SR-28-0143

Appendix K - PCB Cleanup Verification Report, 1 of 2

Boliden Metech Allens Avenue Facility

Laboratory Analytical Results, Sampling Round 5

434 Allens Avenue
Providence,
Rhode Island

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: 05437 (Boliden Metech)

Lab Project: D1145

Date Samples Received: July 22, 1997

Project Narrative

This data package included the analysis result for sixty four soil samples and seven aqueous samples that were received from VHB, Inc. on July 22, 1997. Analyses were performed per specifications in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the Client sample ID and Laboratory sample ID.

Per project requirement, special congener compounds were used for lab control spikes and matrix spikes. With the exception of QC batch P0730-B2, all of the soil samples were extracted using 15 gram and the final extracts were concentrated to 25 mL. Thirty gram aliquots of soil samples were used for QC batch P0730-B2. The extracts were concentrated to 25 mL. Reporting limits for the batch were tabulated assuming only 15 gram of sample was used. The actual sample concentrations were calculated based on the actual weights.

Due to a laboratory mistake, all of the aqueous samples were prepared three days out of the analytical holding time. Please note that PCBs were not detected in any of these aqueous samples.

All of the analyses were performed according to method specifications. No unusual observation was made for the analyses other than those mentioned above.

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

Kin S. Chiu
Laboratory Manager

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.

VHB - Analytical Summary

QC Batch: P0729-B1

Concentration in ug/kg, dry weight basis

Client ID	Lab ID	AR1242	AR1254	% surrogate recovery TCMX	DCB
V2-C1	D1145-01	470	380	91	90
V3-C1	D1145-02	9,900	4,100	68	68
V4-C1	D1145-03	1,100	540	67	56
U2-C1	D1145-04	< 190	2,800	72	88
U3-C1	D1145-05	1,200	320	57	50
U4-C1	D1145-06	< 190	< 190	87	70
U6-C1	D1145-07	< 190	< 190	95	86
U7-C1	D1145-08	260	240	99	96
U8-C1	D1145-09	590	260	81	70
T2-C1	D1145-10	< 200	< 200	99	87
T5-C1	D1145-11	< 200	< 200	98	85
T6-C1	D1145-12	620	350	99	88
T8-C1	D1145-13	1,900	770	106	89
S1-C1	D1145-14	< 200	470	89	71
S3-C1	D1145-15	3,000	1,600	101	97
S4-C1	D1145-16	4,900	2,200	88	95
S6-C1	D1145-17	< 210	< 210	93	86
S7-C1	D1145-18	< 210	< 210	96	79
R1-C1	D1145-19	9,800	4,100	90	78
R2-C1	D1145-20	< 200	< 200	91	85
QA/QC					
Method Blank, P0729-B1		< 170	< 170	84	91
		TCP	HCP		
Lab Control Sample, P0729-L1		109	110	97	95
Dup Matrix spikes					
D1145-01MS		114	106	98	95
D1145-01MSD		128	127	115	121

TCMX = 2,3,4,6-Tetrachlorobiphenyl
DCB = Decachlorobiphenyl
TCP = 2,4,4'-Trichlorobiphenyl
HCP = 2,2',3,3',4,4'-Hexachlorobiphenyl

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: V2-C1
Lab ID: D1145-01
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 89% 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	470	190
Aroclor-1248	ND	190
Aroclor-1254	380	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	90%

ND=Not Detected

104

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: V3-C1
Lab ID: D1145-02
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 3

Analyte	Results	Reporting Limits
Aroclor-1016	ND	600
Aroclor-1221	ND	1,200
Aroclor-1232	ND	600
Aroclor-1242	9,900	600
Aroclor-1248	ND	600
Aroclor-1254	4,100	600
Aroclor-1260	ND	600

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	68%
Decachlorobiphenyl	68%

ND=Not Detected

005

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: V4-C1
Lab ID: D1145-03
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 87% 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	1,100	200
Aroclor-1248	ND	200
Aroclor-1254	540	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	67%
Decachlorobiphenyl	56%

ND=Not Detected

006

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U2-C1
Lab ID: D1145-04
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	2,800	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	88%

ND=Not Detected

007

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U3-C1
Lab ID: D1145-05
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	410
Aroclor-1232	ND	210
Aroclor-1242	1,200	210
Aroclor-1248	ND	210
Aroclor-1254	320	210
Aroclor-1260	ND	210

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	57%
Decachlorobiphenyl	50%

ND=Not Detected

008

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U4-C1
Lab ID: D1145-06
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Soil, 89% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	70%

ND=Not Detected

001

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U6-C1
Lab ID: D1145-07
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 91% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	95%
Decachlorobiphenyl	86%

ND=Not Detected

010

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U7-C1
Lab ID: D1145-08
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 93% 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	260	180
Aroclor-1248	ND	180
Aroclor-1254	240	180
Aroclor-1260	ND	180

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	96%

ND=Not Detected

011

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: U8-C1
Lab ID: D1145-09
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 91% 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	590	190
Aroclor-1248	ND	190
Aroclor-1254	260	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	70%

ND=Not Detected

012

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: T2-C1
Lab ID: D1145-10
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 87% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	87%

ND=Not Detected

013

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: T5-C1
Lab ID: D1145-11
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 86% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

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

ND=Not Detected

014

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: T6-C1
Lab ID: D1145-12
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 86% 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	620	200
Aroclor-1248	ND	200
Aroclor-1254	350	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	88%

ND=Not Detected

015

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: T8-C1
Lab ID: D1145-13
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 96% 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	1,900	190
Aroclor-1248	ND	190
Aroclor-1254	770	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	106%
Decachlorobiphenyl	89%

ND=Not Detected

016

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: S1-C1
Lab ID: D1145-14
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 86% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	470	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	89%
Decachlorobiphenyl	71%

ND=Not Detected

017

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: S3-C1
Lab ID: D1145-15
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 89% 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	3,000	190
Aroclor-1248	ND	190
Aroclor-1254	1,600	190
Aroclor-1260	ND	190

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	101%
Decachlorobiphenyl	97%

ND=Not Detected

015

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: S4-C1
Lab ID: D1145-16
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 92% 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	4,900	180
Aroclor-1248	ND	180
Aroclor-1254	2,200	180
Aroclor-1260	ND	180

QC Batch: P0729-B1

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

ND=Not Detected

019

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: S6-C1
Lab ID: D1145-17
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	410
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	ND	210

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	86%

ND=Not Detected

020

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: S7-C1
Lab ID: D1145-18
Analysis: Method 8080

Analysis Date: 8/1/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	410
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	ND	210

QC Batch: P0729-B1

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

ND=Not Detected

021

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R1-C1
Lab ID: D1145-19
Analysis: Method 8080

Analysis Date: 8/1/97
Matrix: Soil, 86% 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	9,800	200
Aroclor-1248	ND	200
Aroclor-1254	4,100	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	90%
Decachlorobiphenyl	78%

ND=Not Detected

022

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R2-C1
Lab ID: D1145-20
Analysis: Method 8080

Analysis Date: 8/1/97
Matrix: Soil, 85% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0729-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	91%
Decachlorobiphenyl	85%

ND=Not Detected

023

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0729-B1
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Solid
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

QC Batch: P0729-B1

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

ND=Not Detected

024

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0729-LCS1
Analysis: Method 8080

Matrix: Solid
Analysis Date for Blank Spike: 7/31/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	109
2,2',3,3',4,4'-Hexachlorobiphenyl	110

QC Batch: P0729-B1

025

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: V2-C1
Lab ID for Matrix Spike: D1145-01MS
Lab ID for Matrix Spike Duplicate: D1145-01MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 7/31/97
Analysis Date for Matrix Spike Duplicate: 7/31/97

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	114	128	12
2,2',3,3',4,4'-Hexachlorobiphenyl	106	127	18

QC Batch: P0729-B1

026

VHB - Analytical Summary

QC Batch: P0730-B2 and P0805-B2(*)

Concentration in ug/kg, dry weight basis

				% surrogate recovery	
Client ID	Lab ID	AR1242	AR1254	TCMX	DCB
R3-C1	D1145-21	1,100	540	85	81
R4-C1	D1145-22	870	420	75	63
R6-C1	D1145-23	< 200	< 200	80	69
Q1-C1	D1145-24	27,000	3,000	71	68
Q2-C1	D1145-25	< 180	520	78	66
Q4-C1	D1145-26	2,400	1,100	75	69
Q6-C1	D1145-27	< 200	< 200	79	71
Q7-C1	D1145-28	190	< 190	69	67
P4-C1	D1145-29	980	410	83	73
P6-C1	D1145-30	500	280	83	73
P9-C1	D1145-31	3,800	1,300	73	65
P10-C1	D1145-32	< 190	< 190	78	73
P11-C1	D1145-33	< 180	< 180	80	71
O4-C1	D1145-34	< 190	< 190	73	66
O5-C1	D1145-35	3,200	1,300	63	75
O6-C1	D1145-36	< 210	< 210	74	68
O7-C1	D1145-37	< 220	< 220	58	54
O8-C1	D1145-38	< 200	< 200	72	66
O9-C1	D1145-39	< 190	< 190	66	63
O10-C1	D1145-40	< 180	< 180	67	65
QA/QC					
Method Blank, P0730-B2		< 170	< 170	69	64
	P0805-B2	< 170	< 170	80	67
		TCP	HCP		
Lab Control Sample, P0730-L2		91	89	84	78
	P0805-L2	93	89	85	72
Dup Matrix spikes					
D1145-21MS		85	81	85	72
D1145-21MSD		106	94	76	75

TCMX = 2,3,4,6-Tetrachlorobiphenyl
DCB = Decachlorobiphenyl
TCP = 2,4,4'-Trichlorobiphenyl
HCP = 2,2',3,3',4,4'-Hexachlorobiphenyl

* QC Batch P0805-B2 for D1145-21MSD

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R3-C1
Lab ID: D1145-21
Analysis: Method 8080

Analysis Date: 8/1/97
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	1,100	180
Aroclor-1248	ND	180
Aroclor-1254	540	180
Aroclor-1260	ND	180

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	81%

ND=Not Detected

028

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R4-C1
Lab ID: D1145-22
Analysis: Method 8080

Analysis Date: 8/3/97
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	870	190
Aroclor-1248	ND	190
Aroclor-1254	420	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	63%

ND=Not Detected

029

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R6-C1
Lab ID: D1145-23
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 87% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	69%

ND=Not Detected

030

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q1-C1
Lab ID: D1145-24
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 86% 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	27,000 D	200
Aroclor-1248	ND	200
Aroclor-1254	3,000	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	71%
Decachlorobiphenyl	68%

ND=Not Detected

031

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q2-C1
Lab ID: D1145-25
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 92% 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	ND	180
Aroclor-1248	ND	180
Aroclor-1254	520	180
Aroclor-1260	ND	180

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	66%

ND=Not Detected

032

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q4-C1
Lab ID: D1145-26
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 85% 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	2,400	200
Aroclor-1248	ND	200
Aroclor-1254	1,100	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	69%

ND=Not Detected

033

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q6-C1
Lab ID: D1145-27
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 85% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	71%

ND=Not Detected

034

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q7-C1
Lab ID: D1145-28
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 90% 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	190	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	69%
Decachlorobiphenyl	67%

ND=Not Detected

035

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P4-C1
Lab ID: D1145-29
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	200
Aroclor-1221	ND	410
Aroclor-1232	ND	200
Aroclor-1242	980	200
Aroclor-1248	ND	200
Aroclor-1254	410	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	73%

ND=Not Detected

036

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P6-C1
Lab ID: D1145-30
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 85% 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	500	200
Aroclor-1248	ND	200
Aroclor-1254	280	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	73%

ND=Not Detected

037

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P9-C1
Lab ID: D1145-31
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 91% 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	3,800	190
Aroclor-1248	ND	190
Aroclor-1254	1,300	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	65%

ND=Not Detected

038

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P10-C1
Lab ID: D1145-32
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 90% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	73%

ND=Not Detected

039

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P11-C1
Lab ID: D1145-33
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 93% 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	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	71%

ND=Not Detected

040

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O4-C1
Lab ID: D1145-34
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 89% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	66%

ND=Not Detected

041

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O5-C1
Lab ID: D1145-35
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 84% 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	3,200	200
Aroclor-1248	ND	200
Aroclor-1254	1,300	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	63%
Decachlorobiphenyl	75%

ND=Not Detected

042

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O6-C1
Lab ID: D1145-36
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	420
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	ND	210

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	68%

ND=Not Detected

043

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O7-C1
Lab ID: D1145-37
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 78% 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	ND	220
Aroclor-1260	ND	220

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	58%
Decachlorobiphenyl	54%

ND=Not Detected

044

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O8-C1
Lab ID: D1145-38
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 85% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	66%

ND=Not Detected

045

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O9-C1
Lab ID: D1145-39
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 89% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	66%
Decachlorobiphenyl	63%

ND=Not Detected

046

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O10-C1
Lab ID: D1145-40
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	180
Aroclor-1221	ND	380
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	67%
Decachlorobiphenyl	65%

ND=Not Detected

047

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0730-B2
Analysis: Method 8080

Analysis Date: 7/31/97
Matrix: Solid
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

QC Batch: P0730-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	69%
Decachlorobiphenyl	64%

ND=Not Detected

043

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0805-B2
Analysis: Method 8080

Analysis Date: 8/6/97
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

QC Batch: P0805-B2

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

ND=Not Detected

040

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0730-L2
Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 7/31/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	91
2,2',3,3',4,4'-Hexachlorobiphenyl	89

QC Batch: P0730-B2

050

D1145-LCS

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0805-LCS2
Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 8/6/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	93
2,2',3,3',4,4'-Hexachlorobiphenyl	89

QC Batch: P0805-B2

051

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Matrix Spike Summary

Client: VHB, Inc.
Client ID: R3-C1
Lab ID for Matrix Spike: D1145-21MS
Lab ID for Matrix Spike Duplicate: D1145-21MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 8/3/97
Analysis Date for Matrix Spike Duplicate: 8/6/97

