AM Operator: JS
Sample : VHB / PG2 Inst : ECD1
Misc : 15.1G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 8:03 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.17	26051	10029	855.851	648.080
Total	Aroclor-1248			79379	41200	2929.533	2179.787
Average	Aroclor-1248					976.511	726.596
22) L6	Aroclor-1254	13.02	17.17	11011	9591	317.528	306.942
23) L6	Aroclor-1254 {2}	13.36	17.56	23242	20487	322.949	296.739
24) L6	Aroclor-1254 {3}	13.85	17.99	10965	13709	326.357	314.640
25) L6	Aroclor-1254 (4)	14.20	18.50	14770	8532	315.721	304.151
26) L6	Aroclor-1254 (5)	15.74	20.04	16646	13566	308.787	309.441
Total	Aroclor-1254			76634	65886	1591.341	1531.914
Average	Aroclor-1254					318.268	306.383
27) L7	Aroclor-1260	13.85	18.18	10965	8480	316.888	261.017
28) L7	Aroclor-1260 {2}	14.64	18.50	9802	8532	247.032	232.189
29) L7	Aroclor-1260 {3}	17.84	21.92	4362	4529	78.974	83.653
Total	Aroclor-1260			25129	21541	642.894	576.859
Average	Aroclor-1260					214.298	192.286
30) L8	Aroclor-1268	18.84	0.00	2232	0	NoCal	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.13f	0	756	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$$\frac{1628 \times \frac{5}{2} \times 25}{15.1 \times 0.9} = 7487$$

AR1254

$$\frac{1531.9 \times 25}{15.1\,g \times 0.9} = 2820$$

MRL = 184/370

233

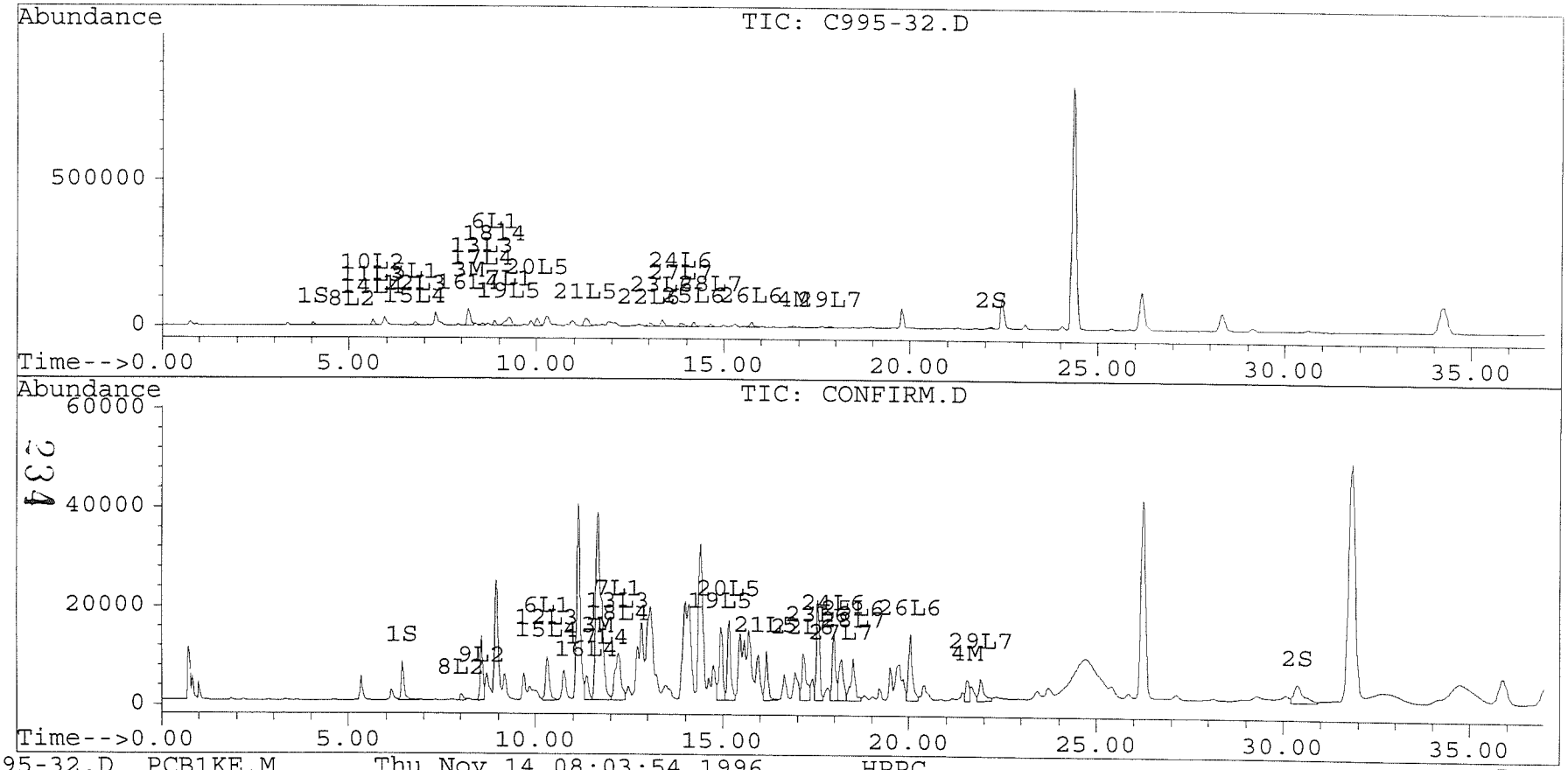
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-32.D Vial: 24
Signal #2 : D:\HPCHEM\5\13NOV96\C995-32.D\CONFIRM.D
Acq On : 14 Nov 96 07:24 AM Operator: JS
Sample : VHB / PG2 Inst : ECD1
Misc : 15.1G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 8:03 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-33.D Vial: 25
Signal #2 : D:\HPCHEM\5\13NOV96\C995-33.D\CONFIRM.D
Acq On : 14 Nov 96 08:04 AM Operator: JS
Sample : VHB / PG3 Inst : ECD1
Misc : 15.3G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 8:43 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9355	7724	37.528	39.554
					Recovery	=	93.82%	98.89%
2)	S	Decachlorobiphenyl	22.16	30.39	6134	3399	30.147	34.992
					Recovery	=	75.37%	87.48%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	126169	103486	1167.587	1069.177
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	16433	11349	87.874	67.137
5)	L1	Aroclor-1016	6.75	8.79	29896	5359	933.111	420.929 #
6)	L1	Aroclor-1016 {2}	8.88	10.32	40078	27459	2356.347	974.316 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	60912	49735	2360.699	2933.938
		Total Aroclor-1016			130886	82552	5650.156	4329.183
		Average Aroclor-1016					1883.385	1443.061
8)	L2	Aroclor-1221	5.05	8.02	628	897	89.642	146.682 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	1349	2544	231.257	521.578 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	12258	5359	606.629	349.043 #
		Total Aroclor-1221			14235	8800	927.528	1017.303
		Average Aroclor-1221					309.176	339.101
11)	L3	Aroclor-1232	5.64	8.79	12258	5359	671.997	373.931 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	29896	27459	2190.578	2285.629
13)	L3	Aroclor-1232 {3}	8.55	12.24	21491	49735	2596.302	7172.410
		Total Aroclor-1232			63645	82552	5458.877	9831.970
		Average Aroclor-1232					1819.626	3277.323
14)	L4	Aroclor-1242	5.64	8.79	12258	5359	515.513	283.090 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	29896	27459	705.981	739.958
16)	L4	Aroclor-1242 {3}	8.17	11.37	126169	27346	1955.167	1718.082
17)	L4	Aroclor-1242 (4)	8.55	11.66	21491	103486	796.858	2048.707 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	40078	49735	1804.908	2236.719
		Total Aroclor-1242			229891	213384	5778.425	7026.557
		Average Aroclor-1242					1155.685	1405.311
19)	L5	Aroclor-1248	9.27	14.95	60912	38921	2161.369	1941.097
20)	L5	Aroclor-1248 {2}	10.01	15.17	58230	41966	2478.393	2034.094

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-33.D Vial: 25
Signal #2 : D:\HPCHEM\5\13NOV96\C995-33.D\CONFIRM.D
Acq On : 14 Nov 96 08:04 AM Operator: JS
Sample : VHB / PG3 Inst : ECD1
Misc : 15.3G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 8:43 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	64476	29196	2118.206	1886.692
Total Aroclor-1248			183619	110083	6757.969	5861.882
Average Aroclor-1248					2252.656	1953.961
22) L6 Aroclor-1254	13.02	17.17	29523	26420	851.371	845.551
23) L6 Aroclor-1254 {2}	13.36	17.56	57985	53670	805.698	777.352
24) L6 Aroclor-1254 {3}	13.85	17.99	27540	36954	819.695	848.143
25) L6 Aroclor-1254 (4)	14.20	18.51	39724	22291	849.144	794.619
26) L6 Aroclor-1254 (5)	15.75	20.04	44891	35770	832.752	815.906
Total Aroclor-1254			199663	175105	4158.660	4081.571
Average Aroclor-1254					831.732	816.314
27) L7 Aroclor-1260	13.85	18.19	27540	20047	795.914	617.053
28) L7 Aroclor-1260 {2}	14.64	18.51	24730	22291	623.230	606.613
29) L7 Aroclor-1260 {3}	17.84	21.92	10830	10528	196.071	194.443
Total Aroclor-1260			63100	52866	1615.215	1418.110
Average Aroclor-1260					538.405	472.703
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1254 = $\frac{4081.6 \times 25\,mL}{15.3g \times 0.89} =$ 7490

MRL = 180/360

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-33.D PCB1KE.M Thu Nov 14 08:43:56 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-33A.D Vial: 40
Signal #2 : D:\HPCHEM\5\13NOV96\C995-33A.D\CONFIRM.D
Acq On : 14 Nov 96 05:41 PM Operator: JS
Sample : VHB / PG3 2X DILUTION Inst : ECD1
Misc : 15.3G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 18:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	4226	3531	16.953	18.084
					Recovery	=	42.38%	45.21%
2)	S	Decachlorobiphenyl	22.16	30.39	3135	1836	15.410	18.898
					Recovery	=	38.53%	47.25%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	67163	47823	621.541	494.088
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	7681	5644	41.073	33.387
5)	L1	Aroclor-1016	6.75	8.79	16181	2758	505.047	216.629 #
6)	L1	Aroclor-1016 {2}	8.88	10.32	20488	14147	1204.583	501.965 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	33578	10871	1301.344	641.296 #
		Total Aroclor-1016			70247	27776	3010.975	1359.890
		Average Aroclor-1016					1003.658	453.297
8)	L2	Aroclor-1221	5.05	8.02	314	445	44.866	72.808 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	675	1228	115.734	251.749 #
10)	L2	Aroclor-1221 {3}	5.65	8.79	6322	2758	312.875	179.633 #
		Total Aroclor-1221			7312	4431	473.474	504.190
		Average Aroclor-1221					157.825	168.063
11)	L3	Aroclor-1232	5.65	8.79	6322	2758	346.589	192.441 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	16181	14147	1185.653	1177.551
13)	L3	Aroclor-1232 {3}	8.55	12.24	11147	10871	1346.648	1567.736
		Total Aroclor-1232			33650	27776	2878.891	2937.728
		Average Aroclor-1232					959.630	979.243
14)	L4	Aroclor-1242	5.65	8.79	6322	2758	265.881	145.691 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	16181	14147	382.113	381.225
16)	L4	Aroclor-1242 {3}	8.17	11.37	67163	7817	1040.794	491.110 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	11147	47823	413.314	946.748 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	20488	10871	922.683	488.899 #
		Total Aroclor-1242			121302	83415	3024.784	2453.672
		Average Aroclor-1242					604.957	490.734
19)	L5	Aroclor-1248	9.27	14.95	33578	19992	1191.463	997.075
20)	L5	Aroclor-1248 {2}	10.02	15.17	31459	21769	1338.937	1055.138

237

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-33A.D Vial: 40
Signal #2 : D:\HPCHEM\5\13NOV96\C995-33A.D\CONFIRM.D
Acq On : 14 Nov 96 05:41 PM Operator: JS
Sample : VHB / PG3 2X DILUTION Inst : ECD1
Misc : 15.3G/25ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 18:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	34618	14258	1137.288	921.357
Total Aroclor-1248			99655	56019	3667.688	2973.570
Average Aroclor-1248					1222.563	991.190
22) L6 Aroclor-1254	13.02	17.17	14939	13419	430.802	429.457
23) L6 Aroclor-1254 {2}	13.36	17.56	30770	28409	427.540	411.475
24) L6 Aroclor-1254 {3}	13.85	17.99	14595	19298	434.412	442.926
25) L6 Aroclor-1254 (4)	14.20	18.51	20648	11584	441.364	412.941
26) L6 Aroclor-1254 (5)	15.75	20.04	22861	18375	424.094	419.119
Total Aroclor-1254			103813	91085	2158.212	2115.919
Average Aroclor-1254					431.642	423.184
27) L7 Aroclor-1260	13.85	18.19	14595	10665	421.808	328.266
28) L7 Aroclor-1260 {2}	14.64	18.51	13004	11584	327.713	315.239
29) L7 Aroclor-1260 {3}	17.84	21.92	5400	5270	97.775	97.336
Total Aroclor-1260			33000	27519	847.296	740.842
Average Aroclor-1260					282.432	246.947
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	476	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 peaks

$$\frac{1963 \times \frac{5}{2} \times 25 \times 2}{15.3 \times 0.89} \approx 18,020$$

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-33A.D PCB1KE.M Thu Nov 14 18:20:25 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-34.D Vial: 26
Signal #2 : D:\HPCHEM\5\13NOV96\C995-34.D\CONFIRM.D
Acq On : 14 Nov 96 08:45 AM Operator: JS
Sample : VHB / PH1 Inst : ECD1
Misc : 15.3G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 9:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	10025	7781	40.217	39.847	
				Recovery	=	100.54%	99.62%	
2) S	Decachlorobiphenyl	22.16	30.39	7183	3406	35.306	35.066	
				Recovery	=	88.26%	87.67%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	30130	21829	278.832	225.525	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	4862	3636	26.002	21.508	
5) L1	Aroclor-1016	6.75	8.80	6091	885	190.105	69.495	#
6) L1	Aroclor-1016 {2}	8.88	10.32	8924	5586	524.679	198.213	#
7) L1	Aroclor-1016 {3}	9.27	12.24	18326	4125	710.222	243.328	#
Total	Aroclor-1016			33340	10596	1425.006	511.035	
Average	Aroclor-1016					475.002	170.345	
8) L2	Aroclor-1221	5.05	8.02	87	479	12.441	78.386	#
9) L2	Aroclor-1221 {2}	5.47	8.56	262	1019	44.901	209.011	#
10) L2	Aroclor-1221 {3}	5.64	8.80	2364	885	116.984	57.627	#
Total	Aroclor-1221			2713	2383	174.327	345.024	
Average	Aroclor-1221					58.109	115.008	
11) L3	Aroclor-1232	5.64	8.80	2364	885	129.590	61.736	#
12) L3	Aroclor-1232 {2}	6.75	10.32	6091	5586	446.292	464.983	
13) L3	Aroclor-1232 {3}	8.55	12.24	4520	4125	546.020	594.848	
Total	Aroclor-1232			12974	10596	1121.902	1121.566	
Average	Aroclor-1232					373.967	373.855	
14) L4	Aroclor-1242	5.64	8.80	2364	885	99.413	46.738	#
15) L4	Aroclor-1242 {2}	6.75	10.32	6091	5586	143.831	150.535	
16) L4	Aroclor-1242 {3}	8.17	11.37	30130	2728	466.915	171.418	#
17) L4	Aroclor-1242 (4)	8.55	11.66	4520	21829	167.584	432.141	#
18) L4	Aroclor-1242 (5)	8.88	12.24	8924	4125	401.892	185.503	#
Total	Aroclor-1242			52029	35153	1279.636	986.336	
Average	Aroclor-1242					255.927	197.267	
19) L5	Aroclor-1248	9.27	14.95	18326	10719	650.253	534.586	
20) L5	Aroclor-1248 {2}	10.02	15.17	16377	11307	697.051	548.053	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-34.D PCB1KE.M Thu Nov 14 09:24:29 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-34.D Vial: 26
Signal #2 : D:\HPCHEM\5\13NOV96\C995-34.D\CONFIRM.D
Acq On : 14 Nov 96 08:45 AM Operator: JS
Sample : VHB / PH1 Inst : ECD1
Misc : 15.3G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 9:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	19722	7447	647.907	481.244 #
Total Aroclor-1248			54425	29473	1995.211	1563.883
Average Aroclor-1248					665.070	521.294
22) L6 Aroclor-1254	13.02	17.17	8828	7911	254.588	253.177
23) L6 Aroclor-1254 {2}	13.36	17.56	19034	17353	264.474	251.341
24) L6 Aroclor-1254 {3}	13.85	17.99	9228	11480	274.654	263.477
25) L6 Aroclor-1254 (4)	14.20	18.51	12422	7665	265.531	273.222
26) L6 Aroclor-1254 (5)	15.75	20.04	14574	11812	270.361	269.419
Total Aroclor-1254			64086	56220	1329.608	1310.635
Average Aroclor-1254					265.922	262.127
27) L7 Aroclor-1260	13.85	18.19	9228	6790	266.686	209.017
28) L7 Aroclor-1260 {2}	14.64	18.51	8437	7665	212.625	208.578
29) L7 Aroclor-1260 {3}	17.84	21.92	3454	3551	62.535	65.577
Total Aroclor-1260			21119	18006	541.846	483.173
Average Aroclor-1260					180.615	161.058
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	543	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 – Use 2nd

$\frac{868 \times \frac{5}{2} \times 25}{15.3 \times 0.93} = 3813$

AR1254 =

$\frac{1310 \times 25}{15.3 \times 0.93} = 2301$

MRL = 180 | 350 240

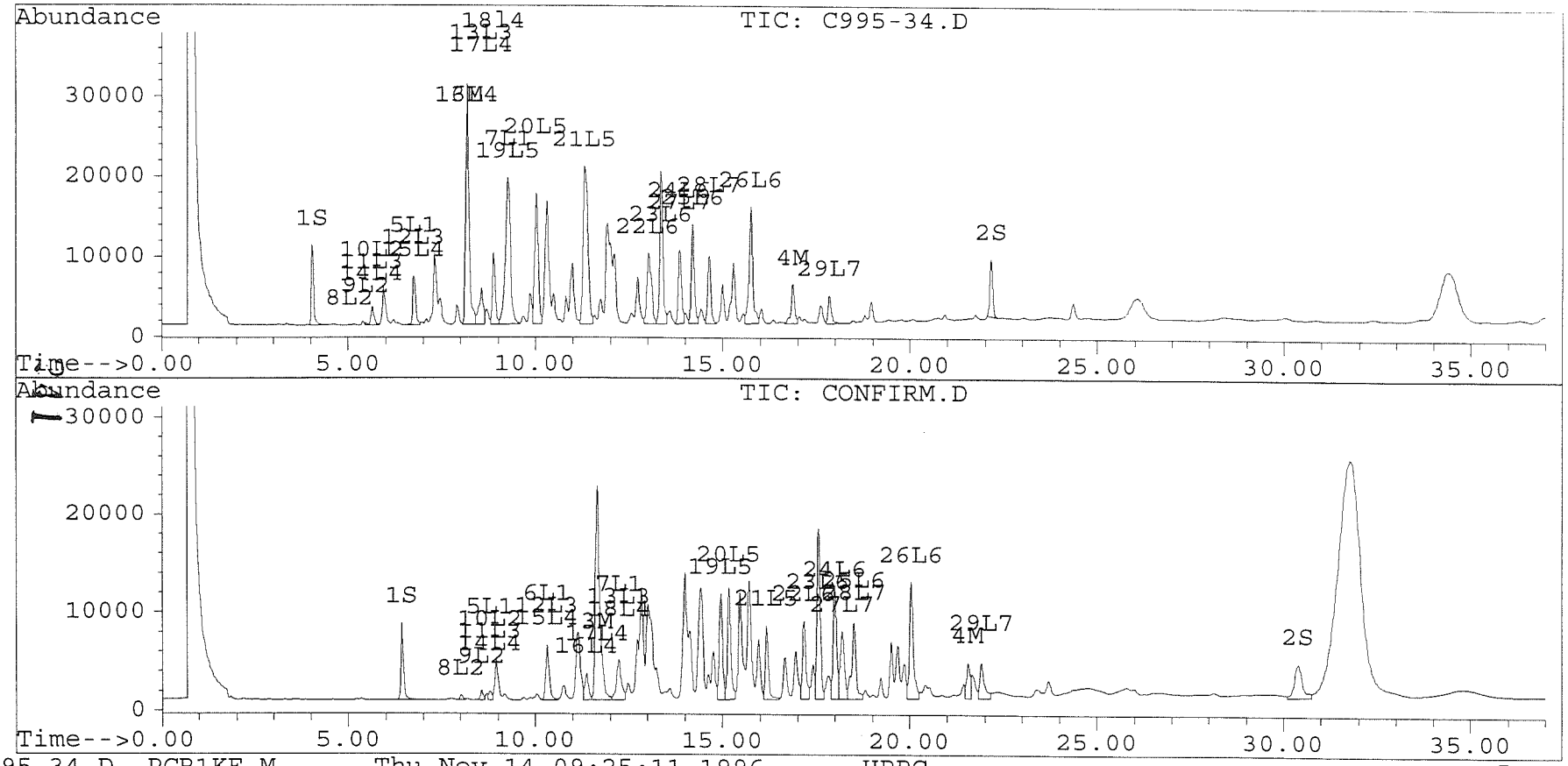
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-34.D Vial: 26
Signal #2 : D:\HPCHEM\5\13NOV96\C995-34.D\CONFIRM.D
Acq On : 14 Nov 96 08:45 AM Operator: JS
Sample : VHB / PH1 Inst : ECD1
Misc : 15.3G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 9:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-35.D Vial: 27
Signal #2 : D:\HPCHEM\5\13NOV96\C995-35.D\CONFIRM.D
Acq On : 14 Nov 96 01:23 PM Operator: JS
Sample : VHB / PH2 Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 14:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.44	8741	6970	35.065	35.695	
					Recovery	=	87.66%	89.24%	
2)	S	Decachlorobiphenyl	22.16	30.38	6381	3102	31.366	31.939	
					Recovery	=	78.42%	79.85%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.18	11.66	29855	20981	276.285	216.764	
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	3281	2619	17.545	15.495	
5)	L1	Aroclor-1016	6.76	8.79	7484	1080	233.581	84.831	#
6)	L1	Aroclor-1016 (2)	8.88	10.32	8924	6650	524.676	235.955	#
7)	L1	Aroclor-1016 (3)	9.27	12.24	17931	4557	694.909	268.842	#
	Total	Aroclor-1016			34338	12287	1453.166	589.628	
	Average	Aroclor-1016					484.389	196.543	
8)	L2	Aroclor-1221	5.05	8.02	104	312	14.772	50.995	#
9)	L2	Aroclor-1221 (2)	5.47	8.56	263	1986	45.062	407.113	#
10)	L2	Aroclor-1221 (3)	5.64	8.79	4012	1080	198.536	70.344	#
	Total	Aroclor-1221			4378	3377	258.369	528.452	
	Average	Aroclor-1221					86.123	176.151	
11)	L3	Aroclor-1232	5.64	8.79	4012	1080	219.929	75.360	#
12)	L3	Aroclor-1232 (2)	6.76	10.32	7484	6650	548.357	553.522	
13)	L3	Aroclor-1232 (3)	8.56	12.24	4682	4557	565.580	657.220	
	Total	Aroclor-1232			16177	12287	1333.867	1286.102	
	Average	Aroclor-1232					444.622	428.701	
14)	L4	Aroclor-1242	5.64	8.79	4012	1080	168.716	57.052	#
15)	L4	Aroclor-1242 (2)	6.76	10.32	7484	6650	176.725	179.199	
16)	L4	Aroclor-1242 (3)	8.18	11.38	29855	3480	462.650	218.625	#
17)	L4	Aroclor-1242 (4)	8.56	11.66	4682	20981	173.588	415.353	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	8924	4557	401.890	204.954	#
	Total	Aroclor-1242			54956	36747	1383.568	1075.183	
	Average	Aroclor-1242					276.714	215.037	
19)	L5	Aroclor-1248	9.27	14.95	17931	9144	636.233	456.050	#
20)	L5	Aroclor-1248 (2)	10.02	15.17	16148	9739	687.298	472.076	#

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-35.D Vial: 27
Signal #2 : D:\HPCHEM\5\13NOV96\C995-35.D\CONFIRM.D
Acq On : 14 Nov 96 01:23 PM Operator: JS
Sample : VHB / PH2 Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 14:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.18	17010	5868	558.824	379.202 #
Total	Aroclor-1248			51089	24752	1882.355	1307.328
Average	Aroclor-1248					627.452	435.776
22) L6	Aroclor-1254	13.02	17.17	7047	6353	203.215	203.338
23) L6	Aroclor-1254 {2}	13.36	17.56	15133	13678	210.275	198.107
24) L6	Aroclor-1254 {3}	13.86	17.99	7156	8631	213.002	198.085
25) L6	Aroclor-1254 (4)	14.20	18.51	9343	5417	199.715	193.088
26) L6	Aroclor-1254 (5)	15.75	20.04	10144	8084	188.170	184.386
Total	Aroclor-1254			48823	42162	1014.377	977.004
Average	Aroclor-1254					202.875	195.401
27) L7	Aroclor-1260	13.86	18.19	7156	5155	206.823	158.684
28) L7	Aroclor-1260 {2}	14.64	18.51	6389	5417	161.016	147.403
29) L7	Aroclor-1260 {3}	17.85	21.92	2147	2338	38.876	43.180
Total	Aroclor-1260			15693	12910	406.715	349.267
Average	Aroclor-1260					135.572	116.422
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$\frac{864 \times \frac{5}{2} \times 25}{15 \times 0.91} = 3956$

AR1254 =

$\frac{977 \times 25}{15 \times 0.91} = 1790$

180/370

243

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-36.D Vial: 28
Signal #2 : D:\HPCHEM\5\13NOV96\C995-36.D\CONFIRM.D
Acq On : 14 Nov 96 10:40 AM Operator: JS
Sample : VHB / PH3 Inst : ECD1
Misc : 15.2G/25ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 11:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.44	8985	7093	36.043	36.322	
				Recovery	=	90.11%	90.81%	
2) S	Decachlorobiphenyl	22.16	30.39	6510	3593	31.996	36.987	
				Recovery	=	79.99%	92.47%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	25616	17941	237.051	185.357	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	2844	2124	15.208	12.566	
5) L1	Aroclor-1016	6.75	8.80	8228	1421	256.828	111.612	#
6) L1	Aroclor-1016 {2}	8.88	10.32	6759	7343	397.404	260.533	#
7) L1	Aroclor-1016 {3}	9.27	12.24	14775	4264	572.621	251.548	#
Total	Aroclor-1016			29763	13028	1226.852	623.692	
Average	Aroclor-1016					408.951	207.897	
8) L2	Aroclor-1221	5.05	8.03	156	197	22.214	32.226	#
9) L2	Aroclor-1221 {2}	5.47	8.57	334	354	57.227	72.583	#
10) L2	Aroclor-1221 {3}	5.65	8.80	2416	1421	119.563	92.551	
Total	Aroclor-1221			2905	1972	199.004	197.360	
Average	Aroclor-1221					66.335	65.787	
11) L3	Aroclor-1232	5.65	8.80	2416	1421	132.447	99.150	#
12) L3	Aroclor-1232 {2}	6.75	10.32	8228	7343	602.931	611.179	
13) L3	Aroclor-1232 {3}	8.56	12.24	4627	4264	558.976	614.943	
Total	Aroclor-1232			15271	13028	1294.353	1325.272	
Average	Aroclor-1232					431.451	441.757	
14) L4	Aroclor-1242	5.65	8.80	2416	1421	101.605	75.063	#
15) L4	Aroclor-1242 {2}	6.75	10.32	8228	7343	194.313	197.865	
16) L4	Aroclor-1242 {3}	8.17	11.38	25616	3643	396.950	228.850	#
17) L4	Aroclor-1242 (4)	8.56	11.66	4627	17941	171.561	355.173	#
18) L4	Aroclor-1242 (5)	8.88	12.24	6759	4264	304.402	191.770	#
Total	Aroclor-1242			47646	34611	1168.831	1048.721	
Average	Aroclor-1242					233.766	209.744	
19) L5	Aroclor-1248	9.27	14.96	14775	8151	524.271	406.492	
20) L5	Aroclor-1248 {2}	10.02	15.17	13272	8618	564.862	417.727	#

241

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-36.D Vial: 28
Signal #2 : D:\HPCHEM\5\13NOV96\C995-36.D\CONFIRM.D
Acq On : 14 Nov 96 10:40 AM Operator: JS
Sample : VHB / PH3 Inst : ECD1
Misc : 15.2G/25ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 11:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	14495	5291	476.202	341.880 #
Total Aroclor-1248			42542	22059	1565.334	1166.099
Average Aroclor-1248					521.778	388.700
22) L6 Aroclor-1254	13.02	17.17	5787	5290	166.886	169.289
23) L6 Aroclor-1254 {2}	13.36	17.56	12509	11191	173.806	162.094
24) L6 Aroclor-1254 {3}	13.86	17.99	5887	7604	175.218	174.517
25) L6 Aroclor-1254 (4)	14.20	18.51	8099	4700	173.121	167.553
26) L6 Aroclor-1254 (5)	15.75	20.04	8652	6802	160.496	155.149
Total Aroclor-1254			40933	35587	849.527	828.602
Average Aroclor-1254					169.905	165.720
27) L7 Aroclor-1260	13.86	18.19	5887	4329	170.134	133.249
28) L7 Aroclor-1260 {2}	14.64	18.51	5312	4700	133.875	127.910
29) L7 Aroclor-1260 {3}	0.00	21.92	0	1842	N.D.	34.017 #
Total Aroclor-1260			11199	10871	304.010	295.177
Average Aroclor-1260					152.005	98.392
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2pts

$\frac{701 \times \frac{5}{2} \times 25}{15.2 \times 0.81} = 3558$

AR1254 =

$\frac{828.6 \times 25}{15.2 \times 0.81} = 1680$

MRL = 200/400

245

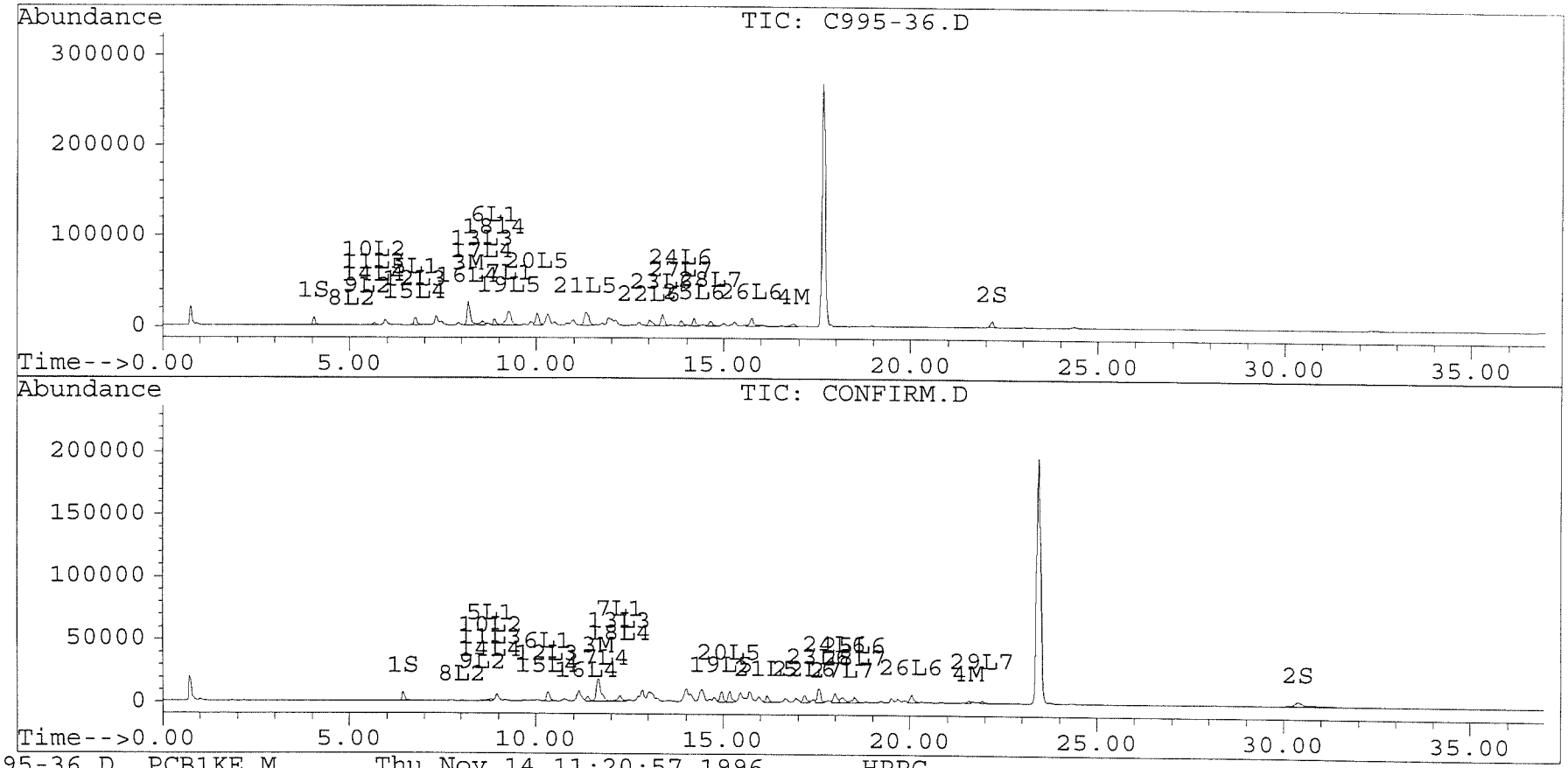
K

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-36.D Vial: 28
Signal #2 : D:\HPCHEM\5\13NOV96\C995-36.D\CONFIRM.D
Acq On : 14 Nov 96 10:40 AM Operator: JS
Sample : VHB / PH3 Inst : ECD1
Misc : 15.2G/25ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 11:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37A.D Vial: 41
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37A.D\CONFIRM.D
Acq On : 14 Nov 96 06:21 PM Operator: JS
Sample : VHB / PI1 2X DILUTION Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	4448	3469	17.844	17.767
					Recovery	=	44.61%	44.42%
2)	S	Decachlorobiphenyl	22.16	30.38	3440	1971	16.906	20.297
					Recovery	=	42.27%	50.74%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	56479	41412	522.666	427.852
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	10568	7339	56.514	43.416
5)	L1	Aroclor-1016	6.75	8.79	11148	1840	347.961	144.519 #
6)	L1	Aroclor-1016 {2}	8.88	10.32	17029	9952	1001.176	353.127 #
7)	L1	Aroclor-1016 {3}	9.26	12.23	34366	6944	1331.861	409.639 #
		Total Aroclor-1016			62542	18736	2680.997	907.286
		Average Aroclor-1016					893.666	302.429
8)	L2	Aroclor-1221	5.05	8.02	177	448	25.276	73.185 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	414	1512	70.981	310.015 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	4397	1840	217.595	119.838 #
		Total Aroclor-1221			4988	3799	313.853	503.038
		Average Aroclor-1221					104.618	167.679
11)	L3	Aroclor-1232	5.64	8.79	4397	1840	241.043	128.383 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	11148	9952	816.875	828.395
13)	L3	Aroclor-1232 {3}	8.55	12.23	7801	6944	942.418	1001.419
		Total Aroclor-1232			23346	18736	2000.336	1958.197
		Average Aroclor-1232					666.779	652.732
14)	L4	Aroclor-1242	5.64	8.79	4397	1840	184.912	97.194 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	11148	9952	263.263	268.188
16)	L4	Aroclor-1242 {3}	8.17	11.37	56479	5080	875.224	319.187 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	7801	41412	289.247	819.830 #
18)	L4	Aroclor-1242 (5)	8.88	12.23	17029	6944	766.878	312.293 #
		Total Aroclor-1242			96853	65228	2379.524	1816.691
		Average Aroclor-1242					475.905	363.338
19)	L5	Aroclor-1248	9.26	14.95	34366	21299	1219.403	1062.225
20)	L5	Aroclor-1248 {2}	10.01	15.17	31146	21826	1325.651	1057.921

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37A.D Vial: 41
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37A.D\CONFIRM.D
Acq On : 14 Nov 96 06:21 PM Operator: JS
Sample : VHB / PI1 2X DILUTION Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	39807	14618	1307.766	944.608 #
Total Aroclor-1248			105319	57742	3852.821	3064.754
Average Aroclor-1248					1284.274	1021.585
22) L6 Aroclor-1254	13.02	17.17	20154	17729	581.196	567.396
23) L6 Aroclor-1254 {2}	13.36	17.56	40712	37864	565.687	548.425
24) L6 Aroclor-1254 {3}	0.00	17.99	0	24112	N.D.	553.418 #
25) L6 Aroclor-1254 (4)	14.20	18.50	25917	15803	554.006	563.321
26) L6 Aroclor-1254 (5)	15.74	20.04	30475	24774	565.329	565.090
Total Aroclor-1254			117258	120283	2266.219	2797.651
Average Aroclor-1254					566.555	559.530
27) L7 Aroclor-1260	0.00	18.19	0	14003	N.D.	431.033 #
28) L7 Aroclor-1260 {2}	14.64	18.50	17299	15803	435.946	430.040
29) L7 Aroclor-1260 {3}	17.84	21.92	8092	7641	146.506	141.119
Total Aroclor-1260			25391	37447	582.452	1002.192
Average Aroclor-1260					291.226	334.064
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	658	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

NG↑

AR1242 – Use 2pts

$$\frac{1642 \times \frac{5}{2} \times 25 \times 2}{15.3 \times 0.92} = 14580$$

AR1254 =

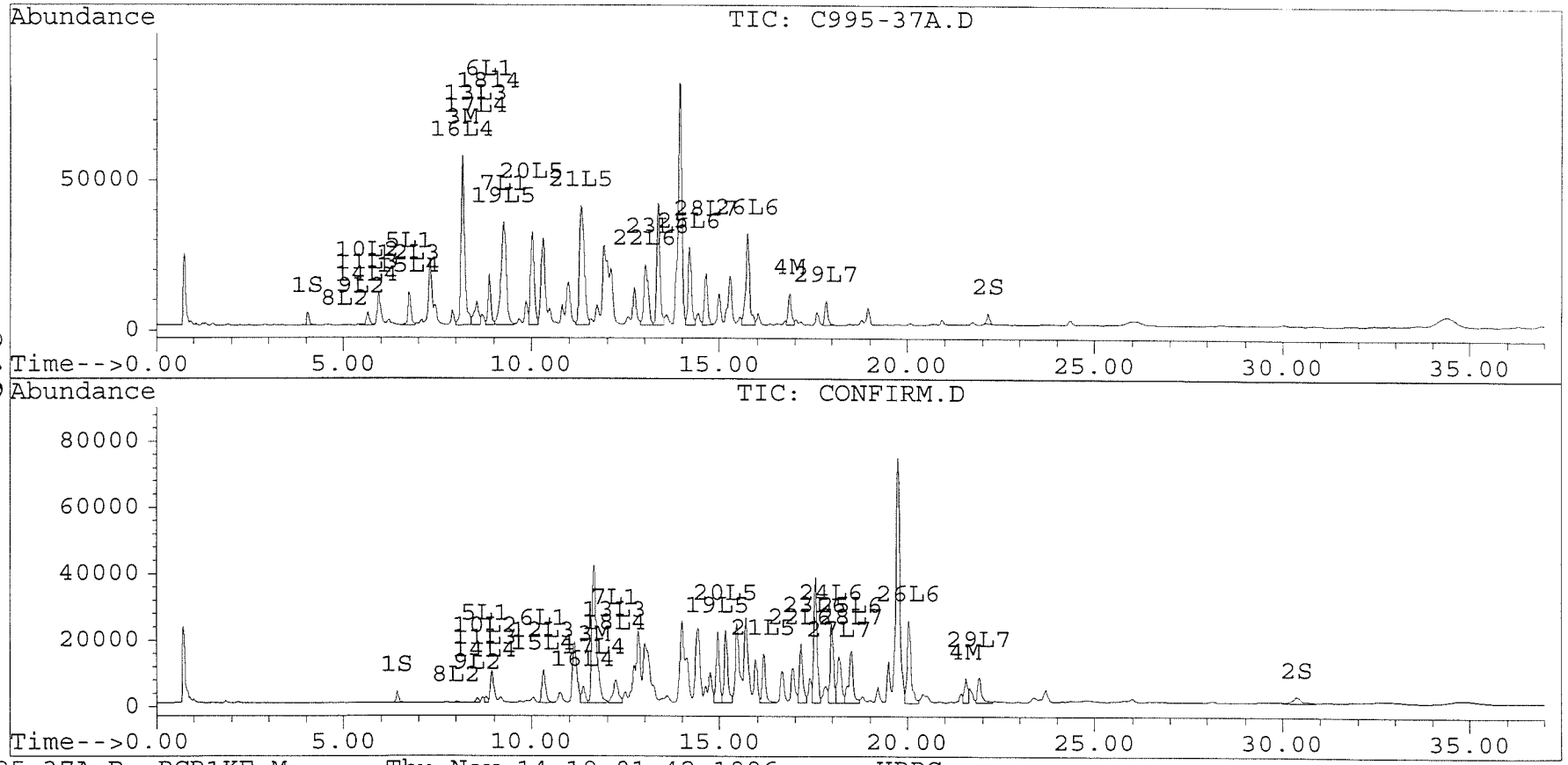
$$\frac{2798 \times 25 \times 2}{15.3 \times 0.92} = 9939$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37A.D Vial: 41
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37A.D\CONFIRM.D
Acq On : 14 Nov 96 06:21 PM Operator: JS
Sample : VHB / PI1 2X DILUTION Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37.D Vial: 29
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37.D\CONFIRM.D
Acq On : 14 Nov 96 11:21 AM Operator: JS
Sample : VHB / PI1 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	9514	7604	38.166	38.940
				Recovery	=	95.41%	97.35%
2) S	Decachlorobiphenyl	22.16	30.38	7346	3560	36.108	36.652
				Recovery	=	90.27%	91.63%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	104257	77796	964.810	803.766
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	21492	14681	114.931	86.850
5) L1	Aroclor-1016	6.75	8.79	20484	3553	639.358	279.117 #
6) L1	Aroclor-1016 (2)	8.88	10.32	33189	18412	1951.311	653.289 #
7) L1	Aroclor-1016 (3)	9.26	12.24	61085	13204	2367.402	778.947 #
Total	Aroclor-1016			114759	35169	4958.071	1711.354
Average	Aroclor-1016					1652.690	570.451
8) L2	Aroclor-1221	5.06	8.02	349	889	49.790	145.365 #
9) L2	Aroclor-1221 (2)	5.47	8.56	820	3200	140.589	656.028 #
10) L2	Aroclor-1221 (3)	5.64	8.79	8694	3553	430.280	231.450 #
Total	Aroclor-1221			9863	7642	620.659	1032.843
Average	Aroclor-1221					206.886	344.281
11) L3	Aroclor-1232	5.64	8.79	8694	3553	476.645	247.953 #
12) L3	Aroclor-1232 (2)	6.75	10.32	20484	18412	1500.961	1532.538
13) L3	Aroclor-1232 (3)	8.55	12.24	14965	13204	1807.835	1904.242
Total	Aroclor-1232			44143	35169	3785.441	3684.734
Average	Aroclor-1232					1261.814	1228.245
14) L4	Aroclor-1242	5.64	8.79	8694	3553	365.652	187.717 #
15) L4	Aroclor-1242 (2)	6.75	10.32	20484	18412	483.731	496.150
16) L4	Aroclor-1242 (3)	8.17	11.37	104257	9815	1615.609	616.679 #
17) L4	Aroclor-1242 (4)	8.55	11.66	14965	77796	554.861	1540.139 #
18) L4	Aroclor-1242 (5)	8.88	12.24	33189	13204	1494.660	593.839 #
Total	Aroclor-1242			181589	122781	4514.512	3434.523
Average	Aroclor-1242					902.902	686.905
19) L5	Aroclor-1248	9.26	14.95	61085	40842	2167.507	2036.891
20) L5	Aroclor-1248 (2)	10.02	15.17	57125	42338	2431.371	2052.162

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-37.D PCB1KE.M Thu Nov 14 12:00:31 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37.D Vial: 29
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37.D\CONFIRM.D
Acq On : 14 Nov 96 11:21 AM Operator: JS
Sample : VHB / PI1 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	73418	29483	2411.961	1905.222
Total Aroclor-1248			191628	112663	7010.840	5994.275
Average Aroclor-1248					2336.947	1998.092
22) L6 Aroclor-1254	13.02	17.17	39200	34941	1130.428	1118.271
23) L6 Aroclor-1254 {2}	13.36	17.56	75880	71070	1054.344	1029.380
24) L6 Aroclor-1254 {3}	0.00	17.99	0	46271	N.D.	1061.989 #
25) L6 Aroclor-1254 (4)	14.20	18.51	50031	29778	1069.463	1061.511
26) L6 Aroclor-1254 (5)	15.75	20.04	58306	47656	1081.604	1087.021
Total Aroclor-1254			223416	229717	4335.839	5358.171
Average Aroclor-1254					1083.960	1071.634
27) L7 Aroclor-1260	0.00	18.19	0	26069	N.D.	802.414 #
28) L7 Aroclor-1260 {2}	14.64	18.51	32225	29778	812.103	810.358
29) L7 Aroclor-1260 {3}	17.84	21.92	16485	15202	298.463	280.765
Total Aroclor-1260			48710	71049	1110.565	1893.537
Average Aroclor-1260					555.283	631.179
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	1022	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL - 180/360

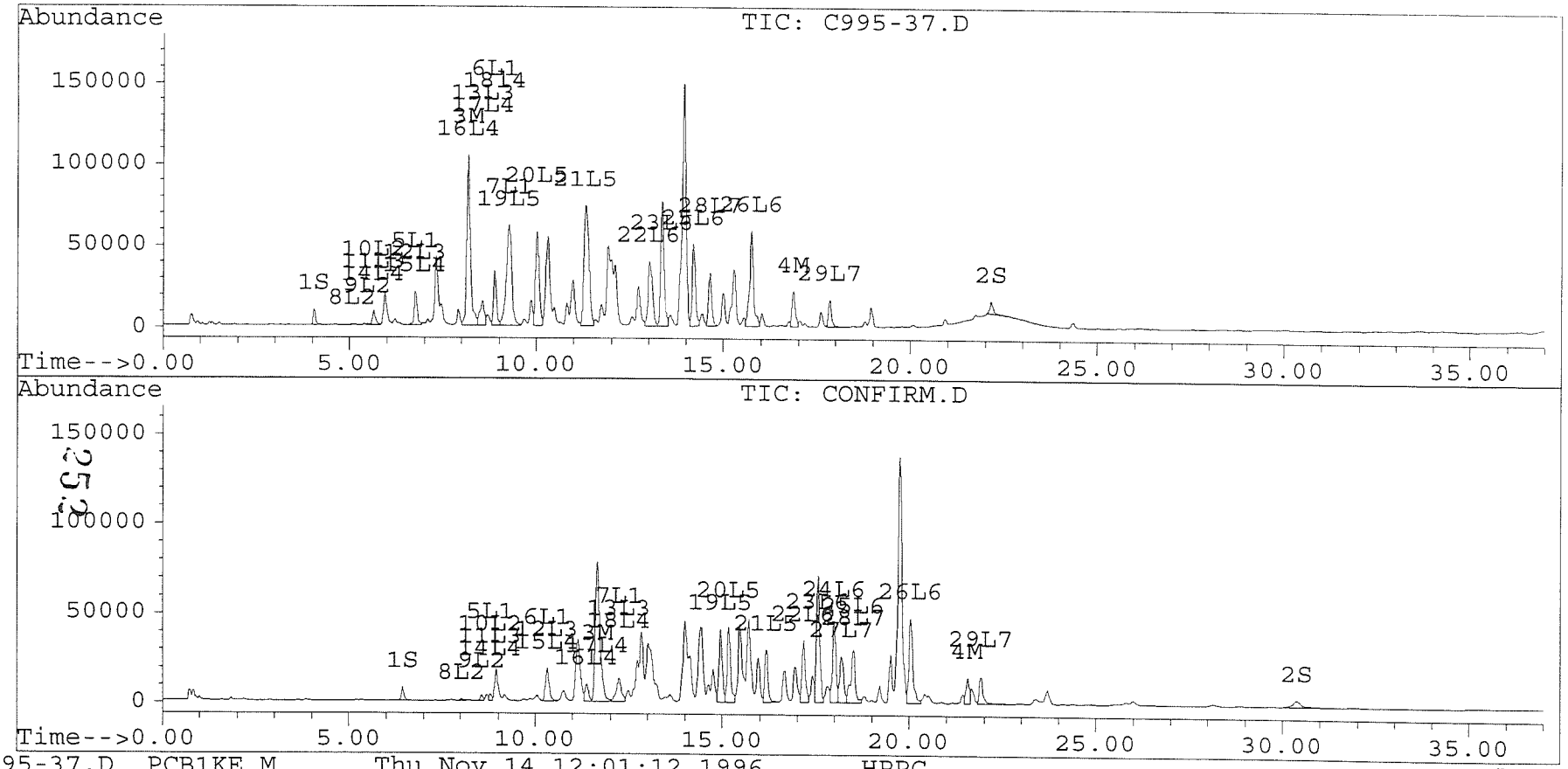
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-37.D PCB1KE.M Thu Nov 14 12:00:36 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-37.D Vial: 29
Signal #2 : D:\HPCHEM\5\13NOV96\C995-37.D\CONFIRM.D
Acq On : 14 Nov 96 11:21 AM Operator: JS
Sample : VHB / PI1 Inst : ECD1
Misc : 15.3G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38A.D Vial: 42
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38A.D\CONFIRM.D
Acq On : 14 Nov 96 07:02 PM Operator: JS
Sample : VHB / PI2 3X DILUTION Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.44	2848	2377	11.425	12.174	
					Recovery	=	28.56%	30.44%	
2)	S	Decachlorobiphenyl	22.16	30.38	2472	1411	12.149	14.525	
					Recovery	=	30.37%	36.31%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.17	11.66	45382	34193	419.973	353.271	
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	13207	9581	70.623	56.678	
5)	L1	Aroclor-1016	6.75	8.79	12368	2469	386.029	193.984	#
6)	L1	Aroclor-1016 {2}	8.88	10.32	13005	11071	764.600	392.839	#
7)	L1	Aroclor-1016 {3}	9.25	12.24	32281	6147	1251.067	362.609	#
		Total Aroclor-1016			57654	19688	2401.696	949.431	
		Average Aroclor-1016					800.565	316.477	
8)	L2	Aroclor-1221	5.06	8.02	391	445	55.839	72.838	#
9)	L2	Aroclor-1221 {2}	5.47	8.56	576	2053	98.781	420.853	#
10)	L2	Aroclor-1221 {3}	5.63	8.79	5074	2469	251.095	160.855	#
		Total Aroclor-1221			6041	4968	405.714	654.546	
		Average Aroclor-1221					135.238	218.182	
11)	L3	Aroclor-1232	5.63	8.79	5074	2469	278.152	172.325	#
12)	L3	Aroclor-1232 {2}	6.75	10.32	12368	11071	906.244	921.552	
13)	L3	Aroclor-1232 {3}	8.55	12.24	7265	6147	877.611	886.448	
		Total Aroclor-1232			24706	19688	2062.007	1980.325	
		Average Aroclor-1232					687.336	660.108	
14)	L4	Aroclor-1242	5.63	8.79	5074	2469	213.380	130.461	#
15)	L4	Aroclor-1242 {2}	6.75	10.32	12368	11071	292.065	298.347	
16)	L4	Aroclor-1242 {3}	8.17	11.37	45382	5520	703.261	346.789	#
17)	L4	Aroclor-1242 (4)	8.55	11.66	7265	34193	269.357	676.921	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	13005	6147	585.666	276.439	#
		Total Aroclor-1242			83093	59400	2063.728	1728.957	
		Average Aroclor-1242					412.746	345.791	
19)	L5	Aroclor-1248	9.25	14.95	32281	22122	1145.432	1103.299	
20)	L5	Aroclor-1248 {2}	10.01	15.17	28298	19511	1204.435	945.716	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38A.D Vial: 42
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38A.D\CONFIRM.D
Acq On : 14 Nov 96 07:02 PM Operator: JS
Sample : VHB / PI2 3X DILUTION Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.30	16.17	43899	12521	1442.214	809.128 #
Total Aroclor-1248			104479	54155	3792.081	2858.143
Average Aroclor-1248					1264.027	952.714
22) L6 Aroclor-1254	13.02	17.17	25779	22995	743.409	735.927
23) L6 Aroclor-1254 {2}	13.36	17.56	51455	48149	714.966	697.392
24) L6 Aroclor-1254 {3}	13.85	17.99	24021	31075	714.949	713.219
25) L6 Aroclor-1254 (4)	14.20	18.50	33705	19605	720.482	698.867
26) L6 Aroclor-1254 (5)	15.74	20.04	39482	31904	732.416	727.707
Total Aroclor-1254			174442	153728	3626.222	3573.112
Average Aroclor-1254					725.244	714.622
27) L7 Aroclor-1260	13.85	18.19	24021	17221	694.207	530.069
28) L7 Aroclor-1260 {2}	14.64	18.50	21104	19605	531.837	533.516
29) L7 Aroclor-1260 {3}	17.84	21.92	7844	7326	142.009	135.296
Total Aroclor-1260			52968	44151	1368.052	1198.882
Average Aroclor-1260					456.017	399.627
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.54	0	1355	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	1199	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 – Use 2 pts

$$\frac{1299 \times \frac{5}{2} \times 25 \times 3}{15.0 \times 0.88} = 18450$$

AR1254 =

$$\frac{3573 \times 25 \times 3}{15 \times 0.88}$$

$$= 20300$$

254

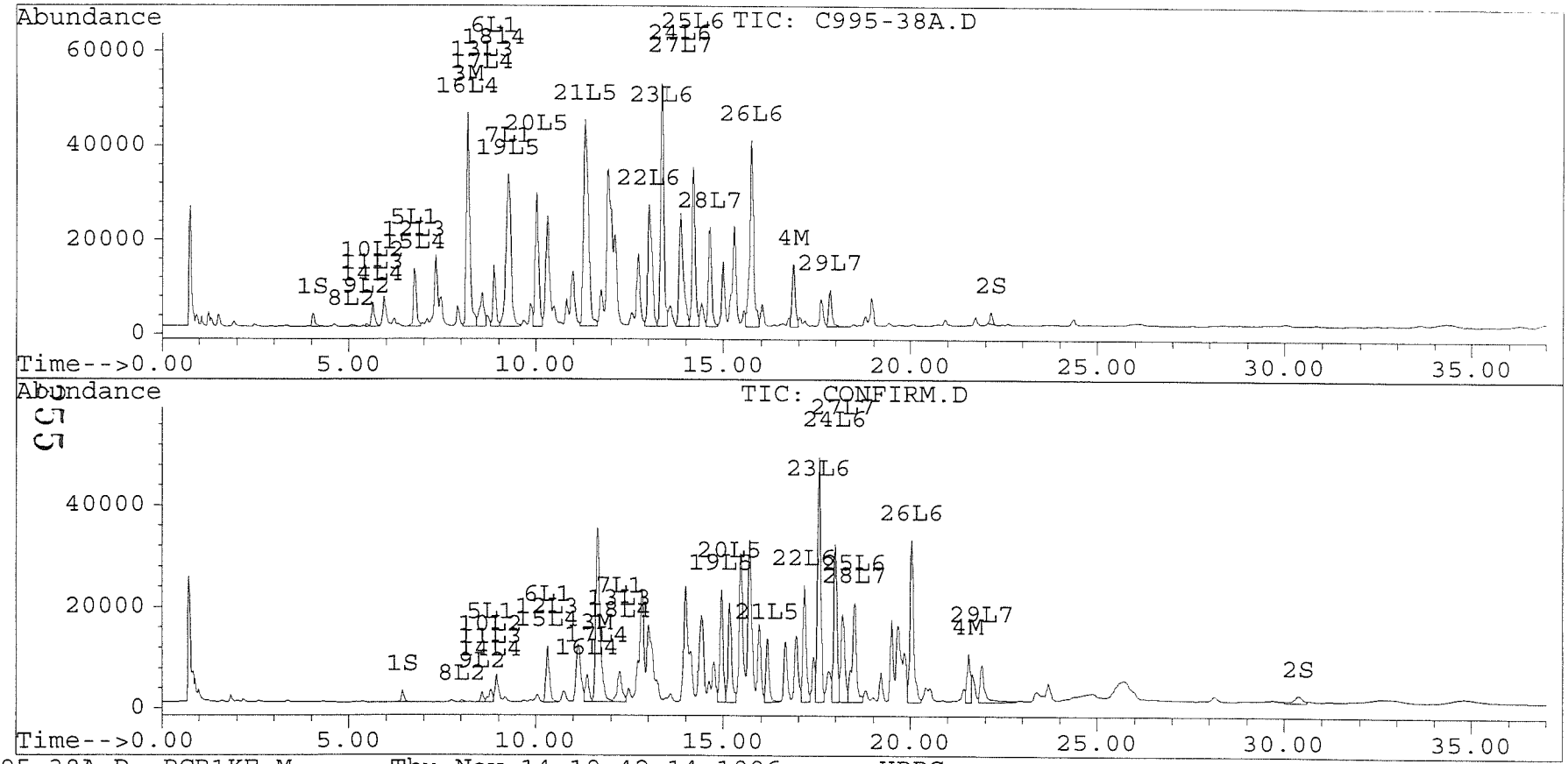
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38A.D Vial: 42
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38A.D\CONFIRM.D
Acq On : 14 Nov 96 07:02 PM Operator: JS
Sample : VHB / PI2 3X DILUTION Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 19:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38.D Vial: 30
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38.D\CONFIRM.D
Acq On : 14 Nov 96 12:02 PM Operator: JS
Sample : VHB / PI2 Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	9123	7401	36.595	37.904
				Recovery	=	91.49%	94.76%
2) S	Decachlorobiphenyl	22.16	30.38	6981	3545	34.315	36.500
				Recovery	=	85.79%	91.25%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	113969	86974	1054.689	898.589
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	37313	27880	199.537	164.938
5) L1	Aroclor-1016	6.75	8.80	30177	6462	941.883	507.597 #
6) L1	Aroclor-1016 {2}	8.88	10.32	35094	27165	2063.297	963.880 #
7) L1	Aroclor-1016 {3}	9.26	12.24	76661	16370	2971.044	965.708 #
Total	Aroclor-1016			141931	49997	5976.224	2437.185
Average	Aroclor-1016					1992.075	812.395
8) L2	Aroclor-1221	5.07	8.02	1057	1238	150.907	202.463 #
9) L2	Aroclor-1221 {2}	5.47	8.56	1575	6165	269.973	1263.994 #
10) L2	Aroclor-1221 {3}	5.64	8.80	14162	6462	700.884	420.911 #
Total	Aroclor-1221			16795	13865	1121.764	1887.368
Average	Aroclor-1221					373.921	629.123
11) L3	Aroclor-1232	5.64	8.80	14162	6462	776.408	450.922 #
12) L3	Aroclor-1232 {2}	6.75	10.32	30177	27165	2211.172	2261.147
13) L3	Aroclor-1232 {3}	8.56	12.24	19084	16370	2305.437	2360.805
Total	Aroclor-1232			63422	49997	5293.017	5072.874
Average	Aroclor-1232					1764.339	1690.958
14) L4	Aroclor-1242	5.64	8.80	14162	6462	595.610	341.378 #
15) L4	Aroclor-1242 {2}	6.75	10.32	30177	27165	712.618	732.032
16) L4	Aroclor-1242 {3}	8.17	11.38	113969	14634	1766.115	919.444 #
17) L4	Aroclor-1242 (4)	8.56	11.66	19084	86974	707.585	1721.835 #
18) L4	Aroclor-1242 (5)	8.88	12.24	35094	16370	1580.438	736.218 #
Total	Aroclor-1242			212485	151606	5362.366	4450.906
Average	Aroclor-1242					1072.473	890.181
19) L5	Aroclor-1248	9.26	14.95	76661	57138	2720.179	2849.640
20) L5	Aroclor-1248 {2}	10.02	15.17	69384	51805	2953.133	2510.999

256

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38.D Vial: 30
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38.D\CONFIRM.D
Acq On : 14 Nov 96 12:02 PM Operator: JS
Sample : VHB / PI2 Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.18	107902	35682	3544.854	2305.816
Total	Aroclor-1248			253947	144625	9218.167	7666.455
Average	Aroclor-1248					3072.722	2555.485
22) L6	Aroclor-1254	13.02	17.17	67228	61072	1938.710	1954.570
23) L6	Aroclor-1254 {2}	13.36	17.56	127107	119635	1766.138	1732.780
24) L6	Aroclor-1254 {3}	13.86	17.99	60037	80535	1786.926	1848.407
25) L6	Aroclor-1254 (4)	14.20	18.51	85591	50278	1829.580	1792.269
26) L6	Aroclor-1254 (5)	15.75	20.04	100627	83354	1866.695	1901.279
Total	Aroclor-1254			440590	394875	9188.049	9229.305
Average	Aroclor-1254					1837.610	1845.861
27) L7	Aroclor-1260	13.86	18.19	60037	43133	1735.083	1327.665
28) L7	Aroclor-1260 {2}	14.64	18.51	52783	50278	1330.191	1368.220
29) L7	Aroclor-1260 {3}	17.84	21.92	22633	20470	409.766	378.056
Total	Aroclor-1260			135453	113881	3475.040	3073.941
Average	Aroclor-1260					1158.347	1024.647
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	23.54	0	3412	N.D.	NoCal
32) L8	Aroclor-1268 {3}	0.00	28.14f	0	2912	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

MRL = 190/380

257

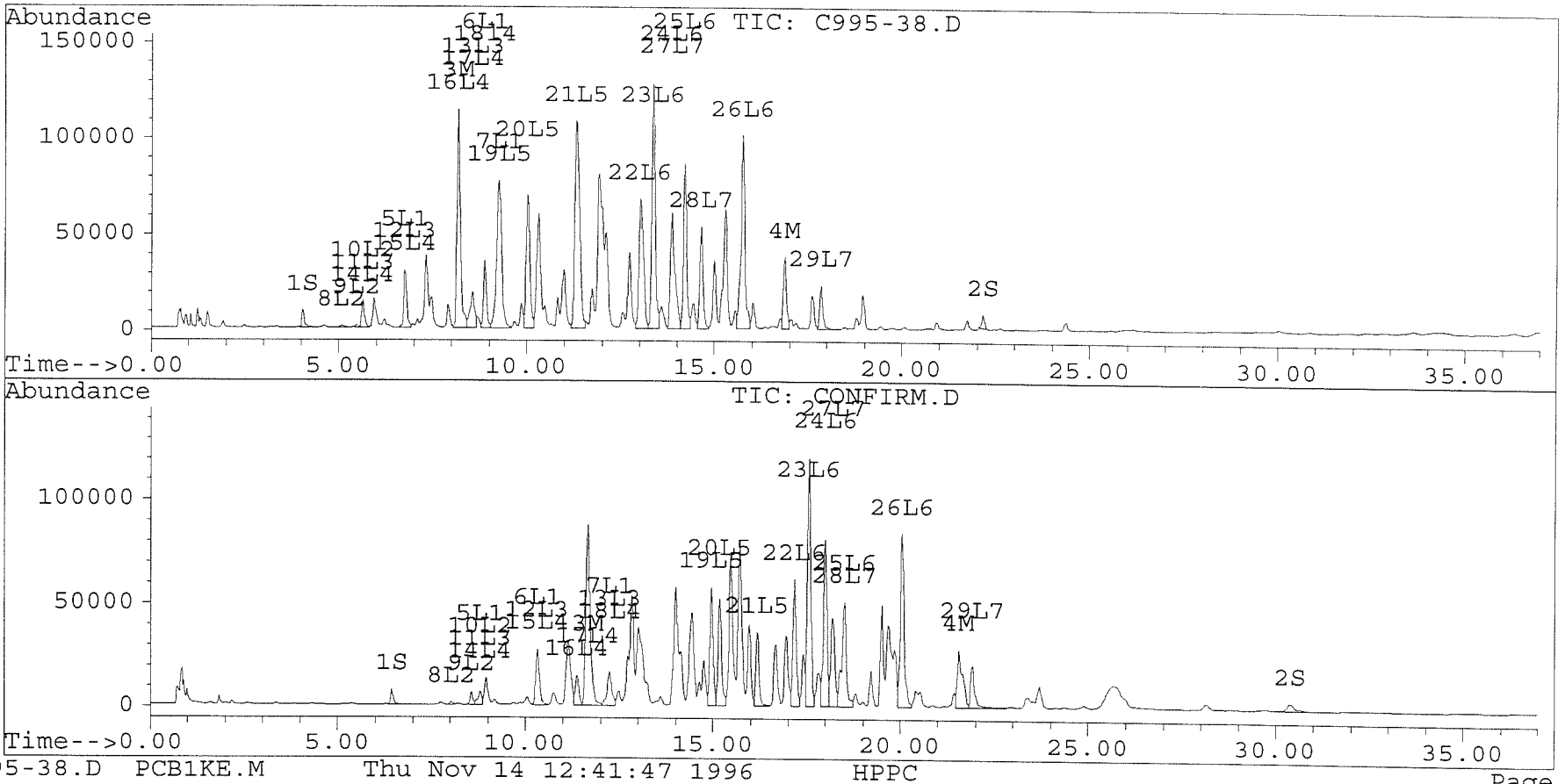
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-38.D Vial: 30
Signal #2 : D:\HPCHEM\5\13NOV96\C995-38.D\CONFIRM.D
Acq On : 14 Nov 96 12:02 PM Operator: JS
Sample : VHB / PI2 Inst : ECD1
Misc : 15.0G/25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 12:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-39.D Vial: 31
Signal #2 : D:\HPCHEM\5\13NOV96\C995-39.D\CONFIRM.D
Acq On : 14 Nov 96 12:42 PM Operator: JS
Sample : VHB / PI3 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 13:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.44	8642	6916	34.667	35.419	
					Recovery	=	86.67%	88.55%	
2)	S	Decachlorobiphenyl	22.16	30.38	6232	2975	30.632	30.628	
					Recovery	=	76.58%	76.57%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.18	11.66	18695	13595	173.008	140.462	
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	2748	2153	14.693	12.735	
5)	L1	Aroclor-1016	6.76	8.80	3510	644	109.546	50.593	#
6)	L1	Aroclor-1016 {2}	8.88	10.32	5475	3277	321.912	116.292	#
7)	L1	Aroclor-1016 {3}	9.27	12.24	11168	2374	432.824	140.057	#
	Total	Aroclor-1016			20153	6296	864.282	306.941	
	Average	Aroclor-1016					288.094	102.314	
8)	L2	Aroclor-1221	5.05	8.02	65	727	9.239	118.902	#
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	2015	N.D.	413.114	#
10)	L2	Aroclor-1221 {3}	5.63	8.80	3091	644	152.954	41.952	#
	Total	Aroclor-1221			3155	3386	162.193	573.968	
	Average	Aroclor-1221					81.096	191.323	
11)	L3	Aroclor-1232	5.63	8.80	3091	644	169.435	44.944	#
12)	L3	Aroclor-1232 {2}	6.76	10.32	3510	3277	257.171	272.806	
13)	L3	Aroclor-1232 {3}	8.56	12.24	2529	2374	305.505	342.388	
	Total	Aroclor-1232			9129	6296	732.111	660.138	
	Average	Aroclor-1232					244.037	220.046	
14)	L4	Aroclor-1242	5.63	8.80	3091	644	129.980	34.025	#
15)	L4	Aroclor-1242 {2}	6.76	10.32	3510	3277	82.881	88.319	
16)	L4	Aroclor-1242 {3}	8.18	11.38	18695	1631	289.708	102.464	#
17)	L4	Aroclor-1242 (4)	8.56	11.66	2529	13595	93.766	269.147	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	5475	2374	246.577	106.774	#
	Total	Aroclor-1242			33300	21522	842.912	600.730	
	Average	Aroclor-1242					168.582	120.146	
19)	L5	Aroclor-1248	9.27	14.96	11168	6288	396.278	313.616	
20)	L5	Aroclor-1248 {2}	10.02	15.17	9924	6551	422.375	317.509	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-39.D PCB1KE.M Thu Nov 14 13:21:40 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\C995-39.D Vial: 31
Signal #2 : D:\HPCHEM\5\13NOV96\C995-39.D\CONFIRM.D
Acq On : 14 Nov 96 12:42 PM Operator: JS
Sample : VHB / PI3 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 13:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.18	11684	4106	383.851	265.358 #
Total Aroclor-1248			32776	16945	1202.505	896.484
Average Aroclor-1248					400.835	298.828
22) L6 Aroclor-1254	13.02	17.17	5203	4642	150.037	148.550
23) L6 Aroclor-1254 {2}	13.36	17.56	11297	10262	156.974	148.630
24) L6 Aroclor-1254 {3}	13.86	17.99	5586	6722	166.271	154.285
25) L6 Aroclor-1254 (4)	14.20	18.51	7415	4573	158.506	163.001
26) L6 Aroclor-1254 (5)	15.75	20.04	8405	6733	155.914	153.575
Total Aroclor-1254			37906	32931	787.702	768.042
Average Aroclor-1254					157.540	153.608
27) L7 Aroclor-1260	13.86	18.19	5586	4044	161.447	124.472
28) L7 Aroclor-1260 {2}	14.64	18.51	5012	4573	126.310	124.435
29) L7 Aroclor-1260 {3}	17.85	21.92	2051	2116	37.125	39.075
Total Aroclor-1260			12649	10732	324.881	287.982
Average Aroclor-1260					108.294	95.994
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	261	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$$\frac{536 \times \frac{5}{2} \times 25}{15.1 \times 0.89} = 249$$

AR 1254 =

$$\frac{768 \times 25}{15.1 \times 0.89} = 143$$

MRL = 190 | 370 260

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\PS1113O.D Vial: 2
Signal #2 : D:\HPCHEM\5\13NOV96\PS1113O.D\CONFIRM.D
Acq On : 14 Nov 96 02:03 PM Operator: JS
Sample : AR1254 1.0 UG/ML Inst : ECD1
Misc : 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 14 14:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.30	16.18	11480	791	377.145	51.141 #
Total Aroclor-1248			20794	5689	729.318	293.777
Average Aroclor-1248					243.106	97.926
22) L6 Aroclor-1254	13.02	17.17	7257	6401	209.265	204.849
23) L6 Aroclor-1254 {2}	13.36	17.56	15245	14241	211.822	206.261
24) L6 Aroclor-1254 {3}	13.86	17.99	7012	8843	208.706	202.960
25) L6 Aroclor-1254 (4)	14.20	18.51	9431	5701	201.595	203.215
26) L6 Aroclor-1254 (5)	15.75	20.04	11247	8869	208.634	202.309
Total Aroclor-1254			50191	44055	1040.023	1019.594
Average Aroclor-1254					208.005	203.919
27) L7 Aroclor-1260	13.86	18.19	7012	5294	202.651	162.961
28) L7 Aroclor-1260 {2}	14.64	18.51	6257	5701	157.679	155.135
29) L7 Aroclor-1260 {3}	17.85	21.92	1502	1527	27.187	28.200
Total Aroclor-1260			14771	12522	387.518	346.296
Average Aroclor-1260					129.173	115.432
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13	0	183	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
PS1113O.D PCB1K.M Thu Nov 14 14:39:42 1996 HPPC Page 2

Quantitation Report

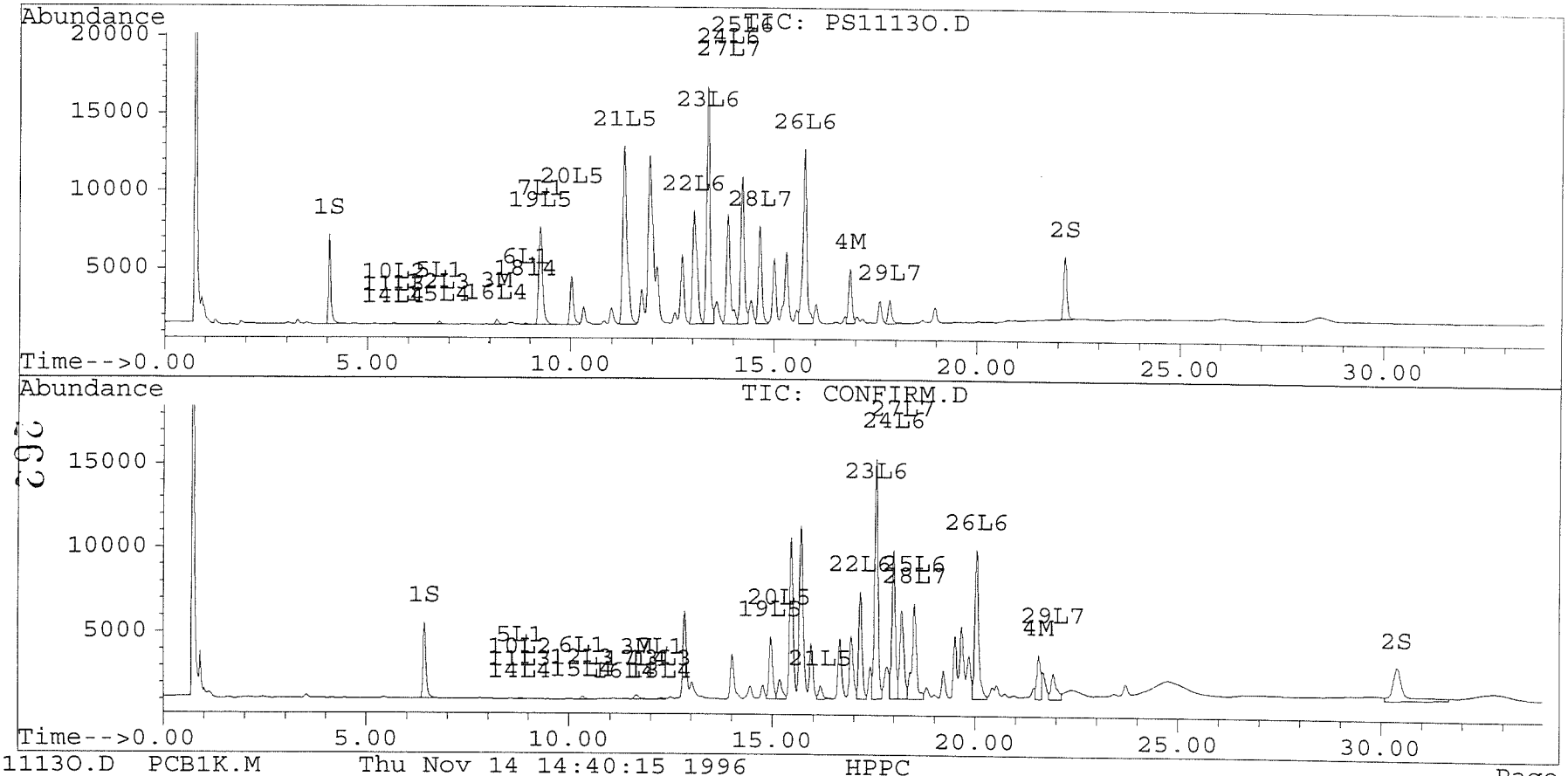
Signal #1 : D:\HPCHEM\5\13NOV96\PS1113O.D
Signal #2 : D:\HPCHEM\5\13NOV96\PS1113O.D\CONFIRM.D
Acq On : 14 Nov 96 02:03 PM
Sample : AR1254 1.0 UG/ML
Misc : 8080 ANALYSIS PCB
Quant Time: Nov 14 14:39 1996

Vial: 2
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-B2.D Vial: 8
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-B2.D\CONFIRM.D
Acq On : 13 Nov 96 02:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	9002	7319	36.111	37.480
					Recovery	=	90.28% ✓	93.70%
2)	S	Decachlorobiphenyl	22.16	30.39	6975	2849	34.283	29.332
					Recovery	=	85.71% ✓	73.33%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.58	1027	50	5.492	0.298 #
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 (2)	0.00	0.00	0	0	N.D.	N.D.
7)	L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13)	L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.	N.D.
16)	L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.	N.D.
17)	L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.	N.D.
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20)	L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1109-B2.D PCB1K.M Wed Nov 13 15:06:10 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-B2.D Vial: 8
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-B2.D\CONFIRM.D
Acq On : 13 Nov 96 02:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	0.00	167	0	5.485	N.D. #
Total Aroclor-1248			167	0	5.485	N.D.
Average Aroclor-1248					5.485	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	N.D.
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	23.28	0	38	N.D.	8.879 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	38	N.D.	8.879
Average Aroclor-1268					0.000	8.879

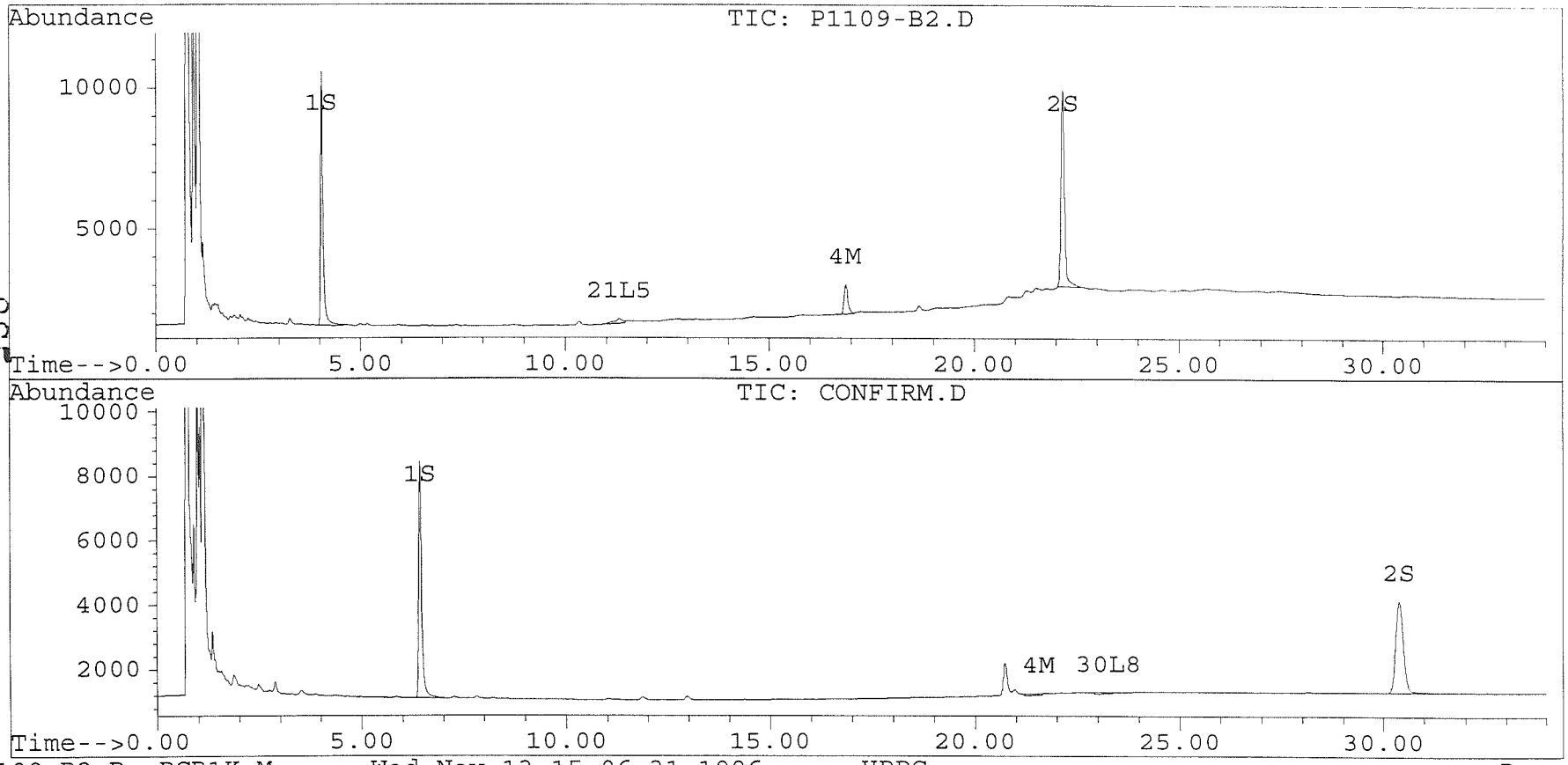
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-B2.D Vial: 8
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-B2.D\CONFIRM.D
Acq On : 13 Nov 96 02:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109L2A.D Vial: 32
Signal #2 : D:\HPCHEM\5\13NOV96\P1109L2A.D\CONFIRM.D
Acq On : 13 Nov 96 04:23 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 17:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	4278	3368	17.163	17.249
				Recovery	=	42.91%	43.12%
2) S	Decachlorobiphenyl	22.16	30.39	3672	1593	18.047	16.403
				Recovery	=	45.12%	41.01%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.67	47245	43489	437.213	449.309
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	79798	72488	426.724	428.834
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 (2)	8.90	0.00	128	0	7.534	N.D. #
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			128	0	7.534	N.D.
Average	Aroclor-1016					7.534	0.000
8) L2	Aroclor-1221	5.04	8.01	87	61	12.348	9.959
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			87	61	12.348	9.959
Average	Aroclor-1221					12.348	9.959
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.	N.D.
16) L4	Aroclor-1242 (3)	8.18	11.36	47245	27	732.128	1.676 #
17) L4	Aroclor-1242 (4)	0.00	11.67	0	43489	N.D.	860.945 #
18) L4	Aroclor-1242 (5)	8.90	0.00	128	0	5.771	N.D. #
Total	Aroclor-1242			47373	43515	737.899	862.620
Average	Aroclor-1242					368.949	431.310
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	10.05	15.20	99	72	4.204	3.498

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1109L2A.D PCB1KE.M Wed Nov 13 17:02:10 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109L2A.D Vial: 32
Signal #2 : D:\HPCHEM\5\13NOV96\P1109L2A.D\CONFIRM.D
Acq On : 13 Nov 96 04:23 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 17:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

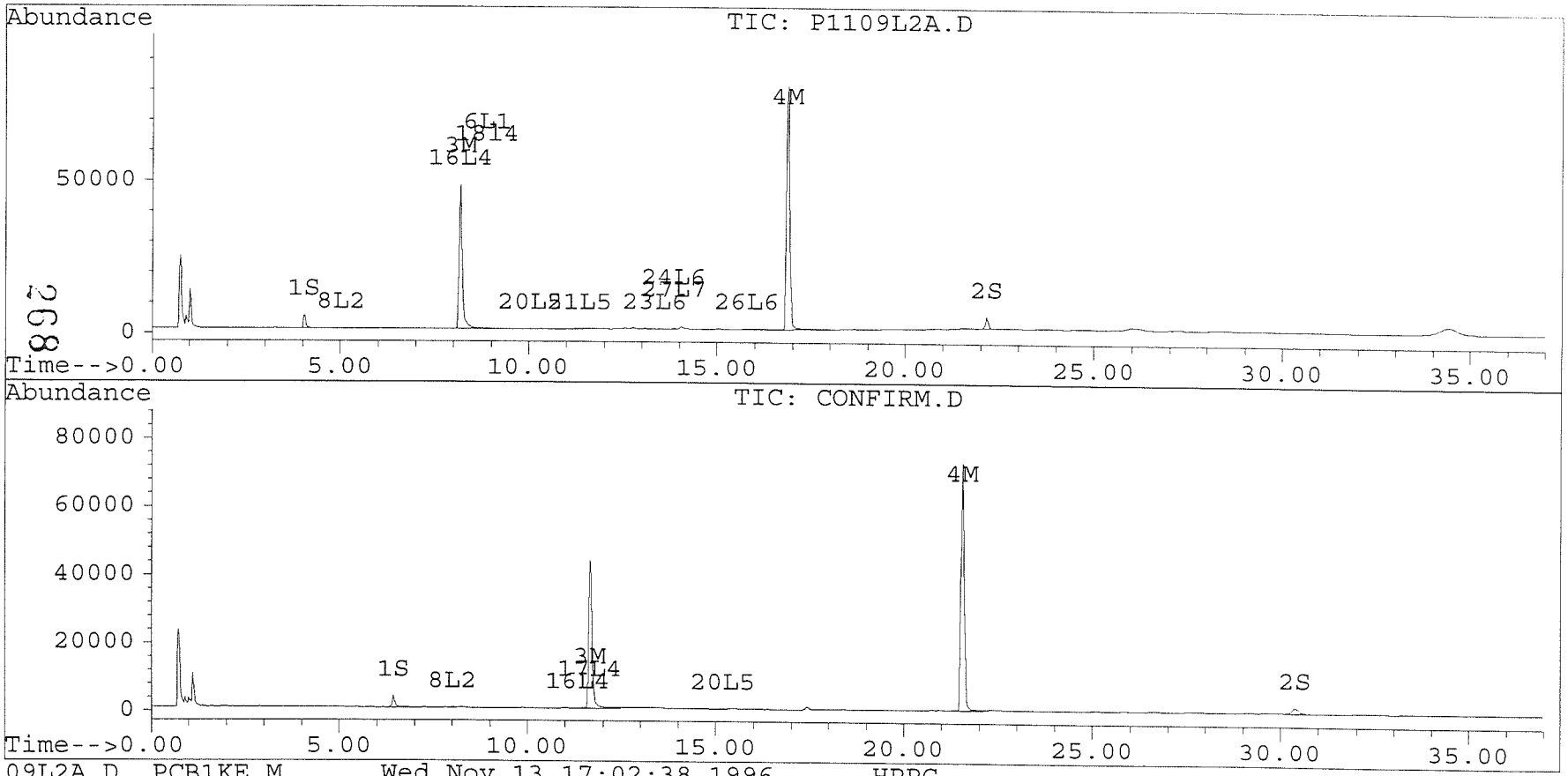
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
21) L5	Aroclor-1248 {3}	11.37f	0.00	91	0	2.997	N.D.	#
Total	Aroclor-1248			190	72	7.201	3.498	
Average	Aroclor-1248					3.601	3.498	
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.	
23) L6	Aroclor-1254 {2}	13.36	0.00	95	0	1.326	N.D.	#
24) L6	Aroclor-1254 {3}	13.85	0.00	240	0	7.149	N.D.	#
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.	
26) L6	Aroclor-1254 (5)	15.80f	0.00	166	0	3.074	N.D.	#
Total	Aroclor-1254			501	0	11.549	N.D.	
Average	Aroclor-1254					3.850	0.000	
27) L7	Aroclor-1260	13.85	0.00	240	0	6.941	N.D.	#
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.	
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1260			240	0	6.941	N.D.	
Average	Aroclor-1260					6.941	0.000	
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.	
31) L8	Aroclor-1268 {2}	18.98	23.48f	66	114	NoCal	NoCal	
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109L2A.D Vial: 32
Signal #2 : D:\HPCHEM\5\13NOV96\P1109L2A.D\CONFIRM.D
Acq On : 13 Nov 96 04:23 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 17:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-L2.D Vial: 9
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-L2.D\CONFIRM.D
Acq On : 13 Nov 96 03:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	9103	7371	36.515	37.748
					Recovery	=	91.29%	94.37%
2)	S	Decachlorobiphenyl	22.16	30.39	7011	2898	34.458	29.837
					Recovery	=	86.15%	74.59%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.67	87406	81195	808.871	838.880
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	149140	136640	797.536	808.348
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	5.04	8.01	168	116	23.918	18.928
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			168	116	23.918	18.928
		Average Aroclor-1221					23.918	18.928
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16)	L4	Aroclor-1242 {3}	8.18	11.35	87406	18	1354.483	1.156 #
17)	L4	Aroclor-1242 (4)	0.00	11.67	0	81195	N.D.	1607.423 #
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1242			87406	81214	1354.483	1608.579
		Average Aroclor-1242					1354.483	804.290
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20)	L5	Aroclor-1248 {2}	0.00	15.19	0	31	N.D.	1.492 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-L2.D Vial: 9
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-L2.D\CONFIRM.D
Acq On : 13 Nov 96 03:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.37	0.00	97	0	3.173	N.D. #
Total	Aroclor-1248			97	31	3.173	1.492
Average	Aroclor-1248					3.173	1.492
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6	Aroclor-1254 {3}	13.85	0.00	464	0	13.825	N.D. #
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			464	0	13.825	N.D.
Average	Aroclor-1254					13.825	0.000
27) L7	Aroclor-1260	13.85	0.00	464	0	13.424	N.D. #
28) L7	Aroclor-1260 {2}	14.62	0.00	23	0	0.575	N.D. #
29) L7	Aroclor-1260 {3}	17.84	0.00	55	0	0.999	N.D. #
Total	Aroclor-1260			542	0	14.998	N.D.
Average	Aroclor-1260					4.999	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	18.98f	0.00	94	0	NoCal	N.D.
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

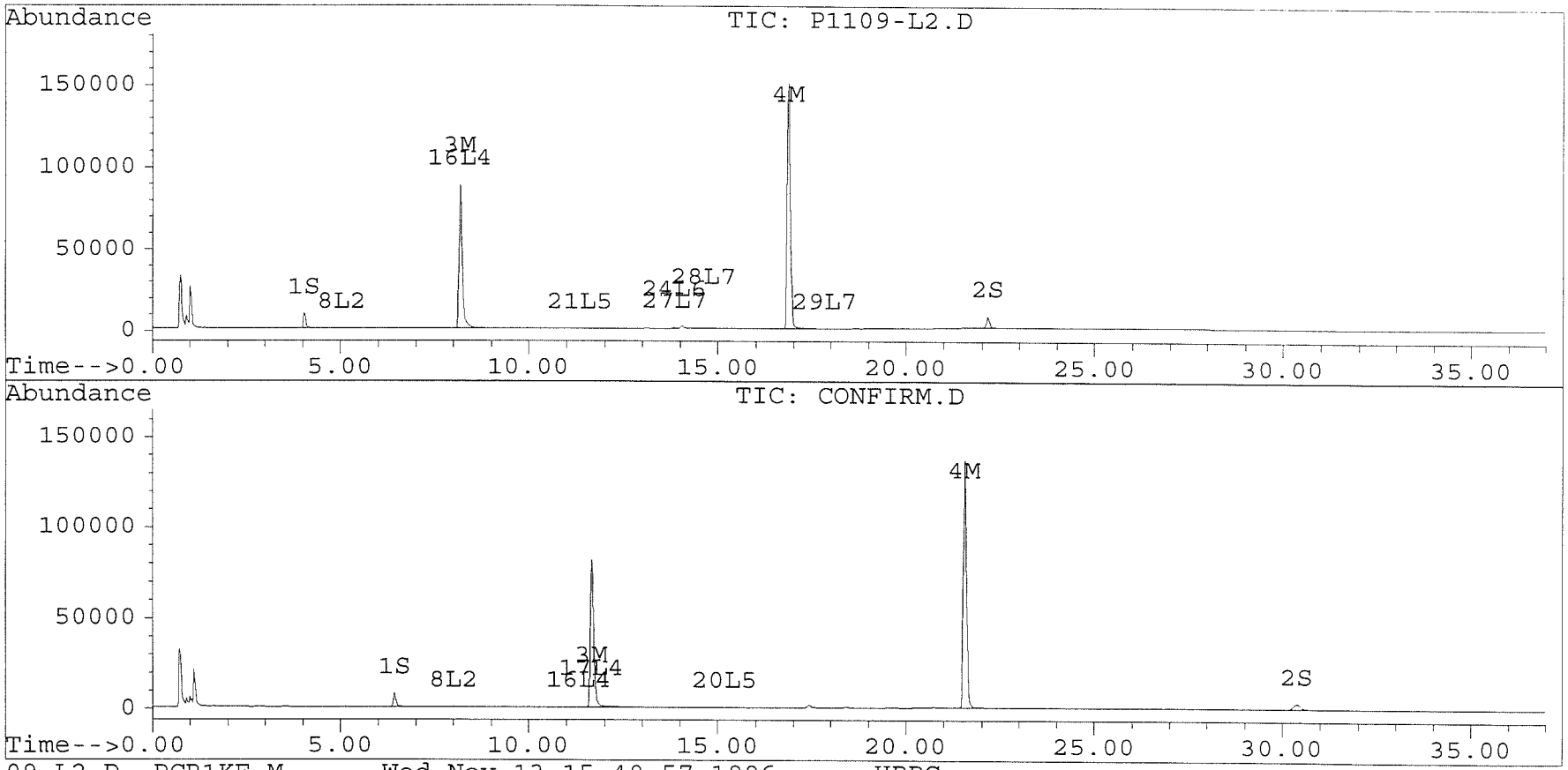
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\13NOV96\P1109-L2.D Vial: 9
Signal #2 : D:\HPCHEM\5\13NOV96\P1109-L2.D\CONFIRM.D
Acq On : 13 Nov 96 03:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 13 15:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



QC Batch: P1113-B1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-40A.D Vial: 35
Signal #2 : D:\HPCHEM\5\18NOV96\C995-40A.D\CONFIRM.D
Acq On : 19 Nov 96 08:13 PM Operator: JS
Sample : VHB / PJ1 5X DILUTION Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 20:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Use this

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	1618	1396	6.491	7.151
				Recovery	=	16.23%	17.88%
2) S	Decachlorobiphenyl	22.16	30.38	1425	726	7.006	7.477
				Recovery	=	17.52%	18.69%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	50265	38360	465.163	396.327
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	4808	3407	25.712	20.158
5) L1	Aroclor-1016	6.75	8.79	13942	2865	435.163	225.029 #
6) L1	Aroclor-1016 {2}	8.88	10.32	16332	12588	960.201	446.665 #
7) L1	Aroclor-1016 {3}	9.27	12.24	27309	8457	1058.381	498.876 #
Total	Aroclor-1016			57583	23910	2453.745	1170.570
Average	Aroclor-1016					817.915	390.190
8) L2	Aroclor-1221	5.05	8.02	357	444	50.947	72.664 #
9) L2	Aroclor-1221 {2}	5.47	8.56	725	2036	124.252	417.363 #
10) L2	Aroclor-1221 {3}	5.63	8.79	5000	2865	247.454	186.599
Total	Aroclor-1221			6082	5345	422.653	676.626
Average	Aroclor-1221					140.884	225.542
11) L3	Aroclor-1232	5.63	8.79	5000	2865	274.118	199.904 #
12) L3	Aroclor-1232 {2}	6.75	10.32	13942	12588	1021.591	1047.824
13) L3	Aroclor-1232 {3}	8.55	12.24	10102	8457	1220.433	1219.569
Total	Aroclor-1232			29044	23910	2516.143	2467.297
Average	Aroclor-1232					838.714	822.432
14) L4	Aroclor-1242	5.63	8.79	5000	2865	210.286	151.340 #
15) L4	Aroclor-1242 {2}	6.75	10.32	13942	12588	329.239	339.226
16) L4	Aroclor-1242 {3}	8.17	11.37	50265	6567	778.933	412.603 #
17) L4	Aroclor-1242 (4)	8.55	11.66	10102	38360	374.576	759.424 #
18) L4	Aroclor-1242 (5)	8.88	12.24	16332	8457	735.492	380.323 #
Total	Aroclor-1242			95641	68837	2428.525	2042.917
Average	Aroclor-1242					485.705	408.583
19) L5	Aroclor-1248	9.27	14.95	27309	17056	969.015	850.608
20) L5	Aroclor-1248 {2}	10.01	15.17	24934	19040	1061.247	922.900

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-40A.D Vial: 35
Signal #2 : D:\HPCHEM\5\18NOV96\C995-40A.D\CONFIRM.D
Acq On : 19 Nov 96 08:13 PM Operator: JS
Sample : VHB /~PJ1 5X DILUTION Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 20:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.17	28724	13350	943.656	862.681
Total Aroclor-1248			80967	49446	2973.918	2636.189
Average Aroclor-1248					991.306	878.730
22) L6 Aroclor-1254	13.02	17.17	11243	10017	324.218	320.592
23) L6 Aroclor-1254 {2}	13.36	17.56	22657	21304	314.812	308.569
24) L6 Aroclor-1254 {3}	13.85	17.99	10884	13029	323.958	299.047
25) L6 Aroclor-1254 (4)	14.20	18.50	14051	8190	300.349	291.941
26) L6 Aroclor-1254 (5)	15.75	20.04	15100	12036	280.110	274.532
Total Aroclor-1254			73934	64576	1543.447	1494.680
Average Aroclor-1254					308.689	298.936
27) L7 Aroclor-1260	13.85	18.19	10884	7310	314.559	224.995 #
28) L7 Aroclor-1260 {2}	14.64	18.50	8915	8190	224.658	222.868
29) L7 Aroclor-1260 {3}	17.84	21.92	3210	3002	58.124	55.449
Total Aroclor-1260			23009	18502	597.341	503.312
Average Aroclor-1260					199.114	167.771
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	291	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - use 2 pts

$$\frac{1514 \times \frac{5}{2} \times 25 \times 5}{15.1 \times 0.92} = 34,430$$

AR1254 =

$$\frac{1495 \times 25 \times 5}{15.1 \times 0.92} = 13,450$$

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Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-40.D Vial: 10
Signal #2 : D:\HPCHEM\5\18NOV96\C995-40.D\CONFIRM.D
Acq On : 18 Nov 96 11:39 PM Operator: JS
Sample : VHB / PJ1 Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 0:15 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9605	8311	38.532	42.563
					Recovery	=	96.33%	106.41%
2)	S	Decachlorobiphenyl	22.16	30.37	6463	3174	31.766	32.678
					Recovery	=	79.41%	81.69%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.16	11.65	195252	146273	1806.896	1511.247
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	23510	17016	125.719	100.667
5)	L1	Aroclor-1016	6.75	8.79	53779	12201	1678.544	958.460 #
6)	L1	Aroclor-1016 {2}	8.87	10.31	69562	49194	4089.833	1745.532
7)	L1	Aroclor-1016 {3}	9.27	12.24	103828	34914	4023.915	2059.661
	Total	Aroclor-1016			227168	96310	9792.292	4763.653
Average		Aroclor-1016					3264.097	1587.884
8)	L2	Aroclor-1221	5.05	8.02	1691	2206	241.362	360.759 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	3320	10690	569.013	2191.725 #
10)	L2	Aroclor-1221 {3}	5.63	8.79	23131	12201	1144.779	794.776 #
	Total	Aroclor-1221			28142	25098	1955.154	3347.260
Average		Aroclor-1221					651.718	1115.753
11)	L3	Aroclor-1232	5.63	8.79	23131	12201	1268.136	851.445 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	53779	49194	3940.564	4094.809
13)	L3	Aroclor-1232 {3}	8.55	12.24	41649	34914	5031.476	5035.122
	Total	Aroclor-1232			118559	96310	10240.176	9981.377
Average		Aroclor-1232					3413.392	3327.126
14)	L4	Aroclor-1242	5.63	8.79	23131	12201	972.832	644.600 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	53779	49194	1269.967	1325.669
16)	L4	Aroclor-1242 {3}	8.16	11.37	195252	28785	3025.712	1808.470
17)	L4	Aroclor-1242 (4)	8.55	11.65	41649	146273	1544.262	2895.780
18)	L4	Aroclor-1242 (5)	8.87	12.24	69562	34914	3132.719	1570.205
	Total	Aroclor-1242			383373	271368	9945.491	8244.723
Average		Aroclor-1242					1989.098	1648.945
19)	L5	Aroclor-1248	9.27	14.95	103828	68066	3684.149	3394.603
20)	L5	Aroclor-1248 {2}	10.01	15.16	98343	75926	4185.660	3680.190

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

Signal #1 : D:\HPCHEM\5\18NOV96\C995-40.D Vial: 10
Signal #2 : D:\HPCHEM\5\18NOV96\C995-40.D\CONFIRM.D
Acq On : 18 Nov 96 11:39 PM Operator: JS
Sample : VHB / PJ1 Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 0:15 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.17	112979	58211	3711.665	3761.678
Total Aroclor-1248			315150	202203	11581.474	10836.471
Average Aroclor-1248					3860.491	3612.157
22) L6 Aroclor-1254	13.02	17.17	51092	46486	1473.367	1487.748
23) L6 Aroclor-1254 {2}	13.36	17.55	93383	90048	1297.552	1304.245
24) L6 Aroclor-1254 {3}	13.85	17.98	45386	51444	1350.872	1180.729
25) L6 Aroclor-1254 (4)	14.19	18.50	57326	35068	1225.393	1250.088
26) L6 Aroclor-1254 (5)	15.74	20.04	66411	54817	1231.973	1250.352
Total Aroclor-1254			313599	277864	6579.156	6473.162
Average Aroclor-1254					1315.831	1294.632
27) L7 Aroclor-1260	13.85	18.18	45386	32705	1311.679	1006.704
28) L7 Aroclor-1260 {2}	14.63	18.50	37119	35068	935.444	954.319
29) L7 Aroclor-1260 {3}	17.84	21.92	15249	14587	276.076	269.401
Total Aroclor-1260			97754	82361	2523.199	2230.423
Average Aroclor-1260					841.066	743.474
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13f	0	1132	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 180/360

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-41A.D Vial: 36
Signal #2 : D:\HPCHEM\5\18NOV96\C995-41A.D\CONFIRM.D
Acq On : 19 Nov 96 08:54 PM Operator: JS
Sample : VHB / PJ2 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 21:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Use this

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.04	6.44	4241	3704	17.013	18.969
Recovery				=	42.53% 85%	47.42%
2) S Decachlorobiphenyl	22.16	30.38	3815	1849	18.751	19.037
Recovery				=	46.88% 94%	47.59%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.17	11.66	75339	57975	697.205	598.976
4) M 2,2',3,3',4,4'-Hexa	16.86	21.56	6999	4779	37.425	28.273
5) L1 Aroclor-1016	6.75	8.79	15721	2135	490.691	167.721 #
6) L1 Aroclor-1016 {2}	8.88	10.32	26501	14464	1558.097	513.201 #
7) L1 Aroclor-1016 {3}	9.27	12.24	41392	9710	1604.189	572.831 #
Total Aroclor-1016			83614	26309	3652.977	1253.753
Average Aroclor-1016					1217.659	417.918
8) L2 Aroclor-1221	5.05	8.02	272	586	38.813	95.783 #
9) L2 Aroclor-1221 {2}	5.47	8.56	589	1224	101.022	251.031 #
10) L2 Aroclor-1221 {3}	5.65	8.79	4409	2135	218.199	139.078 #
Total Aroclor-1221			5270	3945	358.034	485.891
Average Aroclor-1221					119.345	161.964
11) L3 Aroclor-1232	5.65	8.79	4409	2135	241.711	148.994 #
12) L3 Aroclor-1232 {2}	6.75	10.32	15721	14464	1151.950	1203.907
13) L3 Aroclor-1232 {3}	8.55	12.24	11392	9710	1376.239	1400.364
Total Aroclor-1232			31522	26309	2769.900	2753.266
Average Aroclor-1232					923.300	917.755
14) L4 Aroclor-1242	5.65	8.79	4409	2135	185.425	112.798 #
15) L4 Aroclor-1242 {2}	6.75	10.32	15721	14464	371.251	389.757
16) L4 Aroclor-1242 {3}	8.17	11.37	75339	8396	1167.495	527.502 #
17) L4 Aroclor-1242 (4)	8.55	11.66	11392	57975	422.396	1147.731 #
18) L4 Aroclor-1242 (5)	8.88	12.24	26501	9710	1193.466	436.704 #
Total Aroclor-1242			133362	92680	3340.033	2614.493
Average Aroclor-1242					668.007	522.899
19) L5 Aroclor-1248	9.27	14.95	41392	23237	1468.737	1158.913
20) L5 Aroclor-1248 {2}	10.01	15.17	39175	26941	1667.386	1305.837