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	85	106	22
2,2',3,3',4,4'-Hexachlorobiphenyl	81	94	15

QC Batch: P0730-B2 for D1145-21MS
P0805-B2 for D1145-21MSD

052

VHB - Analytical Summary

QC Batch: P0801-B1

Concentration in ug/kg, dry weight basis

Client ID	Lab ID	AR1242	AR1254	% surrogate recovery TCMX	DCB
O11-C1	D1145-41	< 200	< 200	78	66
O12-C1	D1145-42	1,800	1,100	66	74
N4-C1	D1145-43	< 190	< 190	80	69
N5-C1	D1145-44	< 210	< 210	79	70
N6-C1	D1145-45	720	250	79	73
N7-C1	D1145-46	< 210	210	79	71
N8-C1	D1145-47	< 190	< 190	73	65
N9-C1	D1145-48	< 190	< 190	83	73
N10-C1	D1145-49	500	310	81	71
N11-C1	D1145-50	< 200	< 200	82	71
N12-C1	D1145-51	420	300	75	75
M9-C1	D1145-52	810	530	84	75
L8-C1	D1145-53	1,500	750	81	77
L9-C1	D1145-54	800	700	81	77
L11-C1	D1145-55	< 190	< 190	85	80
K8-C1	D1145-56	480	530	81	79
K9-C1	D1145-57	220	< 190	79	71
K10-C1	D1145-58	< 190	< 190	75	71
R2-C1 (D)	D1145-59	< 200	< 200	75	64
P11-C1 (D)	D1145-60	< 180	< 180	76	69
QA/QC					
Method Blank, P0801-B1		< 170	< 170	72	65
		TCP	HCP		
Lab Control Sample, P0801-L1		70	70	70	70
Dup Matrix spikes					
D1145-41MS		90	80	81	69
D1145-41MSD		81	72	75	62

TCMX = 2,3,4,6-Tetrachlorobiphenyl
DCB = Decachlorobiphenyl
TCP = 2,4,4'-Trichlorobiphenyl
HCP = 2,2',3,3',4,4'-Hexachlorobiphenyl

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O11-C1
Lab ID: D1145-41
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 87% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	66%

ND=Not Detected

054

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O12-C1
Lab ID: D1145-42
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 91% 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	1,800	190
Aroclor-1248	ND	190
Aroclor-1254	1,100	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	66%
Decachlorobiphenyl	74%

ND=Not Detected

055

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N4-C1
Lab ID: D1145-43
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 88% 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	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	69%

ND=Not Detected

056

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N5-C1
Lab ID: D1145-44
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	410
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	ND	210
Aroclor-1260	ND	210

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	70%

ND=Not Detected

057

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N6-C1
Lab ID: D1145-45
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 85% 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	720	200
Aroclor-1248	ND	200
Aroclor-1254	250	200
Aroclor-1260	ND	200

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	73%

ND=Not Detected

053

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N7-C1
Lab ID: D1145-46
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	420
Aroclor-1232	ND	210
Aroclor-1242	ND	210
Aroclor-1248	ND	210
Aroclor-1254	210	210
Aroclor-1260	ND	210

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	71%

ND=Not Detected

050

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N8-C1
Lab ID: D1145-47
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 90% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	65%

ND=Not Detected

066

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N9-C1
Lab ID: D1145-48
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 89% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	73%

ND=Not Detected

061

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N10-C1
Lab ID: D1145-49
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 80% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	210
Aroclor-1221	ND	420
Aroclor-1232	ND	210
Aroclor-1242	500	210
Aroclor-1248	ND	210
Aroclor-1254	310	210
Aroclor-1260	ND	210

QC Batch: P0801-B1

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

ND=Not Detected

062

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N11-C1
Lab ID: D1145-50
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 87% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	82%
Decachlorobiphenyl	71%

ND=Not Detected

063

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N12-C1
Lab ID: D1145-51
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 91% 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	420	190
Aroclor-1248	ND	190
Aroclor-1254	300	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

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

ND=Not Detected

064

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M9-C1
Lab ID: D1145-52
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 90% 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	810	190
Aroclor-1248	ND	190
Aroclor-1254	530	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	75%

ND=Not Detected

065

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L8-C1
Lab ID: D1145-53
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 91% 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	1,500	190
Aroclor-1248	ND	190
Aroclor-1254	750	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	77%

ND=Not Detected

066

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L9-C1
Lab ID: D1145-54
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 90% 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	800	190
Aroclor-1248	ND	190
Aroclor-1254	700	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	77%

ND=Not Detected

067

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L11-C1
Lab ID: D1145-55
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 90% 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	ND	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	85%
Decachlorobiphenyl	80%

ND=Not Detected

068

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K8-C1
Lab ID: D1145-56
Analysis: Method 8080

Analysis Date: 8/4/97
Matrix: Soil, 86% 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	480	200
Aroclor-1248	ND	200
Aroclor-1254	530	200
Aroclor-1260	ND	200

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	79%

ND=Not Detected

069

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K9-C1
Lab ID: D1145-57
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 89% 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	220	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	79%
Decachlorobiphenyl	71%

ND=Not Detected

070

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K10-C1
Lab ID: D1145-58
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 88% 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	ND	190
Aroclor-1260	ND	190

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	71%

ND=Not Detected

071

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R2-C1(D)
Lab ID: D1145-59
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 87% 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	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	64%

ND=Not Detected

072

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: P11-C1(D)
Lab ID: D1145-60
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 92% 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	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	76%
Decachlorobiphenyl	69%

ND=Not Detected

073

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0801-B1
Analysis: Method 8080

Analysis Date: 8/3/97
Matrix: Solid
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

QC Batch: P0801-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	65%

ND=Not Detected

074

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0801-L1
Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 8/3/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	70
2,2',3,3',4,4'-Hexachlorobiphenyl	70

QC Batch: P0801-B1

075

MITKEM CORPORATION

Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.
Client ID: O11-C1
Lab ID for Matrix Spike: D1145-41MS
Lab ID for Matrix Spike Duplicate: D1145-41MSD
Analysis: Method 8080

Matrix: Soil

Analysis Date for Matrix Spike: 8/4/97
Analysis Date for Matrix Spike Duplicate: 8/4/97

	% Recovery		
Analyte	Matrix Spike	Matrix Spike Dup.	% RPD
2,4,4'-Trichlorobiphenyl	90	81	10
2,2',3,3',4,4'-Hexachlorobiphenyl	80	72	10

QC Batch: P0801-B1

076

VHB - Analytical Summary

QC Batch: P0801-B3

Concentration in ug/kg, dry weight basis

Client ID	Lab ID	AR1242	AR1254	% surrogate recovery TCMX	DCB
O7-C1 (D)	D1145-61	< 220	< 220	78	69
PS-91 (1)	D1145-62	21,000	< 170	76	69
PS-91 (2)	D1145-63	20,000	< 170	81	69
PS-97	D1145-64	< 170	< 170	76	95
QA/QC					
Method Blank, P0801-B3		< 170	< 170	73	69
		TCP	HCP		
Lab Control Sample, P0801-L3		89	84	80	62

TCMX = 2,3,4,6-Tetrachlorobiphenyl
DCB = Decachlorobiphenyl
TCP = 2,4,4'-Trichlorobiphenyl
HCP = 2,2',3,3',4,4'-Hexachlorobiphenyl

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: O7-C1 (D)
Lab ID: D1145-61
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 79% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

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

QC Batch: P0801-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	69%

ND=Not Detected

07%

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-91(1)
Lab ID: D1145-62
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 100% 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	21,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

QC Batch: P0801-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	76%
Decachlorobiphenyl	69%

ND=Not Detected

079

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-91(2)
Lab ID: D1145-63
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 100% 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	20,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

QC Batch: P0801-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	81%
Decachlorobiphenyl	69%

ND=Not Detected

080

D1145-63

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-97
Lab ID: D1145-64
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Soil, 100% 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	14,000 D	170

QC Batch: P0801-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	76%
Decachlorobiphenyl	95%

ND=Not Detected

681

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0801-B3
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Solid
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

QC Batch: P0801-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	69%

ND=Not Detected

092

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0801-LCS3
Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 8/5/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	89
2,2',3,3',4,4'-Hexachlorobiphenyl	84

QC Batch: P0801-B3

083

VHB - Analytical Summary

QC Batch: P0801-B2

Concentration in ug/L

Client ID	Lab ID	AR1242	AR1254	% surrogate recovery TCMX	DCB
GERB-1	D1145-65	< 1	< 1	75	28
GERB-2	D1145-66	< 1	< 1	66	39
GERB-3	D1145-67	< 1	< 1	76	63
BERB-1	D1145-68	< 1	< 1	73	35
BERB-2	D1145-69	< 1	< 1	78	30
BERB-3	D1145-70	< 1	< 1	78	57
WB-1	D1145-71	< 1	< 1	75	46
QA/QC					
Method Blank, P0801-B2		< 1	< 1	74	63
		TCP	HCP		
Lab Control Sample, P0801-L2		82	72	71	51

TCMX = 2,3,4,6-Tetrachlorobiphenyl
DCB = Decachlorobiphenyl
TCP = 2,4,4'-Trichlorobiphenyl
HCP = 2,2',3,3',4,4'-Hexachlorobiphenyl

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: GERB-1
Lab ID: D1145-65
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	28%

ND=Not Detected

085

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: GERB-2
Lab ID: D1145-66
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	66%
Decachlorobiphenyl	39%

ND=Not Detected

086

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: GERB-3
Lab ID: D1145-67
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	76%
Decachlorobiphenyl	63%

ND=Not Detected

087

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: BERB-1
Lab ID: D1145-68
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	73%
Decachlorobiphenyl	35%

ND=Not Detected

088

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: BERB-2
Lab ID: D1145-69
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	30%

ND=Not Detected

089

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: BERB-3
Lab ID: D1145-70
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	78%
Decachlorobiphenyl	57%

ND=Not Detected

090

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: WB-1
Lab ID: D1145-71
Analysis: Method 8080

Analysis Date: 8/6/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	75%
Decachlorobiphenyl	46%

ND=Not Detected

091

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0801-B2
Analysis: Method 8080

Analysis Date: 8/5/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1
Aroclor-1221	ND	2
Aroclor-1232	ND	1
Aroclor-1242	ND	1
Aroclor-1248	ND	1
Aroclor-1254	ND	1
Aroclor-1260	ND	1

QC Batch: P0801-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	74%
Decachlorobiphenyl	63%

ND=Not Detected

092

D1145-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0801-LCS2
Analysis: Method 8080

Matrix: Aqueous

Analysis Date for Blank Spike: 8/5/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	82
2,2',3,3',4,4'-Hexachlorobiphenyl	72

QC Batch: P0801-B2

093

D1145-LCS

MITKEM CORPORATION

Lab Project #: **D1145** **R1**
Client Name: **Vanasse Hangen Brustlin, Inc.**
Client Proj #: **05437**
Client PO #: **05437**
Project Name: **Boliden Metech**
Date Due: **7/30/97**
Total Price: **$ 7,134.75**
Project Mgr: PAS
Salesman: PAS
Del Req'd: **NA**
Completed?: **YES**

Logged In By: MKH
Reviewed By: PAS
Date: 7-24-97 Time: 3:49

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-01	V2-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-01MS	V2-C1 MS	SL	PCB 8080		7/22/97	7/22/97					1					
-01MSD	V2-C1 MSD	SL	PCB 8080		7/22/97	7/22/97					1					
-02	V3-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-03	V4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-04	U2-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-05	U3-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-06	U4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-07	U6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-08	U7-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-09	U8-C1	SL	PCB 8080		7/22/97	7/22/97					1					

P60 094

MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-10	T2-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-11	T5-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-12	T6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-13	T8-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-14	S1-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-15	S3-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-16	S4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-17	S6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-18	S7-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-19	R1-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-20	R2-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-21	R3-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-21MS	R3-C1 MS	SL	PCB 8080		7/22/97	7/22/97					1					
-21MSD	R3-C1 MSD	SL	PCB 8080		7/22/97	7/22/97					1					
22	R4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-23	R6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-24	Q1-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-25	Q2-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-26	Q4-C1	SL	PCB 8080		7/22/97	7/22/97					1					

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MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-27	Q6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-28	Q7-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-29	P4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-30	P6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-31	P9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-32	P10-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-33	P11-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-34	O4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-35	O5-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-36	O6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-37	O7-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-38	O8-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-39	O9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-40	O10-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-41	O11-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-41MS	O11-C1 MS	SL	PCB 8080		7/22/97	7/22/97					1					
-41MSD	O11-C1 MSD	SL	PCB 8080		7/22/97	7/22/97					1					
-42	O12-C1	SL	PCB 8080		7/22/97	7/22/97					1					

960 096

MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-43	N4-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-44	N5-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-45	N6-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-46	N7-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-47	N8-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-48	N9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-49	N10-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-50	N11-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-51	N12-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-52	M9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-53	L8-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-54	L9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-55	L11-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-56	K8-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-57	K9-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-58	K10-C1	SL	PCB 8080		7/22/97	7/22/97					1					
-59	R2-C1 (D)	SL	PCB 8080		7/22/97	7/22/97					1					
-60	P11-C1 (D)	SL	PCB 8080		7/22/97	7/22/97					1					
-61	O7-C1 (D)	SL	PCB 8080		7/22/97	7/22/97					1					

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MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-62	PS-91 (1)	SL	PCB 8080		7/22/97	7/22/97					1					
-63	PS-91 (2)	SL	PCB 8080		7/22/97	7/22/97					1					
-64	PS-97	SL	PCB 8080		7/22/97	7/22/97					1					
-65	GERB-1	AQ	PCB 8080		7/22/97	7/22/97					1					
-66	GERB-2	AQ	PCB 8080		7/22/97	7/22/97					1					
-67	GERB-3	AQ	PCB 8080		7/22/97	7/22/97					1					
-68	BERB-1	AQ	PCB 8080		7/22/97	7/22/97					1					
-69	BERB-2	AQ	PCB 8080		7/22/97	7/22/97					1					
-70	BERB-3	AQ	PCB 8080		7/22/97	7/22/97					1					
-71	WB-1	AQ	PCB 8080		7/22/97	7/22/97					1					

TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
0	0	0	0	77	0	0	0	0	0

NOTES: Make sure MS/MSD samples are not PEs
RL is 1ppm

ORIGINAL REPORT GOES TO:

Vanasse Hangen Brustlin, Inc.
101 Walnut Street, PO Box 9151
Watertown, MA 02272

Attn: Dave Carlson
Phone: 617 924-1770
Fax: 617 923-2336

INVOICE GOES TO:

Same
Attn: Accounts Payable

ADDITIONAL REPORT GOES TO:

None

860

MITKEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
(401) 732-3400 ● Fax (401) 732-3499
232 East Broadway Road, Suite 210 ● Tempe, Arizona 85282
(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617-924-1770	COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-2336	NAME	FAX	
ADDRESS 101 Walnut Street		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown, MA 02272		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Bolden Marsh	05437	05437

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	PCB 8080	COMMENTS
V2-C1	7/22/97	X			X			1	X	
V3-C1	"	X			X			1	X	
VA-C1	"	X			X			1	X	
U2-C1	"	X			X			1	X	
U3-C1	"	X			X			1	X	
UA-C1	"	X			X			1	X	
U6-C1	"	X			X			1	X	
U7-C1	"	X			X			1	X	
U8-C1	"	X			X			1	X	
T2-C1	"	X			X			1	X	
T5-C1	"	X			X			1	X	
T6-C1	"	X			X			1	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st		7/22/97		7-22-97 1545	1 week turnaround time	
2nd		"		"		

MILKEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
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(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617 924-1770	COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-2336	NAME	FAX	
ADDRESS 101 walnut Street		ADDRESS		TURNAROUND TIME: 1
CITY/ST/ZIP Watertown, MA 02272		CITY/ST/ZIP		

CLIENT PROJECT NAME: Boldon Metech

CLIENT PROJECT #: 05437

CLIENT P.O.#: 05437

REQUESTED ANALYSES: EB 3020

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS		COMMENTS
TB-C1	7/22/97	X			X			1	X	
S1-C1	/	X			X			1	X	
S3-C1	/	X			X			1	X	
S4-C1	/	X			X			1	X	
S6-C1	/	X			X			1	X	
S7-C1	/	X			X			1	X	
R1-C1	/	X			X			1	X	
R2-C1	/	X			X			1	X	
R3-C1	/	X			X			1	X	
R4-C1	/	X			X			1	X	
R6-C1	/	X			X			1	X	
Q1-C1	/	X			X			1	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st		7/22/97		7-22-97/ 1545	1 week turnaround	
2nd		/		/		
		/		/		

MITKEM CORPORATION
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(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617-924-1770	COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-2336	NAME	FAX	
ADDRESS 101 Walnut Street		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown, MA 02272		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Bidden Metech	05A37	05A37

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	PCB 8080	COMMENTS
Q2-C1	7/22/97	X			X			1	X	
Q4-C1	/	X			X			1	X	
Q6-C1	/	X			X			1	X	
Q7-C1	/	X			X			1	X	
P4-C1	/	X			X			1	X	
P6-C1	/	X			X			1	X	
P9-C1	/	X			X			1	X	
P10-C1	/	X			X			1	X	
P11-C1	/	X			X			1	X	
Q4-C1	/	X			X			1	X	
Q5-C1	/	X			X			1	X	
Q6-C1	/	X			X			1	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st	[signature]	7/22/97	[signature]	7-22-97/ 1545	1 week turnaround	
2nd	[signature]	/		/		

MEITEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
(401) 732-3400 ● Fax (401) 732-3499
1232 East Broadway Road, Suite 210 ● Tempe, Arizona 85282
(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617 924-1770		COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-2336		NAME	FAX	
ADDRESS 101 Walnut Street			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown MA 02172			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Boston Meteck	05A37	05A37

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	PCB 8082	COMMENTS
07-C1	7/22/97	X			X			1	X	
08-C1	/	X			X			1	X	
09-C1	/	X			X			1	X	
010-C1	/	X			X			1	X	
011-C1	/	X			X			1	X	
012-C1	/	X			X			1	X	
NA-C1	/	X			X			1	X	
N5-C1	/	X			X			1	X	
N6-C1	/	X			X			1	X	
N7-C1	/	X			X			1	X	
N8-C1	/	X			X			1	X	
N9-C1	/	X			X			1	X	

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st		7/22/97		7-22-97 1545	1 week turnaround	
2nd		/		/		

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MILKEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
(401) 732-3400 ● Fax (401) 732-3499
1232 East Broadway Road, Suite 210 ● Tempe, Arizona 85282
(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617-924-1770		COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-2286		NAME	FAX	
ADDRESS 101 Walnut Street			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown, MA 02172			CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Bolivia Metals	05437	05437

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: 8270	COMMENTS
N10-C1	7/22/97	X		X	X			1	X	
N11-C1	"	X			X			1	X	
N12-C1	"	X			X			1	X	
M9-C1	"	X			X			1	X	
L8-C1	"	X			X			1	X	
L9-C1	"	X			X			1	X	
L11-C1	"	X			X			1	X	
K8-C1	"	X			X			1	X	
K9-C1	"	X			X			1	X	
K10-C1	"	X			X			1	X	
	"									
	"									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st	[signature]	7/22/97	[signature]	7-22-97 1545	1 week turnaround	
2nd		"		"		

MITKEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
(401) 732-3400 ● Fax (401) 732-3499
1232 East Broadway Road, Suite 210 ● Tempe, Arizona 85282
(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Vanasse Hagen Brustlin	PHONE 617-924-1770	COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617 923-7536	NAME	FAX	
ADDRESS 101 Walnut Street		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown, MA 02272		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Bolivia Market	05A37	05A37

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	PCB 8082	REQUESTED ANALYSES	COMMENTS
B2-C1(0)	7/20/97	X			X			1	X		
P11-C1(0)	/	X			X			1	X		
G7-C1(0)	/	X			X			1	X		
PS-91(1)	/	X			X			1	X		
PS-91(2)	/	X			X			1	X		
PS-97(1)	/	X			X			1	X		
	/										
	/										
	/										
	/										
	/										
	/										

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st	[signature]	7/22/97	[signature]	7-22-97 1545	1 week turnaround	
2nd		/		/		

MITKEM CORPORATION
175 Metro Center Boulevard ● Warwick, Rhode Island 02886-1755
(401) 732-3400 ● Fax (401) 732-3499
1232 East Broadway Road, Suite 210 ● Tempe, Arizona 85282
(602 303-9535 ● Fax (602) 921-2883

CHAIN-OF-CUSTODY RECORD

REPORT TO		INVOICE TO		
COMPANY Vanasse Hangen Brustlin	PHONE 617-924-170	COMPANY (SAME)	PHONE	LAB REFERENCE #:
NAME Dave Carlson	FAX 617-923-7536	NAME	FAX	
ADDRESS 101 Walnut Street		ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP Watertown, MA 02272		CITY/ST/ZIP		

CLIENT PROJECT NAME:	CLIENT PROJECT #:	CLIENT P.O.#:
Bolida Metech	05437	05437

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: PCB 8080	COMMENTS
GERB-1	7/22/97			X				1	X	
GERB-2	"			X				1	X	
GERB-3	"			X				1	X	
BERB-1	"			X				1	X	
BERB-2	"			X				1	X	
BERB-3	"			X				1	X	
WB-1	"			X				1	X	
	"									
	"									
	"									
	"									
	"									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st	[signature]	7/22/97	[signature]	7-22-97 1545	1 week turnaround	
2nd		"		"		

QC Batch: P0729-B1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D\CONFIRM.D
Acq On : 31 Jul 97 01:28 AM Operator: JS
Sample : P0729-B1,P0729-B1,P0729-B1 Inst : E1
Misc : 3,,BLANK,2,,25000,,15,,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.69	7.29	3857	3762	16.881	17.818
					Recovery	=	42.20%	44.55%
2)	S	Decachlorobiphenyl	23.38	33.56	4435	2102	18.226	18.545
					Recovery	=	45.57%	46.36%
		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	0.00	0.00	0	0	N.D.	N.D.
5)	L1	Aroclor-1016	0.00	11.33	0	90	N.D.	3.037 #
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	90	N.D.	3.037
		Average Aroclor-1016					0.000	3.037
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	8.74	0	39	N.D.	5.995 #
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			0	39	N.D.	5.995
		Average Aroclor-1221					0.000	5.995
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	0.00	11.33	0	90	N.D.	2.585 #
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	90	N.D.	2.585
		Average Aroclor-1242					0.000	2.585
19)	L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D\CONFIRM.D
Acq On : 31 Jul 97 01:28 AM Operator: JS
Sample : P0729-B1,P0729-B1,P0729-B1 Inst : E1
Misc : 3,,BLANK,2,,25000,,15,,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.16f	0.00	61	0	2.721	N.D. #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			61	0	2.721	N.D.
Average	Aroclor-1248					2.721	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

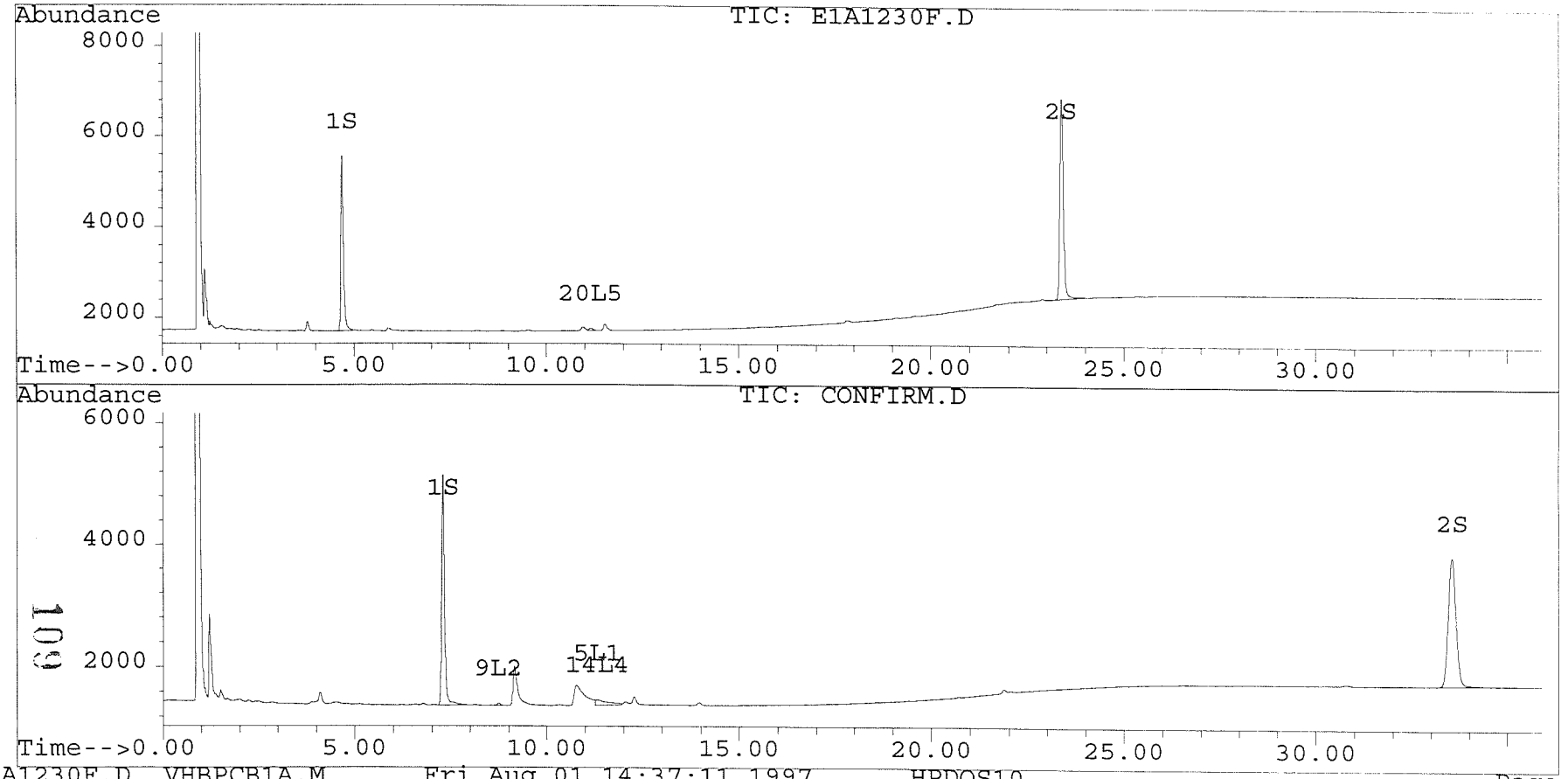
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1230F.D\CONFIRM.D
Acq On : 31 Jul 97 01:28 AM Operator: JS
Sample : P0729-B1,P0729-B1,P0729-B1 Inst : E1
Misc : 3,,BLANK,2,,25000,,15,,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D\CONFIRM.D
Acq On : 31 Jul 97 02:08 AM Operator: JS
Sample : P0729-LCS1,P0729-LCS1,P0729-B1,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,15,,,29-JUL-97, Multiplr: 1.00
Quant Time: Jul 31 15:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.68	7.29	4558	4089	19.950	19.364
					Recovery	=	49.88%	48.41%
2)	S	Decachlorobiphenyl	23.39	33.58	4599	2172	18.898	19.158
					Recovery	=	47.25%	47.90%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	9.02	12.72	96802	97038	1085.083	1098.364
4)	M	2,2',3,3',4,4'-Hexa	17.89	22.85	200604	180452	1102.293	1096.313m
5)	L1	Aroclor-1016	0.00	11.34	0	25	N.D.	0.831 #
6)	L1	Aroclor-1016 {2}	9.02	12.72	96802	97038	2134.917	2623.727
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			96802	97063	2134.917	2624.558
		Average Aroclor-1016					2134.917	1312.279
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	8.74	0	38	N.D.	5.801 #
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			0	38	N.D.	5.801
		Average Aroclor-1221					0.000	5.801
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}	8.83f	0.00	25	0	1.311	N.D. #
		Total Aroclor-1232			25	0	1.311	N.D.
		Average Aroclor-1232					1.311	0.000
14)	L4	Aroclor-1242	0.00	11.34f	0	25	N.D.	0.708 #
15)	L4	Aroclor-1242 {2}	9.02	0.00	96802	0	1813.741	N.D. #
16)	L4	Aroclor-1242 {3}	0.00	12.72f	0	97038	N.D.	2256.674 #
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			96802	97063	1813.741	2257.382
		Average Aroclor-1242					1813.741	1128.691
19)	L5	Aroclor-1248	10.94f	0.00	129	0	4.801	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D\CONFIRM.D
Acq On : 31 Jul 97 02:08 AM Operator: JS
Sample : P0729-LCS1,P0729-LCS1,P0729-B1,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,15,,,29-JUL-97, Multiplr: 1.00
Quant Time: Jul 31 15:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.16f	0.00	133	0	5.945	N.D. #
21) L5	Aroclor-1248 {3}	12.34f	16.32	27	36	0.957	1.437 #
Total	Aroclor-1248			289	36	11.703	1.437
Average	Aroclor-1248					3.901	1.437
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}	14.82	0.00	580	0	15.909	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			580	0	15.909	N.D.
Average	Aroclor-1254					15.909	0.000
27) L7	Aroclor-1260	17.89	0.00	200604	0	6177.355	N.D. #
28) L7	Aroclor-1260 {2}	18.88	0.00	101	0	1.624	N.D. #
29) L7	Aroclor-1260 {3}	20.02	25.42	101	105	2.266	4.265 #
Total	Aroclor-1260			200806	105	6181.245	4.265
Average	Aroclor-1260					2060.415	4.265

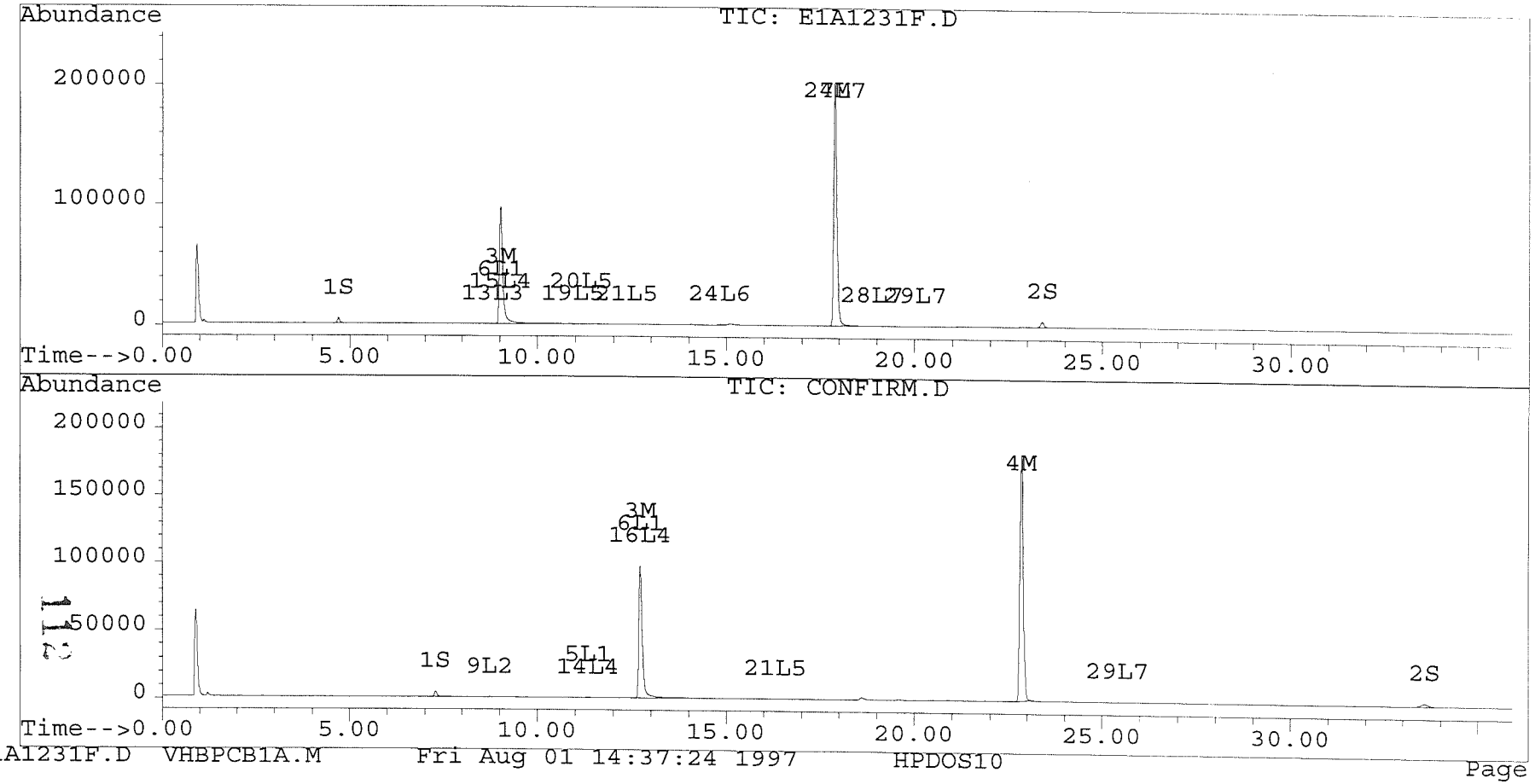
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1231F.D VHBPCB1A.M Fri Aug 01 14:37:18 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1231F.D\CONFIRM.D
Acq On : 31 Jul 97 02:08 AM Operator: JS
Sample : P0729-LCS1,P0729-LCS1,P0729-B1,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,15,,,29-JUL-97, Multiplr: 1.00
Quant Time: Jul 31 15:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D\CONFIRM.D
Acq On : 31 Jul 97 02:48 AM Operator: JS
Sample : D1145-01,V2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.69	7.29	4419	3841	19.342	18.190 ✓
				Recovery	=	48.36%	45.48%
2) S	Decachlorobiphenyl	23.39	33.59	4684	2050	19.250	18.084 ✓
				Recovery	=	48.13%	45.21%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.03	12.72	2607	2158	29.226	24.431
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.54	11.33	994	977	31.645	33.026
6) L1	Aroclor-1016 {2}	9.03	12.72	2607	2158	57.502	58.359
7) L1	Aroclor-1016 {3}	10.13	13.32	2443	490	101.163	28.277 #
Total	Aroclor-1016			6044	3625	190.309	119.661
Average	Aroclor-1016					63.436	39.887
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	0.00	8.73	0	49	N.D.	7.557 #
10) L2	Aroclor-1221 {3}	6.19f	9.52f	24	107	1.290	6.638 #
Total	Aroclor-1221			24	156	1.290	14.194
Average	Aroclor-1221					1.290	7.097
11) L3	Aroclor-1232	6.19f	0.00	24	0	1.489	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			24	0	1.489	N.D.
Average	Aroclor-1232					1.489	0.000
14) L4	Aroclor-1242	7.54	11.33f	994	977	27.205	28.108
15) L4	Aroclor-1242 {2}	9.03	12.43	2607	467	48.851	30.745 #
16) L4	Aroclor-1242 {3}	9.42	12.72f	470	2158	22.046	50.195 #
17) L4	Aroclor-1242 (4)	9.76	13.32	912	490	52.014	24.252 #
18) L4	Aroclor-1242 (5)	10.13	13.91f	2443	1688	86.688	87.303
Total	Aroclor-1242			7427	5781	236.804	220.604
Average	Aroclor-1242					47.361	44.121
19) L5	Aroclor-1248	10.91	15.57	2205	1530	82.076	101.527

113

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D\CONFIRM.D
Acq On : 31 Jul 97 02:48 AM Operator: JS
Sample : D1145-01,V2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.23	16.08	1881	1547	84.199	64.873
21) L5	Aroclor-1248 {3}	12.31	16.31	1873	1542	66.548	61.932
Total	Aroclor-1248			5959	4619	232.823	228.332
Average	Aroclor-1248					77.608	76.111
22) L6	Aroclor-1254	13.99	18.34	1174	1263	32.853	35.920
23) L6	Aroclor-1254 {2}	14.33	18.73	3025	2881	39.980	37.386
24) L6	Aroclor-1254 {3}	14.83	19.17	1635	1938	44.872	40.516
25) L6	Aroclor-1254 (4)	15.20	19.68	1986	1510	43.522	46.037
26) L6	Aroclor-1254 (5)	16.75	21.25	2531	2162	42.022	41.683
Total	Aroclor-1254			10351	9755	203.250	201.541
Average	Aroclor-1254					40.650	40.308
27) L7	Aroclor-1260	17.89	22.71	935	319	28.802	12.727 #
28) L7	Aroclor-1260 {2}	18.88	23.25	692	645	11.078	10.945
29) L7	Aroclor-1260 {3}	20.01	25.42	553	372	12.382	15.022
Total	Aroclor-1260			2180	1335	52.261	38.693
Average	Aroclor-1260					17.420	12.898

AR1242

$\frac{133.3 \text{ Aq/mL} \times 25\text{mL}}{15\text{g} \times \text{.89} \times 0.8} = 312$ ug/kg

(319)

$\frac{100.9 \times \frac{5}{2} \times 25}{15 \times 0.89} = 470$ Kc

AR1254

201.541

377

(380)

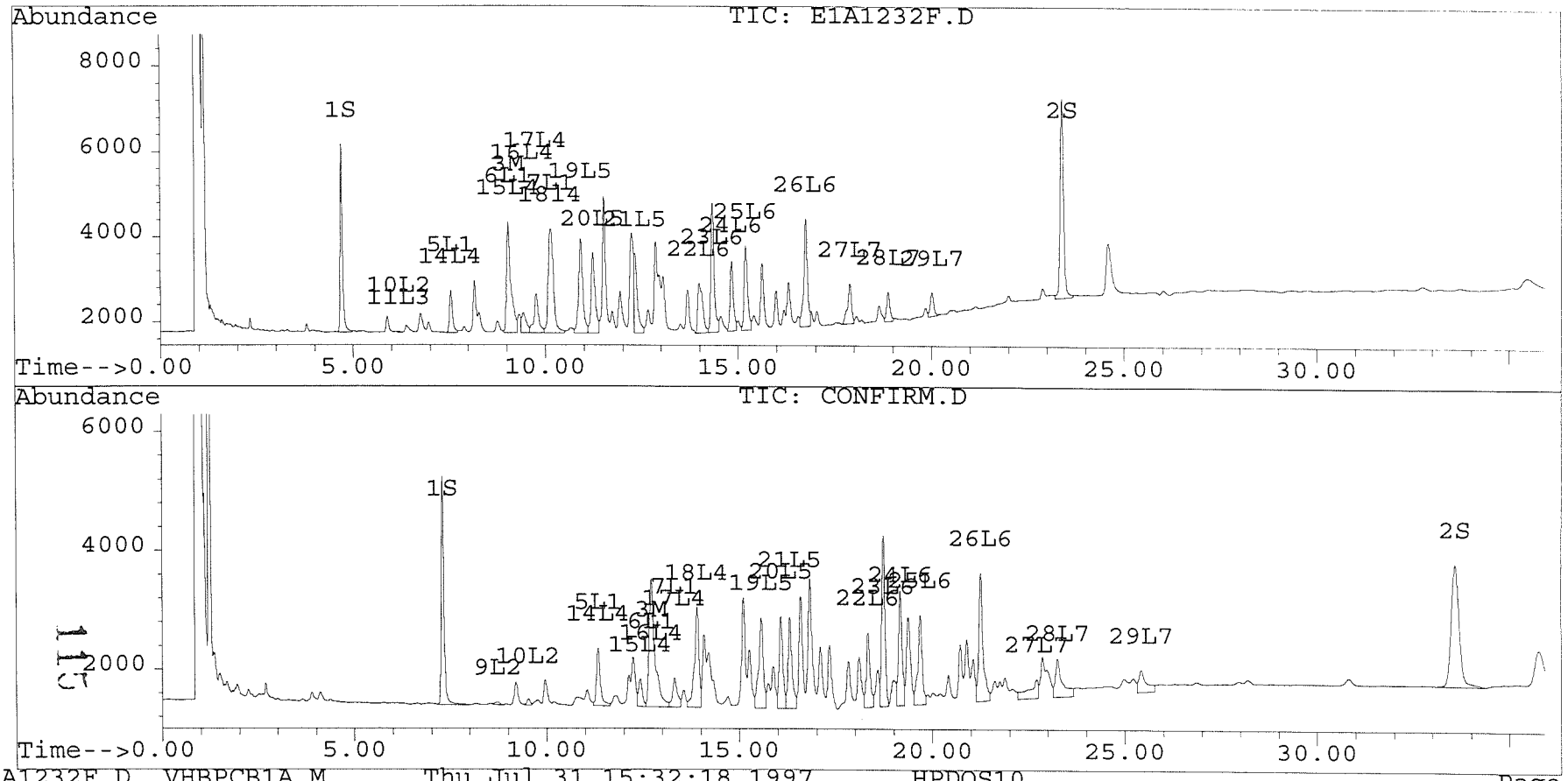
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1232F.D VHBPCB1A.M Thu Jul 31 15:32:11 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1232F.D\CONFIRM.D
Acq On : 31 Jul 97 02:48 AM Operator: JS
Sample : D1145-01,V2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 14:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D\CONFIRM.D
Acq On : 31 Jul 97 03:29 AM Operator: JS
Sample : D1145-01MS,V2-C1MS,P0729-B1,,PCBCOG.SPK Inst : E1
Misc : 3,,MS,2,,25000,,15,11,,29-JUL-97,22-JUL- Multiplr: 1.00
Quant Time: Jul 31 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.69	7.31	5479	4124	23.985	19.528
				Recovery	=	59.96%	48.82%
2) S	Decachlorobiphenyl	23.41	33.65f	5787	2155	23.783m	19.010m
				Recovery	=	59.46%	~~47.53%~~
							- 24.43
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.03	12.74	126485	103149	1417.809	1167.528m
4) M	2,2',3,3',4,4'-Hexa	17.90	22.88	238168	175090	1308.706m	1063.736m
5) L1	Aroclor-1016	7.55	11.35	3038	2384	96.700	80.635
6) L1	Aroclor-1016 {2}	9.03	12.74f	126485	103398	2789.561	2795.683
7) L1	Aroclor-1016 {3}	10.14	13.33	5835	1576	241.664	90.892 #
Total	Aroclor-1016			135358	107359	3127.925	2967.211
Average	Aroclor-1016					1042.642	989.070
8) L2	Aroclor-1221	3.70	0.00	74	0	9.268	N.D. #
9) L2	Aroclor-1221 {2}	5.61	0.00	103	0	15.201	N.D. #
10) L2	Aroclor-1221 {3}	6.20	9.54	219	264	11.693	16.327 #
Total	Aroclor-1221			397	264	36.161	16.327
Average	Aroclor-1221					12.054	16.327
11) L3	Aroclor-1232	6.20	9.54f	219	264	13.502	18.065 #
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			219	264	13.502	18.065
Average	Aroclor-1232					13.502	18.065
14) L4	Aroclor-1242	7.55f	11.35f	3038	2344	83.134	67.471m
15) L4	Aroclor-1242 {2}	9.03	12.45f	126485	1240	2369.902	81.574m#
16) L4	Aroclor-1242 {3}	9.43	12.74f	2330	103450	109.224	2405.788m#
17) L4	Aroclor-1242 (4)	9.76	13.33f	3224	1576	183.863	77.957 #
18) L4	Aroclor-1242 (5)	10.14	13.87	5835	1611	207.086	83.301m#
Total	Aroclor-1242			140912	110221	2953.209	2716.092
Average	Aroclor-1242					590.642	543.218
19) L5	Aroclor-1248	10.92	15.59f	6018	3569	223.993	236.879