(f)=RT Delta > 1/2 Window (#)=Amounts differ by >25% (m)=manual int.
C995-41A.D PCB1KE.M Tue Nov 19 21:33:25 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-41A.D Vial: 36
Signal #2 : D:\HPCHEM\5\18NOV96\C995-41A.D\CONFIRM.D
Acq On : 19 Nov 96 08:54 PM Operator: JS
Sample : VHB / PJ2 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 21:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.32	16.17	38799	18329	1274.644	1184.461
Total Aroclor-1248			119367	68508	4410.767	3649.211
Average Aroclor-1248					1470.256	1216.404
22) L6 Aroclor-1254	13.02	17.17	15328	13574	442.018	434.430
23) L6 Aroclor-1254 (2)	13.36	17.55	30439	28029	422.947	405.971
24) L6 Aroclor-1254 (3)	13.85	17.99	14495	18173	431.417	417.108
25) L6 Aroclor-1254 (4)	14.20	18.50	19211	10851	410.662	386.823
26) L6 Aroclor-1254 (5)	15.74	20.04	20584	16632	381.846	379.374
Total Aroclor-1254			100057	87260	2088.890	2023.706
Average Aroclor-1254					417.778	404.741
27) L7 Aroclor-1260	13.85	18.18	14495	9929	418.901	305.638 #
28) L7 Aroclor-1260 (2)	14.64	18.50	11712	10851	295.156	295.301
29) L7 Aroclor-1260 (3)	17.84	21.92	4766	4505	86.286	83.195
Total Aroclor-1260			30973	25286	800.343	684.135
Average Aroclor-1260					266.781	228.045
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	23.54	0	867	N.D.	NoCal
32) L8 Aroclor-1268 (3)	0.00	28.13f	0	608	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$$\frac{2360 \times \frac{5}{2} \times 25 \times 2}{15.0 \times 0.91} = 21600$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-41.D Vial: 11
Signal #2 : D:\HPCHEM\5\18NOV96\C995-41.D\CONFIRM.D
Acq On : 19 Nov 96 00:17 AM Operator: JS
Sample : VHB / PJ2 Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 0:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9747	8416	39.100	43.100
					Recovery	=	97.75%	107.75%
2)	S	Decachlorobiphenyl	22.16	30.38	6454	3307	31.722	34.046
					Recovery	=	79.31%	85.11%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	129247	99034	1196.076	1023.180
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	12674	8804	67.777	52.083
5)	L1	Aroclor-1016	6.75	8.79	28011	3978	874.290	312.505 #
6)	L1	Aroclor-1016 {2}	8.88	10.31	47732	25998	2806.373	922.481 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	72209	17521	2798.488	1033.568
		Total Aroclor-1016			147952	47497	6479.151	2268.553
		Average Aroclor-1016					2159.717	756.184
8)	L2	Aroclor-1221	5.05	8.02	526	1194	75.038	195.244 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	1147	2434	196.596	499.077 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	8217	3978	406.662	259.136 #
		Total Aroclor-1221			9890	7606	678.296	953.457
		Average Aroclor-1221					226.099	317.819
11)	L3	Aroclor-1232	5.64	8.79	8217	3978	450.482	277.613 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	28011	25998	2052.490	2164.029
13)	L3	Aroclor-1232 {3}	8.55	12.24	20440	17521	2469.344	2526.696
		Total Aroclor-1232			56669	47497	4972.316	4968.339
		Average Aroclor-1232					1657.439	1656.113
14)	L4	Aroclor-1242	5.64	8.79	8217	3978	345.581	210.171 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	28011	25998	661.478	700.591
16)	L4	Aroclor-1242 {3}	8.17	11.37	129247	16080	2002.872	1010.292
17)	L4	Aroclor-1242 (4)	8.55	11.66	20440	99034	757.892	1960.571 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	47732	17521	2149.618	787.951 #
		Total Aroclor-1242			233648	162611	5917.439	4669.576
		Average Aroclor-1242					1183.488	933.915
19)	L5	Aroclor-1248	9.27	14.95	72209	40488	2562.193	2019.248
20)	L5	Aroclor-1248 {2}	10.01	15.16	68623	46333	2920.710	2245.783

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-41.D PCB1K.M Tue Nov 19 00:53:08 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-41.D Vial: 11
Signal #2 : D:\HPCHEM\5\18NOV96\C995-41.D\CONFIRM.D
Acq On : 19 Nov 96 00:17 AM Operator: JS
Sample : VHB / PJ2 Inst : ECD1
Misc : 15.0G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 0:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.17	66213	32237	2175.263	2083.205
Total Aroclor-1248			207044	119058	7658.166	6348.236
Average Aroclor-1248					2552.722	2116.079
22) L6 Aroclor-1254	13.02	17.17	28156	25755	811.949	824.255
23) L6 Aroclor-1254 {2}	13.36	17.55	53351	50600	741.303	732.889
24) L6 Aroclor-1254 {3}	13.85	17.99	25430	29385	756.904	674.437
25) L6 Aroclor-1254 (4)	14.20	18.50	32221	19460	688.750	693.679
26) L6 Aroclor-1254 (5)	15.74	20.04	36708	29996	680.962	~~684.202~~
Total Aroclor-1254			175866	155196	3679.869	3609.462
Average Aroclor-1254					735.974	721.892
27) L7 Aroclor-1260	13.85	18.18	25430	18817	734.945	579.217
28) L7 Aroclor-1260 {2}	14.64	18.50	20398	19460	514.052	529.555
29) L7 Aroclor-1260 {3}	17.84	21.92	8516	8110	154.185	149.790
Total Aroclor-1260			54344	46387	1403.181	1258.563
Average Aroclor-1260					467.727	419.521
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.53	0	1410	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.13	0	1076	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254= $\frac{3609 \times 25}{15 \times 0.91} = 6600$

280 180/370

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42A.D Vial: 37
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42A.D\CONFIRM.D
Acq On : 19 Nov 96 11:30 PM Operator: JS
Sample : VHB / PJ3 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 0:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	4337	3606	17.397	18.468
					Recovery		=87% 43.49%	46.17%
2)	S	Decachlorobiphenyl	22.16	30.37	3373	1688	16.578	17.383
					Recovery		=83% 41.45%	43.46%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	83554	64974	773.225	671.287
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	9513	6512	50.869	38.526
5)	L1	Aroclor-1016	6.75	8.79	13776	1639	429.978	128.733 #
6)	L1	Aroclor-1016 {2}	8.88	10.31	27454	12841	1614.160	455.617 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	47649	8925	1846.669	526.471 #
	Total	Aroclor-1016			88879	23404	3890.806	1110.821
	Average	Aroclor-1016					1296.935	370.274
8)	L2	Aroclor-1221	5.05	8.02	177	455	25.271	74.431 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	395	1492	67.661	305.919 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	3752	1639	185.707	106.748 #
	Total	Aroclor-1221			4324	3586	278.639	487.099
	Average	Aroclor-1221					92.880	162.366
11)	L3	Aroclor-1232	5.64	8.79	3752	1639	205.718	114.359 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	13776	12841	1009.419	1068.822
13)	L3	Aroclor-1232 {3}	8.55	12.24	11107	8925	1341.798	1287.031
	Total	Aroclor-1232			28635	23404	2556.935	2470.213
	Average	Aroclor-1232					852.312	823.404
14)	L4	Aroclor-1242	5.64	8.79	3752	1639	157.813	86.578 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	13776	12841	325.316	346.024
16)	L4	Aroclor-1242 {3}	8.17	11.37	83554	6778	1294.793	425.873 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	11107	64974	411.825	1286.288 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	27454	8925	1236.409	401.361 #
	Total	Aroclor-1242			139644	95156	3426.156	2546.124
	Average	Aroclor-1242					685.231	509.225
19)	L5	Aroclor-1248	9.27	14.95	47649	28545	1690.742	1423.600
20)	L5	Aroclor-1248 {2}	10.01	15.17	46200	32474	1966.347	1574.016

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

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Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42A.D Vial: 37
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42A.D\CONFIRM.D
Acq On : 19 Nov 96 11:30 PM Operator: JS
Sample : VHB /PJ3 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 0:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.17	46707	21494	1534.461	1388.968
Total	Aroclor-1248			140556	82512	5191.551	4386.584
Average	Aroclor-1248					1730.517	1462.195
22) L6	Aroclor-1254	13.02	17.17	19293	17548	556.367	561.606
23) L6	Aroclor-1254 {2}	13.36	17.55	38512	36320	535.118	526.054
24) L6	Aroclor-1254 {3}	13.85	17.99	18494	23436	550.443	537.888
25) L6	Aroclor-1254 (4)	14.20	18.50	24561	14068	525.007	501.486
26) L6	Aroclor-1254 (5)	15.74	20.04	27067	22180	502.102	505.906
Total	Aroclor-1254			127926	113551	2669.036	2632.941
Average	Aroclor-1254					533.807	526.588
27) L7	Aroclor-1260	13.85	18.18	18494	12916	534.473	397.557 #
28) L7	Aroclor-1260 {2}	14.63	18.50	15590	14068	392.873	382.835
29) L7	Aroclor-1260 {3}	17.84	21.92	6511	6173	117.877	114.007
Total	Aroclor-1260			40594	33157	1045.223	894.400
Average	Aroclor-1260					348.408	298.133
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.13f	0	666	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$$\frac{2530 \times \frac{5}{2} \times 2 \times 25}{15.5 \times 0.91} = 22420$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42.D Vial: 12
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42.D\CONFIRM.D
Acq On : 19 Nov 96 00:54 AM Operator: JS
Sample : VHB / PJ3 Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 1:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9336	8102	37.452	41.491
					Recovery	=	93.63%	103.73%
2)	S	Decachlorobiphenyl	22.16	30.37	6637	3472	32.621	35.742
					Recovery	=	81.55%	89.35%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.65	151321	114841	1400.352	1186.499
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	18850	13327	100.801	78.839
5)	L1	Aroclor-1016	6.75	8.79	24944	3099	778.568	243.398 #
6)	L1	Aroclor-1016 {2}	8.88	10.31	51454	23416	3025.179	830.841 #
7)	L1	Aroclor-1016 {3}	9.27	12.23	84922	16662	3291.193	982.922 #
		Total Aroclor-1016			161320	43176	7094.940	2057.161
		Average Aroclor-1016					2364.980	685.720
8)	L2	Aroclor-1221	5.05	8.02	343	939	49.017	153.486 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	764	3071	130.923	629.604 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	7256	3099	359.097	201.831 #
		Total Aroclor-1221			8363	7108	539.037	984.920
		Average Aroclor-1221					179.679	328.307
11)	L3	Aroclor-1232	5.64	8.79	7256	3099	397.791	216.222 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	24944	23416	1827.772	1949.053
13)	L3	Aroclor-1232 {3}	8.55	12.23	20549	16662	2482.439	2402.886
		Total Aroclor-1232			52749	43176	4708.002	4568.162
		Average Aroclor-1232					1569.334	1522.721
14)	L4	Aroclor-1242	5.64	8.79	7256	3099	305.160	163.694 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	24944	23416	589.056	630.994
16)	L4	Aroclor-1242 {3}	8.17	11.36	151321	13148	2344.939	826.080 #
17)	L4	Aroclor-1242 (4)	8.55	11.65	20549	114841	761.911	2273.514 #
18)	L4	Aroclor-1242 (5)	8.88	12.23	51454	16662	2317.218	749.341 #
		Total Aroclor-1242			255524	171166	6318.283	4643.623
		Average Aroclor-1242					1263.657	928.725
19)	L5	Aroclor-1248	9.27	14.95	84922	51686	3013.296	2577.711
20)	L5	Aroclor-1248 {2}	10.01	15.16	83159	58621	3539.413	2841.407

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-42.D PCB1K.M Tue Nov 19 01:30:48 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42.D Vial: 12
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42.D\CONFIRM.D
Acq On : 19 Nov 96 00:54 AM Operator: JS
Sample : VHB / PJ3 Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 1:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	84762	39820	2784.645	2573.203
Total Aroclor-1248			252842	150127	9337.354	7992.321
Average Aroclor-1248					3112.451	2664.107
22) L6 Aroclor-1254	13.02	17.17	37247	33773	1074.128	1080.875
23) L6 Aroclor-1254 {2}	13.36	17.55	70962	67961	986.007	984.337
24) L6 Aroclor-1254 {3}	13.85	17.98	34062	41676	1013.828	956.536
25) L6 Aroclor-1254 (4)	14.20	18.50	45512	26735	972.859	953.025
26) L6 Aroclor-1254 (5)	15.74	20.04	51484	42946	955.051	979.585
Total Aroclor-1254			239267	213091	5001.873	4954.358
Average Aroclor-1254					1000.375	990.872
27) L7 Aroclor-1260	13.85	18.18	34062	24801	984.414	763.412
28) L7 Aroclor-1260 {2}	14.63	18.50	29159	26735	734.842	727.540
29) L7 Aroclor-1260 {3}	17.84	21.92	12912	12636	233.777	233.367
Total Aroclor-1260			76134	64172	1953.034	1724.319
Average Aroclor-1260					651.011	574.773
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	1553	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254 = $\frac{4954 \times 25}{15.5 \times 0.91} = 8780$

MRL= 180/350

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42M.D Vial: 13
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42M.D\CONFIRM.D
Acq On : 19 Nov 96 01:32 AM Operator: JS
Sample : VHB / PJ3 MS Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 2:08 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	6900	5844	27.680	29.930
					Recovery	=	69.20%	74.83%
2)	S	Decachlorobiphenyl	22.16	30.37	4407	2464	21.662	25.369
					Recovery	=	54.16%	63.42%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	178349	144456	1650.470	1492.469
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	136621	122871	730.593	726.893
5)	L1	Aroclor-1016	6.75	8.79	19436	2415	606.634	189.678 #
6)	L1	Aroclor-1016 {2}	8.87	10.31	41615	18050	2446.729	640.449 #
7)	L1	Aroclor-1016 {3}	9.27	12.23	70510	13439	2732.672	792.808 #
		Total Aroclor-1016			131561	33904	5786.035	1622.935
		Average Aroclor-1016					1928.678	540.978
8)	L2	Aroclor-1221	5.05	8.01	374	771	53.391	126.070 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	587	2063	100.605	422.978 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	5475	2415	270.983	157.285 #
		Total Aroclor-1221			6437	5249	424.979	706.333
		Average Aroclor-1221					141.660	235.444
11)	L3	Aroclor-1232	5.64	8.79	5475	2415	300.184	168.500 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	19436	18050	1424.138	1502.416
13)	L3	Aroclor-1232 {3}	8.55	12.23	16341	13439	1974.070	1938.126
		Total Aroclor-1232			41252	33904	3698.392	3609.042
		Average Aroclor-1232					1232.797	1203.014
14)	L4	Aroclor-1242	5.64	8.79	5475	2415	230.281	127.566 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	19436	18050	458.972	486.398
16)	L4	Aroclor-1242 {3}	8.17	11.36	178349	10331	2763.772	649.049 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	16341	144456	605.882	2859.799 #
18)	L4	Aroclor-1242 (5)	8.87	12.23	41615	13439	1874.138	604.406 #
		Total Aroclor-1242			261216	188690	5933.046	4727.217
		Average Aroclor-1242					1186.609	945.443
19)	L5	Aroclor-1248	9.27	14.95	70510	42654	2501.935	2127.272
20)	L5	Aroclor-1248 {2}	10.01	15.17	68434	47821	2912.688	2317.897

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-42M.D PCB1K.M Tue Nov 19 02:08:23 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42M.D Vial: 13
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42M.D\CONFIRM.D
Acq On : 19 Nov 96 01:32 AM Operator: JS
Sample : VHB / PJ3 MS Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 2:08 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.31	16.17	70085	32266	2302.481	2085.096
Total Aroclor-1248			209029	122741	7717.104	6530.265
Average Aroclor-1248					2572.368	2176.755
22) L6 Aroclor-1254	13.02	17.17	30797	28281	888.121	905.115
23) L6 Aroclor-1254 (2)	13.36	17.55	58732	56024	816.071	811.443
24) L6 Aroclor-1254 (3)	13.85	17.98	28832	35085	858.146	805.251
25) L6 Aroclor-1254 (4)	14.19	18.50	37903	23140	810.222	824.877
26) L6 Aroclor-1254 (5)	15.74	20.04	42552	35626	789.370	812.625
Total Aroclor-1254			198816	178156	4161.930	4159.310
Average Aroclor-1254					832.386	831.862
27) L7 Aroclor-1260	13.85	18.18	28832	21045	833.249	647.780
28) L7 Aroclor-1260 (2)	14.63	18.50	24846	23140	626.153	629.712
29) L7 Aroclor-1260 (3)	17.84	21.92	10356	10823	187.502	199.890
Total Aroclor-1260			64034	55008	1646.904	1477.382
Average Aroclor-1260					548.968	492.461
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	28.12	0	1253	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\995-42MA.D Vial: 38
Signal #2 : D:\HPCHEM\5\18NOV96\995-42MA.D\CONFIRM.D
Acq On : 20 Nov 96 00:11 AM Operator: JS
Sample : VHB / PJ3 MS 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 0:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	3310	2770	13.277	14.183
				Recovery	=	33.19%	35.46%
2) S	Decachlorobiphenyl	22.16	30.38	2380	1336	11.697	13.753
				Recovery	=	29.24%	34.38%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	103228	85455	955.290	882.895
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	77112	68854	412.362	407.331
5) L1	Aroclor-1016	6.75	8.79	11027	1339	344.192	105.188 #
6) L1	Aroclor-1016 {2}	8.88	10.32	22707	10361	1335.043	367.619 #
7) L1	Aroclor-1016 {3}	9.27	12.24	41357	7757	1602.825	457.596 #
Total	Aroclor-1016			75092	19457	3282.060	930.403
Average	Aroclor-1016					1094.020	310.134
8) L2	Aroclor-1221	5.05	8.02	199	390	28.441	63.779 #
9) L2	Aroclor-1221 {2}	5.47	8.56	311	1062	53.384	217.706 #
10) L2	Aroclor-1221 {3}	5.64	8.79	2938	1339	145.409	87.224 #
Total	Aroclor-1221			3449	2791	227.234	368.709
Average	Aroclor-1221					75.745	122.903
11) L3	Aroclor-1232	5.64	8.79	2938	1339	161.077	93.444 #
12) L3	Aroclor-1232 {2}	6.75	10.32	11027	10361	808.028	862.390
13) L3	Aroclor-1232 {3}	8.55	12.24	9168	7757	1107.528	1118.656
Total	Aroclor-1232			23133	19457	2076.633	2074.490
Average	Aroclor-1232					692.211	691.497
14) L4	Aroclor-1242	5.64	8.79	2938	1339	123.568	70.743 #
15) L4	Aroclor-1242 {2}	6.75	10.32	11027	10361	260.412	279.193
16) L4	Aroclor-1242 {3}	8.17	11.37	103228	5722	1599.668	359.525 #
17) L4	Aroclor-1242 (4)	8.55	11.66	9168	85455	339.923	1691.761 #
18) L4	Aroclor-1242 (5)	8.88	12.24	22707	7757	1022.612	348.853 #
Total	Aroclor-1242			149068	110634	3346.182	2750.076
Average	Aroclor-1242					669.236	550.015
19) L5	Aroclor-1248	9.27	14.95	41357	24329	1467.488	1213.359
20) L5	Aroclor-1248 {2}	10.01	15.17	39080	27339	1663.314	1325.113

(882-671)x2=4

(407-34)x2=74%

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
995-42MA.D PCB1KE.M Wed Nov 20 00:50:24 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\995-42MA.D Vial: 38
Signal #2 : D:\HPCHEM\5\18NOV96\995-42MA.D\CONFIRM.D
Acq On : 20 Nov 96 00:11 AM Operator: JS
Sample : VHB / PJ3 MS 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 0:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.32	16.17	40184	17537	1320.143	1133.254
Total Aroclor-1248			120621	69205	4450.945	3671.727
Average Aroclor-1248					1483.648	1223.909
22) L6 Aroclor-1254	13.02	17.17	16666	14956	480.608	478.657
23) L6 Aroclor-1254 (2)	13.36	17.55	32818	31092	456.005	450.332
24) L6 Aroclor-1254 (3)	13.85	17.99	16105	20237	479.354	464.464
25) L6 Aroclor-1254 (4)	14.20	18.50	21455	12685	458.626	452.179
26) L6 Aroclor-1254 (5)	15.74	20.04	23387	19198	433.849	437.891
Total Aroclor-1254			110432	98167	2308.441	2283.522
Average Aroclor-1254					461.688	456.704
27) L7 Aroclor-1260	13.85	18.18	16105	11300	465.447	347.835 #
28) L7 Aroclor-1260 (2)	14.63	18.50	13879	12685	349.756	345.194
29) L7 Aroclor-1260 (3)	17.84	21.92	5552	5293	100.518	97.749
Total Aroclor-1260			35536	29278	915.721	790.777
Average Aroclor-1260					305.240	263.592
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	28.13f	0	483	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42D.D Vial: 14
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42D.D\CONFIRM.D
Acq On : 19 Nov 96 02:09 AM Operator: JS
Sample : VHB / PJ3 MSD Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 2:45 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	8044	6729	32.270	34.458
					Recovery	=	80.68%	86.15%
2)	S	Decachlorobiphenyl	22.15	30.38	3768	2774	18.520	28.565 #
					Recovery	=	46.30%	71.41%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	209511	168591	1938.855	1741.827
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	150437	134755	804.474	797.197
5)	L1	Aroclor-1016	6.75	8.79	28406	4209	886.599	330.625 #
6)	L1	Aroclor-1016 (2)	8.88	10.31	50568	26329	2973.110	934.204 #
7)	L1	Aroclor-1016 (3)	9.27	12.24	79593	18334	3084.672	1081.578
		Total Aroclor-1016			158567	48872	6944.382	2346.406
		Average Aroclor-1016					2314.794	782.135
8)	L2	Aroclor-1221	5.05	8.02	641	1131	91.533	184.957 #
9)	L2	Aroclor-1221 (2)	5.47	8.56	1083	3619	185.593	741.964 #
10)	L2	Aroclor-1221 (3)	5.64	8.79	8969	4209	443.875	274.161 #
		Total Aroclor-1221			10693	8959	721.001	1201.082
		Average Aroclor-1221					240.334	400.361
11)	L3	Aroclor-1232	5.64	8.79	8969	4209	491.705	293.710 #
12)	L3	Aroclor-1232 (2)	6.75	10.31	28406	26329	2081.388	2191.530
13)	L3	Aroclor-1232 (3)	8.55	12.24	22162	18334	2677.345	2644.063
		Total Aroclor-1232			59537	48872	5250.437	5129.303
		Average Aroclor-1232					1750.146	1709.768
14)	L4	Aroclor-1242	5.64	8.79	8969	4209	377.204	222.357 #
15)	L4	Aroclor-1242 (2)	6.75	10.31	28406	26329	670.791	709.494
16)	L4	Aroclor-1242 (3)	8.17	11.37	209511	14699	3246.683	923.503 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	22162	168591	821.731	3337.607 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	50568	18334	2277.334	824.552 #
		Total Aroclor-1242			319616	232162	7393.743	6017.514
		Average Aroclor-1242					1478.749	1203.503
19)	L5	Aroclor-1248	9.27	14.95	79593	49539	2824.213	2470.646
20)	L5	Aroclor-1248 (2)	10.01	15.16	77901	54462	3315.599	2639.782

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-42D.D PCB1K.M Tue Nov 19 02:45:58 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-42D.D Vial: 14
Signal #2 : D:\HPCHEM\5\18NOV96\C995-42D.D\CONFIRM.D
Acq On : 19 Nov 96 02:09 AM Operator: JS
Sample : VHB / PJ3 MSD Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 2:45 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	81059	37706	2663.007	2436.627
Total Aroclor-1248			238552	141707	8802.819	7547.056
Average Aroclor-1248					2934.273	2515.685
22) L6 Aroclor-1254	13.02	17.17	37470	34017	1080.554	1088.670
23) L6 Aroclor-1254 {2}	13.36	17.55	71964	69189	999.940	1002.133
24) L6 Aroclor-1254 {3}	13.85	17.98	34839	44648	1036.950	1024.749
25) L6 Aroclor-1254 (4)	14.19	18.50	48071	28462	1027.565	1014.593
26) L6 Aroclor-1254 (5)	15.74	20.04	55480	45956	1029.186	1048.227
Total Aroclor-1254			247825	222272	5174.195	5178.372
Average Aroclor-1254					1034.839	1035.674
27) L7 Aroclor-1260	13.85	18.18	34839	25068	1006.865	771.609
28) L7 Aroclor-1260 {2}	14.63	18.50	30277	28462	763.017	774.541
29) L7 Aroclor-1260 {3}	17.84	21.92	12966	13178	234.752	243.390
Total Aroclor-1260			78083	66708	2004.634	1789.540
Average Aroclor-1260					668.211	596.513
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	1161	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\995-42DA.D Vial: 39
Signal #2 : D:\HPCHEM\5\18NOV96\995-42DA.D\CONFIRM.D
Acq On : 20 Nov 96 00:51 AM Operator: JS
Sample : VHB / PJ3 MSD 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 1:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	3605	2951	14.462	15.114
				Recovery	=	36.16%	37.79%
2) S	Decachlorobiphenyl	22.16	30.38	2161	1478	10.623	15.213 #
				Recovery	=	26.56%	38.03%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	114487	94925	1059.484	980.736
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	83093	74445	444.346	440.410
5) L1	Aroclor-1016	6.75	8.79	15561	2201	485.704	172.871 #
6) L1	Aroclor-1016 {2}	8.88	10.31	26812	14341	1576.390	508.868 #
7) L1	Aroclor-1016 {3}	9.27	12.24	44507	9775	1724.888	576.644 #
Total	Aroclor-1016			86880	26317	3786.983	1258.382
Average	Aroclor-1016					1262.328	419.461
8) L2	Aroclor-1221	5.05	8.02	317	545	45.245	89.084 #
9) L2	Aroclor-1221 {2}	5.47	8.56	547	1742	93.792	357.142 #
10) L2	Aroclor-1221 {3}	5.64	8.79	4548	2201	225.081	143.348 #
Total	Aroclor-1221			5412	4487	364.118	589.575
Average	Aroclor-1221					121.373	196.525
11) L3	Aroclor-1232	5.64	8.79	4548	2201	249.335	153.569 #
12) L3	Aroclor-1232 {2}	6.75	10.31	15561	14341	1140.242	1193.743
13) L3	Aroclor-1232 {3}	8.55	12.24	11911	9775	1438.929	1409.684
Total	Aroclor-1232			32020	26317	2828.507	2756.996
Average	Aroclor-1232					942.836	918.999
14) L4	Aroclor-1242	5.64	8.79	4548	2201	191.274	116.262 #
15) L4	Aroclor-1242 {2}	6.75	10.31	15561	14341	367.478	386.467
16) L4	Aroclor-1242 {3}	8.17	11.37	114487	7633	1774.143	479.547 #
17) L4	Aroclor-1242 (4)	8.55	11.66	11911	94925	441.637	1879.241 #
18) L4	Aroclor-1242 (5)	8.88	12.24	26812	9775	1207.479	439.611 #
Total	Aroclor-1242			173319	128875	3982.010	3301.127
Average	Aroclor-1242					796.402	660.225
19) L5	Aroclor-1248	9.27	14.95	44507	27210	1579.245	1357.031
20) L5	Aroclor-1248 {2}	10.01	15.17	43020	30150	1831.037	1461.393

(981-671)x2 62%

(440-28)x2 = 8%

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
995-42DA.D PCB1KE.M Wed Nov 20 01:30:53 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\995-42DA.D Vial: 39
Signal #2 : D:\HPCHEM\5\18NOV96\995-42DA.D\CONFIRM.D
Acq On : 20 Nov 96 00:51 AM Operator: JS
Sample : VHB / PJ3 MSD 2X DILUTION Inst : ECD1
Misc : 15.5G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 20 1:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.32	16.17	44699	19933	1468.495	1288.068
Total Aroclor-1248			132227	77293	4878.777	4106.491
Average Aroclor-1248					1626.259	1368.830
22) L6 Aroclor-1254	13.02	17.17	19596	17720	565.113	567.123
23) L6 Aroclor-1254 {2}	13.36	17.55	39087	37006	543.114	535.986
24) L6 Aroclor-1254 {3}	13.85	17.99	18813	24916	559.950	571.860
25) L6 Aroclor-1254 (4)	14.20	18.50	26610	15225	568.807	542.717
26) L6 Aroclor-1254 (5)	15.74	20.04	29601	24367	549.120	555.812
Total Aroclor-1254			133708	119234	2786.104	2773.499
Average Aroclor-1254					557.221	554.700
27) L7 Aroclor-1260	13.85	18.18	18813	13044	543.705	401.492 #
28) L7 Aroclor-1260 {2}	14.64	18.50	16441	15225	414.324	414.311
29) L7 Aroclor-1260 {3}	17.84	21.92	6734	6491	121.921	119.884
Total Aroclor-1260			41988	34759	1079.950	935.687
Average Aroclor-1260					359.983	311.896
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13f	0	469	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
995-42DA.D PCB1KE.M Wed Nov 20 01:30:58 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-43.D Vial: 15
Signal #2 : D:\HPCHEM\5\18NOV96\C995-43.D\CONFIRM.D
Acq On : 19 Nov 96 02:47 AM Operator: JS
Sample : VHB / PK1 Inst : ECD1
Misc : 15.4G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 3:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	10737	8705	43.071	44.579
					Recovery	=	107.68%	111.45%
2)	S	Decachlorobiphenyl	22.16	30.38	7016	3392	34.484	34.926
					Recovery	=	86.21%	87.32%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	78802	58402	729.245	603.389
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	13455	10123	71.953	59.889
5)	L1	Aroclor-1016	6.75	8.79	15920	2930	496.897	230.133 #
6)	L1	Aroclor-1016 (2)	8.87	10.31	25667	14537	1509.044	515.824 #
7)	L1	Aroclor-1016 (3)	9.26	12.23	45765	10654	1773.658	628.473 #
	Total	Aroclor-1016			87352	28121	3779.600	1374.430
	Average	Aroclor-1016					1259.867	458.143
8)	L2	Aroclor-1221	5.05	8.01	303	876	43.303	143.250 #
9)	L2	Aroclor-1221 (2)	5.47	8.56	716	2334	122.755	478.592 #
10)	L2	Aroclor-1221 (3)	5.64	8.79	6752	2930	334.167	190.832 #
	Total	Aroclor-1221			7772	6140	500.225	812.673
	Average	Aroclor-1221					166.742	270.891
11)	L3	Aroclor-1232	5.64	8.79	6752	2930	370.175	204.438 #
12)	L3	Aroclor-1232 (2)	6.75	10.31	15920	14537	1166.520	1210.060
13)	L3	Aroclor-1232 (3)	8.55	12.23	11517	10654	1391.359	1536.387
	Total	Aroclor-1232			34189	28121	2928.054	2950.886
	Average	Aroclor-1232					976.018	983.629
14)	L4	Aroclor-1242	5.64	8.79	6752	2930	283.975	154.773 #
15)	L4	Aroclor-1242 (2)	6.75	10.31	15920	14537	375.947	391.749
16)	L4	Aroclor-1242 (3)	8.17	11.37	78802	7815	1221.147	491.026 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	11517	58402	427.036	1156.185 #
18)	L4	Aroclor-1242 (5)	8.87	12.23	25667	10654	1155.893	479.123 #
	Total	Aroclor-1242			138658	94338	3463.998	2672.857
	Average	Aroclor-1242					692.800	534.571
19)	L5	Aroclor-1248	9.26	14.95	45765	28404	1623.897	1416.582
20)	L5	Aroclor-1248 (2)	10.01	15.16	43099	30217	1834.376	1464.611

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-43.D Vial: 15
Signal #2 : D:\HPCHEM\5\18NOV96\C995-43.D\CONFIRM.D
Acq On : 19 Nov 96 02:47 AM Operator: JS
Sample : VHB / PK1 Inst : ECD1
Misc : 15.4G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 3:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	50218	20641	1649.803	1333.872
Total Aroclor-1248			139082	79262	5108.076	4215.065
Average Aroclor-1248					1702.692	1405.022
22) L6 Aroclor-1254	13.02	17.17	25921	23676	747.502	757.720
23) L6 Aroclor-1254 {2}	13.36	17.55	51497	48623	715.541	704.256
24) L6 Aroclor-1254 {3}	13.85	17.99	24482	29221	728.681	670.667
25) L6 Aroclor-1254 (4)	14.20	18.50	31533	20226	674.054	720.997
26) L6 Aroclor-1254 (5)	15.74	20.04	38515	32007	714.472	730.066
Total Aroclor-1254			171948	153753	3580.250	3583.705
Average Aroclor-1254					716.050	716.741
27) L7 Aroclor-1260	13.85	18.18	24482	18584	707.540	572.038
28) L7 Aroclor-1260 {2}	14.64	18.50	21560	20226	543.325	550.410
29) L7 Aroclor-1260 {3}	17.84	21.92	9211	9785	166.769	180.727
Total Aroclor-1260			55253	48596	1417.634	1303.176
Average Aroclor-1260					472.545	434.392
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.54	0	1777	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.12	0	1475	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use 2pts

$\frac{2377 \times \frac{5}{2} \times 25}{15.4 \times 0.96} = 10,049$

$\frac{3580 \times 25}{15.4 \times 0.96} = 6050$

MRL = 170/340

294

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-44.D Vial: 16
Signal #2 : D:\HPCHEM\5\18NOV96\C995-44.D\CONFIRM.D
Acq On : 19 Nov 96 03:25 AM Operator: JS
Sample : VHB / PK2 Inst : ECD1
Misc : 15.0G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 4:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10138	8385	40.668	42.938
				Recovery	=	101.67%	107.35%
2) S	Decachlorobiphenyl	22.16	30.37	6494	3274	31.920	33.703
				Recovery	=	79.80%	84.26%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	56099	42645	519.149	440.593
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	9009	6686	48.175	39.557
5) L1	Aroclor-1016	6.75	8.79	11084	1768	345.942	138.859 #
6) L1	Aroclor-1016 {2}	8.87	10.31	16897	10189	993.459	361.543 #
7) L1	Aroclor-1016 {3}	9.26	12.23	32510	6316	1259.963	372.592 #
Total	Aroclor-1016			60491	18273	2599.364	872.994
Average	Aroclor-1016					866.455	290.998
8) L2	Aroclor-1221	5.05	8.01	196	536	27.911	87.627 #
9) L2	Aroclor-1221 {2}	5.47	8.56	457	1063	78.298	218.031 #
10) L2	Aroclor-1221 {3}	5.64	8.79	3424	1768	169.448	115.145 #
Total	Aroclor-1221			4076	3367	275.657	420.802
Average	Aroclor-1221					91.886	140.267
11) L3	Aroclor-1232	5.64	8.79	3424	1768	187.707	123.355 #
12) L3	Aroclor-1232 {2}	6.75	10.31	11084	10189	812.137	848.137
13) L3	Aroclor-1232 {3}	8.55	12.23	7292	6316	880.888	910.852
Total	Aroclor-1232			21799	18273	1880.733	1882.344
Average	Aroclor-1232					626.911	627.448
14) L4	Aroclor-1242	5.64	8.79	3424	1768	143.997	93.388 #
15) L4	Aroclor-1242 {2}	6.75	10.31	11084	10189	261.736	274.579
16) L4	Aroclor-1242 {3}	8.17	11.37	56099	5263	869.333	330.666 #
17) L4	Aroclor-1242 (4)	8.55	11.66	7292	42645	270.362	844.244 #
18) L4	Aroclor-1242 (5)	8.87	12.23	16897	6316	760.966	284.050 #
Total	Aroclor-1242			94795	66181	2306.395	1826.927
Average	Aroclor-1242					461.279	365.385
19) L5	Aroclor-1248	9.26	14.95	32510	19537	1153.576	974.359
20) L5	Aroclor-1248 {2}	10.01	15.17	30601	21657	1302.423	1049.709

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-44.D Vial: 16
Signal #2 : D:\HPCHEM\5\18NOV96\C995-44.D\CONFIRM.D
Acq On : 19 Nov 96 03:25 AM Operator: JS
Sample : VHB / PK2 Inst : ECD1
Misc : 15.0G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 4:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	35240	13937	1157.713	900.611
Total Aroclor-1248			98351	55130	3613.713	2924.679
Average Aroclor-1248					1204.571	974.893
22) L6 Aroclor-1254	13.02	17.17	17475	15840	503.938	506.934
23) L6 Aroclor-1254 {2}	13.36	17.55	35895	33992	498.756	492.343
24) L6 Aroclor-1254 {3}	13.85	17.98	16927	20436	503.824	469.030
25) L6 Aroclor-1254 (4)	14.19	18.50	22080	13893	471.985	495.231
26) L6 Aroclor-1254 (5)	15.74	20.04	26335	21945	488.533	500.563
Total Aroclor-1254			118713	106105	2467.035	2464.100
Average Aroclor-1254					493.407	492.820
27) L7 Aroclor-1260	13.85	18.18	16927	12417	489.206	382.200
28) L7 Aroclor-1260 {2}	14.63	18.50	14861	13893	374.511	378.060
29) L7 Aroclor-1260 {3}	17.84	21.91	5919	6240	107.160	115.242
Total Aroclor-1260			37707	32549	970.878	875.502
Average Aroclor-1260					323.626	291.834
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	843	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 – Use 2 pks

$$\frac{1630 \times \frac{5}{2} \times 25}{15 \times 0.96} = 7074$$

AR 1254

$$\frac{2464 \times 25}{15 \times 0.96} = 4280$$

170/350 296

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-45.D Vial: 17
Signal #2 : D:\HPCHEM\5\18NOV96\C995-45.D\CONFIRM.D
Acq On : 19 Nov 96 04:02 AM Operator: JS
Sample : VHB / PK3 Inst : ECD1
Misc : 15.3G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 4:38 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xylen	4.04	6.43	9173	7965	36.799	40.792	
				Recovery	=	92.00%	101.98%	
2)	S Decachlorobiphenyl	22.16	30.37	6263	3111	30.783	32.028	
				Recovery	=	76.96%	80.07%	
	Target Compounds							
3)	M 2,4,4'-Trichlorobip	8.17	11.66	51178	38849	473.611	401.377	
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.56	8103	6438	43.333	38.089	
5)	L1 Aroclor-1016	6.75	8.79	8469	1994	264.326	156.636	#
6)	L1 Aroclor-1016 {2}	8.88	10.31	13744	7890	808.084	279.969	#
7)	L1 Aroclor-1016 {3}	9.27	12.23	30543	5510	1183.706	325.060	#
	Total Aroclor-1016			52756	15395	2256.116	761.664	
	Average Aroclor-1016					752.039	253.888	
8)	L2 Aroclor-1221	5.06	8.02	329	947	47.002	154.806	#
9)	L2 Aroclor-1221 {2}	5.47	8.56	680	2159	116.604	442.730	#
10)	L2 Aroclor-1221 {3}	5.63	8.79	4171	1994	206.446	129.886	#
	Total Aroclor-1221			5181	5100	370.052	727.421	
	Average Aroclor-1221					123.351	242.474	
11)	L3 Aroclor-1232	5.63	8.79	4171	1994	228.692	139.147	#
12)	L3 Aroclor-1232 {2}	6.75	10.31	8469	7890	620.534	656.773	
13)	L3 Aroclor-1232 {3}	8.55	12.23	6216	5510	750.884	794.653	
	Total Aroclor-1232			18856	15395	1600.109	1590.573	
	Average Aroclor-1232					533.370	530.191	
14)	L4 Aroclor-1242	5.63	8.79	4171	1994	175.437	105.343	#
15)	L4 Aroclor-1242 {2}	6.75	10.31	8469	7890	199.986	212.626	
16)	L4 Aroclor-1242 {3}	8.17	11.37	51178	3917	793.079	246.087	#
17)	L4 Aroclor-1242 (4)	8.55	11.66	6216	38849	230.461	769.099	#
18)	L4 Aroclor-1242 (5)	8.88	12.23	13744	5510	618.974	247.813	#
	Total Aroclor-1242			83778	58161	2017.938	1580.968	
	Average Aroclor-1242					403.588	316.194	
19)	L5 Aroclor-1248	9.27	14.95	30543	16685	1083.758	832.135	
20)	L5 Aroclor-1248 {2}	10.01	15.17	29468	20483	1254.217	992.835	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-45.D PCB1K.M Tue Nov 19 04:38:48 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-45.D Vial: 17
Signal #2 : D:\HPCHEM\5\18NOV96\C995-45.D\CONFIRM.D
Acq On : 19 Nov 96 04:02 AM Operator: JS
Sample : VHB / PK3 Inst : ECD1
Misc : 15.3G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 4:38 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	30927	12786	1016.027	826.245
Total Aroclor-1248			90938	49954	3354.002	2651.214
Average Aroclor-1248					1118.001	883.738
22) L6 Aroclor-1254	13.02	17.17	14489	14297	417.836	457.562
23) L6 Aroclor-1254 {2}	13.36	17.55	31388	27973	436.137	405.156
24) L6 Aroclor-1254 {3}	13.85	17.99	15348	18171	456.812	417.044
25) L6 Aroclor-1254 (4)	14.19	18.50	20215	12729	432.120	453.767
26) L6 Aroclor-1254 (5)	15.74	20.04	23861	20278	442.633	462.529
Total Aroclor-1254			105301	93448	2185.537	2196.058
Average Aroclor-1254					437.107	439.212
27) L7 Aroclor-1260	13.85	18.18	15348	11151	443.559	343.244
28) L7 Aroclor-1260 {2}	14.64	18.50	12085	12729	304.555	346.406
29) L7 Aroclor-1260 {3}	17.84	21.91	5371	5829	97.240	107.653
Total Aroclor-1260			32804	29709	845.353	797.303
Average Aroclor-1260					281.784	265.768
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	758	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Use 2 pks

AR 1242 $\frac{1412 \times \frac{5}{2} \times 25}{15.3 \times 0.90} = 6410$

AR 1254 $\frac{2186 \times 25}{15.3 \times 0.90} = 3970$

MRL = 180/360

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-46.D Vial: 18
Signal #2 : D:\HPCHEM\5\18NOV96\C995-46.D\CONFIRM.D
Acq On : 19 Nov 96 06:33 AM Operator: JS
Sample : VHB / PL1 Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 7:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10294	8923	41.295	45.696
				Recovery	=	103.24%	114.24%
2) S	Decachlorobiphenyl	22.16	30.37	7126	3519	35.024	36.235
				Recovery	=	87.56%	90.59%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	86442	64202	799.950	663.309
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	17377	12470	92.923	73.774
5) L1	Aroclor-1016	6.75	8.79	19213	3639	599.683	285.820 #
6) L1	Aroclor-1016 {2}	8.88	10.31	27724	17545	1630.022	622.539 #
7) L1	Aroclor-1016 {3}	9.26	12.23	50193	12673	1945.256	747.623 #
Total	Aroclor-1016			97130	33857	4174.960	1655.982
Average	Aroclor-1016					1391.653	551.994
8) L2	Aroclor-1221	5.05	8.02	367	877	52.430	143.344 #
9) L2	Aroclor-1221 {2}	5.47	8.56	826	1980	141.562	406.041 #
10) L2	Aroclor-1221 {3}	5.64	8.79	7763	3639	384.209	237.008 #
Total	Aroclor-1221			8957	6496	578.201	786.393
Average	Aroclor-1221					192.734	262.131
11) L3	Aroclor-1232	5.64	8.79	7763	3639	425.610	253.908 #
12) L3	Aroclor-1232 {2}	6.75	10.31	19213	17545	1407.820	1460.403
13) L3	Aroclor-1232 {3}	8.55	12.23	12801	12673	1546.408	1827.665
Total	Aroclor-1232			39777	33857	3379.837	3541.976
Average	Aroclor-1232					1126.612	1180.659
14) L4	Aroclor-1242	5.64	8.79	7763	3639	326.500	192.225 #
15) L4	Aroclor-1242 {2}	6.75	10.31	19213	17545	453.713	472.796
16) L4	Aroclor-1242 {3}	8.17	11.37	86442	9490	1339.545	596.233 #
17) L4	Aroclor-1242 (4)	8.55	11.66	12801	64202	474.624	1271.002 #
18) L4	Aroclor-1242 (5)	8.88	12.23	27724	12673	1248.559	569.958 #
Total	Aroclor-1242			153943	107549	3842.942	3102.214
Average	Aroclor-1242					768.588	620.443
19) L5	Aroclor-1248	9.26	14.95	50193	31993	1781.005	1595.569
20) L5	Aroclor-1248 {2}	10.01	15.17	47569	34604	2024.648	1677.288

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-46.D PCB1K.M Tue Nov 19 07:09:14 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-46.D Vial: 18
Signal #2 : D:\HPCHEM\5\18NOV96\C995-46.D\CONFIRM.D
Acq On : 19 Nov 96 06:33 AM Operator: JS
Sample : VHB / PL1 Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 7:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.31	16.17	57748	23665	1897.192	1529.275
Total Aroclor-1248			155511	90262	5702.845	4802.131
Average Aroclor-1248					1900.948	1600.710
22) L6 Aroclor-1254	13.02	17.17	31832	29611	917.965	947.688
23) L6 Aroclor-1254 (2)	13.36	17.55	62504	59789	868.486	865.975
24) L6 Aroclor-1254 (3)	13.85	17.99	29983	36348	892.418	834.244
25) L6 Aroclor-1254 (4)	14.20	18.50	38615	25119	825.437	895.429
26) L6 Aroclor-1254 (5)	15.74	20.04	48515	40152	899.980	915.855
Total Aroclor-1254			211449	191020	4404.285	4459.190
Average Aroclor-1254					880.857	891.838
27) L7 Aroclor-1260	13.85	18.18	29983	22979	866.526	707.314
28) L7 Aroclor-1260 (2)	14.63	18.50	26662	25119	671.905	683.571
29) L7 Aroclor-1260 (3)	17.84	21.91	11597	11181	209.968	206.505
Total Aroclor-1260			68242	59279	1748.400	1597.390
Average Aroclor-1260					582.800	532.463
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	23.54	0	1581	N.D.	NoCal
32) L8 Aroclor-1268 (3)	0.00	28.13	0	885	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242

$$\frac{2588 \times \frac{5}{2} \times 25}{15.1 \times 0.92} = 11600$$

AR1254 =

$$\frac{4404 \times 25}{15.1 \times 0.92} = 7925$$

300

18/36

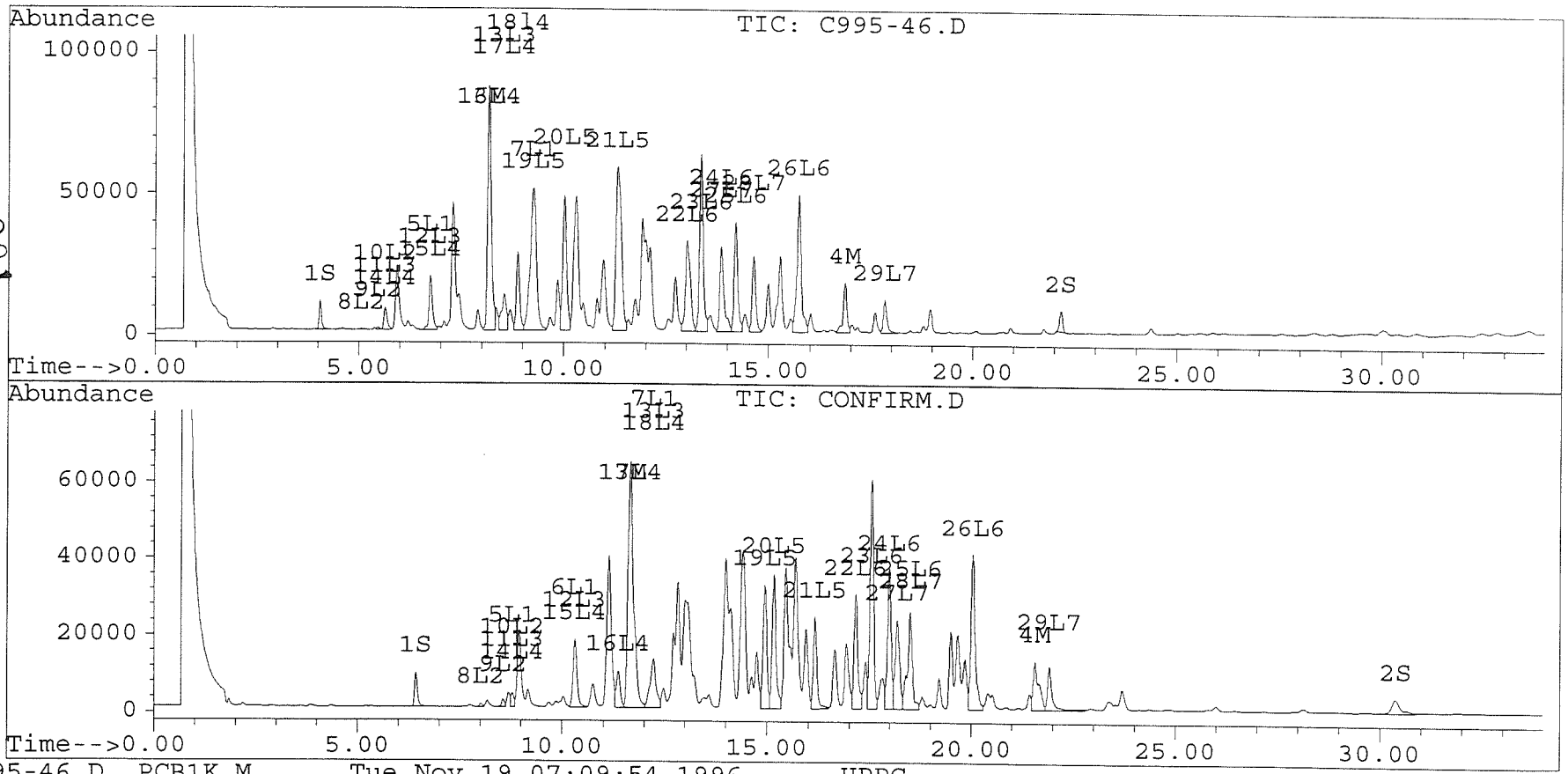
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-46.D Vial: 18
Signal #2 : D:\HPCHEM\5\18NOV96\C995-46.D\CONFIRM.D
Acq On : 19 Nov 96 06:33 AM Operator: JS
Sample : VHB / PL1 Inst : ECD1
Misc : 15.1G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 7:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-47.D Vial: 19
Signal #2 : D:\HPCHEM\5\18NOV96\C995-47.D\CONFIRM.D
Acq On : 19 Nov 96 07:10 AM Operator: JS
Sample : VHB / PL2 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 7:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9121	7564	36.587	38.735
					Recovery	=	91.47%	96.84%
2)	S	Decachlorobiphenyl	22.16	30.37	6118	3099	30.070	31.906
					Recovery	=	75.18%	79.77%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	66326	50443	613.793	521.156
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	15769	11621	84.327	68.750
5)	L1	Aroclor-1016	6.75	8.79	18058	3422	563.614	268.839 #
6)	L1	Aroclor-1016 {2}	8.88	10.31	20230	16563	1189.422	587.701 #
7)	L1	Aroclor-1016 {3}	9.26	12.23	43120	9939	1671.127	586.328 #
		Total Aroclor-1016			81407	29925	3424.163	1442.868
		Average Aroclor-1016					1141.388	480.956
8)	L2	Aroclor-1221	5.05	8.02	390	956	55.670	156.382 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	807	1584	138.342	324.727 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	5982	3422	296.029	222.927
		Total Aroclor-1221			7179	5963	490.041	704.037
		Average Aroclor-1221					163.347	234.679
11)	L3	Aroclor-1232	5.64	8.79	5982	3422	327.928	238.823 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	18058	16563	1323.145	1378.676
13)	L3	Aroclor-1232 {3}	8.55	12.23	10810	9939	1305.948	1433.358
		Total Aroclor-1232			34849	29925	2957.021	3050.856
		Average Aroclor-1232					985.674	1016.952
14)	L4	Aroclor-1242	5.64	8.79	5982	3422	251.565	180.804 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	18058	16563	426.424	446.338
16)	L4	Aroclor-1242 {3}	8.17	11.37	66326	8358	1027.818	525.110 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	10810	50443	400.822	998.615 #
18)	L4	Aroclor-1242 (5)	8.88	12.23	20230	9939	911.070	446.993 #
		Total Aroclor-1242			121406	88725	3017.699	2597.860
		Average Aroclor-1242					603.540	519.572
19)	L5	Aroclor-1248	9.26	14.95	43120	27229	1530.023	1357.977
20)	L5	Aroclor-1248 {2}	10.01	15.17	39201	26499	1668.466	1284.416

302

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-47.D Vial: 19
Signal #2 : D:\HPCHEM\5\18NOV96\C995-47.D\CONFIRM.D
Acq On : 19 Nov 96 07:10 AM Operator: JS
Sample : VHB / PL2 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 7:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.30	16.17	52442	17339	1722.862	1120.438
Total	Aroclor-1248			134763	71066	4921.351	3762.830
Average	Aroclor-1248					1640.450	1254.277
22) L6	Aroclor-1254	13.02	17.17	29916	27646	862.704	884.780
23) L6	Aroclor-1254 {2}	13.36	17.55	59287	55545	823.789	804.505
24) L6	Aroclor-1254 {3}	13.85	17.98	28211	34612	839.682	794.407
25) L6	Aroclor-1254 (4)	14.19	18.50	37485	24024	801.282	856.379
26) L6	Aroclor-1254 (5)	15.74	20.04	45883	38607	851.155	880.621
Total	Aroclor-1254			200782	180434	4178.611	4220.693
Average	Aroclor-1254					835.722	844.139
27) L7	Aroclor-1260	13.85	18.18	28211	21501	815.320	661.823
28) L7	Aroclor-1260 {2}	14.63	18.50	24798	24024	624.947	653.760
29) L7	Aroclor-1260 {3}	17.84	21.91	9504	8811	172.073	162.725
Total	Aroclor-1260			62514	54336	1612.340	1478.308
Average	Aroclor-1260					537.447	492.769
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.12	0	933	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 – 2 pks

$\frac{1939 \times \frac{5}{2} \times 25}{15.5 \times 0.94} = 8320$

$\frac{4179 \times 25}{15.5 \times 0.94} = 7170$

170/340
303

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-48.D Vial: 20
Signal #2 : D:\HPCHEM\5\18NOV96\C995-48.D\CONFIRM.D
Acq On : 19 Nov 96 07:48 AM Operator: JS
Sample : VHB / PL3 Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 8:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	10249	8410	41.114	43.071
					Recovery	=	102.79%	107.68%
2)	S	Decachlorobiphenyl	22.16	30.37	6499	3742	31.945	38.526
					Recovery	=	79.86%	96.32%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	109046	81792	1009.131	845.049
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	17428	13239	93.197	78.322
5)	L1	Aroclor-1016	6.75	8.79	15602	3215	486.973	252.542 #
6)	L1	Aroclor-1016 (2)	8.87	10.31	35384	14515	2080.354	515.027 #
7)	L1	Aroclor-1016 (3)	9.26	12.23	61811	12930	2395.537	762.742 #
		Total Aroclor-1016			112797	30660	4962.863	1530.312
		Average Aroclor-1016					1654.288	510.104
8)	L2	Aroclor-1221	5.05	8.02	359	709	51.183	115.991 #
9)	L2	Aroclor-1221 (2)	5.47	8.56	723	1797	123.927	368.367 #
10)	L2	Aroclor-1221 (3)	5.64	8.79	7216	3215	357.127	209.414 #
		Total Aroclor-1221			8298	5721	532.237	693.772
		Average Aroclor-1221					177.412	231.257
11)	L3	Aroclor-1232	5.64	8.79	7216	3215	395.610	224.345 #
12)	L3	Aroclor-1232 (2)	6.75	10.31	15602	14515	1143.221	1208.192
13)	L3	Aroclor-1232 (3)	8.55	12.23	13874	12930	1676.117	1864.627
		Total Aroclor-1232			36692	30660	3214.947	3297.165
		Average Aroclor-1232					1071.649	1099.055
14)	L4	Aroclor-1242	5.64	8.79	7216	3215	303.486	169.844 #
15)	L4	Aroclor-1242 (2)	6.75	10.31	15602	14515	368.438	391.145
16)	L4	Aroclor-1242 (3)	8.17	11.36	109046	8559	1689.826	537.732 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	13874	81792	514.434	1619.243 #
18)	L4	Aroclor-1242 (5)	8.87	12.23	35384	12930	1593.503	581.485 #
		Total Aroclor-1242			181122	121011	4469.687	3299.449
		Average Aroclor-1242					893.937	659.890
19)	L5	Aroclor-1248	9.26	14.95	61811	37870	2193.266	1888.652
20)	L5	Aroclor-1248 (2)	10.01	15.16	60104	42261	2558.142	2048.426

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-48.D Vial: 20
Signal #2 : D:\HPCHEM\5\18NOV96\C995-48.D\CONFIRM.D
Acq On : 19 Nov 96 07:48 AM Operator: JS
Sample : VHB / PL3 Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 8:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	64469	27610	2117.978	1784.201
Total	Aroclor-1248			186384	107741	6869.387	5721.279
Average	Aroclor-1248					2289.796	1907.093
22) L6	Aroclor-1254	13.02	17.17	32270	29485	930.596	943.638
23) L6	Aroclor-1254 {2}	13.36	17.55	63255	60457	878.917	875.653
24) L6	Aroclor-1254 {3}	13.85	17.98	29874	39349	889.152	903.113
25) L6	Aroclor-1254 (4)	14.19	18.50	41738	25233	892.178	899.482
26) L6	Aroclor-1254 (5)	15.74	20.04	49640	40815	920.844	930.977
Total	Aroclor-1254			216775	195338	4511.688	4552.863
Average	Aroclor-1254					902.338	910.573
27) L7	Aroclor-1260	13.85	18.18	29874	22124	863.355	680.993
28) L7	Aroclor-1260 {2}	14.63	18.50	27072	25233	682.240	686.665
29) L7	Aroclor-1260 {3}	17.84	21.91	11227	10293	203.262	190.098
Total	Aroclor-1260			68172	57650	1748.857	1557.757
Average	Aroclor-1260					582.952	519.252
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.12	0	1256	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts
$\frac{3283 \times \frac{5}{2} \times 25}{15.2 \times 0.95} = 14210$

AR1254
$= \frac{4512 \times 25}{15.2 \times 0.95} = 781$

305 170/350

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-49.D Vial: 21
Signal #2 : D:\HPCHEM\5\18NOV96\C995-49.D\CONFIRM.D
Acq On : 19 Nov 96 09:03 AM Operator: JS
Sample : VHB / PA4 Inst : ECD1
Misc : 15.3G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	10171	8706	40.800	44.586
					Recovery	=	102.00%	111.47%
2)	S	Decachlorobiphenyl	22.16	30.38	7164	3454	35.214	35.556
					Recovery	=	88.04%	88.89%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.66	251	177	2.318	1.827
4)	M	2,2',3,3',4,4'-Hexa	16.87	0.00	185	0	0.988	N.D. #
5)	L1	Aroclor-1016	6.76	0.00	82	0	2.574	N.D. #
6)	L1	Aroclor-1016 {2}	8.88	10.32	84	90	4.957	3.179 #
7)	L1	Aroclor-1016 {3}	9.26	12.24	176	40	6.826	2.382 #
		Total Aroclor-1016			343	130	14.358	5.561
		Average Aroclor-1016					4.786	2.780
8)	L2	Aroclor-1221	0.00	8.01	0	42	N.D.	6.810 #
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	58	N.D.	11.800 #
10)	L2	Aroclor-1221 {3}	5.63	0.00	93	0	4.623	N.D. #
		Total Aroclor-1221			93	99	4.623	18.610
		Average Aroclor-1221					4.623	9.305
11)	L3	Aroclor-1232	5.63	0.00	93	0	5.121	N.D. #
12)	L3	Aroclor-1232 {2}	6.76	10.32	82	90	6.044	7.457
13)	L3	Aroclor-1232 {3}	8.56	12.24	65	40	7.853	5.824 #
		Total Aroclor-1232			241	130	19.018	13.280
		Average Aroclor-1232					6.339	6.640
14)	L4	Aroclor-1242	5.63	0.00	93	0	3.929	N.D. #
15)	L4	Aroclor-1242 {2}	6.76	10.32	82	90	1.948	2.414
16)	L4	Aroclor-1242 {3}	8.18	11.37	251	37	3.882	2.299 #
17)	L4	Aroclor-1242 (4)	8.56	11.66	65	177	2.410	3.500 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	84	40	3.797	1.816 #
		Total Aroclor-1242			576	343	15.966	10.030
		Average Aroclor-1242					3.193	2.507
19)	L5	Aroclor-1248	9.26	14.96	176	70	6.250	3.474 #
20)	L5	Aroclor-1248 {2}	10.02	15.17	143	75	6.094	3.646 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-49.D Vial: 21
Signal #2 : D:\HPCHEM\5\18NOV96\C995-49.D\CONFIRM.D
Acq On : 19 Nov 96 09:03 AM Operator: JS
Sample : VHB / PA4 Inst : ECD1
Misc : 15.3G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	167	64	5.491	4.108 #
Total Aroclor-1248			486	208	17.835	11.227
Average Aroclor-1248					5.945	3.742
22) L6 Aroclor-1254	13.03	17.17	66	74	1.910	2.384
23) L6 Aroclor-1254 {2}	13.37	17.56	225	229	3.130	3.311
24) L6 Aroclor-1254 {3}	13.86	17.98	187	111	5.561	2.555 #
25) L6 Aroclor-1254 (4)	14.20	18.51	110	163	2.350	5.810 #
26) L6 Aroclor-1254 (5)	15.75	20.07	166	336	3.077	7.672 #
Total Aroclor-1254			754	914	16.028	21.733
Average Aroclor-1254					3.206	4.347
27) L7 Aroclor-1260	13.86	18.19	187	176	5.400	5.403
28) L7 Aroclor-1260 {2}	14.63	18.51	191	163	4.821	4.435
29) L7 Aroclor-1260 {3}	17.85	21.92	159	907	2.887	16.754 #
Total Aroclor-1260			538	1246	13.108	26.592
Average Aroclor-1260					4.369	8.864
30) L8 Aroclor-1268	0.00	23.34f	0	535	N.D.	124.502 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.11	0	214	N.D.	NoCal
Total Aroclor-1268			0	535	N.D.	124.502
Average Aroclor-1268					0.000	124.502

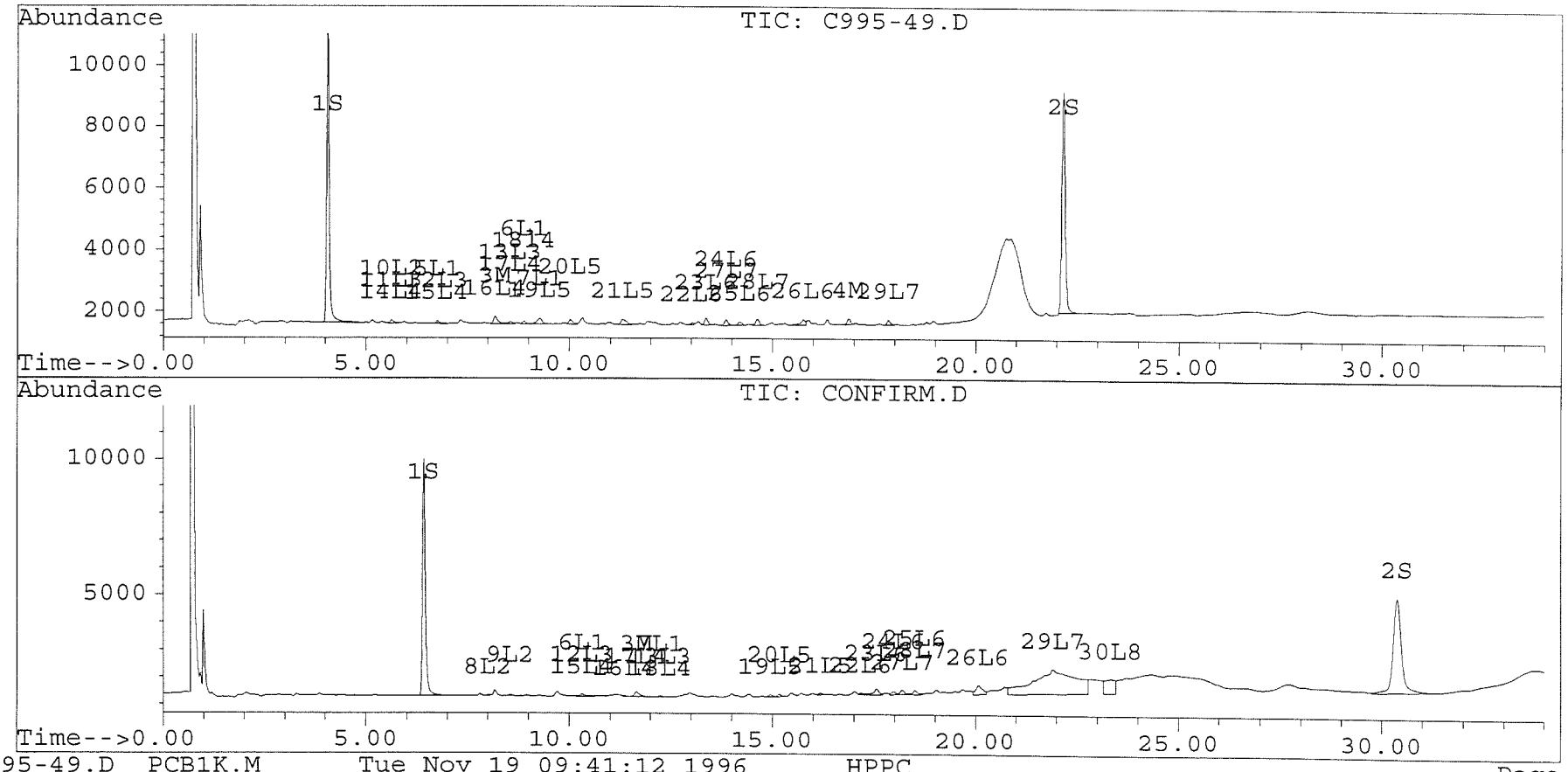
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-49.D PCB1K.M Tue Nov 19 09:40:28 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-49.D Vial: 21
Signal #2 : D:\HPCHEM\5\18NOV96\C995-49.D\CONFIRM.D
Acq On : 19 Nov 96 09:03 AM Operator: JS
Sample : VHB / PA4 Inst : ECD1
Misc : 15.3G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-50.D Vial: 22
Signal #2 : D:\HPCHEM\5\18NOV96\C995-50.D\CONFIRM.D
Acq On : 19 Nov 96 09:41 AM Operator: JS
Sample : VHB / PA5 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.43	10279	8770	41.234	44.911	
					Recovery	=	103.09%	112.28%	
2)	S	Decachlorobiphenyl	22.16	30.38	6921	3356	34.017	34.547	
					Recovery	=	85.04%	86.37%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.18	11.66	3461	2446	32.027	25.270	
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.57	711	953	3.803	5.638	#
5)	L1	Aroclor-1016	6.76	8.80	1114	196	34.761	15.411	#
6)	L1	Aroclor-1016 {2}	8.88	10.32	1051	1037	61.770	36.801	#
7)	L1	Aroclor-1016 {3}	9.26	12.24	2916	631	113.017	37.214	#
		Total Aroclor-1016			5080	1864	209.549	89.426	
		Average Aroclor-1016					69.850	29.809	
8)	L2	Aroclor-1221	0.00	8.02	0	60	N.D.	9.820	#
9)	L2	Aroclor-1221 {2}	5.47	8.56	46	172	7.886	35.257	#
10)	L2	Aroclor-1221 {3}	5.64	8.80	406	196	20.096	12.779	#
		Total Aroclor-1221			452	428	27.983	57.856	
		Average Aroclor-1221					13.991	19.285	
11)	L3	Aroclor-1232	5.64	8.80	406	196	22.262	13.690	#
12)	L3	Aroclor-1232 {2}	6.76	10.32	1114	1037	81.606	86.330	
13)	L3	Aroclor-1232 {3}	8.56	12.24	665	631	80.330	90.975	
		Total Aroclor-1232			2185	1864	184.198	190.996	
		Average Aroclor-1232					61.399	63.665	
14)	L4	Aroclor-1242	5.64	8.80	406	196	17.078	10.364	#
15)	L4	Aroclor-1242 {2}	6.76	10.32	1114	1037	26.300	27.949	
16)	L4	Aroclor-1242 {3}	8.18	11.38	3461	448	53.631	28.146	#
17)	L4	Aroclor-1242 (4)	8.56	11.66	665	2446	24.655	48.420	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	1051	631	47.314	28.371	#
		Total Aroclor-1242			6696	4758	168.978	143.250	
		Average Aroclor-1242					33.796	28.650	
19)	L5	Aroclor-1248	9.26	14.96	2916	1514	103.475	75.499	#
20)	L5	Aroclor-1248 {2}	10.02	15.17	2467	1607	104.982	77.916	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-50.D PCB1K.M Tue Nov 19 10:17:35 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-50.D Vial: 22
Signal #2 : D:\HPCHEM\5\18NOV96\C995-50.D\CONFIRM.D
Acq On : 19 Nov 96 09:41 AM Operator: JS
Sample : VHB / PA5 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.18	2821	1026	92.674	66.295 #
Total Aroclor-1248			8204	4147	301.131	219.710
Average Aroclor-1248					100.377	73.237
22) L6 Aroclor-1254	13.02	17.17	1167	1089	33.659	34.862
23) L6 Aroclor-1254 {2}	13.36	17.56	2630	2397	36.537	34.721
24) L6 Aroclor-1254 {3}	13.86	17.99	1403	1530	41.751	35.110
25) L6 Aroclor-1254 (4)	14.20	18.51	1624	1144	34.707	40.763
26) L6 Aroclor-1254 (5)	15.75	20.04	1888	1741	35.024	39.706
Total Aroclor-1254			8711	7901	181.678	185.161
Average Aroclor-1254					36.336	37.032
27) L7 Aroclor-1260	13.86	18.19	1403	1096	40.540	33.741
28) L7 Aroclor-1260 {2}	14.63	18.51	1439	1144	36.265	31.118
29) L7 Aroclor-1260 {3}	17.84	21.92	603	1575	10.913	29.086 #
Total Aroclor-1260			3445	3815	87.718	93.945
Average Aroclor-1260					29.239	31.315
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	158	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 – Use 2 pts

$\frac{101 \times \frac{5}{2} \times 25}{15 \times 0.93} = 450$

$\frac{181 \times 25}{15 \times 0.93} \sim 320$

MRL = 180 | 360

310

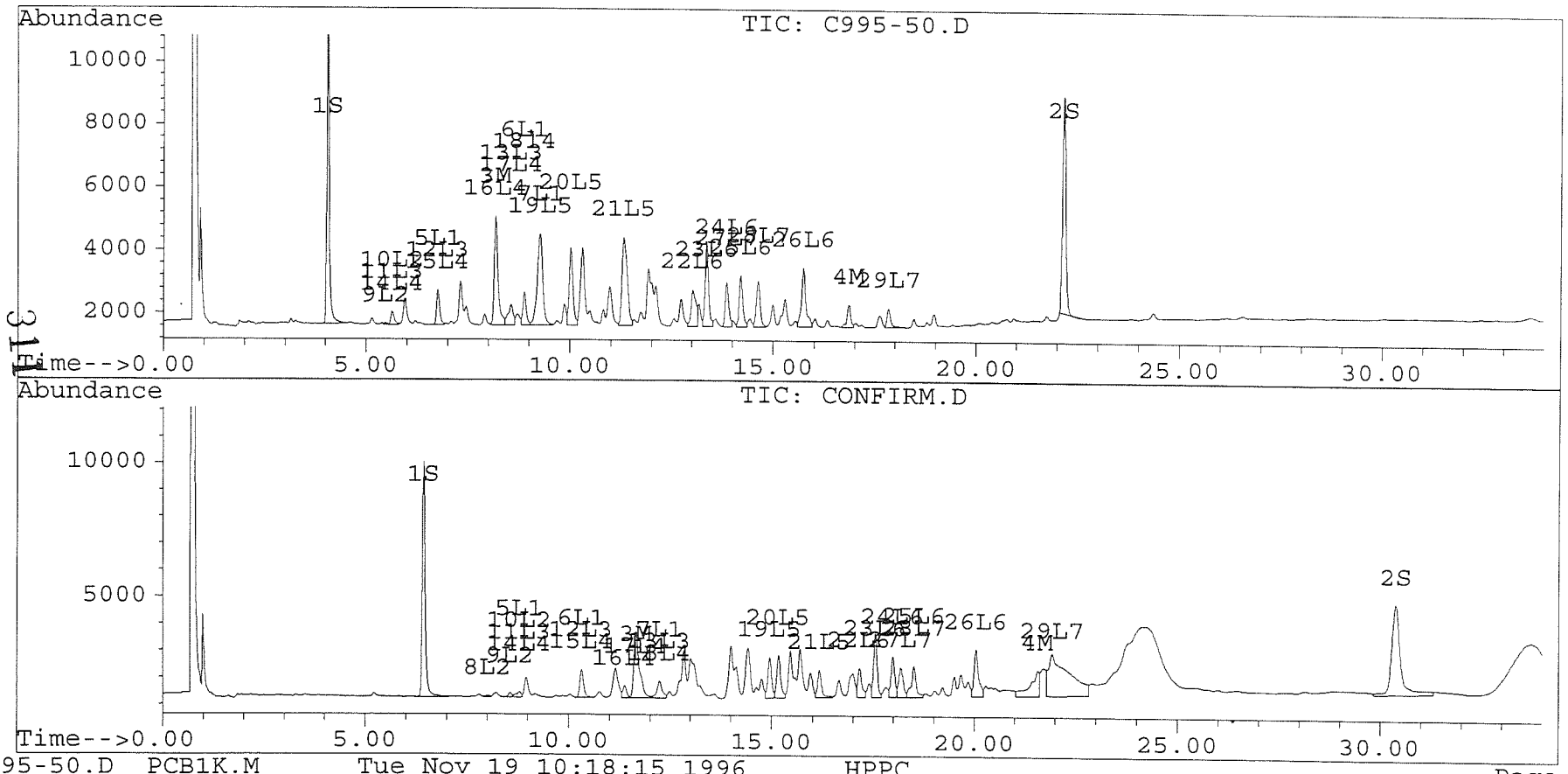
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-50.D Vial: 22
Signal #2 : D:\HPCHEM\5\18NOV96\C995-50.D\CONFIRM.D
Acq On : 19 Nov 96 09:41 AM Operator: JS
Sample : VHB / PA5 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-51.D Vial: 23
Signal #2 : D:\HPCHEM\5\18NOV96\C995-51.D\CONFIRM.D
Acq On : 19 Nov 96 10:19 AM Operator: JS
Sample : VHB / PA6 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.44	9913	8366	39.767	42.841	
					Recovery	=	99.42%	107.10%	
2)	S	Decachlorobiphenyl	22.16	30.38	6590	3168	32.389	32.619	
					Recovery	=	80.97%	81.55%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.17	11.66	9101	6569	84.222	67.865	
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	8521	6273	45.569	37.111	
5)	L1	Aroclor-1016	6.76	8.80	1726	391	53.887	30.739	#
6)	L1	Aroclor-1016 (2)	8.88	10.32	2651	1674	155.871	59.403	#
7)	L1	Aroclor-1016 (3)	9.24f	12.24	11525	1182	446.647	69.706	#
	Total	Aroclor-1016			15902	3247	656.405	159.848	
	Average	Aroclor-1016					218.802	53.283	
8)	L2	Aroclor-1221	5.05	8.02	53	162	7.497	26.458	#
9)	L2	Aroclor-1221 (2)	5.47	8.56	105	441	17.937	90.354	#
10)	L2	Aroclor-1221 (3)	5.64	8.80	884	391	43.761	25.489	#
	Total	Aroclor-1221			1041	994	69.196	142.302	
	Average	Aroclor-1221					23.065	47.434	
11)	L3	Aroclor-1232	5.64	8.80	884	391	48.477	27.307	#
12)	L3	Aroclor-1232 (2)	6.76	10.32	1726	1674	126.506	139.353	
13)	L3	Aroclor-1232 (3)	8.55	12.24	1340	1182	161.915	170.405	
	Total	Aroclor-1232			3951	3247	336.897	337.064	
	Average	Aroclor-1232					112.299	112.355	
14)	L4	Aroclor-1242	5.64	8.80	884	391	37.188	20.673	#
15)	L4	Aroclor-1242 (2)	6.76	10.32	1726	1674	40.770	45.115	
16)	L4	Aroclor-1242 (3)	8.17	11.37	9101	753	141.034	47.316	#
17)	L4	Aroclor-1242 (4)	8.55	11.66	1340	6569	49.695	130.039	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	2651	1182	119.394	53.141	#
	Total	Aroclor-1242			15703	10569	388.081	296.283	
	Average	Aroclor-1242					77.616	59.257	
19)	L5	Aroclor-1248	9.24	14.95	11525	7880	408.933	393.020	
20)	L5	Aroclor-1248 (2)	10.01	15.17	8194	4562	348.771	221.134	#

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-51.D Vial: 23
Signal #2 : D:\HPCHEM\5\18NOV96\C995-51.D\CONFIRM.D
Acq On : 19 Nov 96 10:19 AM Operator: JS
Sample : VHB / PA6 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.30	16.17	20746	2973	681.548	192.139 #
Total	Aroclor-1248			40465	15416	1439.252	806.293
Average	Aroclor-1248					479.751	268.764
22) L6	Aroclor-1254	13.02	17.17	14090	12895	406.322	412.694
23) L6	Aroclor-1254 {2}	13.36	17.55	30744	29186	427.190	422.726
24) L6	Aroclor-1254 {3}	13.85	17.99	14962	17952	445.325	412.035
25) L6	Aroclor-1254 (4)	14.20	18.50	19678	13454	420.631	479.605
26) L6	Aroclor-1254 (5)	15.74	20.04	26787	21720	496.921	495.422
Total	Aroclor-1254			106261	95207	2196.390	2222.483
Average	Aroclor-1254					439.278	444.497
27) L7	Aroclor-1260	13.85	18.19	14962	11784	432.405	362.712
28) L7	Aroclor-1260 {2}	14.63	18.50	16215	13454	408.628	366.131
29) L7	Aroclor-1260 {3}	17.84	21.92	4986	4476	90.279	82.671
Total	Aroclor-1260			36163	29714	931.312	811.514
Average	Aroclor-1260					310.437	270.505
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.14f	0	141	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR 1242

$$\frac{260 \times \frac{5}{2} \times 25}{15.5 \times 0.94} = 1120$$

AR1254

$$\frac{2196 \times 25}{15.5 \times 0.94} = 3802$$

MRL = 170 | 340

313

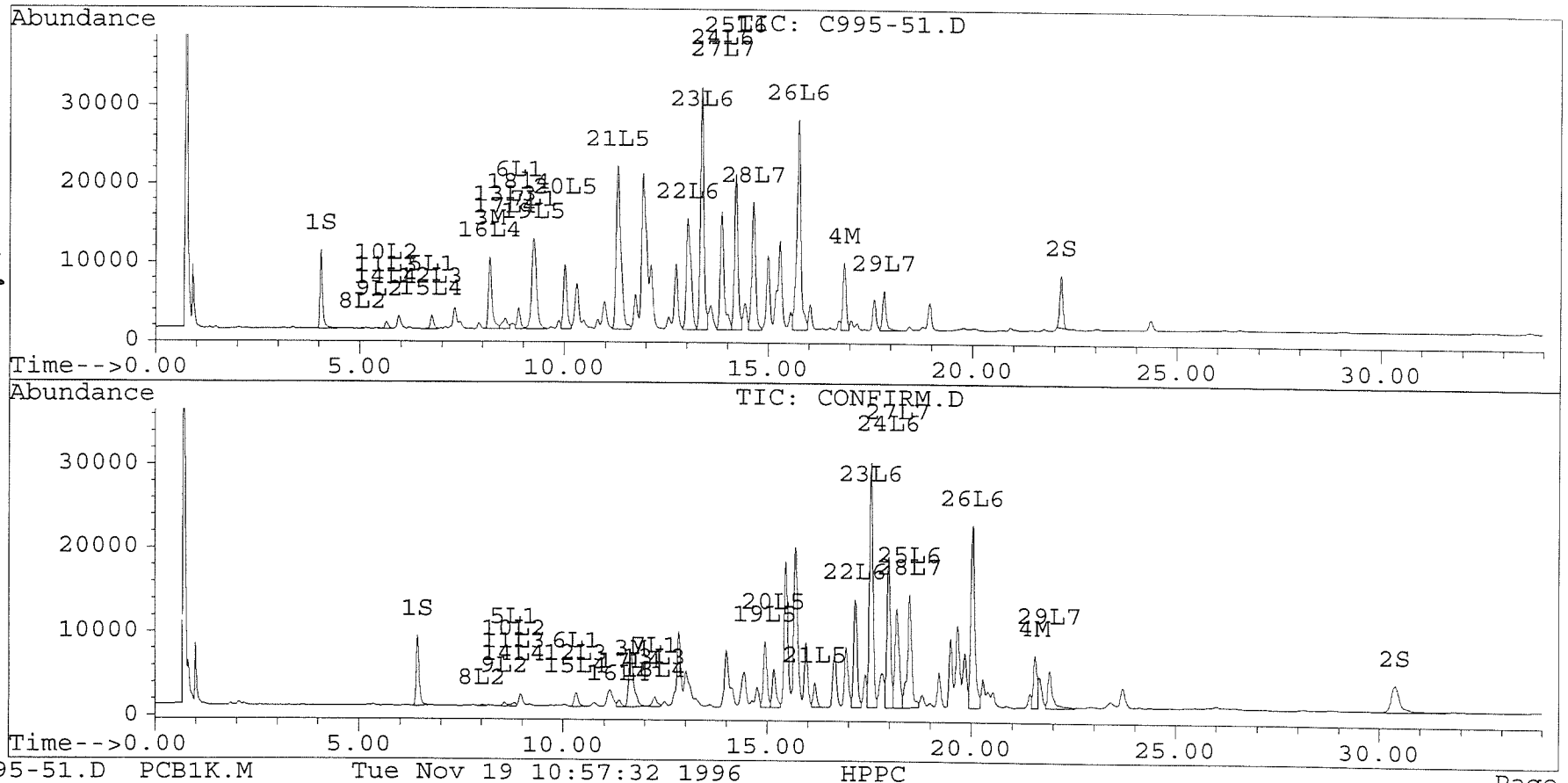
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-51.D Vial: 23
Signal #2 : D:\HPCHEM\5\18NOV96\C995-51.D\CONFIRM.D
Acq On : 19 Nov 96 10:19 AM Operator: JS
Sample : VHB / PA6 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 10:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-52.D Vial: 24
Signal #2 : D:\HPCHEM\5\18NOV96\C995-52.D\CONFIRM.D
Acq On : 19 Nov 96 10:57 AM Operator: JS
Sample : VHB / PB4 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 11:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9875	8141	39.614	41.690
				Recovery	=	99.04%	104.23%
2) S	Decachlorobiphenyl	22.16	30.38	6280	2994	30.866	30.821
				Recovery	=	77.16%	77.05%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.67	1286	856	11.902	8.840 #
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	346	260	1.849	1.539
5) L1	Aroclor-1016	6.76	8.79	583	113	18.205	8.898 #
6) L1	Aroclor-1016 {2}	8.88	10.32	440	526	25.854	18.657 #
7) L1	Aroclor-1016 {3}	9.26	12.23	1230	318	47.684	18.764 #
Total	Aroclor-1016			2253	957	91.743	46.319
Average	Aroclor-1016					30.581	15.440
8) L2	Aroclor-1221	0.00	8.02	0	28	N.D.	4.597 #
9) L2	Aroclor-1221 {2}	5.47	8.56	30	171	5.146	35.000 #
10) L2	Aroclor-1221 {3}	5.64	8.79	309	113	15.291	7.378 #
Total	Aroclor-1221			339	312	20.437	46.975
Average	Aroclor-1221					10.219	15.658
11) L3	Aroclor-1232	5.64	8.79	309	113	16.939	7.904 #
12) L3	Aroclor-1232 {2}	6.76	10.32	583	526	42.738	43.767
13) L3	Aroclor-1232 {3}	8.56	12.23	301	318	36.412	45.872 #
Total	Aroclor-1232			1194	957	96.089	97.543
Average	Aroclor-1232					32.030	32.514
14) L4	Aroclor-1242	5.64	8.79	309	113	12.995	5.984 #
15) L4	Aroclor-1242 {2}	6.76	10.32	583	526	13.774	14.169
16) L4	Aroclor-1242 {3}	8.18	11.38	1286	208	19.930	13.059 #
17) L4	Aroclor-1242 (4)	8.56	11.67	301	856	11.176	16.939 #
18) L4	Aroclor-1242 (5)	8.88	12.23	440	318	19.804	14.305 #
Total	Aroclor-1242			2919	2021	77.677	64.456
Average	Aroclor-1242					15.535	12.891
19) L5	Aroclor-1248	9.26	14.95	1230	397	43.658	19.792 #
20) L5	Aroclor-1248 {2}	10.02	15.17	986	479	41.976	23.209 #

315

ZMRC

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-52.D Vial: 24
Signal #2 : D:\HPCHEM\5\18NOV96\C995-52.D\CONFIRM.D
Acq On : 19 Nov 96 10:57 AM Operator: JS
Sample : VHB / PB4 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 11:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
21) L5	Aroclor-1248 {3}	11.30	16.18	1049	269	34.448	17.367	#
Total	Aroclor-1248			3265	1144	120.082	60.368	
Average	Aroclor-1248					40.027	20.123	
22) L6	Aroclor-1254	13.02	17.17	479	437	13.807	13.995	
23) L6	Aroclor-1254 {2}	13.36	17.56	1201	1068	16.694	15.474	
24) L6	Aroclor-1254 {3}	13.86	17.99	690	558	20.543	12.808	#
25) L6	Aroclor-1254 (4)	14.20	18.51	609	572	13.007	20.384	#
26) L6	Aroclor-1254 (5)	15.75	20.04	880	716	16.319	16.331	
Total	Aroclor-1254			3859	3351	80.371	78.991	
Average	Aroclor-1254					16.074	15.798	
27) L7	Aroclor-1260	13.86	18.19	690	555	19.947	17.081	
28) L7	Aroclor-1260 {2}	14.64	18.51	626	572	15.772	15.561	
29) L7	Aroclor-1260 {3}	17.85	21.92	334	417	6.054	7.701	#
Total	Aroclor-1260			1650	1544	41.774	40.342	
Average	Aroclor-1260					13.925	13.447	
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.	
31) L8	Aroclor-1268 {2}	0.00	23.55	0	309	N.D.	NoCal	
32) L8	Aroclor-1268 {3}	0.00	28.13	0	185	N.D.	NoCal	
Total	Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	

18/36

316

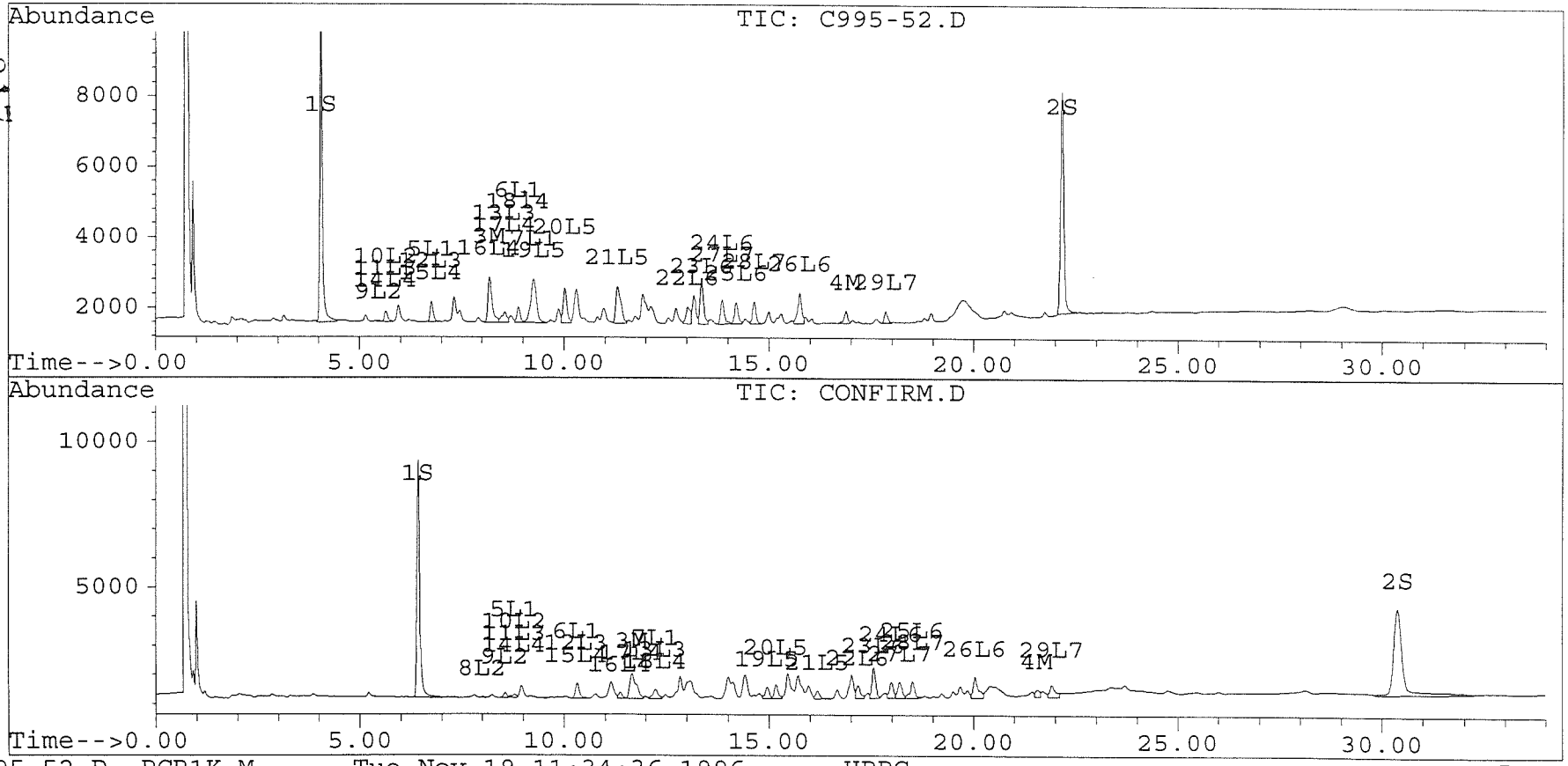
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-52.D Vial: 24
Signal #2 : D:\HPCHEM\5\18NOV96\C995-52.D\CONFIRM.D
Acq On : 19 Nov 96 10:57 AM Operator: JS
Sample : VHB / PB4 Inst : ECD1
Misc : 15.0G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 11:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-53.D Vial: 25
Signal #2 : D:\HPCHEM\5\18NOV96\C995-53.D\CONFIRM.D
Acq On : 19 Nov 96 11:35 AM Operator: JS
Sample : VHB / PB5 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:14 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	8453	7224	33.908	36.993
				Recovery	=	84.77%	92.48%
2) S	Decachlorobiphenyl	22.16	30.38	5742	2910	28.221	29.962
				Recovery	=	70.55%	74.91%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	18733	13805	173.357	142.626
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	2185	1272	11.687	7.527 #
5) L1	Aroclor-1016	6.75	8.80	4189	728	130.735	57.171 #
6) L1	Aroclor-1016 (2)	8.88	10.32	5648	3882	332.087	137.744 #
7) L1	Aroclor-1016 (3)	9.27	12.24	10219	2583	396.039	152.401 #
Total	Aroclor-1016			20056	7193	858.861	347.316
Average	Aroclor-1016					286.287	115.772
8) L2	Aroclor-1221	0.00	8.02	0	551	N.D.	90.037 #
9) L2	Aroclor-1221 (2)	0.00	8.56	0	1184	N.D.	242.647 #
10) L2	Aroclor-1221 (3)	5.63	8.80	1979	728	97.960	47.408 #
Total	Aroclor-1221			1979	2462	97.960	380.092
Average	Aroclor-1221					97.960	126.697
11) L3	Aroclor-1232	5.63	8.80	1979	728	108.515	50.788 #
12) L3	Aroclor-1232 (2)	6.75	10.32	4189	3882	306.913	323.131
13) L3	Aroclor-1232 (3)	8.55	12.24	3186	2583	384.941	372.565
Total	Aroclor-1232			9354	7193	800.370	746.484
Average	Aroclor-1232					266.790	248.828
14) L4	Aroclor-1242	5.63	8.80	1979	728	83.246	38.450 #
15) L4	Aroclor-1242 (2)	6.75	10.32	4189	3882	98.912	104.612
16) L4	Aroclor-1242 (3)	8.17	11.37	18733	1915	290.293	120.319 #
17) L4	Aroclor-1242 (4)	8.55	11.66	3186	13805	118.146	273.294 #
18) L4	Aroclor-1242 (5)	8.88	12.24	5648	2583	254.371	116.185 #
Total	Aroclor-1242			33736	22913	844.968	652.859
Average	Aroclor-1242					168.994	130.572
19) L5	Aroclor-1248	9.27	14.95	10219	4397	362.599	219.287 #
20) L5	Aroclor-1248 (2)	10.01	15.17	8918	4764	379.583	230.915 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-53.D Vial: 25
Signal #2 : D:\HPCHEM\5\18NOV96\C995-53.D\CONFIRM.D
Acq On : 19 Nov 96 11:35 AM Operator: JS
Sample : VHB / PB5 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:14 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	7878	2507	258.815	161.991 #
Total	Aroclor-1248			27015	11668	1000.997	612.193
Average	Aroclor-1248					333.666	204.064
22) L6	Aroclor-1254	13.02	17.17	2899	2594	83.605	83.031
23) L6	Aroclor-1254 {2}	13.36	17.55	6882	6363	95.621	92.165
24) L6	Aroclor-1254 {3}	13.85	17.99	3721	4142	110.750	95.063
25) L6	Aroclor-1254 (4)	14.20	18.50	4484	3215	95.847	114.602
26) L6	Aroclor-1254 (5)	15.75	20.04	5447	4563	101.045	104.087
Total	Aroclor-1254			23433	20878	486.868	488.949
Average	Aroclor-1254					97.374	97.790
27) L7	Aroclor-1260	13.85	18.19	3721	2849	107.536	87.689
28) L7	Aroclor-1260 {2}	14.64	18.50	3705	3215	93.366	87.487
29) L7	Aroclor-1260 {3}	17.84	21.91	2494	2374	45.160	43.843
Total	Aroclor-1260			9920	8438	246.062	219.019
Average	Aroclor-1260					82.021	73.006
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	23.54	0	571	N.D.	NoCal
32) L8	Aroclor-1268 {3}	0.00	28.13f	0	338	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2pk

$\frac{544 \times \frac{5}{2} \times 25}{15.5 \times 0.94} = 2330$

AR125Y

$\frac{487 \times 25}{15.5 \times 0.94} = 840$

MRL = 170/34

319

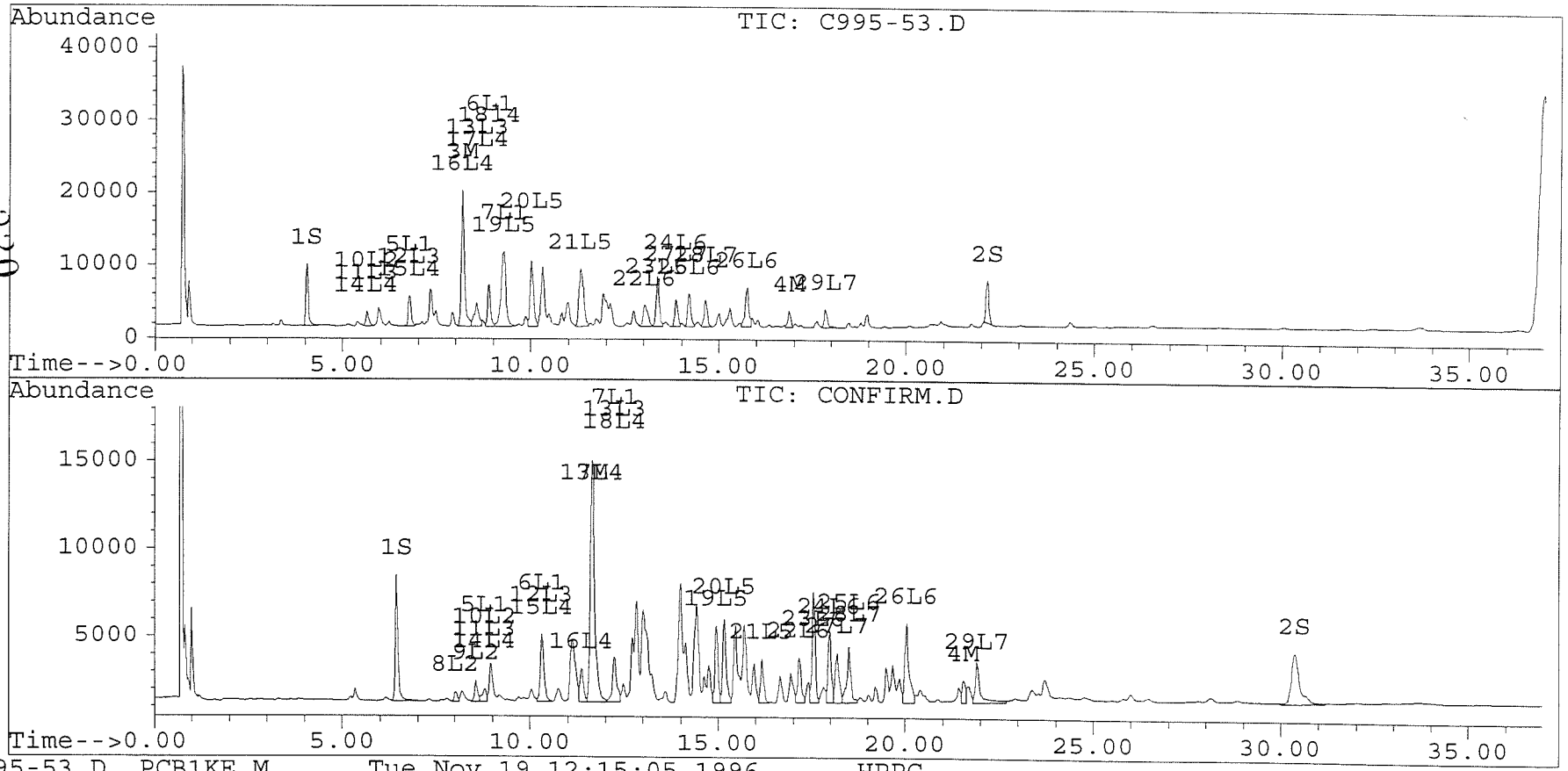
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-53.D Vial: 25
Signal #2 : D:\HPCHEM\5\18NOV96\C995-53.D\CONFIRM.D
Acq On : 19 Nov 96 11:35 AM Operator: JS
Sample : VHB / PB5 Inst : ECD1
Misc : 15.5G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:14 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



3.20

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-54.D Vial: 26
Signal #2 : D:\HPCHEM\5\18NOV96\C995-54.D\CONFIRM.D
Acq On : 19 Nov 96 12:15 PM Operator: JS
Sample : VHB / PB6 Inst : ECD1
Misc : 15.5G/25ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:54 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	10218	8475	40.989	43.399	
				Recovery	=	102.47%	108.50%	
2) S	Decachlorobiphenyl	22.16	30.38	6883	3267	33.833	33.636	
				Recovery	=	84.58%	84.09%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.18	11.66	538	376	4.983	3.881	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	471	397	2.517	2.347	
5) L1	Aroclor-1016	6.76	8.79	280	110	8.741	8.658	
6) L1	Aroclor-1016 {2}	8.88	10.32	236	275	13.900	9.772	#
7) L1	Aroclor-1016 {3}	9.25	12.24	591	152	22.913	8.986	#
Total	Aroclor-1016			1108	538	45.553	27.415	
Average	Aroclor-1016					15.184	9.138	
8) L2	Aroclor-1221	0.00	8.02	0	83	N.D.	13.578	#
9) L2	Aroclor-1221 {2}	0.00	8.56	0	460	N.D.	94.290	#
10) L2	Aroclor-1221 {3}	5.62	8.79	596	110	29.504	7.179	#
Total	Aroclor-1221			596	653	29.504	115.047	
Average	Aroclor-1221					29.504	38.349	
11) L3	Aroclor-1232	5.62	8.79	596	110	32.683	7.691	#
12) L3	Aroclor-1232 {2}	6.76	10.32	280	275	20.520	22.924	
13) L3	Aroclor-1232 {3}	8.55	12.24	184	152	22.227	21.967	
Total	Aroclor-1232			1060	538	75.429	52.582	
Average	Aroclor-1232					25.143	17.527	
14) L4	Aroclor-1242	5.62	8.79	596	110	25.072	5.823	#
15) L4	Aroclor-1242 {2}	6.76	10.32	280	275	6.613	7.422	
16) L4	Aroclor-1242 {3}	8.18	11.38	538	98	8.343	6.177	#
17) L4	Aroclor-1242 (4)	8.55	11.66	184	376	6.822	7.437	
18) L4	Aroclor-1242 (5)	8.88	12.24	236	152	10.647	6.850	#
Total	Aroclor-1242			1835	1012	57.498	33.708	
Average	Aroclor-1242					11.500	6.742	
19) L5	Aroclor-1248	9.25	14.96	591	181	20.978	9.013	#
20) L5	Aroclor-1248 {2}	10.02	15.17	503	241	21.402	11.702	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-54.D PCB1KE.M Tue Nov 19 12:55:04 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-54.D Vial: 26
Signal #2 : D:\HPCHEM\5\18NOV96\C995-54.D\CONFIRM.D
Acq On : 19 Nov 96 12:15 PM Operator: JS
Sample : VHB / PB6 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:54 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.30f	16.18	833	155	27.359	10.045 #
Total Aroclor-1248			1927	578	69.739	30.760
Average Aroclor-1248					23.246	10.253
22) L6 Aroclor-1254	13.02	17.17	348	310	10.034	9.934
23) L6 Aroclor-1254 {2}	13.36	17.56	1163	1040	16.159	15.070
24) L6 Aroclor-1254 {3}	13.86	17.99	744	440	22.155	10.099 #
25) L6 Aroclor-1254 (4)	14.20	18.51	454	555	9.697	19.781 #
26) L6 Aroclor-1254 (5)	15.75	20.05	910	917	16.883	20.916
Total Aroclor-1254			3619	3263	74.927	75.800 LM
Average Aroclor-1254					14.985	15.160
27) L7 Aroclor-1260	13.86	18.19	744	640	21.512	19.701
28) L7 Aroclor-1260 {2}	14.64	18.51	651	555	16.405	15.101
29) L7 Aroclor-1260 {3}	17.84	21.92	453	536	8.210	9.902
Total Aroclor-1260			1849	1731	46.127	44.704
Average Aroclor-1260					15.376	14.901
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.54	0	136	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	140	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