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D\CONFIRM.D
Acq On : 31 Jul 97 03:29 AM Operator: JS
Sample : D1145-01MS,V2-C1MS,P0729-B1,,PCBCOG.SPK Inst : E1
Misc : 3,,MS,2,,25000,,15,11,,29-JUL-97,22-JUL- Multiplr: 1.00
Quant Time: Jul 31 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	11.24f	16.10f	5411	3638	242.151	152.515 #
21) L5 Aroclor-1248 {3}	12.25f	16.33f	6328	3540	224.874	142.167 #
Total Aroclor-1248			17757	10746	691.018	531.561
Average Aroclor-1248					230.339	177.187
22) L6 Aroclor-1254	14.00	18.36f	3052	2658	85.390	75.590
23) L6 Aroclor-1254 {2}	14.34	18.75f	8029	6220	106.137	80.707
24) L6 Aroclor-1254 {3}	14.84	19.19f	4943	4178	135.661	87.340 #
25) L6 Aroclor-1254 (4)	15.20	19.70f	5977	3152	130.979	96.082 #
26) L6 Aroclor-1254 (5)	16.77	21.27f	6634	4322	110.140	83.326
Total Aroclor-1254			28635	20531	568.308	423.045
Average Aroclor-1254					113.662	84.609
27) L7 Aroclor-1260	17.90	0.00	237699	0	7319.677	N.D. #
28) L7 Aroclor-1260 {2}	18.89	23.27f	2067	1607	33.098	27.288
29) L7 Aroclor-1260 {3}	20.02	0.00	1645	0	36.807	N.D. #
Total Aroclor-1260			241411	1607	7389.581	27.288
Average Aroclor-1260					2463.194	27.288

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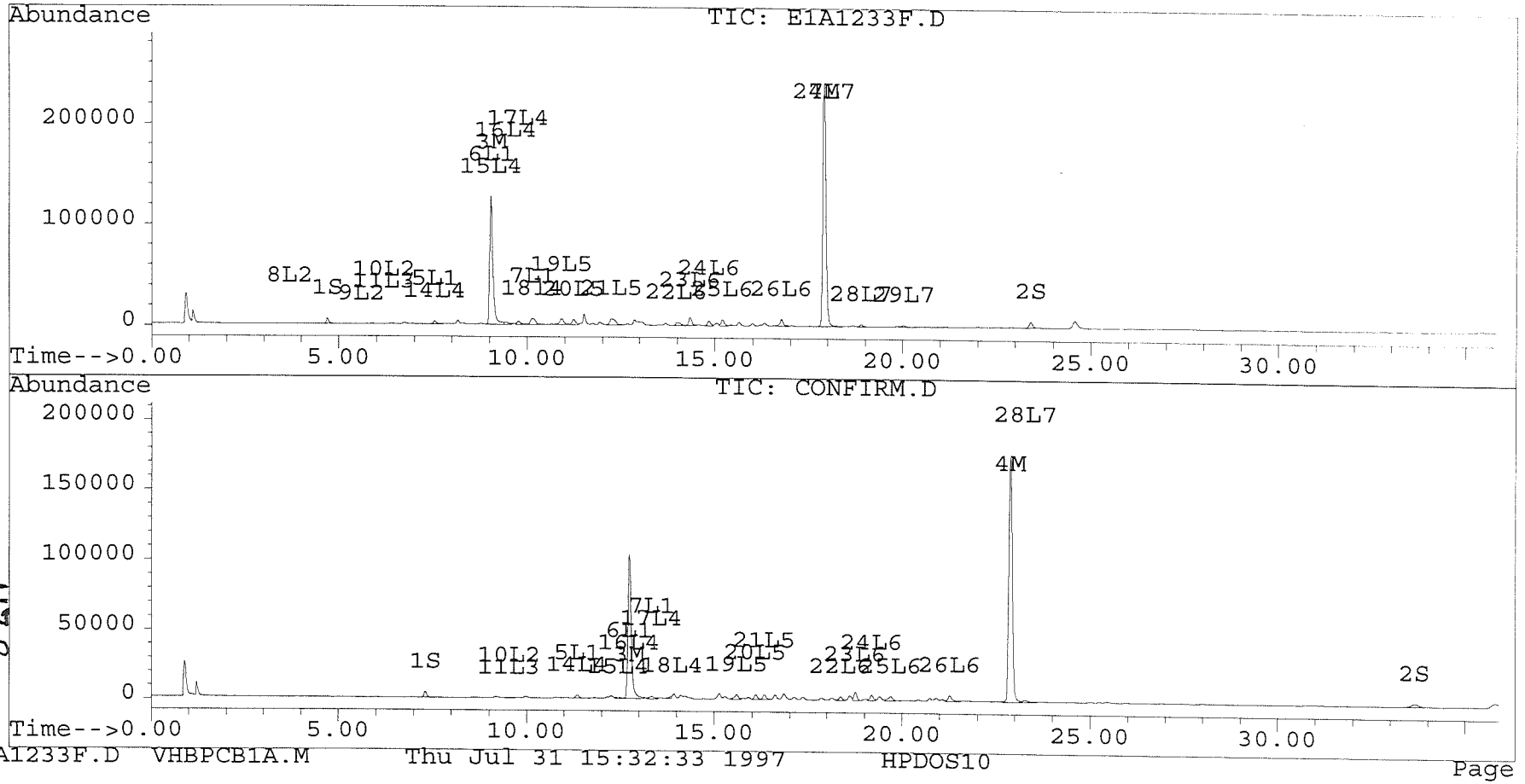
Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1233F.D\CONFIRM.D
Acq On : 31 Jul 97 03:29 AM Operator: JS
Sample : D1145-01MS,V2-C1MS,P0729-B1,,PCBCOG.SPK Inst : E1
Misc : 3,,MS,2,,25000,,15,11,,29-JUL-97,22-JUL- Multiplr: 1.00
Quant Time: Jul 31 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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



E1A1233F.D VHBPCB1A.M Thu Jul 31 15:32:33 1997 HPDOS10

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D\CONFIRM.D
Acq On : 31 Jul 97 04:09 AM Operator: JS
Sample : D1145-01MSD,V2-C1MSD,P0729-B1,,PCBCOG.SP Inst : E1
Misc : 3,,MSD,2,,25000,,15,11,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.69	7.30	7375	4847	32.281	22.955 #
				Recovery	=	80.70%	57.39%
2) S	Decachlorobiphenyl	23.40	33.65f	7422	2734	30.499m	24.119m
				Recovery	=	76.25%	60.30%
							- 24.43
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.02	12.73	147351	115209	1651.710	1304.038m
4) M	2,2',3,3',4,4'-Hexa	17.89	22.87	288246	208831	1583.876m	1268.723m
5) L1	Aroclor-1016	7.54	11.35	2805	2000	89.282	67.654
6) L1	Aroclor-1016 (2)	9.02	12.74	147351	115474	3249.765	3122.199
7) L1	Aroclor-1016 (3)	10.14	13.33	5425	1392	224.666	80.272 #
Total	Aroclor-1016			155581	118867	3563.713	3270.125
Average	Aroclor-1016					1187.904	1090.042
8) L2	Aroclor-1221	3.70	0.00	49	0	6.097	N.D. #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	6.20	9.54	315	197	16.803	12.188 #
Total	Aroclor-1221			364	197	22.900	12.188
Average	Aroclor-1221					11.450	12.188
11) L3	Aroclor-1232	6.20f	9.54f	315	197	19.403	13.486 #
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			315	197	19.403	13.486
Average	Aroclor-1232					19.403	13.486
14) L4	Aroclor-1242	7.54	11.35f	2471	2000	67.622m	57.581
15) L4	Aroclor-1242 (2)	9.02	12.44f	147218	963	2758.377m	63.370 #
16) L4	Aroclor-1242 (3)	9.41	12.74f	2231	115648	104.576m	2689.460m#
17) L4	Aroclor-1242 (4)	9.76	13.33f	2576	1392	146.899m	68.848 #
18) L4	Aroclor-1242 (5)	10.14	13.86	5221	1366	185.283m	70.633m#
Total	Aroclor-1242			159717	121370	3262.756	2949.891
Average	Aroclor-1242					652.551	589.978
19) L5	Aroclor-1248	10.91	15.59f	4916	2709	182.997	179.798

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D\CONFIRM.D
Acq On : 31 Jul 97 04:09 AM Operator: JS
Sample : D1145-01MSD,V2-C1MSD,P0729-B1,,PCBCOG.SP Inst : E1
Misc : 3,,MSD,2,,25000,,15,11,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.23	16.09f	4153	2724	185.867	114.196 #
21) L5	Aroclor-1248 {3}	0.00	16.32f	0	2809	N.D.	112.828 #
Total	Aroclor-1248			9070	8242	368.864	406.822
Average	Aroclor-1248					184.432	135.607
22) L6	Aroclor-1254	13.99	18.35f	2512	2132	70.282	60.617
23) L6	Aroclor-1254 {2}	14.34	18.75f	6340	5250	83.801	68.127
24) L6	Aroclor-1254 {3}	14.83	19.18f	4460	3408	122.387	71.237 #
25) L6	Aroclor-1254 (4)	15.20	19.69f	4855	2825	106.390	86.110
26) L6	Aroclor-1254 (5)	16.76	21.27f	5755	3898	95.558	75.149
Total	Aroclor-1254			23922	17513	478.418	361.240
Average	Aroclor-1254					95.684	72.248
27) L7	Aroclor-1260	17.89	0.00	287903	0	8865.638	N.D. #
28) L7	Aroclor-1260 {2}	18.89	23.27f	1703	1515	27.277	25.723
29) L7	Aroclor-1260 {3}	20.02	0.00	1401	0	31.363	N.D. #
Total	Aroclor-1260			291008	1515	8924.278	25.723
Average	Aroclor-1260					2974.759	25.723

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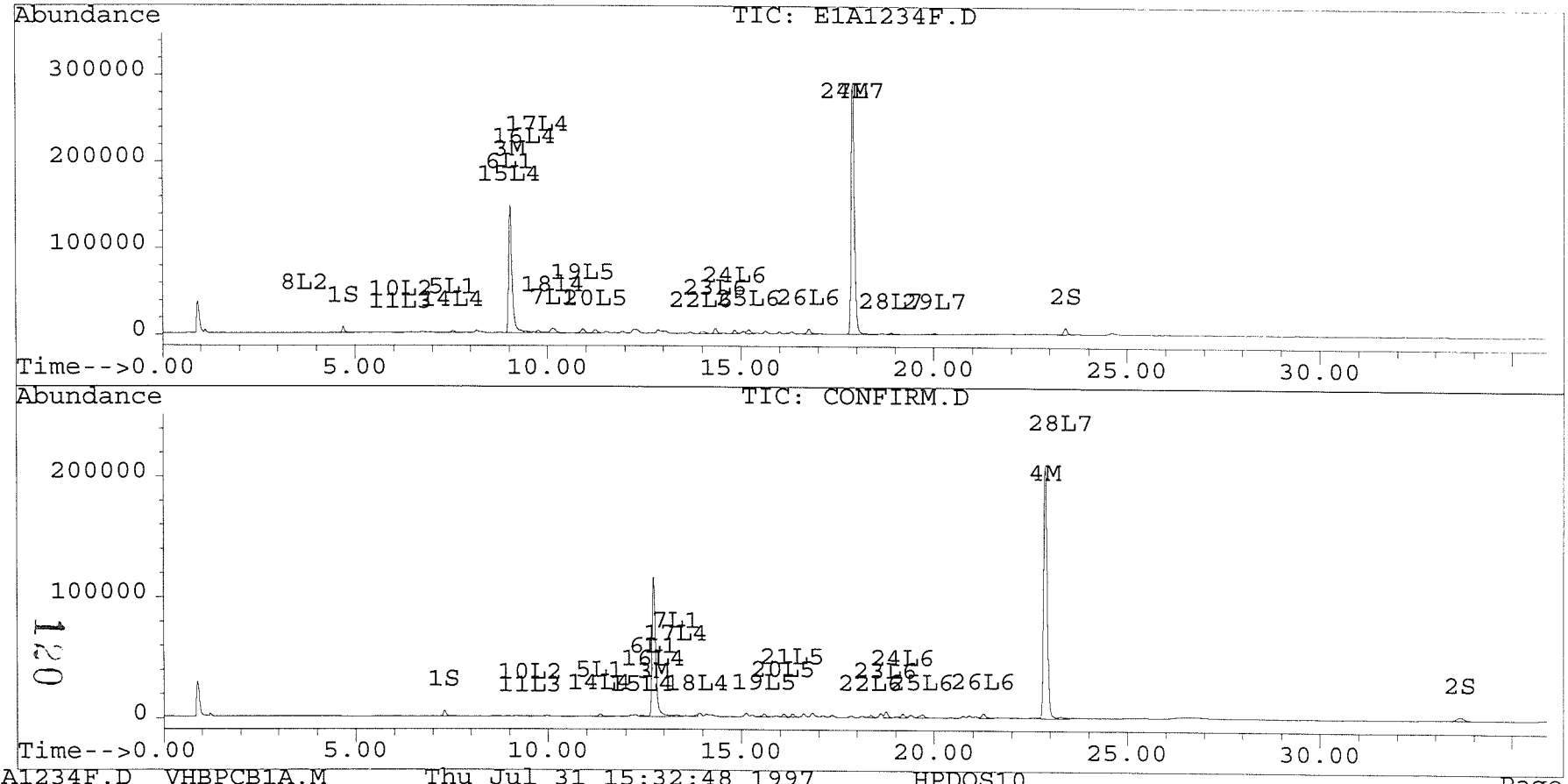
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1234F.D\CONFIRM.D
Acq On : 31 Jul 97 04:09 AM Operator: JS
Sample : D1145-01MSD,V2-C1MSD,P0729-B1,,PCBCOG.SP Inst : E1
Misc : 3,,MSD,2,,25000,,15,11,,29-JUL-97,22-JUL Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D\E1A1414R.D
Acq On : 05 Aug 97 01:54 PM Operator: JS/GML
Sample : D1145-02,V3-C1,P0729-B1,,,3x dilution Inst : E1
Misc : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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	4.38	6.87	1036	1062	4.535m	5.031m
				Recovery	=	11.34%	12.58%
2) S	Decachlorobiphenyl	22.68	31.80	1097	1130	4.509	9.971m#
				Recovery	=	11.27%	24.93%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	16781	13570	188.101	153.602
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	2620	2785	14.399	16.918
5) L1	Aroclor-1016	7.13	10.81	5021	4611	159.839	155.962
6) L1	Aroclor-1016 {2}	8.57	12.17	16781	13570	370.092	366.917
7) L1	Aroclor-1016 {3}	9.67	12.75	10742	2521	444.853	145.359 #
Total	Aroclor-1016			32544	20703	974.784	668.238
Average	Aroclor-1016					324.928	222.746
8) L2	Aroclor-1221	3.64f	0.00	3258	0	406.493	N.D. #
9) L2	Aroclor-1221 {2}	5.52f	8.64f	583	388	85.820	59.955 #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			3841	388	492.313	59.955
Average	Aroclor-1221					246.156	59.955
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	10.96	0	764	N.D.	54.191 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	764	N.D.	54.191
Average	Aroclor-1232					0.000	54.191
14) L4	Aroclor-1242	7.13	10.81	4499	4611	~~123.121~~m	132.741
15) L4	Aroclor-1242 {2}	8.57	11.88	16590	2251	310.842m	148.060 #
16) L4	Aroclor-1242 {3}	8.96	12.17	2261	13570	~~105.982~~m	315.587 #
17) L4	Aroclor-1242 (4)	9.29	12.75	5482	2521	312.616m	124.672 #
18) L4	Aroclor-1242 (5)	9.67	13.34	10221	7060	362.723m	365.049
Total	Aroclor-1242			39053	30014	1215.283	1086.109
Average	Aroclor-1242					243.057	217.222
19) L5	Aroclor-1248	10.42	14.97	10589	7520	394.139	499.161 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D\E1A1414R.D
Acq On : 05 Aug 97 01:54 PM Operator: JS/GML
Sample : D1145-02,V3-C1,P0729-B1,,,3 x dilution Inst : E1
Misc : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	11306	6650	505.980	278.789 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	7233	N.D.	290.493 #
Total Aroclor-1248			21895	21403	900.120	1068.442
Average Aroclor-1248					450.060	356.147
22) L6 Aroclor-1254	13.46	17.72	4443	4762	124.310	135.395
23) L6 Aroclor-1254 {2}	13.80	18.11	10232	10029	135.246	130.127
24) L6 Aroclor-1254 {3}	14.29	18.54	4703	7208	129.062	150.658
25) L6 Aroclor-1254 (4)	14.65	19.05	7346	5836	160.972	177.907
26) L6 Aroclor-1254 (5)	16.20	20.60	7509	7765	124.678	149.703
Total Aroclor-1254			34232	35599	674.267	743.789
Average Aroclor-1254					134.853	148.758
27) L7 Aroclor-1260	17.32	22.01	2620	1778	80.692	70.994
28) L7 Aroclor-1260 {2}	18.31	22.50	3573	2931	57.216	49.770
29) L7 Aroclor-1260 {3}	19.42	24.46	1924	2087	43.055	84.379 #
Total Aroclor-1260			8117	6796	180.964	205.143
Average Aroclor-1260					60.321	68.381

$AR1242 = \frac{987 \times \frac{5}{3} \times 25 \times 3}{15 \times 0.83} = 9900$

$AR1254 = \frac{674 \times 3 \times 25}{15 \times 0.83} = 4100$

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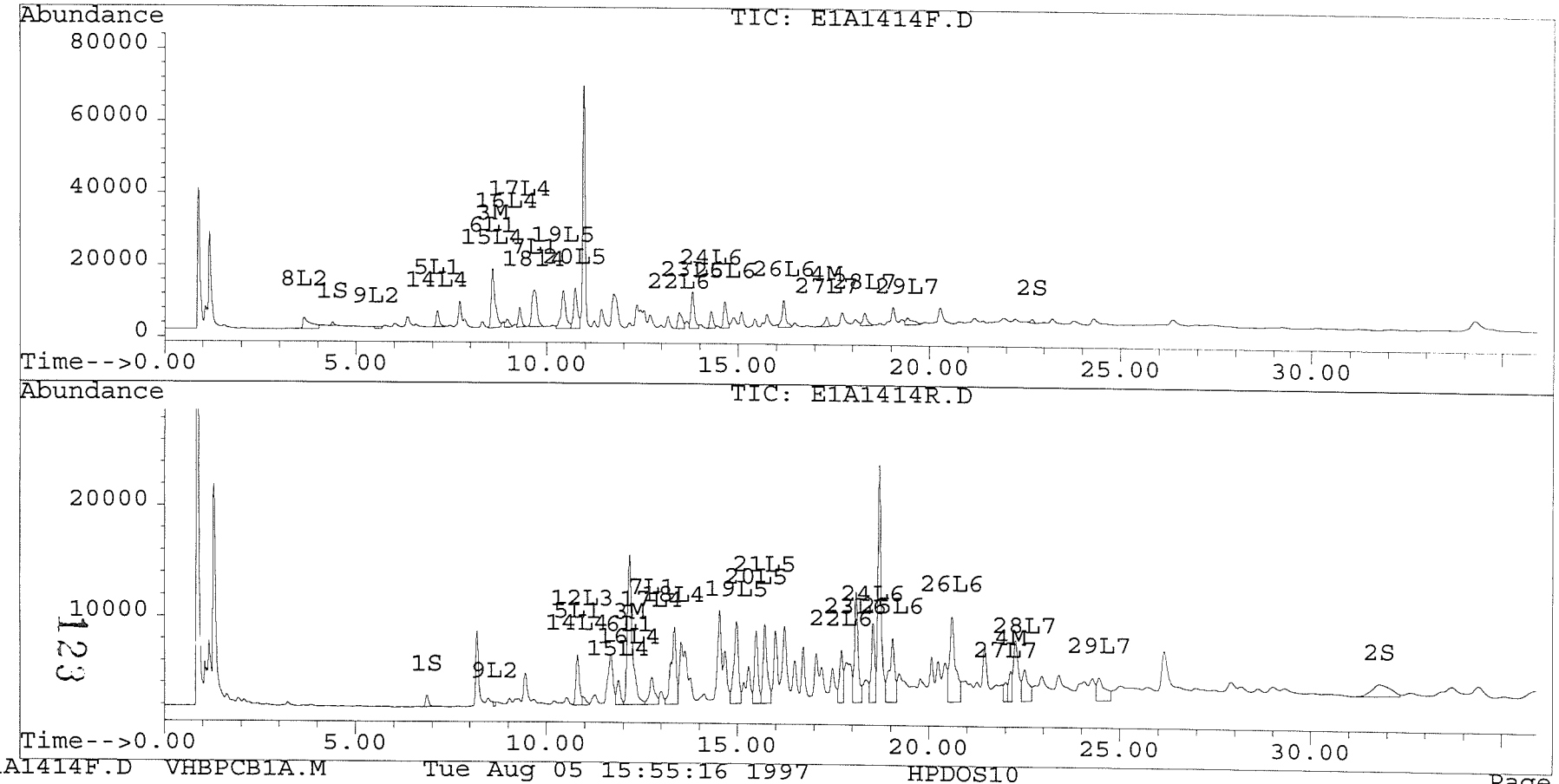
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1414F.D\E1A1414R.D
Acq On : 05 Aug 97 01:54 PM Operator: JS/GML
Sample : D1145-02,V3-C1,P0729-B1,,,3 * dilution Inst : E1
Misc : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D\CONFIRM.D
Acq On : 31 Jul 97 04:49 AM Operator: JS
Sample : D1145-02,V3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

do not 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	4.69	7.31	8510	5866	37.250	27.777#
				Recovery	=	93.13%	69.44%
2) S	Decachlorobiphenyl	23.40	33.65f	8677	3508	35.658	30.943m
				Recovery	=	89.15%	77.36%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.02	12.73	93948	61809	1053.090	699.612m#
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.54	11.34	25405	19069	808.692	644.919
6) L1	Aroclor-1016 {2}	9.02	12.73	93948	61002	2071.970	1649.383
7) L1	Aroclor-1016 {3}	10.14	13.33	49084	11126	2032.752	641.459 #
Total	Aroclor-1016			168437	91197	4913.414	2935.760
Average	Aroclor-1016					1637.805	978.587
8) L2	Aroclor-1221	3.70	0.00	317	0	39.546	N.D. #
9) L2	Aroclor-1221 {2}	5.57f	0.00	100	0	14.775	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.53	0	2802	N.D.	173.556 #
Total	Aroclor-1221			417	2802	54.322	173.556
Average	Aroclor-1221					27.161	173.556
11) L3	Aroclor-1232	0.00	9.53f	0	2802	N.D.	192.029 #
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	2802	N.D.	192.029
Average	Aroclor-1232					0.000	192.029
14) L4	Aroclor-1242	7.54	11.34f	25405	19069	695.238	548.897
15) L4	Aroclor-1242 {2}	9.02	12.44f	93948	9854	1760.265	648.262 #
16) L4	Aroclor-1242 {3}	9.42	12.73f	14224	60984	666.756	1418.217m#
17) L4	Aroclor-1242 (4)	9.75	13.33f	35038	11126	1998.078	550.169 #
18) L4	Aroclor-1242 (5)	10.14	13.83f	49084	19141	1741.898	989.747 #
Total	Aroclor-1242			217699	120174	6862.235	4155.293
Average	Aroclor-1242					1372.447	831.059
19) L5	Aroclor-1248	10.91	15.58f	53728	35629	1999.870	2365.028