180/350

322

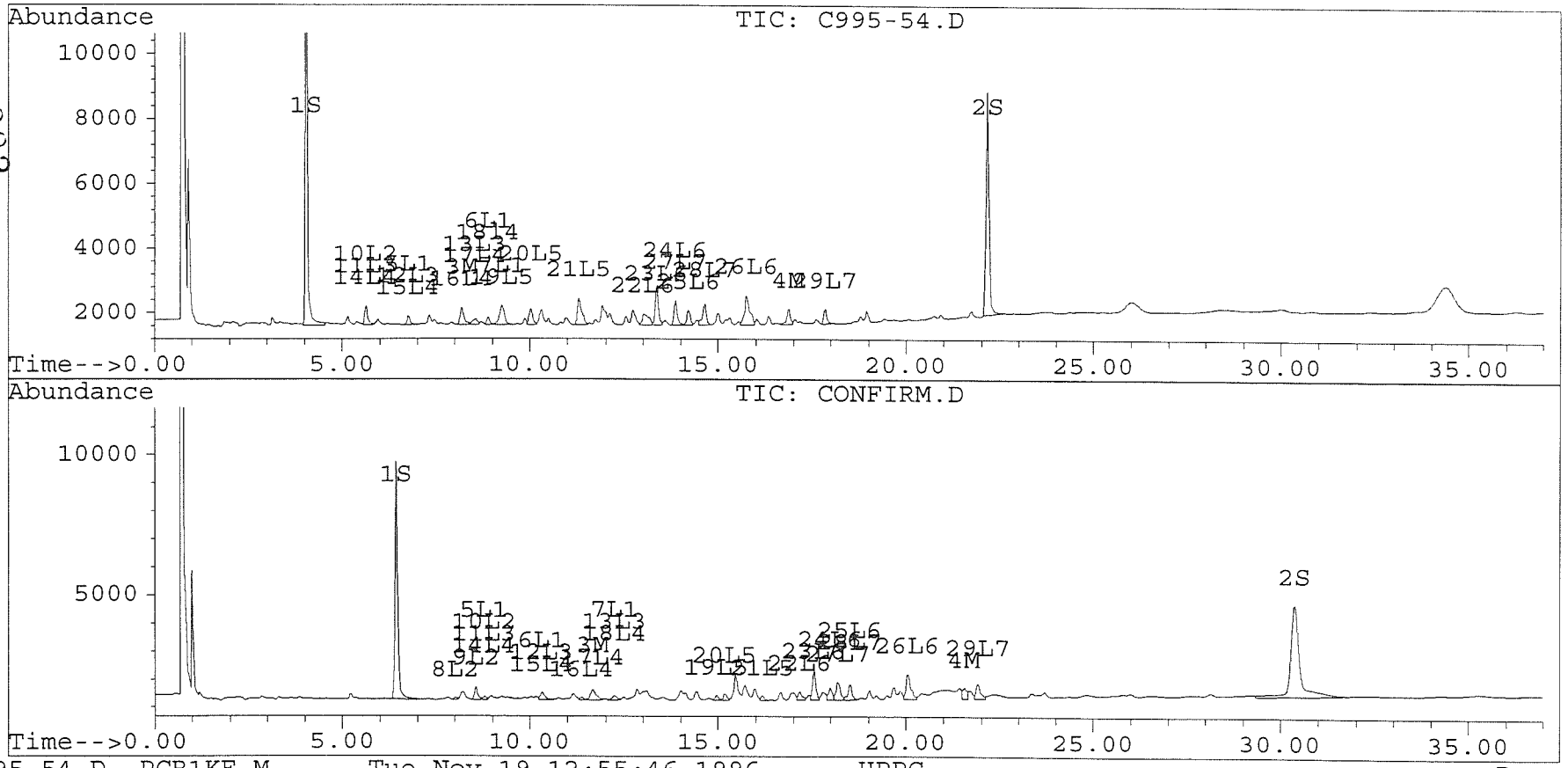
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-54.D Vial: 26
Signal #2 : D:\HPCHEM\5\18NOV96\C995-54.D\CONFIRM.D
Acq On : 19 Nov 96 12:15 PM Operator: JS
Sample : VHB / PB6 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 12:54 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-55.D Vial: 27
Signal #2 : D:\HPCHEM\5\18NOV96\C995-55.D\CONFIRM.D
Acq On : 19 Nov 96 02:49 PM Operator: JS
Sample : VHB / PC4 Inst : ECD1
Misc : 15.5G/25ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.43	9449	8020	37.906	41.073	
					Recovery	=	94.77%	102.68%	
2)	S	Decachlorobiphenyl	22.16	30.35f	7095	4742	34.875m	48.822m	#
					Recovery	=	87.19%	122.06%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.17	11.66	18525	13408	171.435	138.530	
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	2398	1536	12.822	9.089	#
5)	L1	Aroclor-1016	6.75	8.79	6153	1912	192.054	150.167	
6)	L1	Aroclor-1016 {2}	8.88	10.32	5944	5647	349.465	200.383	#
7)	L1	Aroclor-1016 {3}	9.26	12.24	13217	3760	512.242	221.820	#
		Total Aroclor-1016			25314	11319	1053.761	572.370	
		Average Aroclor-1016					351.254	190.790	
8)	L2	Aroclor-1221	5.05	8.02	274	354	39.047	57.957	#
9)	L2	Aroclor-1221 {2}	5.47	8.56	426	829	72.942	169.877	#
10)	L2	Aroclor-1221 {3}	5.64	8.79	2805	1912	138.836	124.521	
		Total Aroclor-1221			3504	3095	250.825	352.355	
		Average Aroclor-1221					83.608	117.452	
11)	L3	Aroclor-1232	5.64	8.79	2805	1912	153.796	133.400	
12)	L3	Aroclor-1232 {2}	6.75	10.32	6153	5647	450.869	470.075	
13)	L3	Aroclor-1232 {3}	8.55	12.24	4326	3760	522.603	542.269	
		Total Aroclor-1232			13284	11319	1127.267	1145.744	
		Average Aroclor-1232					375.756	381.915	
14)	L4	Aroclor-1242	5.64	8.79	2805	1912	117.983	100.993	
15)	L4	Aroclor-1242 {2}	6.75	10.32	6153	5647	145.306	152.184	
16)	L4	Aroclor-1242 {3}	8.17	11.37	18525	2607	287.074	163.786	#
17)	L4	Aroclor-1242 (4)	8.55	11.66	4326	13408	160.397	265.444	#
18)	L4	Aroclor-1242 (5)	8.88	12.24	5944	3760	267.682	169.107	#
		Total Aroclor-1242			37753	27334	978.442	851.513	
		Average Aroclor-1242					195.688	170.303	
19)	L5	Aroclor-1248	9.26	14.95	13217	4609	468.990	229.839	#
20)	L5	Aroclor-1248 {2}	10.01	15.17	11755	5973	500.295	289.530	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-55.D PCB1KE.M Tue Nov 26 13:20:24 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-55.D Vial: 27
Signal #2 : D:\HPCHEM\5\18NOV96\C995-55.D\CONFIRM.D
Acq On : 19 Nov 96 02:49 PM Operator: JS
Sample : VHB / PC4 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	9610	3291	315.727	212.663 #
Total Aroclor-1248			34582	13873	1285.012	732.032
Average Aroclor-1248					428.337	244.011
22) L6 Aroclor-1254	13.02	17.17	4360	3867	125.737	123.769
23) L6 Aroclor-1254 {2}	13.36	17.56	9667	8794	134.322	127.375
24) L6 Aroclor-1254 {3}	13.85	17.99	4814	4907	143.297	112.620
25) L6 Aroclor-1254 (4)	14.20	18.50	5310	3834	113.514	136.663
26) L6 Aroclor-1254 (5)	15.75	20.04	6858	5783	127.218	131.898
Total Aroclor-1254			31010	27185	644.087	632.325
Average Aroclor-1254					128.817	126.465
27) L7 Aroclor-1260	13.85	18.19	4814	3589	139.139	110.481
28) L7 Aroclor-1260 {2}	14.63	18.50	4558	3834	114.859	104.329
29) L7 Aroclor-1260 {3}	17.84	21.92	1970	1835	35.662	33.882
Total Aroclor-1260			11342	9258	289.660	248.692
Average Aroclor-1260					96.553	82.897
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	208	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242

$\frac{555 \times \frac{5}{2} \times 25}{15.5 \times 0.93} = 2410$

AR1254 =

$\frac{632 \times 25}{15.5 \times 0.93} = 1100$

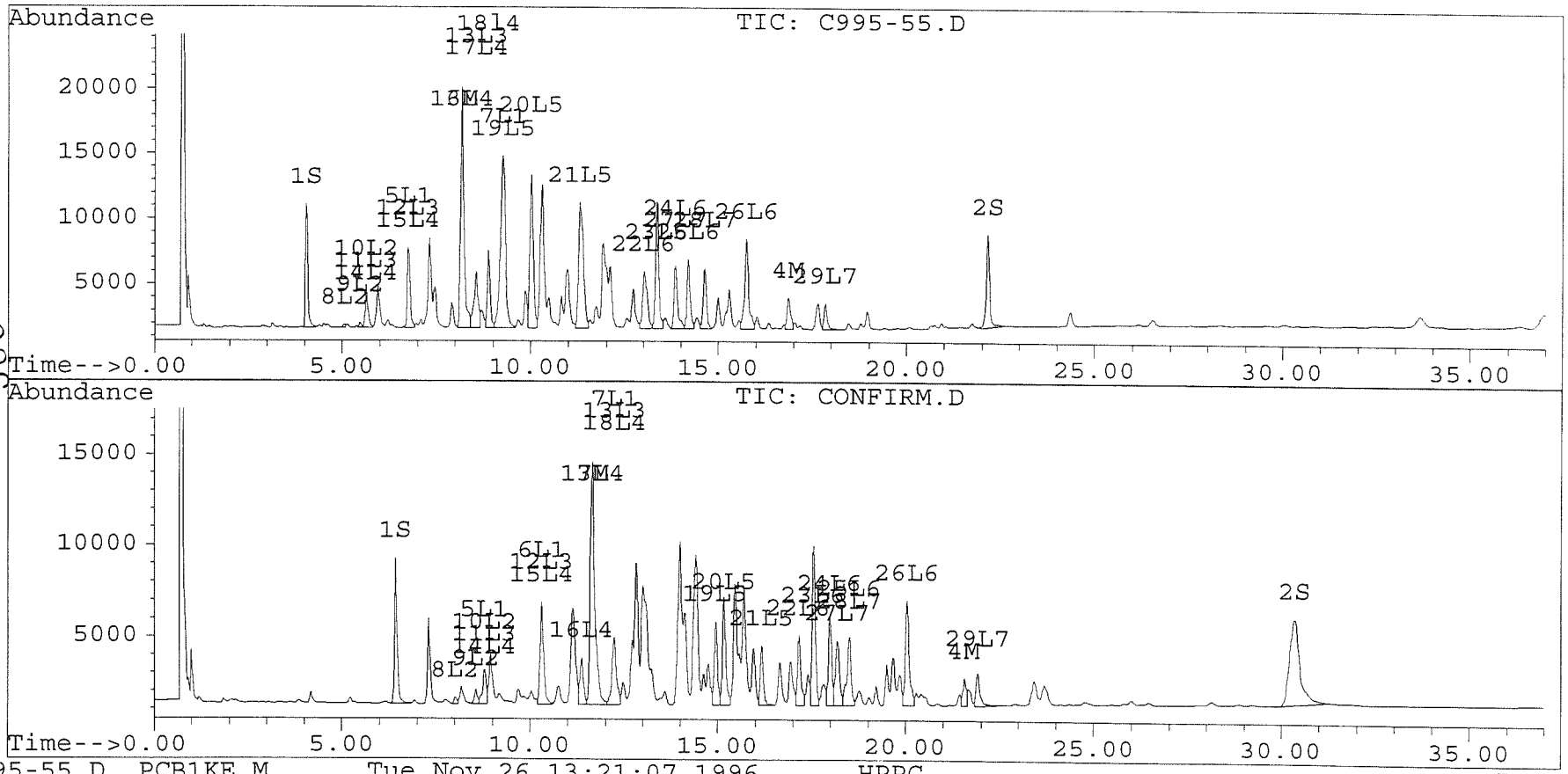
MRL = 170/350 325

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-55.D Vial: 27
Signal #2 : D:\HPCHEM\5\18NOV96\C995-55.D\CONFIRM.D
Acq On : 19 Nov 96 02:49 PM Operator: JS
Sample : VHB / PC4 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0240.D Vial: 52
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0240.D\CONFIRM.D
Acq On : 01 Dec 96 08:10 AM Operator: JS
Sample : VHB,C0995-56,PC5 RERUN Inst : SB2
Misc : 15.5g,25mL, 96% Solid, No Dilution Multiplr: 1.00
Quant Time: Dec 2 16:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.00	6.39	8691	6894	44.961	44.788	
					Recovery	=	112.40%	111.97%	
2)	S	Decachlorobiphenyl	22.09	30.24	7511	7661	47.471	103.489	#
					Recovery	=	118.68%	258.72%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.11	11.61	17169	12094	229.972	182.938	
4)	M	2,2',3,3',4,4'-Hexa	16.80	21.51	2304	1564	17.726	12.867	#
5)	L1	Aroclor-1016	6.70	8.75	5623	1720	228.687	181.513	
6)	L1	Aroclor-1016 {2}	8.82	10.27	5425	5062	452.298	238.427	#
7)	L1	Aroclor-1016 {3}	9.20	12.19	11907	3314	623.374	275.467	#
	Total	Aroclor-1016			22956	10096	1304.359	695.406	
	Average	Aroclor-1016					434.786	231.802	
8)	L2	Aroclor-1221	5.01f	7.98f	253	294	36.135	48.115	#
9)	L2	Aroclor-1221 {2}	5.43f	0.00	416	0	71.382	N.D.	#
10)	L2	Aroclor-1221 {3}	5.59f	8.75f	2671	1720	132.171	112.004	
	Total	Aroclor-1221			3340	2014	239.688	160.119	
	Average	Aroclor-1221					79.896	80.060	
11)	L3	Aroclor-1232	5.59f	8.75f	2671	1720	146.413	119.990	
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.	
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.	
	Total	Aroclor-1232			2671	1720	146.413	119.990	
	Average	Aroclor-1232					146.413	119.990	
14)	L4	Aroclor-1242	5.59	8.75	2671	1720	167.466	133.136	
15)	L4	Aroclor-1242 {2}	6.70	10.27	5623	5062	189.887	197.845	
16)	L4	Aroclor-1242 {3}	8.11	11.32	17169	2286	412.887	212.952	#
17)	L4	Aroclor-1242 (4)	8.50	11.61	3975	12094	230.432	372.552	#
18)	L4	Aroclor-1242 (5)	8.82	12.19	5425	3314	386.460	231.275	#
	Total	Aroclor-1242			34864	24476	1387.132	1147.759	
	Average	Aroclor-1242					277.426	229.552	
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.	
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0240.D PCB1LE.M Mon Dec 02 16:09:51 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0240.D Vial: 52
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0240.D\CONFIRM.D
Acq On : 01 Dec 96 08:10 AM Operator: JS
Sample : VHB,C0995-56,PC5 RERUN Inst : SB2
Misc : 15.5g,25mL, 96% Solid, No Dilution Multiplr: 1.00
Quant Time: Dec 2 16:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	4022	3365	171.614	160.258
23) L6 Aroclor-1254 (2)	13.29	17.50	8869	7844	180.662	165.819
24) L6 Aroclor-1254 (3)	13.78	17.93	4413	4558	190.478	158.900
25) L6 Aroclor-1254 (4)	14.13	18.45	5056	3408	166.539	176.397
26) L6 Aroclor-1254 (5)	15.68	19.99	6439	5377	176.816	180.083
Total Aroclor-1254			28799	24552	886.108	841.457
Average Aroclor-1254					177.222	168.291
27) L7 Aroclor-1260	13.78	18.13	4413	3128	173.718	130.101 #
28) L7 Aroclor-1260 (2)	14.57	18.45	4253	3408	147.128	126.478
29) L7 Aroclor-1260 (3)	17.77	21.86	1898	1773	47.005	43.438
Total Aroclor-1260			10564	8309	367.851	300.016
Average Aroclor-1260					122.617	100.005
30) L8 Aroclor-1268	18.89	0.00	1349	0	NoCal	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 = $\frac{799 \times \frac{5}{2} \times 25}{15.5 \times 0.96} = 3360$

AR1254 = $\frac{841 \times 25}{15.5 \times 0.96} = 1410$

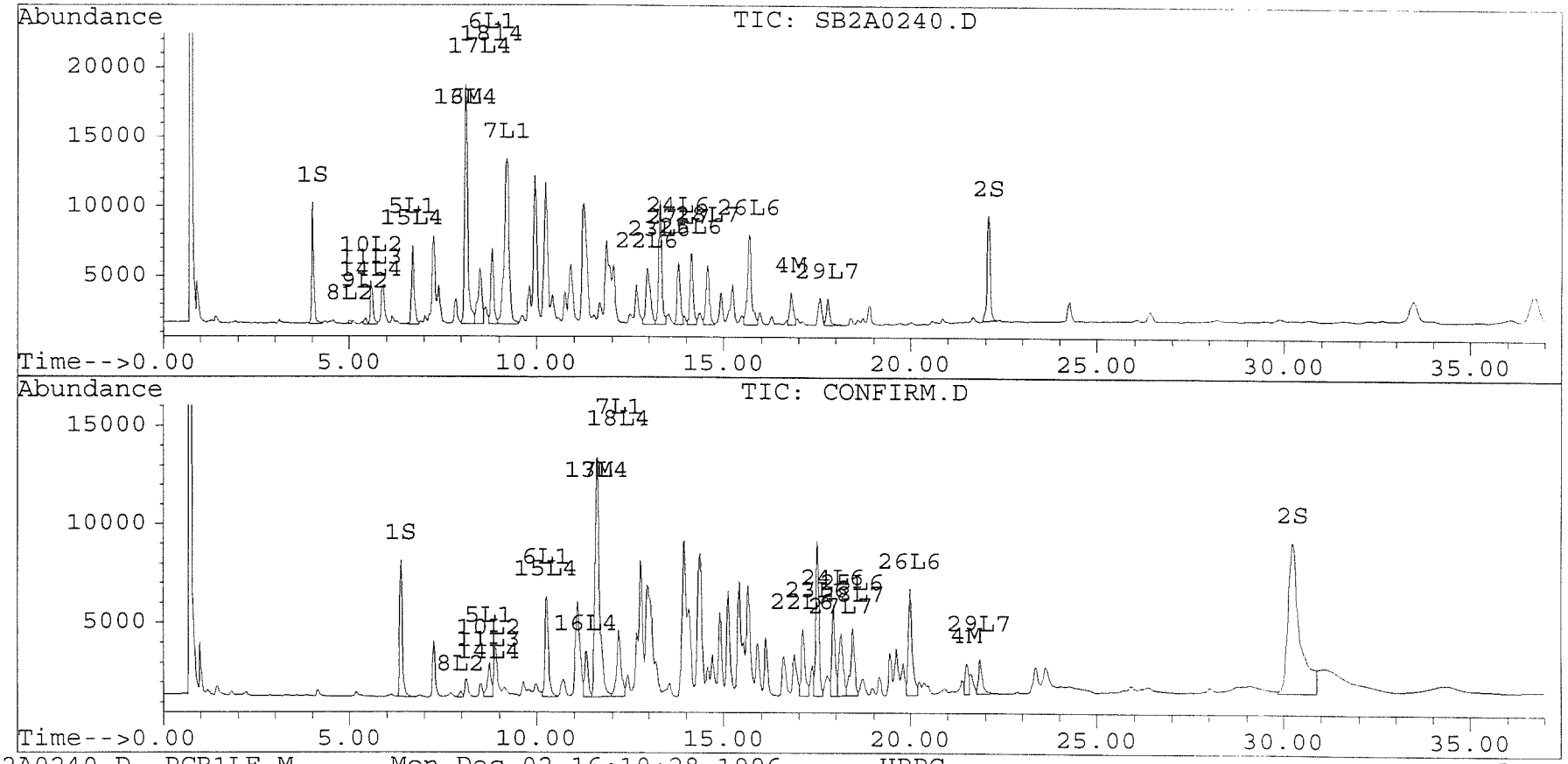
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0240.D PCB1LE.M Mon Dec 02 16:09:57 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0240.D Vial: 52
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0240.D\CONFIRM.D
Acq On : 01 Dec 96 08:10 AM Operator: JS
Sample : VHB,C0995-56,PC5 RERUN Inst : SB2
Misc : 15.5g,25mL, 96% Solid, No Dilution Multiplr: 1.00
Quant Time: Dec 2 16:09 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-56.D Vial: 28
Signal #2 : D:\HPCHEM\5\18NOV96\C995-56.D\CONFIRM.D
Acq On : 19 Nov 96 03:29 PM Operator: JS
Sample : VHB / PC5 Inst : ECD1
Misc : 15.5G/25ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	15656	12953	62.805	66.335
				Recovery	=	157.01%	165.84%
2) S	Decachlorobiphenyl	22.15	30.38	11842	5148	58.206m	53.003
				Recovery	=	145.52%	132.51%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	49316	37764	456.375	390.168
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	5109	3455	27.320	20.438 #
5) L1	Aroclor-1016	6.75	8.80	10131	2123	316.210	166.773 #
6) L1	Aroclor-1016 {2}	8.88	10.32	16361	9426	961.916	334.475 #
7) L1	Aroclor-1016 {3}	9.27	12.24	26424	7055	1024.076	416.185 #
Total	Aroclor-1016			52916	18605	2302.203	917.433
Average	Aroclor-1016					767.401	305.811
8) L2	Aroclor-1221	5.05	8.01	236	3078	33.730	503.351 #
9) L2	Aroclor-1221 {2}	0.00	8.56	0	1471	N.D.	301.672 #
10) L2	Aroclor-1221 {3}	5.64	8.80	3827	2123	189.397	138.292 #
Total	Aroclor-1221			4063	6673	223.126	943.315
Average	Aroclor-1221					111.563	314.438
11) L3	Aroclor-1232	5.64	8.80	3827	2123	209.805	148.153 #
12) L3	Aroclor-1232 {2}	6.75	10.32	10131	9426	742.338	784.638
13) L3	Aroclor-1232 {3}	8.55	12.24	8511	7055	1028.226	1017.422
Total	Aroclor-1232			22469	18605	1980.369	1950.212
Average	Aroclor-1232					660.123	650.071
14) L4	Aroclor-1242	5.64	8.80	3827	2123	160.949	112.161 #
15) L4	Aroclor-1242 {2}	6.75	10.32	10131	9426	239.241	254.022
16) L4	Aroclor-1242 {3}	8.17	11.37	49316	4664	764.216	293.023 #
17) L4	Aroclor-1242 (4)	8.55	11.66	8511	37764	315.583	747.621 #
18) L4	Aroclor-1242 (5)	8.88	12.24	16361	7055	736.806	317.283 #
Total	Aroclor-1242			88146	61033	2216.795	1724.111
Average	Aroclor-1242					443.359	344.822
19) L5	Aroclor-1248	9.27	14.95	26424	12994	937.607	648.029 #
20) L5	Aroclor-1248 {2}	10.01	15.17	24148	14672	1027.766	711.153 #

330

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-56.D Vial: 28
Signal #2 : D:\HPCHEM\5\18NOV96\C995-56.D\CONFIRM.D
Acq On : 19 Nov 96 03:29 PM Operator: JS
Sample : VHB / PC5 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	22426	8439	736.756	545.317 #
Total	Aroclor-1248			72998	36104	2702.128	1904.498
Average	Aroclor-1248					900.709	634.833
22) L6	Aroclor-1254	13.02	17.17	9114	8120	262.819	259.871
23) L6	Aroclor-1254 {2}	13.36	17.56	19313	18000	268.350	260.712
24) L6	Aroclor-1254 {3}	13.85	17.99	9721	12171	289.322	279.350
25) L6	Aroclor-1254 (4)	14.20	18.50	13001	7777	277.904	277.217
26) L6	Aroclor-1254 (5)	15.75	20.04	15143	12275	280.912	279.991
Total	Aroclor-1254			66291	58343	1379.307	1357.141
Average	Aroclor-1254					275.861	271.428
27) L7	Aroclor-1260	13.85	18.19	9721	6937	280.928	213.532
28) L7	Aroclor-1260 {2}	14.62	18.50	11077	7777	279.164	211.627
29) L7	Aroclor-1260 {3}	17.84	21.92	3865	3099	69.980	57.233
Total	Aroclor-1260			24663	17813	630.072	482.392
Average	Aroclor-1260					210.024	160.797
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.12	0	1120	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - use 2pks

$$\frac{1500 \times \frac{5}{2} \times 25}{15.5 \times 0.96} = 6300$$

AR1254 =

$$\frac{1357 \times 25}{15.5 \times 0.96} \quad 2280$$

331

170 | 340

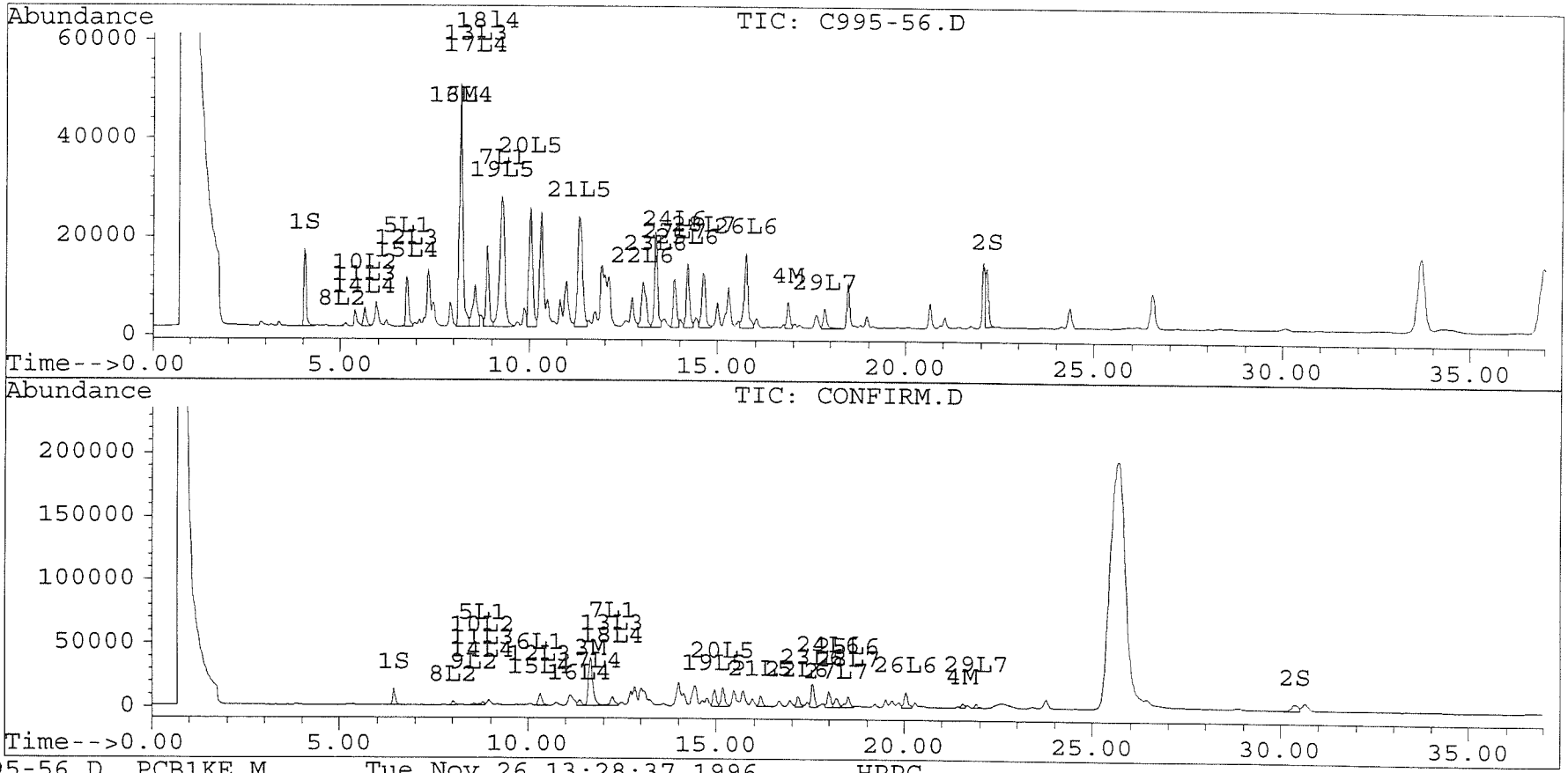
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-56.D Vial: 28
Signal #2 : D:\HPCHEM\5\18NOV96\C995-56.D\CONFIRM.D
Acq On : 19 Nov 96 03:29 PM Operator: JS
Sample : VHB / PC5 Inst : ECD1
Misc : 15.5G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 26 13:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-57.D Vial: 29
Signal #2 : D:\HPCHEM\5\18NOV96\C995-57.D\CONFIRM.D
Acq On : 19 Nov 96 04:10 PM Operator: JS
Sample : VHB / PC6 Inst : ECD1
Misc : 15.1G/25ML 9% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 16:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	9548	7745	38.303	39.664	
				Recovery	=	95.76%	99.16%	
2) S	Decachlorobiphenyl	22.16	30.38	6357	3136	31.246	32.286	
				Recovery	=	78.11%	80.72%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	13871	10148	128.369	104.843	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	1523	1095	8.144	6.478	
5) L1	Aroclor-1016	6.75	8.80	3959	1117	123.570	87.720	#
6) L1	Aroclor-1016 (2)	8.88	10.32	4187	3632	246.200	128.861	#
7) L1	Aroclor-1016 (3)	9.26	12.24	8341	2412	323.243	142.302	#
Total	Aroclor-1016			16487	7161	693.013	358.883	
Average	Aroclor-1016					231.004	119.628	
8) L2	Aroclor-1221	5.05	8.02	153	246	21.824	40.267	#
9) L2	Aroclor-1221 (2)	5.47	8.56	257	685	44.073	140.535	#
10) L2	Aroclor-1221 (3)	5.64	8.80	1890	1117	93.523	72.739	
Total	Aroclor-1221			2300	2048	159.420	253.541	
Average	Aroclor-1221					53.140	84.514	
11) L3	Aroclor-1232	5.64	8.80	1890	1117	103.601	77.926	
12) L3	Aroclor-1232 (2)	6.75	10.32	3959	3632	290.093	302.292	
13) L3	Aroclor-1232 (3)	8.55	12.24	2705	2412	326.770	347.877	
Total	Aroclor-1232			8554	7161	720.464	728.094	
Average	Aroclor-1232					240.155	242.698	
14) L4	Aroclor-1242	5.64	8.80	1890	1117	79.476	58.995	#
15) L4	Aroclor-1242 (2)	6.75	10.32	3959	3632	93.491	97.865	
16) L4	Aroclor-1242 (3)	8.17	11.37	13871	1602	214.958	100.668	#
17) L4	Aroclor-1242 (4)	8.55	11.66	2705	10148	100.292	200.895	#
18) L4	Aroclor-1242 (5)	8.88	12.24	4187	2412	188.584	108.485	#
Total	Aroclor-1242			26613	18911	676.801	566.909	
Average	Aroclor-1242					135.360	113.382	
19) L5	Aroclor-1248	9.26	14.95	8341	3946	295.950	196.810	#
20) L5	Aroclor-1248 (2)	10.01	15.17	7277	4389	309.719	212.725	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-57.D PCB1KE.M Tue Nov 19 16:49:23 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-57.D Vial: 29
Signal #2 : D:\HPCHEM\5\18NOV96\C995-57.D\CONFIRM.D
Acq On : 19 Nov 96 04:10 PM Operator: JS
Sample : VHB / PC6 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 16:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	7074	2854	232.392	184.456
Total Aroclor-1248			22691	11189	838.061	593.990
Average Aroclor-1248					279.354	197.997
22) L6 Aroclor-1254	13.02	17.17	2703	2440	77.955	78.086
23) L6 Aroclor-1254 {2}	13.36	17.56	5949	5494	82.665	79.582
24) L6 Aroclor-1254 {3}	13.85	17.99	3034	3578	90.292	82.110
25) L6 Aroclor-1254 (4)	14.20	18.51	3796	2461	81.145	87.714
26) L6 Aroclor-1254 (5)	15.75	20.04	4225	3515	78.382	80.170
Total Aroclor-1254			19708	17487	410.439	407.662
Average Aroclor-1254					82.088	81.532
27) L7 Aroclor-1260	13.85	18.19	3034	2271	87.672	69.888
28) L7 Aroclor-1260 {2}	14.63	18.51	3036	2461	76.504	66.961
29) L7 Aroclor-1260 {3}	17.84	21.92	1209	1266	21.885	23.389
Total Aroclor-1260			7278	5998	186.062	160.238
Average Aroclor-1260					62.021	53.413
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	240	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2 pks

$\frac{403 \times \frac{5}{2} \times 25}{15.1 \times 0.9} = 1850$

AR1254

$\frac{408 \times 25}{15.1 \times 0.9} = 750$

334 MRL = 180/370

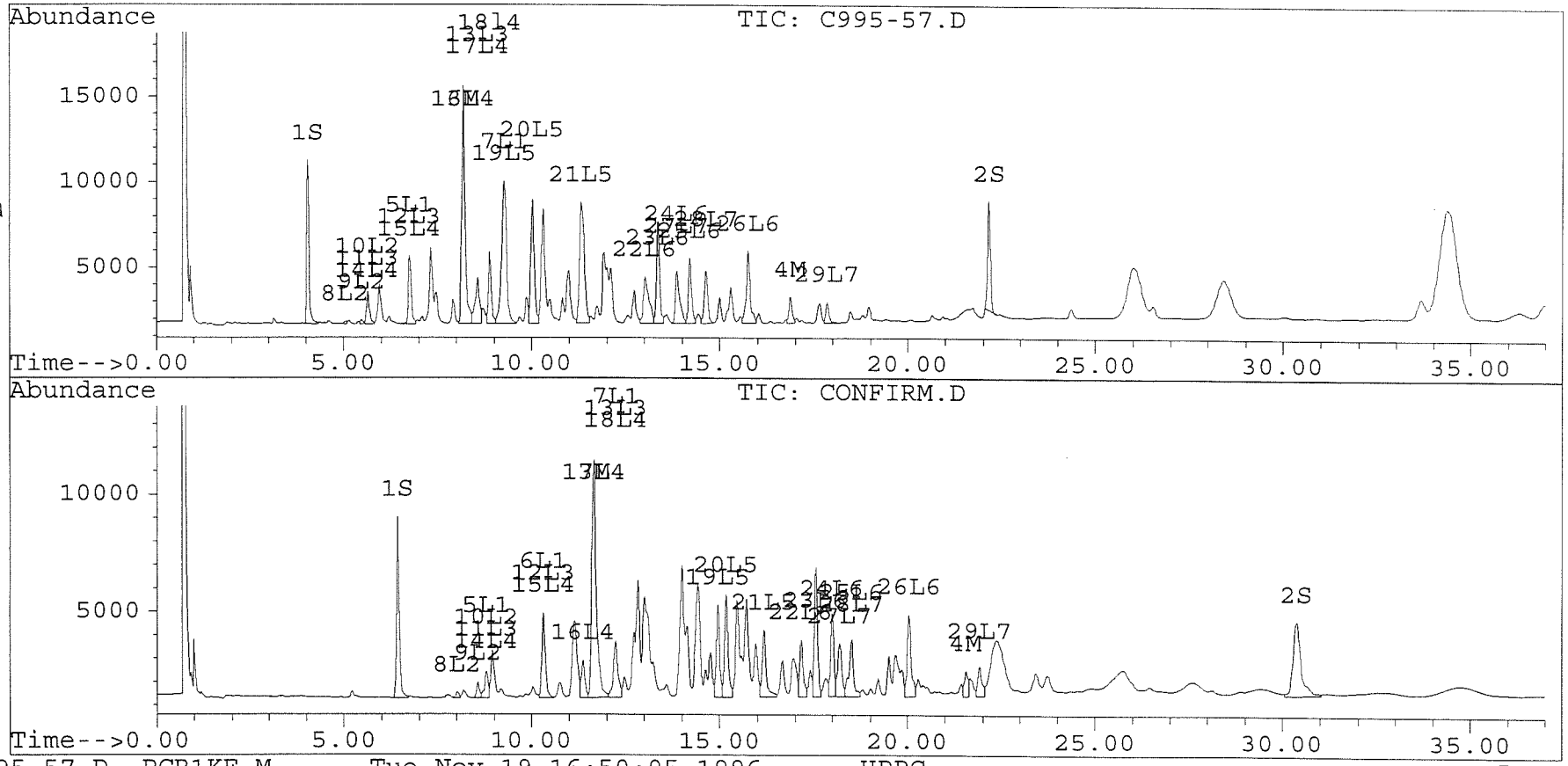
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-57.D Vial: 29
Signal #2 : D:\HPCHEM\5\18NOV96\C995-57.D\CONFIRM.D
Acq On : 19 Nov 96 04:10 PM Operator: JS
Sample : VHB / PC6 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 16:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-58.D Vial: 30
Signal #2 : D:\HPCHEM\5\18NOV96\C995-58.D\CONFIRM.D
Acq On : 19 Nov 96 04:50 PM Operator: JS
Sample : VHB / PD4 Inst : ECD1
Misc : 15.1G/25ML 44% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 17:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	9736	8086	39.058	41.409	
				Recovery	=	97.65%	103.52%	
2) S	Decachlorobiphenyl	22.16	30.38	6901	3256	33.918	33.525	
				Recovery	=	84.80%	83.81%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.65	3846	2778	35.596	28.703	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	266	186	1.423	1.102	
5) L1	Aroclor-1016	6.75	8.80	3302	1030	103.075	80.939	
6) L1	Aroclor-1016 (2)	8.88	10.32	1216	2949	71.487	104.629	#
7) L1	Aroclor-1016 (3)	9.27	12.25	1886	1108	73.107	65.348	
Total	Aroclor-1016			6405	5087	247.669	250.917	
Average	Aroclor-1016					82.556	83.639	
8) L2	Aroclor-1221	5.05	8.02	151	243	21.513	39.815	#
9) L2	Aroclor-1221 (2)	5.47	8.56	277	634	47.488	130.069	#
10) L2	Aroclor-1221 (3)	5.64	8.80	1614	1030	79.860	67.117	
Total	Aroclor-1221			2041	1908	148.861	237.001	
Average	Aroclor-1221					49.620	79.000	
11) L3	Aroclor-1232	5.64	8.80	1614	1030	88.465	71.902	
12) L3	Aroclor-1232 (2)	6.75	10.32	3302	2949	241.980	245.447	
13) L3	Aroclor-1232 (3)	8.56	12.25	1329	1108	160.504	159.753	
Total	Aroclor-1232			6245	5087	490.950	477.102	
Average	Aroclor-1232					163.650	159.034	
14) L4	Aroclor-1242	5.64	8.80	1614	1030	67.865	54.435	
15) L4	Aroclor-1242 (2)	6.75	10.32	3302	2949	77.985	79.462	
16) L4	Aroclor-1242 (3)	8.17	11.38	3846	1177	59.607	73.933	
17) L4	Aroclor-1242 (4)	8.56	11.65	1329	2778	49.262	54.998	
18) L4	Aroclor-1242 (5)	8.88	12.25	1216	1108	54.757	49.819	
Total	Aroclor-1242			11307	9042	309.476	312.647	
Average	Aroclor-1242					61.895	62.529	
19) L5	Aroclor-1248	9.27	14.96	1886	585	66.934	29.177	#
20) L5	Aroclor-1248 (2)	10.02	15.17	1480	673	62.992	32.600	#

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-58.D Vial: 30
Signal #2 : D:\HPCHEM\5\18NOV96\C995-58.D\CONFIRM.D
Acq On : 19 Nov 96 04:50 PM Operator: JS
Sample : VHB / PD4 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 17:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
21) L5	Aroclor-1248 {3}	11.32	16.18	986	436	32.396	28.150	
Total	Aroclor-1248			4352	1693	162.322	89.927	
Average	Aroclor-1248					54.107	29.976	
22) L6	Aroclor-1254	13.02	17.17	334	315	9.631	10.069	
23) L6	Aroclor-1254 {2}	13.36	17.55	820	651	11.393	9.433	
24) L6	Aroclor-1254 {3}	13.86	18.00	483	434	14.367	9.972	#
25) L6	Aroclor-1254 (4)	14.20	18.51	481	351	10.283	12.524	
26) L6	Aroclor-1254 (5)	15.75	20.05	600	561	11.127	12.792	
Total	Aroclor-1254			2718	2313	56.801	54.791	
Average	Aroclor-1254					11.360	10.958	
27) L7	Aroclor-1260	13.86	18.18	483	368	13.950	11.321	
28) L7	Aroclor-1260 {2}	14.64	18.51	452	351	11.385	9.561	
29) L7	Aroclor-1260 {3}	17.84	21.92	255	282	4.618	5.205	
Total	Aroclor-1260			1190	1001	29.953	26.086	
Average	Aroclor-1260					9.984	8.695	
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.	
31) L8	Aroclor-1268 {2}	0.00	23.54	0	81	N.D.	NoCal	
32) L8	Aroclor-1268 {3}	0.00	28.14f	0	87	N.D.	NoCal	
Total	Aroclor-1268			0	0	N.D.	N.D.	
Average	Aroclor-1268					0.000	0.000	

AR1242 = the 5pts
$\frac{313 \times 25}{15.1 \times 0.94} = 550$

184/350

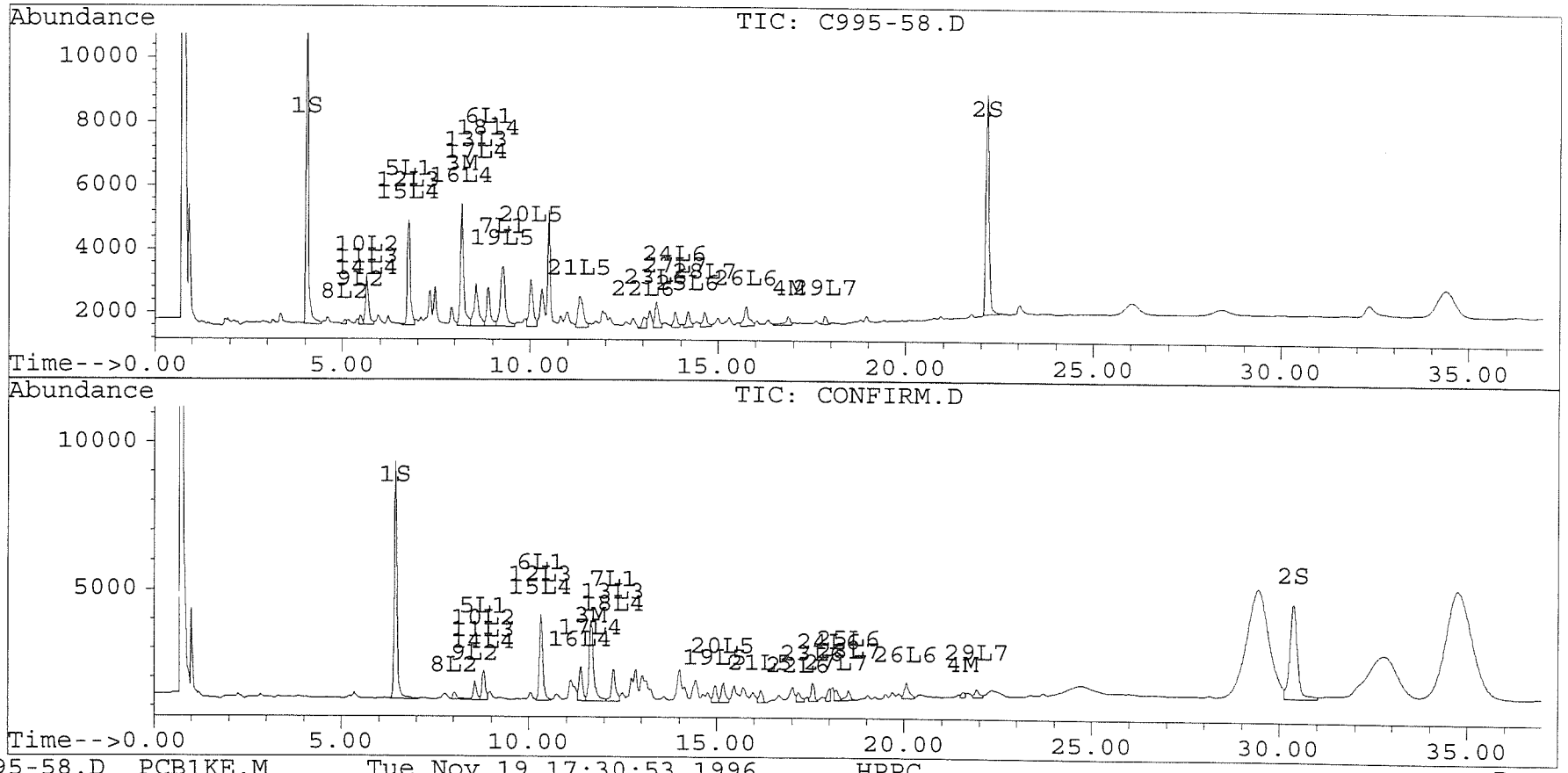
337

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-58.D Vial: 30
Signal #2 : D:\HPCHEM\5\18NOV96\C995-58.D\CONFIRM.D
Acq On : 19 Nov 96 04:50 PM Operator: JS
Sample : VHB / PD4 Inst : ECD1
Misc : 15.1G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 17:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-59.D Vial: 31
Signal #2 : D:\HPCHEM\5\18NOV96\C995-59.D\CONFIRM.D
Acq On : 19 Nov 96 05:31 PM Operator: JS
Sample : VHB / PD5 Inst : ECD1
Misc : 15.0G/25ML 94% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 18:10 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9406	7858	37.732	40.244
					Recovery	=	94.33%	100.61%
2)	S	Decachlorobiphenyl	22.16	30.38	6112	3224	30.040	33.193
					Recovery	=	75.10%	82.98%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	47097	35535	435.845	367.133
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	5587	3721	29.880	22.015 #
5)	L1	Aroclor-1016	6.75	8.79	11775	3630	367.512	285.124
6)	L1	Aroclor-1016 {2}	8.88	10.32	15128	10750	889.441	381.424 #
7)	L1	Aroclor-1016 {3}	9.27	12.24	26689	8239	1034.347	486.043 #
		Total Aroclor-1016			53592	22619	2291.300	1152.591
		Average Aroclor-1016					763.767	384.197
8)	L2	Aroclor-1221	5.05	8.02	505	948	72.085	155.007 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	894	3569	153.199	731.787 #
10)	L2	Aroclor-1221 {3}	5.63	8.79	7532	3630	372.776	236.431 #
		Total Aroclor-1221			8931	8147	598.061	1123.225
		Average Aroclor-1221					199.354	374.408
11)	L3	Aroclor-1232	5.63	8.79	7532	3630	412.945	253.289 #
12)	L3	Aroclor-1232 {2}	6.75	10.32	11775	10750	862.774	894.775
13)	L3	Aroclor-1232 {3}	8.55	12.24	9635	8239	1163.967	1188.197
		Total Aroclor-1232			28942	22619	2439.686	2336.262
		Average Aroclor-1232					813.229	778.754
14)	L4	Aroclor-1242	5.63	8.79	7532	3630	316.785	191.756 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	11775	10750	278.055	289.678
16)	L4	Aroclor-1242 {3}	8.17	11.37	47097	5793	729.839	363.938 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	9635	35535	357.245	703.483 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	15128	8239	681.291	370.540 #
		Total Aroclor-1242			91167	63946	2363.215	1919.395
		Average Aroclor-1242					472.643	383.879
19)	L5	Aroclor-1248	9.27	14.95	26689	13367	947.011	666.627 #
20)	L5	Aroclor-1248 {2}	10.01	15.17	24739	14062	1052.927	681.580 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-59.D Vial: 31
Signal #2 : D:\HPCHEM\5\18NOV96\C995-59.D\CONFIRM.D
Acq On : 19 Nov 96 05:31 PM Operator: JS
Sample : VHB / PD5 Inst : ECD1
Misc : 15.0G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 18:10 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	24314	7712	798.772	498.363 #
Total Aroclor-1248			75741	35140	2798.709	1846.570
Average Aroclor-1248					932.903	615.523
22) L6 Aroclor-1254	13.02	17.17	10575	9501	304.971	304.071
23) L6 Aroclor-1254 {2}	13.36	17.55	22519	20422	312.897	295.794
24) L6 Aroclor-1254 {3}	13.85	17.99	10933	12944	325.418	297.091
25) L6 Aroclor-1254 (4)	14.20	18.50	14349	8858	306.734	315.754
26) L6 Aroclor-1254 (5)	15.74	20.04	16602	13244	307.972	302.085
Total Aroclor-1254			74979	64969	1557.991	1514.795
Average Aroclor-1254					311.598	302.959
27) L7 Aroclor-1260	13.85	18.19	10933	8043	315.976	247.585
28) L7 Aroclor-1260 {2}	14.63	18.50	9843	8858	248.062	241.047
29) L7 Aroclor-1260 {3}	17.84	21.92	4185	3693	75.765	68.205
Total Aroclor-1260			24961	20594	639.803	556.837
Average Aroclor-1260					213.268	185.612
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	281	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$\frac{1418 \times \frac{5}{2} \times 25}{15 \times 0.94} = 625$

AR1254

$\frac{1514 \times 25}{15 \times 0.94} = 268$

MRL = 340

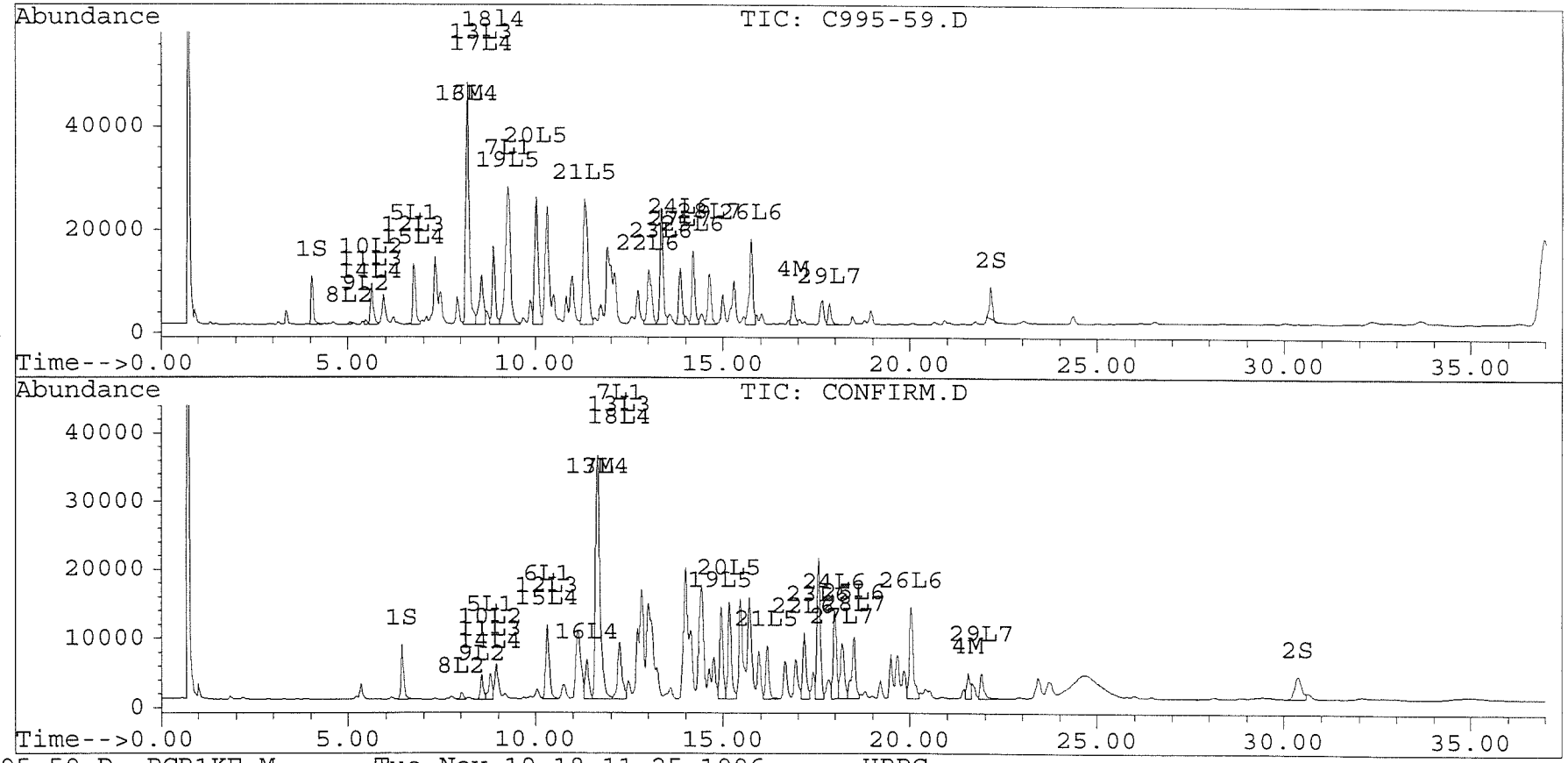
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\C995-59.D Vial: 31
Signal #2 : D:\HPCHEM\5\18NOV96\C995-59.D\CONFIRM.D
Acq On : 19 Nov 96 05:31 PM Operator: JS
Sample : VHB / PD5 Inst : ECD1
Misc : 15.0G/25ML % SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 18:10 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113B1A.D Vial: 8
Signal #2 : D:\HPCHEM\5\18NOV96\P1113B1A.D\CONFIRM.D
Acq On : 19 Nov 96 08:25 AM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:02 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9630	8049	38.632	41.221
					Recovery	=	96.58%	103.05%
2)	S	Decachlorobiphenyl	22.16	30.37	6847	3157	33.652	32.506
					Recovery	=	84.13%	81.27%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	11.71	0	15	N.D.	0.160 #
4)	M	2,2',3,3',4,4'-Hexa	16.87	0.00	497	0	2.656	N.D. #
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16)	L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17)	L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.	N.D.
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
19)	L5	Aroclor-1248	0.00	14.97	0	30	N.D.	1.479 #
20)	L5	Aroclor-1248 {2}	0.00	15.18	0	23	N.D.	1.126 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1113B1A.D PCB1K.M Tue Nov 19 09:02:57 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113B1A.D Vial: 8
Signal #2 : D:\HPCHEM\5\18NOV96\P1113B1A.D\CONFIRM.D
Acq On : 19 Nov 96 08:25 AM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:02 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.22f	18	72	0.597	4.645 #
Total	Aroclor-1248			18	125	0.597	7.250
Average	Aroclor-1248					0.597	2.417
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	0.00	17.59	0	96	N.D.	1.384 #
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	N.D.
25) L6	Aroclor-1254 (4)	14.24	0.00	22	0	0.470	N.D. #
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			22	96	0.470	1.384
Average	Aroclor-1254					0.470	1.384
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7	Aroclor-1260 {2}	14.62	0.00	25	0	0.618	N.D. #
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1260			25	0	0.618	N.D.
Average	Aroclor-1260					0.618	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

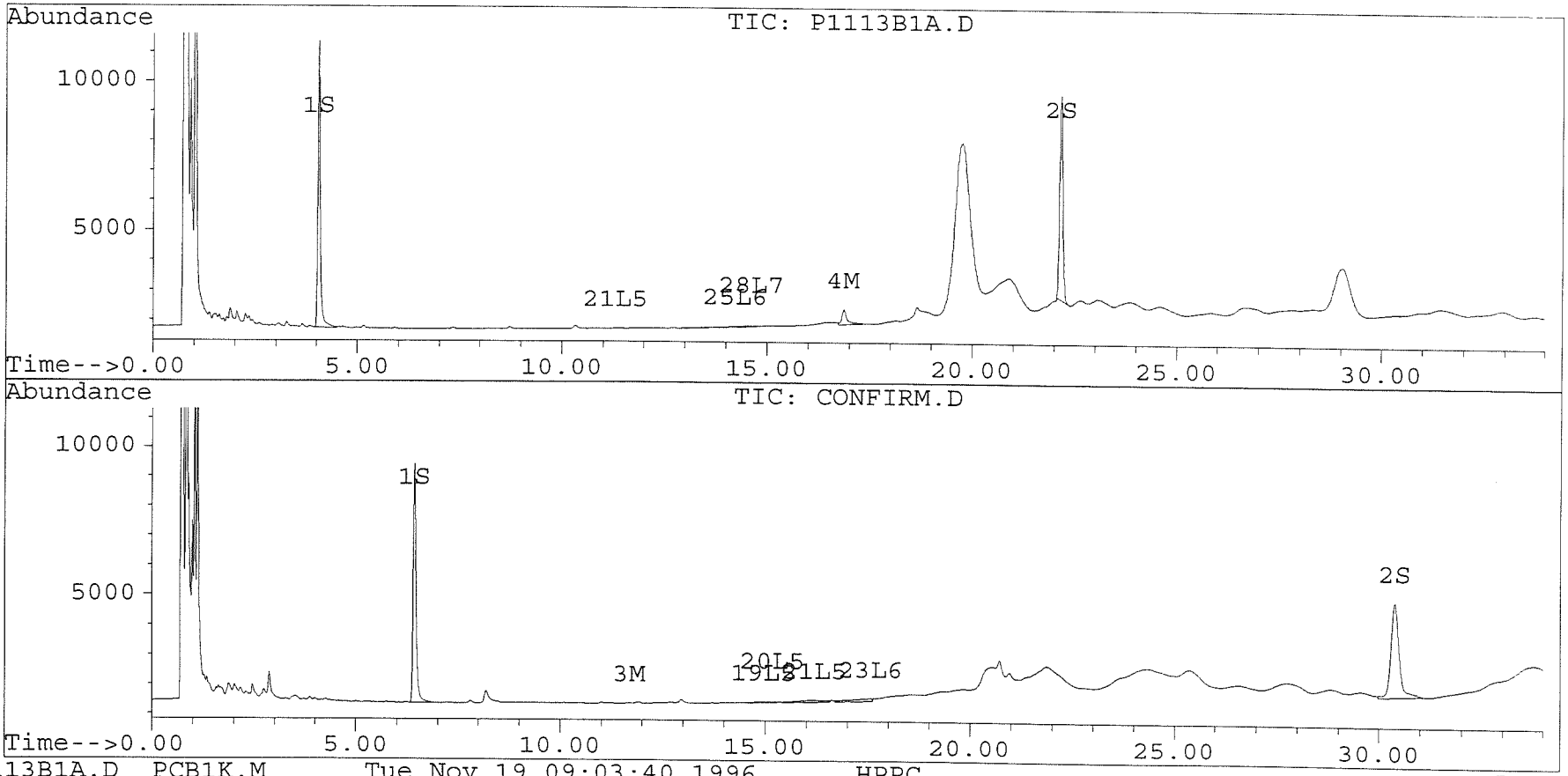
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1113B1A.D PCB1K.M Tue Nov 19 09:03:16 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113B1A.D Vial: 8
Signal #2 : D:\HPCHEM\5\18NOV96\P1113B1A.D\CONFIRM.D
Acq On : 19 Nov 96 08:25 AM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 9:02 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\1113-L1A.D Vial: 34
Signal #2 : D:\HPCHEM\5\18NOV96\1113-L1A.D\CONFIRM.D
Acq On : 19 Nov 96 07:33 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 20:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Use this

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4936	4002	19.801	20.497
				Recovery	=	49.50% 99	51.24%
2) S	Decachlorobiphenyl	22.16	30.38	3507	1727	17.239	17.778
				Recovery	=	43.10% 86	44.44%
	Target Compounds					98%	
3) M	2,4,4'-Trichlorobip	8.17	11.67	53258	49622	492.859	512.673
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	92429	81281	494.270	480.852 91
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	0.00	10.32	0	26	N.D.	0.919 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			0	26	N.D.	0.919
Average	Aroclor-1016					0.000	0.919
8) L2	Aroclor-1221	5.03	8.01	94	76	13.464	12.347
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			94	76	13.464	12.347
Average	Aroclor-1221					13.464	12.347
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	10.32	0	26	N.D.	2.155 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	26	N.D.	2.155
Average	Aroclor-1232					0.000	2.155
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	0.00	10.32	0	26	N.D.	0.698 #
16) L4	Aroclor-1242 {3}	8.17	0.00	53258	0	825.311	N.D. #
17) L4	Aroclor-1242 (4)	0.00	11.67	0	49622	N.D.	982.360 #
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1242			53258	49647	825.311	983.058
Average	Aroclor-1242					825.311	491.529
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	15.18	395	61	N.D.	2.945 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\1113-L1A.D Vial: 34
Signal #2 : D:\HPCHEM\5\18NOV96\1113-L1A.D\CONFIRM.D
Acq On : 19 Nov 96 07:33 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 20:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.37f	16.19	38	66	1.234	4.282 #
Total	Aroclor-1248			38	127	1.234	7.228
Average	Aroclor-1248					1.234	3.614
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	13.36	0.00	78	0	1.085	N.D. #
24) L6	Aroclor-1254 {3}	13.84	0.00	352	0	10.491	N.D. #
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			431	0	11.576	N.D.
Average	Aroclor-1254					5.788	0.000
27) L7	Aroclor-1260	13.84	0.00	352	0	10.187	N.D. #
28) L7	Aroclor-1260 {2}	14.62	0.00	122	0	3.074	N.D. #
29) L7	Aroclor-1260 {3}	17.83	0.00	75	0	1.354	N.D. #
Total	Aroclor-1260			549	0	14.615	N.D.
Average	Aroclor-1260					4.872	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

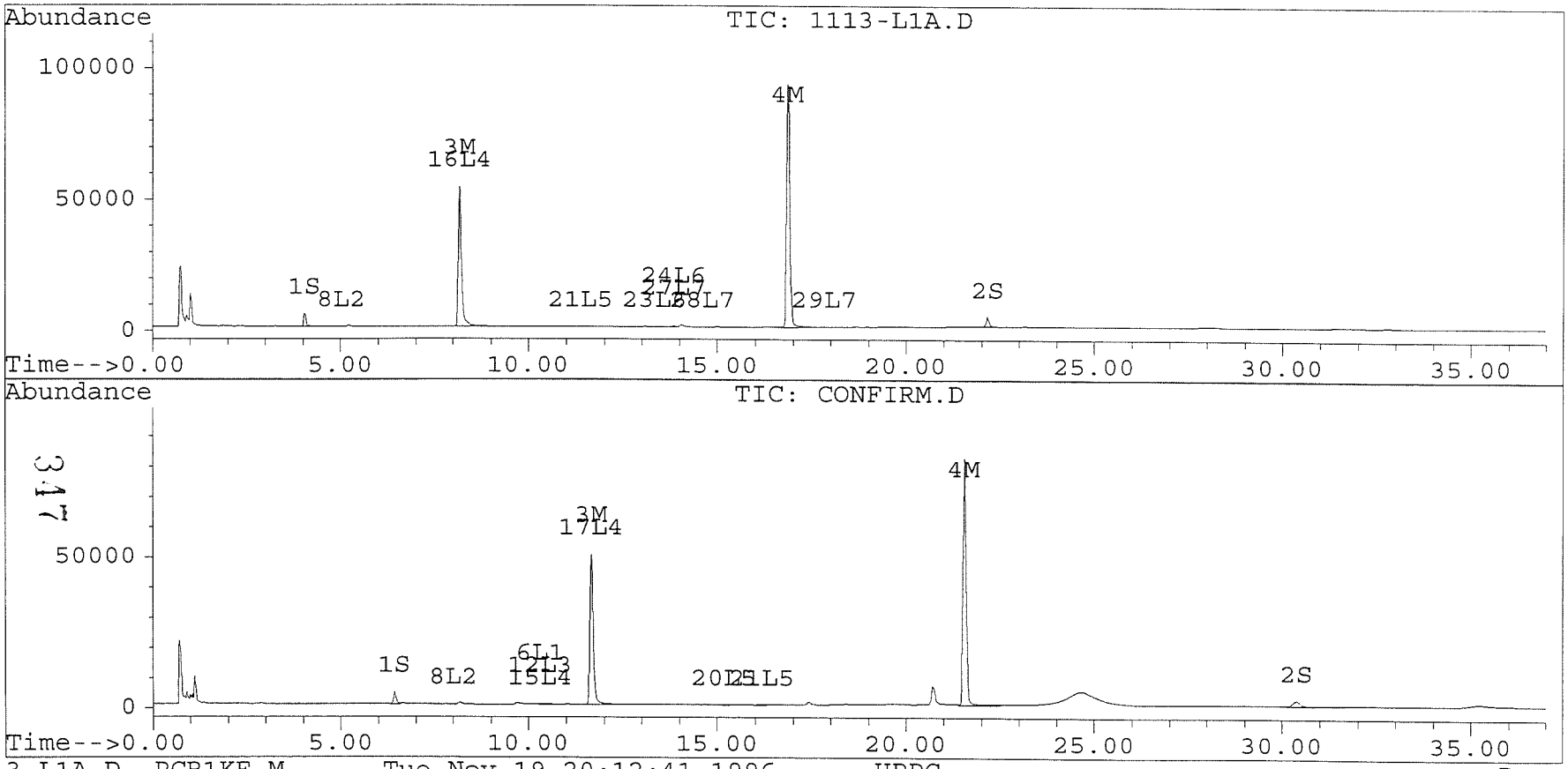
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\1113-L1A.D Vial: 34
Signal #2 : D:\HPCHEM\5\18NOV96\1113-L1A.D\CONFIRM.D
Acq On : 19 Nov 96 07:33 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE 2X DILUTION Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 19 20:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



3.17

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113-L1.D Vial: 9
Signal #2 : D:\HPCHEM\5\18NOV96\P1113-L1.D\CONFIRM.D
Acq On : 18 Nov 96 11:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 18 23:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10024	8414	40.210	43.088
				Recovery	=	100.53%	107.72%
2) S	Decachlorobiphenyl	22.16	30.37	6532	2896	32.106	29.814
				Recovery	=	80.27%	74.54%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.67	86824	77516	803.490	800.866
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	152112	129984	813.428	768.975
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	0.00	10.31	0	37	N.D.	1.314 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			0	37	N.D.	1.314
Average	Aroclor-1016					0.000	1.314
8) L2	Aroclor-1221	5.03	8.01	173	136	24.641	22.311
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			173	136	24.641	22.311
Average	Aroclor-1221					24.641	22.311
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	10.31	0	37	N.D.	3.083 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	37	N.D.	3.083
Average	Aroclor-1232					0.000	3.083
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	0.00	10.31	0	37	N.D.	0.998 #
16) L4	Aroclor-1242 {3}	8.17	11.36	86824	27	1345.472	1.728 #
17) L4	Aroclor-1242 (4)	0.00	11.67	0	77516	N.D.	1534.583 #
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1242			86824	77580	1345.472	1537.308
Average	Aroclor-1242					1345.472	512.436
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	15.18	0	39	N.D.	1.913 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1113-L1.D PCB1K.M Mon Nov 18 23:37:50 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113-L1.D Vial: 9
Signal #2 : D:\HPCHEM\5\18NOV96\P1113-L1.D\CONFIRM.D
Acq On : 18 Nov 96 11:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 18 23:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.36	16.18	48	21	1.590	1.373
Total	Aroclor-1248			48	61	1.590	3.285
Average	Aroclor-1248					1.590	1.643
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6	Aroclor-1254 {3}	13.84	17.96f	499	25	14.859	0.570 #
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			499	25	14.859	0.570
Average	Aroclor-1254					14.859	0.570
27) L7	Aroclor-1260	13.84	0.00	499	0	14.427	N.D. #
28) L7	Aroclor-1260 {2}	14.62	0.00	15	0	0.368	N.D. #
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1260			514	0	14.796	N.D.
Average	Aroclor-1260					7.398	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

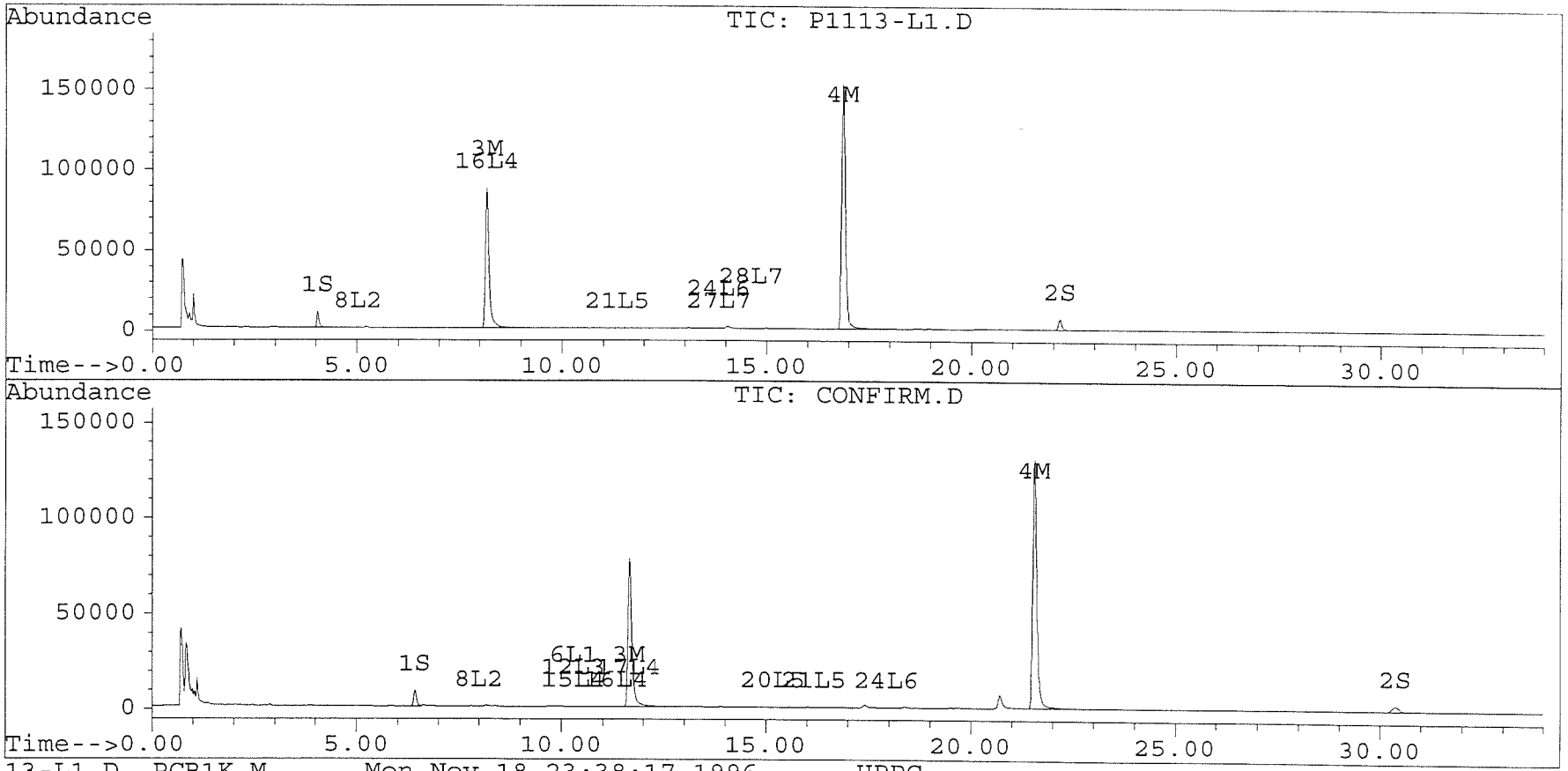
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\18NOV96\P1113-L1.D Vial: 9
Signal #2 : D:\HPCHEM\5\18NOV96\P1113-L1.D\CONFIRM.D
Acq On : 18 Nov 96 11:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 18 23:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



QC Batch: P1118-B1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60.D Vial: 17
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60.D\CONFIRM.D
Acq On : 20 Nov 96 09:44 PM Operator: JS
Sample : VHB / PD6 Inst : ECD1
Misc : 15.0G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

88% min

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10427	8457	41.827	43.309
				Recovery	=	104.57%	108.27%
2) S	Decachlorobiphenyl	22.16	30.38	7510	3476	36.913m	35.792
				Recovery	=	92.28%	89.48%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	26328	19616	243.644	202.663
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	11607	8359	62.067	49.453
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.80	3273	1281	137.667	67.672 #
15) L4	Aroclor-1242 {2}	6.75	10.32	6154	5587	145.333	150.557
16) L4	Aroclor-1242 {3}	8.17	11.37	26328	2655	407.990	166.787 #
17) L4	Aroclor-1242 (4)	8.55	11.66	4394	19616	162.918	388.333 #
18) L4	Aroclor-1242 (5)	8.88	12.24	8182	3756	368.485	168.902 #
Total	Aroclor-1242			48332	32894	1222.393	942.252
Average	Aroclor-1242					244.479	188.450
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60.D Vial: 17
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60.D\CONFIRM.D
Acq On : 20 Nov 96 09:44 PM Operator: JS
Sample : VHB / PD6 Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	18262	16338	526.627	522.880
23) L6 Aroclor-1254 {2}	13.36	17.56	37808	36228	525.337	524.729
24) L6 Aroclor-1254 {3}	13.85	17.99	18081	27577	538.158	632.932
25) L6 Aroclor-1254 (4)	14.20	18.50	29504	16728	630.681	596.294
26) L6 Aroclor-1254 (5)	15.74	20.04	33613	27746	623.540	632.886
Total Aroclor-1254			137268	124617	2844.343	2909.721
Average Aroclor-1254					568.869	581.944
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 use only 2 peaks

$\frac{776 \times \frac{5}{2} \times 25}{15 \times 0.88} = 3614$

AR 1254 =

$\frac{2844 \times 25 \times}{15 \times 0.88}$ 5390

MRL = 190/380

353

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

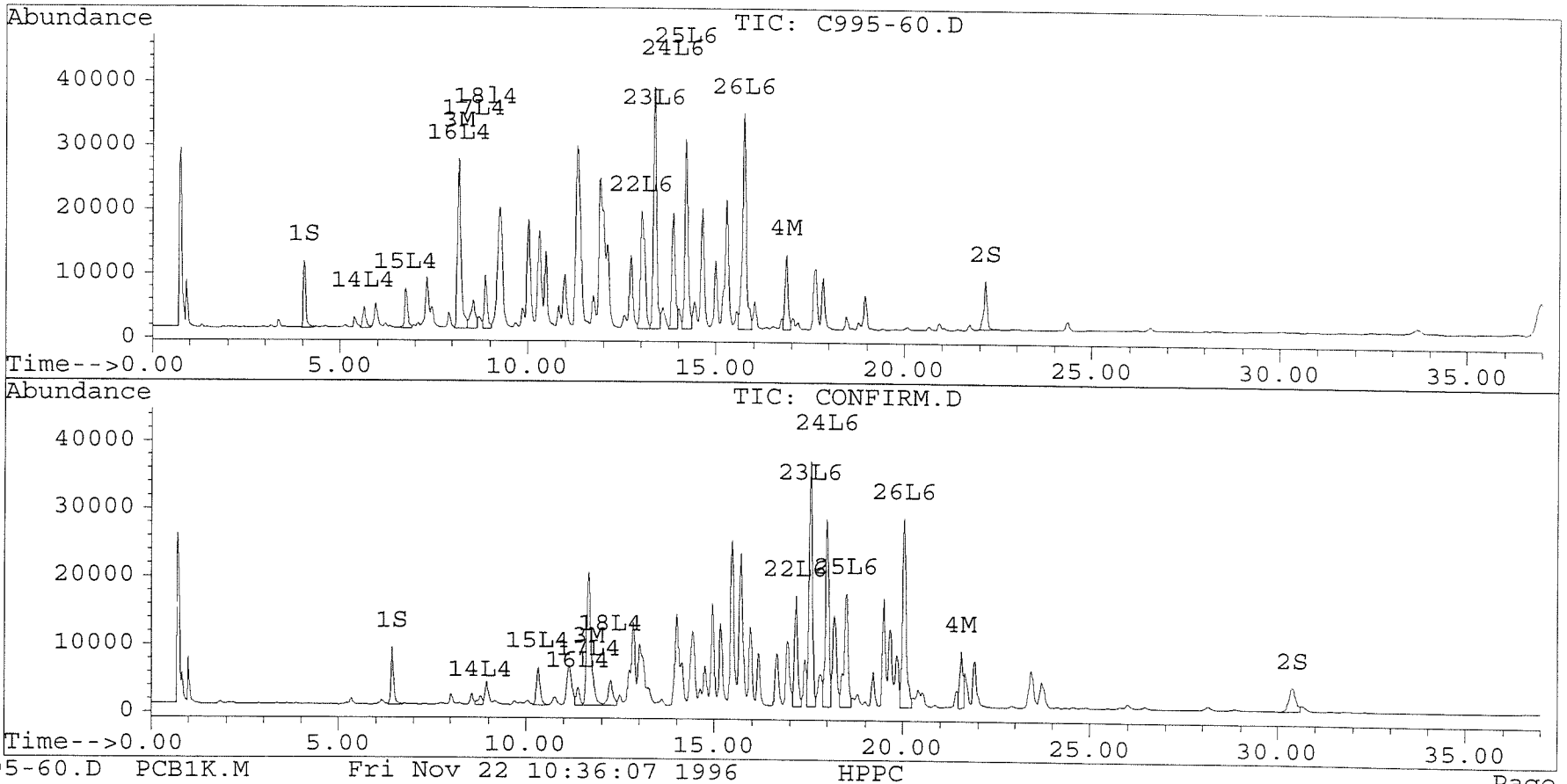
Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60.D
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60.D\CONFIRM.D
Acq On : 20 Nov 96 09:44 PM
Sample : VHB / PD6
Misc : 15.0G/25ML 8080 ANALYSIS PCB
Quant Time: Nov 22 10:30 1996

Vial: 17
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM
Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60M.D Vial: 18
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60M.D\CONFIRM.D
Acq On : 20 Nov 96 10:24 PM Operator: JS
Sample : VHB / PD6 MS Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9803	8041	39.327	41.178
					Recovery	=	98.32%	102.95%
2)	S	Decachlorobiphenyl	22.16	30.38	7319	3298	35.976m	33.954m
					Recovery	=	89.94%	84.89%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.67	107923	97069	998.738	1002.887
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	160510	146734	858.340	868.061
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	5.63	8.80	2650	1006	111.458	53.133 #
15)	L4	Aroclor-1242 {2}	6.75	10.32	5292	4870	124.975	131.242
16)	L4	Aroclor-1242 {3}	8.17	11.37	107923	2274	1672.422	142.843 #
17)	L4	Aroclor-1242 (4)	8.55	11.67	4104	97069	152.157	1921.686 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	7128	3479	321.000	156.467 #
		Total Aroclor-1242			127097	108698	2382.012	2405.370
		Average Aroclor-1242					476.402	481.074
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

100% - 20% = 80%
82%

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60M.D Vial: 18
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60M.D\CONFIRM.D
Acq On : 20 Nov 96 10:24 PM Operator: JS
Sample : VHB / PD6 MS Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	6755	5997	194.786	191.924
23) L6 Aroclor-1254 {2}	13.36	17.55	15065	14232	209.320	206.132
24) L6 Aroclor-1254 {3}	13.85	17.99	8526	8691	253.780	199.470
25) L6 Aroclor-1254 (4)	14.20	18.50	9448	6880	201.968	245.253
26) L6 Aroclor-1254 (5)	15.74	20.04	11890	9554	220.562	217.922
Total Aroclor-1254			51684	45354	1080.417	1060.701
Average Aroclor-1254					216.083	212.140
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

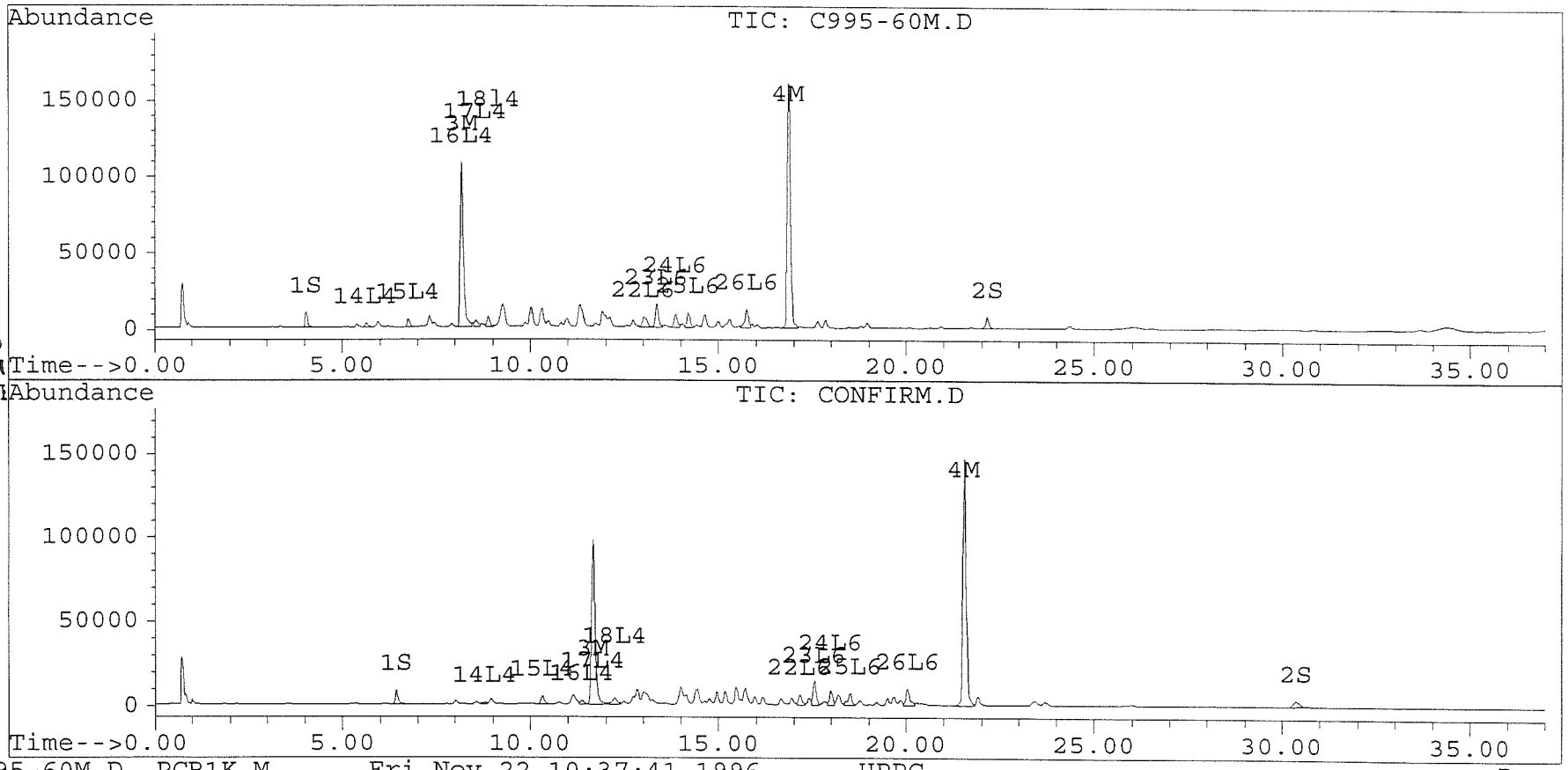
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60M.D Vial: 18
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60M.D\CONFIRM.D
Acq On : 20 Nov 96 10:24 PM Operator: JS
Sample : VHB / PD6 MS Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60D.D Vial: 19
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60D.D\CONFIRM.D
Acq On : 20 Nov 96 11:05 PM Operator: JS
Sample : VHB / PD6 MSD Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:28 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9911	7965	39.758m	40.790
				Recovery	=	99.40%	101.98%
2) S	Decachlorobiphenyl	22.17	30.38	7848	3349	38.572m	34.485
				Recovery	=	96.43%	86.21%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	106449	96087	985.097	992.737
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	161349	146465	862.825	866.474
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.79	3468	995	145.838	52.541 #
15) L4	Aroclor-1242 {2}	6.75	10.32	4946	4494	116.804	121.098
16) L4	Aroclor-1242 {3}	8.17	11.37	106449	2104	1649.581	132.189 #
17) L4	Aroclor-1242 (4)	8.55	11.66	3843	96087	142.475	1902.236 #
18) L4	Aroclor-1242 (5)	8.88	12.24	6245	3243	281.235	145.830 #
Total	Aroclor-1242			124950	106922	2335.933	2353.894
Average	Aroclor-1242					467.187	470.779
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

358

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60D.D Vial: 19
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60D.D\CONFIRM.D
Acq On : 20 Nov 96 11:05 PM Operator: JS
Sample : VHB / PD6 MSD Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:28 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.02	17.17	6101	5327	175.926	170.489
23) L6	Aroclor-1254 {2}	13.36	17.56	13861	13077	192.598	189.412
24) L6	Aroclor-1254 {3}	13.85	17.99	7579	7936	225.592	182.148
25) L6	Aroclor-1254 (4)	14.20	18.50	8579	5979	183.377	213.127
26) L6	Aroclor-1254 (5)	15.74	20.04	10756	8843	199.526	201.704
Total	Aroclor-1254			46875	41162	977.019	956.881
Average	Aroclor-1254					195.404	191.376
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

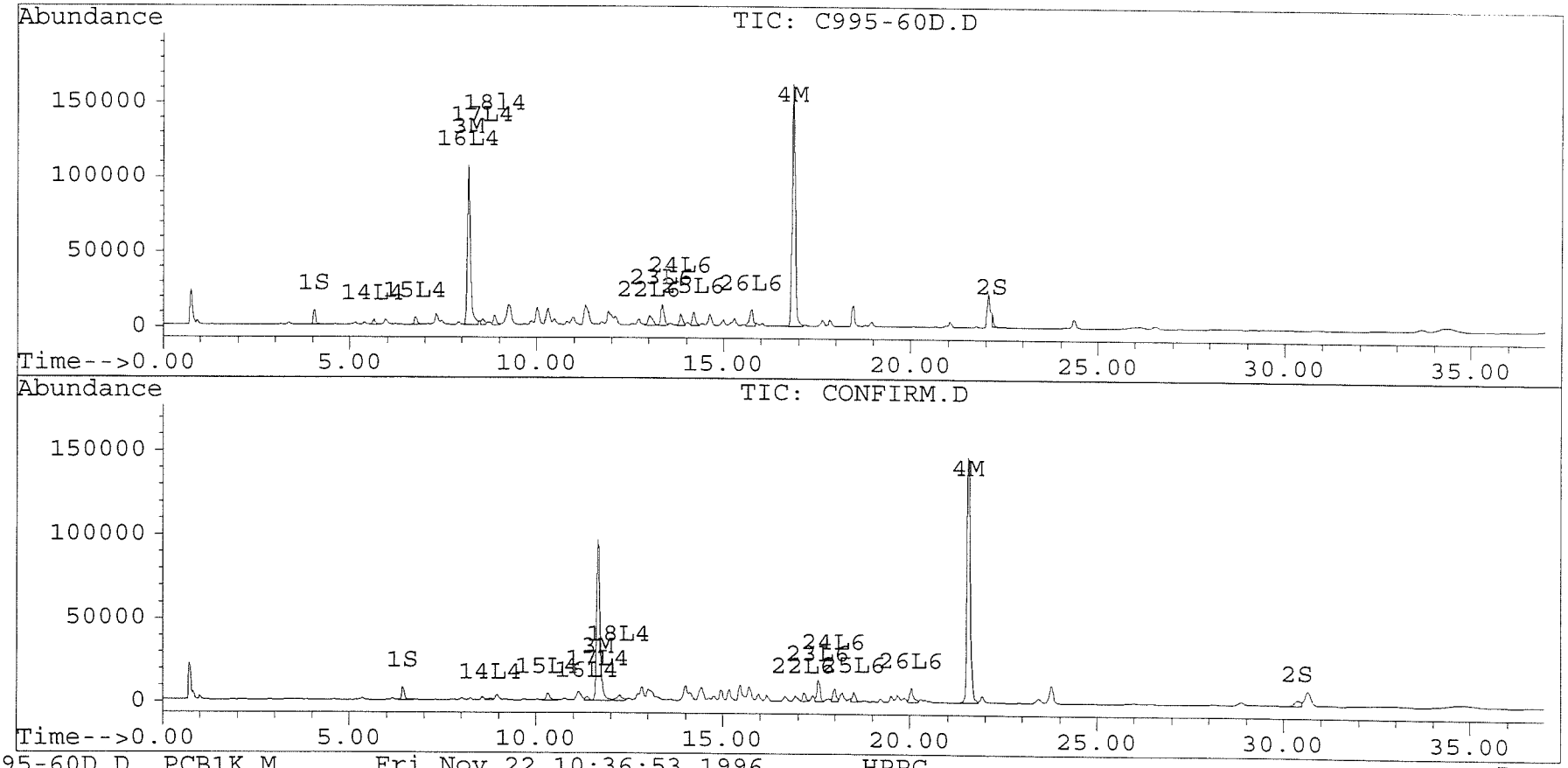
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-60D.D Vial: 19
Signal #2 : D:\HPCHEM\5\20NOV96\C995-60D.D\CONFIRM.D
Acq On : 20 Nov 96 11:05 PM Operator: JS
Sample : VHB / PD6 MSD Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:28 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



360

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-61.D Vial: 20
Signal #2 : D:\HPCHEM\5\20NOV96\C995-61.D\CONFIRM.D
Acq On : 20 Nov 96 11:46 PM Operator: JS
Sample : VHB / PE5 Inst : ECD1
Misc : 15.5G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:27 1996

92% solid

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1)	S Tetrachloro-m-xylen	4.04	6.43	9802	7960	39.322m	40.765
				Recovery	=	98.31%	101.91%
2)	S Decachlorobiphenyl	22.16	30.38	10031	4533	49.304m	46.670m
				Recovery	=	123.26%	116.68%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.17	11.66	91378	68657	845.628	709.345
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.56	15205	10554	81.310	62.439
5)	L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
8)	L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
11)	L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
14)	L4 Aroclor-1242	5.64	8.79	6422	2761	270.105	145.888 #
15)	L4 Aroclor-1242 {2}	6.75	10.32	18823	16909	444.501	455.668
16)	L4 Aroclor-1242 {3}	8.17	11.37	91378	9869	1416.035	620.070 #
17)	L4 Aroclor-1242 (4)	8.55	11.66	13257	68657	491.550	1359.213 #
18)	L4 Aroclor-1242 (5)	8.87	12.23	30502	11604	1373.643	521.875 #
	Total Aroclor-1242			160382	109802	3995.835	3102.714
	Average Aroclor-1242					799.167	620.543
19)	L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

361

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-61.D Vial: 20
Signal #2 : D:\HPCHEM\5\20NOV96\C995-61.D\CONFIRM.D
Acq On : 20 Nov 96 11:46 PM Operator: JS
Sample : VHB / PE5 Inst : ECD1
Misc : 15.5G/25ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	29425	26309	848.538	842.001
23) L6 Aroclor-1254 {2}	13.36	17.55	56806	53423	789.314	773.771
24) L6 Aroclor-1254 {3}	13.85	17.99	27170	34963	808.688	802.447
25) L6 Aroclor-1254 (4)	14.19	18.50	37295	21813	797.223	777.572
26) L6 Aroclor-1254 (5)	15.74	20.04	42096	34737	780.913	792.341
Total Aroclor-1254			192792	171245	4024.676	3988.133
Average Aroclor-1254					804.935	797.627
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use only 2 pks

$$\frac{2790 \times \frac{5}{2} \times 25}{15.5 \times 0.92} = 12228$$

AR1254 =

$$\frac{3988 \times 25}{15.5 \times 0.92} = 6990$$

MRL = 180/350 362

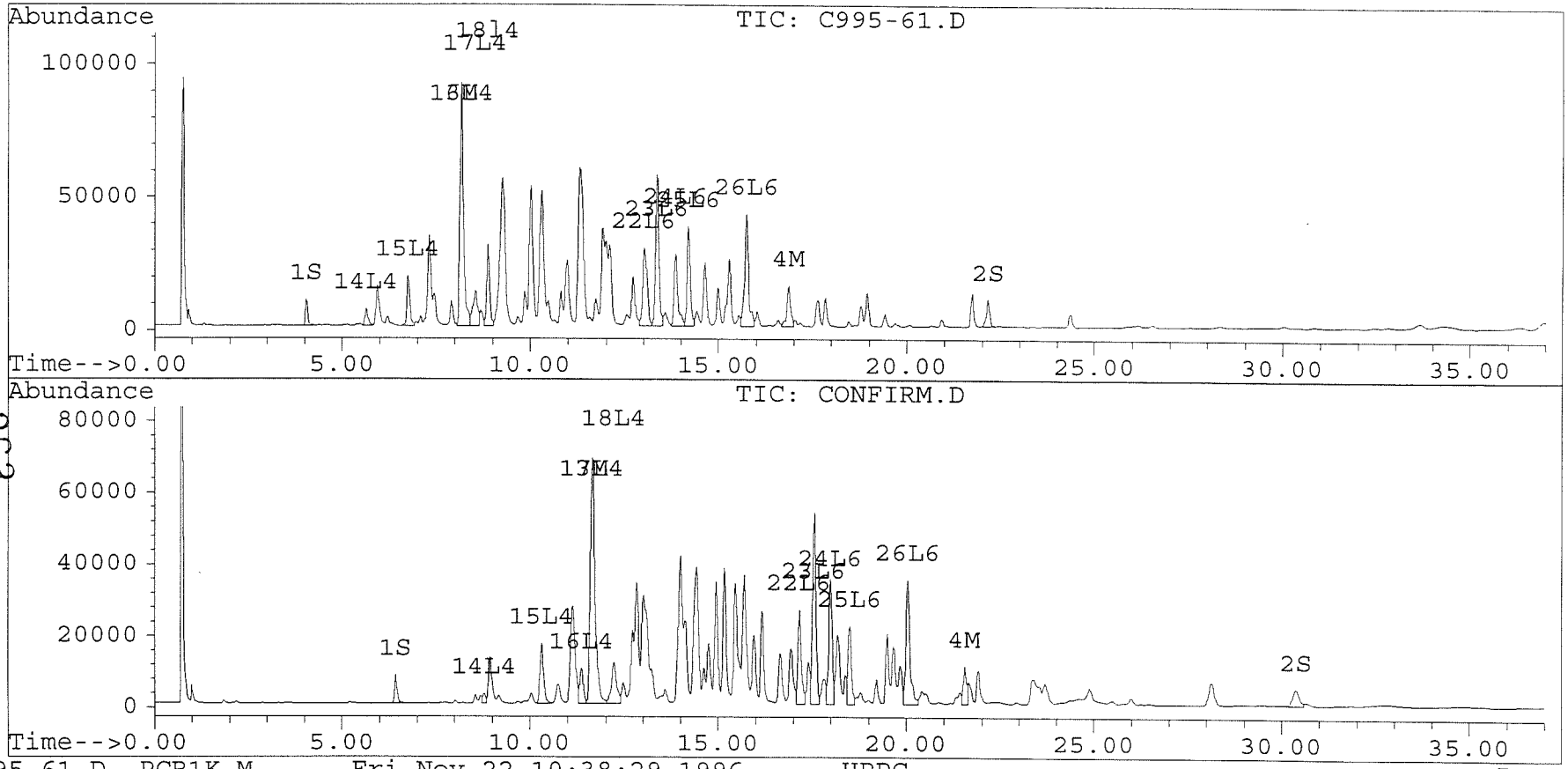
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-61.D Vial: 20
Signal #2 : D:\HPCHEM\5\20NOV96\C995-61.D\CONFIRM.D
Acq On : 20 Nov 96 11:46 PM Operator: JS
Sample : VHB / PE5 Inst : ECD1
Misc : 15.5G/20ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



363

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-62.D Vial: 21
Signal #2 : D:\HPCHEM\5\20NOV96\C995-62.D\CONFIRM.D
Acq On : 21 Nov 96 00:26 AM Operator: JS
Sample : VHB / PE4 Inst : ECD1
Misc : 15.1G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

∠ 180
∠ 360

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8727	7131	35.009	36.518
				Recovery	=	87.52%	91.30%
2) S	Decachlorobiphenyl	22.16	30.38	6263	2958	30.784	30.454m
				Recovery	=	76.96%	76.13%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.66	1593	1209	14.741	12.492
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	338	248	1.809m	1.467m
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
						better ratio	
14) L4	Aroclor-1242	5.63	8.80	324	84	13.619	4.429 #
15) L4	Aroclor-1242 {2}	6.76	10.32	584	551	13.785	14.845
16) L4	Aroclor-1242 {3}	8.18	11.38	1593	263	24.685	16.508 #
17) L4	Aroclor-1242 (4)	8.55	11.66	319	1209	11.814	23.936 #
18) L4	Aroclor-1242 (5)	8.88	12.24	496	336	22.333	15.129 #
Total	Aroclor-1242			3315	2443	86.235	74.847
Average	Aroclor-1242					17.247	14.969
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

364

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-62.D Vial: 21
Signal #2 : D:\HPCHEM\5\20NOV96\C995-62.D\CONFIRM.D
Acq On : 21 Nov 96 00:26 AM Operator: JS
Sample : VHB / PE4 Inst : ECD1
Misc : 15.1G/~~15~~ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	538	463	15.525	14.810
23) L6 Aroclor-1254 {2}	13.36	17.56	1234	1086	17.150	15.727
24) L6 Aroclor-1254 {3}	13.85	17.99	631	650	18.796	14.928
25) L6 Aroclor-1254 (4)	14.20	18.51	727	476	15.546	16.961
26) L6 Aroclor-1254 (5)	15.75	20.05	862	746	15.989	17.022
Total Aroclor-1254			3993	3421	83.006	79.447
Average Aroclor-1254					16.601	15.889
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 = use only 2 peaks

$$\frac{47 \times \frac{5}{2} \times 25}{15.1 \times 0.91} = 214$$

AR1254 =

$$\frac{79.4 \times 25}{15.1 \times 0.91} = \text{LRL}$$

MRL = 180/360

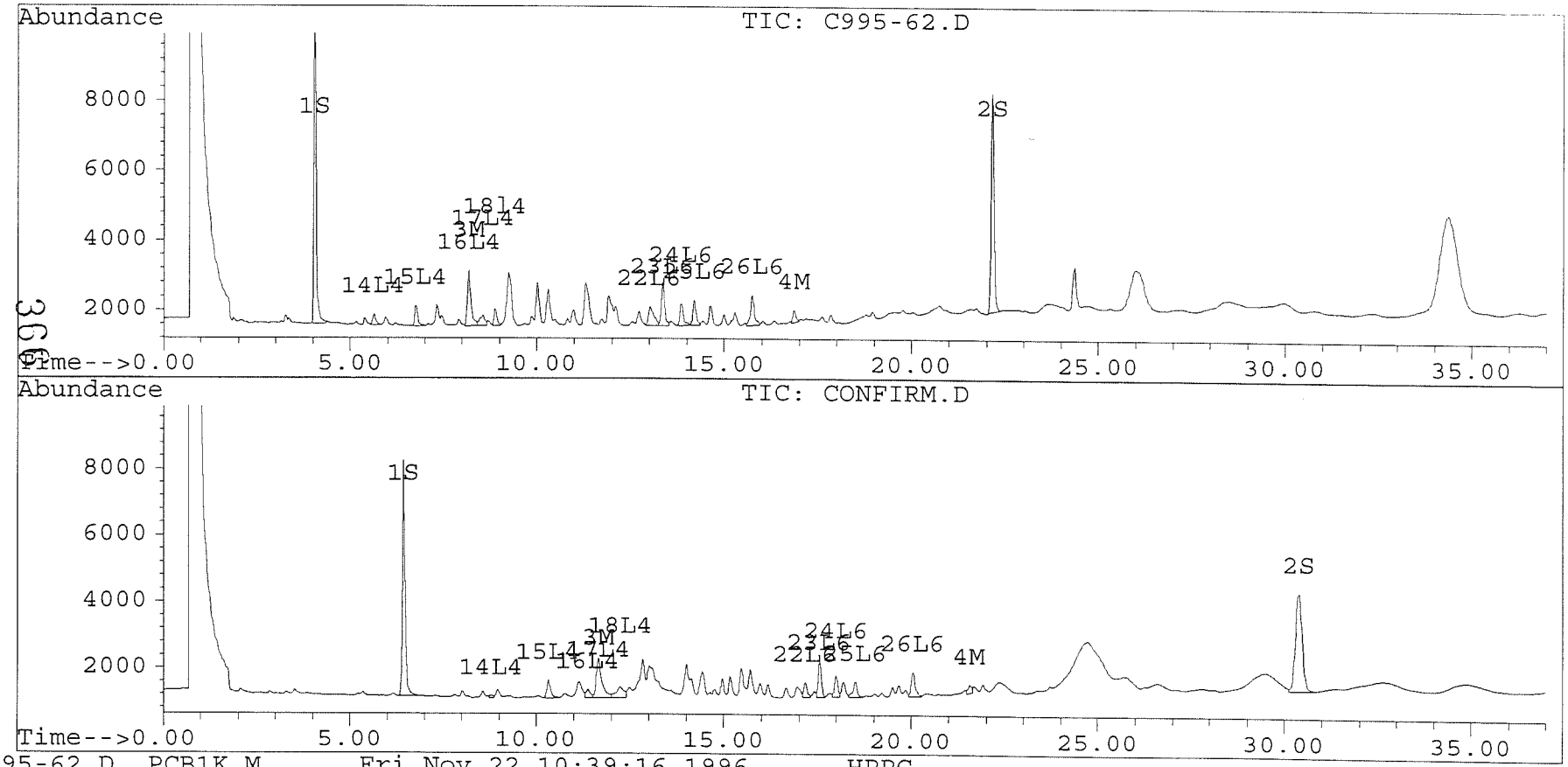
365

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-62.D Vial: 21
Signal #2 : D:\HPCHEM\5\20NOV96\C995-62.D\CONFIRM.D
Acq On : 21 Nov 96 00:26 AM Operator: JS
Sample : VHB / PE4 Inst : ECD1
Misc : 15.1G/25ML 91% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-63.D Vial: 22
Signal #2 : D:\HPCHEM\5\20NOV96\C995-63.D\CONFIRM.D
Acq On : 21 Nov 96 01:07 AM Operator: JS
Sample : VHB / PE6 Inst : ECD1
Misc : 15.2G/10ML 97% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9811	7947	39.356	40.697
				Recovery	=	98.39%	101.74%
2) S	Decachlorobiphenyl	22.16	30.38	7303	3217	35.893m	33.122m
				Recovery	=	89.73%	82.80%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	42811	32283	396.181m	333.534m
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	10100	7449	54.011m	44.069m
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	2807	1515	118.046	80.054 #
15) L4	Aroclor-1242 {2}	6.75	10.32	9408	8620	222.160	232.301
16) L4	Aroclor-1242 {3}	8.17	11.37	43118	4201	668.172	263.931 #
17) L4	Aroclor-1242 (4)	8.55	11.66	6237	32374	231.261	640.907 #
18) L4	Aroclor-1242 (5)	8.88	12.24	14037	5377	632.135	241.797 #
Total	Aroclor-1242			75606	52087	1871.774	1458.990
Average	Aroclor-1242					374.355	291.798
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-63.D PCB1K.M Fri Nov 22 10:39:34 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-63.D Vial: 22
Signal #2 : D:\HPCHEM\5\20NOV96\C995-63.D\CONFIRM.D
Acq On : 21 Nov 96 01:07 AM Operator: JS
Sample : VHB / PE6 Inst : ECD1
Misc : 15.2G/10ML 97% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	17489	15613	504.337	499.690
23) L6 Aroclor-1254 {2}	13.36	17.56	35496	33929	493.220	491.426
24) L6 Aroclor-1254 {3}	13.85	17.99	17099	24981	508.926	573.354
25) L6 Aroclor-1254 (4)	14.20	18.50	26495	14631	566.347	521.558
26) L6 Aroclor-1254 (5)	15.74	20.04	30489	24674	565.591	562.813
Total Aroclor-1254			127068	113829	2638.422	2648.840
Average Aroclor-1254					527.684	529.768
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use only 2 peaks

$$\frac{1300 \times \frac{5}{2} \times 25}{15.2 \times 0.97} = 5510$$

AR1254

$$\frac{2638 \times 25}{15.2 \times 0.97} = 4470$$

MRL = 170/340 368

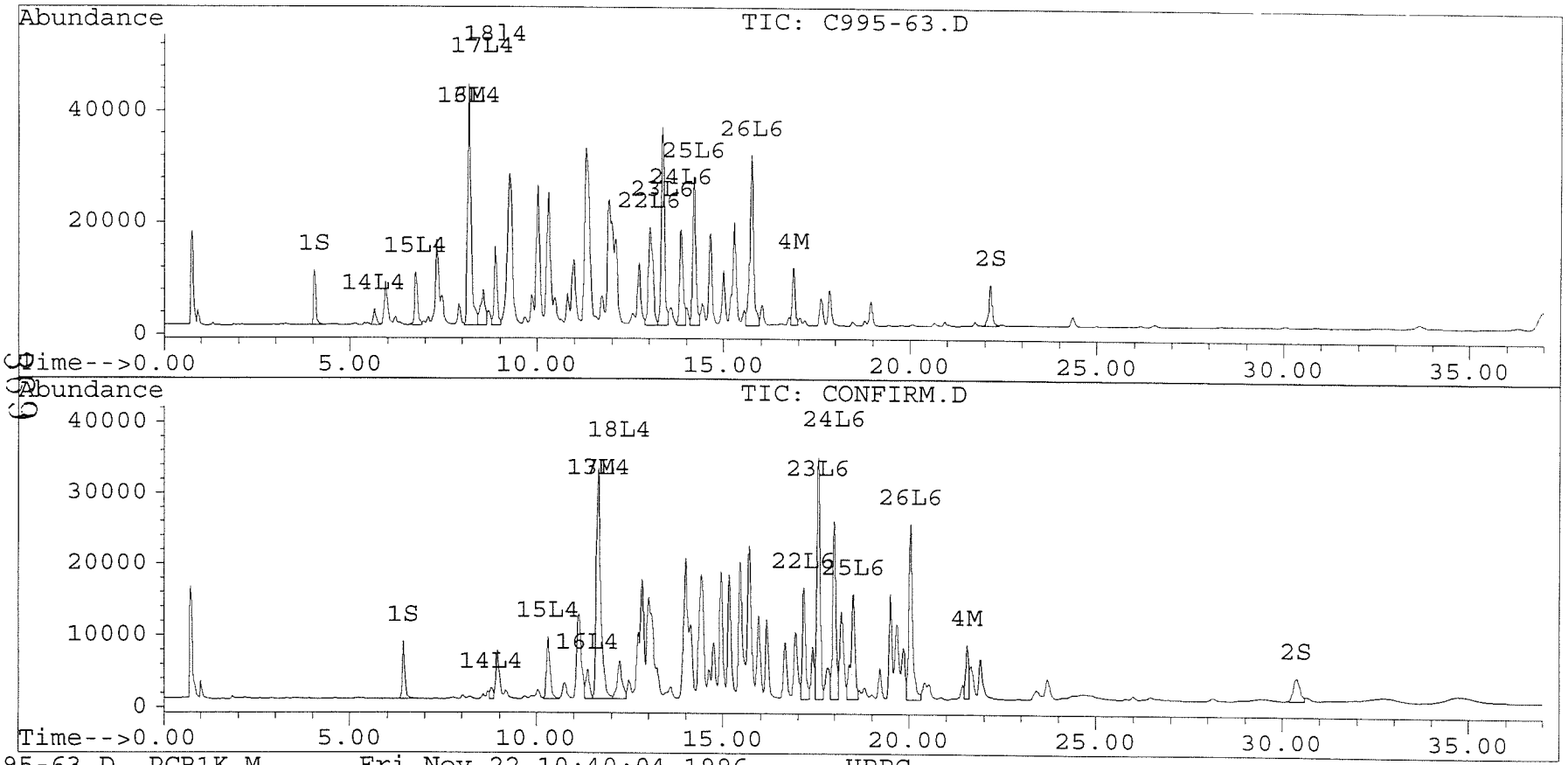
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-63.D Vial: 22
Signal #2 : D:\HPCHEM\5\20NOV96\C995-63.D\CONFIRM.D
Acq On : 21 Nov 96 01:07 AM Operator: JS
Sample : VHB / PE6 Inst : ECD1
Misc : 15.2G/25ML 97% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-64.D Vial: 23
Signal #2 : D:\HPCHEM\5\20NOV96\C995-64.D\CONFIRM.D
Acq On : 21 Nov 96 01:48 AM Operator: JS
Sample : VHB / PF4 Inst : ECD1
Misc : 15.0G/~~10~~25ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	9137	7796	36.653m	39.925
					Recovery	=	91.63%	99.81%
2)	S	Decachlorobiphenyl	22.15	30.38	7794	3320	38.309m	34.184m
					Recovery	=	95.77%	85.46%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	135786	102177	1256.591m	1055.654m
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	18997	13562	101.586m	80.232m
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1016			0	0	N.D.	N.D.
	Average	Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1221			0	0	N.D.	N.D.
	Average	Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1232			0	0	N.D.	N.D.
	Average	Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	5.63	8.79	12886	6019	541.931	318.002 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	34981	31509	826.059	849.087
16)	L4	Aroclor-1242 {3}	8.17	11.37	136778	18090	2119.570	1136.527
17)	L4	Aroclor-1242 (4)	8.55	11.66	24024	102580	890.772	2030.784 #
18)	L4	Aroclor-1242 (5)	8.87	12.24	46023	20955	2072.622	942.430 #
	Total	Aroclor-1242			254691	179154	6450.954	5276.831
	Average	Aroclor-1242					1290.191	1055.366
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