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

Quantitation Report

```
Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D     Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D\CONFIRM.D
Acq On    : 31 Jul 97   04:49 AM                      Operator: JS
Sample    : D1145-02,V3-C1,P0729-B1,                  Inst    : E1
Misc      : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method         : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title          : VHB PCB 5  LEVEL RUN 7/29/97
Last Update    : Thu Jul 31 14:58:29 1997
Response via   : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.23	16.09	55535	31637	2485.375	1326.373
21) L5	Aroclor-1248 {3}	0.00	16.32f	0	32892	N.D.	1320.969 #
Total	Aroclor-1248			109263	100158	4485.245	5012.370
Average	Aroclor-1248					2242.623	1670.790
22) L6	Aroclor-1254	13.99	18.35f	28188	21604	788.736	614.308
23) L6	Aroclor-1254 {2}	14.34	18.75f	59066	45762	780.759	593.795
24) L6	Aroclor-1254 {3}	14.83	19.18f	28592	32140	784.684	671.809
25) L6	Aroclor-1254 (4)	15.19	19.70f	43255	20958	947.839	638.844 #
26) L6	Aroclor-1254 (5)	16.76	21.27f	49353	32427	819.405	625.156
Total	Aroclor-1254			208454	152892	4121.423	3143.911
Average	Aroclor-1254					824.285	628.782
27) L7	Aroclor-1260	17.90	22.73f	18972	3480	584.218	138.946 #
28) L7	Aroclor-1260 {2}	18.89	23.27f	14420	9118	230.915	154.838 #
29) L7	Aroclor-1260 {3}	20.02	0.00	11263	0	252.072	N.D. #
Total	Aroclor-1260			44655	12598	1067.205	293.784
Average	Aroclor-1260					355.735	146.892

AR1242 ~~8800~~ AR1254 6,300

3 pts

5500 x 5/3 x 25 / 15 x 0.83

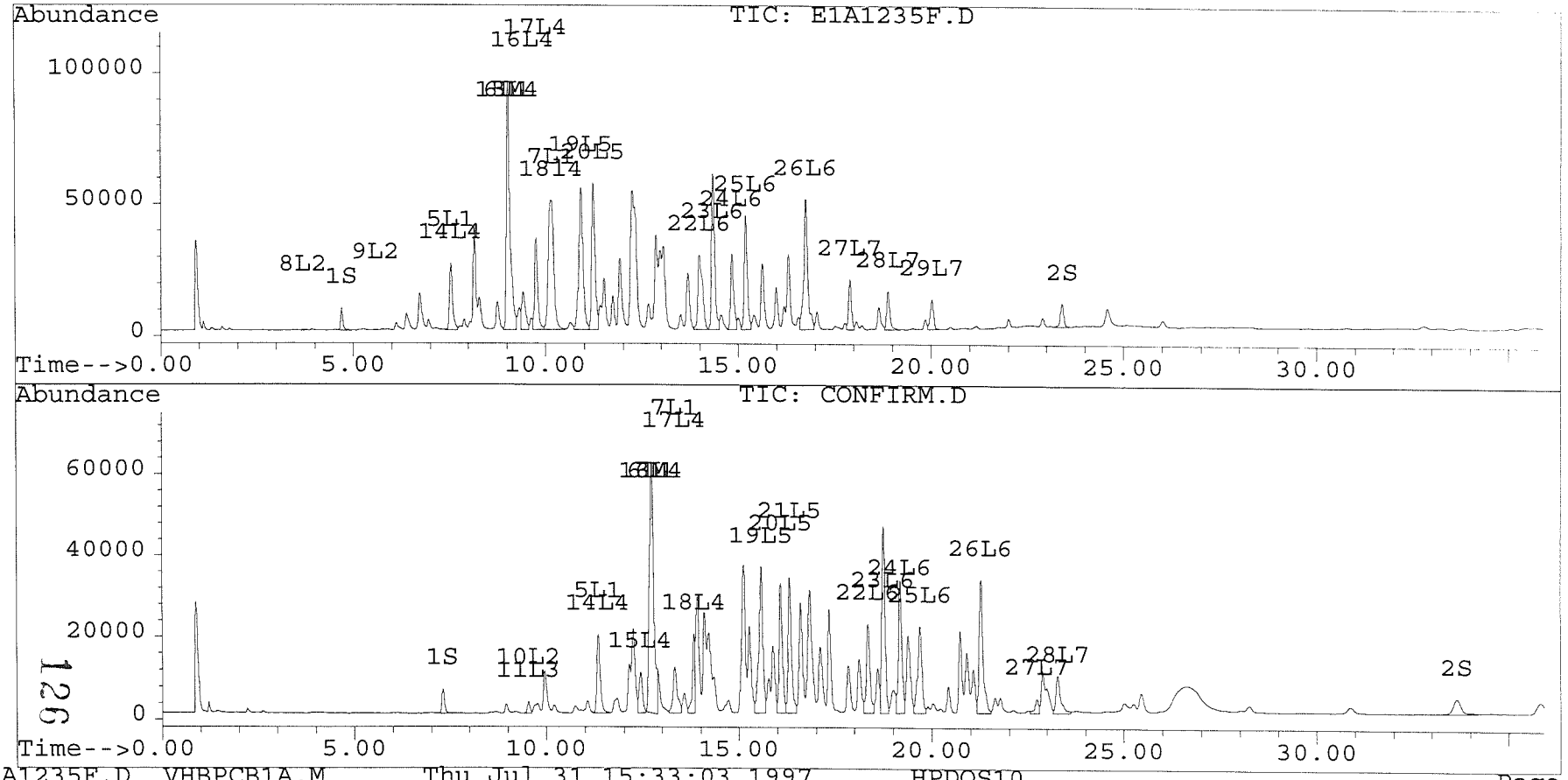
125

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1235F.D\CONFIRM.D
Acq On : 31 Jul 97 04:49 AM Operator: JS
Sample : D1145-02,V3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,17,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D\CONFIRM.D
Acq On : 31 Jul 97 05:30 AM Operator: JS
Sample : D1145-03,V4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.71	7.33f	7981	5972	34.933m	28.282
				Recovery	=	87.33%	70.71%
2) S	Decachlorobiphenyl	23.44f	33.73f	8156	3261	33.518m	28.765m
				Recovery	=	83.80%	71.91%
	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	0.00	22.76	0	884	N.D.	5.371 #
5) L1	Aroclor-1016	7.56	0.00	6378	0	203.039	N.D. #
6) L1	Aroclor-1016 {2}	9.05f	0.00	16136	0	355.877	N.D. #
7) L1	Aroclor-1016 {3}	10.16	13.36f	11461	2498	474.639	144.045 #
Total	Aroclor-1016			33976	2498	1033.555	144.045
Average	Aroclor-1016					344.518	144.045
8) L2	Aroclor-1221	3.71	0.00	116	0	14.434	N.D. #
9) L2	Aroclor-1221 {2}	5.65f	8.72f	361	1157	53.199	178.824 #
10) L2	Aroclor-1221 {3}	6.22	9.56	607	342	32.361	21.161 #
Total	Aroclor-1221			1084	1499	99.994	199.985
Average	Aroclor-1221					33.331	99.992
11) L3	Aroclor-1232	6.22	9.56	607	342	37.368	23.414 #
12) L3	Aroclor-1232 {2}	0.00	11.09f	0	657	N.D.	46.581 #
13) L3	Aroclor-1232 {3}	0.00	12.47f	0	2124	N.D.	138.306 #
Total	Aroclor-1232			607	3122	37.368	208.301
Average	Aroclor-1232					37.368	69.434
14) L4	Aroclor-1242	7.56f	11.37f	5854	4718	160.202m	135.807m
15) L4	Aroclor-1242 {2}	9.05f	12.47f	15605	2178	292.386m	143.282m#
16) L4	Aroclor-1242 {3}	9.45f	12.76f	2854	10303	133.778m	239.602m#
17) L4	Aroclor-1242 (4)	9.78f	13.36f	4825	2526	275.150m	124.910m#
18) L4	Aroclor-1242 (5)	10.16	13.89	10898	2902	386.748m	150.055m#
Total	Aroclor-1242			40036	22627	1248.264	793.656
Average	Aroclor-1242					249.653	158.731
19) L5	Aroclor-1248	10.94f	0.00	11064	0	411.819	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D\CONFIRM.D
Acq On : 31 Jul 97 05:30 AM Operator: JS
Sample : D1145-03,V4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.27	0.00	10020	0	356.055	N.D. #
Total	Aroclor-1248			21084	0	767.874	N.D.
Average	Aroclor-1248					383.937	0.000
22) L6	Aroclor-1254	14.01f	18.38f	4459	3439	124.768m	97.788m
23) L6	Aroclor-1254 {2}	14.36f	18.78f	11062	8542	146.217	110.838m
24) L6	Aroclor-1254 {3}	14.86f	19.21f	5472	5677	150.174m	118.664m
25) L6	Aroclor-1254 (4)	15.22f	19.73f	7361	3971	161.305	121.043m
26) L6	Aroclor-1254 (5)	16.81f	21.31f	14318	6019	237.721m	116.039m#
Total	Aroclor-1254			42672	27648	820.185	564.372
Average	Aroclor-1254					164.037	112.874
27) L7	Aroclor-1260	17.93f	0.00	3070	0	94.542	N.D. #
28) L7	Aroclor-1260 {2}	18.91f	0.00	2693	0	43.118	N.D. #
29) L7	Aroclor-1260 {3}	20.05f	0.00	2000	0	44.774	N.D. #
Total	Aroclor-1260			7763	0	182.434	N.D.
Average	Aroclor-1260					60.811	0.000

AR1242 (1500)

AR1254 (1100)

$\frac{(292 + 275) \times \frac{5}{2} \times 25}{15 \times 0.87} = 2700$

128

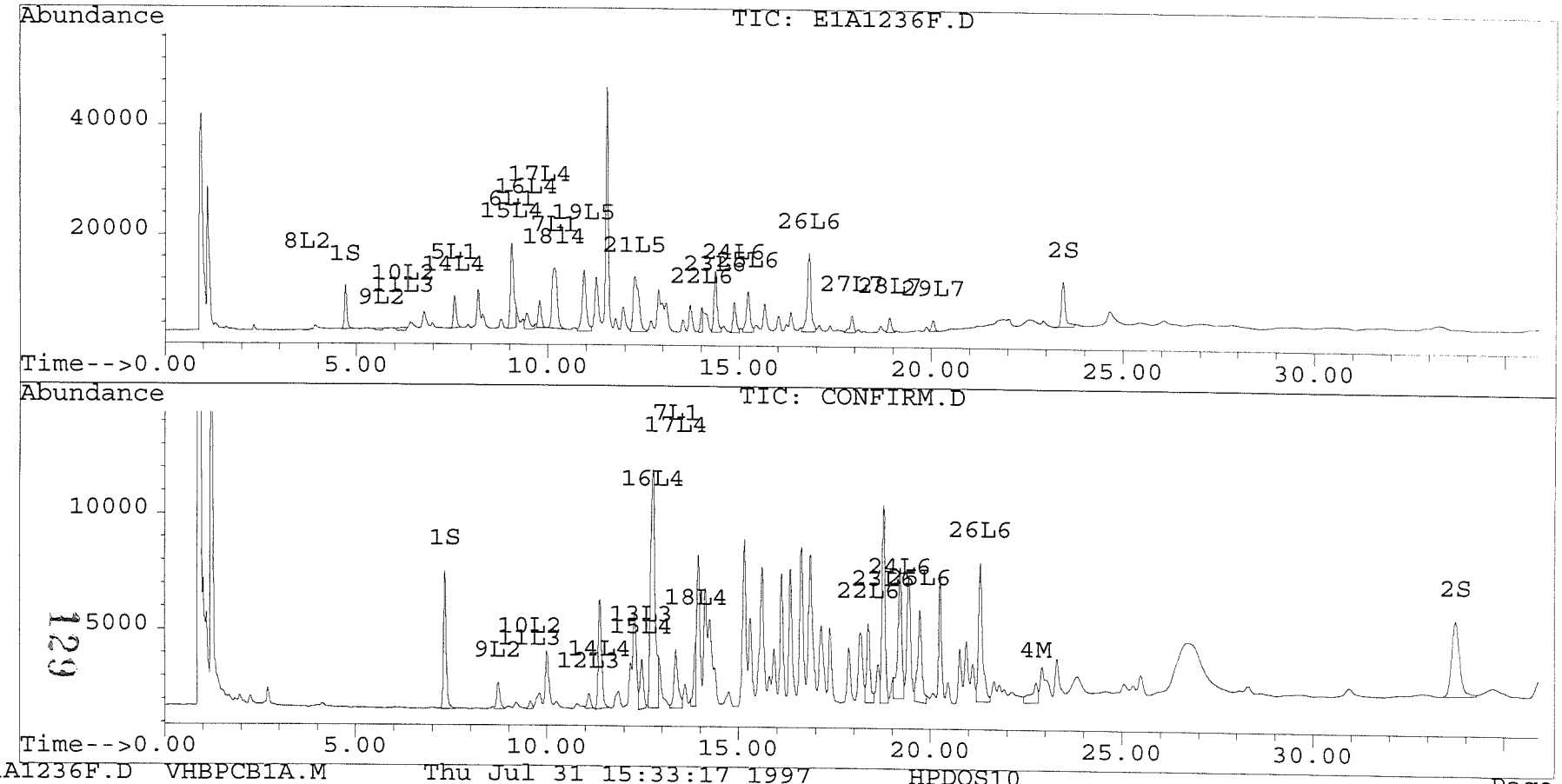
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1236F.D\CONFIRM.D
Acq On : 31 Jul 97 05:30 AM Operator: JS
Sample : D1145-03,V4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D\E1A1413R.D
Acq On : 05 Aug 97 01:15 PM Operator: JS/GML
Sample : D1145-04, U2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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	4.38	6.87	3421	3057	14.973m	14.478m
			Recovery	=	37.43%	36.20%
2) S Decachlorobiphenyl	22.68	31.92f	2787	2003	11.451	17.666m#
			Recovery	=	28.63%	44.17%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.58	12.16	1061	1131	11.892	12.799
4) M 2,2',3,3',4,4'-Hexa	17.32	0.00	6212	0	34.133	N.D. #
5) L1 Aroclor-1016	7.13	10.82	405	462	12.879	15.611
6) L1 Aroclor-1016 {2}	8.58	12.16	1061	1131	23.397	30.573 #
7) L1 Aroclor-1016 {3}	9.64f	12.76	7042	336	291.645	19.389 #
Total Aroclor-1016			8508	1929	327.921	65.572
Average Aroclor-1016					109.307	21.857
8) L2 Aroclor-1221	3.62	0.00	1027	0	128.183	N.D. #