370

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-64.D Vial: 23
Signal #2 : D:\HPCHEM\5\20NOV96\C995-64.D\CONFIRM.D
Acq On : 21 Nov 96 01:48 AM Operator: JS
Sample : VHB / PF (5) Inst : ECD1
Misc : 15.0G/~~10ML~~ 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	36254	32301	1045.484	1033.752
23) L6 Aroclor-1254 {2}	13.36	17.55	69949	64684	971.934	936.878
24) L6 Aroclor-1254 {3}	13.85	17.98	33939	43215	1010.147	991.841
25) L6 Aroclor-1254 (4)	14.19	18.50	46634	26555	996.837	946.624
26) L6 Aroclor-1254 (5)	15.74	20.04	52342	42987	970.976	980.516
Total Aroclor-1254			239117	209742	4995.378	4889.611
Average Aroclor-1254					999.076	977.922
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use only 2 pks

$$\frac{4192 \times \frac{5}{2} \times 25}{15.0 \times 0.88} \approx 1980$$

AR1254

$$\frac{4889 \times 25}{15.0 \times 0.88} = 9260$$

MRL = 190/380 371

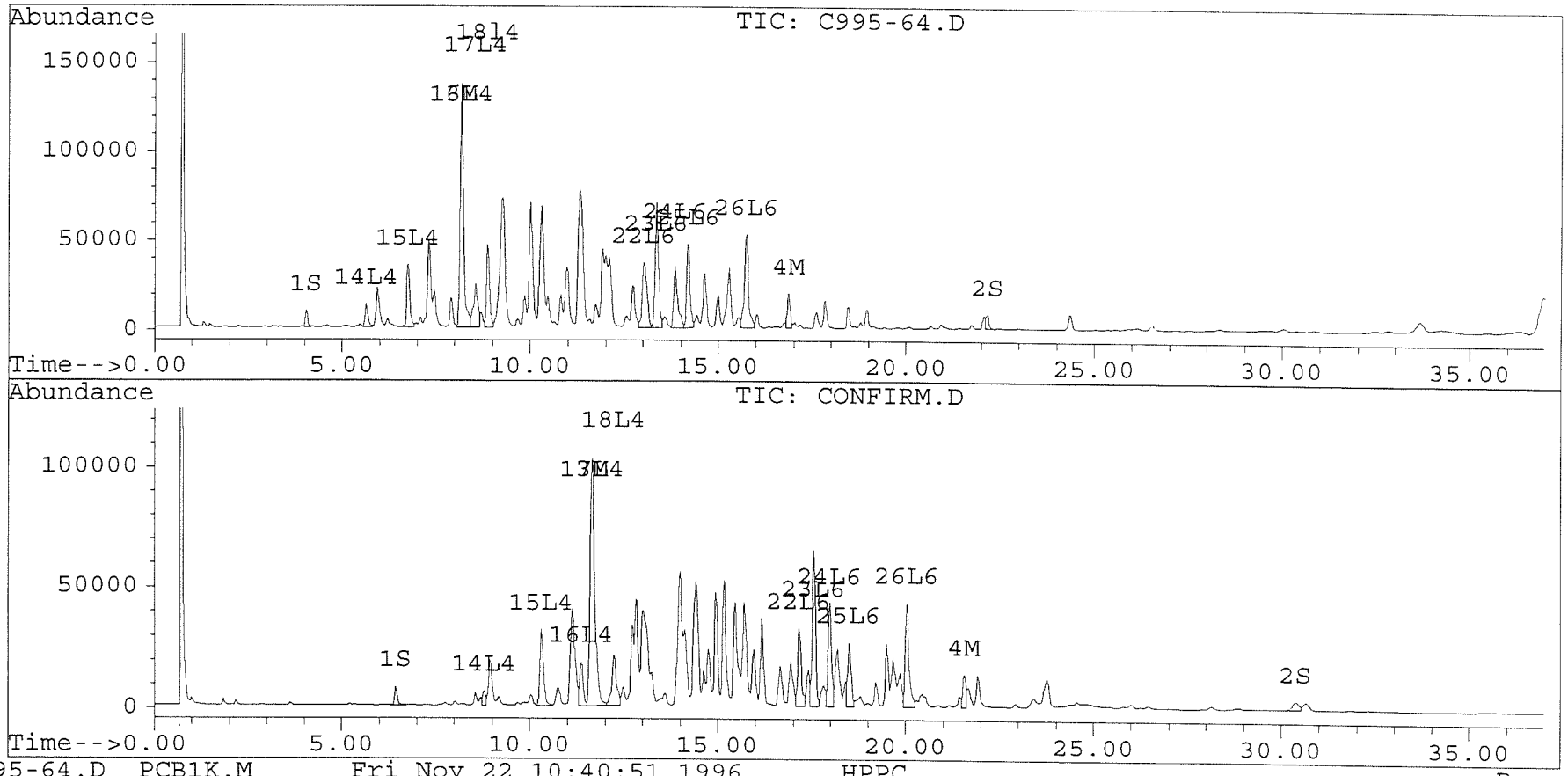
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-64.D Vial: 23
Signal #2 : D:\HPCHEM\5\20NOV96\C995-64.D\CONFIRM.D
Acq On : 21 Nov 96 01:48 AM Operator: JS
Sample : VHB / PF4 Inst : ECD1
Misc : 15.0G/10ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0027.D Vial: 8
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0027.D\CONFIRM.D
Acq On : 24 Nov 96 07:31 PM Operator: JS
Sample : 8080,C995-64,3X,PF4 Inst : SB2
Misc : VHB/15.0G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

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	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1)	S Tetrachloro-m-xylen	4.04	6.43	3086	2537	12.381	12.993
				Recovery =		30.95%	32.48%
2)	S Decachlorobiphenyl	22.15	30.40	1510	2397	7.424	24.676 #
				Recovery =		18.56%	61.69%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.16	11.66	55840	41441	516.758	428.158
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.56	7067	4670	37.794	27.628 #
5)	L1 Aroclor-1016	6.75	8.79	14843	2314	463.279	181.742 #
6)	L1 Aroclor-1016 {2}	8.87	10.31	17841	13198	1048.932	468.304 #
7)	L1 Aroclor-1016 {3}	9.26	12.24	31595	8274	1224.466	488.112 #
	Total Aroclor-1016			64278	23786	2736.676	1138.158
	Average Aroclor-1016					912.225	379.386
8)	L2 Aroclor-1221	5.05	8.02	363	529	51.773	86.429 #
9)	L2 Aroclor-1221 {2}	5.47	8.56	618	1808	105.916	370.715 #
10)	L2 Aroclor-1221 {3}	5.64	8.79	4738	2314	234.506	150.705 #
	Total Aroclor-1221			5719	4650	392.194	607.848
	Average Aroclor-1221					130.731	202.616
11)	L3 Aroclor-1232	5.64	8.79	4738	2314	259.775	161.450 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0027.D Vial: 8
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0027.D\CONFIRM.D
Acq On : 24 Nov 96 07:31 PM Operator: JS
Sample : 8080,C995-64,3X,PF4 Inst : SB2
Misc : VHB/15.0G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

3/4

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
12) L3	Aroclor-1232 {2}	6.75	10.31	14843	13198	1087.597	1098.584
13) L3	Aroclor-1232 {3}	8.55	12.24	9479	8274	1145.149	1193.257
Total	Aroclor-1232			29060	23786	2492.521	2453.291
Average	Aroclor-1232					830.840	817.764
14) L4	Aroclor-1242	5.63	8.79	4766	2314	200.442m	122.228 #
15) L4	Aroclor-1242 {2}	6.75	10.31	14843	13198	350.511	355.660
16) L4	Aroclor-1242 {3}	8.16	11.37	55848	7090	865.446m	445.465 #
17) L4	Aroclor-1242 (4)	8.55	11.66	9479	41441	351.469	820.417 #
18) L4	Aroclor-1242 (5)	8.87	12.24	17841	8274	803.458	372.118 #
Total	Aroclor-1242			102777	72318	2571.327	2115.887
Average	Aroclor-1242					514.265	423.177
19) L5	Aroclor-1248	9.26	14.95	31595	18162	1121.076	905.810
20) L5	Aroclor-1248 {2}	10.01	15.16	29500	20016	1255.568	970.186
21) L5	Aroclor-1248 {3}	11.31	16.17	31500	13204	1034.858	853.284
Total	Aroclor-1248			92594	51383	3411.502	2729.280
Average	Aroclor-1248					1137.167	909.760
22) L6	Aroclor-1254	13.01	17.17	13757	12032	396.707	385.060
23) L6	Aroclor-1254 {2}	13.35	17.55	27968	25877	388.619	374.807
24) L6	Aroclor-1254 {3}	13.84	17.98	13660	16490	406.582	378.472
25) L6	Aroclor-1254 (4)	14.19	18.50	17783	10644	380.128	379.418

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0027.D Vial: 8
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0027.D\CONFIRM.D
Acq On : 24 Nov 96 07:31 PM Operator: JS
Sample : 8080,C995-64,3X,PF4 Inst : SB2
Misc : VHB/15.0G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

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Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
26) L6 Aroclor-1254 (5)	15.74	20.04	20250	16432	375.650	374.815
Total Aroclor-1254			93418	81475	1947.685	1892.573
Average Aroclor-1254					389.537	378.515
27) L7 Aroclor-1260	13.84	18.18	13660	9693	394.786	298.359
28) L7 Aroclor-1260 {2}	14.63	18.50	12056	10644	303.836	289.648
29) L7 Aroclor-1260 {3}	17.83	21.91	5442	4828	98.519	89.163
Total Aroclor-1260			31158	25164	797.141	677.170
Average Aroclor-1260					265.714	225.723
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.14f	0	1030	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use 2 pts

Conc $\frac{(865+803)\times\frac{5}{2}\times 25\times 3}{15.0\times 0.88} = 24{,}000$

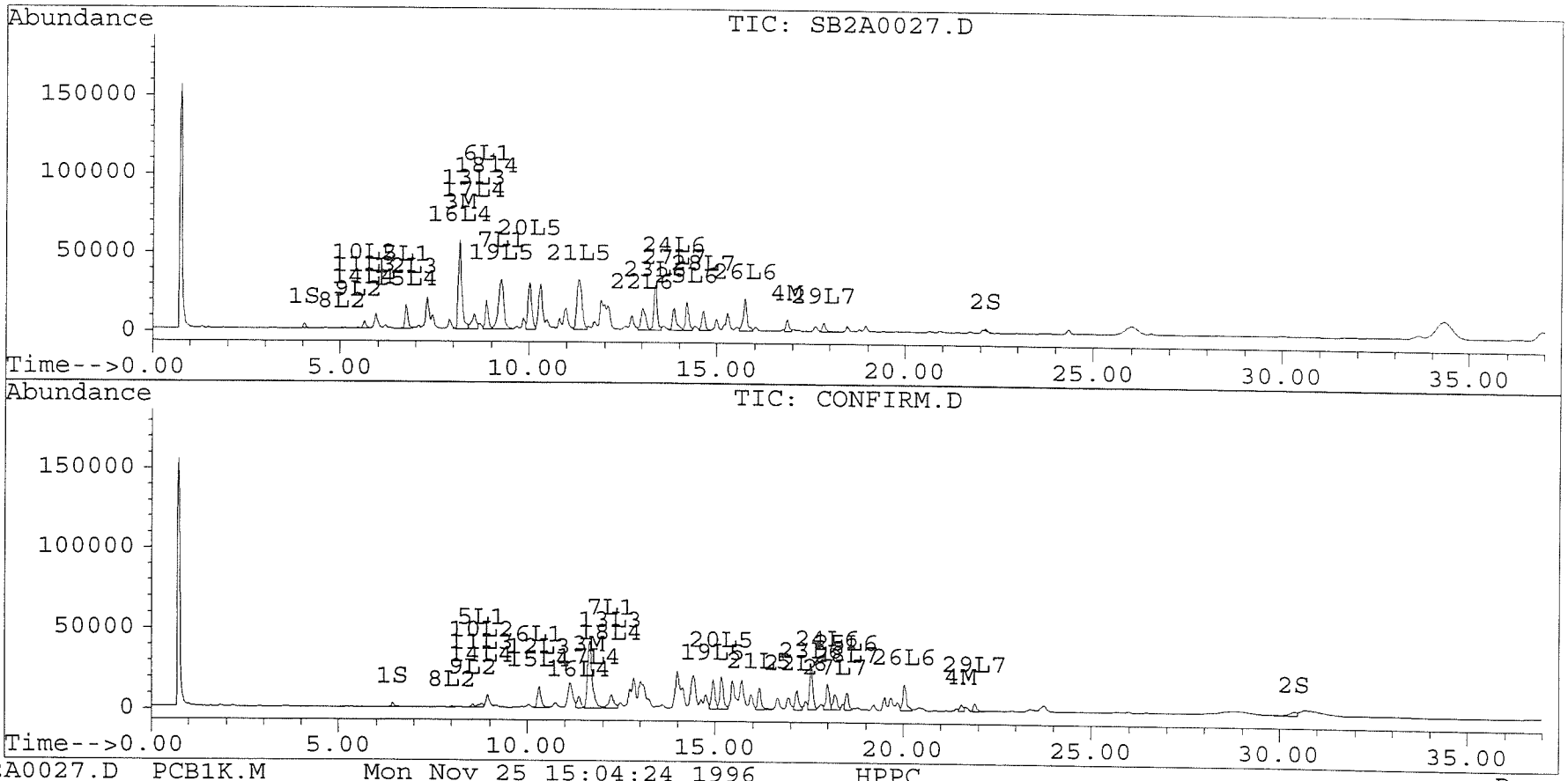
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0027.D Vial: 8
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0027.D\CONFIRM.D
Acq On : 24 Nov 96 07:31 PM Operator: JS
Sample : 8080,C995-64,3X,PF4 Inst : SB2
Misc : VHB/15.0G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:01 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-65.D Vial: 24
Signal #2 : D:\HPCHEM\5\20NOV96\C995-65.D\CONFIRM.D
Acq On : 21 Nov 96 02:28 AM Operator: JS
Sample : VHB / PF5 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9091	7709	36.469	39.478
				Recovery	=	91.17%	98.69%
2) S	Decachlorobiphenyl	22.15	30.38	7878	3442	38.723m	35.438
				Recovery	=	96.81%	88.60%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	119099	91863	1102.163m	949.093m
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	20470	13422	109.467m	79.404m#
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	9657	5614	406.131	296.576 #
15) L4	Aroclor-1242 {2}	6.75	10.32	28570	25967	674.669	699.757
16) L4	Aroclor-1242 {3}	8.17	11.37	119863	14528	1857.455	912.750 #
17) L4	Aroclor-1242 (4)	8.55	11.66	20164	92163	747.654	1824.552 #
18) L4	Aroclor-1242 (5)	8.88	12.24	43343	17707	1951.938	796.315 #
Total	Aroclor-1242			221597	155978	5637.845	4529.951
Average	Aroclor-1242					1127.569	905.990
19) L5	Aroclor-1248	0.00	0.00	0	377 0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-65.D Vial: 24
Signal #2 : D:\HPCHEM\5\20NOV96\C995-65.D\CONFIRM.D
Acq On : 21 Nov 96 02:28 AM Operator: JS
Sample : VHB / PF5 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	34679	31260	1000.073	1000.453
23) L6 Aroclor-1254 {2}	13.36	17.55	67385	63387	936.309	918.090
24) L6 Aroclor-1254 {3}	13.85	17.99	32601	45085	970.341	1034.776
25) L6 Aroclor-1254 (4)	14.19	18.50	47793	27285	1021.614	972.635
26) L6 Aroclor-1254 (5)	15.74	20.04	55253	45512	1024.976	1038.102
Total Aroclor-1254			237711	212529	4953.312	4964.055
Average Aroclor-1254					990.662	992.811
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use only 2 pks

$$\frac{3809 \times \frac{5}{2} \times 25}{15.0 \times 0.93} = 17065$$

AR1254

$$= \frac{4953 \times 25}{15.0 \times 0.93} = 8876$$

MRL = 180/360

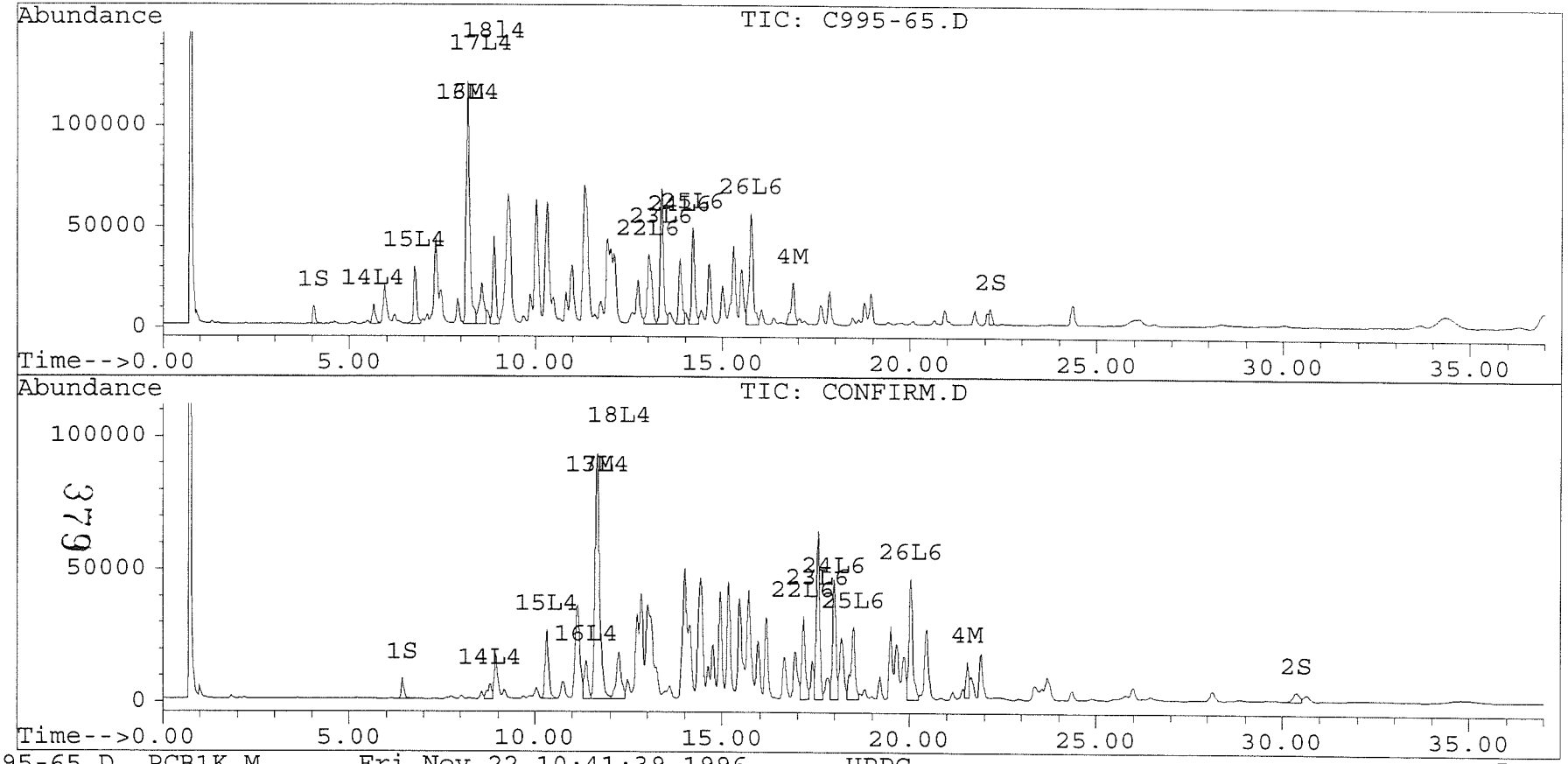
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-65.D Vial: 24
Signal #2 : D:\HPCHEM\5\20NOV96\C995-65.D\CONFIRM.D
Acq On : 21 Nov 96 02:28 AM Operator: JS
Sample : VHB / PF5 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0028.D Vial: 9
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0028.D\CONFIRM.D
Acq On : 24 Nov 96 08:12 PM Operator: JS
Sample : 8080,C995-65,3X,PF5 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 7:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	3091	2507	12.401	12.838
					Recovery	=	31.00%	32.10%
2)	S	Decachlorobiphenyl	22.15	30.37	1738	1256	8.544	12.935 #
					Recovery	=	21.36%	32.34%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	48088	36366	445.018	375.722
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	7257	5932	38.805	35.094
5)	L1	Aroclor-1016	6.75	8.79	11958	2153	373.222	169.100 #
6)	L1	Aroclor-1016 {2}	8.87	10.31	16245	10769	955.121	382.127 #
7)	L1	Aroclor-1016 {3}	9.26	12.24	27303	6690	1058.127	394.628 #
		Total Aroclor-1016			55505	19612	2386.469	945.854
		Average Aroclor-1016					795.490	315.285
8)	L2	Aroclor-1221	5.05	8.02	296	417	42.219	68.227 #
9)	L2	Aroclor-1221 {2}	5.47	8.56	557	962	95.491	197.285 #
10)	L2	Aroclor-1221 {3}	5.64	8.79	3683	2153	182.278	140.221
		Total Aroclor-1221			4536	3532	319.988	405.733
		Average Aroclor-1221					106.663	135.244
11)	L3	Aroclor-1232	5.64	8.79	3683	2153	201.919	150.219 #
12)	L3	Aroclor-1232 {2}	6.75	10.31	11958	10769	876.179	896.424
13)	L3	Aroclor-1232 {3}	8.55	12.24	7689	6690	928.923	964.721
		Total Aroclor-1232			23330	19612	2007.021	2011.364
		Average Aroclor-1232					669.007	670.455
14)	L4	Aroclor-1242	5.64	8.79	3683	2153	154.899	113.726 #
15)	L4	Aroclor-1242 {2}	6.75	10.31	11958	10769	282.375	290.212
16)	L4	Aroclor-1242 {3}	8.17	11.37	48088	5554	745.198	348.913 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	7689	36366	285.105	719.941 #
18)	L4	Aroclor-1242 (5)	8.87	12.24	16245	6690	731.600	300.849 #
		Total Aroclor-1242			87663	61531	2199.179	1773.640
		Average Aroclor-1242					439.836	354.728
19)	L5	Aroclor-1248	9.26	14.95	27303	15329	968.782	764.479
20)	L5	Aroclor-1248 {2}	10.01	15.16	25369	13388	1079.771	794.355 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0028.D Vial: 9
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0028.D\CONFIRM.D
Acq On : 24 Nov 96 08:12 PM Operator: JS
Sample : 8080,C995-65,3X,PF5 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 7:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	27016	10308	887.559	666.138
Total Aroclor-1248			79688	42025	2936.113	2224.972
Average Aroclor-1248					978.704	741.657
22) L6 Aroclor-1254	13.01	17.16	12844	11196	370.385	358.325
23) L6 Aroclor-1254 {2}	13.35	17.55	26336	24630	365.932	356.744
24) L6 Aroclor-1254 {3}	13.84	17.98	12650	16317	376.524	374.501
25) L6 Aroclor-1254 (4)	14.19	18.50	17477	10618	373.597	378.513
26) L6 Aroclor-1254 (5)	15.74	20.04	20781	19903	385.505	453.979
Total Aroclor-1254			90089	82665	1871.944	1922.063
Average Aroclor-1254					374.389	384.413
27) L7 Aroclor-1260	13.84	18.18	12650	9280	365.600	285.644
28) L7 Aroclor-1260 {2}	14.63	18.50	11654	10618	293.705	288.957
29) L7 Aroclor-1260 {3}	17.83	21.92	5695	6269	103.108	115.789
Total Aroclor-1260			30000	26168	762.414	690.390
Average Aroclor-1260					254.138	230.130
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.54	0	1597	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.12	0	1327	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

$\frac{1476 \times \frac{5}{2} \times 3 \times 25}{15.0 \times 0.93} = 1983$ ~~13000~~

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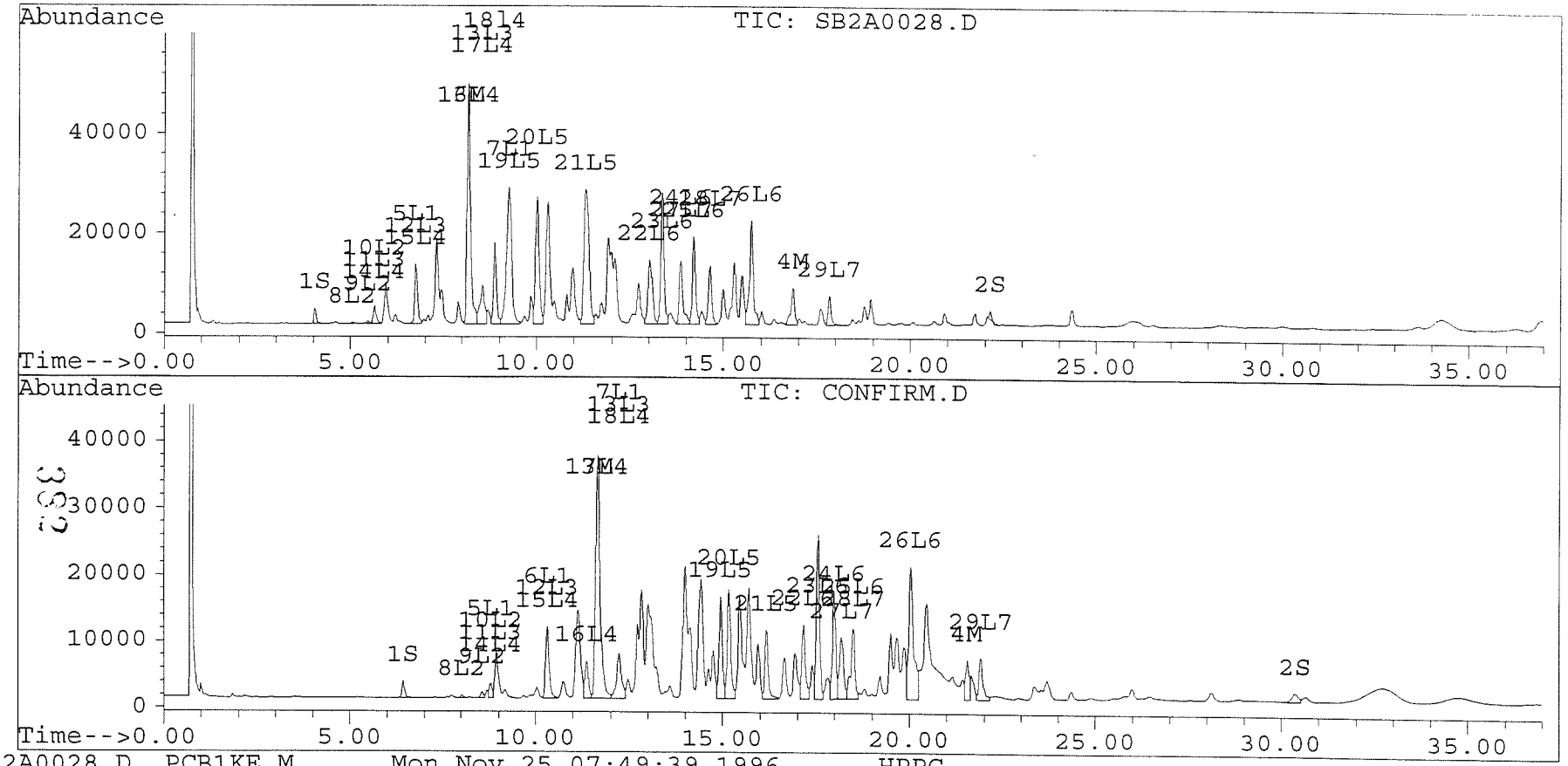
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0028.D PCB1KE.M Mon Nov 25 07:49:04 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0028.D Vial: 9
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0028.D\CONFIRM.D
Acq On : 24 Nov 96 08:12 PM Operator: JS
Sample : 8080,C995-65,3X,PF5 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 7:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-66.D Vial: 25
Signal #2 : D:\HPCHEM\5\20NOV96\C995-66.D\CONFIRM.D
Acq On : 21 Nov 96 05:02 AM Operator: JS
Sample : VHB / PF6 Inst : ECD1
Misc : 15.3G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.44	9150	7480	36.704	38.306
					Recovery	=	91.76%	95.76%
2)	S	Decachlorobiphenyl	22.16	30.38	6390	3042	31.409	31.324m
					Recovery	=	78.52%	78.31%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.18	11.66	4248	2998	39.315	30.973
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.57	856	560	4.576	3.314 #
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	5.64	8.80	655	216	27.533	11.407 #
15)	L4	Aroclor-1242 {2}	6.76	10.32	1114	1040	26.305	28.012
16)	L4	Aroclor-1242 {3}	8.18	11.38	4248	406	65.835	25.481 #
17)	L4	Aroclor-1242 (4)	8.56	11.66	737	2998	27.313	59.348 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	1337	700	60.200	31.477 #
		Total Aroclor-1242			8090	5359	207.185	155.726
		Average Aroclor-1242					41.437	31.145
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-66.D Vial: 25
Signal #2 : D:\HPCHEM\5\20NOV96\C995-66.D\CONFIRM.D
Acq On : 21 Nov 96 05:02 AM Operator: JS
Sample : VHB / PF6 Inst : ECD1
Misc : 15.3G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	1341	1185	38.675	37.920
23) L6 Aroclor-1254 {2}	13.36	17.56	3063	2765	42.566	40.046
24) L6 Aroclor-1254 {3}	13.86	17.99	1574	1716	46.841	39.388
25) L6 Aroclor-1254 (4)	14.20	18.51	1805	1298	38.586	46.266
26) L6 Aroclor-1254 (5)	15.75	20.04	2243	1860	41.607	42.431
Total Aroclor-1254			10026	8824	208.274	206.050
Average Aroclor-1254					41.655	41.210
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use only 2pks

$\frac{126 \times \frac{5}{2} \times 25}{15.3 \times 0.90} = 570$

AR1254 =

$\frac{206 \times 25}{15.3 \times 0.90} = 374$

MRL = 180/360

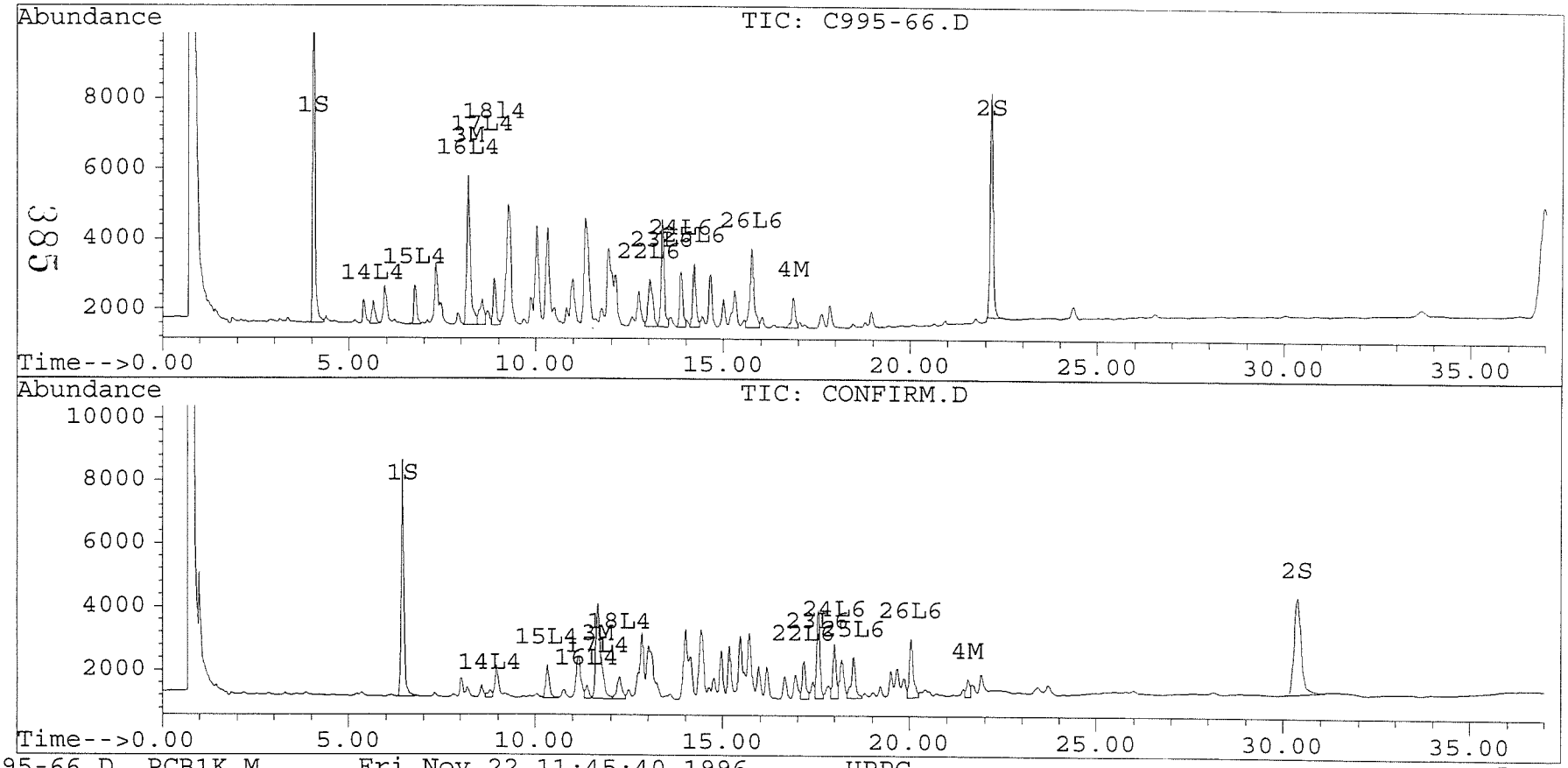
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-66.D PCB1K.M Fri Nov 22 11:45:16 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-66.D Vial: 25
Signal #2 : D:\HPCHEM\5\20NOV96\C995-66.D\CONFIRM.D
Acq On : 21 Nov 96 05:02 AM Operator: JS
Sample : VHB / PF6 Inst : ECD1
Misc : 15.3G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-67.D Vial: 26
Signal #2 : D:\HPCHEM\5\20NOV96\C995-67.D\CONFIRM.D
Acq On : 21 Nov 96 05:42 AM Operator: JS
Sample : VHB / PG4 Inst : ECD1
Misc : 15.2G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

low recovery
— ?

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	5133	4462	20.592m	22.848
				Recovery	=	51.48%	57.12%
2) S	Decachlorobiphenyl	22.16	30.38	4494	1929	22.091m	19.860m
				Recovery	=	55.23%	49.65%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	139137	103914	1287.602	1073.605
4) M	2,2',3,3',4,4'-Hexa	16.93	21.56	157698	12947	843.302m	76.595 #
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	10765	6578	452.741	347.506
15) L4	Aroclor-1242 {2}	6.75	10.31	39664	35363	936.666	952.943
16) L4	Aroclor-1242 {3}	8.17	11.37	139137	20302	2156.136	1275.520
17) L4	Aroclor-1242 (4)	8.55	11.65	26701	103914	990.042	2057.192 #
18) L4	Aroclor-1242 (5)	8.87	12.24	46563	23606	2096.949	1061.626
Total	Aroclor-1242			262831	189763	6632.534	5694.787
Average	Aroclor-1242					1326.507	1138.957
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-67.D PCB1K.M Fri Nov 22 11:45:59 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-67.D Vial: 26
Signal #2 : D:\HPCHEM\5\20NOV96\C995-67.D\CONFIRM.D
Acq On : 21 Nov 96 05:42 AM Operator: JS
Sample : VHB / PG4 Inst : ECD1
Misc : 15.2G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	35176	31495	1014.407	1007.971
23) L6 Aroclor-1254 {2}	13.36	17.55	68295	63648	948.952	921.875
24) L6 Aroclor-1254 {3}	13.85	17.99	32123	43052	956.094	988.103
25) L6 Aroclor-1254 (4)	14.19	18.50	45975	25946	982.748	924.884
26) L6 Aroclor-1254 (5)	15.74	20.04	50733	41740	941.127	952.071
Total Aroclor-1254			232301	205880	4843.328	4794.904
Average Aroclor-1254					968.666	958.981
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

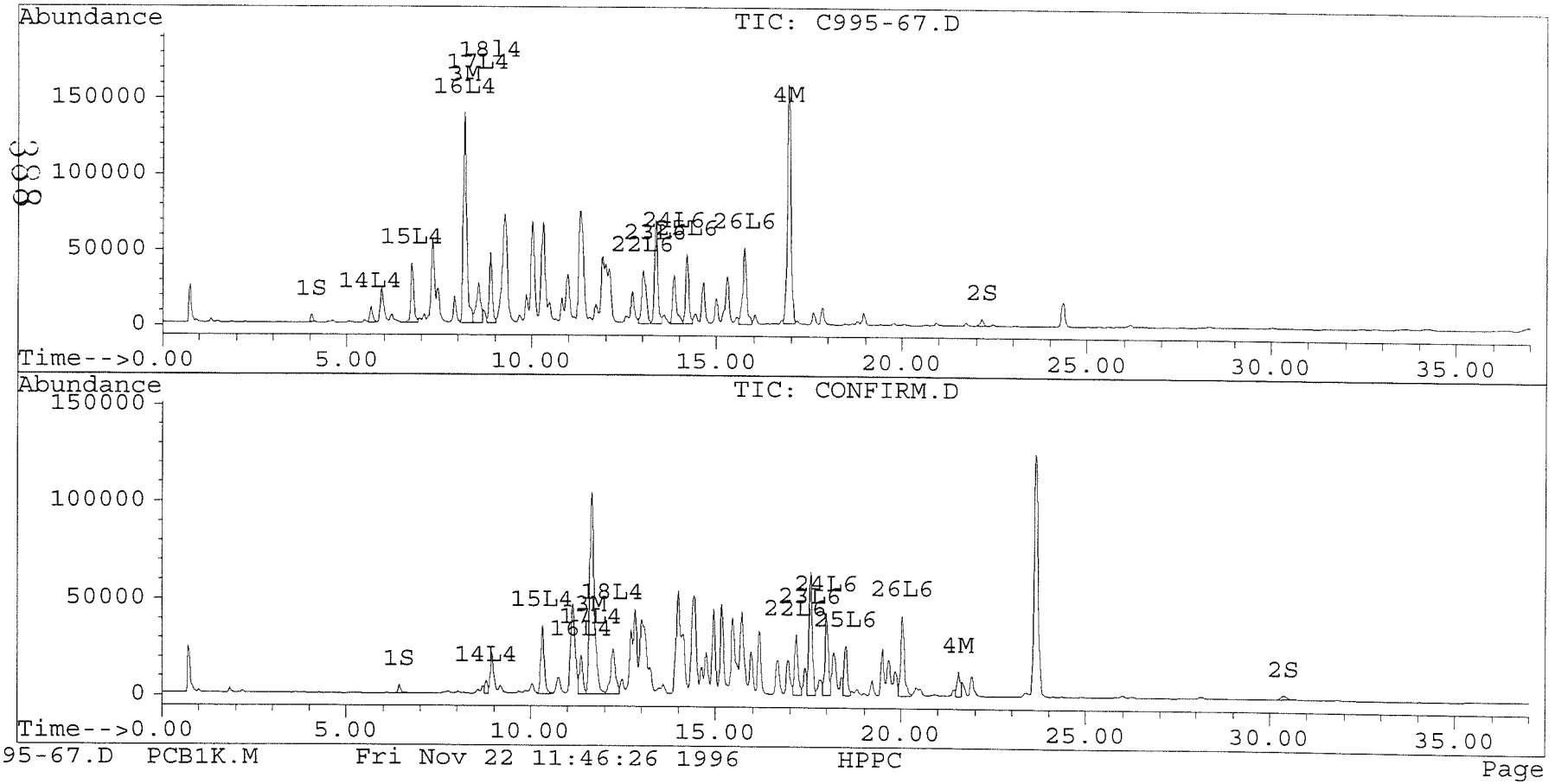
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-67.D PCB1K.M Fri Nov 22 11:46:04 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-67.D Vial: 26
Signal #2 : D:\HPCHEM\5\20NOV96\C995-67.D\CONFIRM.D
Acq On : 21 Nov 96 05:42 AM Operator: JS
Sample : VHB / PG4 Inst : ECD1
Misc : 15.2G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-68.D Vial: 27
Signal #2 : D:\HPCHEM\5\20NOV96\C995-68.D\CONFIRM.D
Acq On : 21 Nov 96 06:23 AM Operator: JS
Sample : VHB / PG5 Inst : ECD1
Misc : 15.3G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Diluted

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	7777	6732	31.198	34.477
				Recovery	=	78.00%	86.19%
2) S	Decachlorobiphenyl	22.16	30.38	7134	3062	35.066m	31.527m
				Recovery	=	87.67%	78.82%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	185104	141163	1712.984	1458.446
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	24201	16048	129.415	94.937 #
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	13198	5763	555.076	304.479 #
15) L4	Aroclor-1242 {2}	6.75	10.32	34666	31364	818.633	845.186
16) L4	Aroclor-1242 {3}	8.17	11.37	185104	19621	2868.453	1232.719
17) L4	Aroclor-1242 (4)	8.55	11.66	28195	141163	1045.418	2794.607
18) L4	Aroclor-1242 (5)	8.88	12.24	64653	24283	2911.660	1092.073
Total	Aroclor-1242			325817	222194	8199.240	6269.063
Average	Aroclor-1242					1639.848	1253.813
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

389

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-68.D Vial: 27
Signal #2 : D:\HPCHEM\5\20NOV96\C995-68.D\CONFIRM.D
Acq On : 21 Nov 96 06:23 AM Operator: JS
Sample : VHB / PG5 Inst : ECD1
Misc : 15.3G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	43253	38512	1247.322	1232.531
23) L6 Aroclor-1254 {2}	13.36	17.56	82546	77132	1146.963	1117.177
24) L6 Aroclor-1254 {3}	13.85	17.99	38995	51509	1160.642	1182.220
25) L6 Aroclor-1254 (4)	14.19	18.50	55156	31063	1179.011	1107.287
26) L6 Aroclor-1254 (5)	15.74	20.04	61595	50526	1142.633	1152.470
Total Aroclor-1254			281545	248741	5876.571	5791.686
Average Aroclor-1254					1175.314	1158.337
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 only one 2peaks

$$\frac{5779 \times \frac{5}{2} \times}{15.3 \times 0.89}$$

390 mRL = 180/360

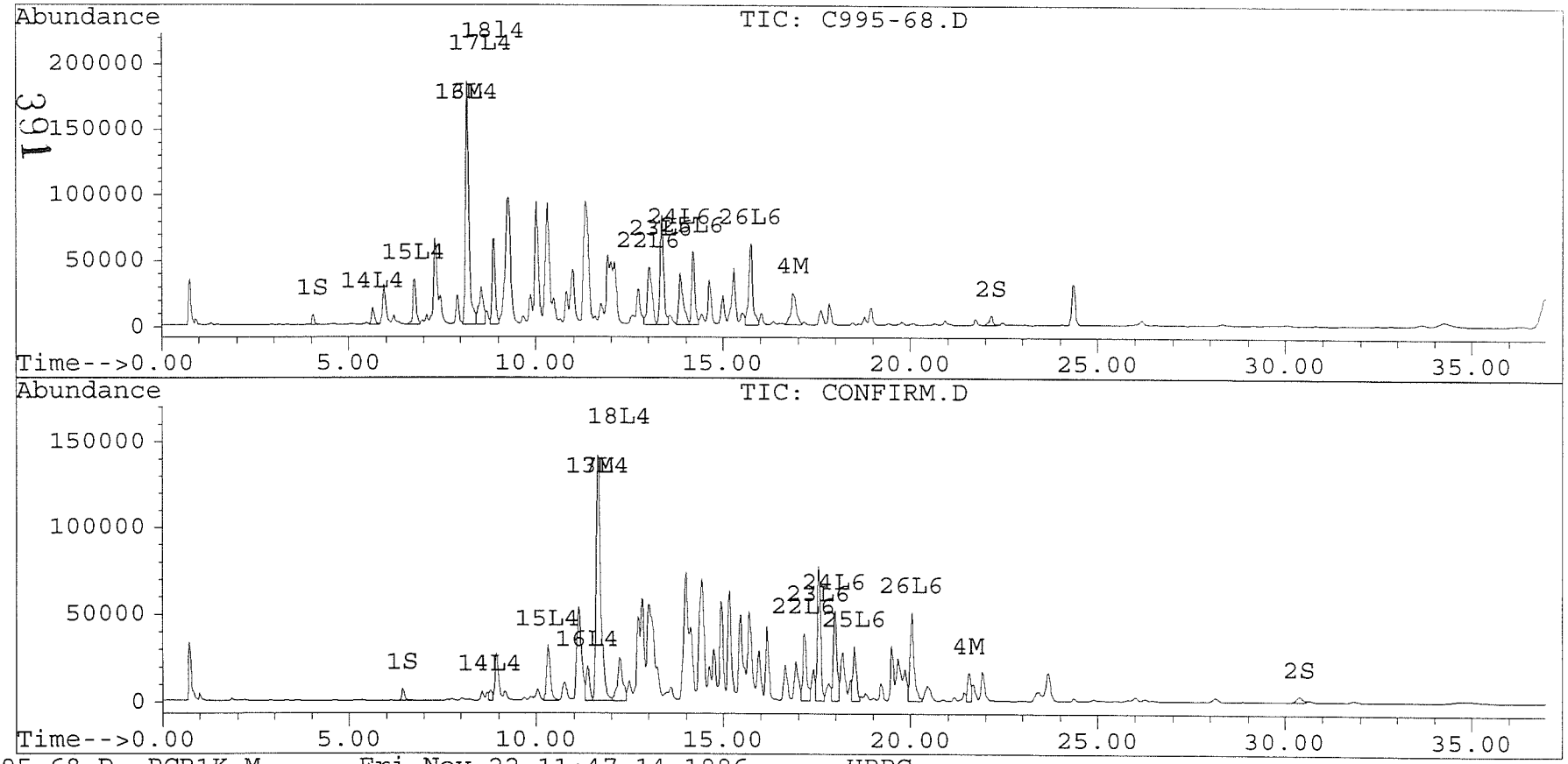
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-68.D Vial: 27
Signal #2 : D:\HPCHEM\5\20NOV96\C995-68.D\CONFIRM.D
Acq On : 21 Nov 96 06:23 AM Operator: JS
Sample : VHB / PG5 Inst : ECD1
Misc : 15.3G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0044.D Vial: 6
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0044.D\CONFIRM.D
Acq On : 25 Nov 96 07:01 AM Operator: JS
Sample : 8080,C995-68,4X,PG5 Inst : SB2
Misc : VHB/15.3G/25ML/89% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:45 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.04	6.43	1787	1645	7.167m	8.426	
					Recovery	=	17.92%	21.07%	
2)	S	Decachlorobiphenyl	22.15	30.36	1815	852	8.922m	8.767	
					Recovery	=	22.31%	21.92%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	0.00	11.65	0	44138	N.D.	456.022	#
4)	M	2,2',3,3',4,4'-Hexa	0.00	21.55	0	4859	N.D.	28.745	#
5)	L1	Aroclor-1016	0.00	8.79	0	1708	N.D.	134.178	#
6)	L1	Aroclor-1016 {2}	0.00	10.31	0	10315	N.D.	366.015	#
7)	L1	Aroclor-1016 {3}	0.00	12.23	0	7128	N.D.	420.485	#
	Total	Aroclor-1016			0	19151	N.D.	920.678	
	Average	Aroclor-1016					0.000	306.893	
8)	L2	Aroclor-1221	0.00	8.02	0	343	N.D.	56.126	#
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	1344	N.D.	275.487	#
10)	L2	Aroclor-1221 {3}	0.00	8.79	0	1708	N.D.	111.263	#
	Total	Aroclor-1221			0	3395	N.D.	442.877	
	Average	Aroclor-1221					0.000	147.626	
11)	L3	Aroclor-1232	0.00	8.79	0	1708	N.D.	119.197	#
12)	L3	Aroclor-1232 {2}	0.00	10.31	0	10315	N.D.	858.628	#
13)	L3	Aroclor-1232 {3}	0.00	12.23	0	7128	N.D.	1027.932	#
	Total	Aroclor-1232			0	19151	N.D.	2005.756	
	Average	Aroclor-1232					0.000	668.585	
14)	L4	Aroclor-1242	5.64	8.79	3665	1708	154.138m	90.240	#
15)	L4	Aroclor-1242 {2}	6.75	10.31	11344	10315	267.886m	277.975	
16)	L4	Aroclor-1242 {3}	8.16	11.37	58017	5749	899.058m	361.203	#
17)	L4	Aroclor-1242 (4)	8.55	11.65	8547	44138	316.908m	873.807	#
18)	L4	Aroclor-1242 (5)	8.87	12.23	19056	7128	858.185m	320.561	#
	Total	Aroclor-1242			100629	69039	2496.175	1923.787	
	Average	Aroclor-1242					499.235	384.757	
19)	L5	Aroclor-1248	0.00	14.95	0	16810	N.D.	838.369	#
20)	L5	Aroclor-1248 {2}	0.00	15.16	0	18696	N.D.	906.184	#

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0044.D Vial: 6
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0044.D\CONFIRM.D
Acq On : 25 Nov 96 07:01 AM Operator: JS
Sample : 8080,C995-68,4X,PG5 Inst : SB2
Misc : VHB/15.3G/25ML/89% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:45 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	11323	N.D.	731.733 #
Total Aroclor-1248			0	46829	N.D.	2476.286
Average Aroclor-1248					0.000	825.429
22) L6 Aroclor-1254	13.01	17.16	12539	11701	361.596m	374.471
23) L6 Aroclor-1254 {2}	13.35	17.55	25323	24354	351.861m	352.749
24) L6 Aroclor-1254 {3}	13.85	17.98	11847	16374	352.612m	375.806
25) L6 Aroclor-1254 (4)	14.19	18.50	15701	12456	335.623m	444.021 #
26) L6 Aroclor-1254 (5)	15.74	20.03	17441	19155	323.541m	436.910 #
Total Aroclor-1254			82851	84040	1725.234	1983.957
Average Aroclor-1254					345.047	396.791
27) L7 Aroclor-1260	0.00	18.18	0	11106	N.D.	341.864 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	12456	N.D.	338.966 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	4535	N.D.	83.756 #
Total Aroclor-1260			0	28097	N.D.	764.587
Average Aroclor-1260					0.000	254.862
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	562	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1247- Use 2 pks

$$\frac{1757 \times \frac{5}{2} \times 25 \times 4}{15.3 \times 0.89} = 32,257$$

AR1254 =

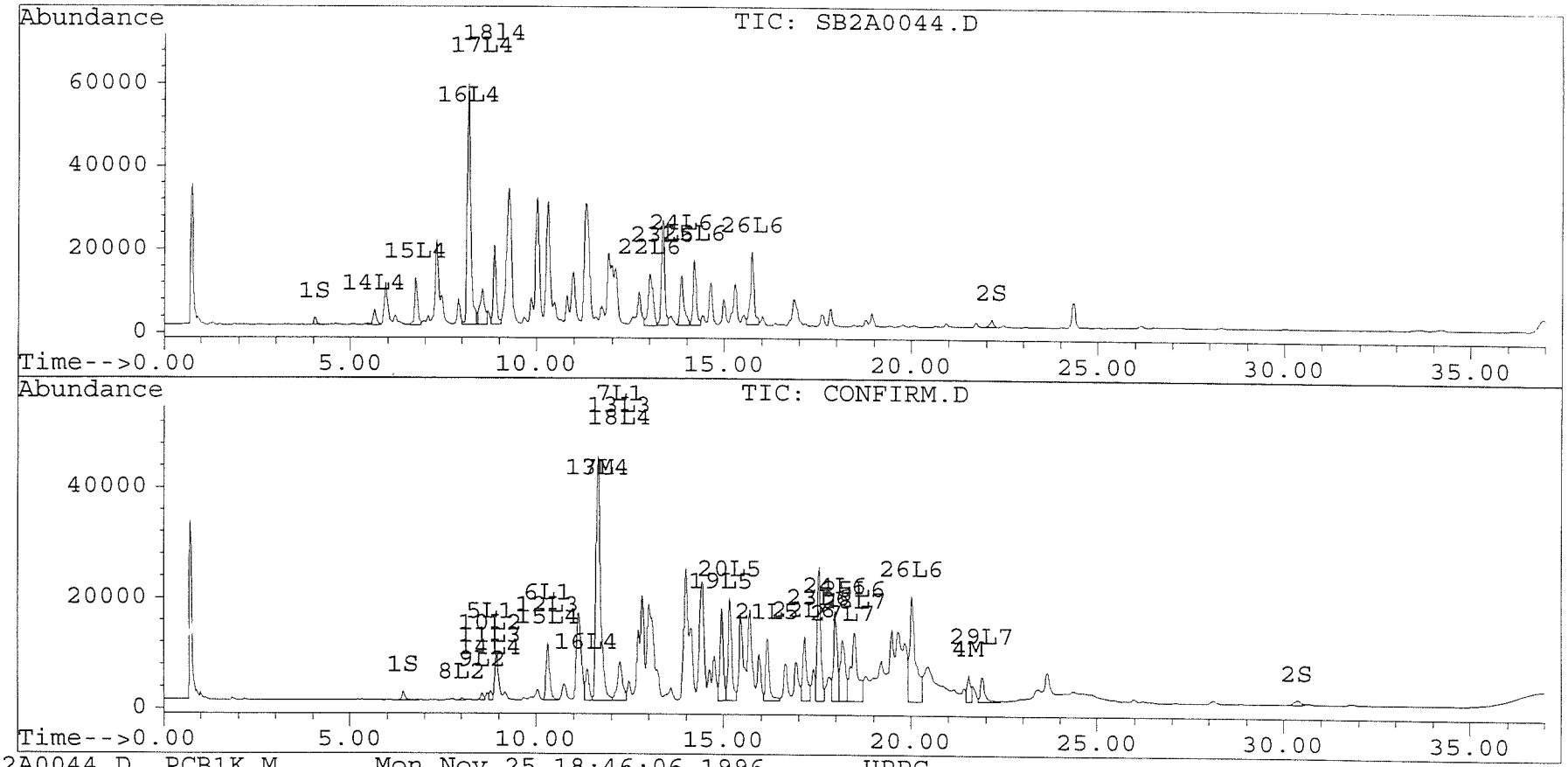
$$\frac{1725 \times 25 \times X}{15.3 \times 0.89} = 1266$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0044.D Vial: 6
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0044.D\CONFIRM.D
Acq On : 25 Nov 96 07:01 AM Operator: JS
Sample : 8080,C995-68,4X,PG5 Inst : SB2
Misc : VHB/15.3G/25ML/89% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:45 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-69.D Vial: 28
Signal #2 : D:\HPCHEM\5\20NOV96\C995-69.D\CONFIRM.D
Acq On : 21 Nov 96 07:04 AM Operator: JS
Sample : VHB / PG6 Inst : ECD1
Misc : 15.5G/10ML 98% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.44	7350	5938	29.486	30.408
				Recovery	=	73.72%	76.02%
2) S	Decachlorobiphenyl	22.16	30.38	4940	2278	24.278	23.450m
				Recovery	=	60.70%	58.62%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.67	6169	4192	57.090	43.312m
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	883	573	4.724	3.390m#
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.66	0.00	603	0	25.375	N.D. #
15) L4	Aroclor-1242 {2}	6.76	10.32	1492	1358	35.224	36.592
16) L4	Aroclor-1242 {3}	8.18	11.38	6169	860	95.599	54.003 #
17) L4	Aroclor-1242 (4)	8.55	11.67	797	4334	29.566	85.807 #
18) L4	Aroclor-1242 (5)	8.88	12.23	1784	1609	80.340	72.347
Total	Aroclor-1242			10845	8160	266.104	248.748
Average	Aroclor-1242					53.221	62.187
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-69.D PCB1K.M Fri Nov 22 11:47:34 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-69.D Vial: 28
Signal #2 : D:\HPCHEM\5\20NOV96\C995-69.D\CONFIRM.D
Acq On : 21 Nov 96 07:04 AM Operator: JS
Sample : VHB / PG6 Inst : ECD1
Misc : 15.5G/10ML 98% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	1594	1465	45.977	46.872
23) L6 Aroclor-1254 {2}	13.36	17.56	3416	3076	47.471	44.557
24) L6 Aroclor-1254 {3}	13.86	17.99	1717	1931	51.098	44.309
25) L6 Aroclor-1254 (4)	14.20	18.51	2075	1345	44.361	47.938
26) L6 Aroclor-1254 (5)	15.75	20.04	2341	1904	43.419	43.438
Total Aroclor-1254			11143	9721	232.326	227.115
Average Aroclor-1254					46.465	45.423
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use only 2 peaks

$\frac{176 \times \frac{5}{2} \times 25}{15.5 \times 0.98} = 724$

AR1254

$\frac{227 \times 25}{15.5 \times 0.98} = 374$

MRL = 160/330 396

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

Quantitation Report

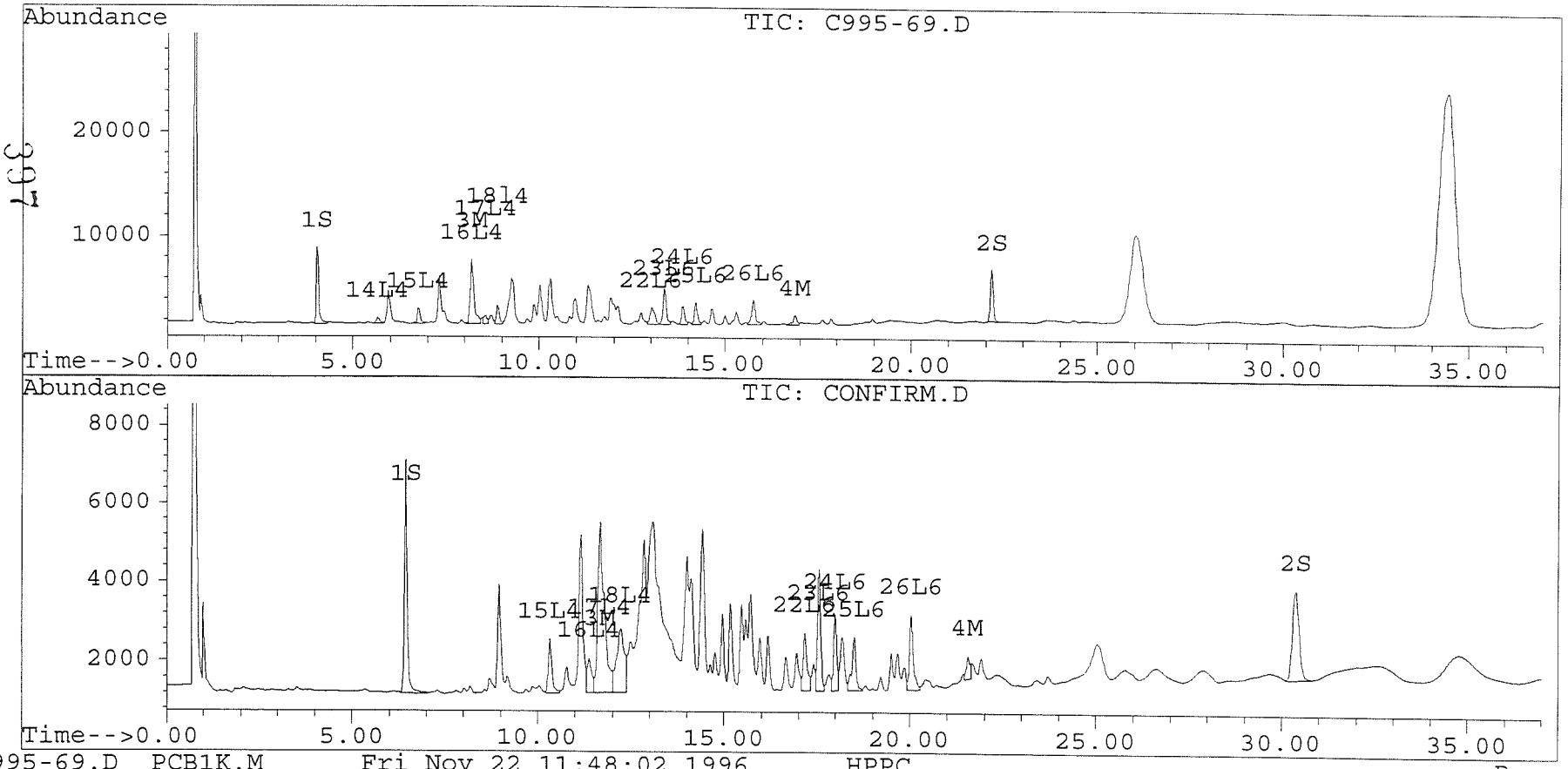
Signal #1 : D:\HPCHEM\5\20NOV96\C995-69.D
Signal #2 : D:\HPCHEM\5\20NOV96\C995-69.D\CONFIRM.D
Acq On : 21 Nov 96 07:04 AM
Sample : VHB / PG6
Misc : 15.5G/10ML 98% SOLID 8080 ANALYSIS PCB
Quant Time: Nov 22 11:33 1996

Vial: 28
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0026.D Vial: 7
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0026.D\CONFIRM.D
Acq On : 24 Nov 96 06:51 PM Operator: JS
Sample : 8080,C995-70,5X,PG5 Inst : SB2
Misc : VHB/15.5G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Use this

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1)	S Tetrachloro-m-xylen	4.04	6.43	1410	1431	5.655 71%	7.328 #
				Recovery	=	14.14%	18.32%
2)	S Decachlorobiphenyl	22.06f	30.38	13125	753	64.511m	7.751 #
				Recovery	=	161.28%	19.38%
							97%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.16	11.65	116275	85358	1076.027	881.892
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.56	9715	6827	51.952	40.390
5)	L1 Aroclor-1016	6.74	8.79	39080	8970	1219.772	704.589 #
6)	L1 Aroclor-1016 (2)	8.87	10.31	40455	34348	2378.537	1218.759
7)	L1 Aroclor-1016 (3)	9.26	12.23	58079	24725	2250.875	1458.550
	Total Aroclor-1016			137614	68043	5849.184	3381.899
	Average Aroclor-1016					1949.728	1127.300
8)	L2 Aroclor-1221	5.05	8.02	1307	1195	186.586	195.430
9)	L2 Aroclor-1221 (2)	5.47	8.56	2190	2331	375.436	478.001 #
10)	L2 Aroclor-1221 (3)	5.64	8.79	14370	8970	711.159	584.261
	Total Aroclor-1221			17867	12496	1273.181	1257.692
	Average Aroclor-1221					424.394	419.231
11)	L3 Aroclor-1232	5.64	8.79	14370	8970	787.791	625.920
12)	L3 Aroclor-1232 (2)	6.74	10.31	39080	34348	2863.548	2859.063
13)	L3 Aroclor-1232 (3)	8.55	12.23	27594	24725	3333.616	3565.625
	Total Aroclor-1232			81044	68043	6984.955	7050.608
	Average Aroclor-1232					2328.318	2350.203
14)	L4 Aroclor-1242	5.64	8.79	14370	8970	604.342	473.862
15)	L4 Aroclor-1242 (2)	6.74	10.31	39080	34348	922.866	925.604
16)	L4 Aroclor-1242 (3)	8.16	11.37	116275	18655	1801.846	1172.035
17)	L4 Aroclor-1242 (4)	8.55	11.65	27594	85358	1023.154	1689.840
18)	L4 Aroclor-1242 (5)	8.87	12.23	40455	24725	1821.905	1111.942
	Total Aroclor-1242			237774	172056	6174.114	5373.283
	Average Aroclor-1242					1234.823	1074.657
19)	L5 Aroclor-1248	9.26	14.95	58079	32869	2060.819	1639.254
20)	L5 Aroclor-1248 (2)	10.01	15.16	53704	35354	2285.745	1713.648

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0026.D Vial: 7
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0026.D\CONFIRM.D
Acq On : 24 Nov 96 06:51 PM Operator: JS
Sample : 8080,C995-70,5X,PG5 Inst : SB2
Misc : VHB/15.5G/25ML/88% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.31	16.17	53913	24647	1771.176	1592.735
Total Aroclor-1248			165695	92871	6117.740	4945.636
Average Aroclor-1248					2039.247	1648.545
22) L6 Aroclor-1254	13.01	17.17	21792	19423	628.422	621.614
23) L6 Aroclor-1254 {2}	13.35	17.55	42390	39955	589.002	578.701
24) L6 Aroclor-1254 {3}	13.84	17.98	19758	25645	588.061	588.600
25) L6 Aroclor-1254 (4)	14.19	18.50	27649	15298	591.021	545.317
26) L6 Aroclor-1254 (5)	15.74	20.03	29223	23643	542.102	539.291
Total Aroclor-1254			140811	123964	2938.608	2873.522
Average Aroclor-1254					587.722	574.704
27) L7 Aroclor-1260	13.84	18.18	19758	13902	571.000	427.927 #
28) L7 Aroclor-1260 {2}	14.63	18.50	16398	15298	413.241	416.295
29) L7 Aroclor-1260 {3}	17.83	21.91	5967	5480	108.024	101.211
Total Aroclor-1260			42122	34680	1092.265	945.433
Average Aroclor-1260					364.088	315.144
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13f	0	473	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - use 2 pks

$\frac{3623 \times \frac{5}{2} \times 5 \times 25}{15.5 \times 0.88} = 83005$

AR1254

$\frac{2874 \times 25 \times 5}{15.5 \times 0.88} = 5270$ ~~5270~~ 26338

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0026.D PCB1K.M Mon Nov 25 15:27:51 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-70.D Vial: 29
Signal #2 : D:\HPCHEM\5\20NOV96\C995-70.D\CONFIRM.D
Acq On : 21 Nov 96 07:44 AM Operator: JS
Sample : VHB / PH4 Inst : ECD1
Misc : 15.5G/10ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	6585	6479	26.415	33.181 #
				Recovery	=	66.04%	82.95%
2) S	Decachlorobiphenyl	22.17	30.39	7365	2786	36.198m	28.680
				Recovery	=	90.50%	71.70%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	423032	312934	3914.816	3233.124
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	40375	30234	215.907	178.860
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	52511	33933	2208.463	1792.677
15) L4	Aroclor-1242 {2}	6.75	10.31	132405	117124	3126.705	3156.206
16) L4	Aroclor-1242 {3}	8.17	11.37	423032	67806	6555.500	4260.067
17) L4	Aroclor-1242 (4)	8.55	11.65	98805	312934	3663.514	6195.161
18) L4	Aroclor-1242 (5)	8.87	12.24	149853	90334	6748.617	4062.597
Total	Aroclor-1242			856606	622131	22302.799	19466.708
Average	Aroclor-1242					4460.560	3893.342
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-70.D Vial: 29
Signal #2 : D:\HPCHEM\5\20NOV96\C995-70.D\CONFIRM.D
Acq On : 21 Nov 96 07:44 AM Operator: JS
Sample : VHB / PH4 Inst : ECD1
Misc : 15.5G/10ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	82616	74457	2382.451	2382.914
23) L6 Aroclor-1254 {2}	13.36	17.55	151917	144191	2110.878	2088.458
24) L6 Aroclor-1254 {3}	13.85	17.99	71179	97915	2118.575	2247.301
25) L6 Aroclor-1254 (4)	14.19	18.50	104045	54943	2224.064	1958.541
26) L6 Aroclor-1254 (5)	15.74	20.04	109012	89922	2022.245	2051.089
Total Aroclor-1254			518770	461427	10858.214	10728.303
Average Aroclor-1254					2171.643	2145.661
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 180 | 360

401

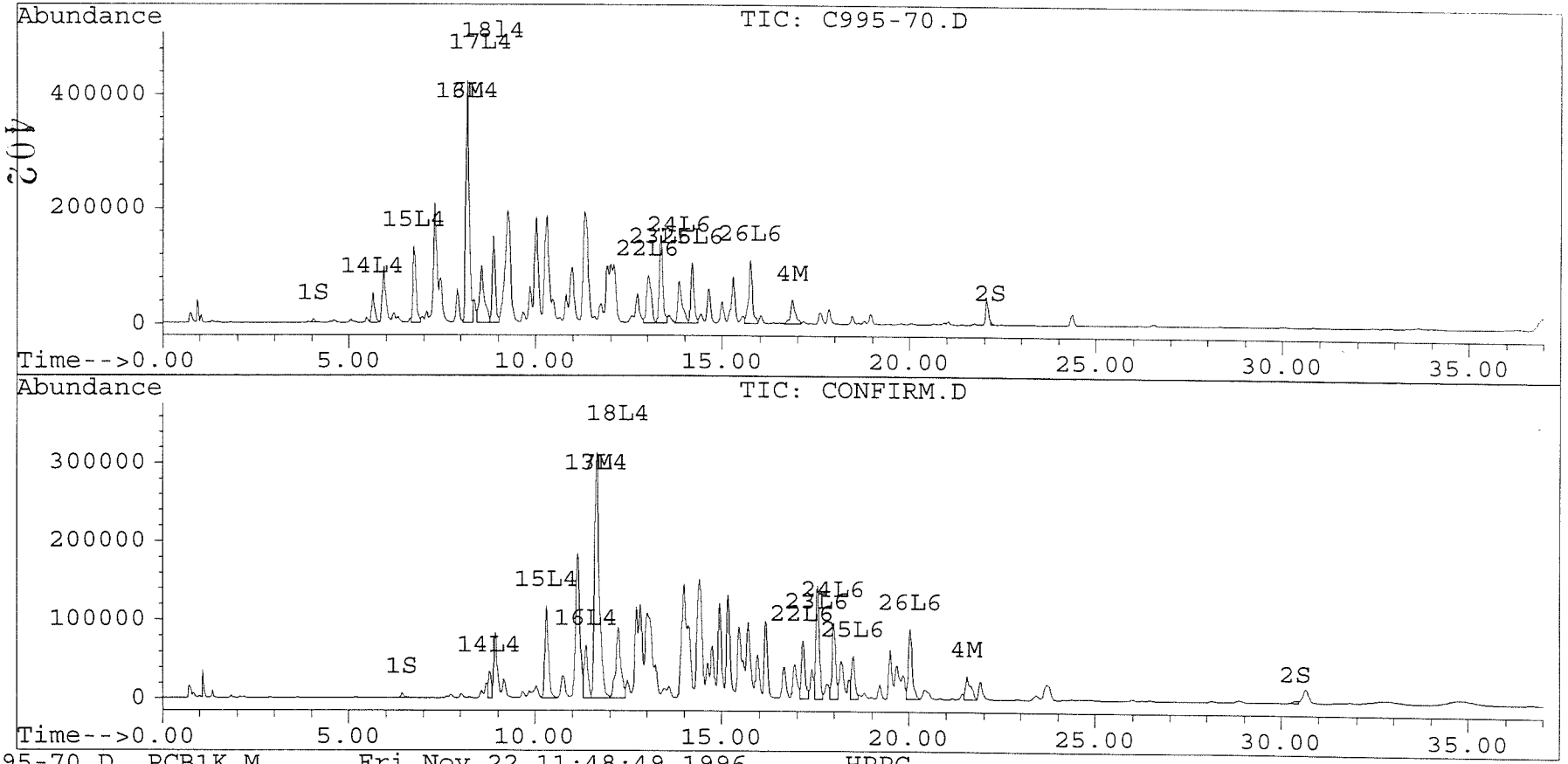
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-70.D Vial: 29
Signal #2 : D:\HPCHEM\5\20NOV96\C995-70.D\CONFIRM.D
Acq On : 21 Nov 96 07:44 AM Operator: JS
Sample : VHB / PH4 Inst : ECD1
Misc : 15.5G/10ML 88% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-71.D Vial: 30
Signal #2 : D:\HPCHEM\5\20NOV96\C995-71.D\CONFIRM.D
Acq On : 21 Nov 96 08:25 AM Operator: JS
Sample : VHB / PH5 Inst : ECD1
Misc : 15.4G/10ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8560	7232	34.339	37.038
				Recovery	=	85.85%	92.60%
2) S	Decachlorobiphenyl	22.16	30.38	6285	2806	30.890m	28.891m
				Recovery	=	77.22%	72.23%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.65	209334	157059	1937.212	1622.675
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	17151	12205	91.716	72.201
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	19561	11494	822.653	607.208 #
15) L4	Aroclor-1242 {2}	6.75	10.31	65429	57919	1545.083	1560.776
16) L4	Aroclor-1242 {3}	8.16	11.37	209334	33542	3243.931	2107.371
17) L4	Aroclor-1242 (4)	8.55	11.65	43043	157059	1595.973	3109.294
18) L4	Aroclor-1242 (5)	8.87	12.24	71141	38267	3203.831	1720.963
Total	Aroclor-1242			408507	298280	10411.471	9105.613
Average	Aroclor-1242					2082.294	1821.123
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

403

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-71.D Vial: 30
Signal #2 : D:\HPCHEM\5\20NOV96\C995-71.D\CONFIRM.D
Acq On : 21 Nov 96 08:25 AM Operator: JS
Sample : VHB / PH5 Inst : ECD1
Misc : 15.4G/10ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	36494	32902	1052.394	1052.994
23) L6 Aroclor-1254 {2}	13.36	17.56	69966	65940	972.174	955.070
24) L6 Aroclor-1254 {3}	13.85	17.99	31705	43008	943.655	987.110
25) L6 Aroclor-1254 (4)	14.19	18.50	45191	24874	965.995	886.672
26) L6 Aroclor-1254 (5)	15.74	20.04	48790	39515	905.084	901.325
Total Aroclor-1254			232145	206239	4839.302	4783.171
Average Aroclor-1254					967.860	956.634
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254

$\frac{4783 \times 25}{15.4 \times 0.92} = 8440$

MRL = 180/36 4 4

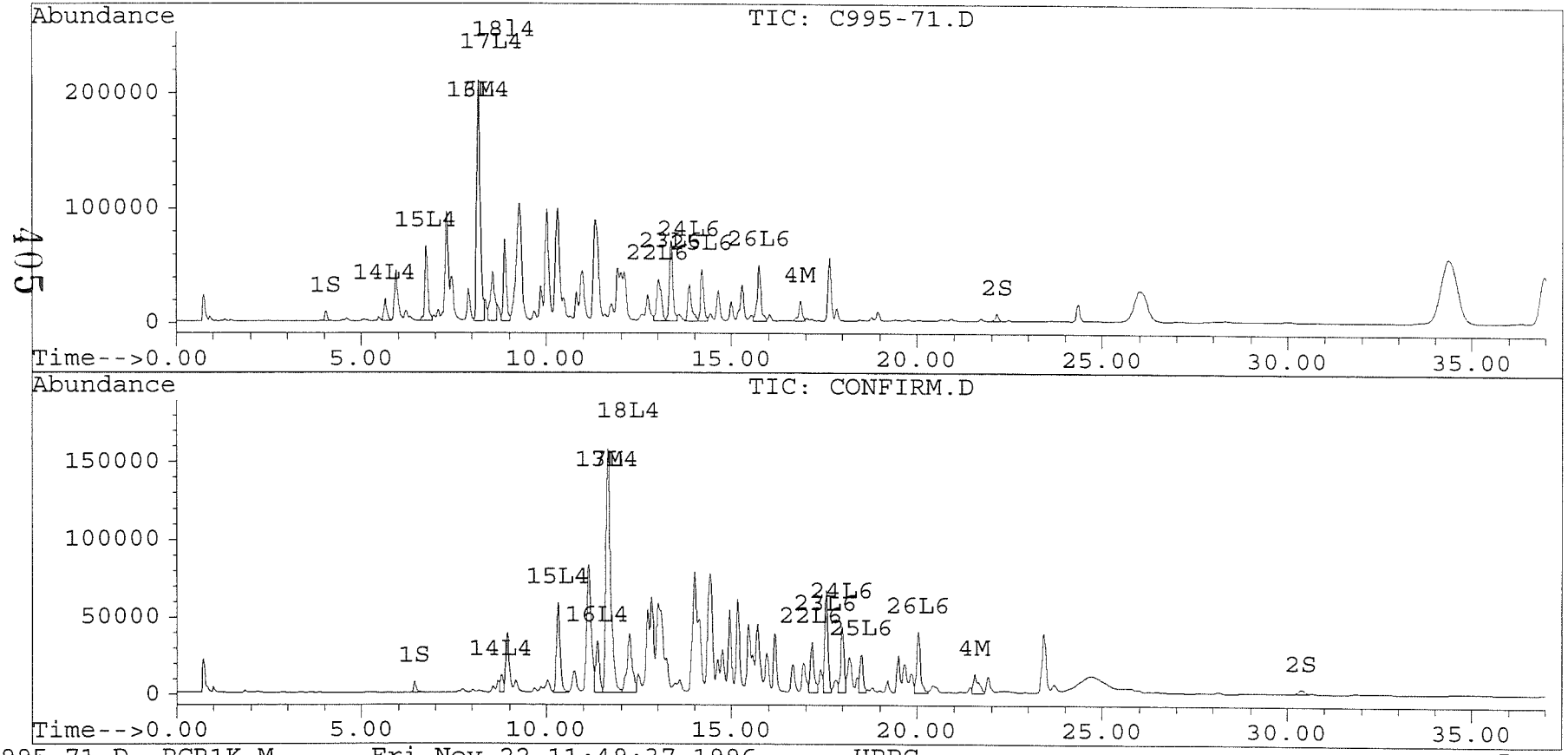
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-71.D Vial: 30
Signal #2 : D:\HPCHEM\5\20NOV96\C995-71.D\CONFIRM.D
Acq On : 21 Nov 96 08:25 AM Operator: JS
Sample : VHB / PH5 Inst : ECD1
Misc : 15.4G/10ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



405

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0241.D Vial: 53
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0241.D\CONFIRM.D
Acq On : 01 Dec 96 08:50 AM Operator: JS
Sample : VHB,C0995-71, PH5 Inst : SB2
Misc : 15.4g,25mL, 92% Solid, 5X Dilution Multiplr: 1.00
Quant Time: Dec 2 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	1460	1231	7.551	8.000
				Recovery	=	18.88%	20.00%
2) S	Decachlorobiphenyl	22.09	30.25	1525	1563	9.637	21.119 #
				Recovery	=	24.09%	52.80%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.60	50274	35586	673.379	538.288
4) M	2,2',3,3',4,4'-Hexa	16.80	21.51	3268	2215	25.149	18.223 #
5) L1	Aroclor-1016	6.70	8.74	16468	2440	669.723	257.520 #
6) L1	Aroclor-1016 {2}	8.82	10.27	15575	14016	1298.468	660.166 #
7) L1	Aroclor-1016 {3}	9.20	12.19	24980	8235	1307.759	684.474 #
Total	Aroclor-1016			57023	24691	3275.949	1602.160
Average	Aroclor-1016					1091.983	534.053
8) L2	Aroclor-1221	5.08f	7.98f	200	314	28.544	51.309 #
9) L2	Aroclor-1221 {2}	5.42f	0.00	658	0	112.794	N.D. #
10) L2	Aroclor-1221 {3}	5.60f	8.74f	4446	2440	220.058	158.905 #
Total	Aroclor-1221			5305	2753	361.396	210.214
Average	Aroclor-1221					120.465	105.107
11) L3	Aroclor-1232	5.60f	8.74f	4446	2440	243.770	170.235 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			4446	2440	243.770	170.235
Average	Aroclor-1232					243.770	170.235
14) L4	Aroclor-1242	5.60	8.74	4446	2440	278.822	188.886 #
15) L4	Aroclor-1242 {2}	6.70	10.27	16468	14016	556.094	547.801
16) L4	Aroclor-1242 {3}	8.11	11.32	50274	7174	1208.973	668.243 #
17) L4	Aroclor-1242 (4)	8.49	11.60	9511	35586	551.345	1096.219 #
18) L4	Aroclor-1242 (5)	8.82	12.19	15575	8235	1109.457	574.666 #
Total	Aroclor-1242			96274	67451	3704.692	3075.814
Average	Aroclor-1242					740.938	615.163
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0241.D Vial: 53
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0241.D\CONFIRM.D
Acq On : 01 Dec 96 08:50 AM Operator: JS
Sample : VHB,C0995-71, PH5 Inst : SB2
Misc : 15.4g,25mL, 92% Solid, 5X Dilution Multiplr: 1.00
Quant Time: Dec 2 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	7272	6318	310.254	300.863
23) L6 Aroclor-1254 {2}	13.29	17.50	15291	13932	311.491	294.544
24) L6 Aroclor-1254 {3}	13.78	17.94	6900	9041	297.793	315.165
25) L6 Aroclor-1254 (4)	14.13	18.45	9641	5385	317.546	278.724
26) L6 Aroclor-1254 (5)	15.68	19.99	10088	8017	277.038	268.467
Total Aroclor-1254			49192	42692	1514.121	1457.762
Average Aroclor-1254					302.824	291.552
27) L7 Aroclor-1260	13.78	18.13	6900	5163	271.591	214.757
28) L7 Aroclor-1260 {2}	14.57	18.45	5860	5385	202.714	199.847
29) L7 Aroclor-1260 {3}	17.77	21.87	2214	2081	54.834	50.994
Total Aroclor-1260			14974	12629	529.139	465.599
Average Aroclor-1260					176.380	155.200
30) L8 Aroclor-1268	18.88	0.00	1643	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

$\frac{2318 \times \frac{5}{2} \times 25 \times 5}{15.4 \times 0.92} = 51,120\,D$

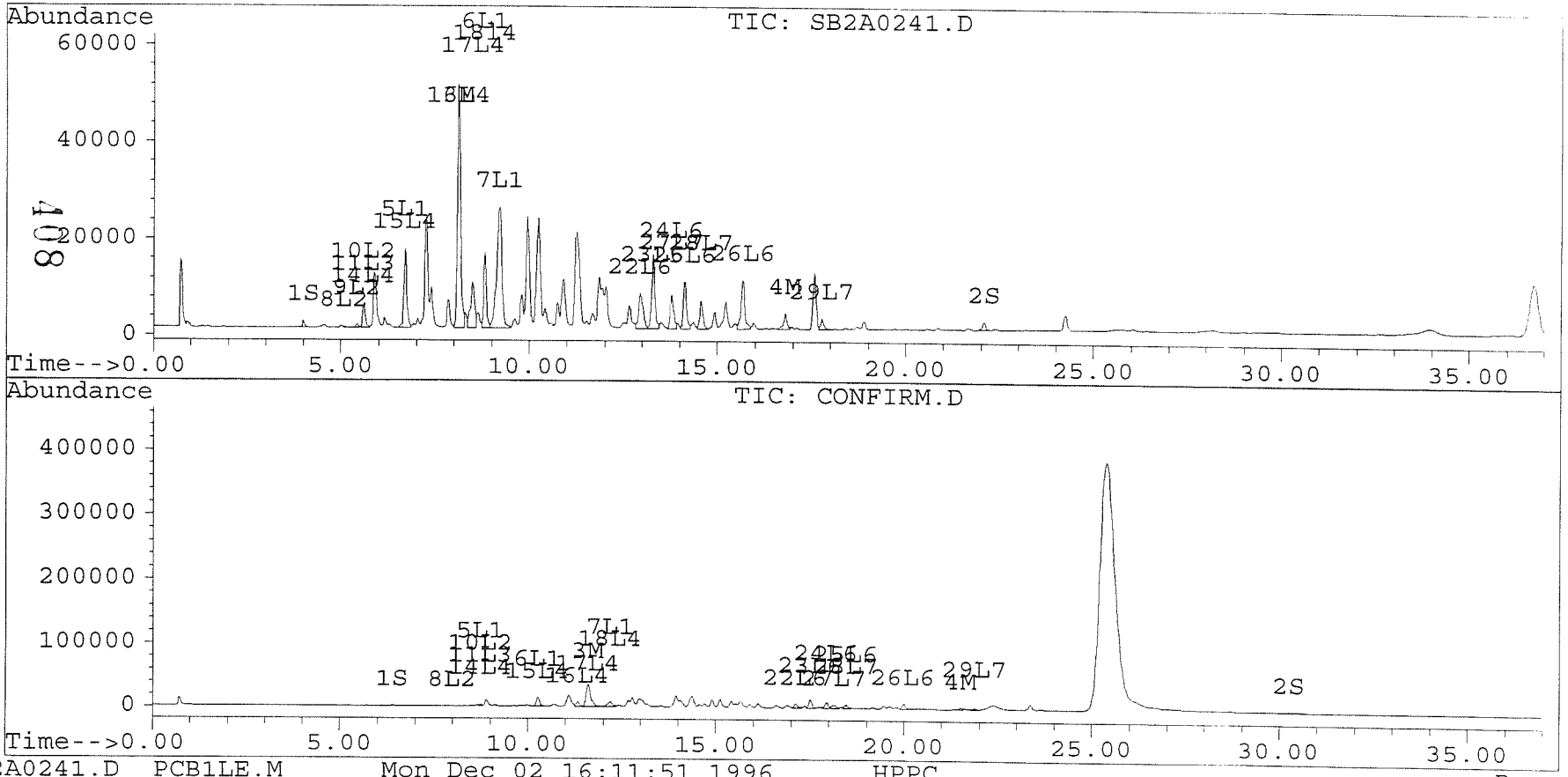
$\frac{1514 \times 25 \times 5}{15.4 \times 0.92} = 1336$

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0241.D Vial: 53
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0241.D\CONFIRM.D
Acq On : 01 Dec 96 08:50 AM Operator: JS
Sample : VHB,C0995-71, PH5 Inst : SB2
Misc : 15.4g,25mL, 92% Solid, 5X Dilution Multiplr: 1.00
Quant Time: Dec 2 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-72.D Vial: 31
Signal #2 : D:\HPCHEM\5\20NOV96\C995-72.D\CONFIRM.D
Acq On : 21 Nov 96 09:05 AM Operator: JS
Sample : VHB / PH6 Inst : ECD1
Misc : 15.2G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	8416	7009	33.763	35.893
					Recovery	=	84.41%	89.73%
2)	S	Decachlorobiphenyl	22.15	30.38	6587	2777	32.376m	28.592m
					Recovery	=	80.94%	71.48%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	60131	41759	556.465	431.437
4)	M	2,2',3,3',4,4'-Hexa	16.87	21.56	9417	6920	50.358	40.938
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	5.64	0.00	7340	0	308.681	N.D. #
15)	L4	Aroclor-1242 {2}	6.75	10.32	13779	11913	325.379	321.037
16)	L4	Aroclor-1242 {3}	8.17	11.37	60131	6105	931.820	383.573 #
17)	L4	Aroclor-1242 (4)	8.55	11.66	8771	41759	325.220	826.700 #
18)	L4	Aroclor-1242 (5)	8.88	12.23	17886	10000	805.485	449.743 #
		Total Aroclor-1242			107906	69778	2696.586	1981.053
		Average Aroclor-1242					539.317	495.263
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-72.D PCB1K.M Fri Nov 22 11:49:57 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-72.D Vial: 31
Signal #2 : D:\HPCHEM\5\20NOV96\C995-72.D\CONFIRM.D
Acq On : 21 Nov 96 09:05 AM Operator: JS
Sample : VHB / PH6 Inst : ECD1
Misc : 15.2G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	17379	15713	501.169	502.892
23) L6 Aroclor-1254 (2)	13.36	17.55	35947	32430	499.481	469.715
24) L6 Aroclor-1254 (3)	13.85	17.99	17099	20722	508.929	475.613
25) L6 Aroclor-1254 (4)	14.19	18.50	22341	13723	477.552	489.177
26) L6 Aroclor-1254 (5)	15.74	20.04	27119	21929	503.075	500.192
Total Aroclor-1254			119885	104518	2490.207	2437.589
Average Aroclor-1254					498.041	487.518
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242
Use only 2 pts

$$\frac{1737 \times \frac{5}{2} \times 25}{15.2 \times 0.93} = 7680$$

AR1254

$$\frac{2438 \times 25}{15.2 \times 0.93} = 4310$$

MRL = 180/360 410

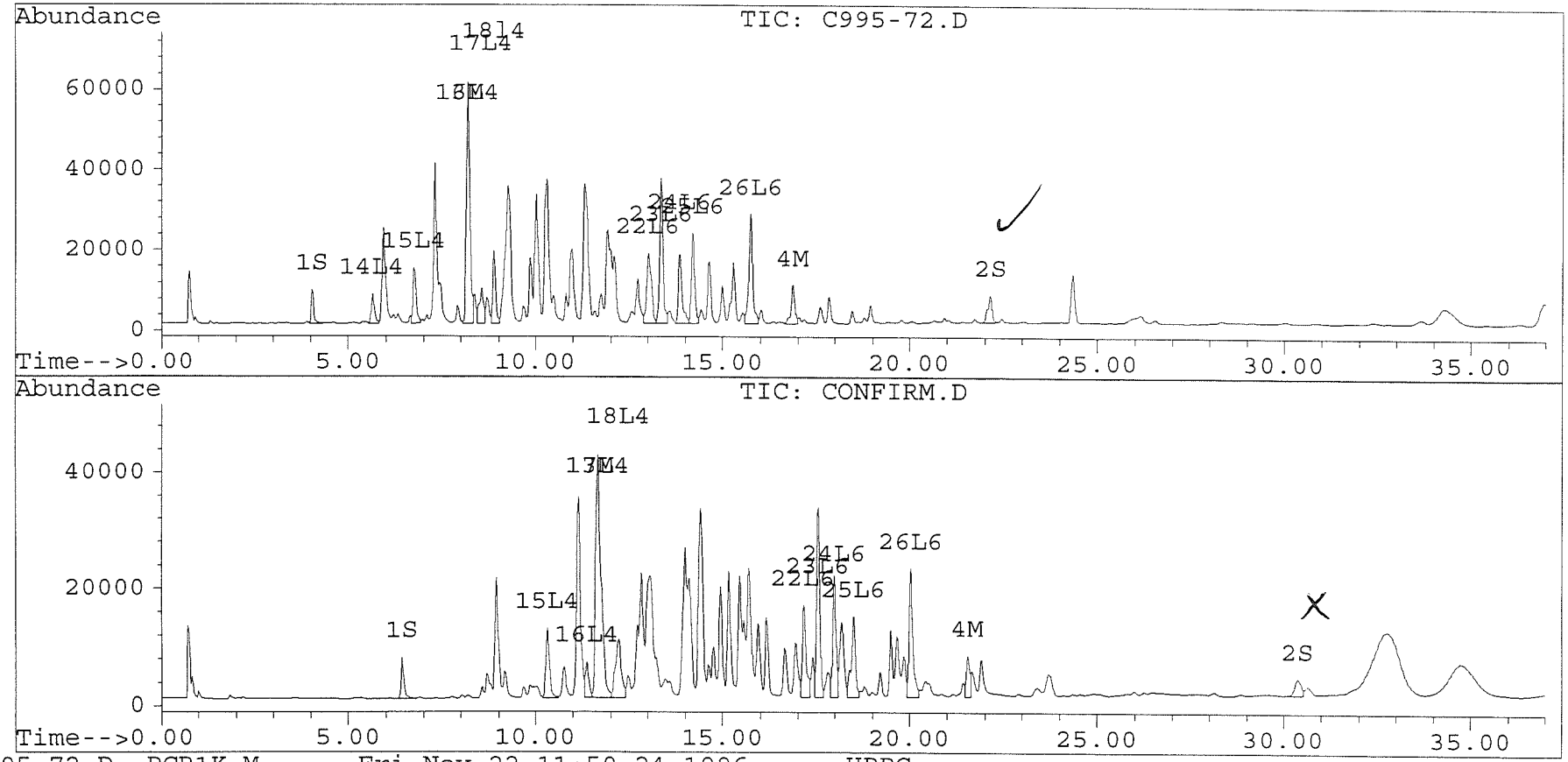
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-72.D Vial: 31
Signal #2 : D:\HPCHEM\5\20NOV96\C995-72.D\CONFIRM.D
Acq On : 21 Nov 96 09:05 AM Operator: JS
Sample : VHB / PH6 Inst : ECD1
Misc : 15.2G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:40 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-73.D Vial: 32
Signal #2 : D:\HPCHEM\5\20NOV96\C995-73.D\CONFIRM.D
Acq On : 21 Nov 96 09:46 AM Operator: JS
Sample : VHB / PI4 Inst : ECD1
Misc : 15.4G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	9103	7643	36.519	39.142	
				Recovery	=	91.30%	97.86%	
2) S	Decachlorobiphenyl	22.16	30.38	7091	3553	34.853m	36.577	
				Recovery	=	87.13%	91.44%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	26572	19559	245.899	202.074	
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	4807	3544	25.704	20.966	
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.63	8.79	5192	1598	218.376	84.414	#
15) L4	Aroclor-1242 {2}	6.75	10.32	7834	7029	185.005	189.409	
16) L4	Aroclor-1242 {3}	8.17	11.37	26572	3435	411.766	215.832	#
17) L4	Aroclor-1242 (4)	8.55	11.66	4702	19559	174.325	387.204	#
18) L4	Aroclor-1242 (5)	8.88	12.24	7757	4298	349.314	193.288	#
Total	Aroclor-1242			52056	35919	1338.787	1070.147	
Average	Aroclor-1242					267.757	214.029	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-73.D Vial: 32
Signal #2 : D:\HPCHEM\5\20NOV96\C995-73.D\CONFIRM.D
Acq On : 21 Nov 96 09:46 AM Operator: JS
Sample : VHB / PI4 Inst : ECD1
Misc : 15.4G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.01	17.17	8783	7711	253.270	246.770
23) L6 Aroclor-1254 {2}	13.35	17.55	19182	17331	266.525	251.025
24) L6 Aroclor-1254 {3}	13.85	17.99	9355	11419	278.453	262.085
25) L6 Aroclor-1254 (4)	14.19	18.50	12244	7637	261.722	272.245
26) L6 Aroclor-1254 (5)	15.74	20.04	14196	11607	263.343	264.759
Total Aroclor-1254			63759	55706	1323.314	1296.885
Average Aroclor-1254					264.663	259.377
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 use only 2pts

$\frac{780 \times \frac{5}{2} \times 25}{15.4 \times 0.89} = 3466$

AR1254

$\frac{1297 \times 25}{15.4 \times 0.89} = 2366$

413 MRL = 180/360

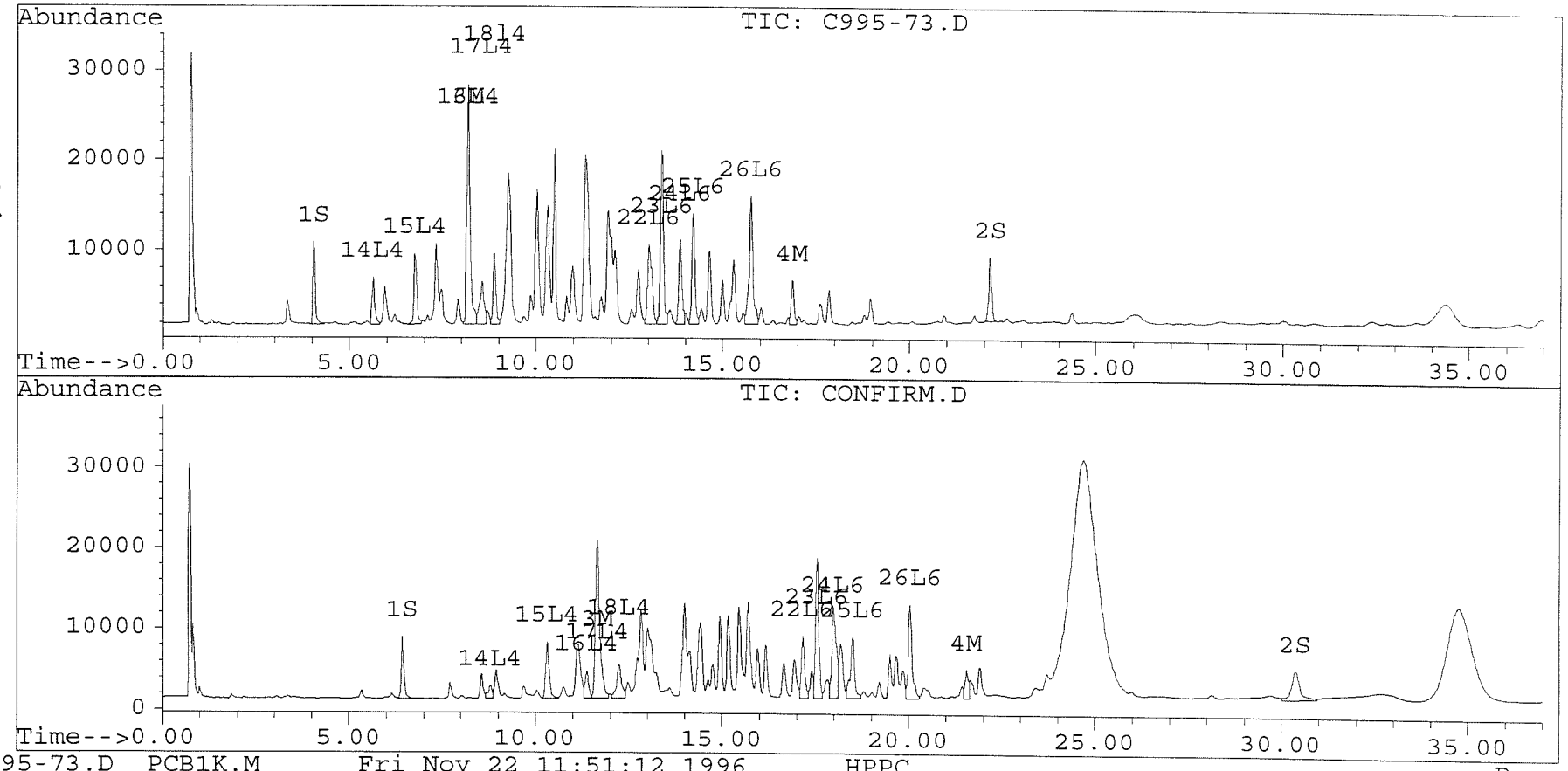
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-73.D Vial: 32
Signal #2 : D:\HPCHEM\5\20NOV96\C995-73.D\CONFIRM.D
Acq On : 21 Nov 96 09:46 AM Operator: JS
Sample : VHB / PI4 Inst : ECD1
Misc : 15.4G/10ML 89% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-74.D Vial: 33
Signal #2 : D:\HPCHEM\5\20NOV96\C995-74.D\CONFIRM.D
Acq On : 21 Nov 96 10:26 AM Operator: JS
Sample : VHB / PI5 Inst : ECD1
Misc : 15.3G/10ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

to be dilute 4X

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8285	7140	33.236	36.566
				Recovery	=	83.09%	91.42%
2) S	Decachlorobiphenyl	22.16	30.38	6986	3027	34.337m	31.166m
				Recovery	=	85.84%	~~77.92%~~
							broad peak
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	235756	179925	2181.732	1858.920
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	16686	12103	89.230	71.602
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	18771	7530	789.465	397.802 #
15) L4	Aroclor-1242 {2}	6.75	10.31	54177	48428	1279.369	1305.011
16) L4	Aroclor-1242 {3}	8.17	11.37	235756	28571	3653.389	1795.053
17) L4	Aroclor-1242 (4)	8.55	11.65	38475	179925	1426.569	3561.976
18) L4	Aroclor-1242 (5)	8.87	12.23	82768	32962	3727.468	1482.413
Total	Aroclor-1242			429947	297416	10876.260	8542.255
Average	Aroclor-1242					2175.252	1708.451
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-74.D Vial: 33
Signal #2 : D:\HPCHEM\5\20NOV96\C995-74.D\CONFIRM.D
Acq On : 21 Nov 96 10:26 AM Operator: JS
Sample : VHB / PI5 Inst : ECD1
Misc : 15.3G/10ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	38733	34390	1116.982	1100.636
23) L6 Aroclor-1254 {2}	13.35	17.55	71364	67369	991.599	975.762
24) L6 Aroclor-1254 {3}	13.85	17.98	33658	43438	1001.779	996.961
25) L6 Aroclor-1254 (4)	14.19	18.50	46058	24248	984.533	864.383
26) L6 Aroclor-1254 (5)	15.74	20.04	47274	38547	876.969	879.241
Total Aroclor-1254			237088	207992	4971.862	4816.983
Average Aroclor-1254					994.372	963.397
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use only 2 pks

$7390 \times \frac{5}{2}$

AR1254 =

$\frac{4817 \times 25}{15.3 \times 0.81} = 9720$

MRL = 400

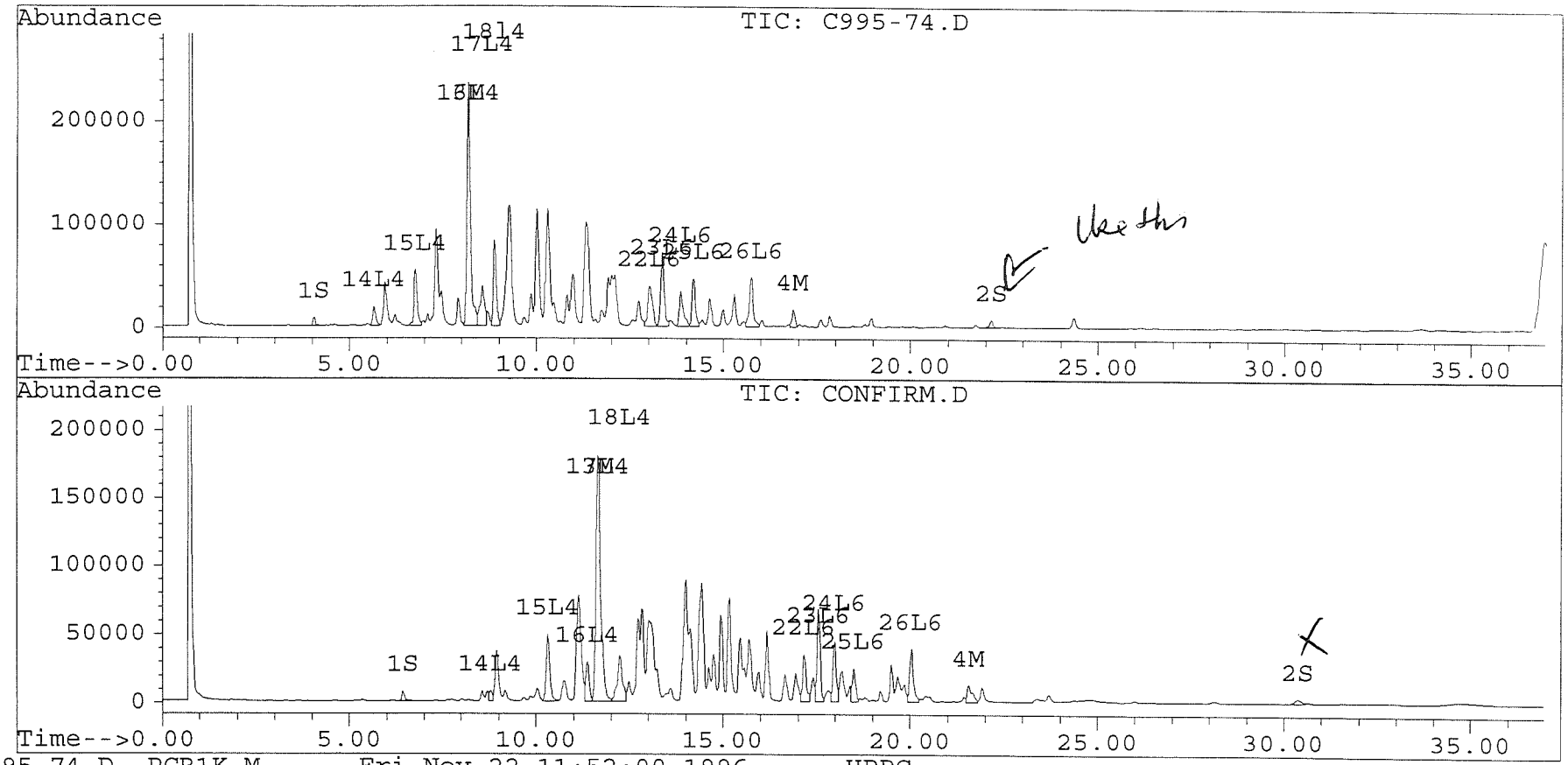
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-74.D Vial: 33
Signal #2 : D:\HPCHEM\5\20NOV96\C995-74.D\CONFIRM.D
Acq On : 21 Nov 96 10:26 AM Operator: JS
Sample : VHB / PI5 Inst : ECD1
Misc : 15.3G/10ML 81% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0024.D Vial: 5
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0024.D\CONFIRM.D
Acq On : 24 Nov 96 05:28 PM Operator: JS
Sample : 8080,C995-74,4X,PI5 Inst : SB2
Misc : VHB/15.3G/25ML/81% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.05	6.42	1927	1690	7.729	8.655
				Recovery	=	19.32%	21.64%
2) S	Decachlorobiphenyl	22.16	30.37	1853	886	9.106m	9.121
				Recovery	=	22.77%	22.80%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	72950	54938	675.095	567.602
4) M	2,2',3,3',4,4'-Hexa	16.86	21.55	4350	2974	23.261	17.594
5) L1	Aroclor-1016	6.76	8.78	17906	2201	558.897	172.857 #
6) L1	Aroclor-1016 (2)	8.88	10.30	24597	15863	1446.133	562.872 #
7) L1	Aroclor-1016 (3)	9.27	12.23	39361	9776	1525.460	576.693 #
Total	Aroclor-1016			81864	27840	3530.490	1312.423
Average	Aroclor-1016					1176.830	437.474
8) L2	Aroclor-1221	5.06	8.01	233	352	33.212	57.511 #
9) L2	Aroclor-1221 (2)	5.48	8.55	541	1785	92.743	366.059 #
10) L2	Aroclor-1221 (3)	5.65	8.78	5148	2201	254.769	143.337 #
Total	Aroclor-1221			5922	4338	380.724	566.906
Average	Aroclor-1221					126.908	188.969
11) L3	Aroclor-1232	5.65	8.78	5148	2201	282.222	153.557 #
12) L3	Aroclor-1232 (2)	6.76	10.30	17906	15863	1312.071	1320.431
13) L3	Aroclor-1232 (3)	8.56	12.23	11648	9776	1407.118	1409.805
Total	Aroclor-1232			34702	27840	3001.411	2883.794
Average	Aroclor-1232					1000.470	961.265
14) L4	Aroclor-1242	5.65	8.78	5148	2201	216.503	116.253 #
15) L4	Aroclor-1242 (2)	6.76	10.30	17906	15863	422.855	427.481
16) L4	Aroclor-1242 (3)	8.17	11.36	72950	8496	1130.471	533.776 #
17) L4	Aroclor-1242 (4)	8.56	11.65	11648	54938	431.873	1087.612 #
18) L4	Aroclor-1242 (5)	8.88	12.23	24597	9776	1107.705	439.648 #
Total	Aroclor-1242			132249	91274	3309.406	2604.770
Average	Aroclor-1242					661.881	520.954
19) L5	Aroclor-1248	9.27	14.94	39361	18445	1396.656	919.892 #
20) L5	Aroclor-1248 (2)	10.02	15.16	36770	22020	1564.992	1067.313

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0024.D Vial: 5
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0024.D\CONFIRM.D
Acq On : 24 Nov 96 05:28 PM Operator: JS
Sample : 8080,C995-74,4X,PI5 Inst : SB2
Misc : VHB/15.3G/25ML/81% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.32	16.17	31181	13483	1024.381	871.286
Total	Aroclor-1248			107312	53948	3986.029	2858.490
Average	Aroclor-1248					1328.676	952.830
22) L6	Aroclor-1254	13.02	17.16	10782	9408	310.929	301.102
23) L6	Aroclor-1254 {2}	13.36	17.55	21732	19769	301.967	286.330
24) L6	Aroclor-1254 {3}	13.85	17.98	10026	11884	298.399	272.748
25) L6	Aroclor-1254 (4)	14.20	18.50	12724	7147	271.979	254.766
26) L6	Aroclor-1254 (5)	15.75	20.03	13215	10783	245.149	245.964
Total	Aroclor-1254			68479	58991	1428.423	1360.910
Average	Aroclor-1254					285.685	272.182
27) L7	Aroclor-1260	13.85	18.18	10026	7009	289.742	215.753 #
28) L7	Aroclor-1260 {2}	14.64	18.50	8039	7147	202.589	194.489
29) L7	Aroclor-1260 {3}	17.84	21.91	2873	2727	52.023	50.361
Total	Aroclor-1260			20938	16883	544.354	460.603
Average	Aroclor-1260					181.451	153.534
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	23.53	0	515	N.D.	NoCal
32) L8	Aroclor-1268 {3}	0.00	28.13	0	392	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2pk

AR

$$\frac{2238 \times \frac{5}{2} \times 4 \times 25}{15.3 \times 0.81} = 45{,}000$$

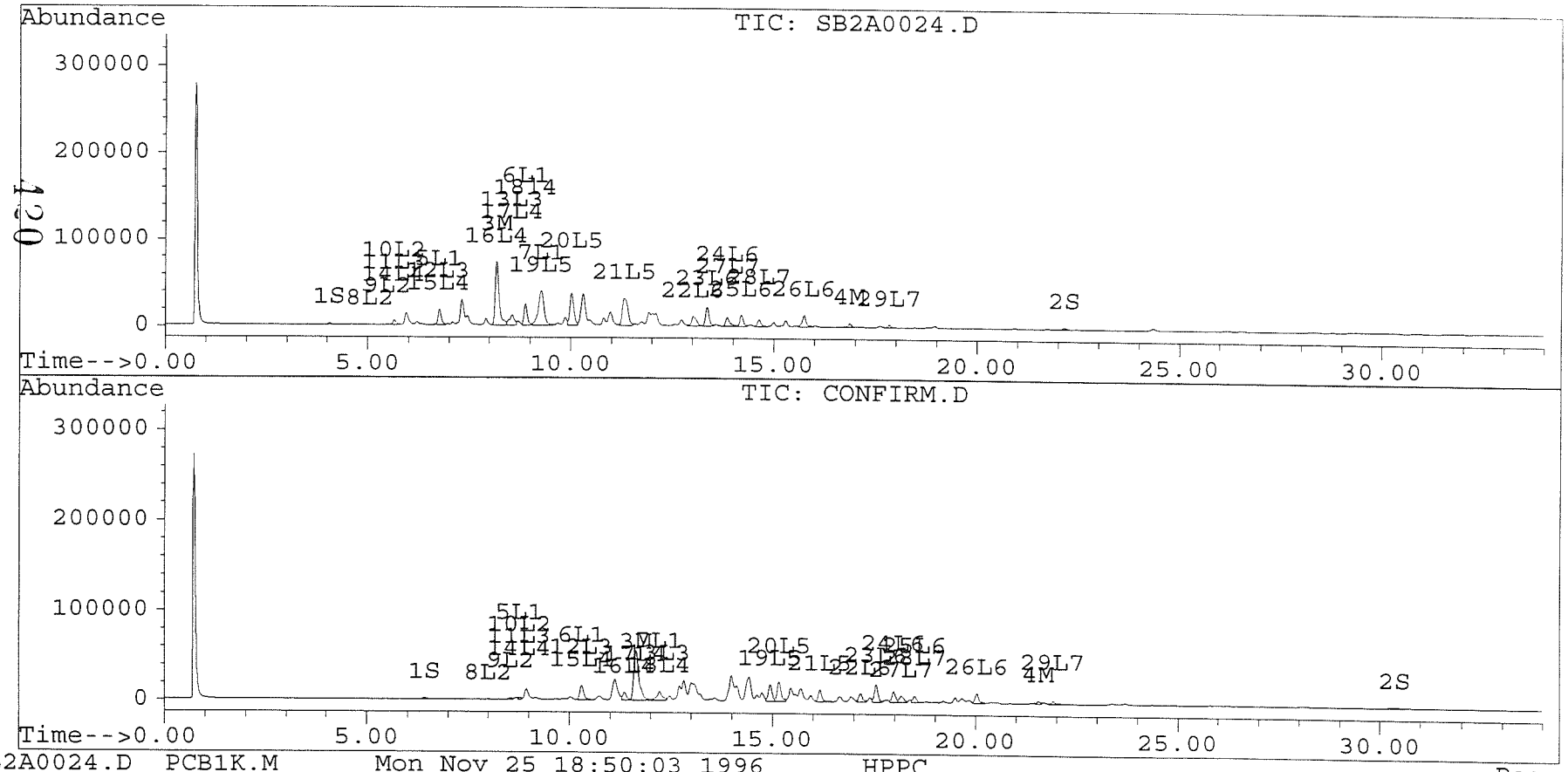
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0024.D PCB1K.M Mon Nov 25 18:49:27 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0024.D Vial: 5
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0024.D\CONFIRM.D
Acq On : 24 Nov 96 05:28 PM Operator: JS
Sample : 8080,C995-74,4X,PI5 Inst : SB2
Misc : VHB/15.3G/25ML/81% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:48 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-75.D Vial: 34
Signal #2 : D:\HPCHEM\5\20NOV96\C995-75.D\CONFIRM.D
Acq On : 21 Nov 96 11:07 AM Operator: JS
Sample : VHB / PI6 (25) Inst : ECD1
Misc : 15.5G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:43 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8903	7293	35.715	37.350
				Recovery	=	89.29%	93.38%
2) S	Decachlorobiphenyl	22.15	30.38	7457	3279	36.651m	33.760
				Recovery	=	91.63%	84.40%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	84774	56924	784.517	588.123 #
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	11776	8366	62.972	49.493
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	0.00	9987	0	420.005	N.D. #
15) L4	Aroclor-1242 {2}	6.75	10.31	16628	14438	392.675	389.060
16) L4	Aroclor-1242 {3}	8.17	11.37	84774	7798	1313.701	489.928 #
17) L4	Aroclor-1242 (4)	8.55	11.66	11938	56924	442.656	1126.933 #
18) L4	Aroclor-1242 (5)	8.87	12.22	24588	14045	1107.312	631.639 #
Total	Aroclor-1242			147916	93205	3676.350	2637.561
Average	Aroclor-1242					735.270	659.390
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-75.D Vial: 34
Signal #2 : D:\HPCHEM\5\20NOV96\C995-75.D\CONFIRM.D
Acq On : 21 Nov 96 11:07 AM Operator: JS
Sample : VHB / PI6 (2x) Inst : ECD1
Misc : 15.5G/~~10ML~~ 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:43 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	22154	19973	638.868	639.228
23) L6 Aroclor-1254 {2}	13.36	17.55	45388	41249	630.657	597.450
24) L6 Aroclor-1254 {3}	13.85	17.98	21296	25835	633.852	592.962
25) L6 Aroclor-1254 (4)	14.19	18.50	27895	17398	596.284	620.204
26) L6 Aroclor-1254 (5)	15.74	20.04	33660	27580	624.410	629.097
Total Aroclor-1254			150392	132037	3124.071	3078.941
Average Aroclor-1254					624.814	615.788
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 use 2 pks

$$\frac{2420 \times \frac{5}{2} \times 25}{15.5 \times 0.93} = 10,490$$

AR1254 =

$$\frac{3079 \times 25}{15.5 \times 0.93} = 5340$$

MRL = 170/34. 422

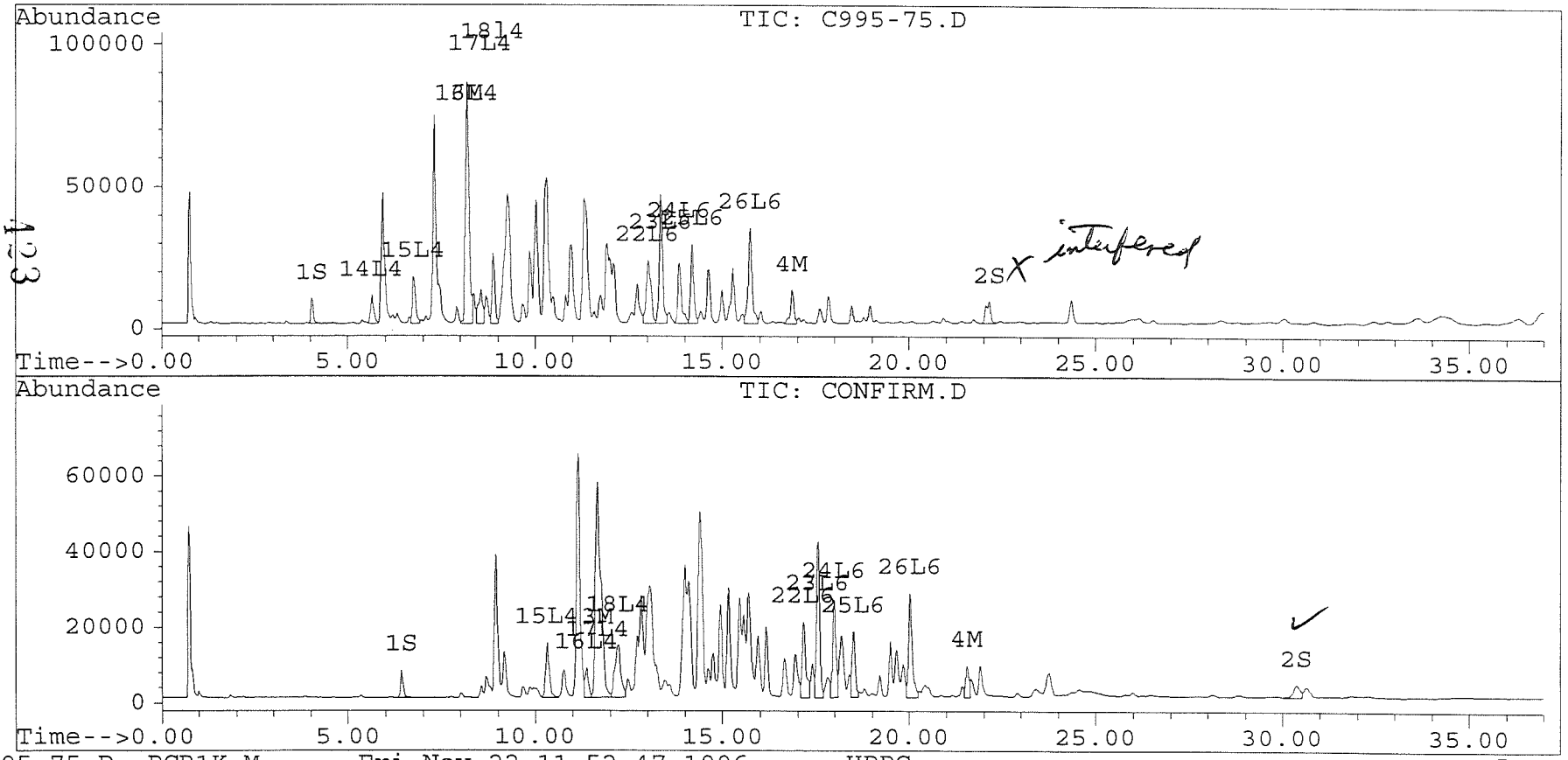
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-75.D Vial: 34
Signal #2 : D:\HPCHEM\5\20NOV96\C995-75.D\CONFIRM.D
Acq On : 21 Nov 96 11:07 AM Operator: JS
Sample : VHB / PI6 Inst : ECD1
Misc : 15.5G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 11:43 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-76.D Vial: 35
Signal #2 : D:\HPCHEM\5\20NOV96\C995-76.D\CONFIRM.D
Acq On : 21 Nov 96 01:41 PM Operator: JS
Sample : VHB / PJ4 Inst : ECD1
Misc : 15.2G/10ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9876	7963	39.617	40.779
				Recovery	=	99.04%	101.95%
2) S	Decachlorobiphenyl	22.15	30.38	8417	3628	41.371m	37.350
				Recovery	=	103.43%	93.38%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	108417	81552	1003.307	842.566
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	15011	10641	80.272	62.950
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	9165	4707	385.464	248.687 #
15) L4	Aroclor-1242 {2}	6.75	10.31	25505	22775	602.300	613.728
16) L4	Aroclor-1242 {3}	8.17	11.37	108417	12132	1680.074	762.216 #
17) L4	Aroclor-1242 (4)	8.55	11.66	17547	81552	650.598	1614.486 #
18) L4	Aroclor-1242 (5)	8.87	12.23	35981	15640	1620.380	703.372 #
Total	Aroclor-1242			196614	136806	4938.815	3942.489
Average	Aroclor-1242					987.763	788.498
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

424

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-76.D Vial: 35
Signal #2 : D:\HPCHEM\5\20NOV96\C995-76.D\CONFIRM.D
Acq On : 21 Nov 96 01:41 PM Operator: JS
Sample : VHB / PJ4 (25) Inst : ECD1
Misc : 15.2G/~~10ML~~ 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	28520	25201	822.446	806.527
23) L6 Aroclor-1254 {2}	13.36	17.55	55716	51928	774.167	752.122
24) L6 Aroclor-1254 {3}	13.85	17.98	26780	33758	797.084	774.789
25) L6 Aroclor-1254 (4)	14.19	18.50	36133	21447	772.380	764.524
26) L6 Aroclor-1254 (5)	15.74	20.04	41722	34221	773.968	780.561
Total Aroclor-1254			188871	166554	3940.045	3878.523
Average Aroclor-1254					788.009	775.705
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254

$$= \frac{3878 \times 25}{15.2 \times 0.96} = 664$$

MRL = 170/340 425

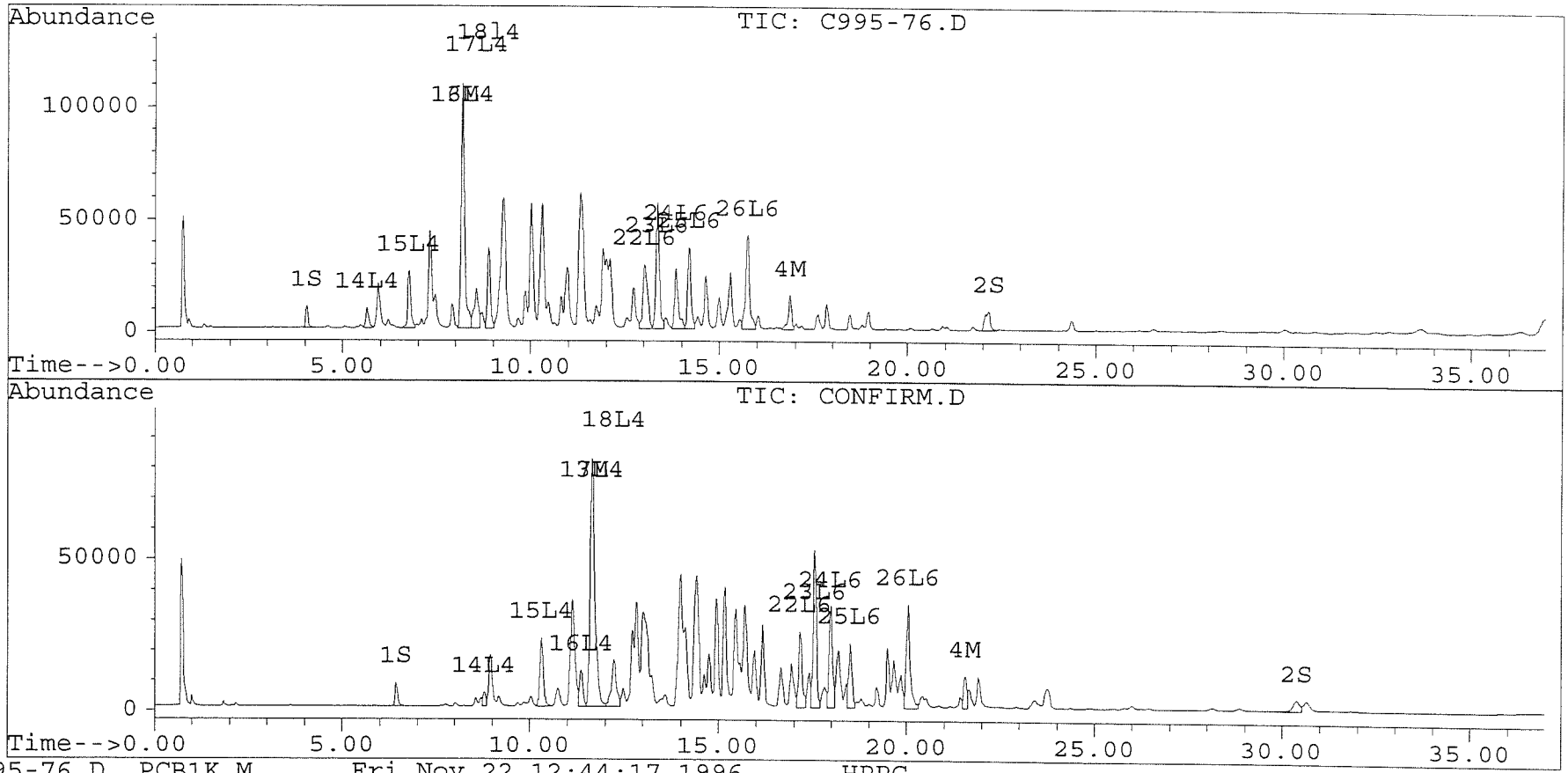
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-76.D Vial: 35
Signal #2 : D:\HPCHEM\5\20NOV96\C995-76.D\CONFIRM.D
Acq On : 21 Nov 96 01:41 PM Operator: JS
Sample : VHB / PJ4 Inst : ECD1
Misc : 15.2G/10ML 96% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0029.D Vial: 10
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0029.D\CONFIRM.D
Acq On : 24 Nov 96 08:52 PM Operator: JS
Sample : 8080,C995-76,2X,PJ4 Inst : SB2
Misc : VHB/15.2G/25ML/96% SOLID Multiplr: 1.00
Quant Time: Nov 25 7:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4356	3656	17.473	18.721
				Recovery	=	43.68%	46.80%
2) S	Decachlorobiphenyl	22.14	30.37	1977	1791	9.718	18.438 #
				Recovery	=	24.30%	46.10%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	57771	43828	534.620	452.816
4) M	2,2',3,3',4,4'-Hexa	16.86	21.55	7385	5133	39.492	30.364
5) L1	Aroclor-1016	6.75	8.79	14068	2447	439.083	192.203 #
6) L1	Aroclor-1016 {2}	8.87	10.31	18467	12676	1085.756	449.765 #
7) L1	Aroclor-1016 {3}	9.26	12.23	32825	8291	1272.168	489.097 #
Total	Aroclor-1016			65360	23413	2797.006	1131.065
Average	Aroclor-1016					932.335	377.022
8) L2	Aroclor-1221	5.05	8.02	303	515	43.209	84.157 #
9) L2	Aroclor-1221 {2}	5.47	8.56	618	1423	106.000	291.672 #
10) L2	Aroclor-1221 {3}	5.64	8.79	4601	2447	227.689	159.379 #
Total	Aroclor-1221			5522	4384	376.898	535.208
Average	Aroclor-1221					125.633	178.403
11) L3	Aroclor-1232	5.64	8.79	4601	2447	252.224	170.743 #
12) L3	Aroclor-1232 {2}	6.75	10.31	14068	12676	1030.794	1055.095
13) L3	Aroclor-1232 {3}	8.55	12.23	9250	8291	1117.428	1195.664
Total	Aroclor-1232			27918	23413	2400.445	2421.502
Average	Aroclor-1232					800.148	807.167
14) L4	Aroclor-1242	5.64	8.79	4601	2447	193.490	129.263 #
15) L4	Aroclor-1242 {2}	6.75	10.31	14068	12676	332.205	341.580
16) L4	Aroclor-1242 {3}	8.17	11.37	57771	6431	895.241	404.029 #
17) L4	Aroclor-1242 (4)	8.55	11.66	9250	43828	342.961	867.665 #
18) L4	Aroclor-1242 (5)	8.87	12.23	18467	8291	831.664	372.868 #
Total	Aroclor-1242			104156	73672	2595.561	2115.406
Average	Aroclor-1242					519.112	423.081
19) L5	Aroclor-1248	9.26	14.95	32825	18752	1164.750	935.220
20) L5	Aroclor-1248 {2}	10.01	15.16	30551	20525	1300.318	994.865

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0029.D PCB1KE.M Mon Nov 25 07:50:27 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0029.D Vial: 10
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0029.D\CONFIRM.D
Acq On : 24 Nov 96 08:52 PM Operator: JS
Sample : 8080,C995-76,2X,PJ4 Inst : SB2
Misc : VHB/15.2G/25ML/96% SOLID Multiplr: 1.00
Quant Time: Nov 25 7:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	32081	13187	1053.934	852.179
Total	Aroclor-1248			95457	52465	3519.002	2782.263
Average	Aroclor-1248					1173.001	927.421
22) L6	Aroclor-1254	13.01	17.16	14444	12664	416.528	405.306
23) L6	Aroclor-1254 {2}	13.35	17.55	29463	27701	409.380	401.221
24) L6	Aroclor-1254 {3}	13.84	17.98	14155	17068	421.320	391.742
25) L6	Aroclor-1254 (4)	14.19	18.50	18204	11209	389.120	399.567
26) L6	Aroclor-1254 (5)	15.74	20.03	21412	17117	397.202	390.439
Total	Aroclor-1254			97677	85760	2033.550	1988.276
Average	Aroclor-1254					406.710	397.655
27) L7	Aroclor-1260	13.84	18.18	14155	10331	409.097	318.002
28) L7	Aroclor-1260 {2}	14.63	18.50	12334	11209	310.839	305.030
29) L7	Aroclor-1260 {3}	17.83	21.91	5335	5096	96.587	94.112
Total	Aroclor-1260			31825	26636	816.523	717.144
Average	Aroclor-1260					272.174	239.048
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.12	0	453	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$$\frac{1727 \times \frac{5}{2} \times 2 \times 25}{15.2 \times 0.96} = 1479$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0030.D Vial: 11
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0030.D\CONFIRM.D
Acq On : 24 Nov 96 09:33 PM Operator: JS
Sample : 8080,C995-77,5X,PJ5 Inst : SB2
Misc : VHB/15.5G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.03	6.43	1774	1578	7.115m	8.080
				Recovery	=	17.79%	20.20%
2) S	Decachlorobiphenyl	22.15	30.37	1785	870	8.774m	8.960
				Recovery	=	21.94%	22.40%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	11.65	0	57902	N.D.	598.219 #
4) M	2,2',3,3',4,4'-Hexa	0.00	21.55	0	5380	N.D.	31.828 #
5) L1	Aroclor-1016	0.00	8.78	0	2380	N.D.	186.933 #
6) L1	Aroclor-1016 {2}	0.00	10.31	0	16106	N.D.	571.494 #
7) L1	Aroclor-1016 {3}	0.00	12.23	0	10517	N.D.	620.423 #
Total	Aroclor-1016			0	29003	N.D.	1378.850
Average	Aroclor-1016					0.000	459.617
8) L2	Aroclor-1221	0.00	8.01	0	479	N.D.	78.371 #
9) L2	Aroclor-1221 {2}	0.00	8.55	0	1438	N.D.	294.826 #
10) L2	Aroclor-1221 {3}	0.00	8.78	0	2380	N.D.	155.009 #
Total	Aroclor-1221			0	4297	N.D.	528.206
Average	Aroclor-1221					0.000	176.069
11) L3	Aroclor-1232	0.00	8.78	0	2380	N.D.	166.062 #
12) L3	Aroclor-1232 {2}	0.00	10.31	0	16106	N.D.	1340.656 #
13) L3	Aroclor-1232 {3}	0.00	12.23	0	10517	N.D.	1516.709 #
Total	Aroclor-1232			0	29003	N.D.	3023.427
Average	Aroclor-1232					0.000	1007.809
14) L4	Aroclor-1242	5.63	8.78	5260	2380	221.218m	125.719 #
15) L4	Aroclor-1242 {2}	6.74	10.31	17932	16106	423.460m	434.029
16) L4	Aroclor-1242 {3}	8.16	11.36	76380	9400	1183.619m	590.559 #
17) L4	Aroclor-1242 (4)	8.54	11.65	12060	57902	447.164m	1146.279 #
18) L4	Aroclor-1242 (5)	8.87	12.23	26412	10517	1189.462m	472.986 #
Total	Aroclor-1242			138044	96304	3464.923	2769.573
Average	Aroclor-1242					692.985	553.915
19) L5	Aroclor-1248	0.00	14.95	0	23850	N.D.	1189.484 #
20) L5	Aroclor-1248 {2}	0.00	15.16	0	26352	N.D.	1277.308 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0030.D PCB1KE.M Mon Nov 25 18:53:15 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0030.D Vial: 11
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0030.D\CONFIRM.D
Acq On : 24 Nov 96 09:33 PM Operator: JS
Sample : 8080,C995-77,5X,PJ5 Inst : SB2
Misc : VHB/15.5G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	0.00	16.17	0	17031	N.D.	1100.596 #
Total Aroclor-1248			0	67234	N.D.	3567.388
Average Aroclor-1248					0.000	1189.129
22) L6 Aroclor-1254	13.01	17.16	17976	16195	518.387m	518.312
23) L6 Aroclor-1254 (2)	13.35	17.55	34887	32960	484.752m	477.388
24) L6 Aroclor-1254 (3)	13.84	17.98	16148	20324	480.627m	466.461
25) L6 Aroclor-1254 (4)	14.19	18.50	21385	12118	457.124m	431.981
26) L6 Aroclor-1254 (5)	15.74	20.03	23100	18956	428.519m	432.384
Total Aroclor-1254			113496	100553	2369.408	2326.526
Average Aroclor-1254					473.882	465.305
27) L7 Aroclor-1260	0.00	18.18	0	11579	N.D.	356.418 #
28) L7 Aroclor-1260 (2)	0.00	18.50	0	12118	N.D.	329.775 #
29) L7 Aroclor-1260 (3)	0.00	21.91	0	4434	N.D.	81.896 #
Total Aroclor-1260			0	28132	N.D.	768.089
Average Aroclor-1260					0.000	256.030
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	28.12	0	382	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1247 - the 2 pts

$$\frac{2373 \times \frac{5}{2} \times 5 \times 25}{15.5 \times 0.93} = 5144$$

AR1254

$$\frac{2326 \times 5 \times 25}{15.5 \times 0.93} =$$

20170

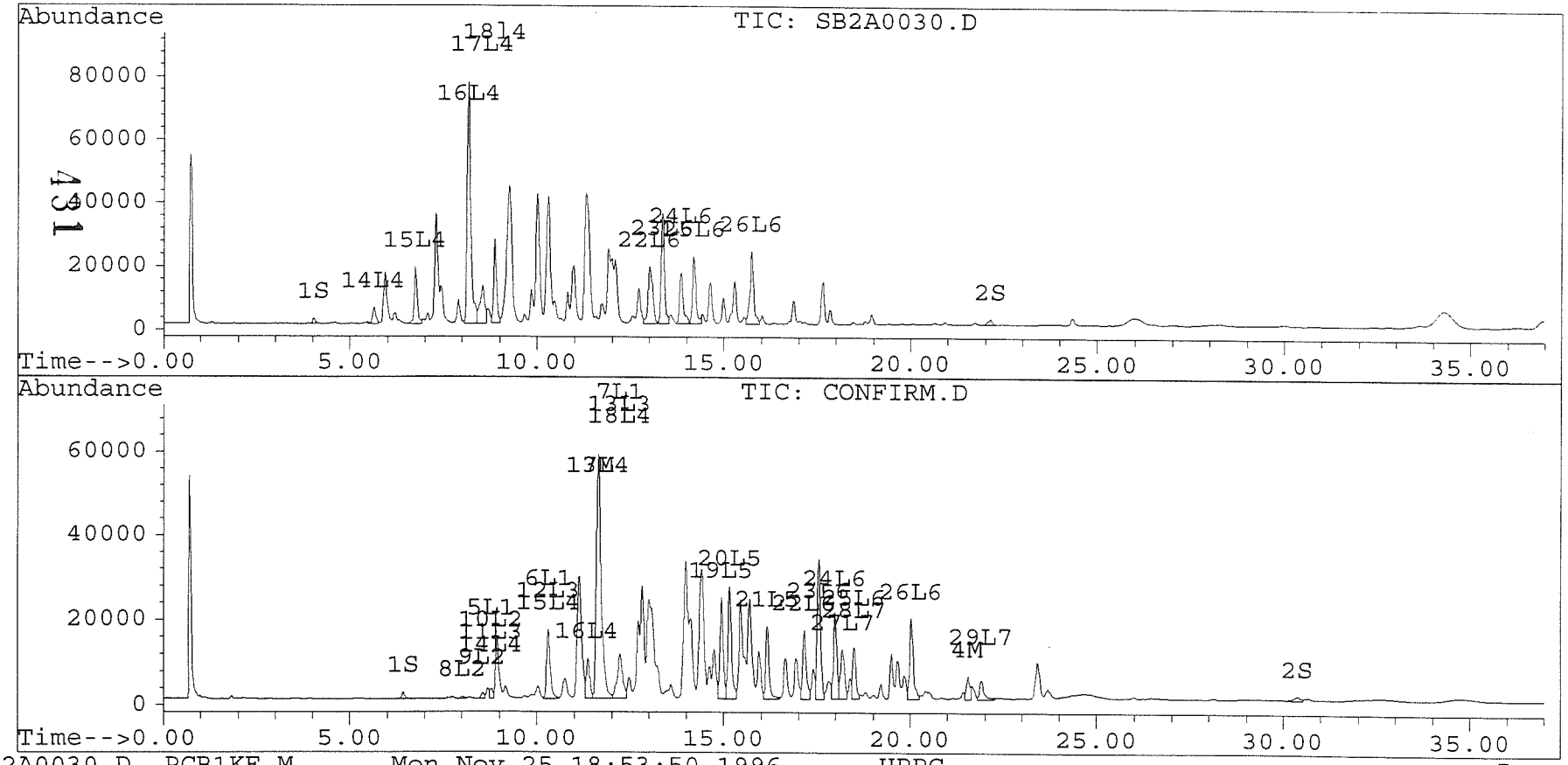
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0030.D PCB1KE.M Mon Nov 25 18:53:20 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0030.D Vial: 11
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0030.D\CONFIRM.D
Acq On : 24 Nov 96 09:33 PM Operator: JS
Sample : 8080,C995-77,5X,PJ5 Inst : SB2
Misc : VHB/15.5G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:52 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-77.D Vial: 36
Signal #2 : D:\HPCHEM\5\20NOV96\C995-77.D\CONFIRM.D
Acq On : 21 Nov 96 02:21 PM Operator: JS
Sample : VHB / PJ5 Inst : ECD1
Misc : 15.5G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

5X dil.1

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9186	7701	36.850	39.438
				Recovery	=	92.13%	98.60%
2) S	Decachlorobiphenyl	22.15	30.38	7873	3382	38.697m	34.821m
				Recovery	=	96.74%	87.05%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.65	289811	217892	2681.967	2251.188
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	33702	25040	180.226	148.133
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 (2)	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	21477	9189	903.271	485.476 #
15) L4	Aroclor-1242 (2)	6.75	10.31	62250	55538	1470.014	1496.612
16) L4	Aroclor-1242 (3)	8.16	11.37	289811	35298	4491.051	2217.693
17) L4	Aroclor-1242 (4)	8.55	11.65	45752	217892	1696.404	4313.622
18) L4	Aroclor-1242 (5)	8.87	12.23	103076	40179	4642.006	1806.982
Total	Aroclor-1242			522366	358097	13202.746	10320.383
Average	Aroclor-1242					2640.549	2064.077
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-77.D PCB1K.M Fri Nov 22 12:44:37 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-77.D Vial: 36
Signal #2 : D:\HPCHEM\5\20NOV96\C995-77.D\CONFIRM.D
Acq On : 21 Nov 96 02:21 PM Operator: JS
Sample : VHB / PJ5 Inst : ECD1
Misc : 15.5G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.01	17.17	71818	64690	2071.068	2070.349
23) L6 Aroclor-1254 {2}	13.35	17.55	131825	123366	1831.694	1786.822
24) L6 Aroclor-1254 {3}	13.85	17.98	61853	82692	1840.993	1897.912
25) L6 Aroclor-1254 (4)	14.19	18.50	87775	46530	1876.274	1658.663
26) L6 Aroclor-1254 (5)	15.74	20.04	92092	76510	1708.366	1745.161
Total Aroclor-1254			445363	393788	9328.395	9158.908
Average Aroclor-1254					1865.679	1831.782
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

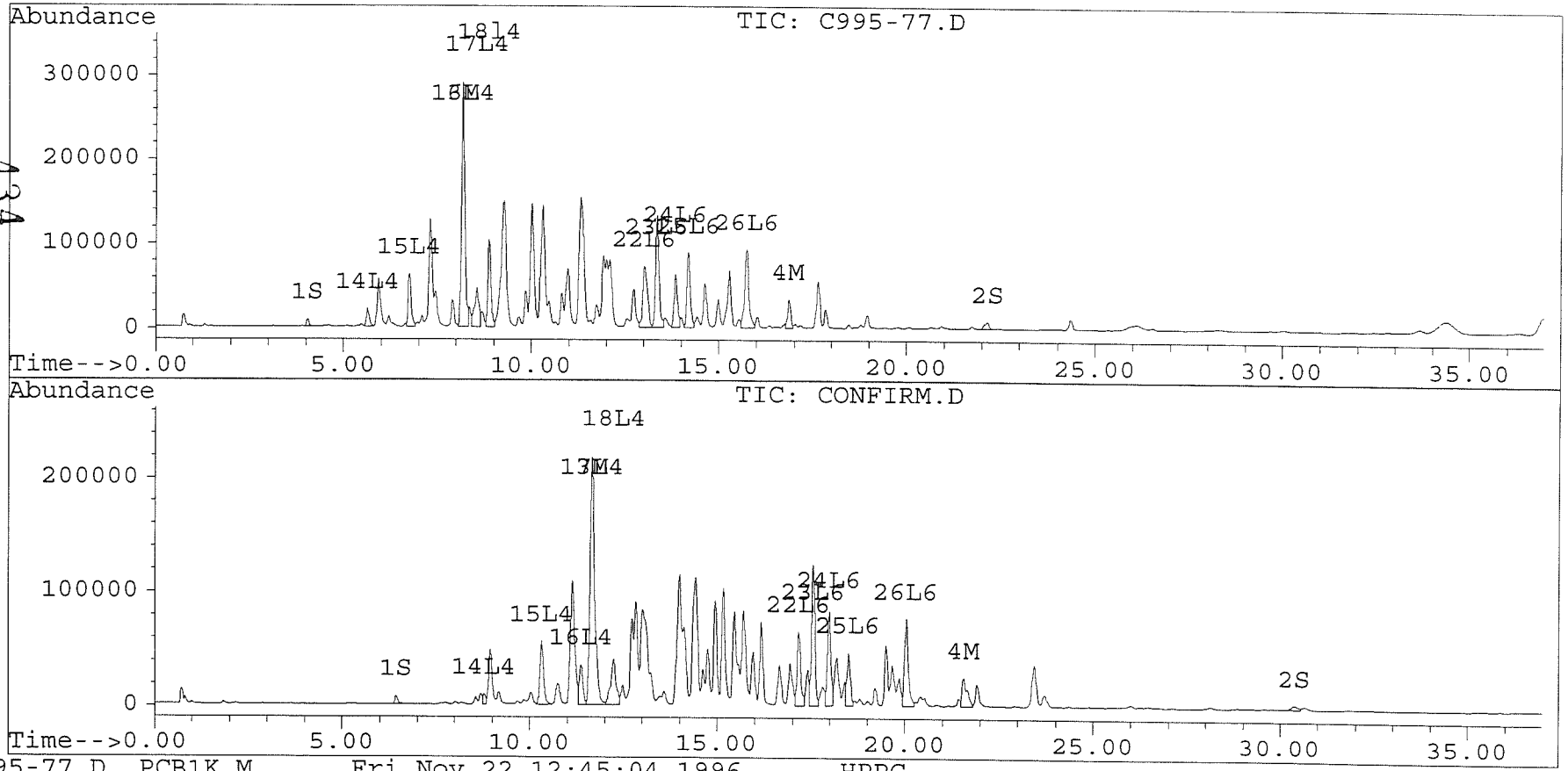
MRL = 170/35

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-77.D Vial: 36
Signal #2 : D:\HPCHEM\5\20NOV96\C995-77.D\CONFIRM.D
Acq On : 21 Nov 96 02:21 PM Operator: JS
Sample : VHB / PJ5 Inst : ECD1
Misc : 15.5G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-78.D Vial: 37
Signal #2 : D:\HPCHEM\5\20NOV96\C995-78.D\CONFIRM.D
Acq On : 21 Nov 96 03:02 PM Operator: JS
Sample : VHB / PJ6 Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	7141	5813	28.646	29.768	
				Recovery	=	71.62%	74.42%	
2) S	Decachlorobiphenyl	22.15	30.38	7657	3272	37.637m	33.684m	
				Recovery	=	94.09%	84.21%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	48427	35751	448.155	369.365	
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	10117	7457	54.100	44.112	
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.64	8.79	3131	1503	131.691	79.407	#
15) L4	Aroclor-1242 {2}	6.75	10.32	9598	8877	226.643	239.218	
16) L4	Aroclor-1242 {3}	8.17	11.37	48427	4976	750.452	312.618	#
17) L4	Aroclor-1242 (4)	8.55	11.66	6982	35751	258.888	707.759	#
18) L4	Aroclor-1242 (5)	8.88	12.23	14628	6664	658.773	299.697	#
Total	Aroclor-1242			82766	57771	2026.447	1638.699	
Average	Aroclor-1242					405.289	327.740	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-78.D Vial: 37
Signal #2 : D:\HPCHEM\5\20NOV96\C995-78.D\CONFIRM.D
Acq On : 21 Nov 96 03:02 PM Operator: JS
Sample : VHB / PJ6 Inst : ECD1
Misc : 15.2G/25ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	16356	15163	471.667	485.263
23) L6 Aroclor-1254 {2}	13.36	17.55	34756	33627	482.926	487.046
24) L6 Aroclor-1254 {3}	13.85	17.99	17059	21963	507.740	504.095
25) L6 Aroclor-1254 (4)	14.19	18.50	22879	14589	489.056	520.052
26) L6 Aroclor-1254 (5)	15.74	20.04	28057	24199	520.466	551.971
Total Aroclor-1254			119106	109541	2471.856	2548.426
Average Aroclor-1254					494.371	509.685
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2 pts

$$= \frac{1409 \times \frac{5}{2} \times 25}{15.2 \times 0.95} = 6098$$

AR 1254 =

$$\frac{2472 \times 25}{15.2 \times 0.95} = 4280$$

MRL = 170 | 350 | 436

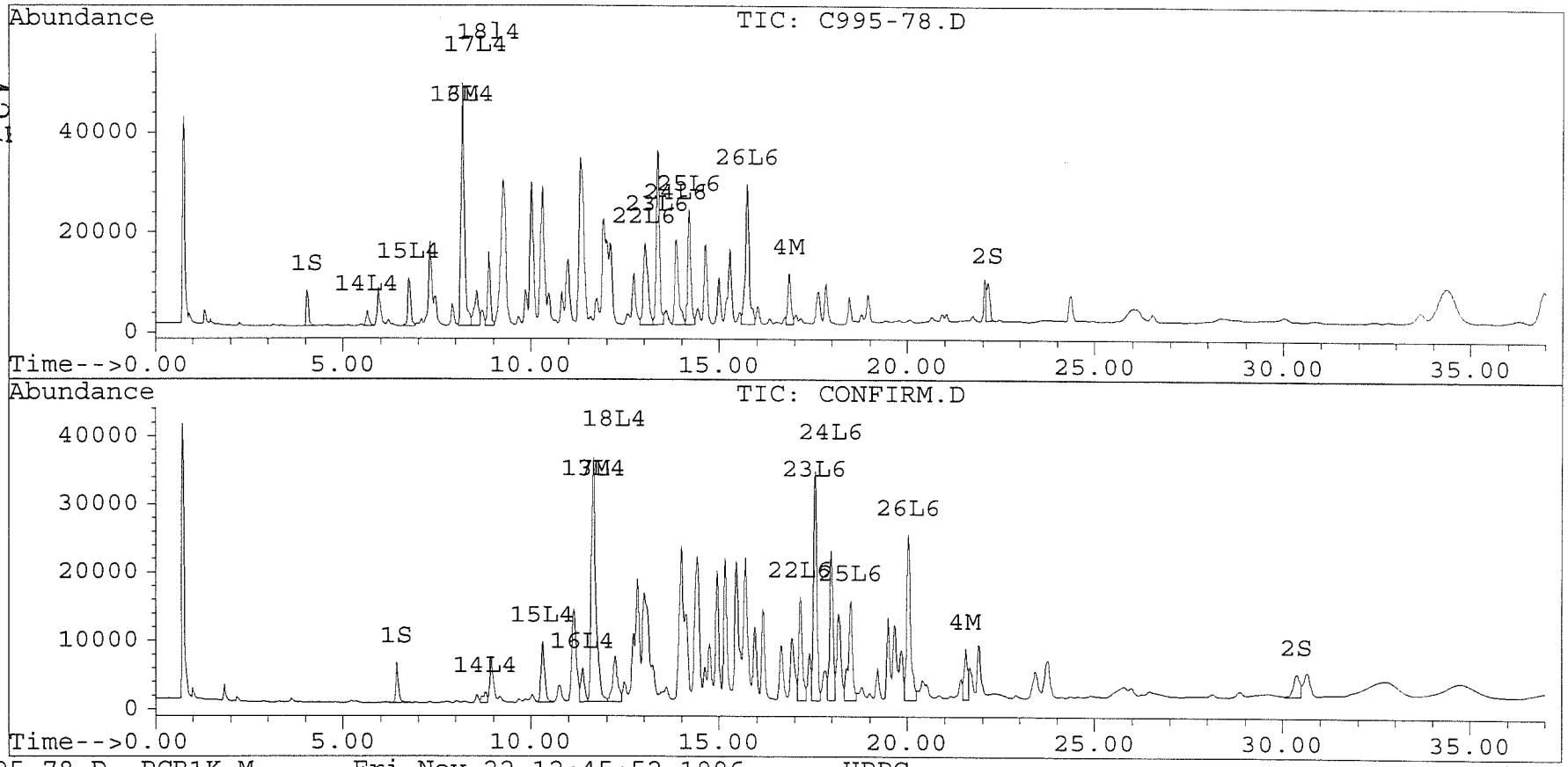
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-78.D Vial: 37
Signal #2 : D:\HPCHEM\5\20NOV96\C995-78.D\CONFIRM.D
Acq On : 21 Nov 96 03:02 PM Operator: JS
Sample : VHB / PJ6 Inst : ECD1
Misc : 15.2G/10ML 95% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-79.D Vial: 38
Signal #2 : D:\HPCHEM\5\20NOV96\C995-79.D\CONFIRM.D
Acq On : 21 Nov 96 03:43 PM Operator: JS
Sample : VHB / PK4 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:35 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9687	7781	38.860	39.849
				Recovery	=	97.15%	99.62%
2) S	Decachlorobiphenyl	22.16	30.38	7249	3526	35.627m	36.302
				Recovery	=	89.07%	90.76%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	115871	89043	1072.293	919.958
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	12360	9030	66.094	53.418
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 (2)	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	6891	4038	289.832	213.329 #
15) L4	Aroclor-1242 (2)	6.75	10.31	24350	21831	575.021	588.288
16) L4	Aroclor-1242 (3)	8.17	11.37	115871	13081	1795.594	821.833 #
17) L4	Aroclor-1242 (4)	8.55	11.66	19015	89043	705.032	1762.781 #
18) L4	Aroclor-1242 (5)	8.87	12.24	41307	16052	1860.258	721.883 #
Total	Aroclor-1242			207435	144044	5225.737	4108.114
Average	Aroclor-1242					1045.147	821.623
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-79.D Vial: 38
Signal #2 : D:\HPCHEM\5\20NOV96\C995-79.D\CONFIRM.D
Acq On : 21 Nov 96 03:43 PM Operator: JS
Sample : VHB / PK4 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:35 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	25112	22128	724.180	708.194
23) L6 Aroclor-1254 {2}	13.35	17.55	48608	45720	675.408	662.207
24) L6 Aroclor-1254 {3}	13.85	17.99	23740	30382	706.587	697.324
25) L6 Aroclor-1254 (4)	14.19	18.50	32684	17943	698.640	639.627
26) L6 Aroclor-1254 (5)	15.74	20.04	35235	28458	653.628	649.119
Total Aroclor-1254			165379	144632	3458.443	~~3356.472~~
Average Aroclor-1254					691.689	671.294
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2 pts

$= \frac{3655 \times \frac{5}{1} \times 25}{15.0 \times 0.93} =$ DL

AR1254 =

$\frac{3356 \times 25}{15.0 \times 0.93} = 6014$

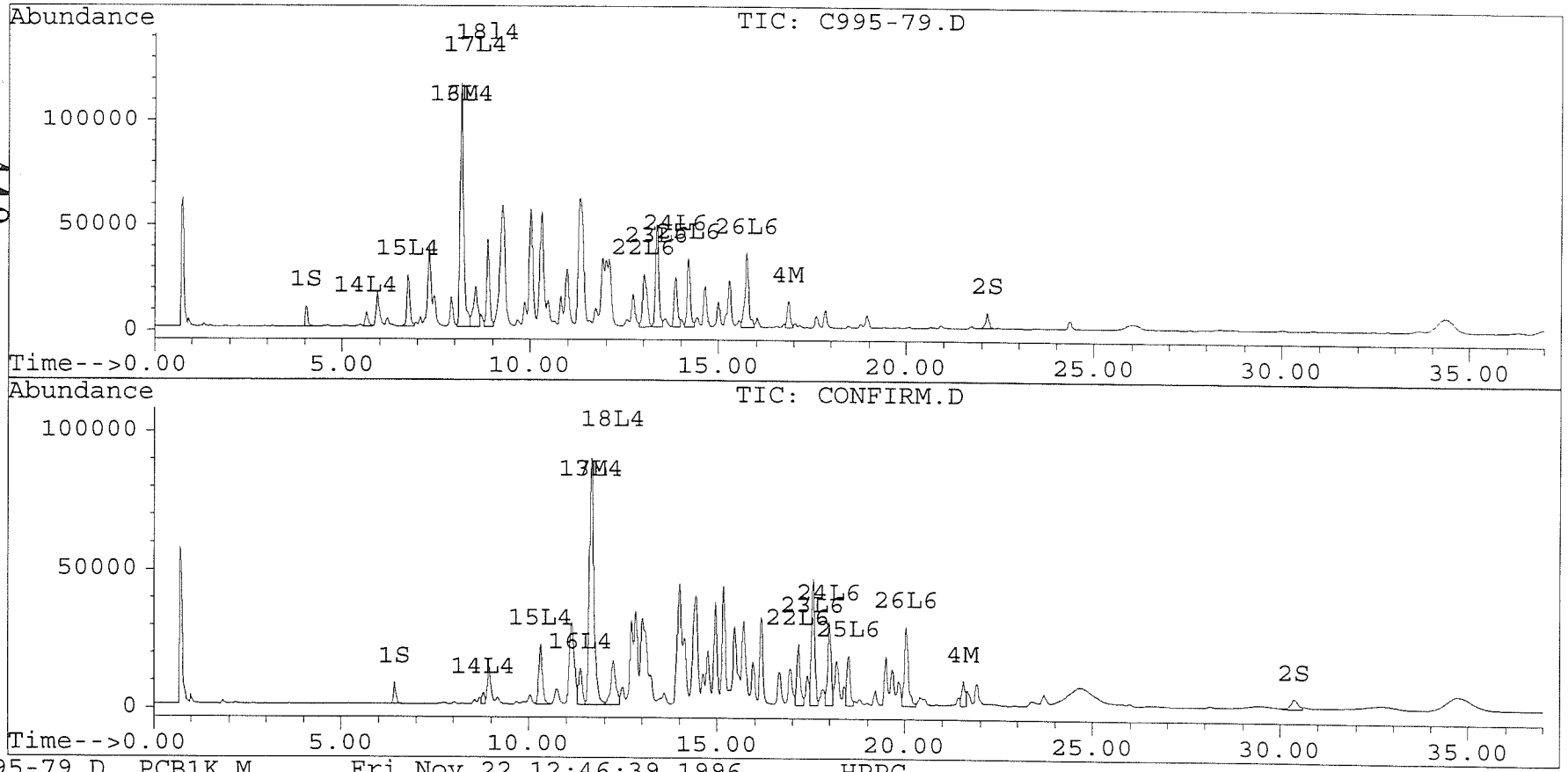
MRL =

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-79.D Vial: 38
Signal #2 : D:\HPCHEM\5\20NOV96\C995-79.D\CONFIRM.D
Acq On : 21 Nov 96 03:43 PM Operator: JS
Sample : VHB / PK4 Inst : ECD1
Misc : 15.0G/10ML 93% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:35 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



440

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0031.D Vial: 12
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0031.D\CONFIRM.D
Acq On : 24 Nov 96 10:14 PM Operator: JS
Sample : 8080,C995-79,2X,PK4 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	4018	3352	16.118m	17.166	
				Recovery	=	40.29%	42.92%	
2) S	Decachlorobiphenyl	22.15	30.37	3377	1669	16.598m	17.188	
				Recovery	=	41.50%	42.97%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	0.00	11.65	0	45464	N.D.	469.716	#
4) M	2,2',3,3',4,4'-Hexa	0.00	21.56	0	4187	N.D.	24.769	#
5) L1	Aroclor-1016	0.00	8.79	0	1999	N.D.	157.020	#
6) L1	Aroclor-1016 {2}	0.00	10.31	0	11585	N.D.	411.073	#
7) L1	Aroclor-1016 {3}	0.00	12.24	0	7990	N.D.	471.331	#
Total	Aroclor-1016			0	21574	N.D.	1039.423	
Average	Aroclor-1016					0.000	346.474	
8) L2	Aroclor-1221	0.00	8.02	0	334	N.D.	54.681	#
9) L2	Aroclor-1221 {2}	0.00	8.56	0	759	N.D.	155.637	#
10) L2	Aroclor-1221 {3}	0.00	8.79	0	1999	N.D.	130.204	#
Total	Aroclor-1221			0	3092	N.D.	340.522	
Average	Aroclor-1221					0.000	113.507	
11) L3	Aroclor-1232	0.00	8.79	0	1999	N.D.	139.488	#
12) L3	Aroclor-1232 {2}	0.00	10.31	0	11585	N.D.	964.328	#
13) L3	Aroclor-1232 {3}	0.00	12.24	0	7990	N.D.	1152.232	#
Total	Aroclor-1232			0	21574	N.D.	2256.048	
Average	Aroclor-1232					0.000	752.016	
14) L4	Aroclor-1242	5.64	8.79	3363	1999	141.437m	105.602	#
15) L4	Aroclor-1242 {2}	6.75	10.31	12751	11585	301.112m	312.195	
16) L4	Aroclor-1242 {3}	8.16	11.37	59253	6606	918.212m	415.046	#
17) L4	Aroclor-1242 (4)	8.55	11.65	9470	45464	351.131m	900.049	#
18) L4	Aroclor-1242 (5)	8.87	12.24	19965	7990	899.122m	359.324	#
Total	Aroclor-1242			104802	73644	2611.013	2092.216	
Average	Aroclor-1242					522.203	418.443	
19) L5	Aroclor-1248	0.00	14.95	0	18675	N.D.	931.393	#
20) L5	Aroclor-1248 {2}	0.00	15.16	0	21342	N.D.	1034.444	#

441

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0031.D Vial: 12
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0031.D\CONFIRM.D
Acq On : 24 Nov 96 10:14 PM Operator: JS
Sample : 8080,C995-79,2X,PK4 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	14682	N.D.	948.755 #
Total Aroclor-1248			0	54699	N.D.	2914.592
Average Aroclor-1248					0.000	971.531
22) L6 Aroclor-1254	13.01	17.16	12022	10750	346.687m	344.042
23) L6 Aroclor-1254 {2}	13.35	17.55	24609	23073	341.940m	334.191
24) L6 Aroclor-1254 {3}	13.84	17.98	11958	14548	355.916m	333.889
25) L6 Aroclor-1254 (4)	14.19	18.50	15540	9126	332.182m	325.299
26) L6 Aroclor-1254 (5)	15.74	20.03	17302	14020	320.963m	319.790
Total Aroclor-1254			81431	71516	1697.688	1657.212
Average Aroclor-1254					339.538	331.442
27) L7 Aroclor-1260	0.00	18.18	0	8377	N.D.	257.864 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	9126	N.D.	248.334 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	3847	N.D.	71.041 #
Total Aroclor-1260			0	21349	N.D.	577.240
Average Aroclor-1260					0.000	192.413
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	388	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - dup 2pks

$$\frac{1817 \times \frac{5}{2} \times 2 \times 25}{15.0 \times 0.93} = 16280$$

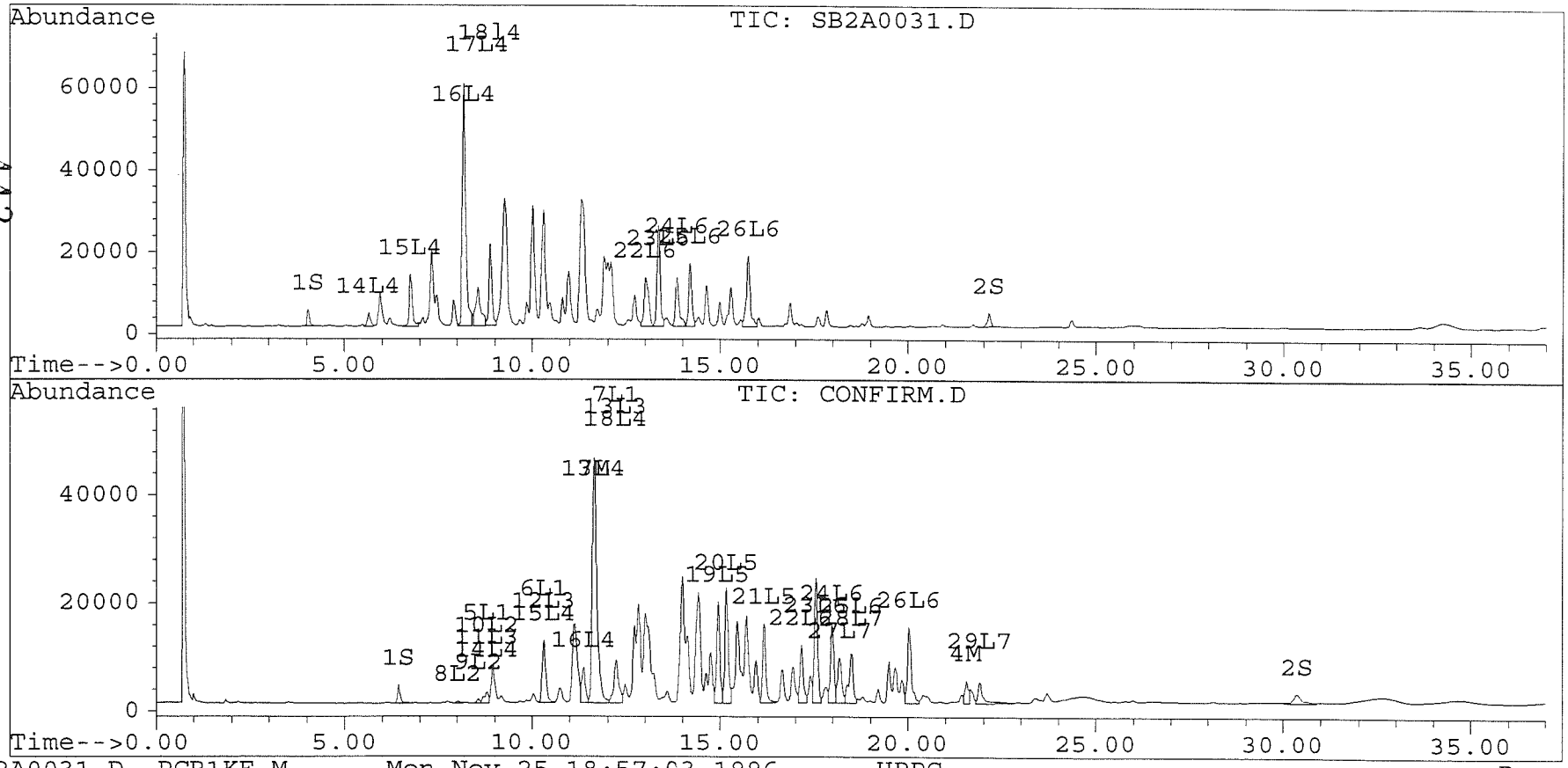
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0031.D Vial: 12
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0031.D\CONFIRM.D
Acq On : 24 Nov 96 10:14 PM Operator: JS
Sample : 8080,C995-79,2X,PK4 Inst : SB2
Misc : VHB/15.0G/25ML/93% SOLID Multiplr: 1.00
Quant Time: Nov 25 18:55 1996

Method : C:\HPCHEM\5\METHODS\PCB1KE.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:04:52 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-B1.D Vial: 15
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-B1.D\CONFIRM.D
Acq On : 20 Nov 96 08:29 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9736	7794	39.058	39.916
				Recovery	=	97.65%	99.79%
2) S	Decachlorobiphenyl	22.16	30.38	7433	3294	36.535	33.918
				Recovery	=	91.34%	84.80%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1118-B1.D PCB1K.M Fri Nov 22 10:41:58 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-B1.D Vial: 15
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-B1.D\CONFIRM.D
Acq On : 20 Nov 96 08:29 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

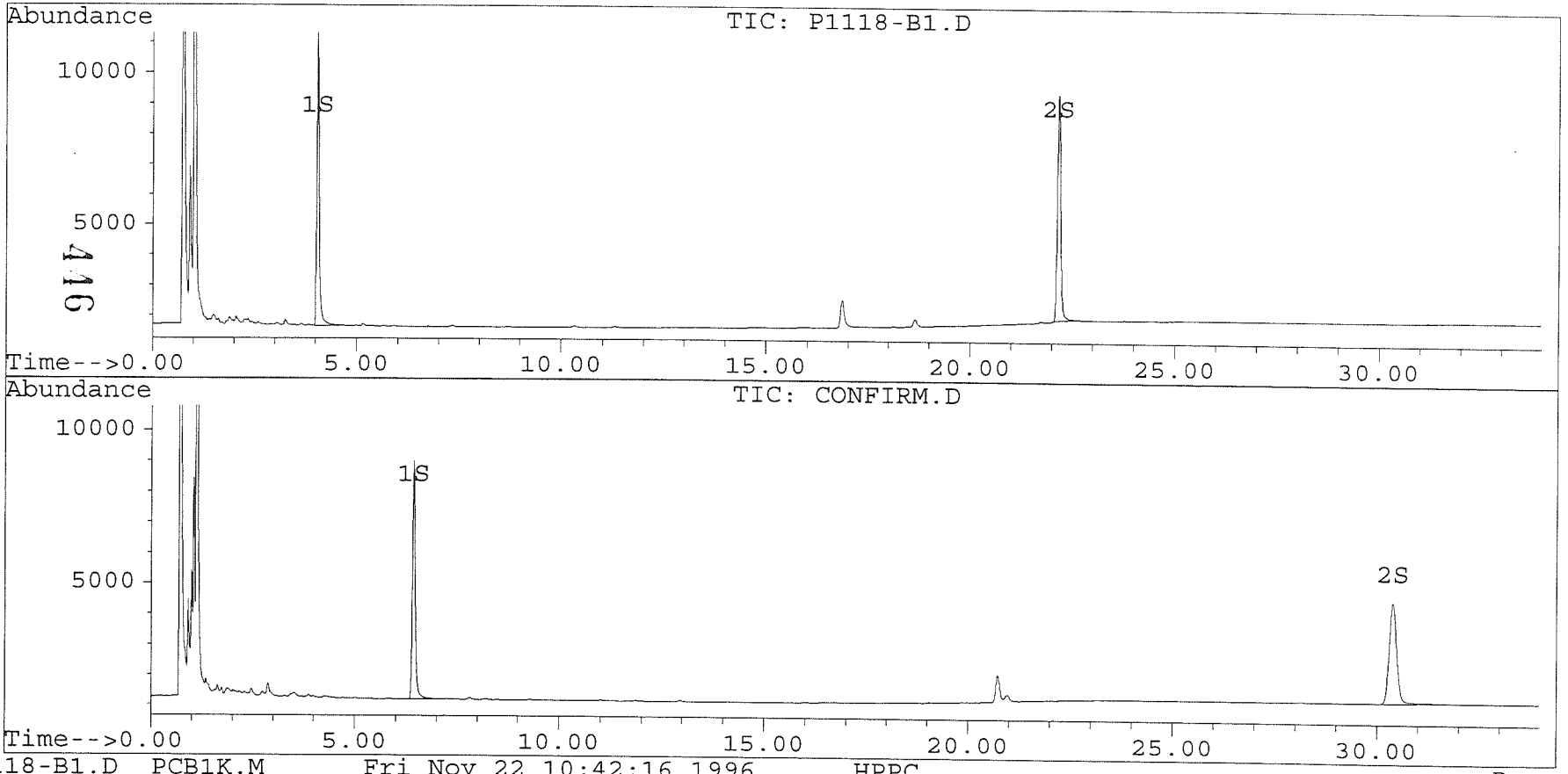
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-B1.D Vial: 15
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-B1.D\CONFIRM.D
Acq On : 20 Nov 96 08:29 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:34 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-L1.D Vial: 16
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-L1.D\CONFIRM.D
Acq On : 20 Nov 96 09:06 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10138	8166	40.667	41.818
				Recovery	=	101.67%	104.55%
2) S	Decachlorobiphenyl	22.16	30.38	7690	3423	37.800m	35.242m
				Recovery	=	94.50%	88.10%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.67	89693	83435	830.036m	862.026m
4) M	2,2',3,3',4,4'-Hexa	16.86	21.55	161539	147787	863.843m	874.295m
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1118-L1.D PCB1K.M Fri Nov 22 10:42:35 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-L1.D Vial: 16
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-L1.D\CONFIRM.D
Acq On : 20 Nov 96 09:06 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

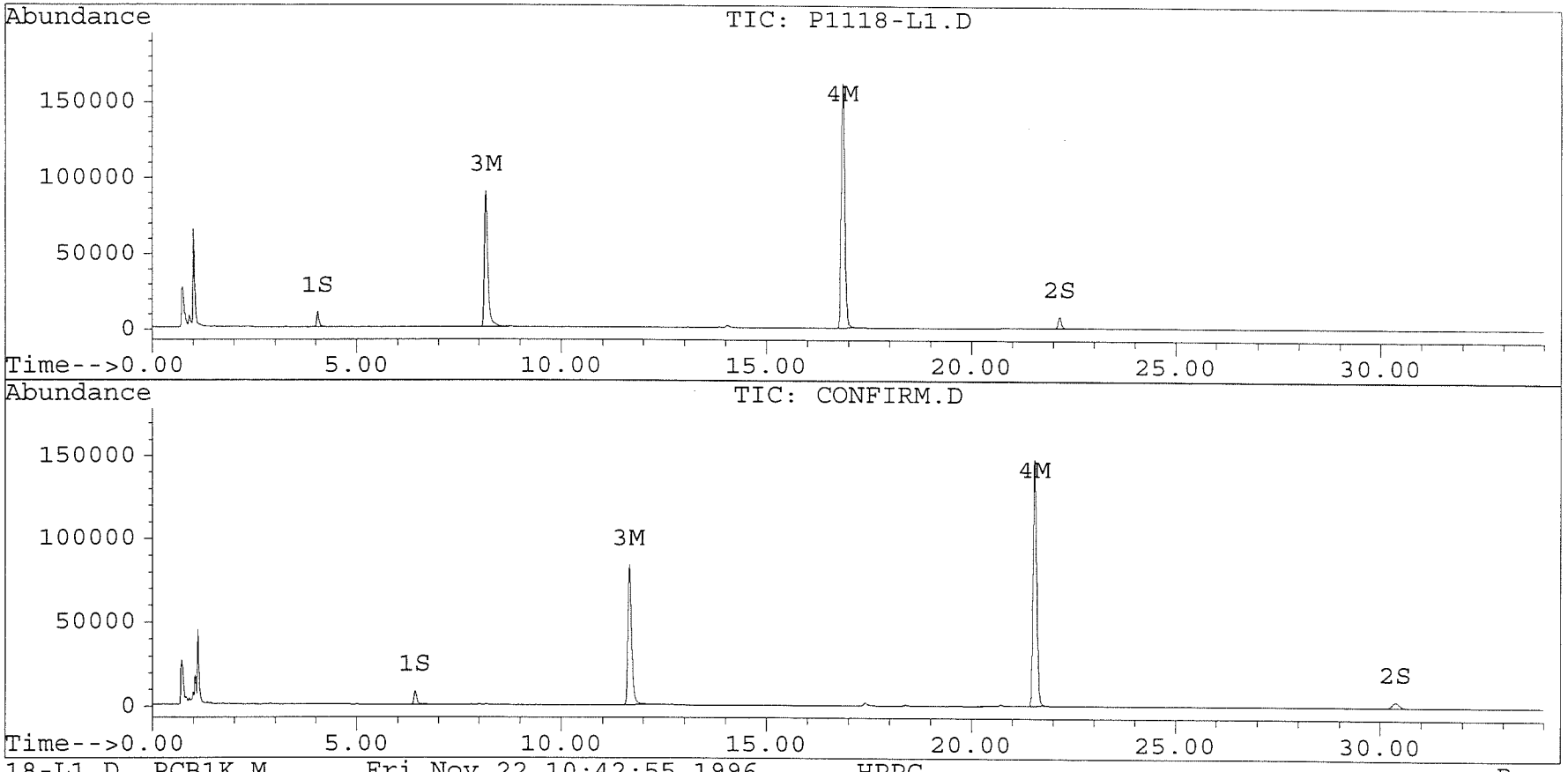
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1118-L1.D Vial: 16
Signal #2 : D:\HPCHEM\5\20NOV96\P1118-L1.D\CONFIRM.D
Acq On : 20 Nov 96 09:06 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 10:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



QC Batch: P1119-B1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-80.D Vial: 41
Signal #2 : D:\HPCHEM\5\20NOV96\C995-80.D\CONFIRM.D
Acq On : 21 Nov 96 05:38 PM Operator: JS
Sample : VHB / PK5 (25) Inst : ECD1
Misc : 15.3G/~~10ML~~ 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:38 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8789	7093	35.256	36.324
				Recovery	=	88.14%	90.81%
2) S	Decachlorobiphenyl	22.16	30.38	7724	3874	37.963	39.884m
				Recovery	=	94.91%	99.71%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.65	106974	79395	989.954	820.287
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	15098	11382	80.739	67.335
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	10206	7026	429.232	371.163
15) L4	Aroclor-1242 {2}	6.75	10.31	44883	39668	1059.906	1068.972
16) L4	Aroclor-1242 {3}	8.16	11.37	106974	19980	1657.713	1255.313
17) L4	Aroclor-1242 (4)	8.55	11.65	26716	79395	990.591	1571.796 #
18) L4	Aroclor-1242 (5)	8.87	12.24	36439	23573	1641.025	1060.153
Total	Aroclor-1242			225218	169643	5778.467	5327.397
Average	Aroclor-1242					1155.693	1065.479
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-80.D Vial: 41
Signal #2 : D:\HPCHEM\5\20NOV96\C995-80.D\CONFIRM.D
Acq On : 21 Nov 96 05:38 PM Operator: JS
Sample : VHB / PKG 21 Inst : ECD1
Misc : 15.3G/10ML 92% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:38 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.01	17.17	26827	24776	773.616	792.948
23) L6	Aroclor-1254 {2}	13.35	17.55	52959	50881	735.866	736.959
24) L6	Aroclor-1254 {3}	13.85	17.99	25148	34606	748.494	794.252
25) L6	Aroclor-1254 (4)	14.19	18.50	36017	21590	769.897	769.618
26) L6	Aroclor-1254 (5)	15.74	20.04	40905	34112	758.809	778.073
Total	Aroclor-1254			181855	165965	3786.682	3871.850
Average	Aroclor-1254					757.336	774.370
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

AR1254 =

$\frac{3787 \times 25}{15.3 \times 0.92} = 6726$

MRL ~ 180/360

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

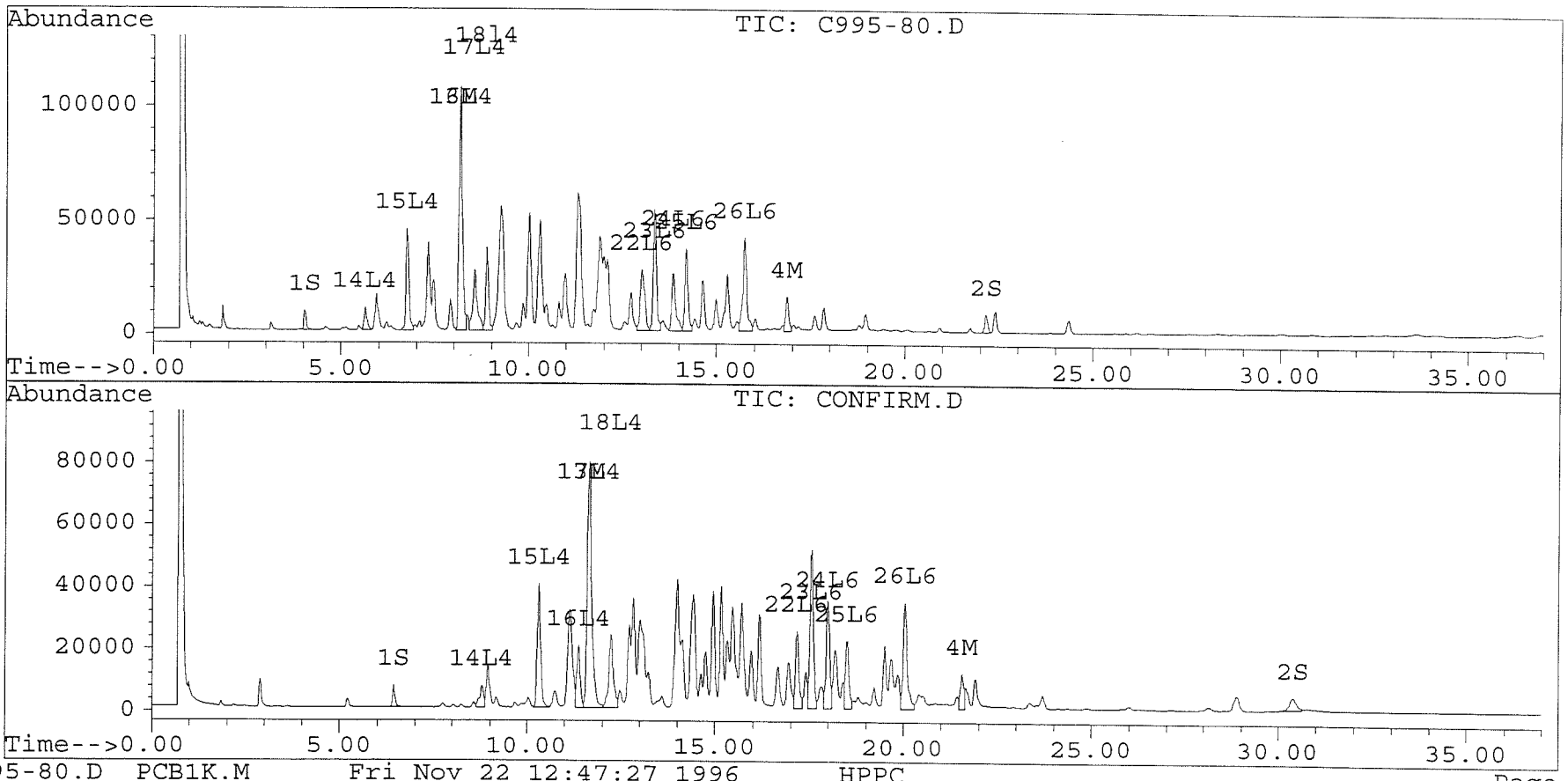
Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-80.D
Signal #2 : D:\HPCHEM\5\20NOV96\C995-80.D\CONFIRM.D
Acq On : 21 Nov 96 05:38 PM
Sample : VHB / PK5
Misc : 15.3G/10ML 92% SOLID 8080 ANALYSIS PCB
Quant Time: Nov 22 12:38 1996

Vial: 41
Operator: JS
Inst : ECD1
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM
Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



453

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0032.D Vial: 13
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0032.D\CONFIRM.D
Acq On : 24 Nov 96 10:54 PM Operator: JS
Sample : 8080,C995-80,2X,PK5 Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 14:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1)	S Tetrachloro-m-xylen	4.04	6.43	3765	3183	15.104	16.298
				Recovery	=	37.76%	40.75%
2)	S Decachlorobiphenyl	22.15	30.37	3407	1756	16.744	18.078
				Recovery	=	41.86%	45.19%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.16	11.65	53989	40597	499.626	419.437
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.55	6864	5105	36.704	30.203
5)	L1 Aroclor-1016	6.74	8.79	24000	3570	749.082	280.394 #
6)	L1 Aroclor-1016 (2)	8.87	10.31	17608	21396	1035.263	759.192 #
7)	L1 Aroclor-1016 (3)	9.26	12.24	29892	12044	1158.470	710.510 #
	Total Aroclor-1016			71500	37010	2942.815	1750.096
	Average Aroclor-1016					980.938	583.365
8)	L2 Aroclor-1221	5.05	8.02	472	442	67.392	72.312
9)	L2 Aroclor-1221 (2)	5.47	8.56	935	917	160.283	188.013
10)	L2 Aroclor-1221 (3)	5.64	8.79	5080	3570	251.428	232.509
	Total Aroclor-1221			6488	4929	479.103	492.834
	Average Aroclor-1221					159.701	164.278
11)	L3 Aroclor-1232	5.64	8.79	5080	3570	278.521	249.088
12)	L3 Aroclor-1232 (2)	6.74	10.31	24000	21396	1758.550	1780.973
13)	L3 Aroclor-1232 (3)	8.55	12.24	13430	12044	1622.465	1736.939
	Total Aroclor-1232			42510	37010	3659.537	3766.999
	Average Aroclor-1232					1219.846	1255.666
14)	L4 Aroclor-1242	5.64	8.79	5080	3570	213.663	188.576
15)	L4 Aroclor-1242 (2)	6.74	10.31	24000	21396	566.747	576.579
16)	L4 Aroclor-1242 (3)	8.16	11.37	53989	10401	836.641	653.491
17)	L4 Aroclor-1242 (4)	8.55	11.65	13430	40597	497.967	803.706 #
18)	L4 Aroclor-1242 (5)	8.87	12.24	17608	12044	792.988	541.665 #
	Total Aroclor-1242			114108	88009	2908.006	2764.016
	Average Aroclor-1242					581.601	552.803
19)	L5 Aroclor-1248	9.26	14.95	29892	18697	1060.653	932.453
20)	L5 Aroclor-1248 (2)	10.01	15.16	27244	19443	1159.539	942.392

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0032.D Vial: 13
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0032.D\CONFIRM.D
Acq On : 24 Nov 96 10:54 PM Operator: JS
Sample : 8080,C995-80,2X, Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 14:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	11.31	16.17	31085	13966	1021.214	902.516
Total Aroclor-1248			88220	52106	3241.406	2777.361
Average Aroclor-1248					1080.469	925.787
22) L6 Aroclor-1254	13.01	17.16	13030	12170	375.752	389.477
23) L6 Aroclor-1254 (2)	13.35	17.55	26820	25825	372.657	374.052
24) L6 Aroclor-1254 (3)	13.84	17.98	12937	16547	385.043	379.778
25) L6 Aroclor-1254 (4)	14.19	18.50	17367	10826	371.227	385.924
26) L6 Aroclor-1254 (5)	15.74	20.03	19835	16523	367.948	376.888
Total Aroclor-1254			89988	81891	1872.628	1906.119
Average Aroclor-1254					374.526	381.224
27) L7 Aroclor-1260	13.84	18.18	12937	9820	373.872	302.257
28) L7 Aroclor-1260 (2)	14.63	18.50	11072	10826	279.023	294.615
29) L7 Aroclor-1260 (3)	17.83	21.91	4638	4574	83.968	84.469
Total Aroclor-1260			28646	25219	736.863	681.341
Average Aroclor-1260					245.621	227.114
~~30)~~ L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	23.54	0	886	N.D.	NoCal
32) L8 Aroclor-1268 (3)	0.00	28.12	0	616	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - use 2 pts

$$= \frac{1629 \times 2 \times \frac{5}{2} \times 25}{15.3 \times 0.92} = 14470$$

DF

K

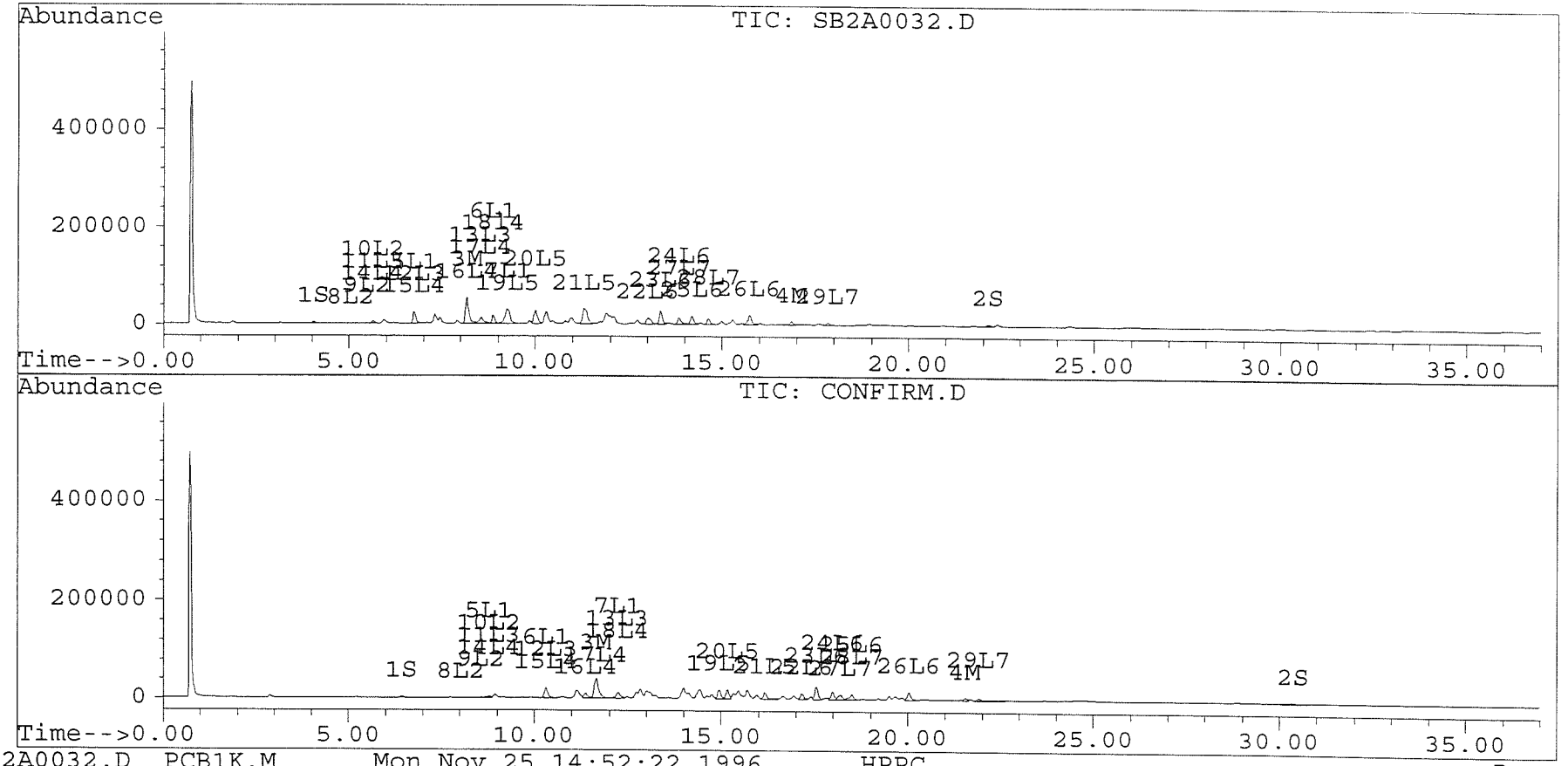
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0032.D Vial: 13
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0032.D\CONFIRM.D
Acq On : 24 Nov 96 10:54 PM Operator: JS
Sample : 8080,C995-80,2X, Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 14:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-81.D Vial: 42
Signal #2 : D:\HPCHEM\5\20NOV96\C995-81.D\CONFIRM.D
Acq On : 21 Nov 96 06:19 PM Operator: JS
Sample : VHB / PK6 (25) Inst : ECD1
Misc : 15.4G/10ML 85% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.04	6.43	8369	6964	33.571	35.663
					Recovery	=	83.93%	89.16%
2)	S	Decachlorobiphenyl	22.16	30.38	7241	3497	35.592	36.008
					Recovery	=	88.98%	90.02%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.17	11.66	53743	38121	497.350	393.849
4)	M	2,2',3,3',4,4'-Hexa	16.86	21.56	27015	20714	144.463	122.543
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1016			0	0	N.D.	N.D.
	Average	Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1221			0	0	N.D.	N.D.
	Average	Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total	Aroclor-1232			0	0	N.D.	N.D.
	Average	Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	5.64	8.79	7725	4732	324.904	250.013
15)	L4	Aroclor-1242 {2}	6.75	10.31	24258	21016	572.855	566.323
16)	L4	Aroclor-1242 {3}	8.17	11.37	53743	10054	832.830	631.646
17)	L4	Aroclor-1242 (4)	8.55	11.66	14405	38121	534.108	754.676 #
18)	L4	Aroclor-1242 (5)	8.88	12.24	16926	13875	762.262	624.002
	Total	Aroclor-1242			117058	87797	3026.959	2826.660
	Average	Aroclor-1242					605.392	565.332
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

45

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-81.D Vial: 42
Signal #2 : D:\HPCHEM\5\20NOV96\C995-81.D\CONFIRM.D
Acq On : 21 Nov 96 06:19 PM Operator: JS
Sample : VHB / PK6 (hr) Inst : ECD1
Misc : 15.4G/~~10ML~~ 85% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	36233	32527	1044.876	1041.008
23) L6 Aroclor-1254 {2}	13.36	17.55	73843	71390	1026.037	1034.009
24) L6 Aroclor-1254 {3}	13.85	17.99	36603	53084	1089.432	1218.358
25) L6 Aroclor-1254 (4)	14.19	18.50	56012	36575	1197.305	1303.794
26) L6 Aroclor-1254 (5)	15.74	20.04	75269	62175	1396.282	1418.180
Total Aroclor-1254			277959	255751	5753.932	6015.349
Average Aroclor-1254					1150.786	1203.070
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 4 pts

$$\frac{2577 \times \frac{5}{4} \times 25}{15.4 \times 0.85} = 6152$$

AR 1254

$$\frac{5754 \times 25}{15.4 \times 0.85} \rightarrow 10989$$

MRL = 190/380

458

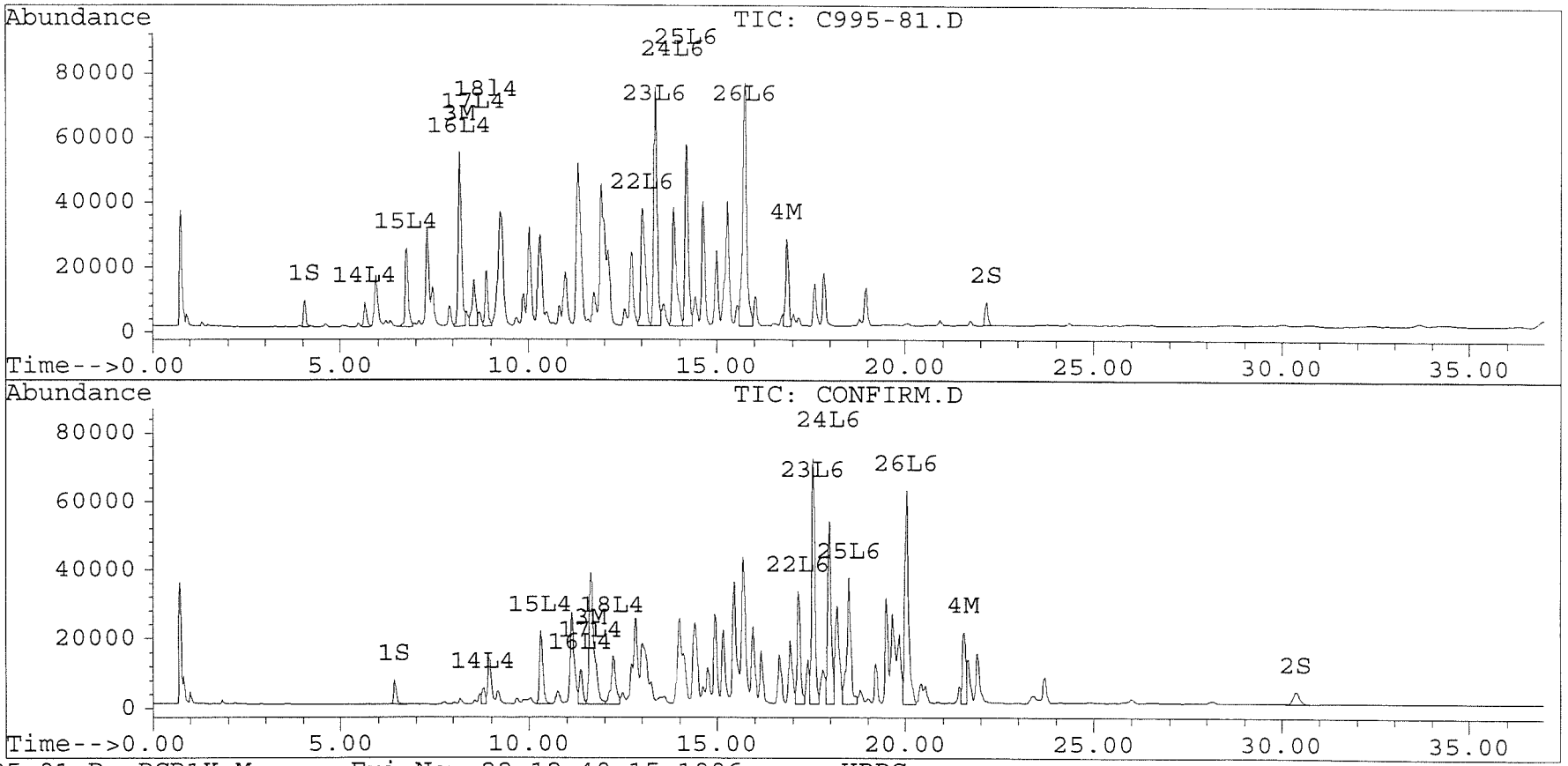
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-81.D Vial: 42
Signal #2 : D:\HPCHEM\5\20NOV96\C995-81.D\CONFIRM.D
Acq On : 21 Nov 96 06:19 PM Operator: JS
Sample : VHB / PK6 (2x) Inst : ECD1
Misc : 15.4G/~~10ML~~ 85% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:39 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82.D Vial: 43
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82.D\CONFIRM.D
Acq On : 21 Nov 96 07:00 PM Operator: JS
Sample : VHB / PL4 Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 25 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9309	7185	37.342	36.796
				Recovery	=	93.36%	91.99%
2) S	Decachlorobiphenyl	22.16	30.36	7274	4240	35.750m	43.655
				Recovery	=	89.38%	109.14%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	125267	95201	1159.244	983.582
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	22306	16394	119.286	96.985
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232				dilute	0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	8916	4852	374.990	256.341 #
15) L4	Aroclor-1242 {2}	6.75	10.31	27221	24546	642.827	661.449
16) L4	Aroclor-1242 {3}	8.17	11.37	125267	13288	1941.196	834.826 #
17) L4	Aroclor-1242 (4)	8.55	11.66	19307	95201	715.866	1884.694 #
18) L4	Aroclor-1242 (5)	8.87	12.24	41932	17099	1888.389	768.988 #
Total	Aroclor-1242			222643	154985	5563.268	4406.299
Average	Aroclor-1242					1112.654	881.260
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82.D Vial: 43
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82.D\CONFIRM.D
Acq On : 21 Nov 96 07:00 PM Operator: JS
Sample : VHB / PL4 Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 25 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	40248	35887	1160.674	1148.541
23) L6 Aroclor-1254 {2}	13.36	17.56	76083	72948	1057.161	1056.567
24) L6 Aroclor-1254 {3}	13.88	17.99	38479	48015	1145.283m	1102.025
25) L6 Aroclor-1254 (4)	14.19	18.50	50910	30350	1088.254	1081.891
26) L6 Aroclor-1254 (5)	15.74	20.04	60839	49740	1128.608	1134.546
Total Aroclor-1254			266560	236940	5579.980	5523.570
Average Aroclor-1254					1115.996	1104.714
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254 = $\frac{5524 \times 25}{15.3 \times 0.82}$ = 11,000

MRL = 200/400

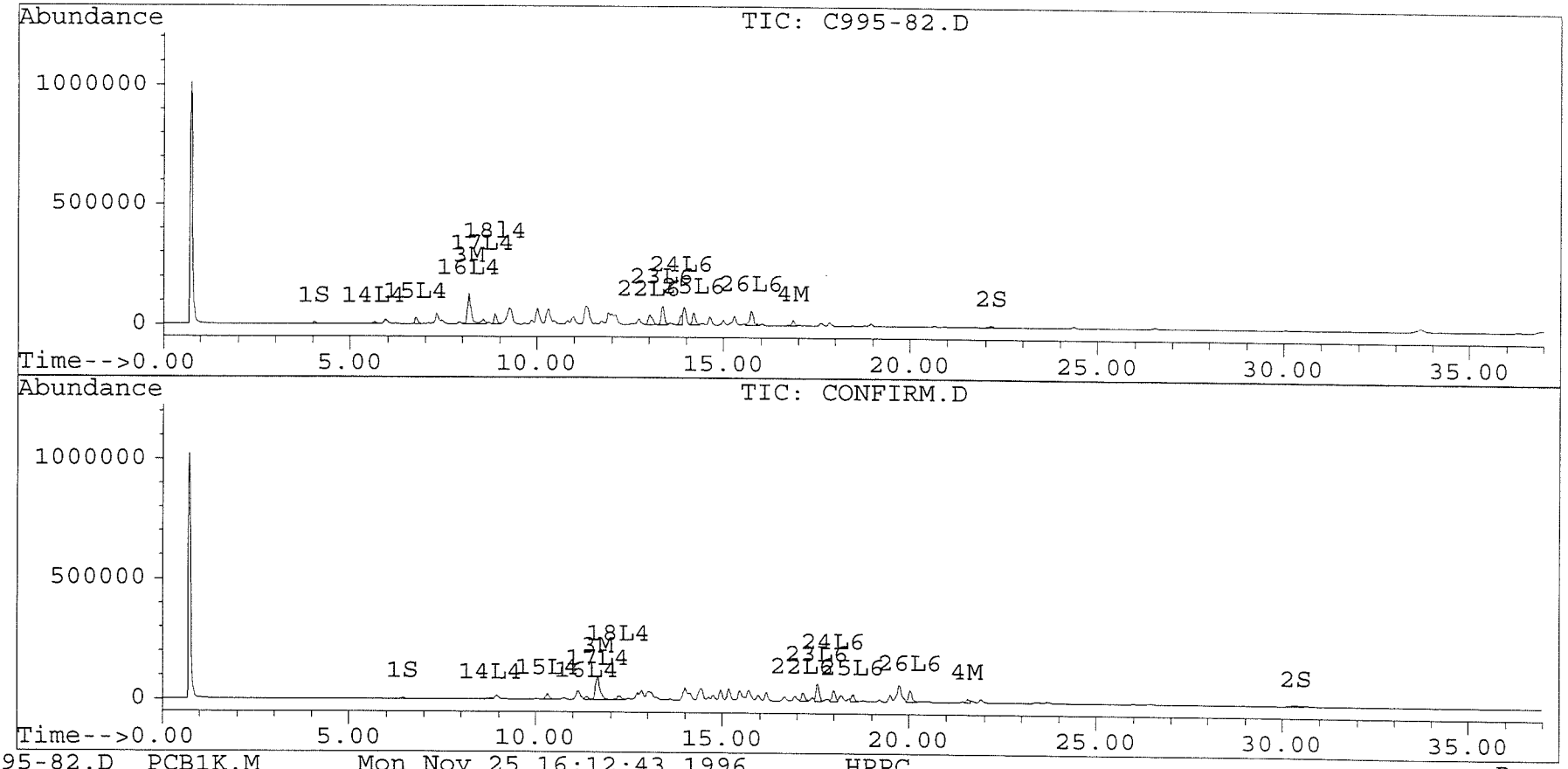
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
C995-82.D PCB1K.M Mon Nov 25 16:12:13 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82.D Vial: 43
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82.D\CONFIRM.D
Acq On : 21 Nov 96 07:00 PM Operator: JS
Sample : VHB / PL4 Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 25 16:11 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82M.D Vial: 44
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82M.D\CONFIRM.D
Acq On : 21 Nov 96 07:40 PM Operator: JS
Sample : VHB / PL4 MS Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9727	7910	39.020	40.506
				Recovery	=	97.55%	101.27%
2) S	Decachlorobiphenyl	22.16	30.38	7828	3835	38.477m	39.486
				Recovery	=	96.19%	98.72%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	184304	153395	1705.584	1584.826
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	175051	157575	936.098	932.199
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	6859	3614	288.472	190.942 #
15) L4	Aroclor-1242 {2}	6.75	10.32	21618	19482	510.507	524.984
16) L4	Aroclor-1242 {3}	8.17	11.37	184304	10847	2856.062	681.498 #
17) L4	Aroclor-1242 (4)	8.55	11.66	16245	153395	602.337	3036.770 #
18) L4	Aroclor-1242 (5)	8.88	12.23	36388	14707	1638.751	661.426 #
Total	Aroclor-1242			265415	202045	5896.130	5095.620
Average	Aroclor-1242					1179.226	1019.124
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82M.D Vial: 44
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82M.D\CONFIRM.D
Acq On : 21 Nov 96 07:40 PM Operator: JS
Sample : VHB / PL4 MS Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	35957	31854	1036.906	1019.457
23) L6 Aroclor-1254 {2}	13.36	17.55	68868	65465	956.912	948.194
24) L6 Aroclor-1254 {3}	0.00	17.99	0	43068	N.D.	988.476 #
25) L6 Aroclor-1254 (4)	14.19	18.50	46329	27370	990.330	975.675
26) L6 Aroclor-1254 (5)	15.74	20.04	55109	44935	1022.297	1024.938
Total Aroclor-1254			206262	212692	4006.444	4956.740
Average Aroclor-1254					1001.611	991.348
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

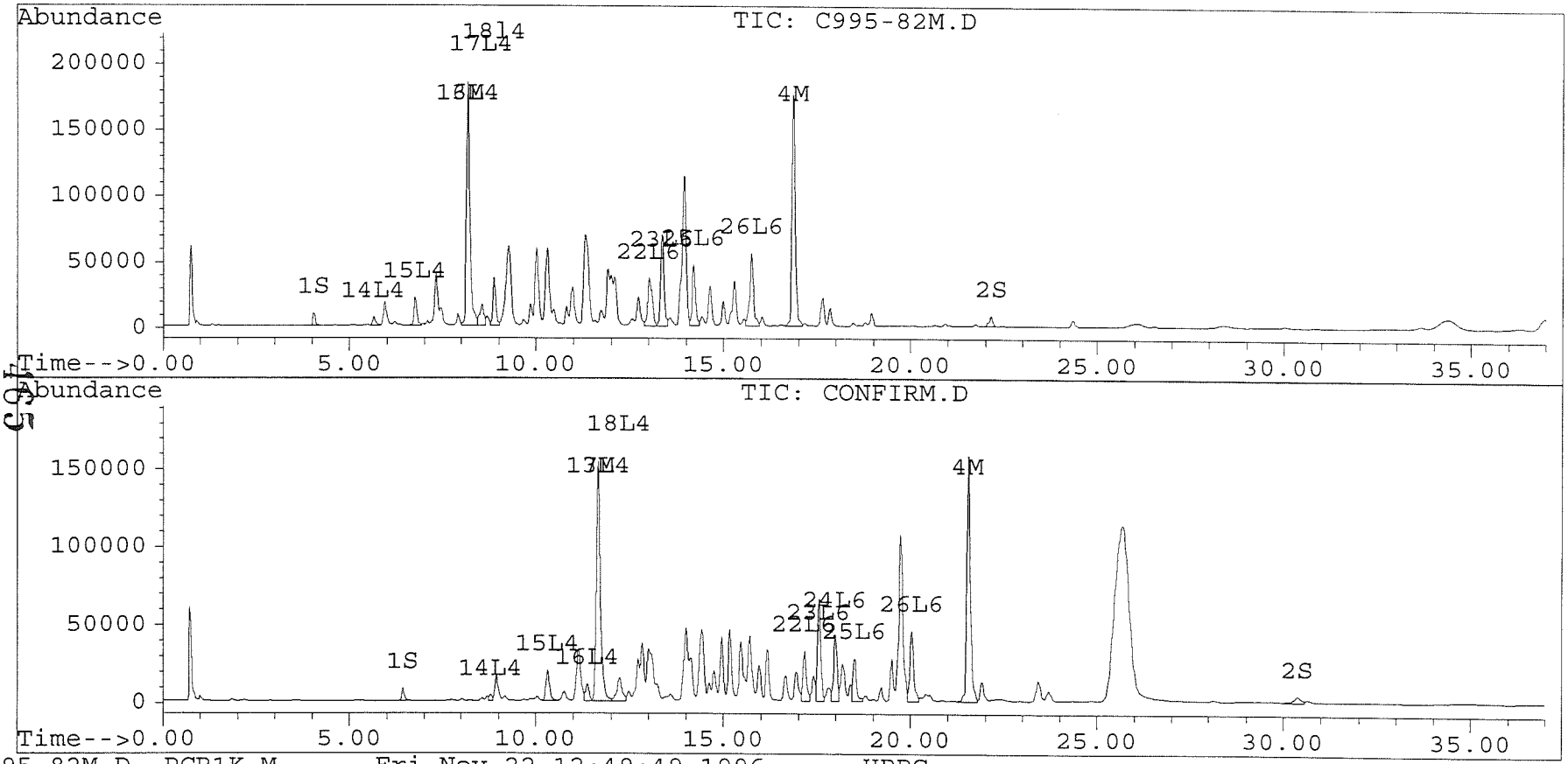
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82M.D Vial: 44
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82M.D\CONFIRM.D
Acq On : 21 Nov 96 07:40 PM Operator: JS
Sample : VHB / PL4 MS Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:41 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\28NOV96\SB2A0179.D Vial: 54
Signal #2 : D:\HPCHEM\5\28NOV96\SB2A0179.D\CONFIRM.D
Acq On : 29 Nov 96 11:11 AM Operator: JS
Sample : VHB,C0995-82, PL4 Inst : SB2
Misc : 15.3g,25mL, 82% Solid, 2X Dilution Multiplr: 1.00
Quant Time: Nov 29 11:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.02	6.39	3616	2915	14.506	14.928
				Recovery	=	36.27%	37.32%
2) S	Decachlorobiphenyl	0.00	30.19	0	3162	N.D.	32.551 #
				Recovery	=	0.00%	81.38%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.12	11.60	63542	47449	588.027	490.227
4) M	2,2',3,3',4,4'-Hexa	16.80	21.50	10542	7961	56.373	47.099
5) L1	Aroclor-1016	6.71	8.74	13390	2295	417.946	180.294 #
6) L1	Aroclor-1016 (2)	8.83	10.26	19833	12434	1166.052	441.204 #
7) L1	Aroclor-1016 (3)	9.21	12.18	34370	8375	1332.040	494.075 #
Total	Aroclor-1016			67594	23105	2916.038	1115.574
Average	Aroclor-1016					972.013	371.858
8) L2	Aroclor-1221	5.02	7.97f	265	448	37.767	73.230 #
9) L2	Aroclor-1221 (2)	5.44f	0.00	571	0	97.951	N.D. #
10) L2	Aroclor-1221 (3)	5.61	8.74f	4197	2295	207.711	149.504 #
Total	Aroclor-1221			5033	2743	343.429	222.734
Average	Aroclor-1221					114.476	111.367
11) L3	Aroclor-1232	5.61	8.74f	4197	2295	230.093	160.164 #
12) L3	Aroclor-1232 (2)	6.71f	0.00	13390	0	981.173	N.D. #
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			17587	2295	1211.266	160.164
Average	Aroclor-1232					605.633	160.164
14) L4	Aroclor-1242	5.61	8.74	4197	2295	176.512	121.255 #
15) L4	Aroclor-1242 (2)	6.71	10.26	13390	12434	316.213	335.079
16) L4	Aroclor-1242 (3)	8.12	11.32	63542	6420	984.673	403.334 #
17) L4	Aroclor-1242 (4)	8.50	11.60	9180	47449	340.395	939.350 #
18) L4	Aroclor-1242 (5)	8.83	12.18	19833	8375	893.169	376.664 #
Total	Aroclor-1242			110143	76974	2710.962	2175.681
Average	Aroclor-1242					542.192	435.136
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\28NOV96\SB2A0179.D Vial: 54
Signal #2 : D:\HPCHEM\5\28NOV96\SB2A0179.D\CONFIRM.D
Acq On : 29 Nov 96 11:11 AM Operator: JS
Sample : VHB,C0995-82, PL4 Inst : SB2
Misc : 15.3g,25mL, 82% Solid, 2X Dilution Multiplr: 1.00
Quant Time: Nov 29 11:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.96	17.11	18951	17032	546.494	545.086
23) L6 Aroclor-1254 {2}	13.30	17.50	38662	36503	537.198	528.708
24) L6 Aroclor-1254 {3}	0.00	17.93	0	24239	N.D.	556.327 #
25) L6 Aroclor-1254 (4)	14.14	18.44	25626	15417	547.785	549.556
26) L6 Aroclor-1254 (5)	15.68	19.98	30675	25446	569.031	580.408
Total Aroclor-1254			113913	118636	2200.509	2760.084
Average Aroclor-1254					550.127	552.017
27) L7 Aroclor-1260	0.00	18.12	0	13271	N.D.	408.489 #
28) L7 Aroclor-1260 {2}	14.57	18.44	17157	15417	432.384	419.531
29) L7 Aroclor-1260 {3}	17.78	21.86	7245	7109	131.162	131.298
Total Aroclor-1260			24402	35797	563.546	959.318
Average Aroclor-1260					281.773	319.773
30) L8 Aroclor-1268	18.89	23.35f	5244	3088	NoCal	718.912 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	3088	N.D.	718.912
Average Aroclor-1268					0.000	718.912

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

Quantitation Report

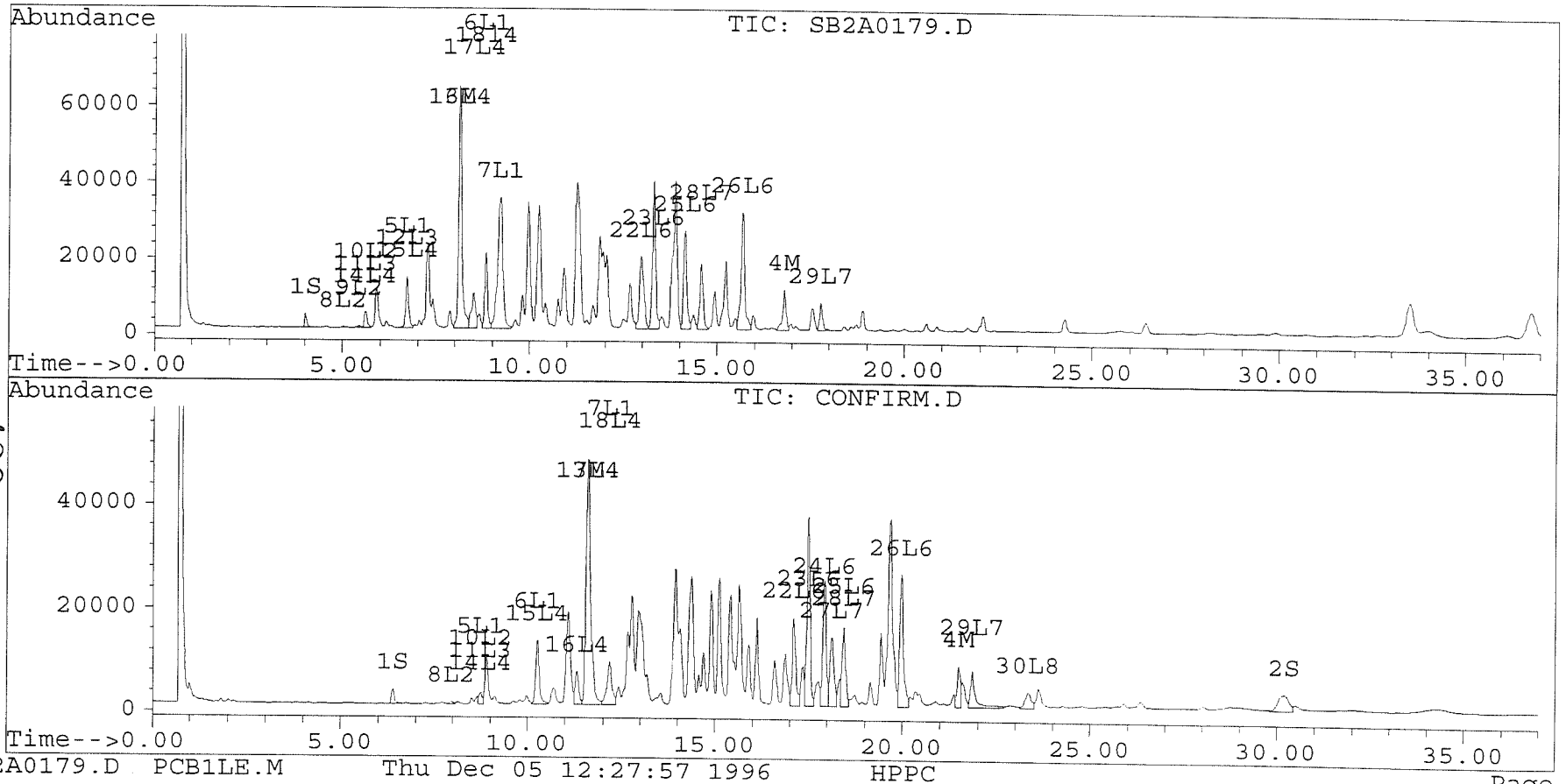
Signal #1 : D:\HPCHEM\5\28NOV96\SB2A0179.D
Signal #2 : D:\HPCHEM\5\28NOV96\SB2A0179.D\CONFIRM.D
Acq On : 29 Nov 96 11:11 AM
Sample : VHB,C0995-82, PL4
Misc : 15.3g,25mL, 82% Solid, 2X Dilution
Quant Time: Nov 29 11:50 1996

Vial: 54
Operator: JS
Inst : SB2
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0036.D Vial: 15
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0036.D\CONFIRM.D
Acq On : 25 Nov 96 01:37 AM Operator: JS
Sample : 8080,C995-82MS,2X,PL4MS Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 14:57 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4866	3829	19.522	19.610
				Recovery	=	48.81%	49.03%
2) S	Decachlorobiphenyl	22.15	30.37	3182	1839	15.641	18.933
				Recovery	=	39.10%	47.33%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.66	103103	85243	954.133	880.705
4) M	2,2',3,3',4,4'-Hexa	16.85	21.55	98832	88659	528.511	524.496
5) L1	Aroclor-1016	6.74	8.79	12340	1955	385.158	153.536 #
6) L1	Aroclor-1016 {2}	8.87	10.31	19542	11174	1148.959	396.468 #
7) L1	Aroclor-1016 {3}	9.26	12.23	35058	7971	1358.690	470.239 #
Total	Aroclor-1016			66940	21099	2892.807	1020.243
Average	Aroclor-1016					964.269	340.081
8) L2	Aroclor-1221	5.04	8.01	278	452	39.641	73.916 #
9) L2	Aroclor-1221 {2}	5.47	8.56	491	865	84.096	177.340 #
10) L2	Aroclor-1221 {3}	5.64	8.79	3679	1955	182.099	127.315 #
Total	Aroclor-1221			4448	3272	305.836	378.571
Average	Aroclor-1221					101.945	126.190
11) L3	Aroclor-1232	5.64	8.79	3679	1955	201.721	136.393 #
12) L3	Aroclor-1232 {2}	6.74	10.31	12340	11174	904.200	930.066
13) L3	Aroclor-1232 {3}	8.54	12.23	8952	7971	1081.462	1149.564
Total	Aroclor-1232			24971	21099	2187.384	2216.022
Average	Aroclor-1232					729.128	738.674
14) L4	Aroclor-1242	5.64	8.79	3679	1955	154.747	103.258 #
15) L4	Aroclor-1242 {2}	6.74	10.31	12340	11174	291.406	301.103
16) L4	Aroclor-1242 {3}	8.16	11.37	103103	5904	1597.730	370.946 #
17) L4	Aroclor-1242 (4)	8.54	11.66	8952	85243	331.923	1687.565 #
18) L4	Aroclor-1242 (5)	8.87	12.23	19542	7971	880.076	358.492 #
Total	Aroclor-1242			147616	112247	3255.883	2821.364
Average	Aroclor-1242					651.177	564.273
19) L5	Aroclor-1248	9.26	14.95	35058	21888	1243.967	1091.609
20) L5	Aroclor-1248 {2}	10.01	15.16	33686	24641	1433.733	1194.354

(881-490)x2 = 782

(524-47)x2 = 954

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

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Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0036.D Vial: 15
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0036.D\CONFIRM.D
Acq On : 25 Nov 96 01:37 AM Operator: JS
Sample : 8080,C995-82MS,2X,PL4MS Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 14:57 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	11.31	16.17	38251	16682	1256.656	1078.035
Total	Aroclor-1248			106995	63211	3934.356	3363.997
Average	Aroclor-1248					1311.452	1121.332
22) L6	Aroclor-1254	13.01	17.16	19241	17308	554.872	553.927
23) L6	Aroclor-1254 {2}	13.35	17.55	38738	36261	538.262	525.207
24) L6	Aroclor-1254 {3}	0.00	17.98	0	23025	N.D.	528.469 #
25) L6	Aroclor-1254 (4)	14.19	18.50	24674	15098	527.436	538.217
26) L6	Aroclor-1254 (5)	15.74	20.03	29870	24625	554.112	561.694
Total	Aroclor-1254			112524	116319	2174.682	2707.514
Average	Aroclor-1254					543.671	541.503
27) L7	Aroclor-1260	0.00	18.18	0	13713	N.D.	422.114 #
28) L7	Aroclor-1260 {2}	14.63	18.50	16923	15098	426.474	410.875
29) L7	Aroclor-1260 {3}	17.83	21.91	6910	6509	125.111	120.214
Total	Aroclor-1260			23833	35321	551.584	953.203
Average	Aroclor-1260					275.792	317.734
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8	Aroclor-1268 {3}	0.00	28.12	0	526	N.D.	NoCal
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82D.D Vial: 45
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82D.D\CONFIRM.D
Acq On : 21 Nov 96 10:14 PM Operator: JS
Sample : VHB / PL4 MSD Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 13:59 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9549	7847	38.306	40.183
				Recovery	=	95.76%	100.46%
2) S	Decachlorobiphenyl	22.16	30.38	7858	3614	38.625m	37.203
				Recovery	=	96.56%	93.01%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	207810	170186	1923.112	1758.308
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	172848	156725	924.316	927.169
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	10363	6392	435.834	337.709
15) L4	Aroclor-1242 {2}	6.75	10.31	31535	28210	744.690	760.194
16) L4	Aroclor-1242 {3}	8.17	11.37	207810	16099	3220.321	1011.462
17) L4	Aroclor-1242 (4)	8.55	11.66	24185	170186	896.742	3369.188 #
18) L4	Aroclor-1242 (5)	8.88	12.24	48318	21363	2175.989	960.778 #
Total	Aroclor-1242			322211	242251	7473.575	6439.331
Average	Aroclor-1242					1494.715	1287.866
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82D.D Vial: 45
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82D.D\CONFIRM.D
Acq On : 21 Nov 96 10:14 PM Operator: JS
Sample : VHB / PL4 MSD Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 13:59 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

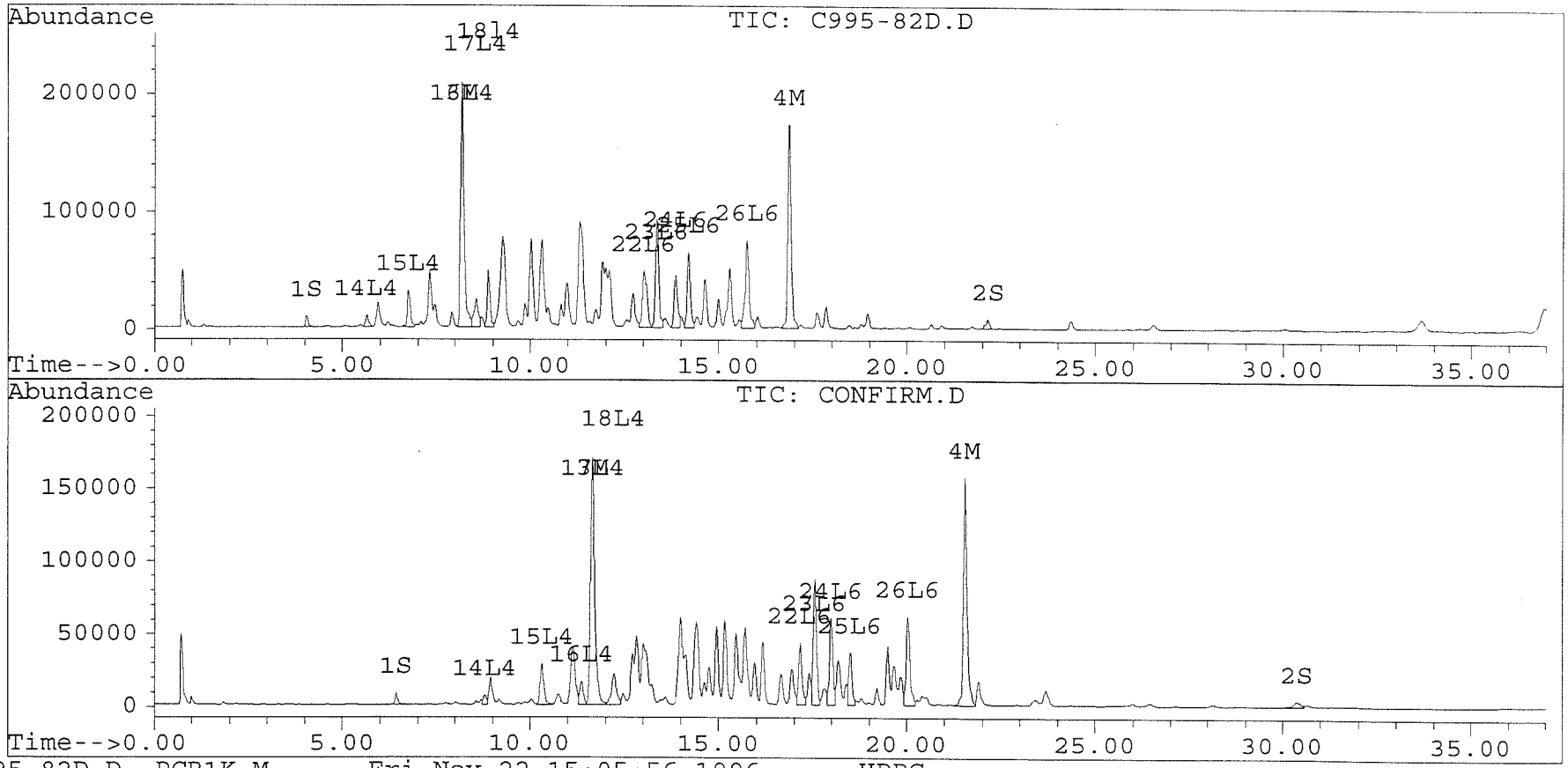
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	48059	42847	1385.911	1371.290
23) L6 Aroclor-1254 {2}	13.36	17.55	91331	86719	1269.042	1256.038
24) L6 Aroclor-1254 {3}	13.85	17.99	44284	60199	1318.076	1381.671
25) L6 Aroclor-1254 (4)	14.19	18.50	64168	36254	1371.644	1292.364
26) L6 Aroclor-1254 (5)	15.74	20.04	74515	60981	1382.299	1390.946
Total Aroclor-1254			322358	287001	6726.971	6692.310
Average Aroclor-1254					1345.394	1338.462
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-82D.D Vial: 45
Signal #2 : D:\HPCHEM\5\20NOV96\C995-82D.D\CONFIRM.D
Acq On : 21 Nov 96 10:14 PM Operator: JS
Sample : VHB / PL4 MSD Inst : ECD1
Misc : 15.3G/10ML 82% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 13:59 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0037.D Vial: 16
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0037.D\CONFIRM.D
Acq On : 25 Nov 96 02:17 AM Operator: JS
Sample : 8080,C995-82MSD,2X,PL4MSD Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	0.00	6.43	0	3787	N.D.	19.394 #
					Recovery	=	0.00%	48.48%
2)	S	Decachlorobiphenyl	0.00	30.37	0	1724	N.D.	17.755 #
					Recovery	=	0.00%	44.39%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.16	11.66	111917	95570	1035.700	987.400
4)	M	2,2',3,3',4,4'-Hexa	0.00	21.55	0	86970	N.D.	514.505 #
5)	L1	Aroclor-1016	0.00	8.79	0	3455	N.D.	271.416 #
6)	L1	Aroclor-1016 {2}	0.00	10.31	0	16417	N.D.	582.530 #
7)	L1	Aroclor-1016 {3}	0.00	12.23	0	11760	N.D.	693.729 #
	Total	Aroclor-1016			0	31632	N.D.	1547.675
	Average	Aroclor-1016					0.000	515.892
8)	L2	Aroclor-1221	0.00	8.02	0	681	N.D.	111.391 #
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	1276	N.D.	261.679 #
10)	L2	Aroclor-1221 {3}	0.00	8.79	0	3455	N.D.	225.064 #
	Total	Aroclor-1221			0	5413	N.D.	598.134
	Average	Aroclor-1221					0.000	199.378
11)	L3	Aroclor-1232	0.00	8.79	0	3455	N.D.	241.112 #
12)	L3	Aroclor-1232 {2}	0.00	10.31	0	16417	N.D.	1366.545 #
13)	L3	Aroclor-1232 {3}	0.00	12.23	0	11760	N.D.	1695.916 #
	Total	Aroclor-1232			0	31632	N.D.	3303.573
	Average	Aroclor-1232					0.000	1101.191
14)	L4	Aroclor-1242	0.00	8.79	0	3455	N.D.	182.537 #
15)	L4	Aroclor-1242 {2}	0.00	10.31	0	16417	N.D.	442.410 #
16)	L4	Aroclor-1242 {3}	8.16	11.37	111917	8830	1734.316	554.764 #
17)	L4	Aroclor-1242 (4)	0.00	11.66	0	95570	N.D.	1892.010 #
18)	L4	Aroclor-1242 (5)	0.00	12.23	0	11760	N.D.	528.872 #
	Total	Aroclor-1242			111917	136033	1734.316	3600.594
	Average	Aroclor-1242					1734.316	720.119
19)	L5	Aroclor-1248	0.00	14.95	0	29392	N.D.	1465.832 #
20)	L5	Aroclor-1248 {2}	0.00	15.16	0	31826	N.D.	1542.609 #

(981-490)x2 = 982

(514-47)x2 = 934

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0037.D PCB1K.M Mon Nov 25 15:05:37 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0037.D Vial: 16
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0037.D\CONFIRM.D
Acq On : 25 Nov 96 02:17 AM Operator: JS
Sample : 8080,C995-82MSD,2X,PL4MSD Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	0.00	16.17	0	22302	N.D.	1441.157 #
Total Aroclor-1248			0	83519	N.D.	4449.598
Average Aroclor-1248					0.000	1483.199
22) L6 Aroclor-1254	0.00	17.16	0	23131	N.D.	740.278 #
23) L6 Aroclor-1254 (2)	0.00	17.55	0	48697	N.D.	705.324 #
24) L6 Aroclor-1254 (3)	0.00	17.98	0	32649	N.D.	749.335 #
25) L6 Aroclor-1254 (4)	0.00	18.50	0	20261	N.D.	722.230 #
26) L6 Aroclor-1254 (5)	0.00	20.03	0	33076	N.D.	754.449 #
Total Aroclor-1254			0	157813	N.D.	3671.616
Average Aroclor-1254					0.000	734.323
27) L7 Aroclor-1260	0.00	18.18	0	17612	N.D.	542.128 #
28) L7 Aroclor-1260 (2)	0.00	18.50	0	20261	N.D.	551.352 #
29) L7 Aroclor-1260 (3)	0.00	21.91	0	8403	N.D.	155.192 #
Total Aroclor-1260			0	46276	N.D.	1248.672
Average Aroclor-1260					0.000	416.224
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	28.12	0	568	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

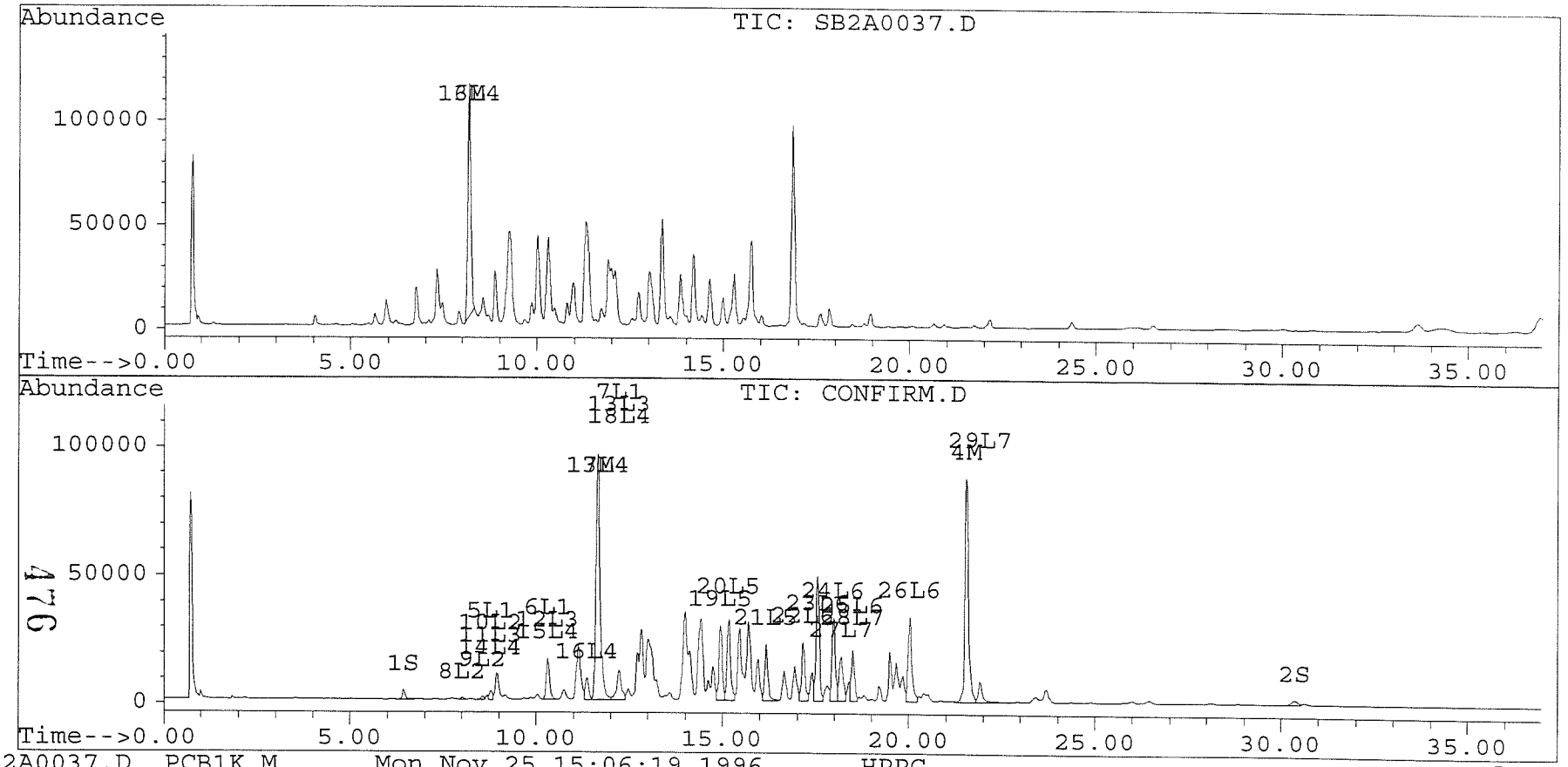
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0037.D Vial: 16
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0037.D\CONFIRM.D
Acq On : 25 Nov 96 02:17 AM Operator: JS
Sample : 8080,C995-82MSD,2X,PL4MSD Inst : SB2
Misc : VHB/15.3G/25ML/82% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-83.D Vial: 46
Signal #2 : D:\HPCHEM\5\20NOV96\C995-83.D\CONFIRM.D
Acq On : 21 Nov 96 10:54 PM Operator: JS
Sample : VHB / PA7 Inst : ECD1
Misc : 15.4G/25ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.04	6.43	9466	7551	37.972	38.671
Recovery =					94.93%	96.68%
2) S Decachlorobiphenyl	22.16	30.38	7069	3164	34.743	32.579m
Recovery =					86.86%	81.45%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.18	11.66	2322	1612	21.491	16.659m
4) M 2,2',3,3',4,4'-Hexa	16.87	21.56	1527	1051	8.165	6.216
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	5.64	8.79	293	122	12.304	6.438 #
15) L4 Aroclor-1242 {2}	6.76	10.32	594	598	14.031	16.116
16) L4 Aroclor-1242 {3}	8.18	11.38	2322	355	35.988	22.300 #
17) L4 Aroclor-1242 (4)	8.55	11.66	457	1740	16.938	34.447 #
18) L4 Aroclor-1242 (5)	8.88	12.24	757	586	34.083	26.351
Total Aroclor-1242			4423	3401	113.343	105.652
Average Aroclor-1242					22.669	21.130
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-83.D Vial: 46
Signal #2 : D:\HPCHEM\5\20NOV96\C995-83.D\CONFIRM.D
Acq On : 21 Nov 96 10:54 PM Operator: JS
Sample : VHB / PA7 Inst : ECD1
Misc : 15.4G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	1650	1420	47.596	45.450
23) L6 Aroclor-1254 {2}	13.36	17.56	3997	3684	55.543	53.356
24) L6 Aroclor-1254 {3}	13.85	17.99	2407	1997	71.630	45.826 #
25) L6 Aroclor-1254 (4)	14.20	18.51	2146	2371	45.882	84.534 #
26) L6 Aroclor-1254 (5)	15.74	20.04	3771	3419	69.950	77.980
Total Aroclor-1254			13972	12891	290.601	307.146
Average Aroclor-1254					58.120	61.429
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2 pts

$$\frac{70 \times \frac{5}{2} \times 25}{15.4 \times 0.9} = 315$$

AR1254

$$\frac{291 \times 25}{15.4 \times 0.9} = 524$$

MRL - 180/360

478

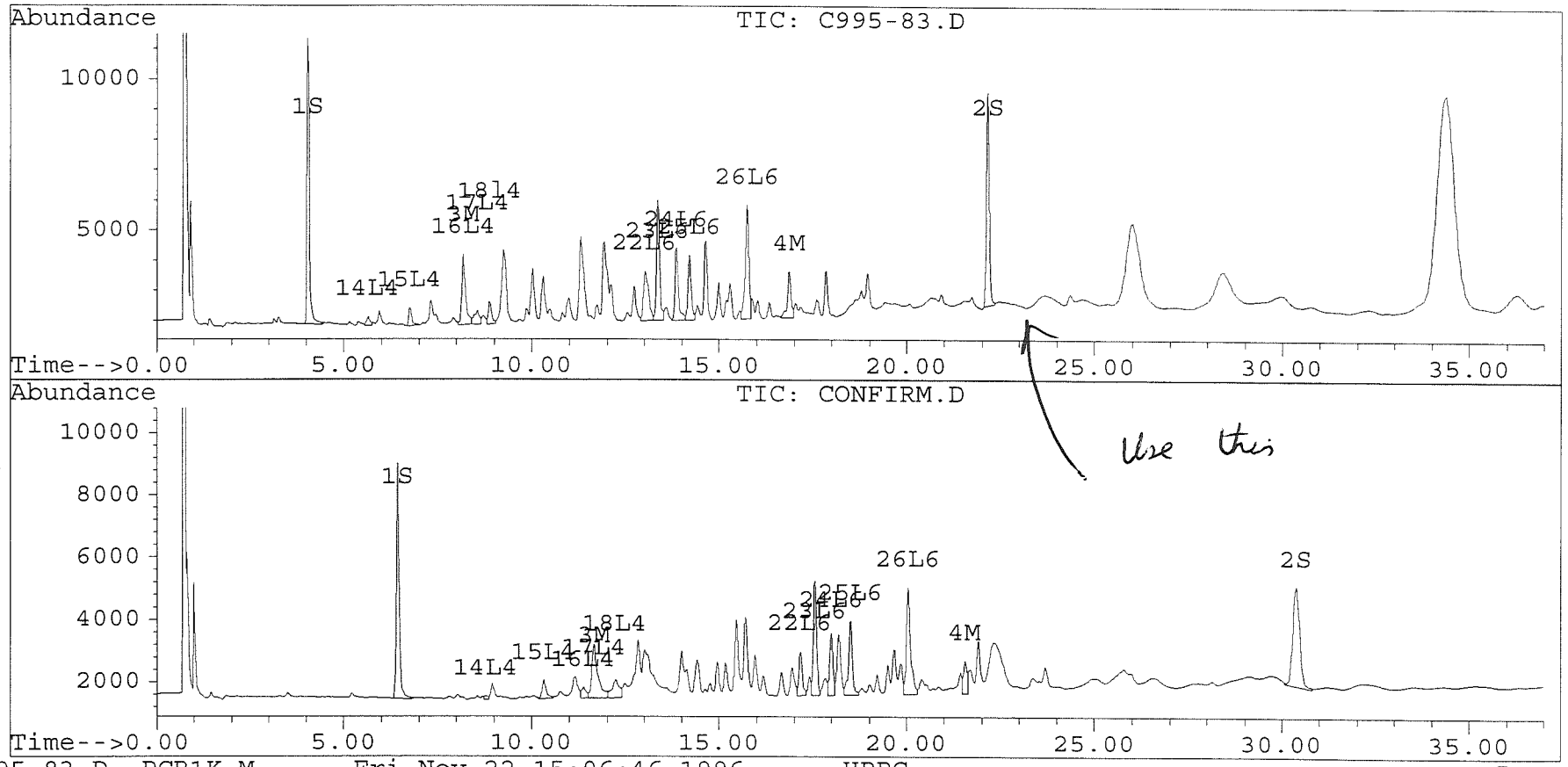
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-83.D Vial: 46
Signal #2 : D:\HPCHEM\5\20NOV96\C995-83.D\CONFIRM.D
Acq On : 21 Nov 96 10:54 PM Operator: JS
Sample : VHB / PA7 (2x) Inst : ECD1
Misc : 15.4G/10ML 90% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:00 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Use this

479

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-84.D Vial: 47
Signal #2 : D:\HPCHEM\5\20NOV96\C995-84.D\CONFIRM.D
Acq On : 21 Nov 96 11:35 PM Operator: JS
Sample : VHB / PA8 Inst : ECD1
Misc : 15.4G/10ML 84% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9315	7572	37.366	38.779
				Recovery	=	93.42%	96.95%
2) S	Decachlorobiphenyl	22.16	30.37	7568	3234	37.199m	33.292m
				Recovery	=	93.00%	83.23%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.18	11.66	2109	1513	19.515	15.635
4) M	2,2',3,3',4,4'-Hexa	16.87	21.56	1274	1204	6.814	7.124
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	250	99	10.508	5.212 #
15) L4	Aroclor-1242 {2}	6.76	10.32	447	442	10.563	11.917
16) L4	Aroclor-1242 {3}	8.18	11.38	2109	222	32.679	13.937 #
17) L4	Aroclor-1242 (4)	8.55	11.66	338	1513	12.545	29.959 #
18) L4	Aroclor-1242 (5)	8.88	12.24	615	314	27.717	14.109 #
Total	Aroclor-1242			3760	2590	94.012	75.134
Average	Aroclor-1242					18.802	15.027
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-84.D Vial: 47
Signal #2 : D:\HPCHEM\5\20NOV96\C995-84.D\CONFIRM.D
Acq On : 21 Nov 96 11:35 PM Operator: JS
Sample : VHB / PAS (W) Inst : ECD1
Misc : 15.4G/10ML 84% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	1220	1214	35.171	38.863
23) L6 Aroclor-1254 {2}	13.36	17.56	3181	3068	44.205	44.430
24) L6 Aroclor-1254 {3}	13.85	17.99	1942	1899	57.799	43.581
25) L6 Aroclor-1254 (4)	14.20	18.50	2008	1927	42.914	68.702 #
26) L6 Aroclor-1254 (5)	15.74	20.04	3061	2915	56.777	66.498
Total Aroclor-1254			11411	11023	236.866	262.075
Average Aroclor-1254					47.373	52.415
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254 =

AR1242 - Use 2 pts

$\frac{60 \times \frac{5}{2} \times 25}{15.4 \times 0.84} = 290$

$\frac{237 \times 25}{15.4 \times 0.84} = 460$

MRL = 481 190/390

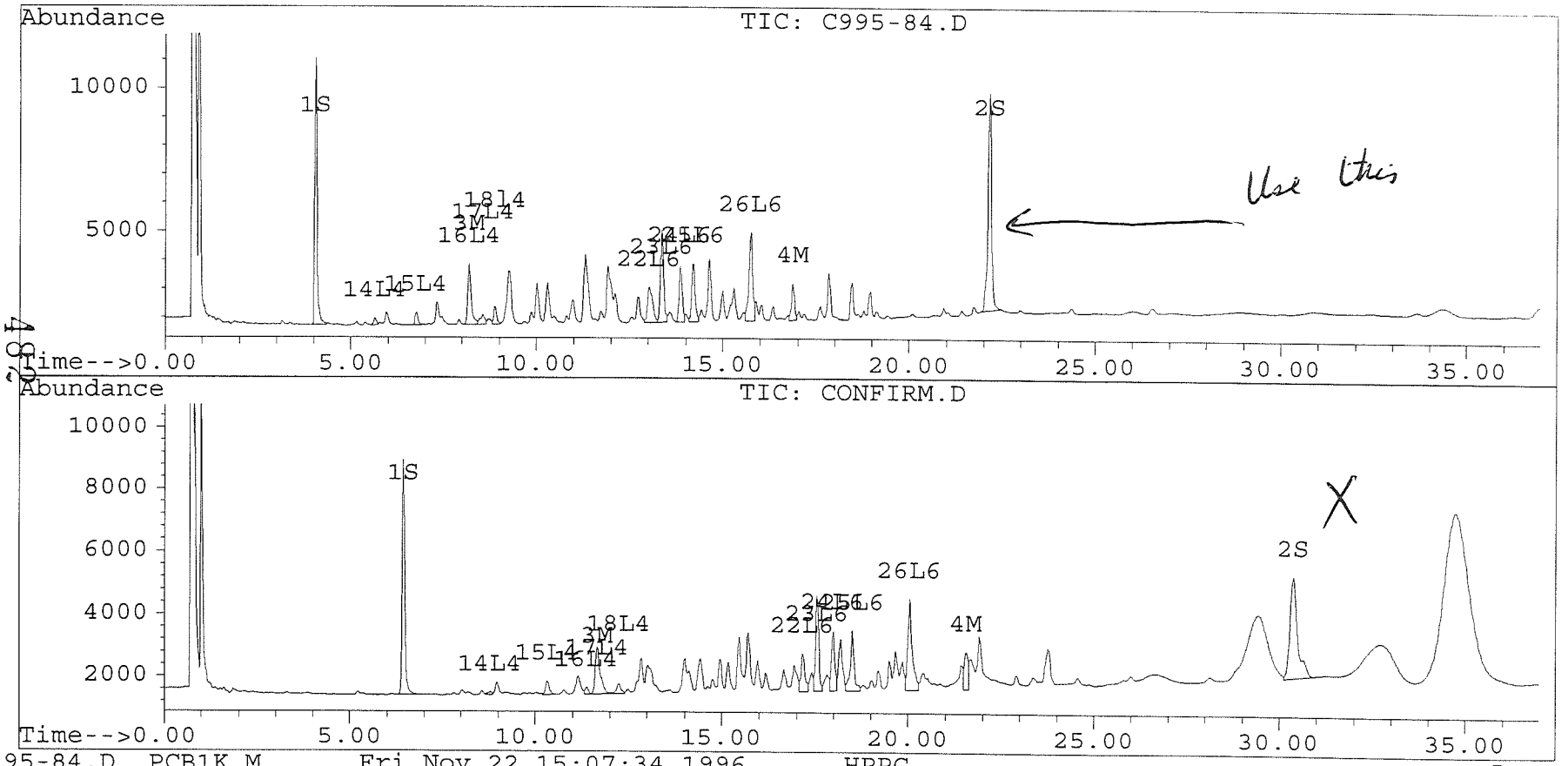
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-84.D Vial: 47
Signal #2 : D:\HPCHEM\5\20NOV96\C995-84.D\CONFIRM.D
Acq On : 21 Nov 96 11:35 PM Operator: JS
Sample : VHB / PA8 (2x) Inst : ECD1
Misc : 15.4G/10ML 84% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:05 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-85.D Vial: 48
Signal #2 : D:\HPCHEM\5\20NOV96\C995-85.D\CONFIRM.D
Acq On : 22 Nov 96 00:15 AM Operator: JS
Sample : VHB / PA9(25) Inst : ECD1
Misc : 15.0G/10ML 86% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:06 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	8246	6732	33.080	34.475	
				Recovery	=	82.70%	86.19%	
2) S	Decachlorobiphenyl	22.16	30.38	6223	2856	30.587	29.404m	
				Recovery	=	76.47%	73.51%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.18	11.67	684	460	6.328	4.750	
4) M	2,2',3,3',4,4'-Hexa	16.87	21.57	2110	806	11.284	4.768	#
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.62	8.79	336	37	14.114	1.962	#
15) L4	Aroclor-1242 {2}	6.76	10.31	167	187	3.938	5.026	#
16) L4	Aroclor-1242 {3}	8.18	11.38	684	73	10.596	4.591	#
17) L4	Aroclor-1242 (4)	8.55	11.67	139	460	5.155	9.102	#
18) L4	Aroclor-1242 (5)	8.88	12.23	242	128	10.899	5.744	#
Total	Aroclor-1242			1567	884	44.702	26.426	
Average	Aroclor-1242					8.940	5.285	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-85.D Vial: 48
Signal #2 : D:\HPCHEM\5\20NOV96\C995-85.D\CONFIRM.D
Acq On : 22 Nov 96 00:15 AM Operator: JS
Sample : VHB / PA9 Inst : ECD1
Misc : 15.0G/10ML 86% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:06 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	17.17	0	509	N.D.	16.288 #
23) L6 Aroclor-1254 {2}	13.36	17.55	2400	2192	33.350	31.755
24) L6 Aroclor-1254 {3}	13.85	17.98	2780	841	82.758	19.310 #
25) L6 Aroclor-1254 (4)	14.20	18.50	937	3260	20.036	116.225 #
26) L6 Aroclor-1254 (5)	15.74	20.05	3936	4496	73.017	102.552 #
Total Aroclor-1254			10054	11299	209.160	286.130
Average Aroclor-1254					52.290	57.226
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254
Use 2 pks

AR1242 Use 3 peaks

$36 \times \frac{5}{3}$ < MRL

$\frac{156 \times \frac{5}{2} \times 25}{15 \times 0.81} = 160$

MRL = 190|390

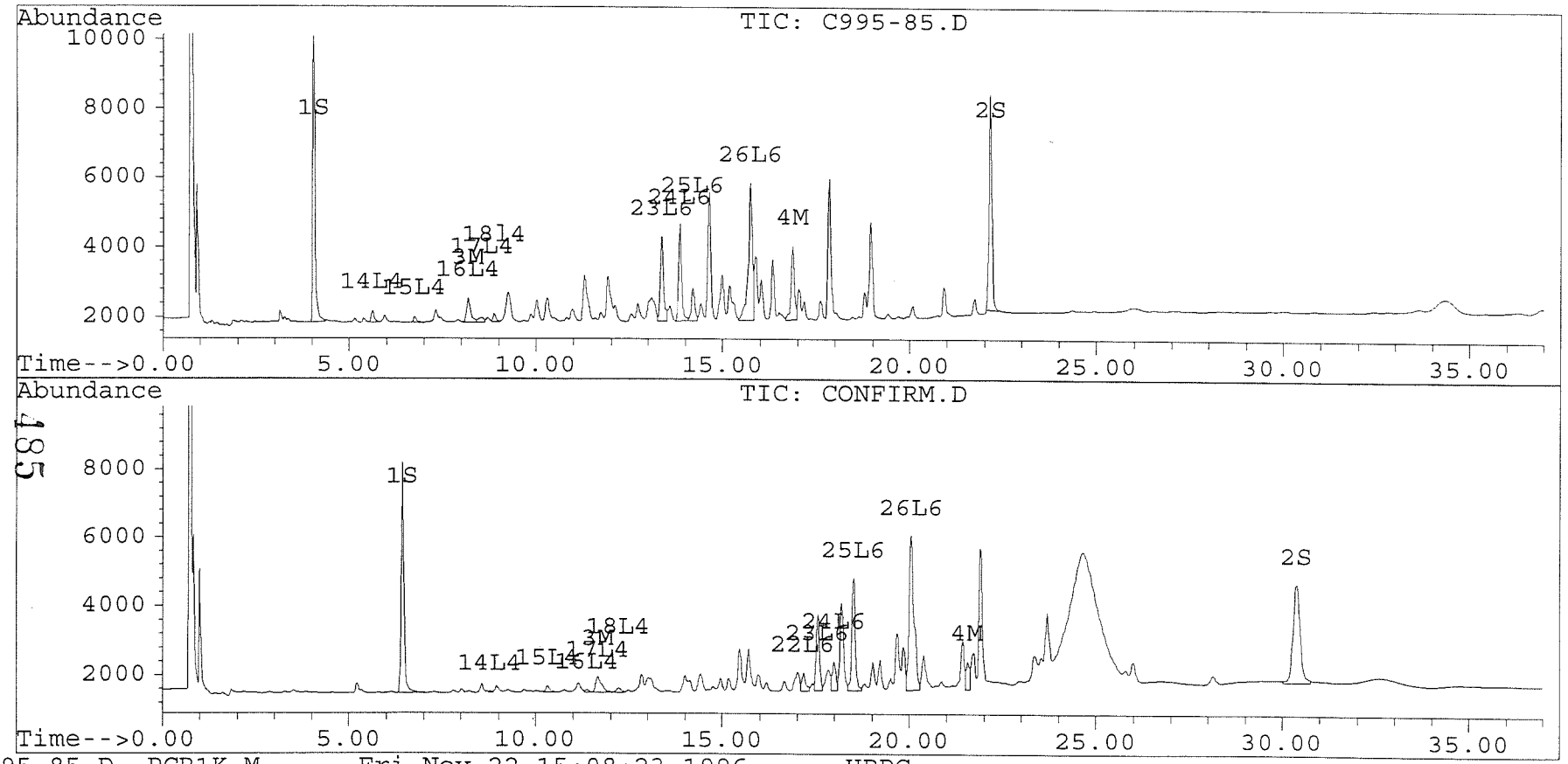
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-85.D Vial: 48
Signal #2 : D:\HPCHEM\5\20NOV96\C995-85.D\CONFIRM.D
Acq On : 22 Nov 96 00:15 AM Operator: JS
Sample : VHB / PA9 Inst : ECD1
Misc : 15.0G/10ML 86% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:06 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-86.D Vial: 49
Signal #2 : D:\HPCHEM\5\20NOV96\C995-86.D\CONFIRM.D
Acq On : 22 Nov 96 00:56 AM Operator: JS
Sample : VHB / PB (15) Inst : ECD1
Misc : 15.4G/10ML 83% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:07 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1)	S Tetrachloro-m-xylen	4.05	6.43	17636	7113	70.749	36.424	#
				Recovery	=	176.87%	91.06%	
2)	S Decachlorobiphenyl	22.15	30.38	3356	3219	16.495	33.139	#
				Recovery	=	41.24%	82.85%	
	Target Compounds							
3)	M 2,4,4'-Trichlorobip	8.17	11.66	50889	38226	470.936	394.935	
4)	M 2,2',3,3',4,4'-Hexa	16.86	21.56	183612	146991	981.877	869.582	
5)	L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6)	L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7)	L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
	Total Aroclor-1016			0	0	N.D.	N.D.	
	Average Aroclor-1016					0.000	0.000	
8)	L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9)	L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10)	L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
	Total Aroclor-1221			0	0	N.D.	N.D.	
	Average Aroclor-1221					0.000	0.000	
11)	L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12)	L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13)	L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
	Total Aroclor-1232			0	0	N.D.	N.D.	
	Average Aroclor-1232					0.000	0.000	
14)	L4 Aroclor-1242	5.63	8.79	6174	3801	259.643	200.813	
15)	L4 Aroclor-1242 {2}	6.75	10.32	16292	14710	384.743	396.399	
16)	L4 Aroclor-1242 {3}	8.17	11.37	50889	7007	788.599	440.203	#
17)	L4 Aroclor-1242 (4)	8.55	11.66	11824	38226	438.423	756.756	#
18)	L4 Aroclor-1242 (5)	8.88	12.24	16730	9495	753.417	426.998	#
	Total Aroclor-1242			101909	73238	2624.825	2221.169	
	Average Aroclor-1242					524.965	444.234	
19)	L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20)	L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

Use it

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-86.D Vial: 49
Signal #2 : D:\HPCHEM\5\20NOV96\C995-86.D\CONFIRM.D
Acq On : 22 Nov 96 00:56 AM Operator: JS
Sample : VHB / PB7 (13) Inst : ECD1
Misc : 15.4G/10ML 83% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:07 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.01	17.17	276377	254007	7970.072	8129.262
23) L6 Aroclor-1254 {2}	13.36	17.55	497972	477766	6919.273	6919.935
24) L6 Aroclor-1254 {3}	13.85	17.98	247698	332972	7372.443	7642.225
25) L6 Aroclor-1254 (4)	14.19	18.50	357207	228160	7635.633	8133.225
26) L6 Aroclor-1254 (5)	15.74	20.03	475559	391706	8821.912	8934.658
Total Aroclor-1254			1854813	1684611	38719.333	39759.306
Average Aroclor-1254					7743.867	7951.861
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1262 - Use 2 pks

$$= \frac{1532 \times \frac{5}{2} \times 25}{15.4 \times 0.83} \simeq 7490$$

MRL = 260/390

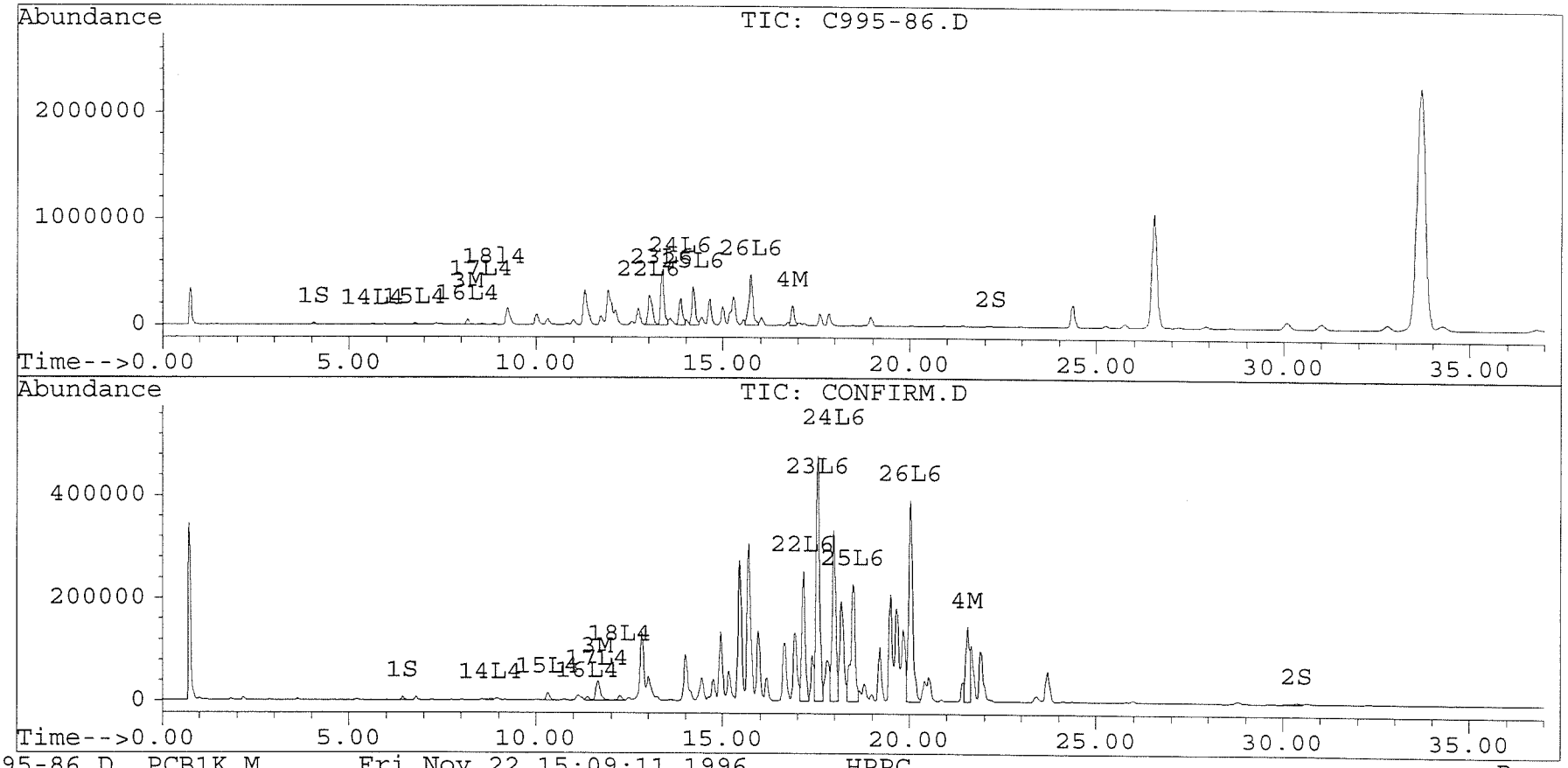
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\C995-86.D Vial: 49
Signal #2 : D:\HPCHEM\5\20NOV96\C995-86.D\CONFIRM.D
Acq On : 22 Nov 96 00:56 AM Operator: JS
Sample : VHB / PB7 (1) Inst : ECD1
Misc : 15.4G/~~10~~ML 83% SOLID 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 14:07 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0038.D Vial: 17
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0038.D\CONFIRM.D
Acq On : 25 Nov 96 02:58 AM Operator: JS
Sample : 8080,C995-86,10X,PB7 Inst : SB2
Misc : VHB/15.4G/25ML/83% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	0.00	6.43	0	674	N.D.	3.452	#
					Recovery	=	0.00%	8.63%	
2)	S	Decachlorobiphenyl	22.15	30.36	897	397	4.411m	4.090	
					Recovery	=	11.03%	10.23%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	0.00	11.65	0	4264	N.D.	44.054	#
4)	M	2,2',3,3',4,4'-Hexa	0.00	21.55	0	18309	N.D.	108.311	#
5)	L1	Aroclor-1016	0.00	8.80	0	459	N.D.	36.062	#
6)	L1	Aroclor-1016 {2}	0.00	10.32	0	2015	N.D.	71.503	#
7)	L1	Aroclor-1016 {3}	0.00	12.24	0	1155	N.D.	68.155	#
	Total	Aroclor-1016			0	3630	N.D.	175.719	
	Average	Aroclor-1016					0.000	58.573	
8)	L2	Aroclor-1221	0.00	8.02	0	157	N.D.	25.720	#
9)	L2	Aroclor-1221 {2}	0.00	8.56	0	242	N.D.	49.680	#
10)	L2	Aroclor-1221 {3}	0.00	8.80	0	459	N.D.	29.904	#
	Total	Aroclor-1221			0	859	N.D.	105.303	
	Average	Aroclor-1221					0.000	35.101	
11)	L3	Aroclor-1232	0.00	8.80	0	459	N.D.	32.036	#

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0038.D Vial: 17
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0038.D\CONFIRM.D
Acq On : 25 Nov 96 02:58 AM Operator: JS
Sample : 8080,C995-86,10X,PB7 Inst : SB2
Misc : VHB/15.4G/25ML/83% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
12) L3	Aroclor-1232 {2}	0.00	10.32	0	2015	N.D.	167.736 #
13) L3	Aroclor-1232 {3}	0.00	12.24	0	1155	N.D.	166.614 #
Total	Aroclor-1232			0	3630	N.D.	366.386
Average	Aroclor-1232					0.000	122.129
14) L4	Aroclor-1242	5.64	8.80	699	459	29.398m	24.253
15) L4	Aroclor-1242 {2}	6.75	10.32	2217	2015	52.354m	54.304
16) L4	Aroclor-1242 {3}	8.16	11.37	5767	878	89.368m	55.149 #
17) L4	Aroclor-1242 (4)	8.55	11.65	1370	4264	50.797m	84.414 #
18) L4	Aroclor-1242 (5)	8.88	12.24	1759	1155	79.216m	51.959 #
Total	Aroclor-1242			11812	8771	301.133	270.078
Average	Aroclor-1242					60.227	54.016
19) L5	Aroclor-1248	0.00	14.95	0	18192	N.D.	907.285 #
20) L5	Aroclor-1248 {2}	0.00	15.17	0	6904	N.D.	334.622 #
21) L5	Aroclor-1248 {3}	0.00	16.17	0	4820	N.D.	311.448 #
Total	Aroclor-1248			0	29915	N.D.	1553.355
Average	Aroclor-1248					0.000	517.785
22) L6	Aroclor-1254	13.01	17.16	39507	36189	1139.292m	1158.181
23) L6	Aroclor-1254 {2}	13.35	17.55	76707	73453	1065.837m	1063.891
24) L6	Aroclor-1254 {3}	13.84	17.98	37611	47431	1119.448m	1088.622
25) L6	Aroclor-1254 (4)	14.19	18.50	50145	34601	1071.896m	1233.436

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0038.D Vial: 17
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0038.D\CONFIRM.D
Acq On : 25 Nov 96 02:58 AM Operator: JS
Sample : 8080,C995-86,10X,PB7 Inst : SB2
Misc : VHB/15.4G/25ML/83% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
26) L6 Aroclor-1254 (5)	15.74	20.03	70099	57026	1300.379m	1300.739
Total Aroclor-1254			274069	248700	5696.852	5844.870
Average Aroclor-1254					1139.370	1168.974
27) L7 Aroclor-1260	0.00	18.18	0	30166	N.D.	928.541 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	34601	N.D.	941.607 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	11598	N.D.	214.201 #
Total Aroclor-1260			0	76365	N.D.	2084.349
Average Aroclor-1260					0.000	694.783
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	154	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1254 = $\frac{5697 \times 10 \times 25}{15.4 \times 0.83}$ = 11,426

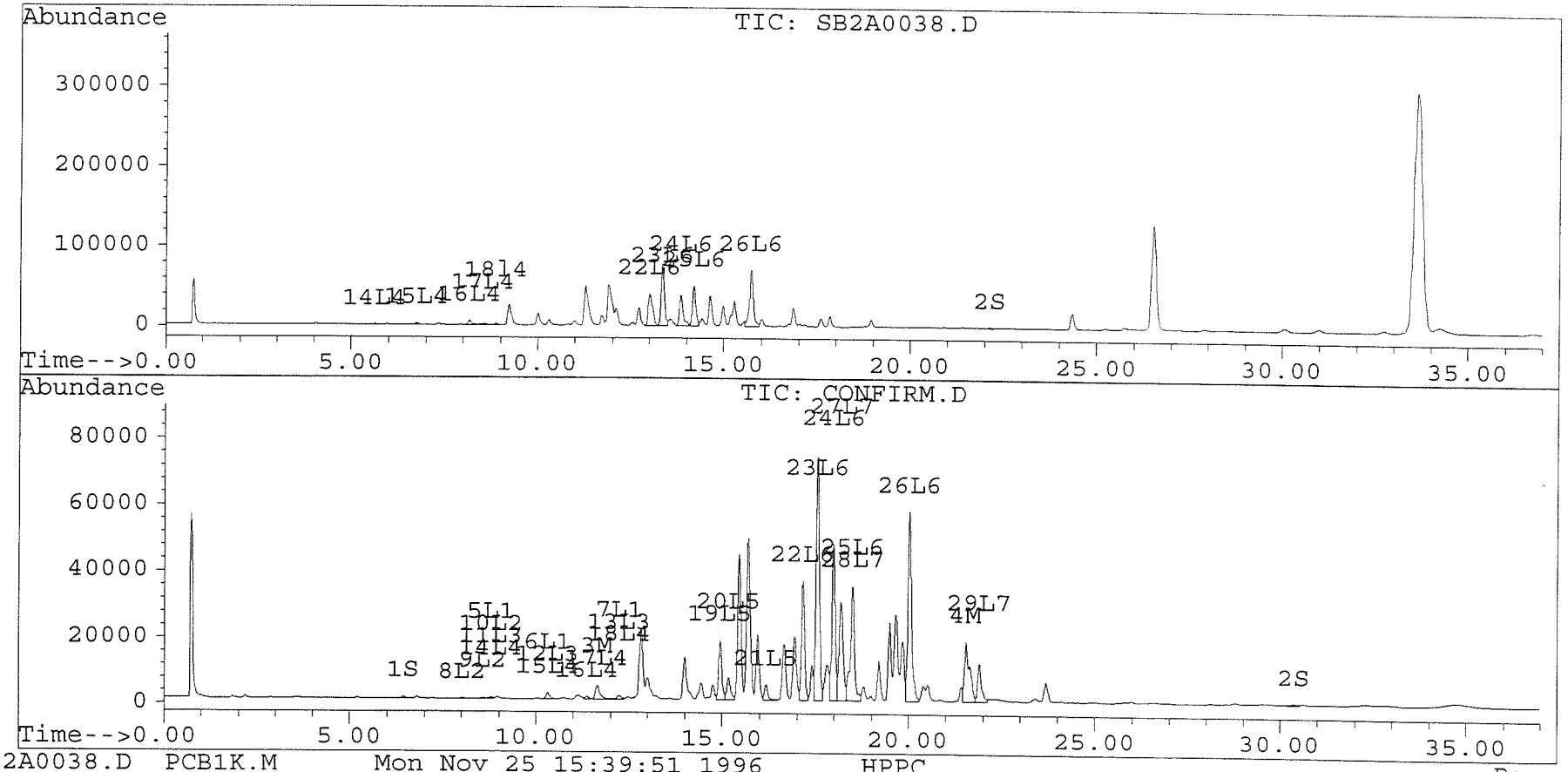
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0038.D Vial: 17
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0038.D\CONFIRM.D
Acq On : 25 Nov 96 02:58 AM Operator: JS
Sample : 8080,C995-86,10X,PB7 Inst : SB2
Misc : VHB/15.4G/25ML/83% SOLID Multiplr: 1.00
Quant Time: Nov 25 15:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



SB2A0038.D PCB1K.M Mon Nov 25 15:39:51 1996 HPPC

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0004.D Vial: 79
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0004.D\CONFIRM.D
Acq On : 22 Nov 96 06:13 PM Operator: JS
Sample : VHB,C0995-87,PB8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

80% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10145	8150	40.697m	41.737m
				Recovery	=	101.74%	104.34%
2) S	Decachlorobiphenyl	22.16	30.38	7887	3634	38.767m	37.413
				Recovery	=	96.92%	93.53%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.16	11.65	141636	106314	1310.722	1098.398
4) M	2,2',3,3',4,4'-Hexa	16.88	21.56	27467	18868	146.882m	111.619
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.79	14669	8438	616.948	445.759 #
15) L4	Aroclor-1242 {2}	6.75	10.31	37262	32970	879.934	888.477
16) L4	Aroclor-1242 {3}	8.16	11.37	141636	18700	2194.851	1174.878
17) L4	Aroclor-1242 (4)	8.55	11.65	23448	106314	869.413	2104.700 #
18) L4	Aroclor-1242 (5)	8.87	12.24	48496	19985	2184.011	898.793 #
Total	Aroclor-1242			265511	186407	6745.157	5512.607
Average	Aroclor-1242					1349.031	1102.521
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0004.D Vial: 79
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0004.D\CONFIRM.D
Acq On : 22 Nov 96 06:13 PM Operator: JS
Sample : VHB,C0995-87,PB8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.02	17.17	43559	39556	1256.140	1265.942
23) L6	Aroclor-1254 {2}	13.35	17.55	85342	77444	1185.822	1121.688
24) L6	Aroclor-1254 {3}	13.85	17.98	38198	63635	1136.913	1460.528
25) L6	Aroclor-1254 (4)	14.19	18.50	68421	32373	1462.555	1153.993
26) L6	Aroclor-1254 (5)	15.74	20.04	67620	56339	1254.384	1285.071
Total	Aroclor-1254			303139	269346	6295.814	6287.222
Average	Aroclor-1254					1259.163	1257.444
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000
30) L8	Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8	Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8	Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1268			0	0	N.D.	N.D.
Average	Aroclor-1268					0.000	0.000

MRL = 200/400

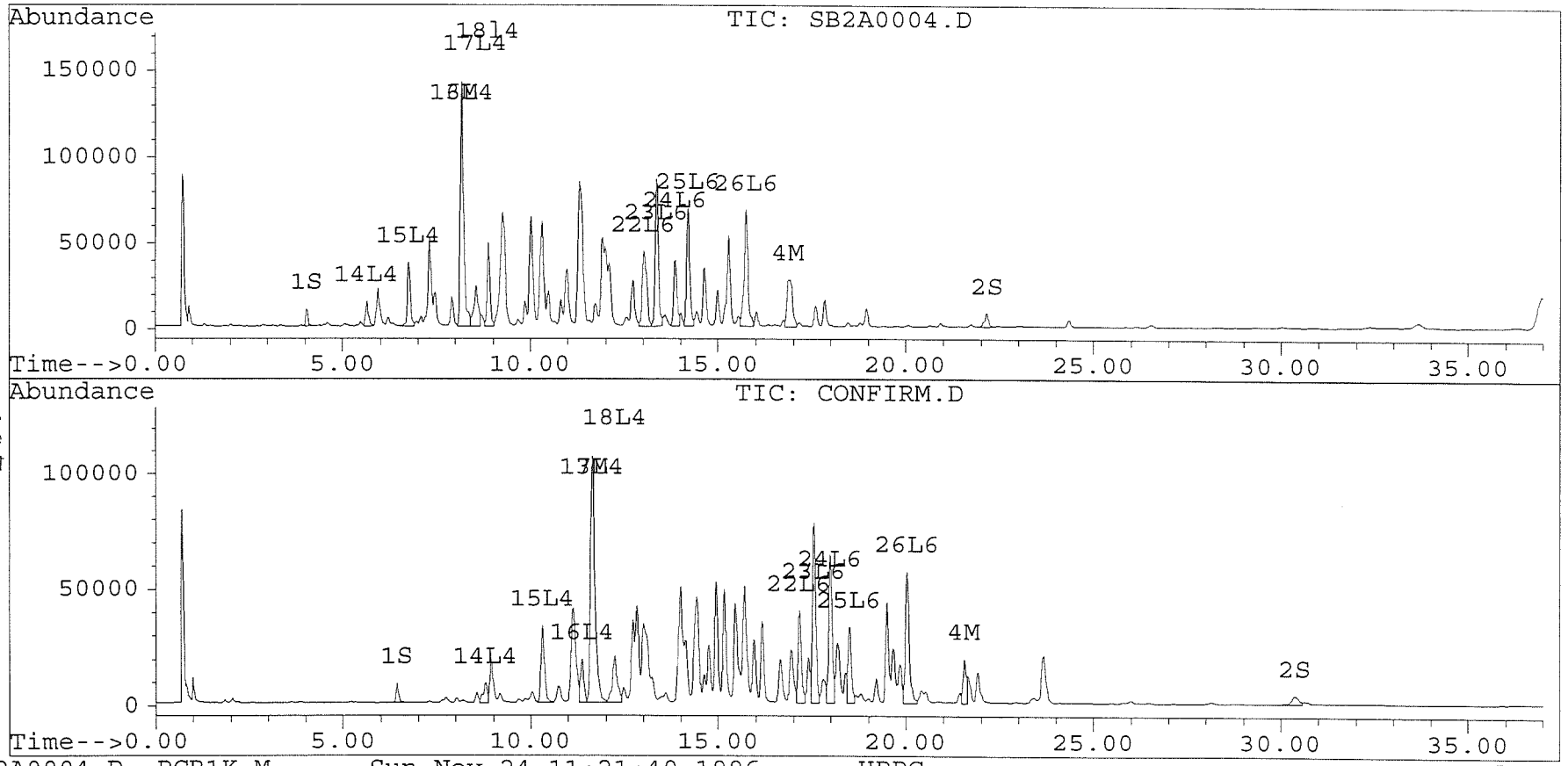
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0004.D Vial: 79
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0004.D\CONFIRM.D
Acq On : 22 Nov 96 06:13 PM Operator: JS
Sample : VHB,C0995-87,PB8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:12 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



495

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0039.D Vial: 18
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0039.D\CONFIRM.D
Acq On : 25 Nov 96 03:39 AM Operator: JS
Sample : 8080,C995-87,2X,PB8 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4211	3789	16.891m	19.406
				Recovery	=	42.23%	48.52%
2) S	Decachlorobiphenyl	22.15	30.37	4729	1819	23.241m	18.726
				Recovery	=	58.10%	46.82%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	11.65	0	56681	N.D.	585.604 #
4) M	2,2',3,3',4,4'-Hexa	0.00	21.56	0	9114	N.D.	53.919 #
5) L1	Aroclor-1016	0.00	8.79	0	4406	N.D.	346.087 #
6) L1	Aroclor-1016 {2}	0.00	10.31	0	18107	N.D.	642.484 #
7) L1	Aroclor-1016 {3}	0.00	12.24	0	10378	N.D.	612.216 #
Total	Aroclor-1016			0	32891	N.D.	1600.786
Average	Aroclor-1016					0.000	533.595
8) L2	Aroclor-1221	0.00	8.02	0	989	N.D.	161.755 #
9) L2	Aroclor-1221 {2}	0.00	8.56	0	2265	N.D.	464.443 #
10) L2	Aroclor-1221 {3}	0.00	8.79	0	4406	N.D.	286.983 #
Total	Aroclor-1221			0	7660	N.D.	913.181
Average	Aroclor-1221					0.000	304.394
11) L3	Aroclor-1232	0.00	8.79	0	4406	N.D.	307.445 #
12) L3	Aroclor-1232 {2}	0.00	10.31	0	18107	N.D.	1507.190 #
13) L3	Aroclor-1232 {3}	0.00	12.24	0	10378	N.D.	1496.645 #
Total	Aroclor-1232			0	32891	N.D.	3311.280
Average	Aroclor-1232					0.000	1103.760
14) L4	Aroclor-1242	5.63	8.79	7377	4406	310.253m	232.756
15) L4	Aroclor-1242 {2}	6.75	10.31	20080	18107	474.184m	487.943
16) L4	Aroclor-1242 {3}	8.16	11.37	74250	9775	1150.612m	614.111 #
17) L4	Aroclor-1242 (4)	8.55	11.65	12079	56681	447.868m	1122.107 #
18) L4	Aroclor-1242 (5)	8.87	12.24	24288	10378	1093.808m	466.729 #
Total	Aroclor-1242			138074	99346	3476.725	2923.647
Average	Aroclor-1242					695.345	584.729
19) L5	Aroclor-1248	0.00	14.95	0	27498	N.D.	1371.418 #
20) L5	Aroclor-1248 {2}	0.00	15.16	0	25530	N.D.	1237.435 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0039.D Vial: 18
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0039.D\CONFIRM.D
Acq On : 25 Nov 96 03:39 AM Operator: JS
Sample : 8080,C995-87,2X,PB8 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	18705	N.D.	1208.759 #
Total Aroclor-1248			0	71733	N.D.	3817.612
Average Aroclor-1248					0.000	1272.537
22) L6 Aroclor-1254	13.01	17.16	21887	20150	631.171m	644.875
23) L6 Aroclor-1254 {2}	13.35	17.55	44846	41547	623.131m	601.757
24) L6 Aroclor-1254 {3}	13.84	17.98	19956	32575	593.967m	747.642 #
25) L6 Aroclor-1254 (4)	14.19	18.50	34619	17020	740.013m	606.707
26) L6 Aroclor-1254 (5)	15.74	20.03	34463	28454	639.309m	649.032
Total Aroclor-1254			155771	139745	3227.593	3250.014
Average Aroclor-1254					645.519	650.003
27) L7 Aroclor-1260	0.00	18.18	0	14005	N.D.	431.083 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	17020	N.D.	463.161 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	7212	N.D.	133.201 #
Total Aroclor-1260			0	38237	N.D.	1027.445
Average Aroclor-1260					0.000	342.482
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.13	0	462	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2pks

$\frac{2244 \times \frac{5}{2} \times 25 \times 2}{15.5 \times 0.80} = 22620$

AR1254 =

$\frac{3228 \times 2 \times 25}{15.5 \times 0.80} = 13,020$

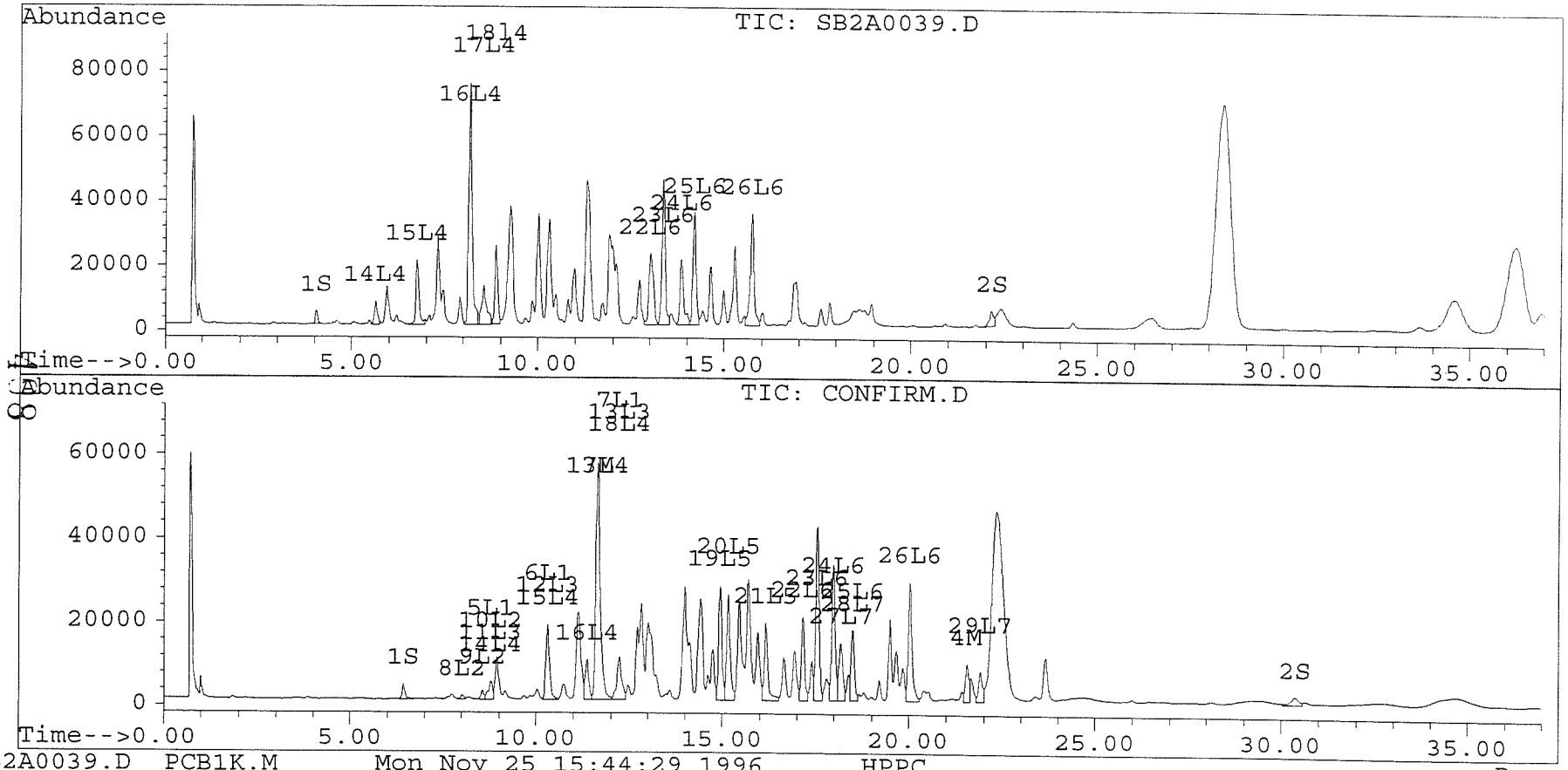
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0039.D PCB1K.M Mon Nov 25 15:43:43 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0039.D Vial: 18
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0039.D\CONFIRM.D
Acq On : 25 Nov 96 03:39 AM Operator: JS
Sample : 8080,C995-87,2X,PB8 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0005.D Vial: 80
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0005.D\CONFIRM.D
Acq On : 22 Nov 96 06:53 PM Operator: JS
Sample : VHB,C0995-88,PB9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:20 1996

93% solid

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.44	9772	8212	39.199	42.056	
				Recovery	=	98.00%	105.14%	
2) S	Decachlorobiphenyl	22.16	30.38	7682	3495	37.757m	35.982	
				Recovery	=	94.39%	89.96%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	26669	19705	246.796	203.588	
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	6816	4915	36.452	29.077	
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.64	8.79	2226	969	93.621	51.185	#
15) L4	Aroclor-1242 {2}	6.75	10.32	6053	5552	142.944	149.613	
16) L4	Aroclor-1242 {3}	8.17	11.37	26669	2737	413.269	171.989	#
17) L4	Aroclor-1242 (4)	8.55	11.66	3771	19705	139.839	390.105	#
18) L4	Aroclor-1242 (5)	8.88	12.24	7991	3415	359.893	153.572	#
Total	Aroclor-1242			46711	32378	1149.566	916.465	
Average	Aroclor-1242					229.913	183.293	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0005.D PCB1K.M Sun Nov 24 11:22:00 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0005.D Vial: 80
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0005.D\CONFIRM.D
Acq On : 22 Nov 96 06:53 PM Operator: JS
Sample : VHB,C0995-88,PB9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	10889	9639	314.012	308.473
23) L6 Aroclor-1254 {2}	13.36	17.56	23712	21945	329.476	317.846
24) L6 Aroclor-1254 {3}	13.85	17.99	11348	15660	337.768	359.415
25) L6 Aroclor-1254 (4)	14.19	18.50	17088	9958	365.275	354.959
26) L6 Aroclor-1254 (5)	15.74	20.04	20100	16629	372.861	379.299
Total Aroclor-1254			83137	73829	1719.392	1719.991
Average Aroclor-1254					343.878	343.998
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$$\frac{773 \times \frac{5}{2} \times 25}{15.5 \times 0.93} = 3350$$

AR 1242 =

$$\frac{1719 \times 25}{15.5 \times 0.93} = 2980$$

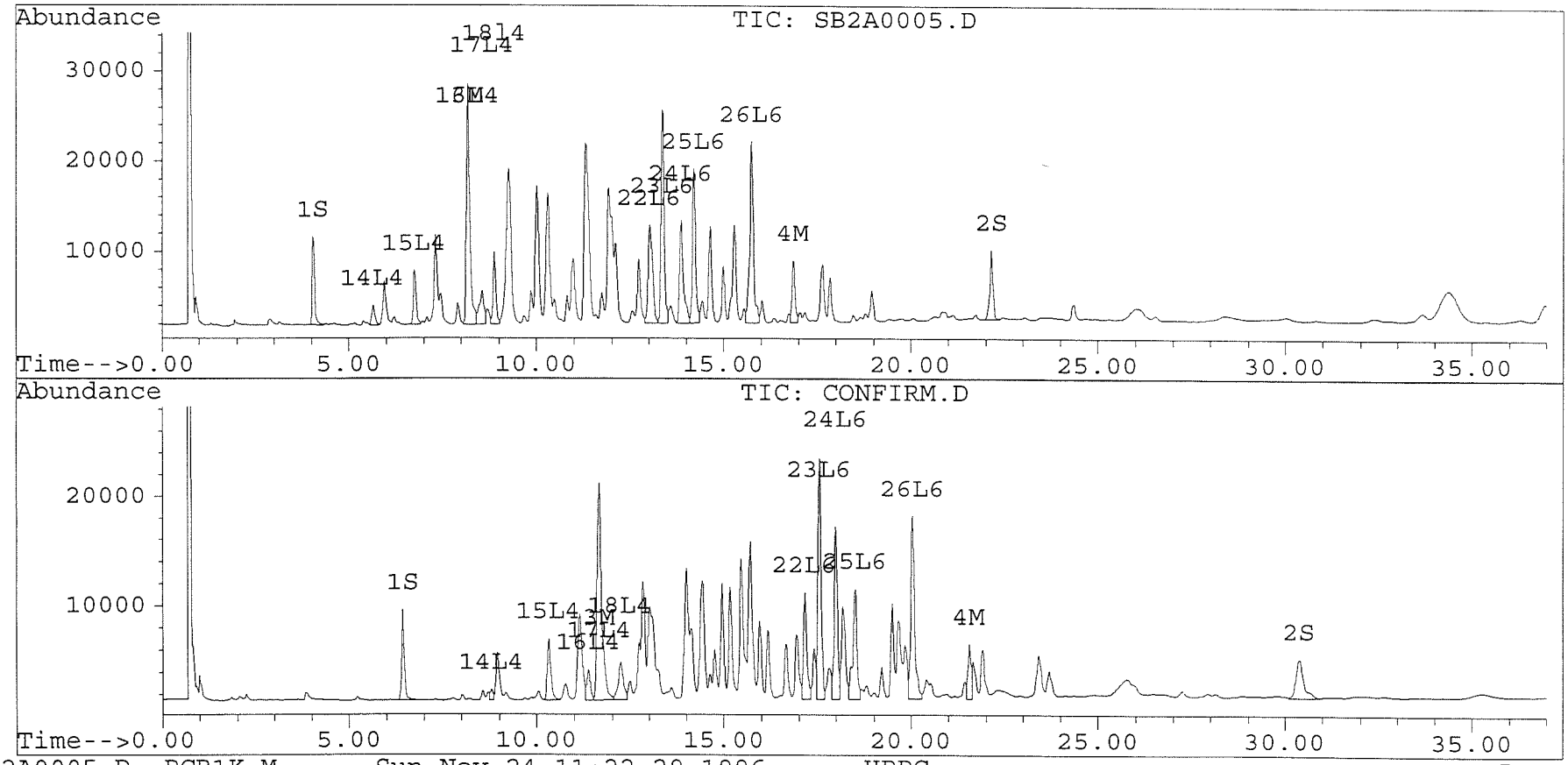
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0005.D Vial: 80
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0005.D\CONFIRM.D
Acq On : 22 Nov 96 06:53 PM Operator: JS
Sample : VHB,C0995-88,PB9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



SB2A0005.D PCB1K.M Sun Nov 24 11:22:29 1996 HPPC

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0040.D Vial: 19
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0040.D\CONFIRM.D
Acq On : 25 Nov 96 04:19 AM Operator: JS
Sample : 8080,C995-88,2X,PB9 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4725	3934	18.956m	20.148
				Recovery	=	47.39%	50.37%
2) S	Decachlorobiphenyl	22.15	30.17f	3883	4754	19.086m	48.949m#
				Recovery	=	47.72%	122.37%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	11.66	0	10048	N.D.	103.816 #
4) M	2,2',3,3',4,4'-Hexa	0.00	21.56	0	2584	N.D.	15.285 #
5) L1	Aroclor-1016	0.00	8.79	0	514	N.D.	40.405 #
6) L1	Aroclor-1016 {2}	0.00	10.32	0	3080	N.D.	109.274 #
7) L1	Aroclor-1016 {3}	0.00	12.23	0	1823	N.D.	107.532 #
Total	Aroclor-1016			0	5417	N.D.	257.211
Average	Aroclor-1016					0.000	85.737
8) L2	Aroclor-1221	0.00	8.02	0	252	N.D.	41.224 #
9) L2	Aroclor-1221 {2}	0.00	8.56	0	455	N.D.	93.330 #
10) L2	Aroclor-1221 {3}	0.00	8.79	0	514	N.D.	33.505 #
Total	Aroclor-1221			0	1222	N.D.	168.059
Average	Aroclor-1221					0.000	56.020
11) L3	Aroclor-1232	0.00	8.79	0	514	N.D.	35.894 #
12) L3	Aroclor-1232 {2}	0.00	10.32	0	3080	N.D.	256.344 #
13) L3	Aroclor-1232 {3}	0.00	12.23	0	1823	N.D.	262.877 #
Total	Aroclor-1232			0	5417	N.D.	555.114
Average	Aroclor-1232					0.000	185.038
14) L4	Aroclor-1242	5.64	8.79	1154	514	48.533m	27.174 #
15) L4	Aroclor-1242 {2}	6.75	10.32	3341	3080	78.897m	82.990
16) L4	Aroclor-1242 {3}	8.17	11.37	13785	1470	213.619m	92.382 #
17) L4	Aroclor-1242 (4)	8.55	11.66	2039	10048	75.603m	198.928 #
18) L4	Aroclor-1242 (5)	8.87	12.23	4000	1823	180.140m	81.978 #
Total	Aroclor-1242			24319	16936	596.791	483.452
Average	Aroclor-1242					119.358	96.690
19) L5	Aroclor-1248	0.00	14.95	0	5446	N.D.	271.590 #
20) L5	Aroclor-1248 {2}	0.00	15.17	0	5238	N.D.	253.903 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0040.D PCB1K.M Mon Nov 25 15:47:26 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0040.D Vial: 19
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0040.D\CONFIRM.D
Acq On : 25 Nov 96 04:19 AM Operator: JS
Sample : 8080,C995-88,2X,PB9 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

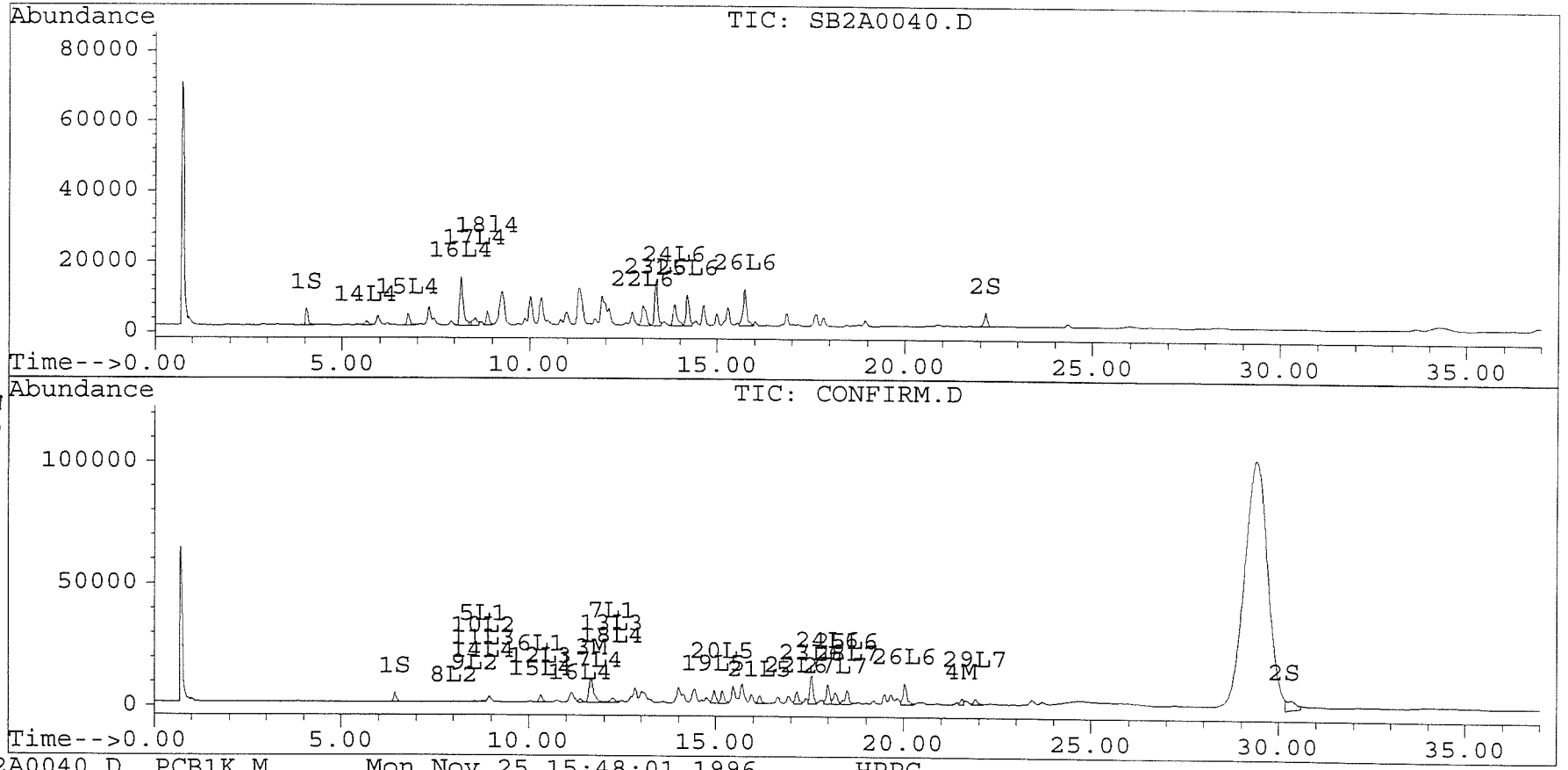
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	3128	N.D.	202.152 #
Total Aroclor-1248			0	13812	N.D.	727.645
Average Aroclor-1248					0.000	242.548
22) L6 Aroclor-1254	13.01	17.16	5569	5037	160.597m	161.218
23) L6 Aroclor-1254 {2}	13.35	17.55	12503	11797	173.728m	170.861
24) L6 Aroclor-1254 {3}	13.85	17.98	6078	8149	180.905m	187.031
25) L6 Aroclor-1254 (4)	14.19	18.50	8787	5388	187.830m	192.066
26) L6 Aroclor-1254 (5)	15.74	20.04	10359	8568	192.166m	195.444
Total Aroclor-1254			43296	38939	895.226	906.620
Average Aroclor-1254					179.045	181.324
27) L7 Aroclor-1260	0.00	18.18	0	4623	N.D.	142.310 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	5388	N.D.	146.623 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	2441	N.D.	45.074 #
Total Aroclor-1260			0	12452	N.D.	334.007
Average Aroclor-1260					0.000	111.336
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	28.12	0	305	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0040.D Vial: 19
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0040.D\CONFIRM.D
Acq On : 25 Nov 96 04:19 AM Operator: JS
Sample : 8080,C995-88,2X,PB9 Inst : SB2
Misc : VHB/15.5G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0006.D Vial: 81
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0006.D\CONFIRM.D
Acq On : 22 Nov 96 07:34 PM Operator: JS
Sample : VHB,C0995-89,PC7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

88% solved

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9969	7904	39.991	40.478
				Recovery	=	99.98%	101.20%
2) S	Decachlorobiphenyl	22.16	30.38	8052	3640	39.577m	37.477
				Recovery	=	98.94%	93.69%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.65	164534	123439	1522.631	1275.326
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	35109	23674	187.747	140.052 #
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.79	15012	8626	631.346	455.710 #
15) L4	Aroclor-1242 {2}	6.75	10.31	44467	39486	1050.078	1064.066
16) L4	Aroclor-1242 {3}	8.17	11.37	164534	22455	2549.700	1410.791
17) L4	Aroclor-1242 (4)	8.55	11.65	30463	123439	1129.515	2443.721
18) L4	Aroclor-1242 (5)	8.87	12.24	55333	26114	2491.927	1174.434
Total	Aroclor-1242			309809	220120	7852.567	6548.722
Average	Aroclor-1242					1570.513	1309.744
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0006.D Vial: 81
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0006.D\CONFIRM.D
Acq On : 22 Nov 96 07:34 PM Operator: JS
Sample : VHB,C0995-89,PC7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	52388	47040	1510.750	1505.485
23) L6 Aroclor-1254 {2}	13.36	17.55	101342	96291	1408.138	1394.680
24) L6 Aroclor-1254 {3}	13.85	17.98	51740	69336	1539.994	1591.373
25) L6 Aroclor-1254 (4)	14.19	18.50	73903	44992	1579.741	1603.833
26) L6 Aroclor-1254 (5)	15.74	20.04	86927	71072	1612.543	1621.114
Total Aroclor-1254			366300	328732	7651.165	7716.485
Average Aroclor-1254					1530.233	1543.297
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL= 190/370

596

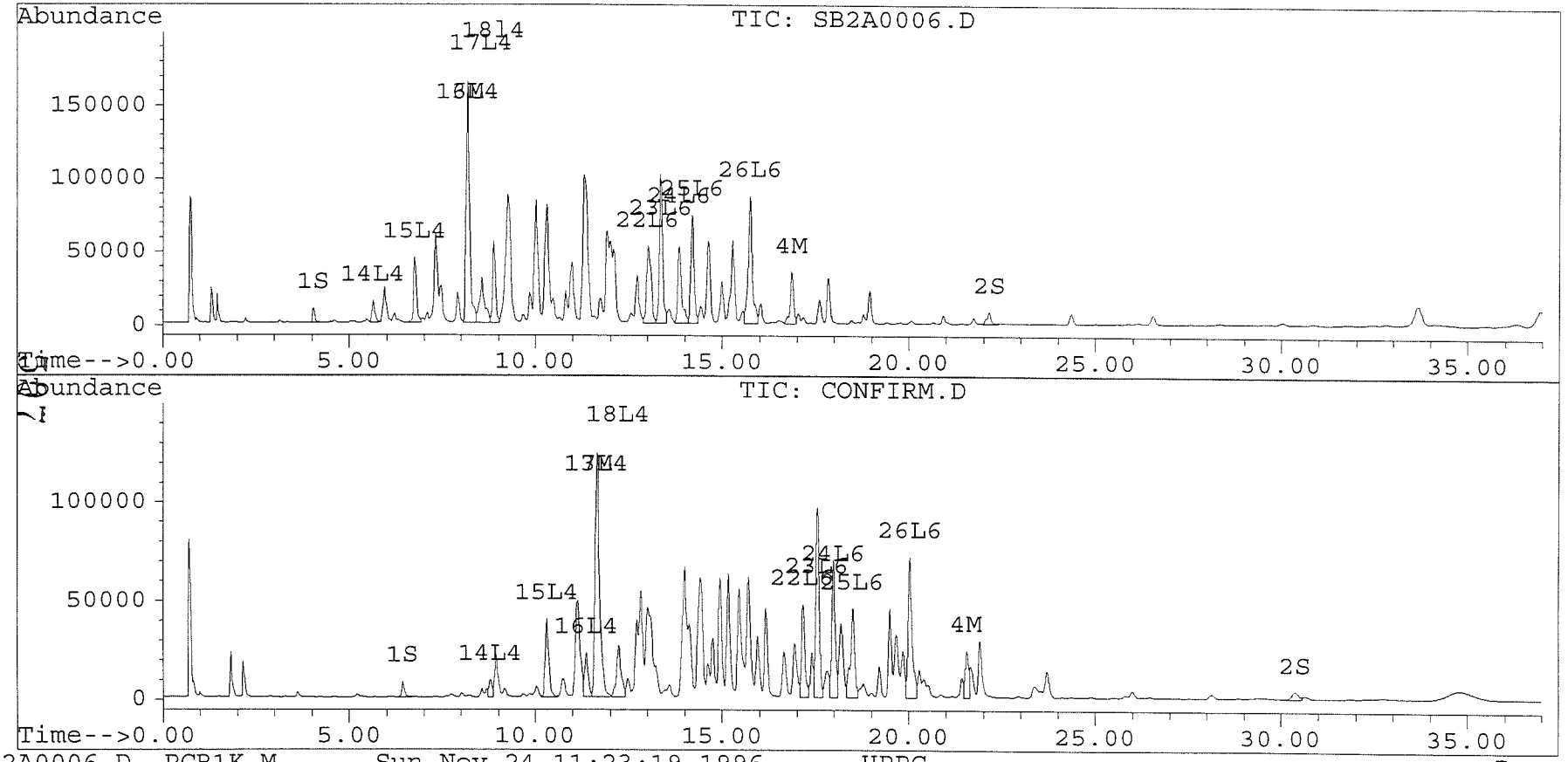
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0006.D Vial: 81
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0006.D\CONFIRM.D
Acq On : 22 Nov 96 07:34 PM Operator: JS
Sample : VHB,C0995-89,PC7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0243.D Vial: 55
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0243.D\CONFIRM.D
Acq On : 01 Dec 96 10:12 AM Operator: JS
Sample : VHB,C0995-89, PC7 Inst : SB2
Misc : 15.3g,25mL, 88% Solid, 3 Dilution Multiplr: 1.00
Quant Time: Dec 2 16:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	2018	1550	10.438	10.070
				Recovery	=	26.10%	25.18%
2) S	Decachlorobiphenyl	22.09	30.25	2110	1140	13.335	15.397
				Recovery	=	33.34%	38.49%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	43743	31541	585.905	477.106
4) M	2,2',3,3',4,4'-Hexa	16.79	21.51	8033	5118	61.815	42.117 #
5) L1	Aroclor-1016	6.70	8.75	12221	2117	496.994	223.500 #
6) L1	Aroclor-1016 {2}	8.82	10.26	13219	10627	1102.010	500.509 #
7) L1	Aroclor-1016 {3}	9.20	12.19	23755	6385	1243.650	530.698 #
Total	Aroclor-1016			49195	19129	2842.654	1254.708
Average	Aroclor-1016					947.551	418.236
8) L2	Aroclor-1221	5.08f	7.97f	235	395	33.530	64.577 #
9) L2	Aroclor-1221 {2}	5.42f	0.00	545	0	93.469	N.D. #
10) L2	Aroclor-1221 {3}	5.59f	8.75f	3715	2117	183.865	137.913
Total	Aroclor-1221			4495	2512	310.863	202.490
Average	Aroclor-1221					103.621	101.245
11) L3	Aroclor-1232	5.59f	8.75f	3715	2117	203.677	147.746 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			3715	2117	203.677	147.746
Average	Aroclor-1232					203.677	147.746
14) L4	Aroclor-1242	5.59	8.75	3715	2117	232.964	163.933 #
15) L4	Aroclor-1242 {2}	6.70	10.26	12221	10627	412.671	415.319
16) L4	Aroclor-1242 {3}	8.11	11.32	43743	5464	1051.923	508.946 #
17) L4	Aroclor-1242 (4)	8.49	11.61	7468	31541	432.945	971.623 #
18) L4	Aroclor-1242 (5)	8.82	12.19	13219	6385	941.596	445.560 #
Total	Aroclor-1242			80366	56134	3072.100	2505.381
Average	Aroclor-1242					614.420	501.076
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

508

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0243.D Vial: 55
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0243.D\CONFIRM.D
Acq On : 01 Dec 96 10:12 AM Operator: JS
Sample : VHB,C0995-89, PC7 Inst : SB2
Misc : 15.3g,25mL, 88% Solid, 5X Dilution Multiplr: 1.00
Quant Time: Dec 2 16:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	12118	10691	517.023	509.082
23) L6 Aroclor-1254 {2}	13.29	17.50	25947	23930	528.567	505.892
24) L6 Aroclor-1254 {3}	13.78	17.93	13078	17225	564.478	600.494
25) L6 Aroclor-1254 (4)	14.13	18.45	18746	11228	617.432	581.200
26) L6 Aroclor-1254 (5)	15.67	19.98	21700	17164	595.920	574.790
Total Aroclor-1254			91590	80237	2823.420	2771.459
Average Aroclor-1254					564.684	554.292
27) L7 Aroclor-1260	13.78	18.13	13078	9402	514.811	391.093
28) L7 Aroclor-1260 {2}	14.56	18.45	13702	11228	473.995	416.725
29) L7 Aroclor-1260 {3}	17.77	21.86	7140	6673	176.827	163.476
Total Aroclor-1260			33920	27303	1165.634	971.294
Average Aroclor-1260					388.545	323.765
30) L8 Aroclor-1268	18.88	23.32	5207	1619	NoCal	376.902 #
31) L8 Aroclor-1268 {2}	0.00	23.48f	0	1175	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	1619	N.D.	376.902
Average Aroclor-1268					0.000	376.902

$\frac{1994 \times \frac{5}{2} \times 25 \times 5}{15.3 \times 0.88} = \frac{37,000}{28,000}$

$\frac{2771 \times 25 \times 5}{15.3 \times 0.88} = 15,400$

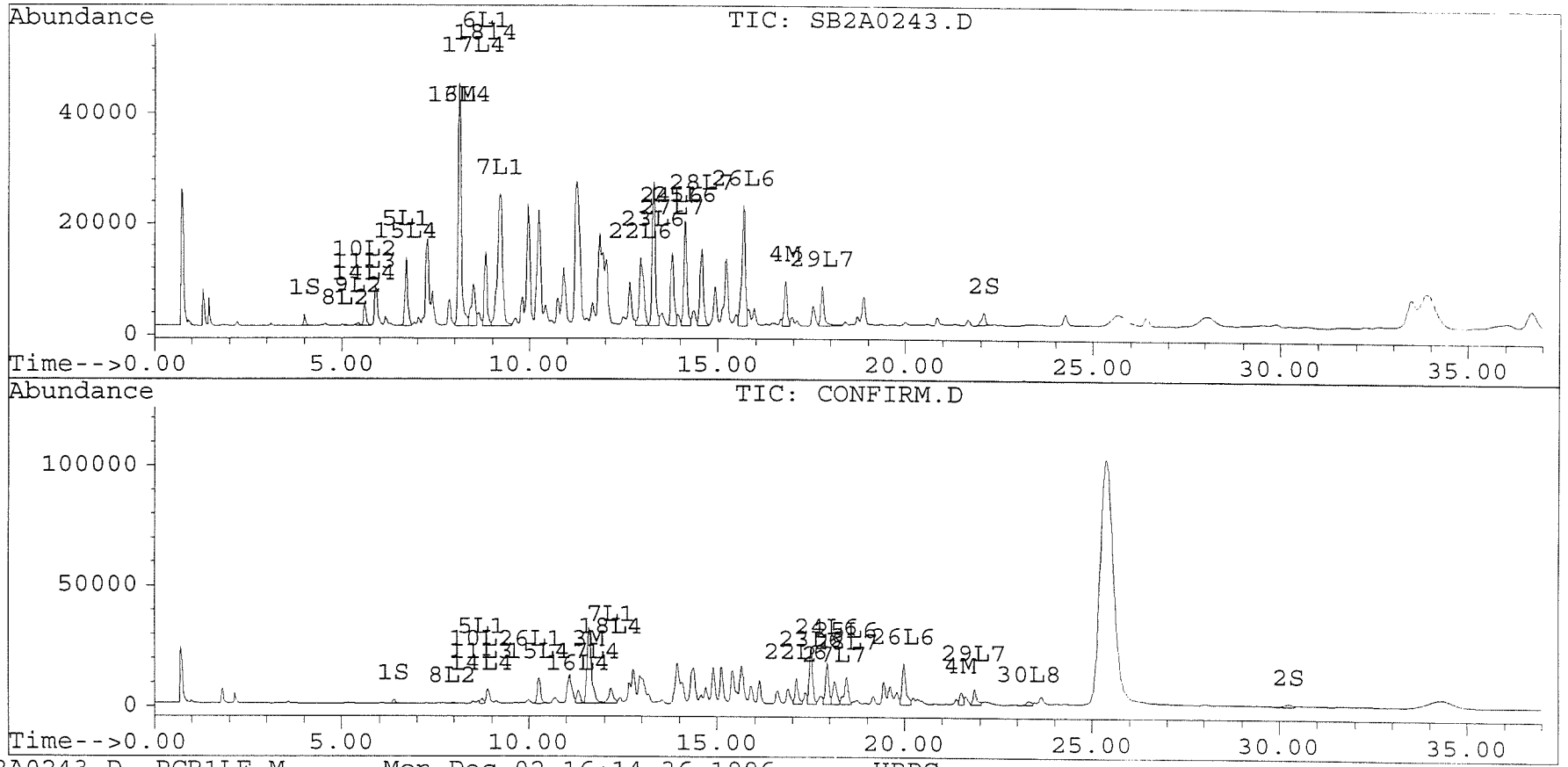
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0243.D PCB1LE.M Mon Dec 02 16:14:04 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0243.D Vial: 55
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0243.D\CONFIRM.D
Acq On : 01 Dec 96 10:12 AM Operator: JS
Sample : VHB,C0995-89, PC7 Inst : SB2
Misc : 15.3g,25mL, 88% Solid, 4X Dilution Multiplr: 1.00
Quant Time: Dec 2 16:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0041.D Vial: 20
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0041.D\CONFIRM.D
Acq On : 25 Nov 96 05:00 AM Operator: JS
Sample : 8080,G995-90,2X,PC8 Inst : SB2
Misc : VHB/15.2G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	4762	4036	19.104m	20.670
				Recovery	=	47.76%	51.68%
2) S	Decachlorobiphenyl	22.15	30.37	4377	2048	21.514m	21.086
				Recovery	=	53.79%	52.72%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	11.65	0	53420	N.D.	551.916 #
4) M	2,2',3,3',4,4'-Hexa	0.00	21.55	0	10832	N.D.	64.084 #
5) L1	Aroclor-1016	0.00	8.79	0	6065	N.D.	476.445 #
6) L1	Aroclor-1016 (2)	0.00	10.31	0	22719	N.D.	806.118 #
7) L1	Aroclor-1016 (3)	0.00	12.24	0	11752	N.D.	693.247 #
Total	Aroclor-1016			0	40536	N.D.	1975.810
Average	Aroclor-1016					0.000	658.603
8) L2	Aroclor-1221	0.00	8.02	0	1192	N.D.	194.910 #
9) L2	Aroclor-1221 (2)	0.00	8.56	0	2659	N.D.	545.228 #
10) L2	Aroclor-1221 (3)	0.00	8.79	0	6065	N.D.	395.079 #
Total	Aroclor-1221			0	9917	N.D.	1135.217
Average	Aroclor-1221					0.000	378.406
11) L3	Aroclor-1232	0.00	8.79	0	6065	N.D.	423.249 #
12) L3	Aroclor-1232 (2)	0.00	10.31	0	22719	N.D.	1891.058 #
13) L3	Aroclor-1232 (3)	0.00	12.24	0	11752	N.D.	1694.736 #
Total	Aroclor-1232			0	40536	N.D.	4009.042
Average	Aroclor-1232					0.000	1336.347
14) L4	Aroclor-1242	5.63	8.79	9550	6065	401.642m	320.427
15) L4	Aroclor-1242 (2)	6.74	10.31	25515	22719	602.531m	612.218
16) L4	Aroclor-1242 (3)	8.16	11.37	69759	11807	1081.017m	741.810 #
17) L4	Aroclor-1242 (4)	8.55	11.65	13674	53420	507.008m	1057.556 #
18) L4	Aroclor-1242 (5)	8.87	12.24	24071	11752	1084.035m	528.504 #
Total	Aroclor-1242			142569	105763	3676.233	3260.515
Average	Aroclor-1242					735.247	652.103
19) L5	Aroclor-1248	0.00	14.94	0	38232	N.D.	1906.724 #
20) L5	Aroclor-1248 (2)	0.00	15.16	0	28706	N.D.	1391.383 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0041.D PCB1K.M Mon Nov 25 15:51:19 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0041.D Vial: 20
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0041.D\CONFIRM.D
Acq On : 25 Nov 96 05:00 AM Operator: JS
Sample : 8080,C995-90,2X,PC8 Inst : SB2
Misc : VHB/15.2G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	16.17	0	20394	N.D.	1317.885 #
Total Aroclor-1248			0	87332	N.D.	4615.992
Average Aroclor-1248					0.000	1538.664
22) L6 Aroclor-1254	13.01	17.16	32660	29307	941.840m	937.954
23) L6 Aroclor-1254 {2}	13.35	17.55	61264	57844	851.258m	837.806
24) L6 Aroclor-1254 {3}	13.84	17.98	25678	45874	764.276m	1052.879 #
25) L6 Aroclor-1254 (4)	14.19	18.50	49157	20100	1050.776m	716.493 #
26) L6 Aroclor-1254 (5)	15.73	20.03	41895	33767	777.178m	770.212
Total Aroclor-1254			210654	186892	4385.328	4315.345
Average Aroclor-1254					877.066	863.069
27) L7 Aroclor-1260	0.00	18.18	0	16618	N.D.	511.508 #
28) L7 Aroclor-1260 {2}	0.00	18.50	0	20100	N.D.	546.971 #
29) L7 Aroclor-1260 {3}	0.00	21.91	0	5983	N.D.	110.509 #
Total Aroclor-1260			0	42701	N.D.	1168.988
Average Aroclor-1260					0.000	389.663
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.	N.D.
31) L8 Aroclor-1268 {2}	0.00	23.53	0	3175	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	28.12	0	1022	N.D.	NoCal
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 peaks

$$\frac{2165 \times \frac{5}{2} \times 2 \times 25}{15.2 \times 0.86} = 2050$$

AR1254 =

$$\frac{4315 \times 25 \times 2}{15.2 \times 0.86} =$$

16200

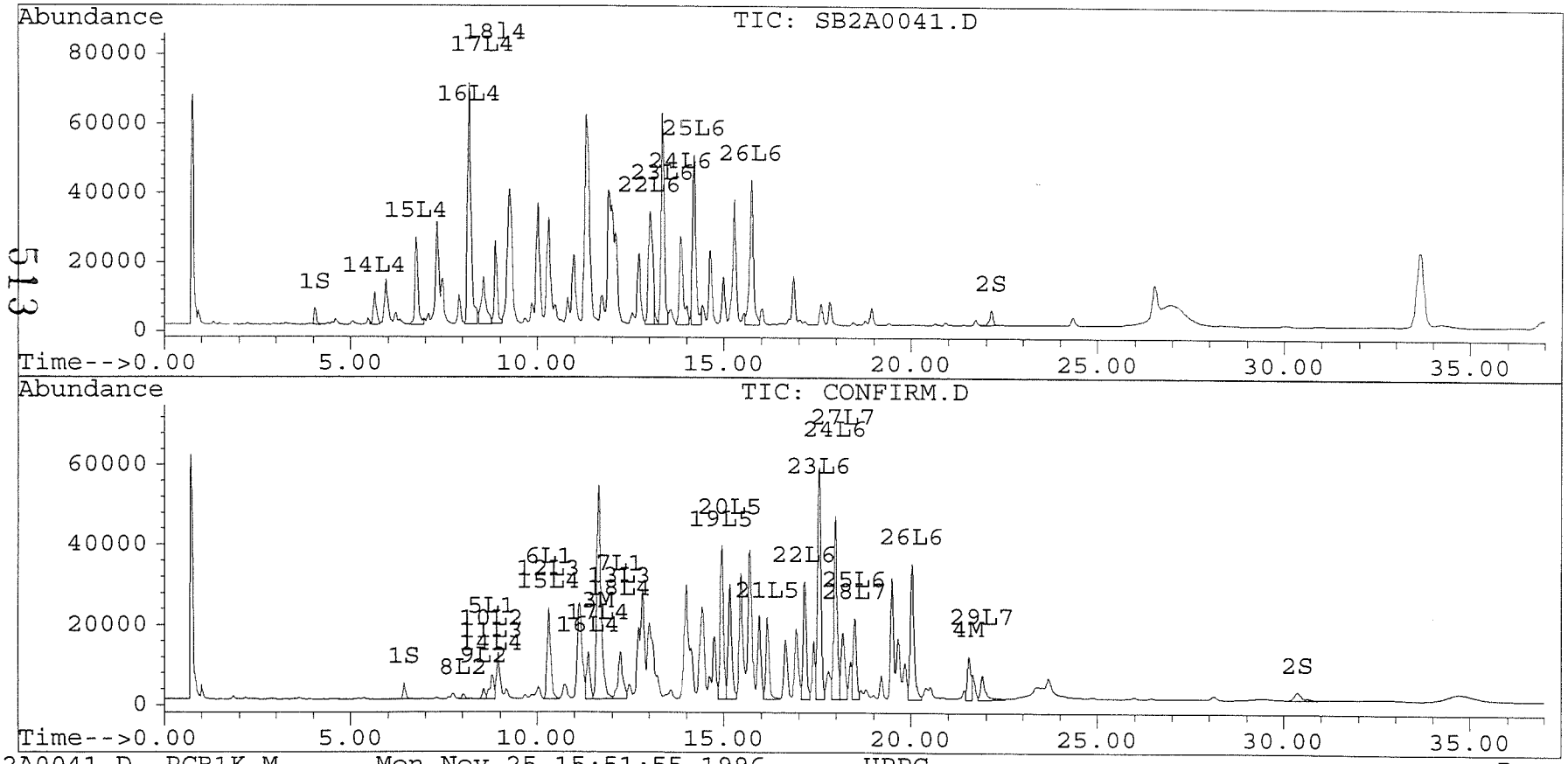
1650

Quantitation Report

Signal #1 : D:\HPCHEM\5\24NOV96\SB2A0041.D Vial: 20
Signal #2 : D:\HPCHEM\5\24NOV96\SB2A0041.D\CONFIRM.D
Acq On : 25 Nov 96 05:00 AM Operator: JS
Sample : 8080,C995-90,2X,PC8 Inst : SB2
Misc : VHB/15.2G/25ML Multiplr: 1.00
Quant Time: Nov 25 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



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Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0007.D Vial: 82
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0007.D\CONFIRM.D
Acq On : 22 Nov 96 08:15 PM Operator: JS
Sample : VHB,C0995-90,PC8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

86% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.04	6.44	10301	8365	41.324	42.840
			Recovery	=	103.31%	107.10%
2) S Decachlorobiphenyl	22.16	30.38	7975	3758	39.196m	38.693
			Recovery	=	97.99%	96.73%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.17	11.66	125238	95232	1158.973	983.901
4) M 2,2',3,3',4,4'-Hexa	16.86	21.56	26784	20825	143.229	123.199
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	5.64	8.79	17675	11042	743.369	583.362
15) L4 Aroclor-1242 {2}	6.75	10.32	44265	39209	1045.303	1056.595
16) L4 Aroclor-1242 {3}	8.17	11.37	125238	21094	1940.742	1325.305
17) L4 Aroclor-1242 (4)	8.55	11.66	25303	95232	938.176	1885.306 #
18) L4 Aroclor-1242 (5)	8.88	12.24	45195	21617	2035.358	972.198 #
Total Aroclor-1242			257676	188195	6702.949	5822.765
Average Aroclor-1242					1340.590	1164.553
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

514

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0007.D Vial: 82
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0007.D\CONFIRM.D
Acq On : 22 Nov 96 08:15 PM Operator: JS
Sample : VHB,C0995-90,PC8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	59320	52790	1710.665	1689.484
23) L6 Aroclor-1254 {2}	13.36	17.56	107913	100694	1499.445	1458.440
24) L6 Aroclor-1254 {3}	13.85	17.99	45923	82282	1366.856	1888.513
25) L6 Aroclor-1254 (4)	14.19	18.50	88771	35369	1897.563	1260.804
26) L6 Aroclor-1254 (5)	15.74	20.04	74928	61157	1389.954	1394.959
Total Aroclor-1254			376856	332292	7864.483	7692.200
Average Aroclor-1254					1572.897	1538.440
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 190/380

515

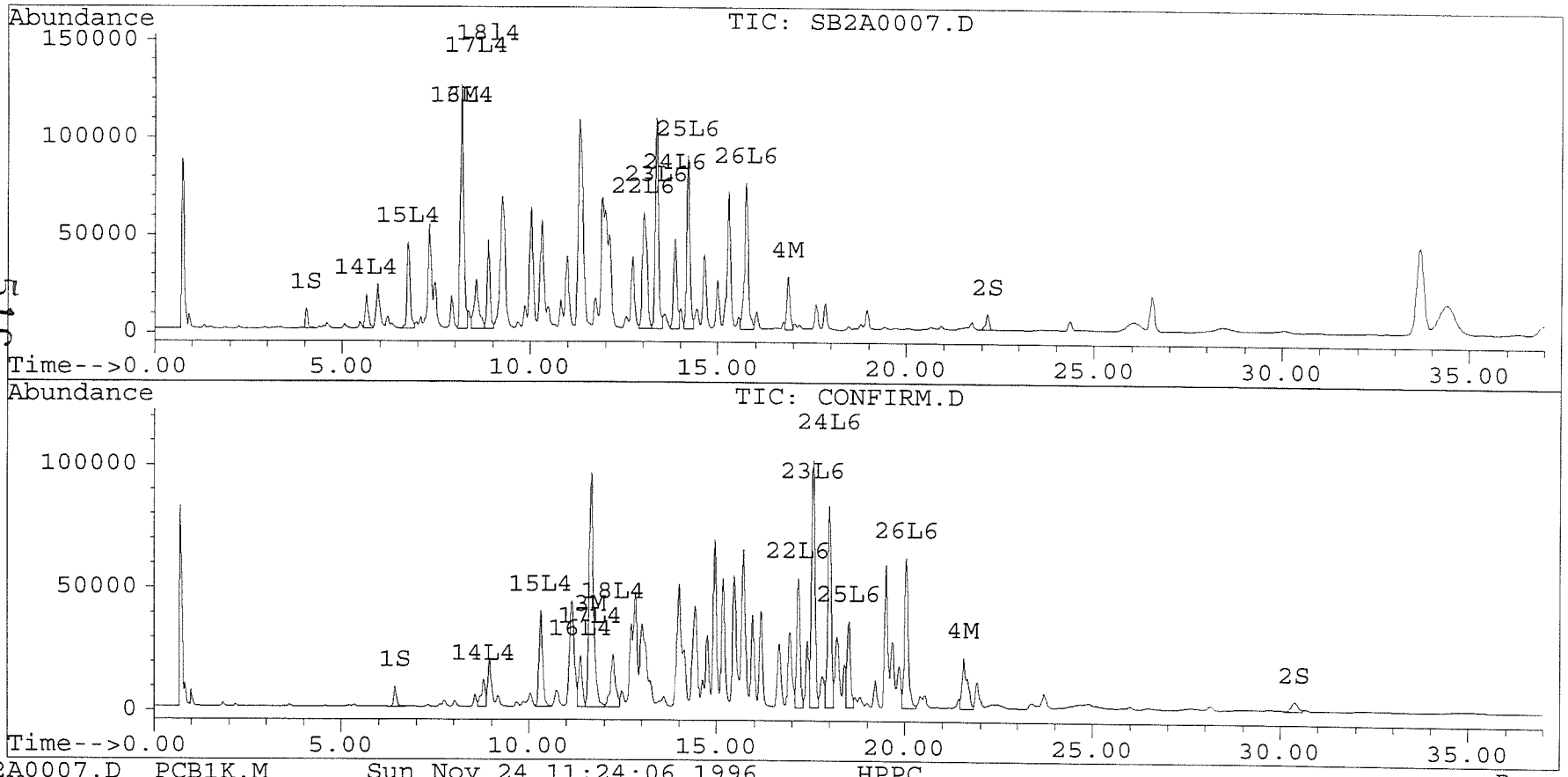
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0007.D Vial: 82
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0007.D\CONFIRM.D
Acq On : 22 Nov 96 08:15 PM Operator: JS
Sample : VHB,C0995-90,PC8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



SB2A0007.D PCB1K.M Sun Nov 24 11:24:06 1996 HPPC

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0008.D Vial: 83
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0008.D\CONFIRM.D
Acq On : 22 Nov 96 08:55 PM Operator: JS
Sample : VHB,C0995-91,PC9 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

93% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10121	8188	40.601	41.930
				Recovery	=	101.50%	104.83%
2) S	Decachlorobiphenyl	22.16	30.38	7270	3596	35.733m	37.019
				Recovery	=	89.33%	92.55%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	60412	45536	559.068	470.462
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	11630	8886	62.191	52.571
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	4926	2361	207.172	124.718 #
15) L4	Aroclor-1242 {2}	6.75	10.32	14453	12981	341.302	349.800
16) L4	Aroclor-1242 {3}	8.17	11.37	60412	6859	936.179	430.962 #
17) L4	Aroclor-1242 (4)	8.55	11.66	8784	45536	325.702	901.477 #
18) L4	Aroclor-1242 (5)	8.88	12.24	19532	7497	879.605	337.177 #
Total	Aroclor-1242			108107	75234	2689.960	2144.135
Average	Aroclor-1242					537.992	428.827
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0008.D PCB1K.M Sun Nov 24 11:24:26 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0008.D Vial: 83
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0008.D\CONFIRM.D
Acq On : 22 Nov 96 08:55 PM Operator: JS
Sample : VHB,C0995-91,PC9 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	19617	17572	565.701	562.370
23) L6 Aroclor-1254 {2}	13.36	17.56	40658	38548	564.936	558.324
24) L6 Aroclor-1254 {3}	13.85	17.99	19471	27498	579.520	631.133
25) L6 Aroclor-1254 (4)	14.20	18.50	29487	16885	630.313	601.903
26) L6 Aroclor-1254 (5)	15.74	20.04	33891	27504	628.692	627.356
Total Aroclor-1254			143123	128007	2969.162	2981.086
Average Aroclor-1254					593.832	596.217
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242

$$\frac{1816 \times \frac{5}{2} \times 25}{15.3 \times 0.93} = 7980$$

AR1254

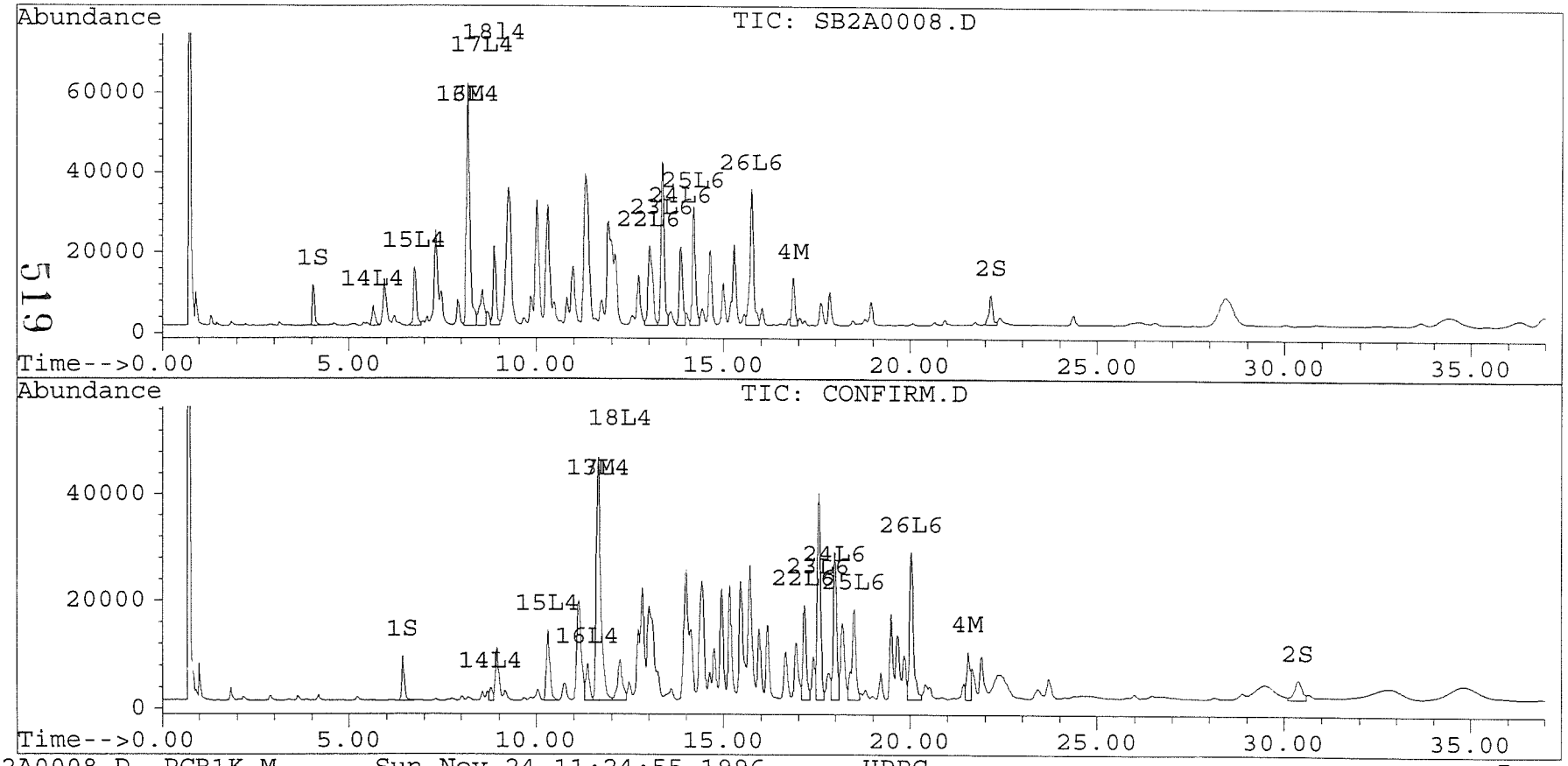
$$\frac{2969 \times 25}{15.3 \times 0.93} = 5216$$

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0008.D Vial: 83
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0008.D\CONFIRM.D
Acq On : 22 Nov 96 08:55 PM Operator: JS
Sample : VHB,C0995-91,PC9 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0009.D Vial: 84
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0009.D\CONFIRM.D
Acq On : 22 Nov 96 09:36 PM Operator: JS
Sample : VHB,C0995-92,PD7 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

92% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10966	8899	43.990	45.570
				Recovery	=	109.98%	113.93%
2) S	Decachlorobiphenyl	22.16	30.38	7959	3368	39.122m	34.674m
				Recovery	=	97.80%	86.69%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	71655	54440	663.112	562.456
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	12600	9185	67.379	54.340
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.64	8.79	6676	3606	280.759	190.485 #
15) L4	Aroclor-1242 {2}	6.75	10.32	18684	16578	441.208	446.750
16) L4	Aroclor-1242 {3}	8.17	11.37	71655	9116	1110.404	572.740 #
17) L4	Aroclor-1242 (4)	8.55	11.66	12561	54440	465.730	1077.751 #
18) L4	Aroclor-1242 (5)	8.88	12.24	25844	10478	1163.894	471.243 #
Total	Aroclor-1242			135420	94219	3461.995	2758.969
Average	Aroclor-1242					692.399	551.794
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0009.D PCB1K.M Sun Nov 24 11:25:16 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0009.D Vial: 84
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0009.D\CONFIRM.D
Acq On : 22 Nov 96 09:36 PM Operator: JS
Sample : VHB,C0995-92,PD7 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	25511	22771	735.680	728.777
23) L6 Aroclor-1254 {2}	13.36	17.56	50841	45898	706.427	664.789
24) L6 Aroclor-1254 {3}	13.85	17.99	23090	35184	687.241	807.525
25) L6 Aroclor-1254 (4)	14.19	18.50	38179	18543	816.116	661.008
26) L6 Aroclor-1254 (5)	15.74	20.04	37517	30212	695.960	689.121
Total Aroclor-1254			175138	152609	3641.424	3551.221
Average Aroclor-1254					728.285	710.244
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$$\frac{2274 \times \frac{5}{2} \times 25}{15.5 \times 0.92} = 9970$$

AR1254

$$\frac{3551 \times 25}{15.5 \times 0.92} = 6225$$

MRL = 180/350 521

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

Quantitation Report

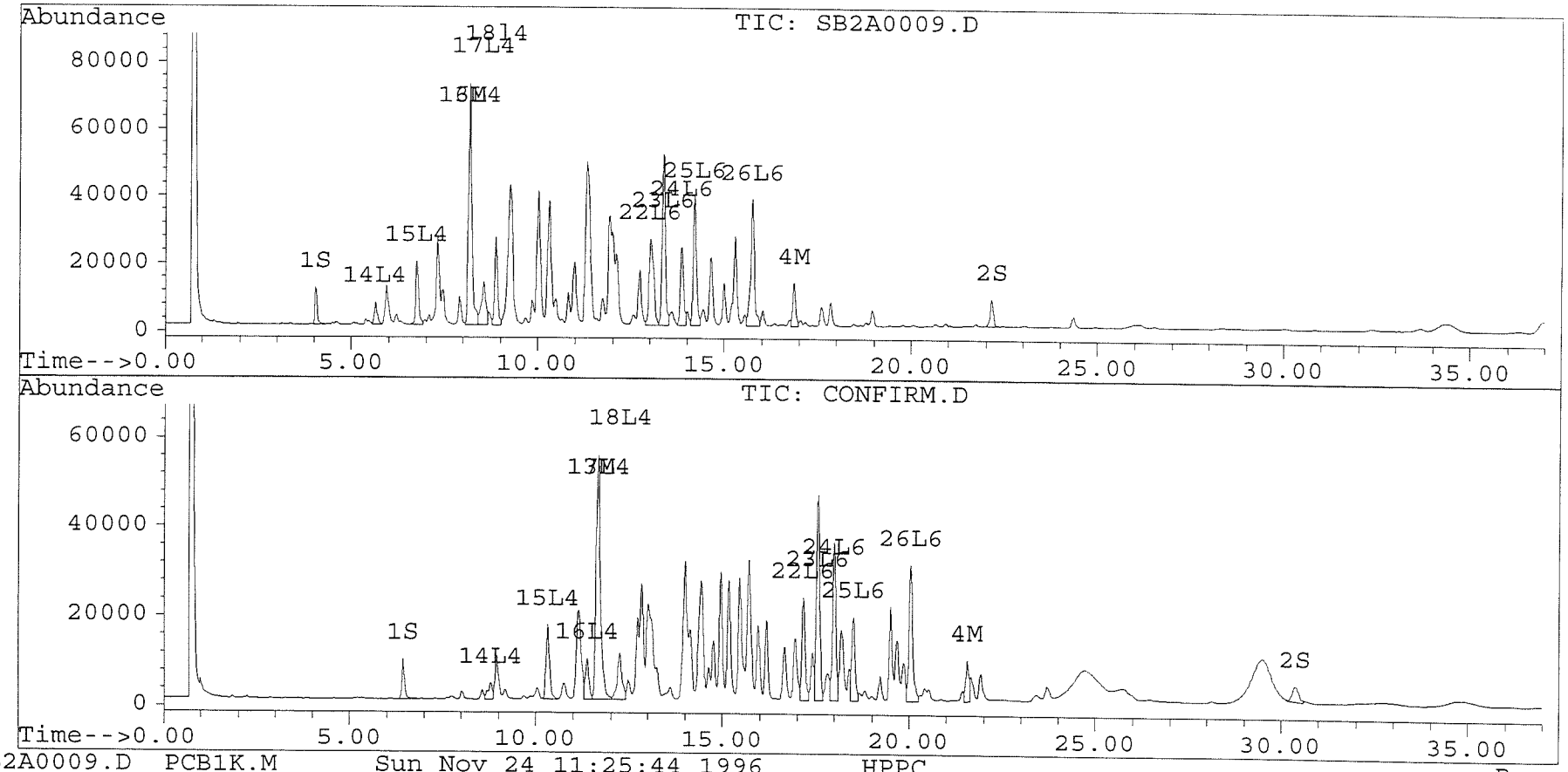
Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0009.D
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0009.D\CONFIRM.D
Acq On : 22 Nov 96 09:36 PM
Sample : VHB,C0995-92,PD7
Misc : 15.5g,25mL,No Dilution
Quant Time: Nov 23 14:25 1996

Vial: 84
Operator: JS
Inst : SB2
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0010.D Vial: 85
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0010.D\CONFIRM.D
Acq On : 22 Nov 96 10:16 PM Operator: JS
Sample : VHB,C0995-93,PD8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

83% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.04	6.43	10130	7961	40.637	40.767
			Recovery	=	101.59%	101.92%
2) S Decachlorobiphenyl	22.16	30.38	7026	3157	34.534	32.508m
			Recovery	=	86.33%	81.27%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.17	11.66	2075	1522	19.203	15.724
4) M 2,2',3,3',4,4'-Hexa	16.87	21.56	458	211	2.447	1.249m#
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	5.65	8.80	264	178	11.094	9.385
15) L4 Aroclor-1242 {2}	6.76	10.32	804	728	18.978	19.626
16) L4 Aroclor-1242 {3}	8.17	11.38	2075	343	32.157	21.530 #
17) L4 Aroclor-1242 (4)	8.56	11.66	409	1522	15.165	30.129 #
18) L4 Aroclor-1242 (5)	8.88	12.25	646	395	29.073	17.747 #
Total Aroclor-1242			4197	3165	106.466	98.416
Average Aroclor-1242					21.293	19.683
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

523

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0010.D Vial: 85
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0010.D\CONFIRM.D
Acq On : 22 Nov 96 10:16 PM Operator: JS
Sample : VHB,C0995-93,PD8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	482	442	13.906	14.140
23) L6 Aroclor-1254 {2}	13.36	17.56	1116	1025	15.501	14.849
24) L6 Aroclor-1254 {3}	13.85	17.99	616	678	18.336	15.553
25) L6 Aroclor-1254 (4)	14.20	18.51	725	506	15.494	18.043
26) L6 Aroclor-1254 (5)	15.75	20.04	856	788	15.873	17.969
Total Aroclor-1254			3794	3439	79.110	80.554
Average Aroclor-1254					15.822	16.111
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

$= \frac{61 \times \frac{5}{2} \times 25}{15.5 \times 0.83} = 296$

AR1254

< 190

MRL = 190 | 390
524

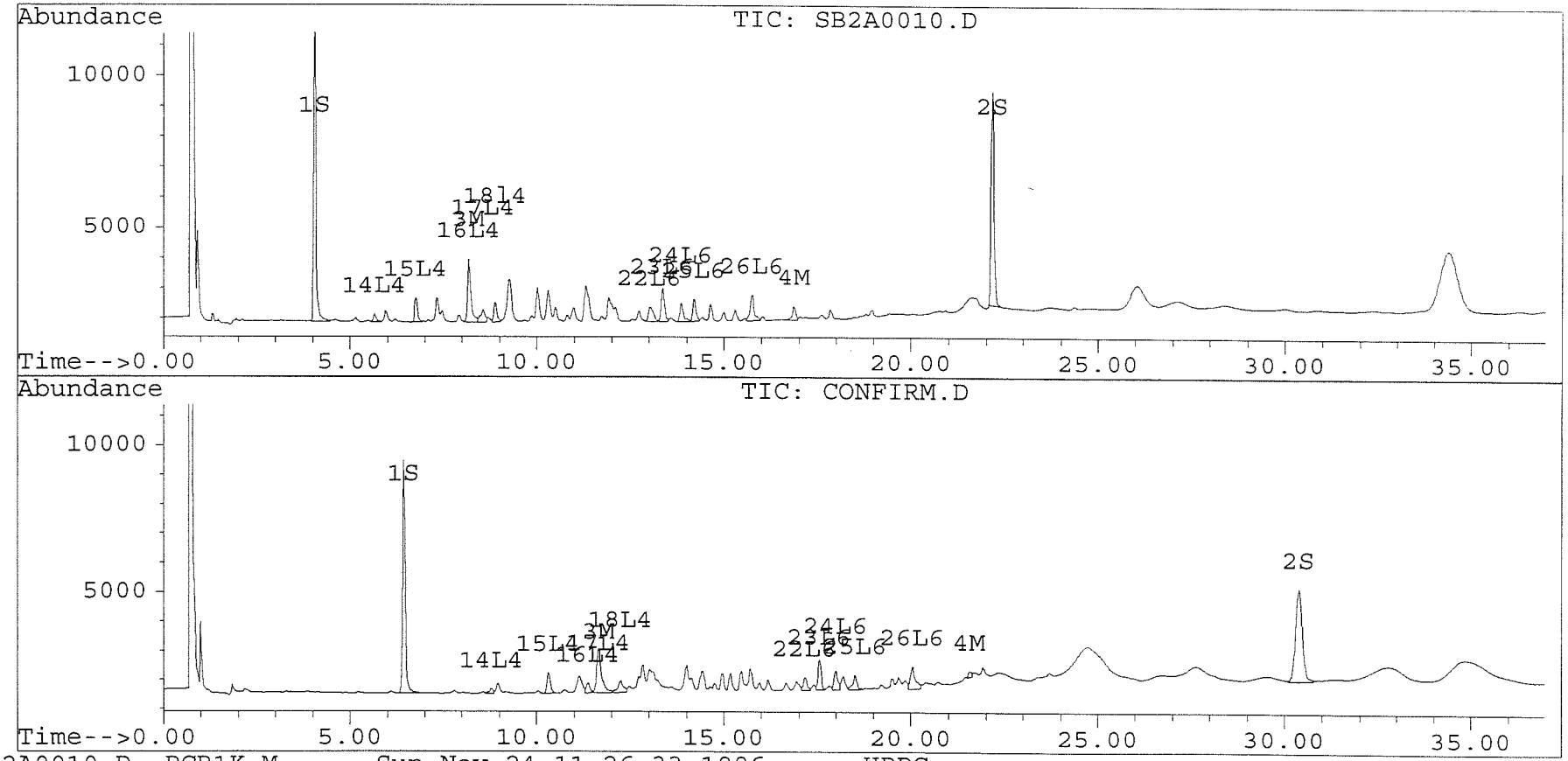
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0010.D Vial: 85
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0010.D\CONFIRM.D
Acq On : 22 Nov 96 10:16 PM Operator: JS
Sample : VHB,C0995-93,PD8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:26 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0011.D Vial: 86
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0011.D\CONFIRM.D
Acq On : 22 Nov 96 10:57 PM Operator: JS
Sample : VHB,C0995-94,PD9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

94% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.04	6.43	10127	7844	40.624	40.169
			Recovery	=	101.56%	100.42%
2) S Decachlorobiphenyl	22.16	30.37	7156	3244	35.175	33.399m
			Recovery	=	87.94%	83.50%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.17	11.66	2732	1994	25.285	20.601
4) M 2,2',3,3',4,4'-Hexa	16.87	21.56	975	768	5.214	4.542
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	5.64	8.80	725	562	30.478	29.696
15) L4 Aroclor-1242 {2}	6.75	10.32	1484	1378	35.037	37.144
16) L4 Aroclor-1242 {3}	8.17	11.38	2732	597	42.340	37.513
17) L4 Aroclor-1242 (4)	8.56	11.66	744	1994	27.582	39.475 #
18) L4 Aroclor-1242 (5)	8.88	12.25	887	623	39.944	28.040 #
Total Aroclor-1242			6571	5155	175.380	171.867
Average Aroclor-1242					35.076	34.373
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

526

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0011.D Vial: 86
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0011.D\CONFIRM.D
Acq On : 22 Nov 96 10:57 PM Operator: JS
Sample : VHB,C0995-94,PD9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:27 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	678	627	19.543	20.059
23) L6 Aroclor-1254 {2}	13.36	17.56	2508	2334	34.847	33.804
24) L6 Aroclor-1254 {3}	13.86	17.99	1396	1095	41.536	25.135 #
25) L6 Aroclor-1254 (4)	14.20	18.51	1150	1099	24.576	39.158 #
26) L6 Aroclor-1254 (5)	15.75	20.04	2095	1721	38.866	39.265
Total Aroclor-1254			7826	6876	159.369	157.421
Average Aroclor-1254					31.874	31.484
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 = $\frac{175 \times 25}{15.5 \times 0.94} = 300$

$\frac{157 \times 25}{15.5 \times 0.94} = 270$ (K)

527 mRL = 170/340

Quantitation Report

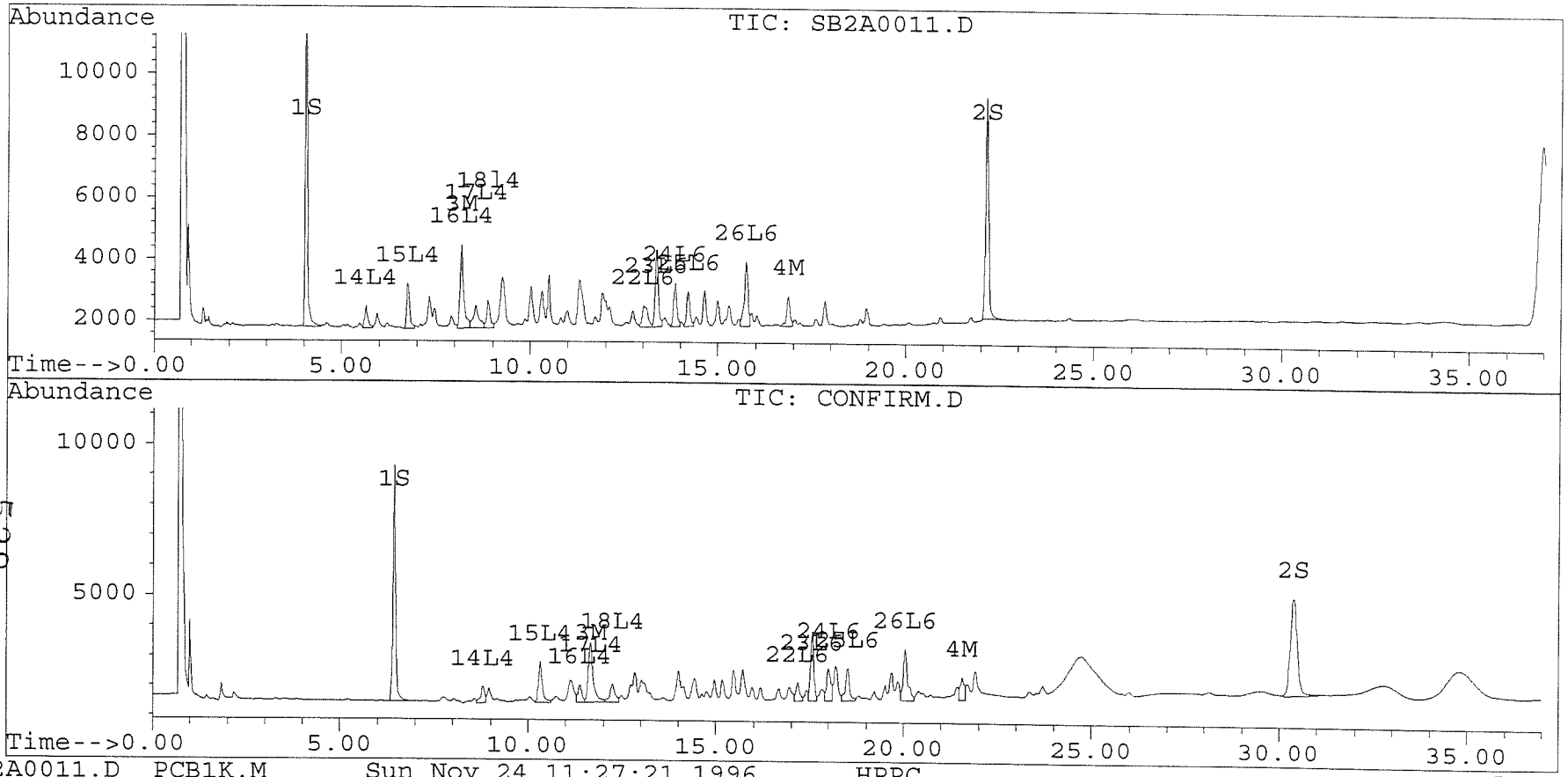
Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0011.D
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0011.D\CONFIRM.D
Acq On : 22 Nov 96 10:57 PM
Sample : VHB,C0995-94,PD9
Misc : 15.5g,25mL,No Dilution
Quant Time: Nov 23 14:27 1996

Vial: 86
Operator: JS
Inst : SB2
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



SB2A0011.D PCB1K.M Sun Nov 24 11:27:21 1996 HPPC

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0012.D Vial: 87
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0012.D\CONFIRM.D
Acq On : 22 Nov 96 11:38 PM Operator: JS
Sample : VHB,C0995-95,PE7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

89% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8516	6949	34.163	35.586
				Recovery	=	85.41%	88.96%
2) S	Decachlorobiphenyl	22.16	30.38	6240	2959	30.671	30.463m
				Recovery	=	76.68%	76.16%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	232	159	2.145m	1.644m
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.62	0.00	1637	0	68.829	N.D. #
15) L4	Aroclor-1242 {2}	6.76	10.32	156	126	3.686	3.408
16) L4	Aroclor-1242 {3}	8.18	11.37	363	101	5.623	6.333
17) L4	Aroclor-1242 (4)	8.55	11.67	183	225	6.794	4.460 #
18) L4	Aroclor-1242 (5)	8.88	12.25	212	85	9.556	3.829 #
Total	Aroclor-1242			2551	538	94.487	18.029
Average	Aroclor-1242					18.897	4.507
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0012.D PCB1K.M Sun Nov 24 11:27:42 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0012.D Vial: 87
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0012.D\CONFIRM.D
Acq On : 22 Nov 96 11:38 PM Operator: JS
Sample : VHB,C0995-95,PE7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.03	17.18	190	147	5.483	4.698
23) L6 Aroclor-1254 {2}	13.36	17.54	377	222	5.242	3.214 #
24) L6 Aroclor-1254 {3}	13.85	0.00	271	0	8.075	N.D. #
25) L6 Aroclor-1254 (4)	14.19	18.51	212	239	4.536	8.516 #
26) L6 Aroclor-1254 (5)	15.74	20.05	227	425	4.210	9.688 #
Total Aroclor-1254			1278	1032	27.547	26.116
Average Aroclor-1254					5.509	6.529
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

MRL = 180/360

530

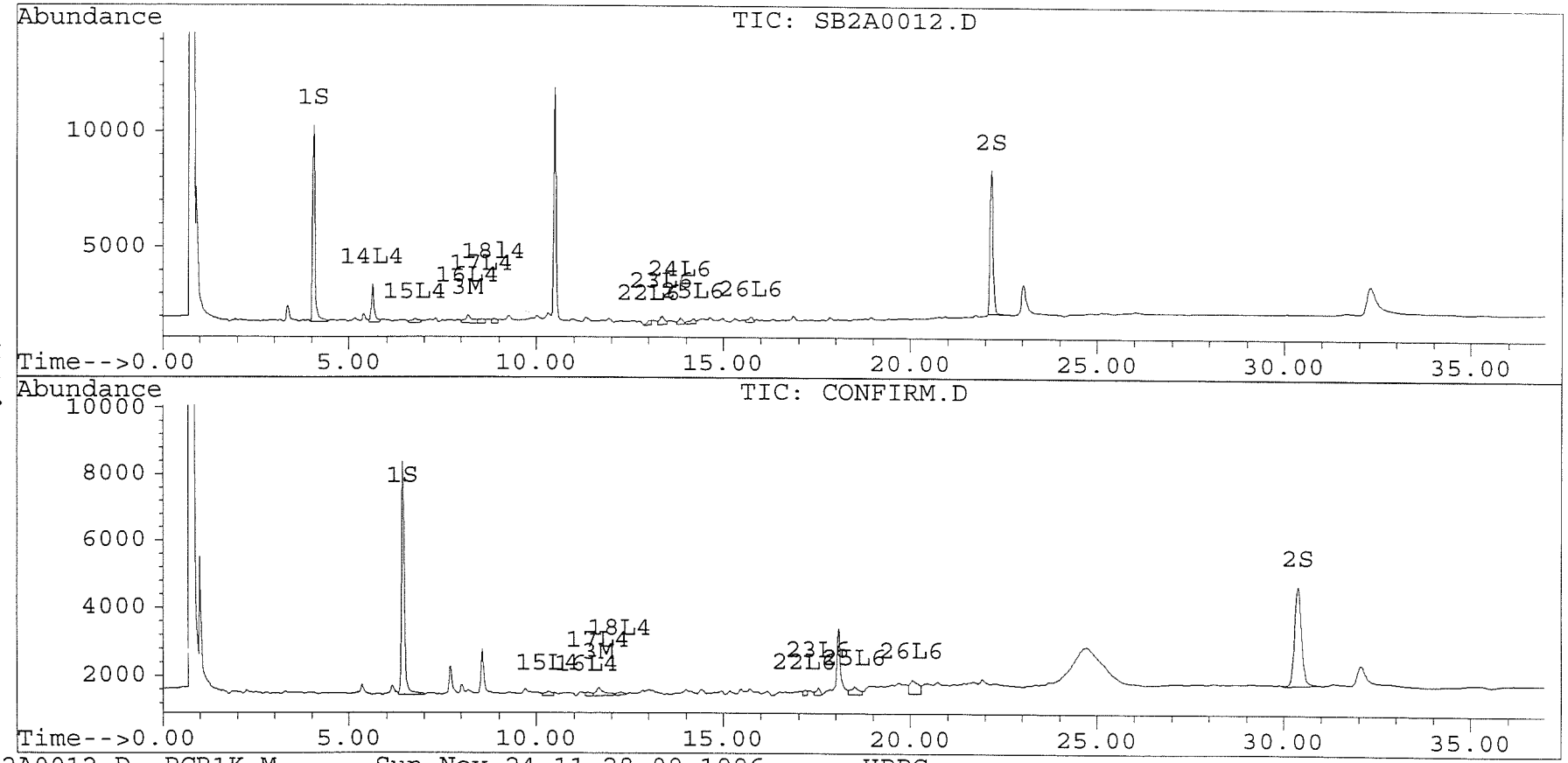
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0012.D Vial: 87
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0012.D\CONFIRM.D
Acq On : 22 Nov 96 11:38 PM Operator: JS
Sample : VHB,C0995-95,PE7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:29 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0013.D Vial: 88
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0013.D\CONFIRM.D
Acq On : 23 Nov 96 00:18 AM Operator: JS
Sample : VHB,C0995-96,PE8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

86% std

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9565	7814	38.370m	40.018m
				Recovery	=	~~95.93%~~	100.05%
2) S	Decachlorobiphenyl	22.16	30.38	6550	3062	32.194m	31.522
				Recovery	=	80.49%	78.80%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	5151	3600	47.668	37.196
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.80	1000	423	42.049	22.343 #
15) L4	Aroclor-1242 {2}	6.75	10.32	2472	2189	58.387	58.988
16) L4	Aroclor-1242 {3}	8.17	11.38	5151	952	79.822	59.792 #
17) L4	Aroclor-1242 (4)	8.56	11.66	1137	3600	42.140	71.274 #
18) L4	Aroclor-1242 (5)	8.88	12.25	1624	880	73.159	39.561 #
Total	Aroclor-1242			11384	8043	295.557	251.958
Average	Aroclor-1242					59.111	50.392
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

532

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0013.D Vial: 88
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0013.D\CONFIRM.D
Acq On : 23 Nov 96 00:18 AM Operator: JS
Sample : VHB,C0995-96,PE8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	808	721	23.291	23.082
23) L6 Aroclor-1254 {2}	13.36	17.56	1923	1637	26.723	23.715
24) L6 Aroclor-1254 {3}	13.85	17.99	1054	1170	31.382	26.848
25) L6 Aroclor-1254 (4)	14.20	18.51	1229	955	26.263	34.045 #
26) L6 Aroclor-1254 (5)	15.74	20.04	1327	1535	24.613	35.024 #
Total Aroclor-1254			6341	6019	132.271	142.714
Average Aroclor-1254					26.454	28.543
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 3 pks

$$\frac{211 \times \frac{5}{3} \times 25}{15.2 \times 0.86} = 670$$

AR1254

$$\frac{132 \times 25}{15.2 \times 0.86} = 250$$

MRL = 190/380533

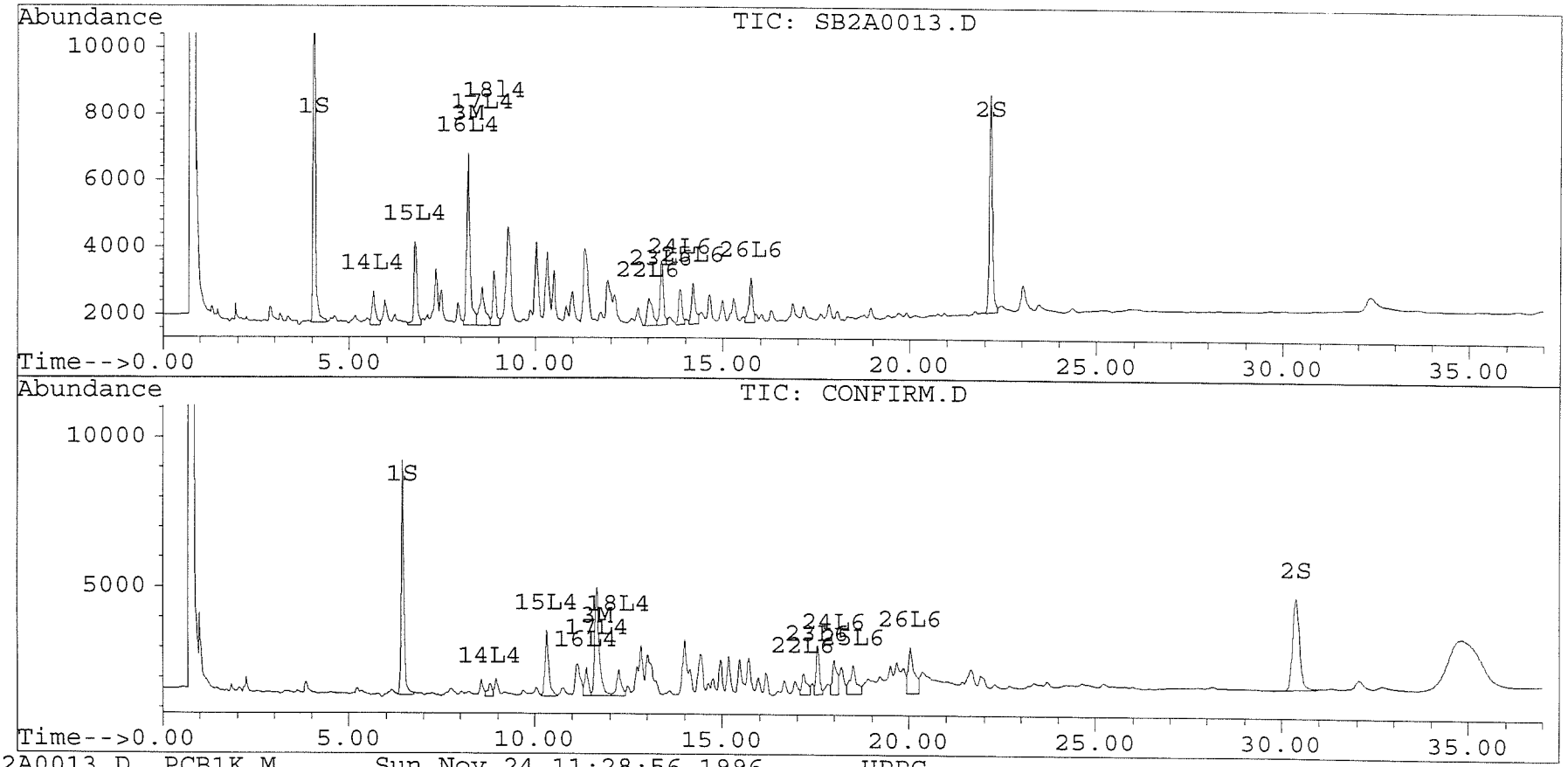
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0013.D Vial: 88
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0013.D\CONFIRM.D
Acq On : 23 Nov 96 00:18 AM Operator: JS
Sample : VHB,C0995-96,PE8 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:30 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0017.D Vial: 92
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0017.D\CONFIRM.D
Acq On : 23 Nov 96 03:01 AM Operator: JS
Sample : VHB,C0995-97,PE9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

92% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	7355	6477	29.506m	33.170m	
				Recovery	=	73.77%	82.93%	
2) S	Decachlorobiphenyl	22.16	30.38	5869	2834	~~28.847m~~	29.179m	
				Recovery	=	72.12%	72.95%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	5204	3624	48.160	37.440	
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d	
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.63	8.80	1484	684	* 62.420	36.162	#
15) L4	Aroclor-1242 {2}	6.76	10.32	2145	1844	50.659	49.691	
16) L4	Aroclor-1242 {3}	8.17	11.38	5204	868	* 80.646	54.549	#
17) L4	Aroclor-1242 (4)	8.55	11.66	1128	3624	41.838	71.741	#
18) L4	Aroclor-1242 (5)	8.88	12.24	1489	908	* 67.078	40.832	#
Total	Aroclor-1242			11451	7928	302.641	252.975	
Average	Aroclor-1242					60.528	50.595	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0017.D Vial: 92
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0017.D\CONFIRM.D
Acq On : 23 Nov 96 03:01 AM Operator: JS
Sample : VHB,C0995-97,PE9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	981	913	28.284	29.217
23) L6 Aroclor-1254 {2}	13.36	17.55	2216	1890	30.788	27.381
24) L6 Aroclor-1254 {3}	13.85	0.00	1221	0	36.346	N.D. #
25) L6 Aroclor-1254 (4)	14.19	18.51	1587	1060	33.933	37.780
26) L6 Aroclor-1254 (5)	15.74	20.04	1661	1615	30.809	36.848
Total Aroclor-1254			7666	5479	160.160	131.226
Average Aroclor-1254					32.032	32.807
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 3 pts

$$\frac{210 \times \frac{5}{3} \times 25}{15.0 \times 0.92} = 630$$

AR1254

$$= \frac{160 \times 25}{15.0 \times 0.92} = \frac{2800}{290}$$

MRL = 180/360

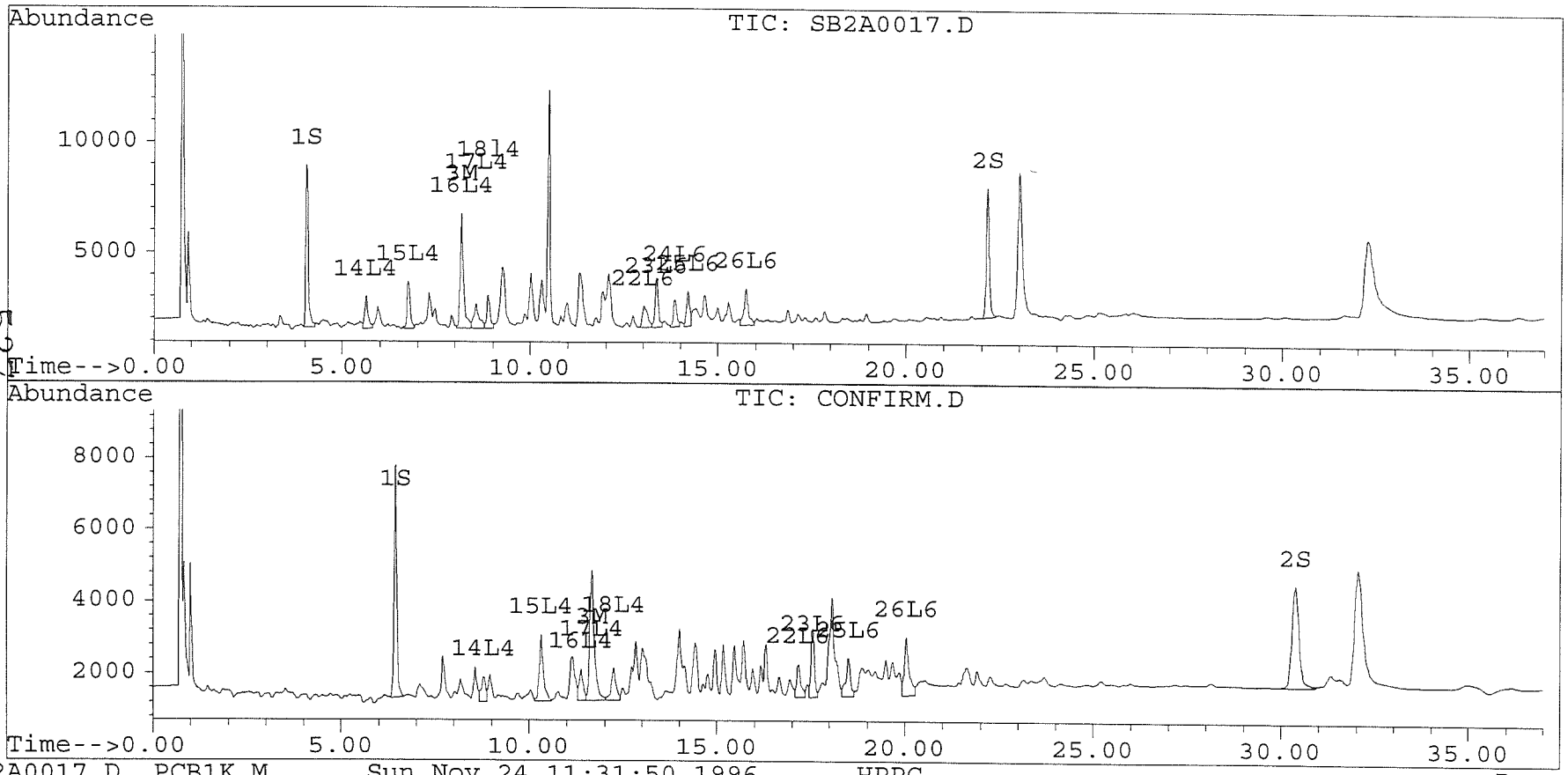
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0017.D Vial: 92
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0017.D\CONFIRM.D
Acq On : 23 Nov 96 03:01 AM Operator: JS
Sample : VHB,C0995-97,PE9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:31 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0018.D Vial: 93
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0018.D\CONFIRM.D
Acq On : 23 Nov 96 03:41 AM Operator: JS
Sample : VHB,C0995-98,PF7 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

91% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	8820	6906	35.380	35.365
				Recovery	=	88.45%	88.41%
2) S	Decachlorobiphenyl	22.15	30.37	5990	2831	29.442m	29.148
				Recovery	=	73.61%	72.87%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.66	4610	3301	42.661	34.105
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	534	381	2.857	2.254
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 (2)	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.63	8.79	898	281	37.783	14.835 #
15) L4	Aroclor-1242 (2)	6.75	10.32	1609	1464	37.989	39.446
16) L4	Aroclor-1242 (3)	8.17	11.38	4610	692	71.438	43.448 #
17) L4	Aroclor-1242 (4)	8.55	11.66	674	3301	24.977	65.351 #
18) L4	Aroclor-1242 (5)	8.88	12.24	1308	670	58.926	30.151 #
Total	Aroclor-1242			9099	6408	231.113	193.230
Average	Aroclor-1242					46.223	38.646
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d

538

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0018.D Vial: 93
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0018.D\CONFIRM.D
Acq On : 23 Nov 96 03:41 AM Operator: JS
Sample : VHB,C0995-98,PF7 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	1004	1278	28.941	40.887 #
23) L6 Aroclor-1254 {2}	13.36	17.55	2252	2432	31.298	35.229
24) L6 Aroclor-1254 {3}	13.85	0.00	1176	0	35.014	N.D. #
25) L6 Aroclor-1254 (4)	14.20	18.50	1583	1096	33.834	39.079
26) L6 Aroclor-1254 (5)	15.74	20.04	1647	1312	30.559	29.929
Total Aroclor-1254			7663	6118	159.646	145.123
Average Aroclor-1254					31.929	36.281
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pts

AR1254

$$\frac{130 \times \frac{5}{2} \times 25}{15.1 \times 0.91} = 590$$

$$\frac{160 \times 25}{15.1 \times 0.91} = 290$$

MRL = 180/360 539

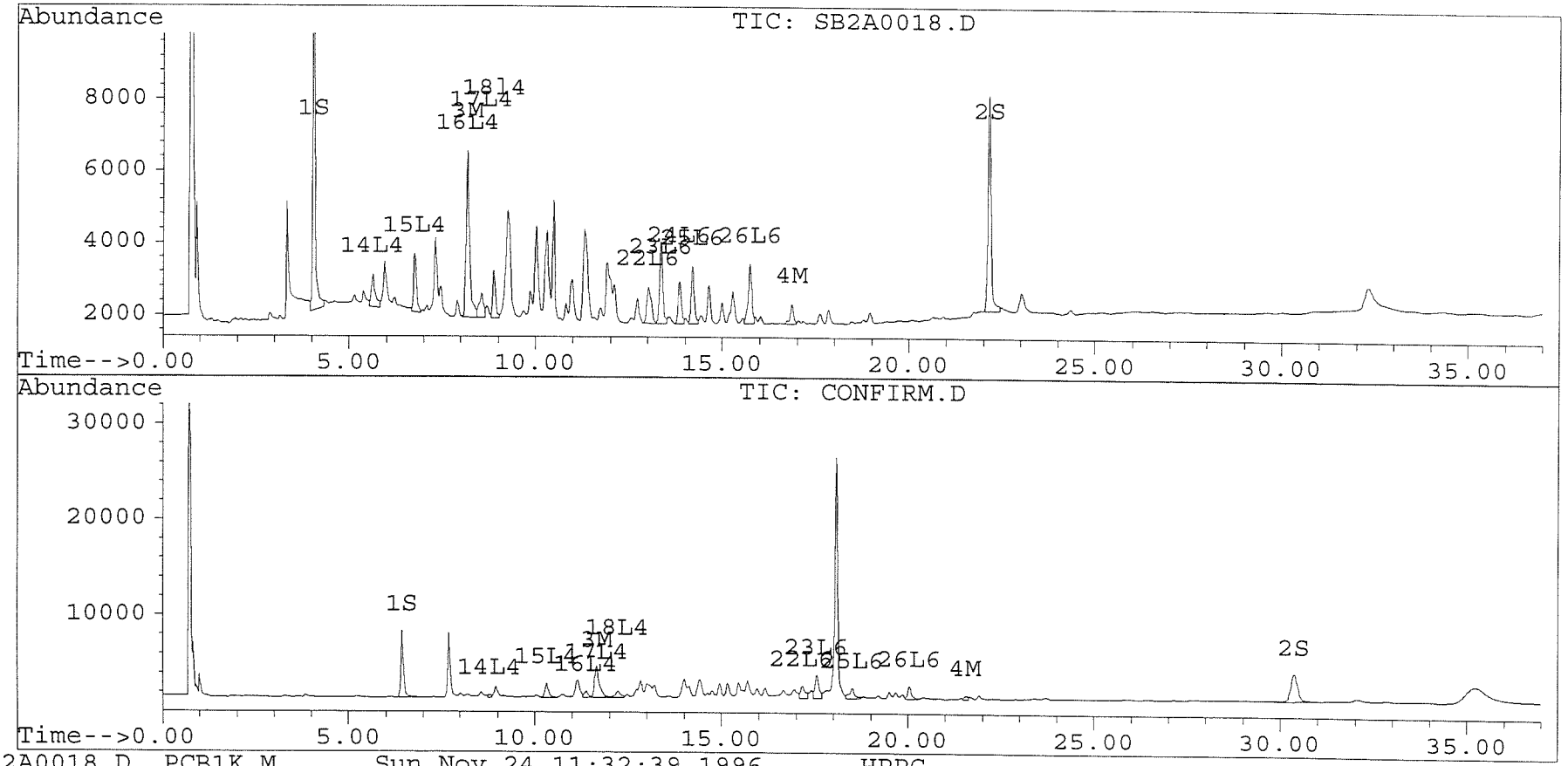
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0018.D Vial: 93
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0018.D\CONFIRM.D
Acq On : 23 Nov 96 03:41 AM Operator: JS
Sample : VHB,C0995-98,PF7 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:32 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0019.D Vial: 94
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0019.D\CONFIRM.D
Acq On : 23 Nov 96 04:22 AM Operator: JS
Sample : VHB,C0995-99,PF8 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

93% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.04	6.43	9029	7385	36.221	37.818	
				Recovery	=	90.55%	94.54%	
2) S	Decachlorobiphenyl	22.16	30.38	6014	2900	29.558	29.855	
				Recovery	=	73.90%	74.64%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.17	11.66	3350	2382	31.006	24.612	
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	519	332	2.778	1.963	#
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d	
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1016			0	0	N.D.	N.D.	
Average	Aroclor-1016					0.000	0.000	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1221			0	0	N.D.	N.D.	
Average	Aroclor-1221					0.000	0.000	
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1232			0	0	N.D.	N.D.	
Average	Aroclor-1232					0.000	0.000	
14) L4	Aroclor-1242	5.63	8.79	691	147	29.041	7.776	#
15) L4	Aroclor-1242 {2}	6.75	10.32	814	774	19.232	20.845	
16) L4	Aroclor-1242 {3}	8.17	11.37	3350	390	51.920	24.479	#
17) L4	Aroclor-1242 (4)	8.55	11.66	574	2382	21.291	47.161	#
18) L4	Aroclor-1242 (5)	8.88	12.24	1000	510	45.014	22.927	#
Total	Aroclor-1242			6429	4202	166.497	123.189	
Average	Aroclor-1242					33.299	24.638	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0019.D Vial: 94
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0019.D\CONFIRM.D
Acq On : 23 Nov 96 04:22 AM Operator: JS
Sample : VHB,C0995-99,PF8 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.02	17.17	844	736	24.350	23.556
23) L6 Aroclor-1254 {2}	13.36	17.56	1879	1684	26.105	24.397
24) L6 Aroclor-1254 {3}	13.85	17.99	991	1171	29.502	26.872
25) L6 Aroclor-1254 (4)	14.20	18.51	1285	795	27.474	28.335
26) L6 Aroclor-1254 (5)	15.74	20.04	1360	1111	25.229	25.352
Total Aroclor-1254			6360	5498	132.660	128.512
Average Aroclor-1254					26.532	25.702
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2 pks

$$\frac{97 \times \frac{5}{2} \times 25}{15.3 \times 0.93} = 426$$

AR1254

$$\frac{128 \times 25}{15.3 \times 0.93} = 225$$

MRL = 180/350 512

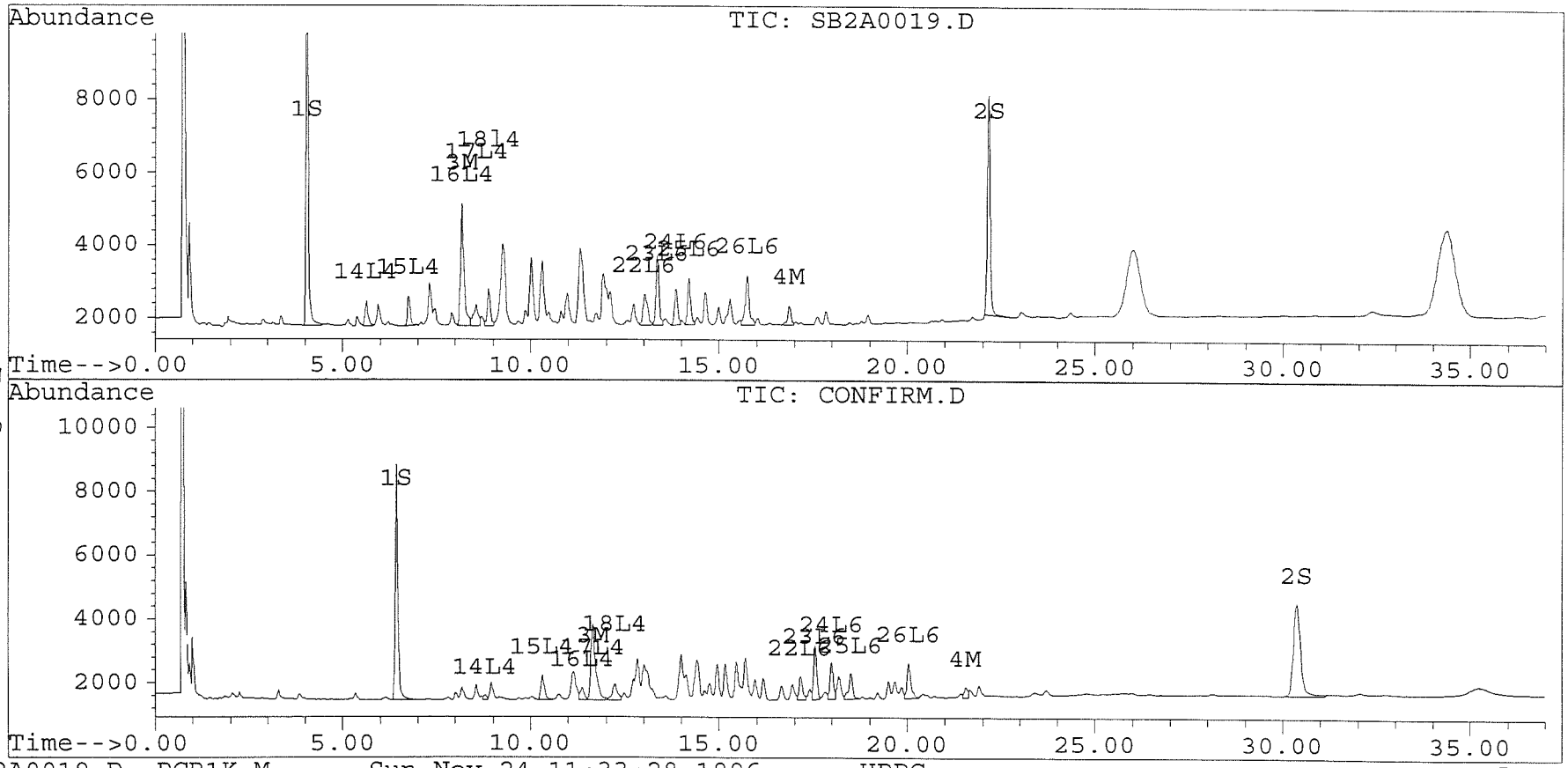
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\21NOV96\SB2A0019.D Vial: 94
Signal #2 : D:\HPCHEM\5\21NOV96\SB2A0019.D\CONFIRM.D
Acq On : 23 Nov 96 04:22 AM Operator: JS
Sample : VHB,C0995-99,PF8 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Nov 23 14:33 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-B1.D Vial: 39
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-B1.D\CONFIRM.D
Acq On : 21 Nov 96 04:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:36 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	9455	7862	37.928	40.260
				Recovery	=	94.82%	100.65%
2) S	Decachlorobiphenyl	22.16	30.38	7658	3434	37.640	35.356m
				Recovery	=	94.10%	88.39%
						Use this	
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d not
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d proper
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d integ
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

544

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-B1.D Vial: 39
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-B1.D\CONFIRM.D
Acq On : 21 Nov 96 04:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:36 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

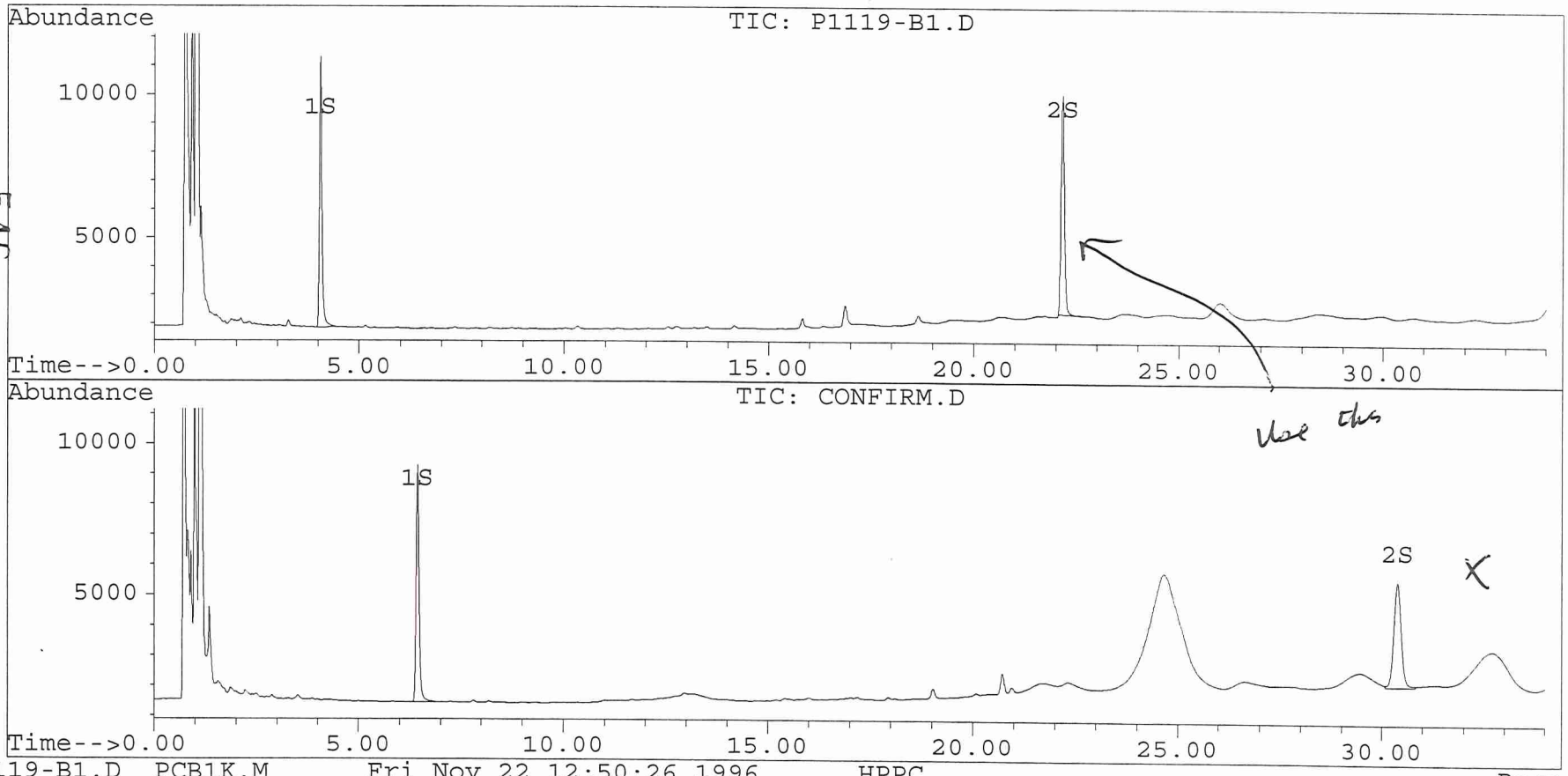
Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-B1.D Vial: 39
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-B1.D\CONFIRM.D
Acq On : 21 Nov 96 04:23 PM Operator: JS
Sample : SOIL METHOD BLANK Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:36 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

5.15



Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-L1.D Vial: 40
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-L1.D\CONFIRM.D
Acq On : 21 Nov 96 05:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.04	6.43	10002	8051	40.122	41.228
				Recovery	=	100.31%	103.07%
2) S	Decachlorobiphenyl	22.16	30.38	7519	3485	36.955	35.878
				Recovery	=	92.39%	89.70%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.17	11.67	90792	85145	840.206	879.685
4) M	2,2',3,3',4,4'-Hexa	16.86	21.56	165421	149820	884.600	886.321
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
P1119-L1.D PCB1K.M Fri Nov 22 12:50:44 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-L1.D Vial: 40
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-L1.D\CONFIRM.D
Acq On : 21 Nov 96 05:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
30) L8 Aroclor-1268	0.00	0.00	0	0	N.D.d	N.D.d
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.d	N.D.d
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

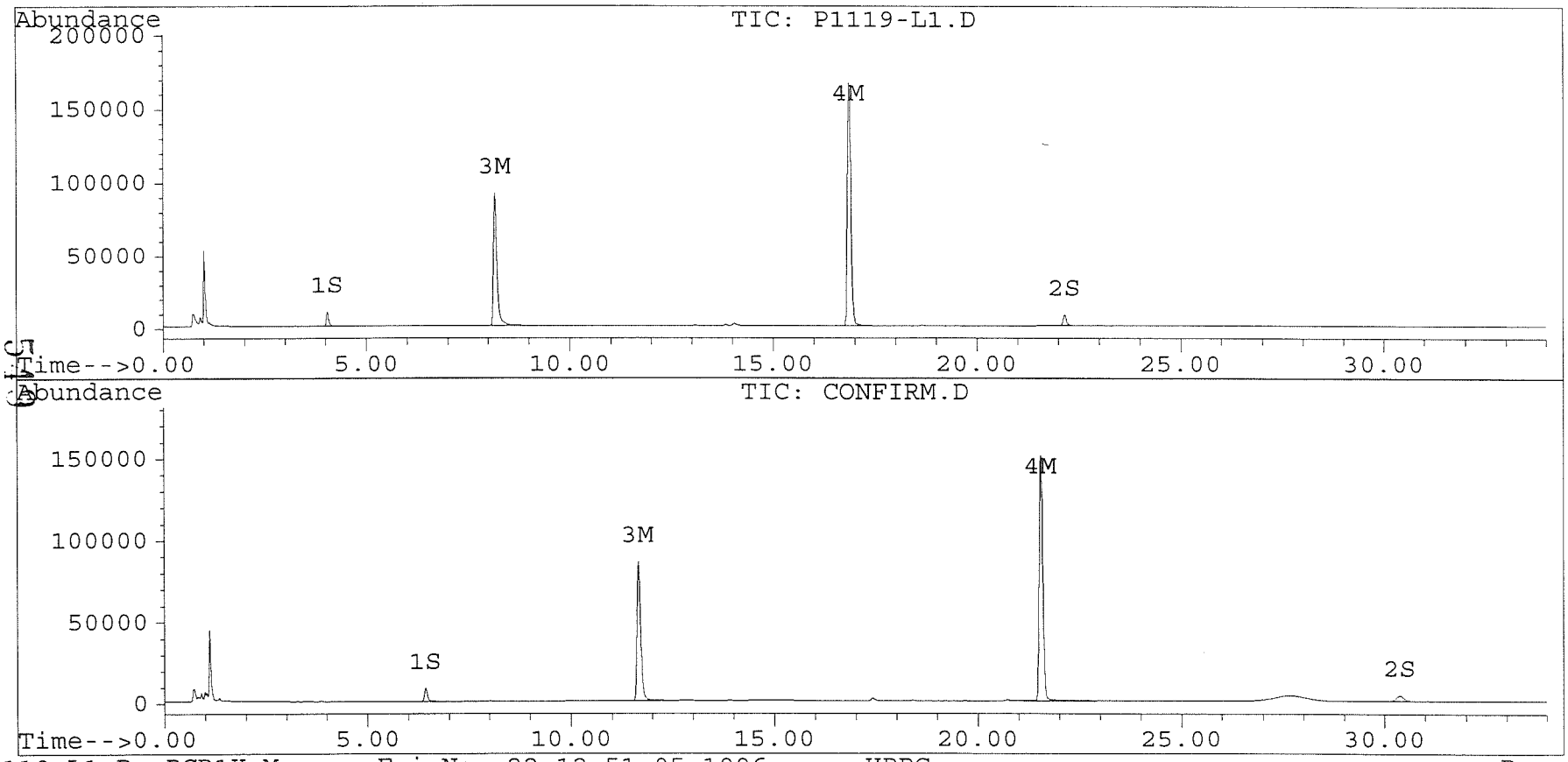
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\20NOV96\P1119-L1.D Vial: 40
Signal #2 : D:\HPCHEM\5\20NOV96\P1119-L1.D\CONFIRM.D
Acq On : 21 Nov 96 05:01 PM Operator: JS
Sample : SOIL LAB CONTROL SAMPLE Inst : ECD1
Misc : 15.0G/10ML 8080 ANALYSIS PCB Multiplr: 1.00
Quant Time: Nov 22 12:37 1996

Method : C:\HPCHEM\5\METHODS\PCB1K.M
Title : PCB 5 LEVEL
Last Update : Wed Nov 13 15:03:57 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



QC Batch: P1121-B1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0211.D Vial: 23
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0211.D\CONFIRM.D
Acq On : 30 Nov 96 12:34 PM Operator: JS
Sample : VHB,C0995-100,PF9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:16 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	5533	4571	28.624	29.695
				Recovery	=	71.56%	74.24%
2) S	Decachlorobiphenyl	22.09	30.25	5161	2498	32.617	33.743
				Recovery	=	81.54%	84.36%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	9968	6936	133.511	104.918
4) M	2,2',3,3',4,4'-Hexa	16.80	21.51	1525	927	11.733	7.631 #
5) L1	Aroclor-1016	6.70	8.75	2927	622	119.035	65.632 #
6) L1	Aroclor-1016 (2)	8.82	10.27	3022	2567	251.925	120.901 #
7) L1	Aroclor-1016 (3)	9.20	12.19	5909	1526	309.348	126.830 #
Total	Aroclor-1016			11858	4715	680.308	313.362
Average	Aroclor-1016					226.769	104.454
8) L2	Aroclor-1221	5.01f	7.97f	94	851	13.350	139.085 #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	8.75f	0	622	N.D.	40.499 #
Total	Aroclor-1221			94	1472	13.350	179.584
Average	Aroclor-1221					13.350	89.792
11) L3	Aroclor-1232	0.00	8.75f	0	622	N.D.	43.387 #
12) L3	Aroclor-1232 (2)	0.00	10.27f	0	2567	N.D.	213.665 #
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	3189	N.D.	257.051
Average	Aroclor-1232					0.000	128.526
14) L4	Aroclor-1242	5.59	8.75	1463	622	91.723	48.140 #
15) L4	Aroclor-1242 (2)	6.70	10.27	2927	2567	98.839	100.322
16) L4	Aroclor-1242 (3)	8.11	11.32	9968	1289	239.703	120.069 #
17) L4	Aroclor-1242 (4)	8.50	11.61	1821	6936	105.578	213.665 #
18) L4	Aroclor-1242 (5)	8.82	12.19	3022	1526	215.254	106.483 #
Total	Aroclor-1242			19201	12940	751.096	588.679
Average	Aroclor-1242					150.219	117.736
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0211.D Vial: 23
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0211.D\CONFIRM.D
Acq On : 30 Nov 96 12:34 PM Operator: JS
Sample : VHB,C0995-100,PF9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:16 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	2321	2073	99.022	98.692
23) L6 Aroclor-1254 {2}	13.29	17.50	5136	4634	104.617	97.969
24) L6 Aroclor-1254 {3}	13.78	17.94	2689	3179	116.073	110.826
25) L6 Aroclor-1254 (4)	14.13	18.45	3389	2203	111.613	114.026
26) L6 Aroclor-1254 (5)	15.67	19.99	3927	3222	107.847	107.910
Total Aroclor-1254			17462	15311	539.172	529.424
Average Aroclor-1254					107.834	105.885
27) L7 Aroclor-1260	13.78	18.13	2689	1995	105.860	82.984
28) L7 Aroclor-1260 {2}	14.57	18.45	2457	2203	84.991	81.758
29) L7 Aroclor-1260 {3}	17.77	21.86	1135	1047	28.103	25.661
Total Aroclor-1260			6281	5245	218.954	190.403
Average Aroclor-1260					72.985	63.468
30) L8 Aroclor-1268	18.88	23.33	845	301	NoCal	69.982 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	301	N.D.	69.982
Average Aroclor-1268					0.000	69.982

1242 - use 2 pts

1254

$\text{Conc} = \frac{455 \times \frac{5}{2} \times 25}{15.5 \times 0.91} = 2020$

$\frac{529 \times 25}{15.5 \times 0.91} = 940$

MRL = 184 | 36° 552

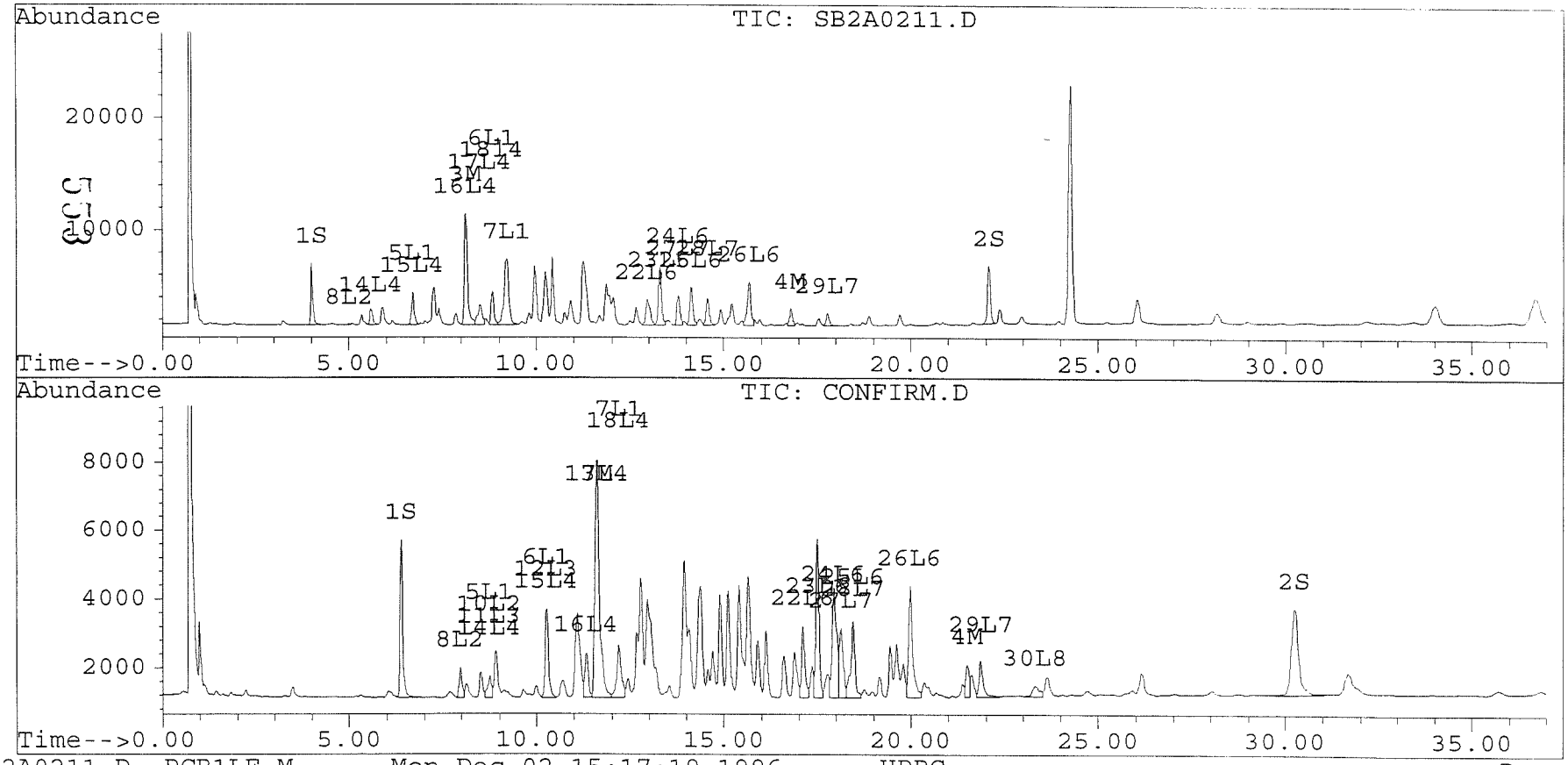
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0211.D Vial: 23
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0211.D\CONFIRM.D
Acq On : 30 Nov 96 12:34 PM Operator: JS
Sample : VHB,C0995-100,PF9 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:16 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0212.D Vial: 24
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0212.D\CONFIRM.D
Acq On : 30 Nov 96 01:14 PM Operator: JS
Sample : VHB,C0995-100MS,PF9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	6090	4915	31.504	31.930
				Recovery	=	78.76%	79.83%
2) S	Decachlorobiphenyl	22.09	30.25	5486	2649	34.672	35.789
				Recovery	=	86.68%	89.47%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	77078	67659	1032.410	1023.441
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	123218	112499	948.133	925.760
5) L1	Aroclor-1016	6.70	8.75	1616	332	65.709	35.065 #
6) L1	Aroclor-1016 {2}	8.82	10.27	2129	2091	177.491	98.465 #
7) L1	Aroclor-1016 {3}	9.20	12.19	4276	1564	223.848	130.021 #
Total	Aroclor-1016			8021	3987	467.048	263.551
Average	Aroclor-1016					155.683	87.850
8) L2	Aroclor-1221	5.09f	0.00	151	0	21.575	N.D. #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	8.75f	0	332	N.D.	21.637 #
Total	Aroclor-1221			151	332	21.575	21.637
Average	Aroclor-1221					21.575	21.637
11) L3	Aroclor-1232	0.00	8.75f	0	332	N.D.	23.180 #
12) L3	Aroclor-1232 {2}	0.00	10.27f	0	2091	N.D.	174.015 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	2423	N.D.	197.194
Average	Aroclor-1232					0.000	98.597
14) L4	Aroclor-1242	5.59	8.75	748	332	46.884	25.719 #
15) L4	Aroclor-1242 {2}	6.70	10.27	1616	2091	54.560	81.706 #
16) L4	Aroclor-1242 {3}	8.11	11.32	77078	1410	1853.571	131.301 #
17) L4	Aroclor-1242 (4)	8.49	11.61	1377	67659	79.853	2084.229 #
18) L4	Aroclor-1242 (5)	8.82	12.19	2129	1564	151.655	109.162 #
Total	Aroclor-1242			82948	73055	2186.523	2432.117
Average	Aroclor-1242					437.305	486.423
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

1023-104 = 92%

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0212.D Vial: 24
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0212.D\CONFIRM.D
Acq On : 30 Nov 96 01:14 PM Operator: JS
Sample : VHB,C0995-100MS,PF9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	1676	1460	71.487	69.539
23) L6 Aroclor-1254 {2}	13.29	17.50	3694	3359	75.253	71.003
24) L6 Aroclor-1254 {3}	13.78	17.94	2247	2359	96.970	82.251
25) L6 Aroclor-1254 (4)	14.13	18.45	2671	1586	87.972	82.074
26) L6 Aroclor-1254 (5)	15.67	19.99	2810	2301	77.156	77.071
Total Aroclor-1254			13097	11065	408.837	381.937
Average Aroclor-1254					81.767	76.387
27) L7 Aroclor-1260	13.78	18.13	2247	1397	88.438	58.124 #
28) L7 Aroclor-1260 {2}	14.57	18.45	1780	1586	61.563	58.848
29) L7 Aroclor-1260 {3}	17.77	21.86	800	917	19.813	22.461
Total Aroclor-1260			4826	3900	169.814	139.433
Average Aroclor-1260					56.605	46.478
30) L8 Aroclor-1268	18.89	23.33	612	246	NoCal	57.172 #
31) L8 Aroclor-1268 {2}	19.04	0.00	41	0	NoCal	N.D.
32) L8 Aroclor-1268 {3}	21.81	0.00	26	0	NoCal	N.D.
Total Aroclor-1268			0	246	N.D.	57.172
Average Aroclor-1268					0.000	57.172

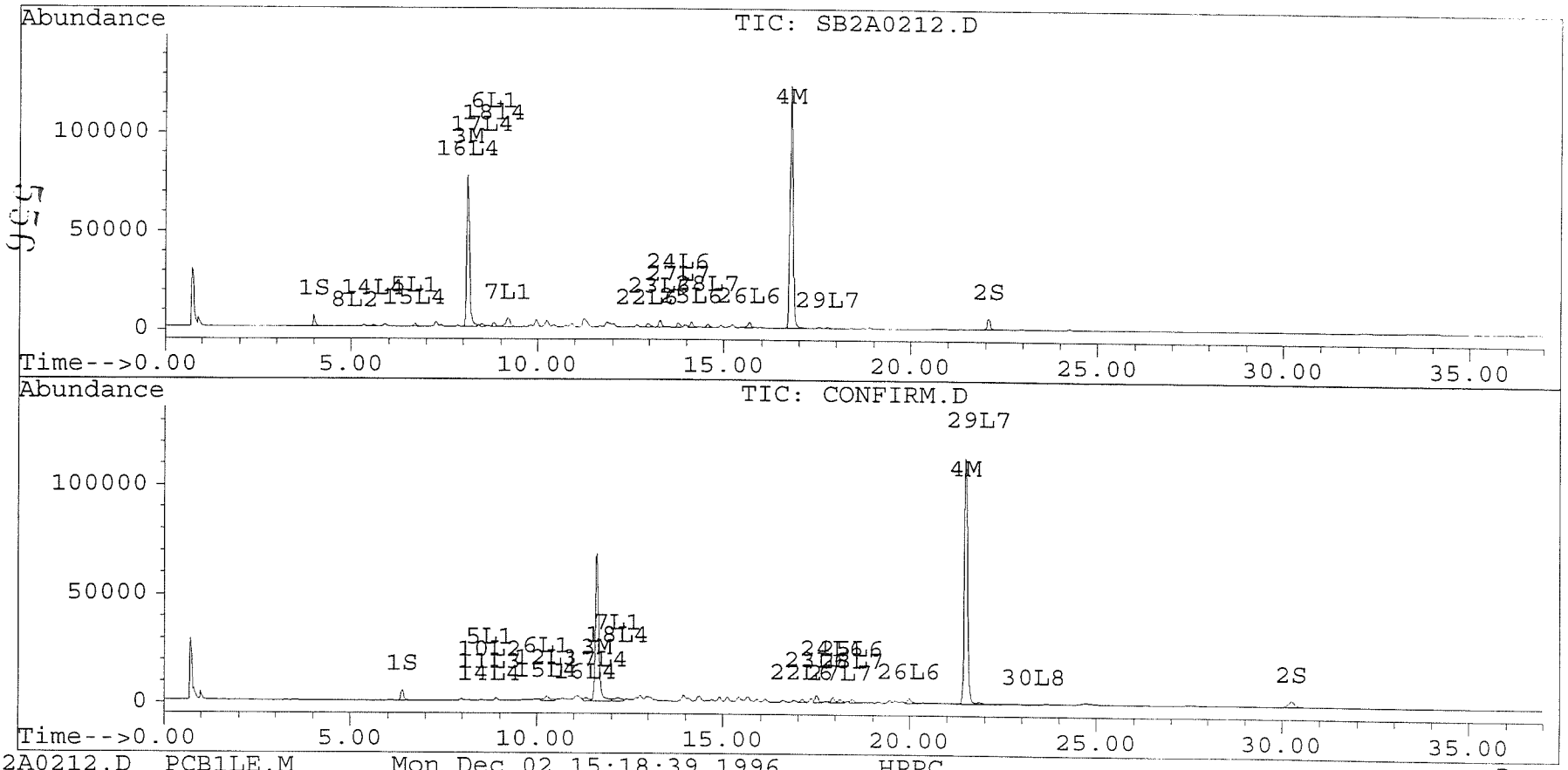
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0212.D Vial: 24
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0212.D\CONFIRM.D
Acq On : 30 Nov 96 01:14 PM Operator: JS
Sample : VHB,C0995-100MS,PF9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:17 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0213.D Vial: 25
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0213.D\CONFIRM.D
Acq On : 30 Nov 96 01:55 PM Operator: JS
Sample : VHB,C0995-100MSD,PF9 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	6712	5188	34.722	33.702
				Recovery	=	86.80%	84.26%
2) S	Decachlorobiphenyl	22.09	30.25	5652	2727	35.721	36.844
				Recovery	=	89.30%	92.11%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	81448	71017	1090.932	1074.239
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	128803	117705	991.111	968.603
5) L1	Aroclor-1016	6.70	8.75	1652	278	67.197	29.333 #
6) L1	Aroclor-1016 (2)	8.82	10.27	2136	1472	178.111	69.349 #
7) L1	Aroclor-1016 (3)	9.20	12.19	4429	1130	231.888	93.929 #
Total	Aroclor-1016			8218	2880	477.196	192.611
Average	Aroclor-1016					159.065	64.204
8) L2	Aroclor-1221	5.09f	0.00	140	0	20.012	N.D. #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	8.75f	0	278	N.D.	18.100 #
Total	Aroclor-1221			140	278	20.012	18.100
Average	Aroclor-1221					20.012	18.100
11) L3	Aroclor-1232	0.00	8.75f	0	278	N.D.	19.391 #
12) L3	Aroclor-1232 (2)	0.00	10.27f	0	1472	N.D.	122.559 #
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	1750	N.D.	141.950
Average	Aroclor-1232					0.000	70.975
14) L4	Aroclor-1242	5.59	8.75	716	278	44.891	21.515 #
15) L4	Aroclor-1242 (2)	6.70	10.27	1652	1472	55.796	57.545
16) L4	Aroclor-1242 (3)	8.11	11.32	81448	757	1958.638	70.536 #
17) L4	Aroclor-1242 (4)	8.49	11.61	1407	71017	81.578	2187.678 #
18) L4	Aroclor-1242 (5)	8.82	12.19	2136	1130	152.184	78.860 #
Total	Aroclor-1242			87360	74655	2293.088	2416.135
Average	Aroclor-1242					458.618	483.227
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0213.D Vial: 25
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0213.D\CONFIRM.D
Acq On : 30 Nov 96 01:55 PM Operator: JS
Sample : VHB,C0995-100MSD,PF9 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

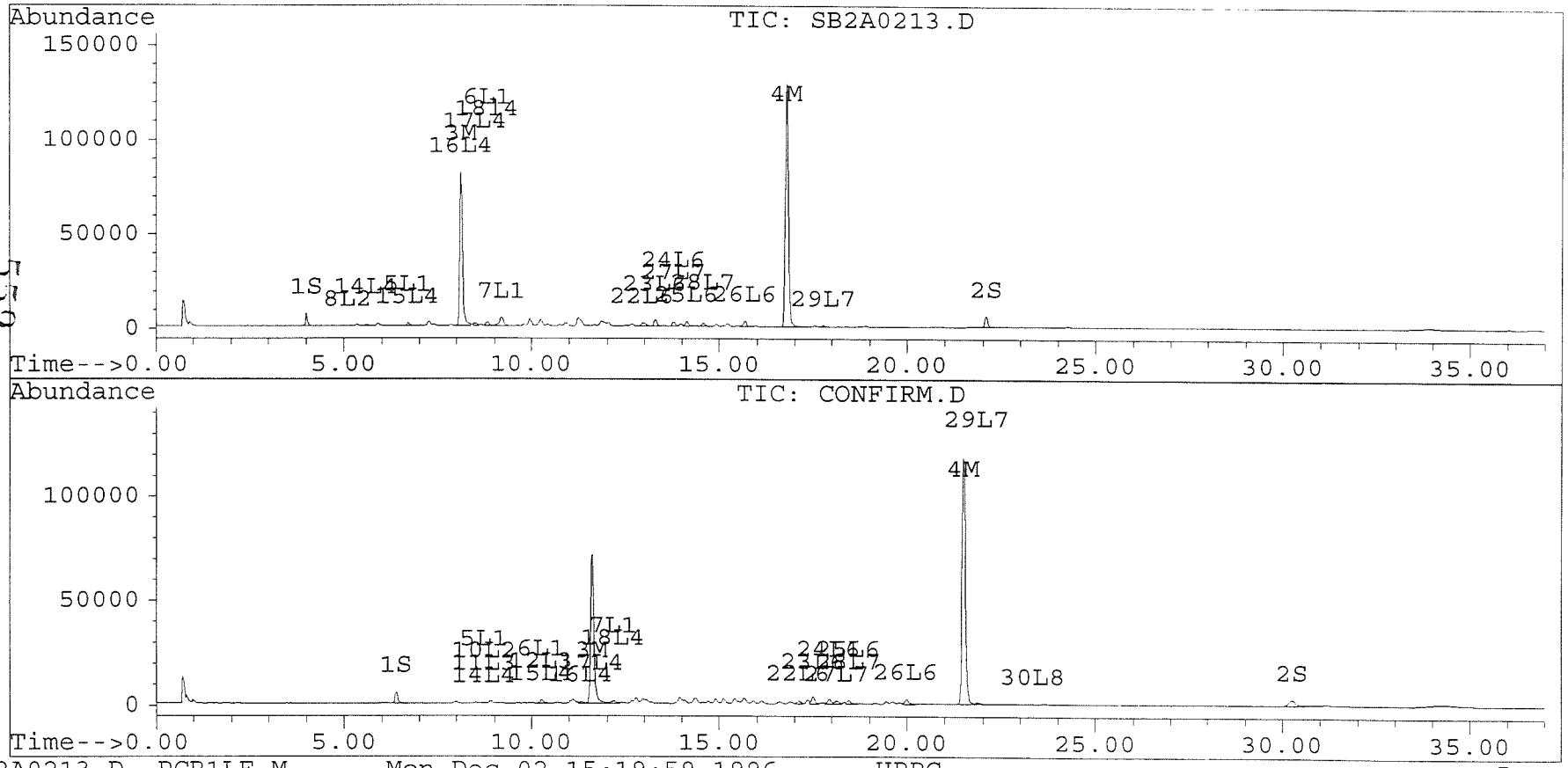
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	1744	1496	74.402	71.243
23) L6 Aroclor-1254 {2}	13.29	17.50	3778	3531	76.956	74.650
24) L6 Aroclor-1254 {3}	13.78	17.94	2284	2370	98.563	82.612
25) L6 Aroclor-1254 (4)	14.13	18.45	2669	1606	87.903	83.122
26) L6 Aroclor-1254 (5)	15.68	19.99	2795	2324	76.767	77.833
Total Aroclor-1254			13269	11327	414.592	389.460
Average Aroclor-1254					82.918	77.892
27) L7 Aroclor-1260	13.78	18.13	2284	1419	89.891	59.037 #
28) L7 Aroclor-1260 {2}	14.57	18.45	1782	1606	61.649	59.599
29) L7 Aroclor-1260 {3}	17.77	21.86	778	898	19.271	22.001
Total Aroclor-1260			4844	3923	170.811	140.637
Average Aroclor-1260					56.937	46.879
30) L8 Aroclor-1268	18.89	23.34f	609	228	NoCal	53.003 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	228	N.D.	53.003
Average Aroclor-1268					0.000	53.003

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0213.D Vial: 25
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0213.D\CONFIRM.D
Acq On : 30 Nov 96 01:55 PM Operator: JS
Sample : VHB,C0995-100MSD,PF9 Inst : SB2
Misc : 15.1g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:19 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0214.D Vial: 26
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0214.D\CONFIRM.D
Acq On : 30 Nov 96 02:36 PM Operator: JS
Sample : VHB,C0995-101,PG7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

91% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	6931	5635	35.858	36.605
				Recovery	=	89.65%	91.51%
2) S	Decachlorobiphenyl	22.09	30.25	6112	2938	38.630	39.686
				Recovery	=	96.58%	99.22%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	29057	19637	389.192	297.039
4) M	2,2',3,3',4,4'-Hexa	16.79	21.51	4033	2626	31.033	21.611 #
5) L1	Aroclor-1016	6.70	8.74	6069	1090	246.819	115.064 #
6) L1	Aroclor-1016 {2}	8.82	10.27	8277	5244	690.055	247.002 #
7) L1	Aroclor-1016 {3}	9.20	12.18	15244	3939	798.057	327.397 #
Total	Aroclor-1016			29590	10273	1734.931	689.463
Average	Aroclor-1016					578.310	229.821
8) L2	Aroclor-1221	5.01f	7.98f	131	166	18.656	27.080 #
9) L2	Aroclor-1221 {2}	5.43f	0.00	258	0	44.225	N.D. #
10) L2	Aroclor-1221 {3}	5.60f	0.00	2604	0	128.892	N.D. #
Total	Aroclor-1221			2993	166	191.773	27.080
Average	Aroclor-1221					63.924	27.080
11) L3	Aroclor-1232	5.60f	0.00	2604	0	142.781	N.D. #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			2604	0	142.781	N.D.
Average	Aroclor-1232					142.781	0.000
14) L4	Aroclor-1242	5.60	8.74	2604	1090	163.312	84.397 #
15) L4	Aroclor-1242 {2}	6.70	10.27	6069	5244	204.942	204.961
16) L4	Aroclor-1242 {3}	8.11	11.32	29057	2698	698.747	251.290 #
17) L4	Aroclor-1242 (4)	8.49	11.61	4001	19637	231.966	604.917 #
18) L4	Aroclor-1242 (5)	8.82	12.18	8277	3939	589.608	274.874 #
Total	Aroclor-1242			50009	32608	1888.575	1420.439
Average	Aroclor-1242					377.715	284.088
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

560

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0214.D Vial: 26
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0214.D\CONFIRM.D
Acq On : 30 Nov 96 02:36 PM Operator: JS
Sample : VHB,C0995-101,PG7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	7007	5898	298.962	280.842
23) L6 Aroclor-1254 {2}	13.29	17.50	15066	12973	306.898	274.269
24) L6 Aroclor-1254 {3}	13.78	17.93	7336	8949	316.628	311.988
25) L6 Aroclor-1254 (4)	14.13	18.45	10053	5853	331.125	302.968
26) L6 Aroclor-1254 (5)	15.67	19.98	11605	8996	318.693	301.273
Total Aroclor-1254			51067	42670	1572.307	1471.340
Average Aroclor-1254					314.461	294.268
27) L7 Aroclor-1260	13.78	18.13	7336	5237	288.769	217.848
28) L7 Aroclor-1260 {2}	14.57	18.45	6795	5853	235.073	217.230
29) L7 Aroclor-1260 {3}	17.77	21.86	2983	2530	73.877	61.990
Total Aroclor-1260			17114	13621	597.719	497.068
Average Aroclor-1260					199.240	165.689
30) L8 Aroclor-1268	18.88	0.00	2201	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR 1242 - Use 2pts

$$\frac{1298 \times \frac{5}{2} \times 25}{15.4 \times 0.91} = 5790$$

AR1254

$$\frac{1471 \times 25}{15.4 \times 0.91} = 2620$$

MRL = 180/360

561

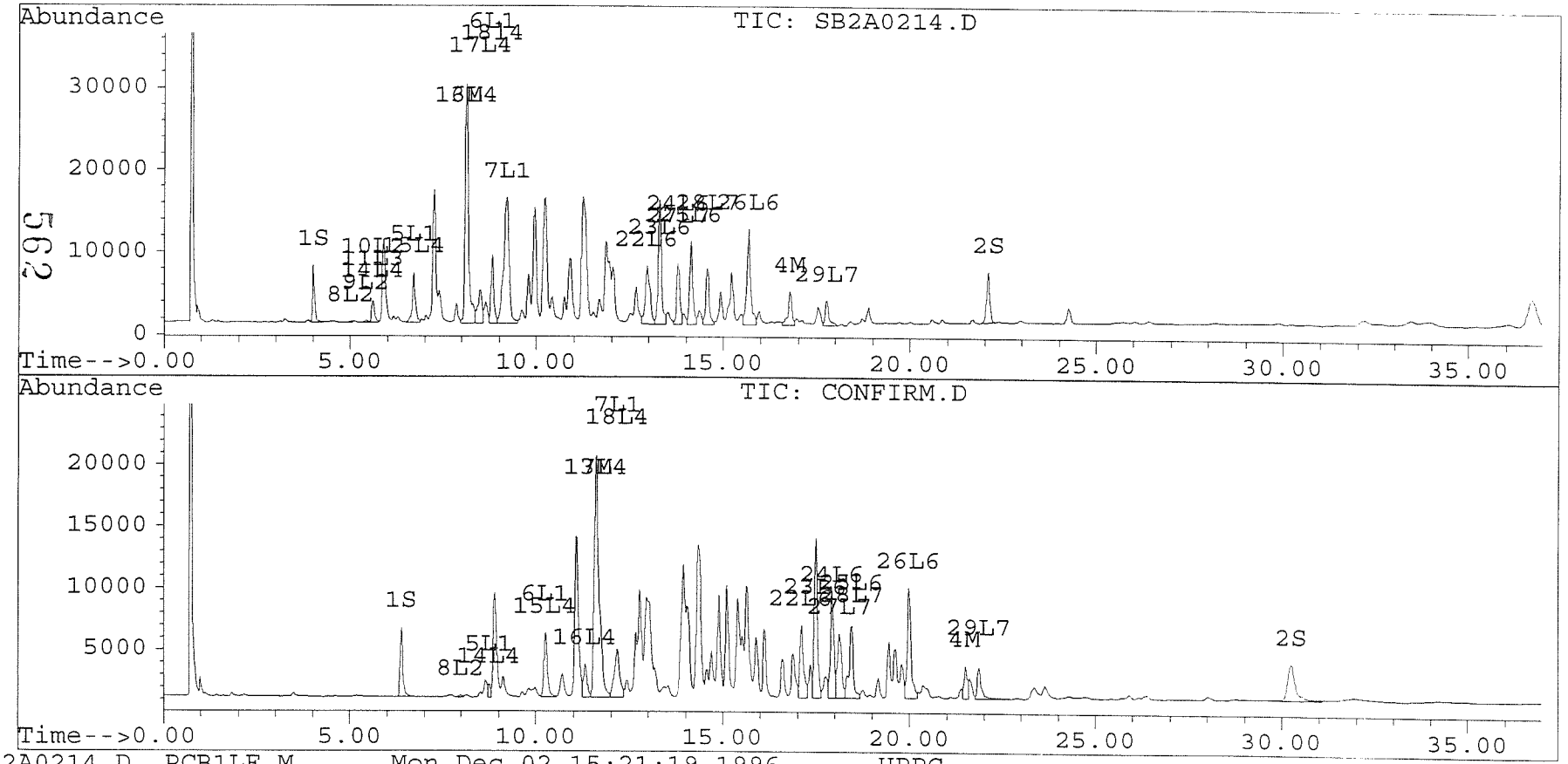
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0214.D Vial: 26
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0214.D\CONFIRM.D
Acq On : 30 Nov 96 02:36 PM Operator: JS
Sample : VHB,C0995-101,PG7 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:20 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0215.D Vial: 27
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0215.D\CONFIRM.D
Acq On : 30 Nov 96 03:16 PM Operator: JS
Sample : VHB,C0995-102,PG8 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

90% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	7062	5493	36.537	35.682
				Recovery	=	91.34%	89.21%
2) S	Decachlorobiphenyl	22.08	30.25	5878	2928	37.150	39.548
				Recovery	=	92.88%	98.87%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	32964	23490	441.526	355.326
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	7053	4907	54.269	40.377 #
5) L1	Aroclor-1016	6.70	8.75	8097	1430	329.295	150.907 #
6) L1	Aroclor-1016 (2)	8.82	10.26	9589	7090	799.450	333.958 #
7) L1	Aroclor-1016 (3)	9.20	12.18	21413	4258	1121.023	353.953 #
Total	Aroclor-1016			39100	12779	2249.768	838.819
Average	Aroclor-1016					749.923	279.606
8) L2	Aroclor-1221	5.01f	7.97f	181	337	25.836	55.159 #
9) L2	Aroclor-1221 (2)	5.42f	0.00	368	0	63.094	N.D. #
10) L2	Aroclor-1221 (3)	0.00	8.75f	0	1430	N.D.	93.119 #
Total	Aroclor-1221			549	1767	88.930	148.277
Average	Aroclor-1221					44.465	74.139
11) L3	Aroclor-1232	0.00	8.75f	0	1430	N.D.	99.758 #
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	1430	N.D.	99.758
Average	Aroclor-1232					0.000	99.758
14) L4	Aroclor-1242	5.59	8.75	2726	1430	170.954	110.687 #
15) L4	Aroclor-1242 (2)	6.70	10.26	8097	7090	273.425	277.116
16) L4	Aroclor-1242 (3)	8.11	11.32	32964	3503	792.708	326.294 #
17) L4	Aroclor-1242 (4)	8.49	11.61	5028	23490	291.471	723.619 #
18) L4	Aroclor-1242 (5)	8.82	12.18	9589	4258	683.079	297.170 #
Total	Aroclor-1242			58405	39772	2211.636	1734.886
Average	Aroclor-1242					442.327	346.977
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0215.D PCB1LE.M Mon Dec 02 15:22:05 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0215.D Vial: 27
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0215.D\CONFIRM.D
Acq On : 30 Nov 96 03:16 PM Operator: JS
Sample : VHB,C0995-102,PG8 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	12078	10600	515.296	504.742
23) L6 Aroclor-1254 {2}	13.29	17.50	25964	24215	528.902	511.918
24) L6 Aroclor-1254 {3}	13.78	17.93	12216	16164	527.256	563.511
25) L6 Aroclor-1254 (4)	14.13	18.45	17528	10406	577.328	538.659
26) L6 Aroclor-1254 (5)	15.67	19.98	20672	16673	567.683	558.355
Total Aroclor-1254			88457	78058	2716.465	2677.186
Average Aroclor-1254					543.293	535.437
27) L7 Aroclor-1260	13.78	18.13	12216	8775	480.865	365.004
28) L7 Aroclor-1260 {2}	14.57	18.45	11304	10406	391.051	386.222
29) L7 Aroclor-1260 {3}	17.77	21.86	4994	4674	123.691	114.517
Total Aroclor-1260			28515	23856	995.606	865.743
Average Aroclor-1260					331.869	288.581
30) L8 Aroclor-1268	18.88	23.33f	3728	1225	NoCal	285.224 #
31) L8 Aroclor-1268 {2}	0.00	23.47f	0	743	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	1225	N.D.	285.224
Average Aroclor-1268					0.000	285.224

$\frac{1486 \times \frac{5}{2} \times 25}{15 \times 0.90} = 6880$ $\frac{2677 \times 25}{15 \times 0.90} = 4960$

190 | 370
564

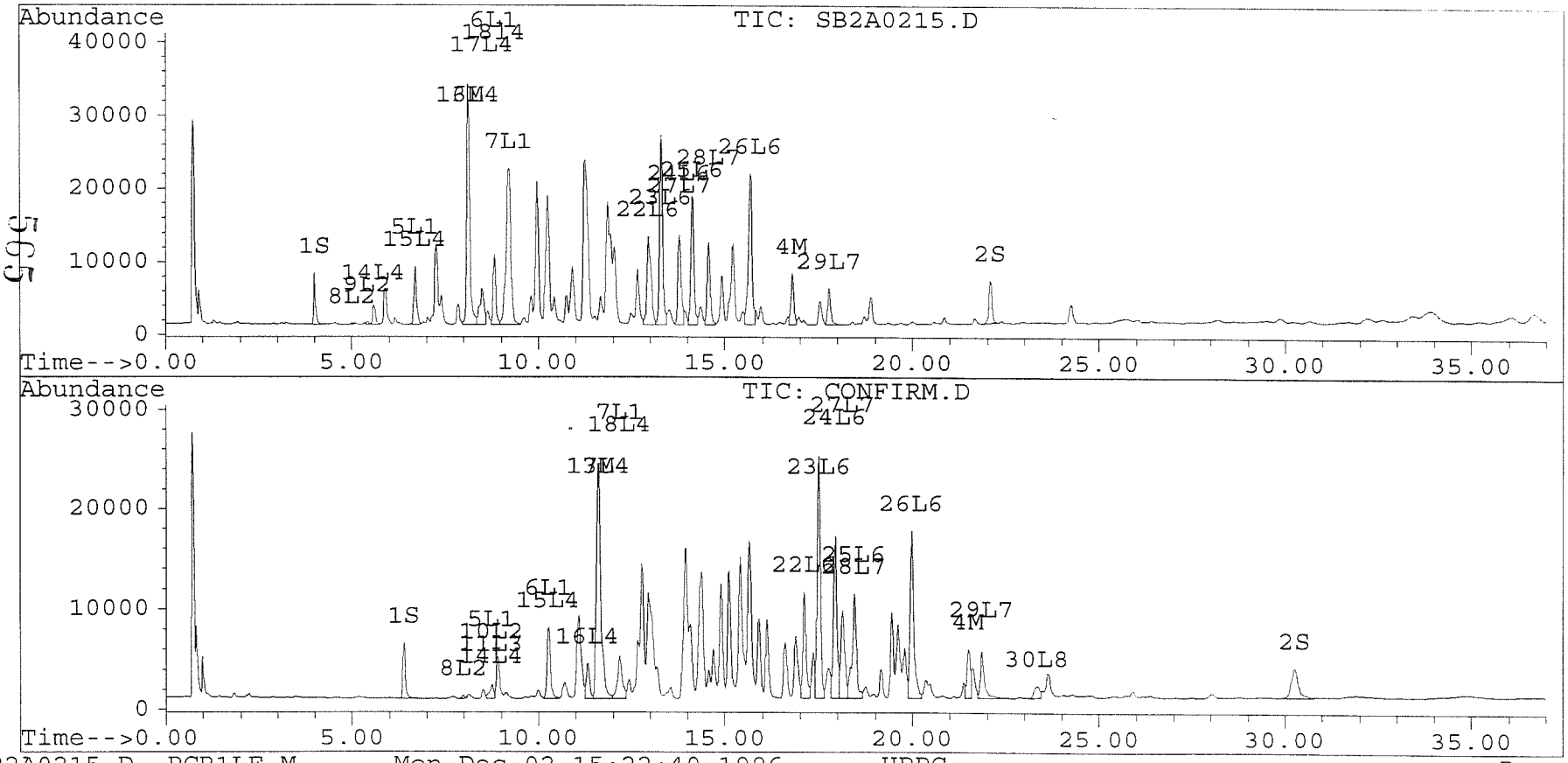
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0215.D Vial: 27
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0215.D\CONFIRM.D
Acq On : 30 Nov 96 03:16 PM Operator: JS
Sample : VHB,C0995-102,PG8 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:21 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0216.D Vial: 28
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0216.D\CONFIRM.D
Acq On : 30 Nov 96 03:57 PM Operator: JS
Sample : VHB,C0995-103,PG9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

93%

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.00	6.39	7508	6051	38.841	39.307
			Recovery	=	97.10%	98.27%
2) S Decachlorobiphenyl	22.09	30.25	6483	3172	40.974	42.843
			Recovery	=	102.44%	107.11%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.11	11.60	57991	41028	776.743	620.606
4) M 2,2',3,3',4,4'-Hexa	16.79	21.50	13458	9946	103.554	81.849
5) L1 Aroclor-1016	6.69	8.74	18858	4681	766.900	494.133 #
6) L1 Aroclor-1016 {2}	8.81	10.26	17716	16106	1476.922	758.573 #
7) L1 Aroclor-1016 {3}	9.19	12.19	33960	11020	1777.885	915.922 #
Total Aroclor-1016			70533	31806	4021.707	2168.629
Average Aroclor-1016					1340.569	722.876
8) L2 Aroclor-1221	5.08f	7.97f	638	1025	91.003	167.617 #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			638	1025	91.003	167.617
Average Aroclor-1221					91.003	167.617
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	5.58	8.74	8543	4681	535.707	362.437 #
15) L4 Aroclor-1242 {2}	6.69	10.26	18858	16106	636.784	629.459
16) L4 Aroclor-1242 {3}	8.11	11.32	57991	7744	1394.551	721.350 #
17) L4 Aroclor-1242 (4)	8.49	11.60	13072	41028	757.804	1263.859 #
18) L4 Aroclor-1242 (5)	8.81	12.19	17716	11020	1261.935	768.984 #
Total Aroclor-1242			116180	80578	4586.780	3746.088
Average Aroclor-1242					917.356	749.218
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0216.D PCB1LE.M Mon Dec 02 15:23:26 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0216.D Vial: 28
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0216.D\CONFIRM.D
Acq On : 30 Nov 96 03:57 PM Operator: JS
Sample : VHB,C0995-103,PG9 Inst : SB2
Misc : 15.0g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	22953	20810	979.302	990.935
23) L6 Aroclor-1254 {2}	13.29	17.50	48547	41511	988.933	877.575
24) L6 Aroclor-1254 {3}	13.78	17.93	22802	30766	984.175	1072.562
25) L6 Aroclor-1254 (4)	14.12	18.45	33407	19655	1100.325	1017.394
26) L6 Aroclor-1254 (5)	15.67	19.98	39257	32335	1078.077	1082.877
Total Aroclor-1254			166966	145077	5130.811	5041.344
Average Aroclor-1254					1026.162	1008.269
27) L7 Aroclor-1260	13.78	18.13	22802	16048	897.580	667.496 #
28) L7 Aroclor-1260 {2}	14.56	18.45	19383	19655	670.529	729.479
29) L7 Aroclor-1260 {3}	17.77	21.86	8647	8093	214.167	198.279
Total Aroclor-1260			50833	43796	1782.276	1595.254
Average Aroclor-1260					594.092	531.751
30) L8 Aroclor-1268	18.88	0.00	6526	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 Use 2 pts

$\frac{2656 \times \frac{5}{2} \times 25}{15.0 \times 0.93} = 11,900$ $\frac{5041 \times 25}{15.0 \times 0.93} = 9030$

mRL = 180 | 360 567

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

Quantitation Report

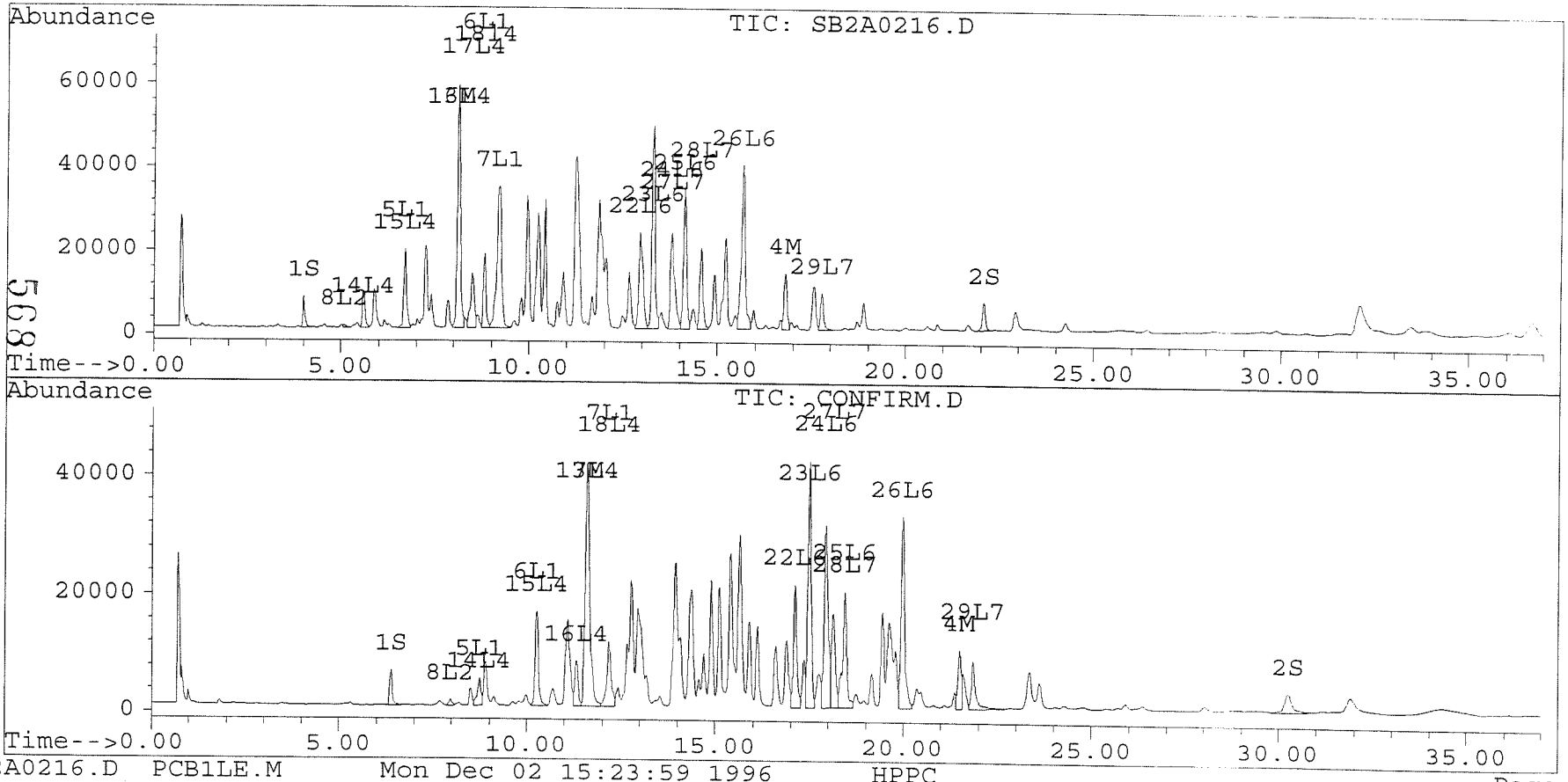
Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0216.D
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0216.D\CONFIRM.D
Acq On : 30 Nov 96 03:57 PM
Sample : VHB,C0995-103,PG9
Misc : 15.0g,25mL,No Dilution
Quant Time: Dec 2 15:23 1996

Vial: 28
Operator: JS
Inst : SB2
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701
Signal #1 Info : 0.53 MM

Signal #2 Phase: DB-608
Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0217.D Vial: 29
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0217.D\CONFIRM.D
Acq On : 30 Nov 96 04:37 PM Operator: JS
Sample : VHB,C0995-104,PH7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

89% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.00	6.39	7197	5709	37.234	37.087	
				Recovery	=	93.09%	92.72%	
2) S	Decachlorobiphenyl	22.08	30.25	5919	2860	37.409	38.637	
				Recovery	=	93.52%	96.59%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.11	11.61	9709	6431	130.039	97.285	#
4) M	2,2',3,3',4,4'-Hexa	16.80	21.50	1997	1646	15.366	13.548	
5) L1	Aroclor-1016	6.70	8.75	1995	392	81.112	41.400	#
6) L1	Aroclor-1016 {2}	8.82	10.27	2512	1851	209.441	87.162	#
7) L1	Aroclor-1016 {3}	9.19	12.18	5921	1440	309.967	119.726	#
Total	Aroclor-1016			10428	3683	600.520	248.288	
Average	Aroclor-1016					200.173	82.763	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.	
10) L2	Aroclor-1221 {3}	5.59f	8.75f	935	392	46.271	25.546	#
Total	Aroclor-1221			935	392	46.271	25.546	
Average	Aroclor-1221					46.271	25.546	
11) L3	Aroclor-1232	5.59f	8.75f	935	392	51.257	27.368	#
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1232			935	392	51.257	27.368	
Average	Aroclor-1232					51.257	27.368	
14) L4	Aroclor-1242	5.59	8.75	935	392	58.628	30.366	#
15) L4	Aroclor-1242 {2}	6.70	10.27	1995	1851	67.350	72.326	
16) L4	Aroclor-1242 {3}	8.11	11.32	9709	856	233.470	79.742	#
17) L4	Aroclor-1242 (4)	8.49	11.61	1403	6431	81.351	198.119	#
18) L4	Aroclor-1242 (5)	8.82	12.18	2512	1440	178.954	100.519	#
Total	Aroclor-1242			16554	10971	619.752	481.073	
Average	Aroclor-1242					123.950	96.215	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.	

569

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0217.D Vial: 29
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0217.D\CONFIRM.D
Acq On : 30 Nov 96 04:37 PM Operator: JS
Sample : VHB,C0995-104,PH7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	3223	2842	137.513	135.324
23) L6 Aroclor-1254 {2}	13.29	17.50	7292	6290	148.547	132.986
24) L6 Aroclor-1254 {3}	13.78	17.94	3585	4614	154.714	160.844
25) L6 Aroclor-1254 (4)	14.13	18.45	4918	3035	161.990	157.103
26) L6 Aroclor-1254 (5)	15.67	19.98	5718	4627	157.025	154.939
Total Aroclor-1254			24736	21408	759.788	741.196
Average Aroclor-1254					151.958	148.239
27) L7 Aroclor-1260	13.78	18.13	3585	2735	141.101	113.754
28) L7 Aroclor-1260 {2}	14.57	18.45	3384	3035	117.066	112.644
29) L7 Aroclor-1260 {3}	17.77	21.86	1421	1478	35.199	36.203
Total Aroclor-1260			8390	7248	293.367	262.602
Average Aroclor-1260					97.789	87.534
30) L8 Aroclor-1268	18.88	0.00	1134	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 – Use 2 pts

$\frac{412 \times \frac{5}{2} \times 25}{15.3 \times 0.89} = 1890$ $\frac{741 \times 25}{15.3 \times 0.89} = 1360$

MRL = 180/370
570

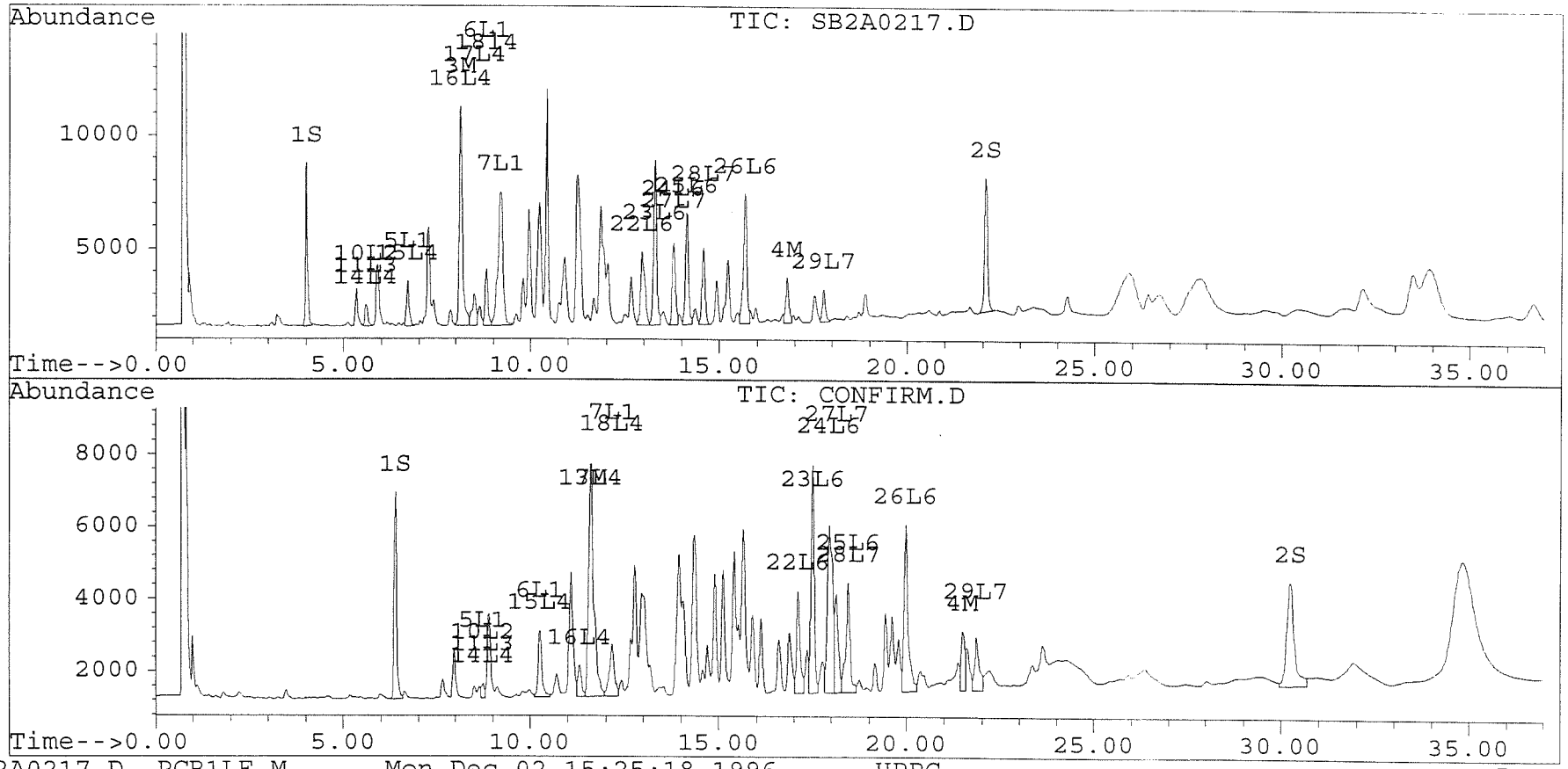
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0217.D Vial: 29
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0217.D\CONFIRM.D
Acq On : 30 Nov 96 04:37 PM Operator: JS
Sample : VHB,C0995-104,PH7 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:24 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0218.D Vial: 30
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0218.D\CONFIRM.D
Acq On : 30 Nov 96 05:18 PM Operator: JS
Sample : VHB,C0995-105,PH8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

95%

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	7683	5926	39.750	38.496
				Recovery	=	99.38%	96.24%
2) S	Decachlorobiphenyl	22.09	30.25	6838	3323	43.218	44.894
				Recovery	=	108.05%	112.24%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.60	70388	49519	942.792	749.048
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	14830	10598	114.111	87.213
5) L1	Aroclor-1016	6.69	8.74	19198	3012	780.740	317.910 #
6) L1	Aroclor-1016 (2)	8.81	10.26	20316	15367	1693.658	723.785 #
7) L1	Aroclor-1016 (3)	9.19	12.18	40960	9850	2144.374	818.669 #
Total	Aroclor-1016			80474	28228	4618.771	1860.365
Average	Aroclor-1016					1539.590	620.122
8) L2	Aroclor-1221	5.08f	7.97f	303	658	43.263	107.563 #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			303	658	43.263	107.563
Average	Aroclor-1221					43.263	107.563
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.58	8.74	8470	3012	531.096	233.181 #
15) L4	Aroclor-1242 (2)	6.69	10.26	19198	15367	648.276	600.592
16) L4	Aroclor-1242 (3)	8.11	11.32	70388	7573	1692.671	705.451 #
17) L4	Aroclor-1242 (4)	8.49	11.60	11051	49519	640.663	1525.431 #
18) L4	Aroclor-1242 (5)	8.81	12.18	20316	9850	1447.122	687.333 #
Total	Aroclor-1242			129422	85321	4959.827	3751.987
Average	Aroclor-1242					991.965	750.397
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

572

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0218.D Vial: 30
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0218.D\CONFIRM.D
Acq On : 30 Nov 96 05:18 PM Operator: JS
Sample : VHB,C0995-105,PH8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	26462	22986	1129.021	1094.544
23) L6 Aroclor-1254 {2}	13.29	17.50	52831	47627	1076.200	1006.869
24) L6 Aroclor-1254 {3}	13.78	17.93	24730	34637	1067.396	1207.483
25) L6 Aroclor-1254 (4)	14.12	18.45	37680	21519	1241.047	1113.892
26) L6 Aroclor-1254 (5)	15.67	19.98	42333	34255	1162.535	1147.178
Total Aroclor-1254			184036	161023	5676.198	5569.966
Average Aroclor-1254					1135.240	1113.993
27) L7 Aroclor-1260	13.78	18.13	24730	17793	973.479	740.108
28) L7 Aroclor-1260 {2}	14.56	18.45	23643	21519	817.891	798.668
29) L7 Aroclor-1260 {3}	17.77	21.86	11415	10671	282.718	261.440
Total Aroclor-1260			59789	49984	2074.089	1800.216
Average Aroclor-1260					691.363	600.072
30) L8 Aroclor-1268	18.88	23.33	8441	2560	NoCal	595.990 #
31) L8 Aroclor-1268 {2}	0.00	23.47f	0	1661	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	2560	N.D.	595.990
Average Aroclor-1268					0.000	595.990

$\frac{3140 \times \frac{5}{2} \times 25}{15.5 \times 0.95} = 1333^{0}$

$\frac{5570 \times 25}{15.5 \times 0.95} = 9460$

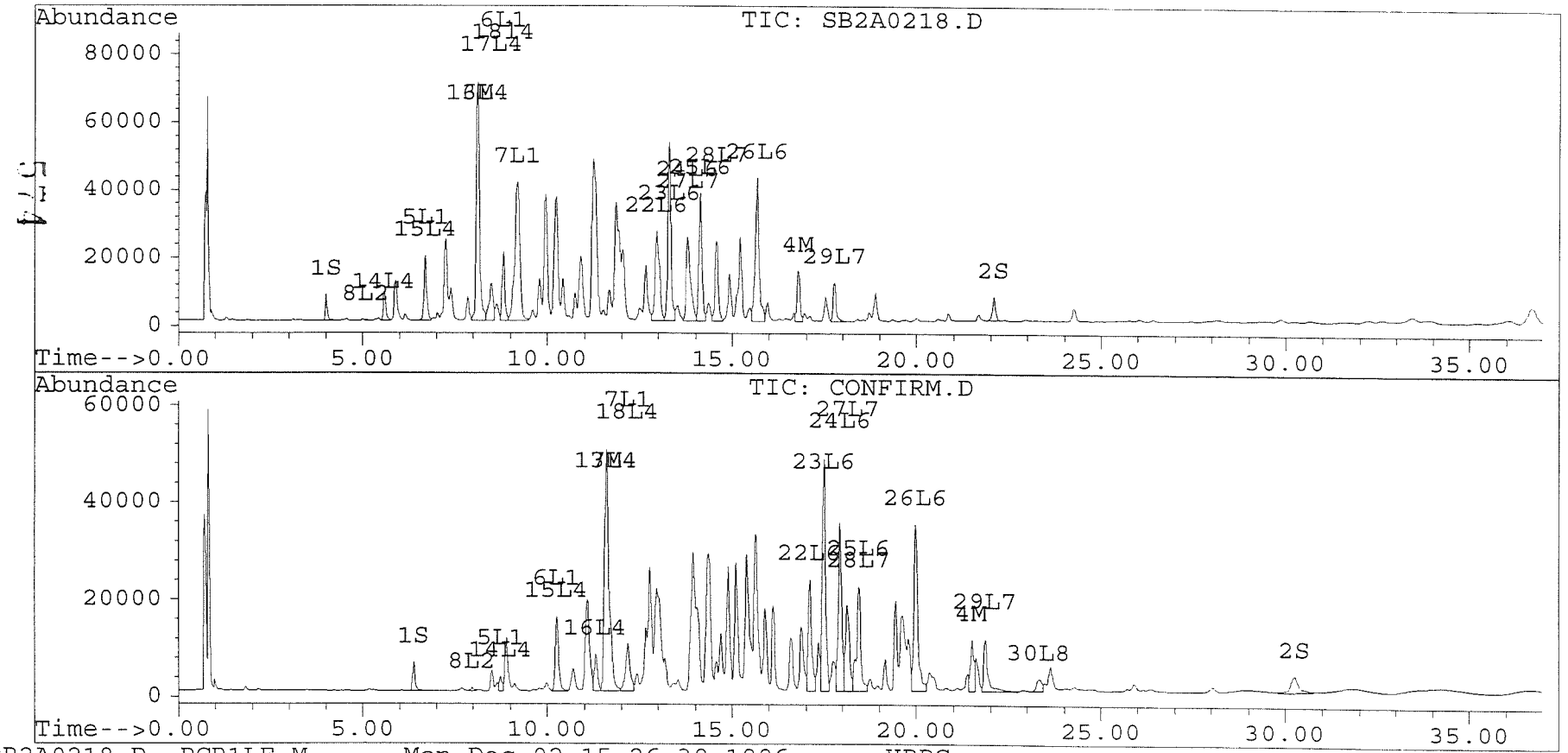
MRL = 170/340

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0218.D Vial: 30
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0218.D\CONFIRM.D
Acq On : 30 Nov 96 05:18 PM Operator: JS
Sample : VHB,C0995-105,PH8 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:25 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0285.D Vial: 34
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0285.D\CONFIRM.D
Acq On : 03 Dec 96 04:04 PM Operator: JS
Sample : 8080,VHB, C995-105, PH5 Inst : SB2
Misc : 15.5g, 25mL, 95% Solid, 2x dilution Multiplr: 1.00
Quant Time: Dec 3 16:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	3702	2778	19.155	18.046
				Recovery	=	47.89%	45.12%
2) S	Decachlorobiphenyl	22.09	30.25	3312	1634	20.931	22.075
				Recovery	=	52.33%	55.19%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.61	36929	25642	494.631	387.873
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	7158	5213	55.078	42.897
5) L1	Aroclor-1016	6.69	8.74	10557	1573	429.330	166.072 #
6) L1	Aroclor-1016 (2)	8.81	10.26	10200	8348	850.372	393.186 #
7) L1	Aroclor-1016 (3)	9.20	12.18	22580	5188	1182.102	431.245 #
Total	Aroclor-1016			43337	15110	2461.804	990.503
Average	Aroclor-1016					820.601	330.168
8) L2	Aroclor-1221	5.09f	7.97f	161	336	22.932	54.995 #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			161	336	22.932	54.995
Average	Aroclor-1221					22.932	54.995
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.58	8.74	4195	1573	263.039	121.810 #
15) L4	Aroclor-1242 (2)	6.69	10.26	10557	8348	356.488	326.263
16) L4	Aroclor-1242 (3)	8.11	11.32	36929	3956	888.051	368.518 #
17) L4	Aroclor-1242 (4)	8.49	11.61	5753	25642	333.513	789.900 #
18) L4	Aroclor-1242 (5)	8.81	12.18	10200	5188	726.588	362.062 #
Total	Aroclor-1242			67634	44708	2567.679	1968.552
Average	Aroclor-1242					513.536	393.710
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0285.D PCB1LE.M Tue Dec 03 16:43:08 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0285.D Vial: 34
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0285.D\CONFIRM.D
Acq On : 03 Dec 96 04:04 PM Operator: JS
Sample : 8080,VHB, C995-105, PH5 Inst : SB2
Misc : 15.5g, 25mL, 95% Solid, 2x dilution Multiplr: 1.00
Quant Time: Dec 3 16:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	12988	11512	554.136	548.164
23) L6 Aroclor-1254 {2}	13.29	17.50	27672	25205	563.690	532.861
24) L6 Aroclor-1254 {3}	13.78	17.93	12752	17625	550.406	614.447
25) L6 Aroclor-1254 (4)	14.13	18.45	18944	11210	623.939	580.251
26) L6 Aroclor-1254 (5)	15.67	19.98	21340	17234	586.027	577.155
Total Aroclor-1254			93695	82786	2878.198	2852.878
Average Aroclor-1254					575.640	570.576
27) L7 Aroclor-1260	13.78	18.13	12752	9465	501.977	393.674
28) L7 Aroclor-1260 {2}	14.57	18.45	12388	11210	428.546	416.044
29) L7 Aroclor-1260 {3}	17.77	21.86	5558	5288	137.663	129.555
Total Aroclor-1260			30699	25962	1068.186	939.274
Average Aroclor-1260					356.062	313.091
30) L8 Aroclor-1268	18.88	23.33	4089	1299	NoCal	302.435 #
31) L8 Aroclor-1268 {2}	0.00	23.47f	0	816	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	1299	N.D.	302.435
Average Aroclor-1268					0.000	302.435

AR1242 =

$\frac{1615 \times \frac{5}{2} \times 2 \times 25}{15.5 \times 0.95} = 13100$

576

AR1254 =

$\frac{2853 \times 25 \times 2}{15.5 \times 0.95} = 9702$

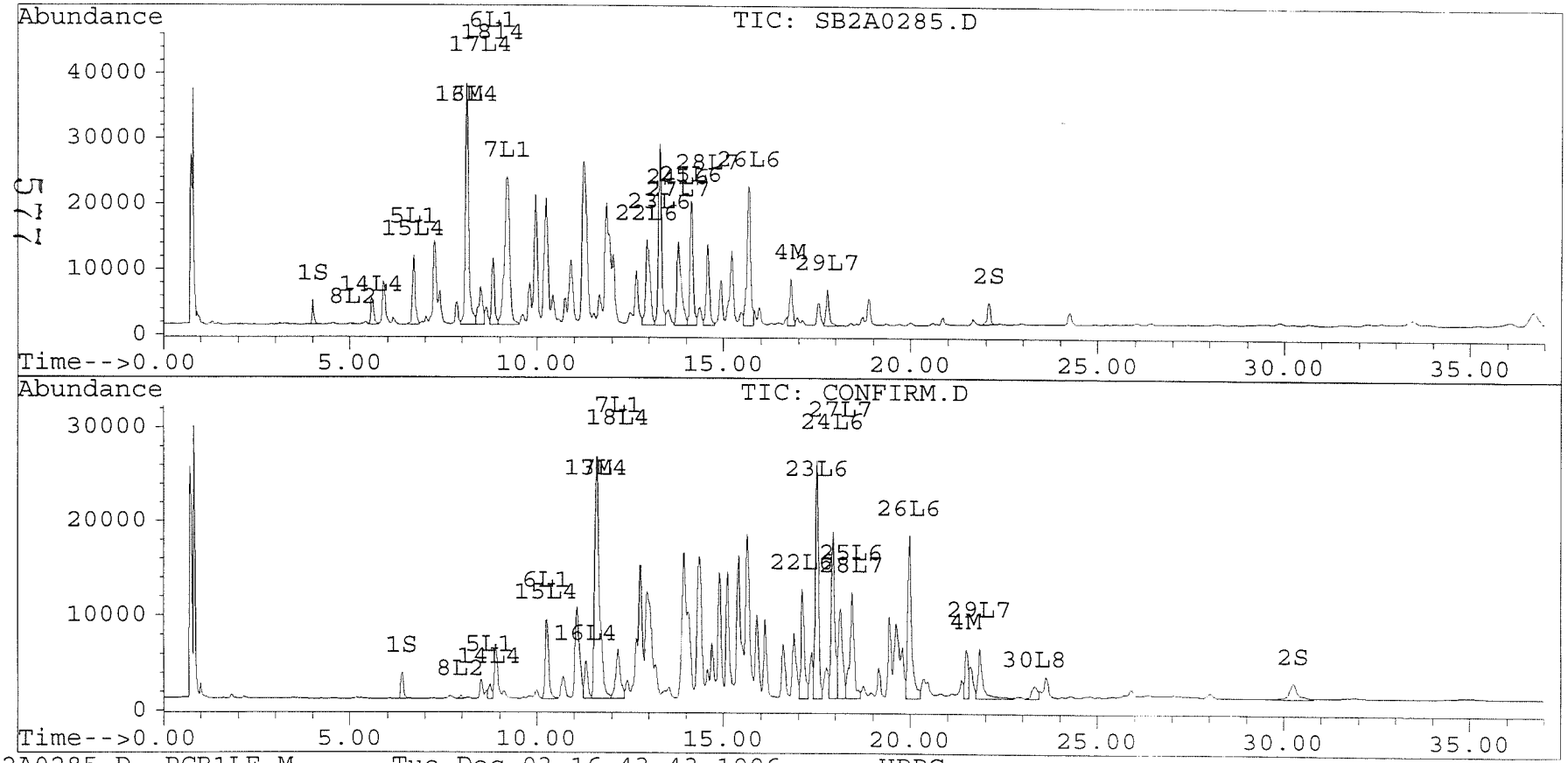
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0285.D Vial: 34
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0285.D\CONFIRM.D
Acq On : 03 Dec 96 04:04 PM Operator: JS
Sample : 8080,VHB, C995-105, PH5 Inst : SB2
Misc : 15.5g, 25mL, 95% Solid, 2x dilution Multiplr: 1.00
Quant Time: Dec 3 16:42 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0222.D Vial: 34
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0222.D\CONFIRM.D
Acq On : 30 Nov 96 08:00 PM Operator: JS
Sample : VHB,C0995-106,PI10 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

91% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	5976	4819	30.919	31.305
				Recovery	=	77.30%	78.26%
2) S	Decachlorobiphenyl	22.09	30.25	5836	2980	36.883	40.255
				Recovery	=	92.21%	100.64%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.10	11.60	123365	90266	1652.381	1365.414
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	57499	45179	442.439	371.779
5) L1	Aroclor-1016	6.69	8.74	40881	5541	1662.538	584.877 #
6) L1	Aroclor-1016 {2}	8.81	10.26	34485	35396	2874.901	1667.146
7) L1	Aroclor-1016 {3}	9.18	12.19	89102	16605	4664.740	1380.175
Total	Aroclor-1016			164468	57542	9202.179	3632.198
Average	Aroclor-1016					3067.393	1210.733
8) L2	Aroclor-1221	5.08	7.97f	460	915	65.634	149.588 #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			460	915	65.634	149.588
Average	Aroclor-1221					65.634	149.588
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	5.58	8.74	9080	5541	569.356	428.995
15) L4	Aroclor-1242 {2}	6.69	10.26	40881	35396	1380.464	1383.386
16) L4	Aroclor-1242 {3}	8.10	11.32	123365	18029	2966.655	1679.368
17) L4	Aroclor-1242 (4)	8.49	11.60	21066	90266	1221.252	2780.654
18) L4	Aroclor-1242 (5)	8.81	12.19	34485	16605	2456.418	1158.758
Total	Aroclor-1242			228877	165837	8594.145	7431.161
Average	Aroclor-1242					1718.829	1486.232
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0222.D Vial: 34
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0222.D\CONFIRM.D
Acq On : 30 Nov 96 08:00 PM Operator: JS
Sample : VHB,C0995-106,PI10 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	91655	82343	3910.532	3921.041
23) L6 Aroclor-1254 {2}	13.29	17.50	175483	163859	3574.730	3464.126
24) L6 Aroclor-1254 {3}	13.78	17.93	80805	119448	3487.638	4164.134
25) L6 Aroclor-1254 (4)	14.12	18.45	129111	72023	4252.475	3728.162
26) L6 Aroclor-1254 (5)	15.67	19.98	151134	125303	4150.419	4196.284
Total Aroclor-1254			628188	562976	19375.795	19473.747
Average Aroclor-1254					3875.159	3894.749
27) L7 Aroclor-1260	13.78	18.13	80805	58686	3180.771	2441.012
28) L7 Aroclor-1260 {2}	14.56	18.45	75180	72023	2600.701	2673.118
29) L7 Aroclor-1260 {3}	17.77	21.86	34866	31839	863.524	780.025
Total Aroclor-1260			190851	162547	6644.997	5894.154
Average Aroclor-1260					2214.999	1964.718
30) L8 Aroclor-1268	18.88	23.32	26061	5085	NoCal	1183.823 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	5085	N.D.	1183.823
Average Aroclor-1268					0.000	1183.823

AR1242 - use 2pks

$\frac{5423 \times \frac{5}{2} \times 25}{15.3 \times 0.91} = 24,340$

AR1254

$\frac{19376 \times 25}{15.3 \times 0.91}$ 34,790

MRL = 579 / 180 / 36.

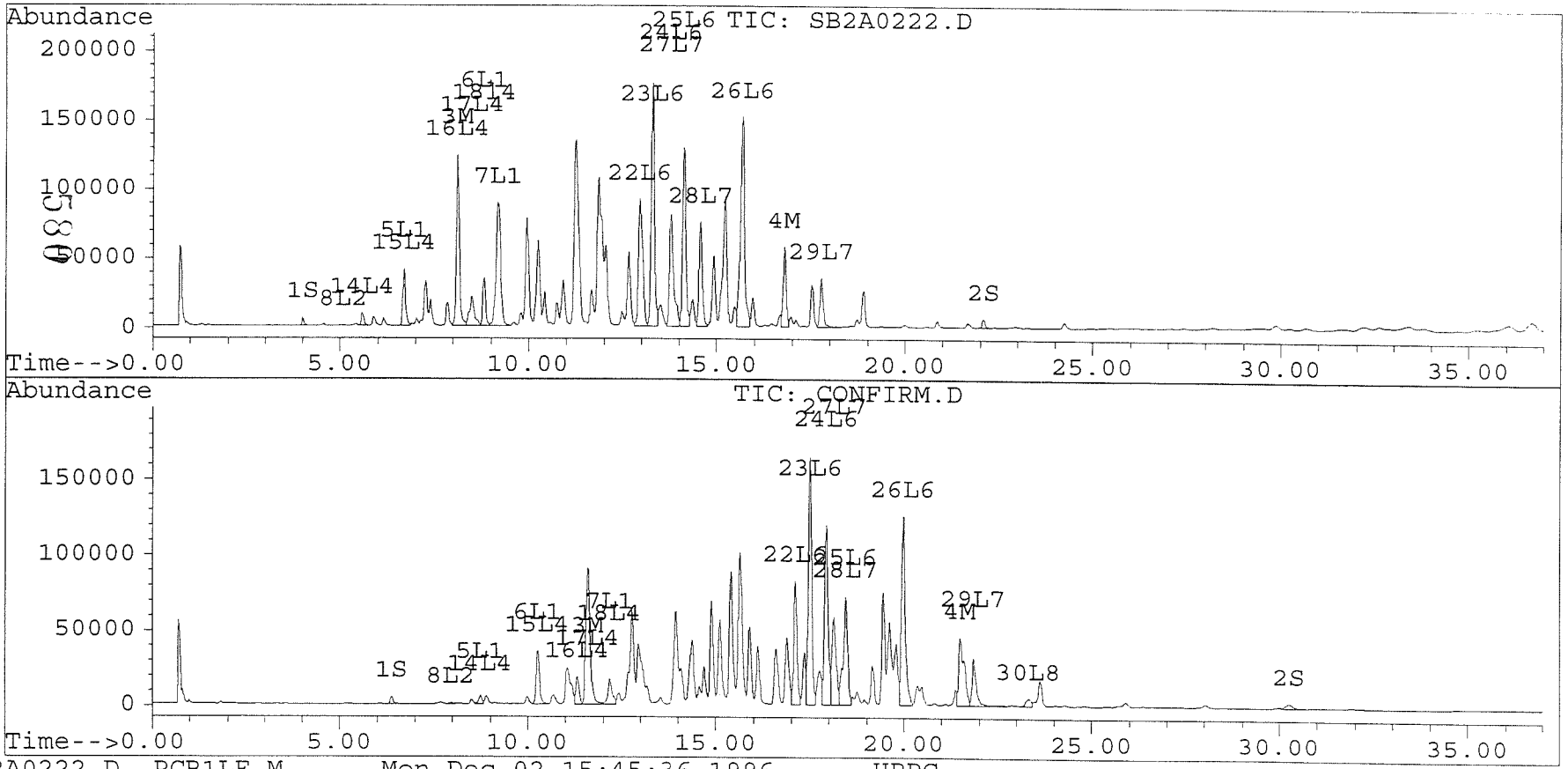
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0222.D Vial: 34
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0222.D\CONFIRM.D
Acq On : 30 Nov 96 08:00 PM Operator: JS
Sample : VHB,C0995-106,PI10 Inst : SB2
Misc : 15.3g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:44 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0286.D Vial: 35
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0286.D\CONFIRM.D
Acq On : 03 Dec 96 04:44 PM Operator: JS
Sample : 8080,VHB, C995-106, PI10 Inst : SB2
Misc : 15.3g, 25mL, 91% Solid, 10x dilution Multiplr: 1.00
Quant Time: Dec 3 17:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.00	6.39	746	580	3.861	3.766	
				Recovery	=	9.65%	9.41%	
2) S	Decachlorobiphenyl	22.09	30.25	761	399	4.809	5.395	
				Recovery	=	12.02%	13.49%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.11	11.60	18519	13217	248.054	199.921	
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	7470	5423	57.482	44.625	
5) L1	Aroclor-1016	6.70	8.75	7022	808	285.553	85.318	#
6) L1	Aroclor-1016 {2}	8.82	10.27	4621	6080	385.210	286.371	#
7) L1	Aroclor-1016 {3}	9.18	12.19	15798	2411	827.078	200.411	#
Total	Aroclor-1016			27440	9300	1497.841	572.100	
Average	Aroclor-1016					499.280	190.700	
8) L2	Aroclor-1221	5.08f	7.97f	66	124	9.358	20.249	#
9) L2	Aroclor-1221 {2}	5.42f	0.00	171	0	29.283	N.D.	#
10) L2	Aroclor-1221 {3}	0.00	8.75f	0	808	N.D.	52.646	#
Total	Aroclor-1221			236	932	38.641	72.895	
Average	Aroclor-1221					19.320	36.447	
11) L3	Aroclor-1232	0.00	8.75f	0	808	N.D.	56.400	#
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1232			0	808	N.D.	56.400	
Average	Aroclor-1232					0.000	56.400	
14) L4	Aroclor-1242	5.59	8.75	1278	808	80.140	62.579	
15) L4	Aroclor-1242 {2}	6.70	10.27	7022	6080	237.105	237.628	
16) L4	Aroclor-1242 {3}	8.11	11.32	18519	2707	445.351	252.181	#
17) L4	Aroclor-1242 (4)	8.49	11.60	3051	13217	176.883	407.137	#
18) L4	Aroclor-1242 (5)	8.82	12.19	4621	2411	329.137	168.260	#
Total	Aroclor-1242			34491	25223	1268.615	1127.784	
Average	Aroclor-1242					253.723	225.557	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.	

581

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0286.D Vial: 35
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0286.D\CONFIRM.D
Acq On : 03 Dec 96 04:44 PM Operator: JS
Sample : 8080,VHB, C995-106, PI10 Inst : SB2
Misc : 15.3g, 25mL, 91% Solid, 10x dilution Multiplr: 1.00
Quant Time: Dec 3 17:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	13054	11605	556.974	552.595
23) L6 Aroclor-1254 {2}	13.29	17.50	28042	25906	571.239	547.679
24) L6 Aroclor-1254 {3}	13.78	17.93	12838	17811	554.112	620.917
25) L6 Aroclor-1254 (4)	14.13	18.45	19226	11146	633.257	576.958
26) L6 Aroclor-1254 (5)	15.67	19.98	22633	18262	621.535	611.591
Total Aroclor-1254			95794	84730	2937.117	2909.741
Average Aroclor-1254					587.423	581.948
27) L7 Aroclor-1260	13.78	18.13	12838	9274	505.357	385.754
28) L7 Aroclor-1260 {2}	14.57	18.45	12039	11146	416.449	413.683
29) L7 Aroclor-1260 {3}	17.77	21.86	4401	3922	109.001	96.080
Total Aroclor-1260			29278	24342	1030.807	895.518
Average Aroclor-1260					343.602	298.506
30) L8 Aroclor-1268	18.88	23.31	3208	726	NoCal	168.969 #
31) L8 Aroclor-1268 {2}	0.00	23.48f	0	468	N.D.	NoCal
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	726	N.D.	168.969
Average Aroclor-1268					0.000	168.969

AR1242

$$\frac{774 \times \frac{5}{2} \times 25 \times 10}{15.3 \times 0.91} =$$

34700

AR1254 =

$$\frac{2900 \times 25 \times 10}{15.3 \times 0.91} =$$

52,250

582

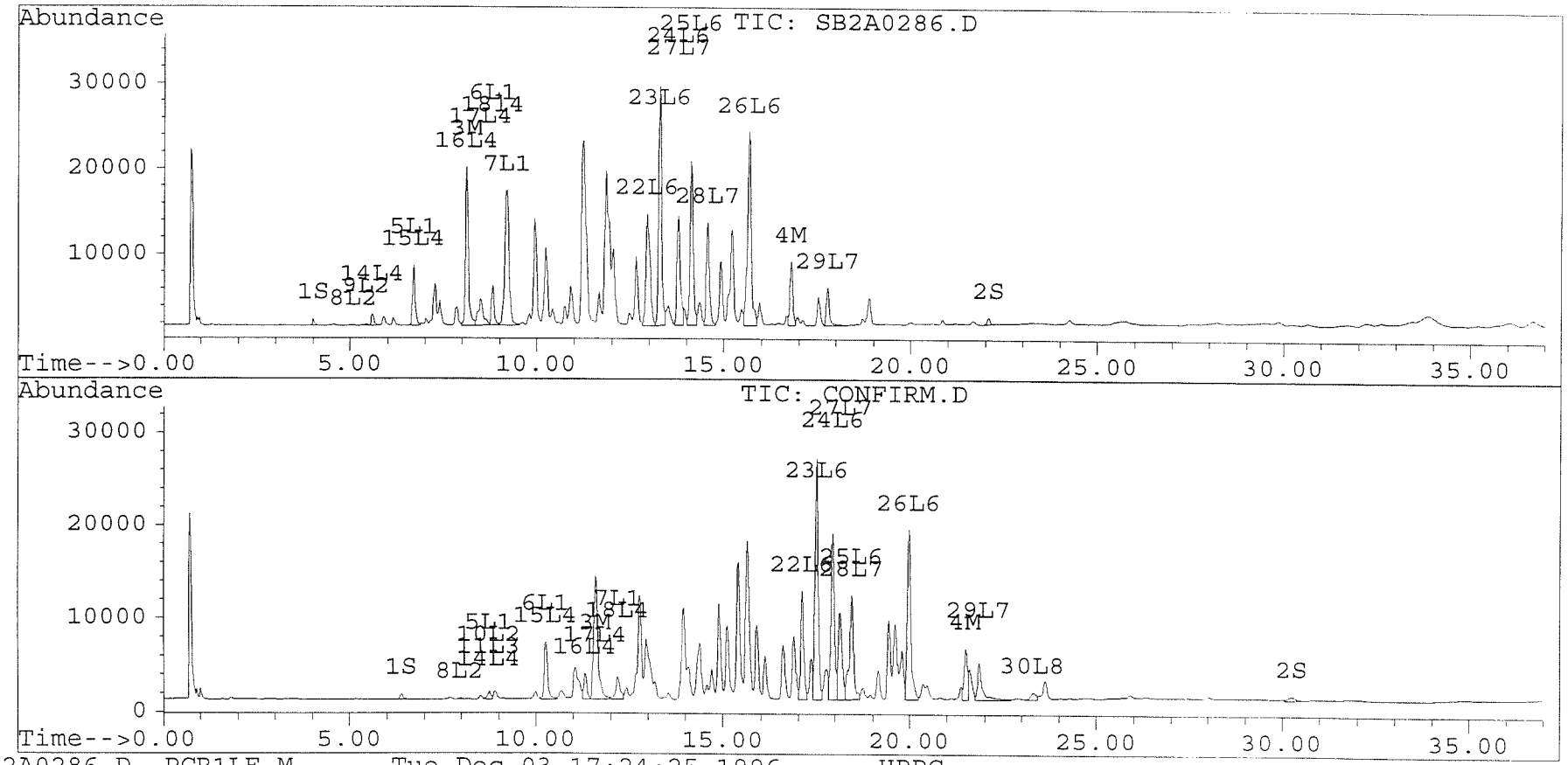
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0286.D PCB1LE.M Tue Dec 03 17:23:52 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0286.D Vial: 35
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0286.D\CONFIRM.D
Acq On : 03 Dec 96 04:44 PM Operator: JS
Sample : 8080,VHB, C995-106, PI10 Inst : SB2
Misc : 15.3g, 25mL, 91% Solid, 10x dilution Multiplr: 1.00
Quant Time: Dec 3 17:23 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0223.D Vial: 35
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0223.D\CONFIRM.D
Acq On : 30 Nov 96 08:41 PM Operator: JS
Sample : VHB,C0995-107,PI11 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

96%

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	6459	5251	33.417	34.113
				Recovery	=	83.54%	85.28%
2) S	Decachlorobiphenyl	22.09	30.25	6124	2811	38.707	37.973
				Recovery	=	96.77%	94.93%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.12	11.61	1384	1094	18.544	16.547
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	850	635	6.542	5.223
5) L1	Aroclor-1016	6.70	8.75	347	64	14.127	6.768 #
6) L1	Aroclor-1016 (2)	8.82	10.27	353	474	29.390	22.316
7) L1	Aroclor-1016 (3)	9.20	12.19	1218	341	63.788	28.358 #
Total	Aroclor-1016			1918	879	107.305	57.442
Average	Aroclor-1016					35.768	19.147
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	5.59f	8.75f	126	64	6.254	4.176 #
Total	Aroclor-1221			126	64	6.254	4.176
Average	Aroclor-1221					6.254	4.176
11) L3	Aroclor-1232	5.59f	8.75f	126	64	6.928	4.474 #
12) L3	Aroclor-1232 (2)	0.00	10.27f	0	474	N.D.	39.438 #
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			126	538	6.928	43.912
Average	Aroclor-1232					6.928	21.956
14) L4	Aroclor-1242	5.59	8.75	126	64	7.924	4.964 #
15) L4	Aroclor-1242 (2)	6.70	10.27	347	474	11.730	18.517 #
16) L4	Aroclor-1242 (3)	8.12	11.33	1384	316	33.294	29.394
17) L4	Aroclor-1242 (4)	8.50	11.61	232	1094	13.460	33.698 #
18) L4	Aroclor-1242 (5)	8.82	12.19	353	341	25.112	23.809
Total	Aroclor-1242			2443	2289	91.521	110.382
Average	Aroclor-1242					18.304	22.076
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0223.D PCB1LE.M Mon Dec 02 15:46:23 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0223.D Vial: 35
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0223.D\CONFIRM.D
Acq On : 30 Nov 96 08:41 PM Operator: JS
Sample : VHB,C0995-107,PI11 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	780	624	33.286	29.703
23) L6 Aroclor-1254 {2}	13.29	17.50	1719	1547	35.016	32.696
24) L6 Aroclor-1254 {3}	13.79	17.94	888	1107	38.322	38.591
25) L6 Aroclor-1254 (4)	14.13	18.45	1133	869	37.304	44.996
26) L6 Aroclor-1254 (5)	15.68	19.99	1578	1162	43.327	38.909
Total Aroclor-1254			6097	5308	187.253	184.894
Average Aroclor-1254					37.451	36.979
27) L7 Aroclor-1260	13.79	18.13	888	726	34.950	30.185
28) L7 Aroclor-1260 {2}	14.57	18.45	863	869	29.841	32.263
29) L7 Aroclor-1260 {3}	17.78	21.87	617	539	15.283	13.216
Total Aroclor-1260			2368	2134	80.074	75.664
Average Aroclor-1260					26.691	25.221
30) L8 Aroclor-1268	18.89	0.00	1239	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242 - Use 2pts

$\frac{58 \times \frac{5}{2} \times 25}{15.5 \times 0.96} = 240$

1254 =

$\frac{185 \times 25}{15.5 \times 0.96} = 310$

585 MRL = 170 | 340

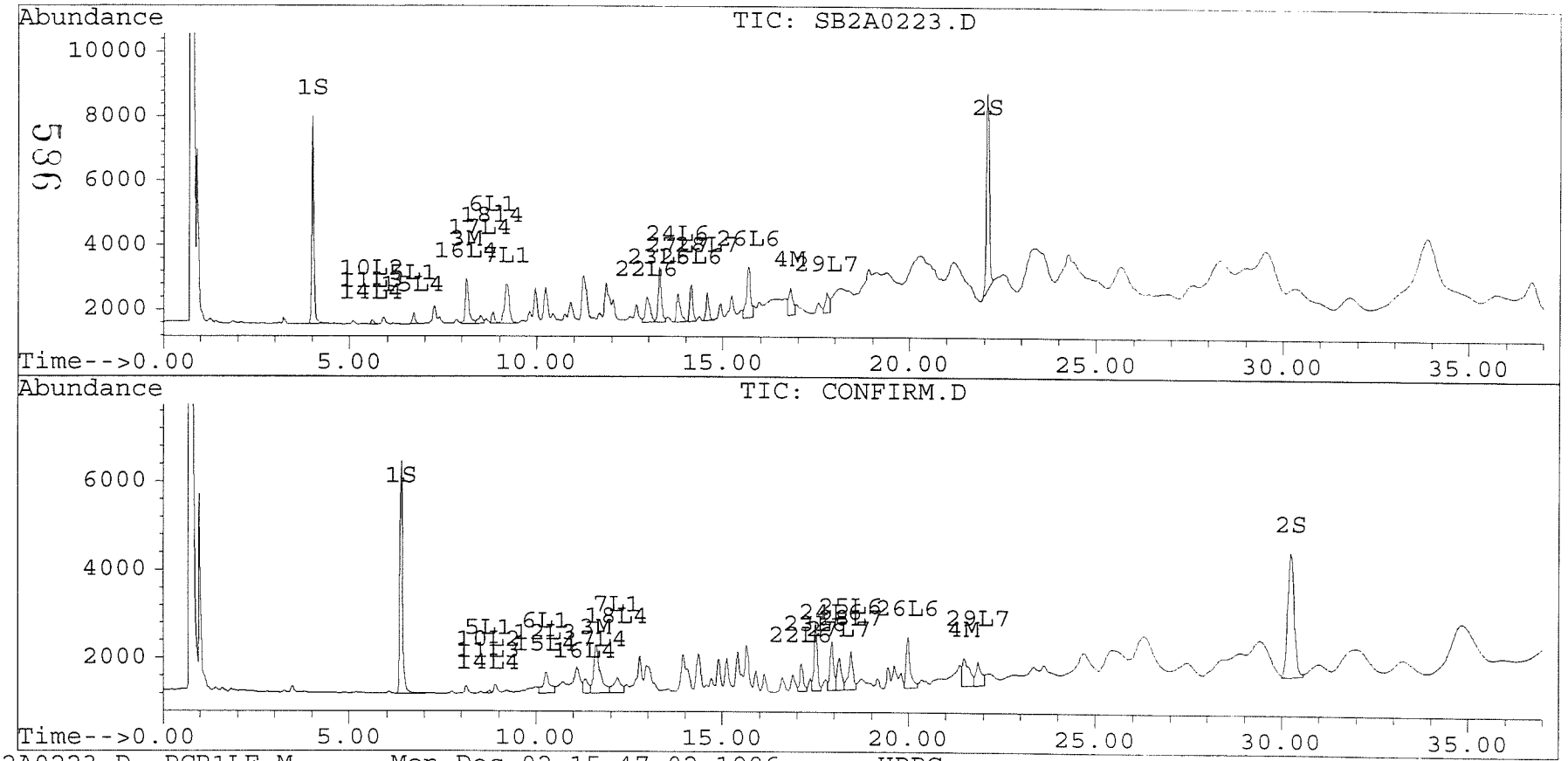
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0223.D Vial: 35
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0223.D\CONFIRM.D
Acq On : 30 Nov 96 08:41 PM Operator: JS
Sample : VHB,C0995-107,PI11 Inst : SB2
Misc : 15.5g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:46 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0224.D Vial: 36
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0224.D\CONFIRM.D
Acq On : 30 Nov 96 09:22 PM Operator: JS
Sample : VHB,C0995-108,PKK11 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:47 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

92% solut

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.00	6.39	7294	5803	37.735	37.696
			Recovery	=	94.34%	94.24%
2) S Decachlorobiphenyl	22.09	30.25	6496	3662	41.055	49.466
			Recovery	=	102.64%	123.67%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.13	11.62	419	295	5.607	4.458
4) M 2,2',3,3',4,4'-Hexa	16.80	21.50	467	1553	3.593	12.781 #
5) L1 Aroclor-1016	6.71	8.75	113	38	4.610	4.024
6) L1 Aroclor-1016 {2}	8.82	10.27	121	107	10.068	5.021 #
7) L1 Aroclor-1016 {3}	9.19	12.18	519	94	27.193	7.808 #
Total Aroclor-1016			754	239	41.872	16.854
Average Aroclor-1016					13.957	5.618
8) L2 Aroclor-1221	0.00	7.97f	0	37	N.D.	6.022 #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	8.75f	0	38	N.D.	2.483 #
Total Aroclor-1221			0	75	N.D.	8.505
Average Aroclor-1221					0.000	4.253
11) L3 Aroclor-1232	0.00	8.75f	0	38	N.D.	2.660 #
12) L3 Aroclor-1232 {2}	6.71f	10.27f	113	107	8.306	8.874
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			113	145	8.306	11.534
Average Aroclor-1232					8.306	5.767
14) L4 Aroclor-1242	5.58	8.75	376	38	23.550	2.952 #
15) L4 Aroclor-1242 {2}	6.71	10.27	113	107	3.828	4.167
16) L4 Aroclor-1242 {3}	8.13	11.33	419	82	10.067	7.601
17) L4 Aroclor-1242 (4)	8.50	11.62	102	295	5.890	9.078 #
18) L4 Aroclor-1242 (5)	8.82	12.18	121	94	8.603	6.555
Total Aroclor-1242			1130	615	51.938	30.353
Average Aroclor-1242					10.388	6.071
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	15.12f	0	511	N.D.	24.777 #

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0224.D Vial: 36
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0224.D\CONFIRM.D
Acq On : 30 Nov 96 09:22 PM Operator: JS
Sample : VHB,C0995-108,PKK11 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:47 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	511	N.D.	24.777
Average Aroclor-1248					0.000	24.777
22) L6 Aroclor-1254	12.96	17.12	447	441	19.069	20.983
23) L6 Aroclor-1254 {2}	13.29	17.50	1133	905	23.090	19.137
24) L6 Aroclor-1254 {3}	13.79	0.00	681	0	29.388	N.D. #
25) L6 Aroclor-1254 (4)	14.13	18.45	714	675	23.528	34.924 #
26) L6 Aroclor-1254 (5)	15.68	19.99	1099	1190	30.173	39.841 #
Total Aroclor-1254			4074	3210	125.248	114.885
Average Aroclor-1254					25.050	28.721
27) L7 Aroclor-1260	13.79	18.13	681	574	26.803	23.891
28) L7 Aroclor-1260 {2}	14.57	18.45	710	675	24.555	25.041
29) L7 Aroclor-1260 {3}	17.77	21.86	406	964	10.053	23.626 #
Total Aroclor-1260			1797	2213	61.411	72.558
Average Aroclor-1260					20.470	24.186
30) L8 Aroclor-1268	18.88	23.34f	336	255	NoCal	59.352 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	255	N.D.	59.352
Average Aroclor-1268					0.000	59.352

pos. chromat

AR1254= $\frac{125 \times 25}{15.4 \times 0.92} = 220$

588 MRL = 180/350

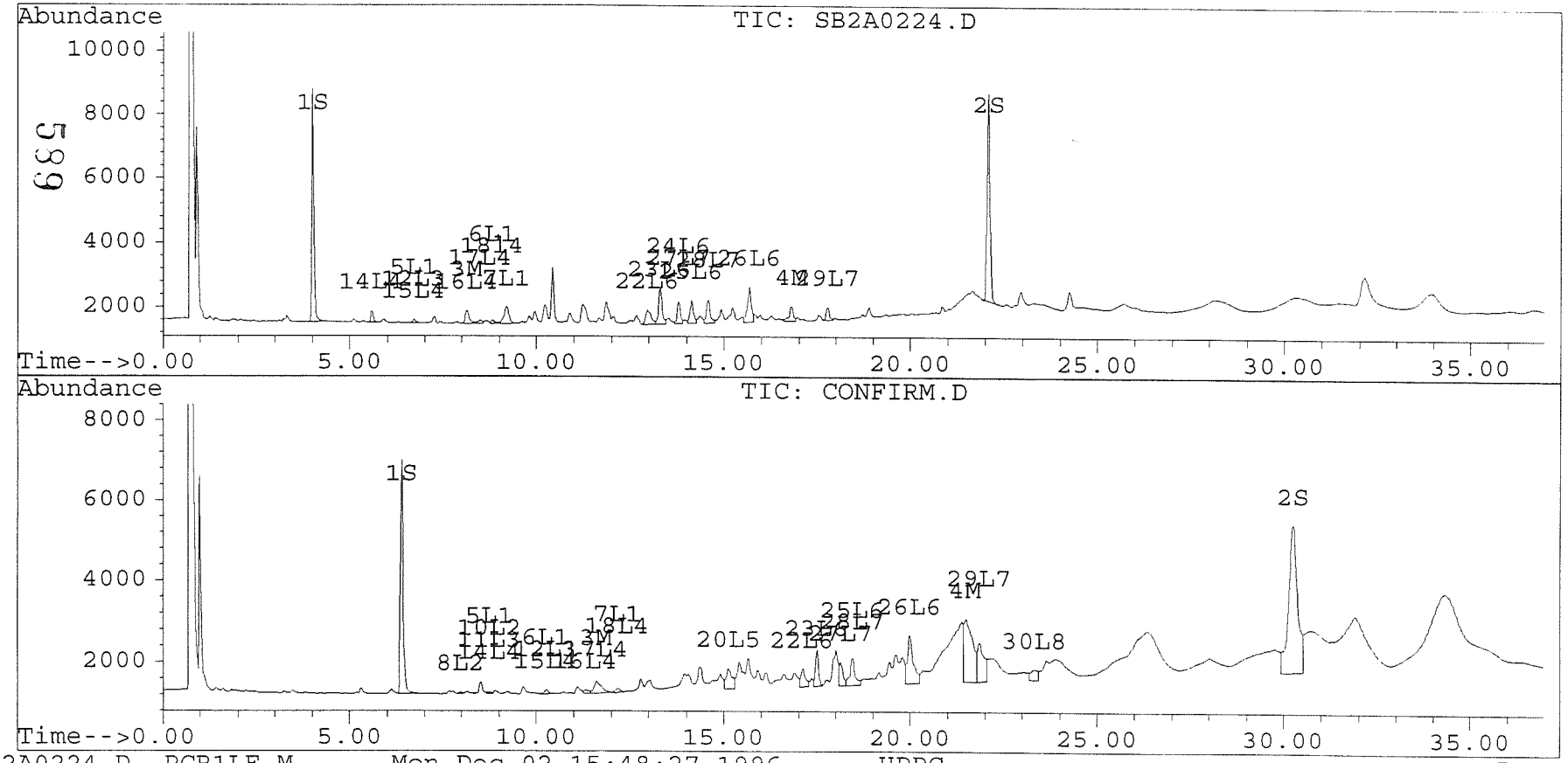
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0224.D Vial: 36
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0224.D\CONFIRM.D
Acq On : 30 Nov 96 09:22 PM Operator: JS
Sample : VHB,C0995-108,PKK11 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:47 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0225.D Vial: 37
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0225.D\CONFIRM.D
Acq On : 30 Nov 96 10:02 PM Operator: JS
Sample : VHB,C0995-109,PI12 Inst : SB2
Misc : 10.7g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

99% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.00	6.39	8860	6644	45.839	43.159
				Recovery	=	114.60%	107.90%
2) S	Decachlorobiphenyl	22.09	30.25	7089	3658	44.808	49.419
				Recovery	=	112.02%	123.55%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.11	11.59	2939	2110	39.363	31.910
4) M	2,2',3,3',4,4'-Hexa	16.79	21.50	35685	28714	274.586	236.289
5) L1	Aroclor-1016	6.70	8.75	1752	539	71.242	56.912
6) L1	Aroclor-1016 (2)	8.82	10.27	947	1504	78.959	70.837
7) L1	Aroclor-1016 (3)	9.17f	12.20	44354	730	2322.041	60.714 #
Total	Aroclor-1016			47053	2774	2472.242	188.462
Average	Aroclor-1016					824.081	62.821
8) L2	Aroclor-1221	5.01f	7.98f	78	59	11.150	9.692
9) L2	Aroclor-1221 (2)	5.42f	8.52f	130	92	22.300	18.951
10) L2	Aroclor-1221 (3)	5.59f	8.75f	689	539	34.102	35.118
Total	Aroclor-1221			897	691	67.552	63.761
Average	Aroclor-1221					22.517	21.254
11) L3	Aroclor-1232	5.59f	8.75f	689	539	37.776	37.622
12) L3	Aroclor-1232 (2)	0.00	10.27f	0	1504	N.D.	125.188 #
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			689	2043	37.776	162.810
Average	Aroclor-1232					37.776	81.405
14) L4	Aroclor-1242	5.59	8.75	689	539	43.208	41.744
15) L4	Aroclor-1242 (2)	6.70	10.27	1752	1504	59.155	58.780
16) L4	Aroclor-1242 (3)	8.11	11.33	2939	564	70.672	52.563 #
17) L4	Aroclor-1242 (4)	8.49	11.59	1073	2110	62.178	64.985
18) L4	Aroclor-1242 (5)	8.82	12.20	947	730	67.465	50.974
Total	Aroclor-1242			7399	5447	302.678	269.045
Average	Aroclor-1242					60.536	53.809
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0225.D PCB1LE.M Mon Dec 02 15:49:15 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0225.D Vial: 37
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0225.D\CONFIRM.D
Acq On : 30 Nov 96 10:02 PM Operator: JS
Sample : VHB,C0995-109,PI12 Inst : SB2
Misc : 10.7g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.11	65626	58225	2799.984	2772.584
23) L6 Aroclor-1254 {2}	13.29	17.50	123119	115064	2508.033	2432.554
24) L6 Aroclor-1254 {3}	13.78	17.93	55573	78029	2398.602	2720.192
25) L6 Aroclor-1254 (4)	14.12	18.45	83935	46652	2764.546	2414.875
26) L6 Aroclor-1254 (5)	15.67	19.98	99050	80367	2720.097	2691.420
Total Aroclor-1254			427304	378337	13191.262	13031.625
Average Aroclor-1254					2638.252	2606.325
27) L7 Aroclor-1260	13.78	18.13	55573	40628	2187.556	1689.902
28) L7 Aroclor-1260 {2}	14.57	18.45	50080	46652	1732.413	1731.482
29) L7 Aroclor-1260 {3}	17.77	21.86	16058	13968	397.717	342.204
Total Aroclor-1260			121711	101248	4317.685	3763.588
Average Aroclor-1260					1439.228	1254.529
30) L8 Aroclor-1268	18.89	0.00	11237	0	NoCal	N.D.
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	0	N.D.	N.D.
Average Aroclor-1268					0.000	0.000

AR1242
$\frac{269 \times 25}{10.7 \times 0.99} = 634$

AR1254
$\frac{13031 \times 25}{10.7 \times 0.99} = 3075$

240/470

501

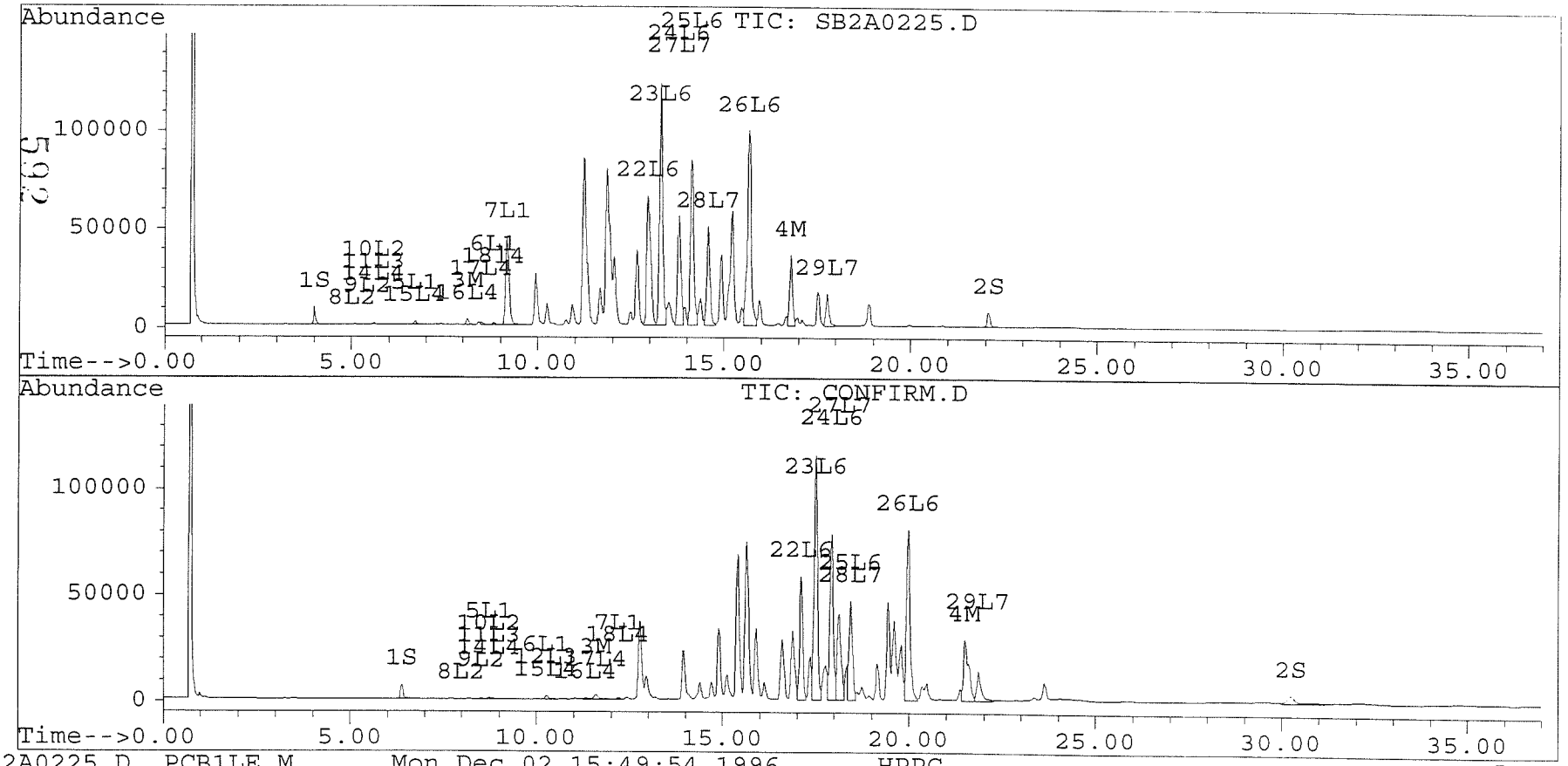
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0225.D Vial: 37
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0225.D\CONFIRM.D
Acq On : 30 Nov 96 10:02 PM Operator: JS
Sample : VHB,C0995-109,PI12 Inst : SB2
Misc : 10.7g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:49 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0287.D Vial: 36
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0287.D\CONFIRM.D
Acq On : 03 Dec 96 05:34 PM Operator: JS
Sample : 8080,VHB, C995-109, PI12 Inst : SB2
Misc : 10.7g, 25mL, 99% Solid, 5x dilution Multiplr: 1.00
Quant Time: Dec 3 18:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.01	6.38	1311	1024	6.783	6.651	
				Recovery	=	16.96%	16.63%	
2) S	Decachlorobiphenyl	22.09	30.25	1298	629	8.204	8.499	
				Recovery	=	20.51%	21.25%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.12	11.59	523	375	7.003	5.670	
4) M	2,2',3,3',4,4'-Hexa	16.80	21.50	6048	4794	46.542	39.446	
5) L1	Aroclor-1016	6.71	8.74	335	98	13.627	10.319	
6) L1	Aroclor-1016 (2)	8.83	10.26	169	283	14.076	13.333	
7) L1	Aroclor-1016 (3)	9.18	12.19	9999	126	523.495	10.483	#
Total	Aroclor-1016			10503	507	551.198	34.135	
Average	Aroclor-1016					183.733	11.378	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.	
10) L2	Aroclor-1221 (3)	5.60f	0.00	123	0	6.092	N.D.	#
Total	Aroclor-1221			123	0	6.092	N.D.	
Average	Aroclor-1221					6.092	0.000	
11) L3	Aroclor-1232	5.60f	0.00	123	0	6.749	N.D.	#
12) L3	Aroclor-1232 (2)	6.71f	0.00	335	0	24.553	N.D.	#
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1232			458	0	31.302	N.D.	
Average	Aroclor-1232					15.651	0.000	
14) L4	Aroclor-1242	5.60	8.74	123	98	7.719	7.569	
15) L4	Aroclor-1242 (2)	6.71	10.26	335	283	11.315	11.064	
16) L4	Aroclor-1242 (3)	8.12	11.32	523	97	12.574	9.075	#
17) L4	Aroclor-1242 (4)	8.50	11.59	194	375	11.234	11.548	
18) L4	Aroclor-1242 (5)	8.83	12.19	169	126	12.027	8.801	#
Total	Aroclor-1242			1344	979	54.869	48.056	
Average	Aroclor-1242					10.974	9.611	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.	
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.	N.D.	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0287.D PCB1LE.M Tue Dec 03 18:14:06 1996 HPPC Page 1

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0287.D Vial: 36
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0287.D\CONFIRM.D
Acq On : 03 Dec 96 05:34 PM Operator: JS
Sample : 8080,VHB, C995-109, PI12 Inst : SB2
Misc : 10.7g, 25mL, 99% Solid, 5x dilution Multiplr: 1.00
Quant Time: Dec 3 18:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.96	17.11	12433	11601	530.445	552.417
23) L6 Aroclor-1254 {2}	13.30	17.50	25834	25003	526.267	528.581
24) L6 Aroclor-1254 {3}	13.79	17.93	11602	16148	500.757	562.958
25) L6 Aroclor-1254 (4)	14.13	18.44	16535	10421	544.596	539.428
26) L6 Aroclor-1254 (5)	15.68	19.98	19771	15869	542.934	531.441
Total Aroclor-1254			86174	79042	2644.999	2714.826
Average Aroclor-1254					529.000	542.965
27) L7 Aroclor-1260	13.79	18.13	11602	9470	456.697	393.894
28) L7 Aroclor-1260 {2}	14.57	18.44	10338	10421	357.609	386.773
29) L7 Aroclor-1260 {3}	17.77	21.86	2726	2497	67.528	61.167
Total Aroclor-1260			24666	22388	881.834	841.835
Average Aroclor-1260					293.945	280.612
30) L8 Aroclor-1268	18.89	23.35f	1951	641	NoCal	149.193 #
31) L8 Aroclor-1268 {2}	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	641	N.D.	149.193
Average Aroclor-1268					0.000	149.193

$\frac{2645 \times 25 \times 5}{10.7 \times 0.99} = 31,200$

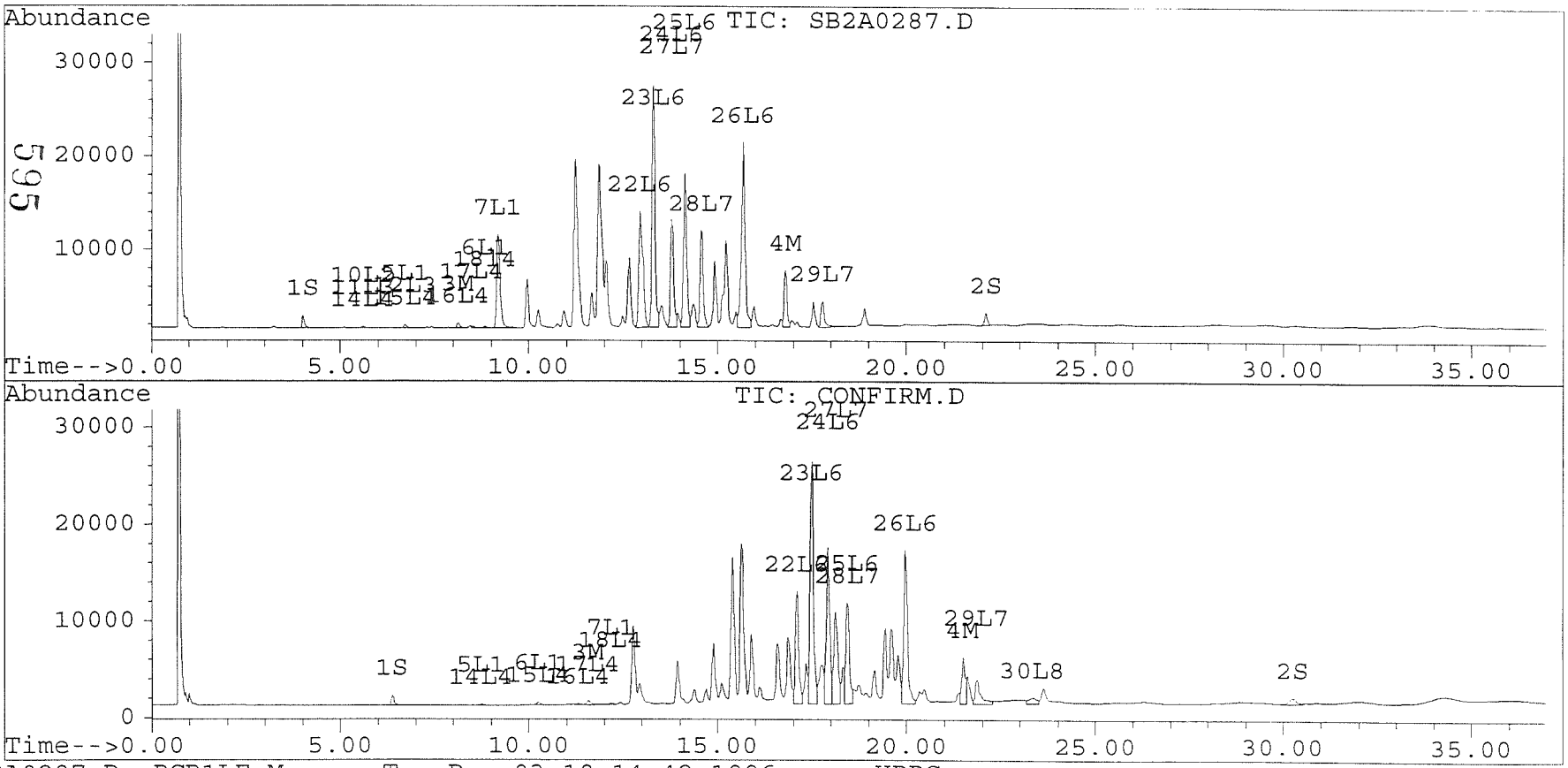
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
SB2A0287.D PCB1LE.M Tue Dec 03 18:14:11 1996 HPPC Page 2

Quantitation Report

Signal #1 : D:\HPCHEM\5\02Dec96\SB2A0287.D Vial: 36
Signal #2 : D:\HPCHEM\5\02Dec96\SB2A0287.D\CONFIRM.D
Acq On : 03 Dec 96 05:34 PM Operator: JS
Sample : 8080,VHB, C995-109, PI12 Inst : SB2
Misc : 10.7g, 25mL, 99% Solid, 5x dilution Multiplr: 1.00
Quant Time: Dec 3 18:13 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0226.D Vial: 38
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0226.D\CONFIRM.D
Acq On : 30 Nov 96 10:43 PM Operator: JS
Sample : VHB,C0995-110,DK12 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

89% solid

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.00	6.39	7999	6299	41.384	40.917
			Recovery	=	103.46%	102.29%
2) S Decachlorobiphenyl	22.09	30.25	6872	3491	43.436	47.155
			Recovery	=	108.59%	117.89%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.11	11.61	44816	34190	600.274	517.176
4) M 2,2',3,3',4,4'-Hexa	16.80	21.51	624	960	4.802	7.901 #
5) L1 Aroclor-1016	6.70	8.75	2734	127	111.194	13.435 #
6) L1 Aroclor-1016 {2}	8.81	10.27	16546	2446	1379.436	115.200 #
7) L1 Aroclor-1016 {3}	9.21	12.20	20191	1087	1057.063	90.325 #
Total Aroclor-1016			39472	3660	2547.693	218.960
Average Aroclor-1016					849.231	72.987
8) L2 Aroclor-1221	5.09f	0.00	118	0	16.783	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	8.75f	0	127	N.D.	8.290 #
Total Aroclor-1221			118	127	16.783	8.290
Average Aroclor-1221					16.783	8.290
11) L3 Aroclor-1232	0.00	8.75f	0	127	N.D.	8.881 #
12) L3 Aroclor-1232 {2}	0.00	10.27f	0	2446	N.D.	203.590 #
13) L3 Aroclor-1232 {3}	0.00	12.30f	0	1075	N.D.	155.100 #
Total Aroclor-1232			0	3649	N.D.	367.571
Average Aroclor-1232					0.000	122.524
14) L4 Aroclor-1242	5.57	8.75	1143	127	71.670	9.854 #
15) L4 Aroclor-1242 {2}	6.70	10.27	2734	2446	92.328	95.592
16) L4 Aroclor-1242 {3}	8.11	11.30	44816	2219	1077.721	206.681 #
17) L4 Aroclor-1242 (4)	8.49	11.61	2564	34190	148.657	1053.224 #
18) L4 Aroclor-1242 (5)	8.81	12.20	16546	1087	1178.640	75.834 #
Total Aroclor-1242			67804	40069	2569.016	1441.185
Average Aroclor-1242					513.803	288.237
19) L5 Aroclor-1248	0.00	0.00 596	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0226.D Vial: 38
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0226.D\CONFIRM.D
Acq On : 30 Nov 96 10:43 PM Operator: JS
Sample : VHB,C0995-110,DK12 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 {3}	11.29f	0.00	24904	0	818.155	N.D. #
Total Aroclor-1248			24904	0	818.155	N.D.
Average Aroclor-1248					818.155	0.000
22) L6 Aroclor-1254	12.95	17.11	3146	2732	134.244	130.097
23) L6 Aroclor-1254 {2}	13.29	17.50	5391	4748	109.817	100.368
24) L6 Aroclor-1254 {3}	13.78	17.94	3468	3399	149.683	118.509
25) L6 Aroclor-1254 (4)	14.13	18.45	3560	1056	117.240	54.670 #
26) L6 Aroclor-1254 (5)	15.67	19.99	1520	1383	41.738	46.311
Total Aroclor-1254			17085	13318	552.722	449.955
Average Aroclor-1254					110.544	89.991
27) L7 Aroclor-1260	13.78	18.13	3468	986	136.513	41.026 #
28) L7 Aroclor-1260 {2}	14.57	18.45	995	1056	34.433	39.199
29) L7 Aroclor-1260 {3}	17.77	21.86	603	1061	14.940	25.996 #
Total Aroclor-1260			5067	3104	185.885	106.221
Average Aroclor-1260					61.962	35.407
30) L8 Aroclor-1268	18.88	23.30	587	554	NoCal	128.925 #
31) L8 Aroclor-1268 {2}	19.03	0.00	193	0	NoCal	N.D.
32) L8 Aroclor-1268 {3}	21.82	0.00	151	0	NoCal	N.D.
Total Aroclor-1268			0	554	N.D.	128.925
Average Aroclor-1268					0.000	128.925

AR1242 - Use 2pts

$$\frac{2256 \times \frac{5}{2} \times 25}{15.4 \times 0.89} = 10300$$

AR1254 - Use 4pts

$$\frac{511 \times \frac{5}{4} \times 25}{15.4 \times 0.89} = 1165$$

597
MRL = 180/360

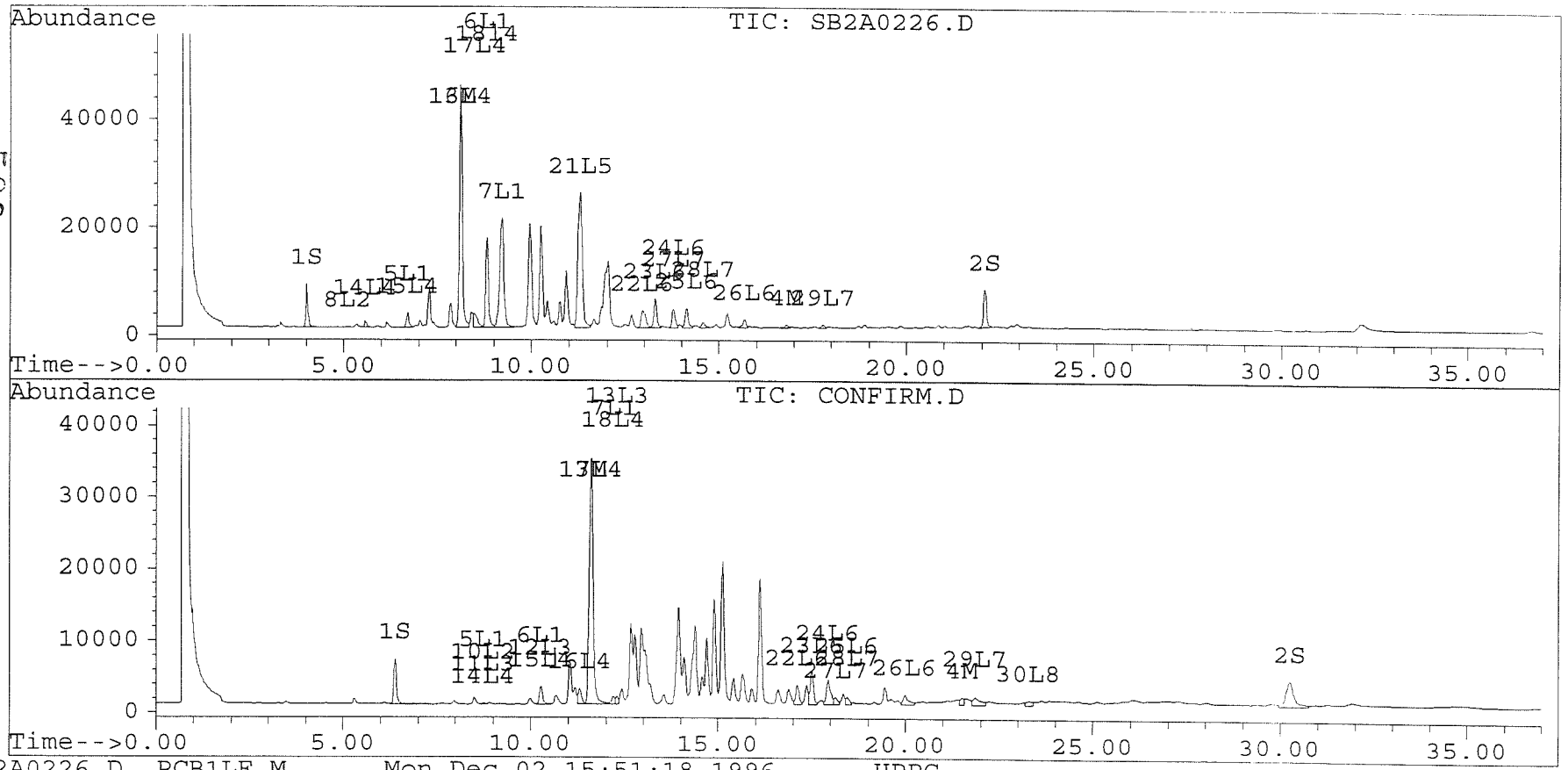
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0226.D Vial: 38
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0226.D\CONFIRM.D
Acq On : 30 Nov 96 10:43 PM Operator: JS
Sample : VHB,C0995-110,DK12 Inst : SB2
Misc : 15.4g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:50 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0227.D Vial: 39
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0227.D\CONFIRM.D
Acq On : 30 Nov 96 11:24 PM Operator: JS
Sample : VHB,C0995-111,DG11 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:51 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

97% sob

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.00	6.39	7783	5996	40.266	38.951	
				Recovery	=	100.67%	97.38%	
2) S	Decachlorobiphenyl	22.08	30.25	6474	3073	40.919	41.512	
				Recovery	=	102.30%	103.78%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.11	11.61	4423	2998	59.248	45.351	
4) M	2,2',3,3',4,4'-Hexa	16.79	21.51	1461	1061	11.239	8.730	
5) L1	Aroclor-1016	6.70	8.75	1671	345	67.936	36.461	#
6) L1	Aroclor-1016 {2}	8.82	10.27	1326	1502	110.582	70.759	#
7) L1	Aroclor-1016 {3}	9.19	12.19	3903	845	204.354	70.249	#
Total	Aroclor-1016			6900	2693	382.872	177.470	
Average	Aroclor-1016					127.624	59.157	
8) L2	Aroclor-1221	5.09f	7.97f	169	169	24.110	27.640	
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.	
10) L2	Aroclor-1221 {3}	5.59f	8.75f	537	345	26.595	22.499	
Total	Aroclor-1221			706	514	50.705	50.139	
Average	Aroclor-1221					25.352	25.070	
11) L3	Aroclor-1232	5.59f	8.75f	537	345	29.460	24.103	
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.	
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1232			537	345	29.460	24.103	
Average	Aroclor-1232					29.460	24.103	
14) L4	Aroclor-1242	5.59	8.75	537	345	33.697	26.744	
15) L4	Aroclor-1242 {2}	6.70	10.27	1671	1502	56.409	58.715	
16) L4	Aroclor-1242 {3}	8.11	11.33	4423	638	106.373	59.439	#
17) L4	Aroclor-1242 (4)	8.50	11.61	963	2998	55.799	92.356	#
18) L4	Aroclor-1242 (5)	8.82	12.19	1326	845	94.485	58.980	#
Total	Aroclor-1242			8920	6329	346.763	296.233	
Average	Aroclor-1242					69.353	59.247	
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.	

599

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

Quantitation Report

Signal #1 : D:\HPCHEM\5\29NOV96\SB2A0227.D Vial: 39
Signal #2 : D:\HPCHEM\5\29NOV96\SB2A0227.D\CONFIRM.D
Acq On : 30 Nov 96 11:24 PM Operator: JS
Sample : VHB,C0995-111,DG11 Inst : SB2
Misc : 15.2g,25mL,No Dilution Multiplr: 1.00
Quant Time: Dec 2 15:51 1996

Method : C:\HPCHEM\5\METHODS\PCB1LE.M
Title : PCB 5 LEVEL
Last Update : Mon Dec 02 15:10:19 1996
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	12.95	17.12	2222	1974	94.808	94.016
23) L6 Aroclor-1254 (2)	13.29	17.50	5188	4627	105.690	97.811
24) L6 Aroclor-1254 (3)	13.78	17.93	2692	3166	116.183	110.371
25) L6 Aroclor-1254 (4)	14.13	18.45	3432	2284	113.035	118.219
26) L6 Aroclor-1254 (5)	15.67	19.98	4110	3414	112.877	114.323
Total Aroclor-1254			17644	15465	542.593	534.742
Average Aroclor-1254					108.519	106.948
27) L7 Aroclor-1260	13.78	18.13	2692	1979	105.960	82.334
28) L7 Aroclor-1260 (2)	14.57	18.45	2484	2284	85.926	84.764
29) L7 Aroclor-1260 (3)	17.77	21.86	1046	1077	25.912	26.375
Total Aroclor-1260			6222	5340	217.798	193.472
Average Aroclor-1260					72.599	64.491
30) L8 Aroclor-1268	18.88	23.35f	768	441	NoCal	102.604 #
31) L8 Aroclor-1268 (2)	0.00	0.00	0	0	N.D.	N.D.
32) L8 Aroclor-1268 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1268			0	441	N.D.	102.604
Average Aroclor-1268					0.000	102.604

AR1242 - Use 2pts

$$\frac{121 \times \frac{5}{2} \times 25}{15.2 \times 0.97} = 880$$

AR1254

$$= \frac{535 \times 25}{15.2 \times 0.97} = 910$$

600 MRL = 170/34

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