9) L2 Aroclor-1221 {2}	5.52f	0.00	613	0	90.271	N.D. #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			1641	0	218.453	N.D.
Average Aroclor-1221					109.227	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	10.98f	0	1397	N.D.	99.079 #
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	1397	N.D.	99.079
Average Aroclor-1232					0.000	99.079
14) L4 Aroclor-1242	7.13	10.82	405	462	11.072	13.287
15) L4 Aroclor-1242 {2}	8.58	11.88	1064	186	19.936m	12.229 #
16) L4 Aroclor-1242 {3}	8.96	12.16	213	1131	9.970	26.296 #
17) L4 Aroclor-1242 (4)	9.29	12.76	494	336	28.196	16.629 #
18) L4 Aroclor-1242 (5)	9.64f	13.35	7042	6441	249.915	333.028 #
Total Aroclor-1242			9218	8555	319.090	401.468
Average Aroclor-1242					63.818	80.294
19) L5 Aroclor-1248	10.42	14.98	3668	1409	136.540	130.503 #

72

this is could be 88%

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D\E1A1413R.D
Acq On : 05 Aug 97 01:15 PM Operator: JS/GML
Sample : D1145-04, U2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	1738	3786	77.772	158.730 #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			5406	5195	214.311	252.233
Average	Aroclor-1248					107.156	126.117
22) L6	Aroclor-1254	13.45	17.72	9386	9666	262.617	274.865
23) L6	Aroclor-1254 {2}	13.80	18.11	22048	21433	291.443	278.103
24) L6	Aroclor-1254 {3}	14.29	18.54	11150	12779	306.001	267.110
25) L6	Aroclor-1254 (4)	14.65	19.05	14100	11462	308.966	349.379
26) L6	Aroclor-1254 (5)	16.20	20.60	20108	16590	333.850	319.838
Total	Aroclor-1254			76791	71930	1502.878	1489.294
Average	Aroclor-1254					300.576	297.859
27) L7	Aroclor-1260	17.32	22.01	6212	2419	191.284	96.594 #
28) L7	Aroclor-1260 {2}	18.30	22.50	7974	5224	127.695	88.702 #
29) L7	Aroclor-1260 {3}	19.43	24.46	3370	4307	75.428	174.123 #
Total	Aroclor-1260			17556	11950	394.407	359.419
Average	Aroclor-1260					131.469	119.806

AR1254 = $\frac{1489 \times 25}{15 \times 0.89} \approx 2800$

131

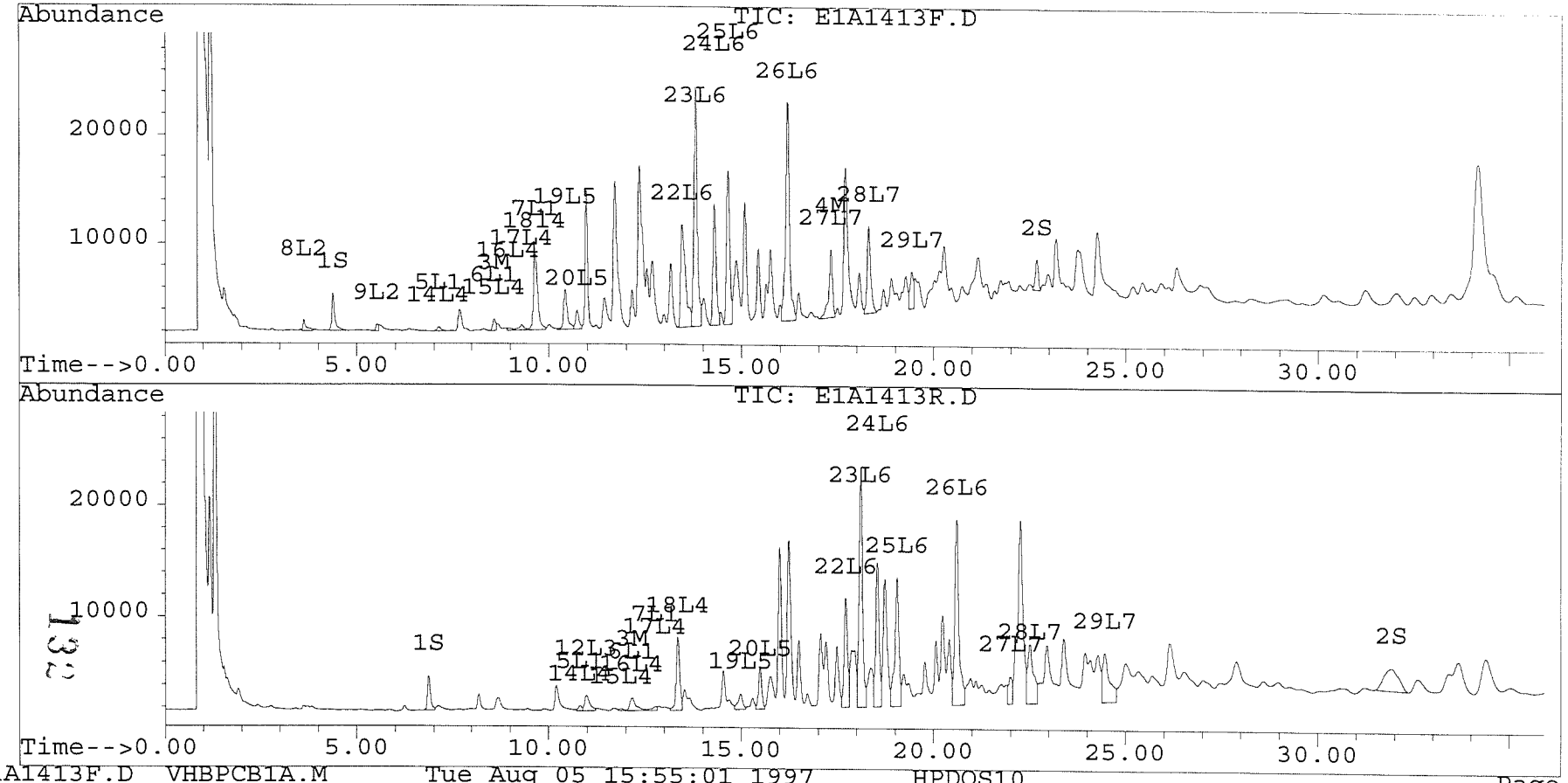
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1413F.D\E1A1413R.D
Acq On : 05 Aug 97 01:15 PM Operator: JS/GML
Sample : D1145-04, U2-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D\CONFIRM.D
Acq On : 31 Jul 97 06:10 AM Operator: JS
Sample : D1145-04,U2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

do not 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	4.71f	7.33f	11670	8694	51.081	41.173 ✓
				Recovery	=	127.70%	102.93%
2) S	Decachlorobiphenyl	23.44f	33.73f	11544	4400	47.441m	38.814m ✓
				Recovery	=	118.60%	97.04%
	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	17.80	22.76	3564	4204	19.585	25.541 #
5) L1	Aroclor-1016	7.56f	0.00	1243	0	39.553	N.D. #
6) L1	Aroclor-1016 {2}	9.06f	0.00	3587	0	79.114	N.D. #
7) L1	Aroclor-1016 {3}	10.13	0.00	19947	0	826.086	N.D. #
Total	Aroclor-1016			24777	0	944.754	N.D.
Average	Aroclor-1016					314.918	0.000
8) L2	Aroclor-1221	3.70	0.00	119	0	14.856	N.D. #
9) L2	Aroclor-1221 {2}	5.58	8.74	141	175	20.723	27.062 #
10) L2	Aroclor-1221 {3}	6.21	9.55	147	159	7.852	9.824 #
Total	Aroclor-1221			407	334	43.431	36.886
Average	Aroclor-1221					14.477	18.443
11) L3	Aroclor-1232	6.21	9.55	147	159	9.066	10.870
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	12.47f	0	402	N.D.	26.209 #
Total	Aroclor-1232			147	561	9.066	37.079
Average	Aroclor-1232					9.066	18.539
14) L4	Aroclor-1242	7.56f	11.37f	1220	896	33.387m	25.791m
15) L4	Aroclor-1242 {2}	9.06f	12.29f	3546	661	66.440m	43.484m#
16) L4	Aroclor-1242 {3}	9.44f	12.76f	785	2139	36.789	49.744m#
17) L4	Aroclor-1242 (4)	9.78f	13.36f	1210	607	69.001m	30.016m#
18) L4	Aroclor-1242 (5)	10.13	13.95f	19947	15778	707.887	815.842m
Total	Aroclor-1242			26708	20081	913.504	964.878
Average	Aroclor-1242					182.701	192.976
19) L5	Aroclor-1248	10.93f	0.00	11863	0	441.553	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D\CONFIRM.D
Acq On : 31 Jul 97 06:10 AM Operator: JS
Sample : D1145-04,U2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	11.25f	0.00	5195	0	232.489	N.D. #
21) L5 Aroclor-1248 {3}	12.24f	0.00	40022	0	1422.152	N.D. #
Total Aroclor-1248			57080	0	2096.193	N.D.
Average Aroclor-1248					698.731	0.000
22) L6 Aroclor-1254	14.01f	18.38f	31564	25915	883.183	736.893m
23) L6 Aroclor-1254 {2}	14.36f	18.78f	69879	56558	923.694	733.875m
24) L6 Aroclor-1254 {3}	14.86f	19.21f	35968	34332	987.099	717.628m#
25) L6 Aroclor-1254 (4)	15.22f	19.72f	44900	29095	983.887	886.867m
26) L6 Aroclor-1254 (5)	16.79f	21.30f	67592	47092	1122.222	907.875m
Total Aroclor-1254			249902	192992	4900.085	3983.137
Average Aroclor-1254					980.017	796.627
27) L7 Aroclor-1260	17.93f	0.00	23156	0	713.049	N.D. #
28) L7 Aroclor-1260 {2}	18.91f	0.00	15004	0	240.257	N.D. #
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			38159	0	953.305	N.D.
Average Aroclor-1260					476.653	0.000

AR1260
392

$$\frac{(66+69)\times\frac{5}{2}\times 25}{15\times 0.89} = 630$$

AR1254
7900

KC

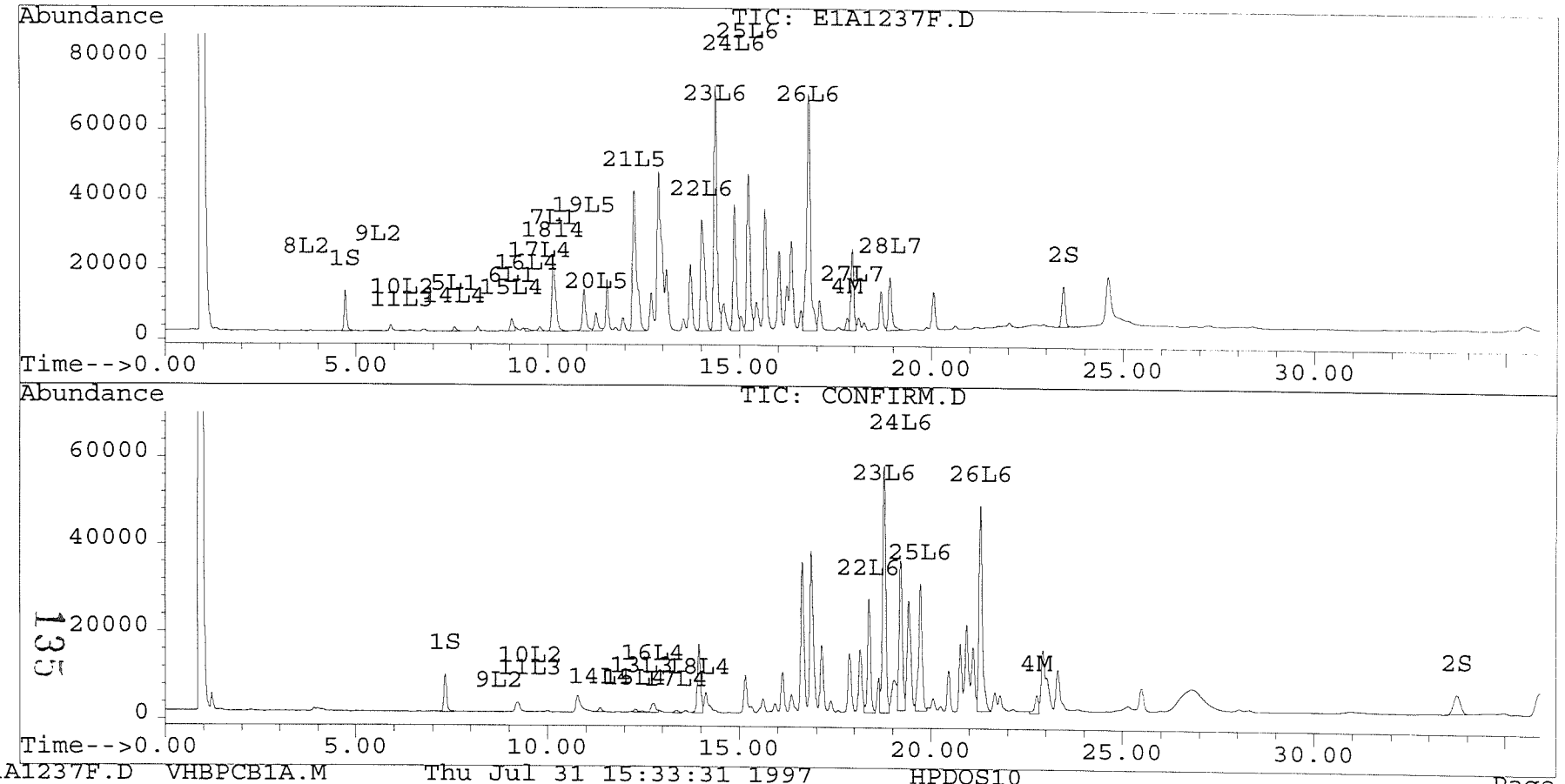
134

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1237F.D VHBPCB1A.M Thu Jul 31 15:33:24 1997 HPDOS10 Page 2

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1237F.D\CONFIRM.D
Acq On : 31 Jul 97 06:10 AM Operator: JS
Sample : D1145-04,U2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D\E1A1435R.D
Acq On : 06 Aug 97 04:30 AM Operator: JS/GML
Sample : D1145-05,U3-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 10:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

S1 57 50
S2 42 1200 91 320

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	2716	2402	11.887m	11.375m ✓
				Recovery	=	29.72%	28.44%
2) S	Decachlorobiphenyl	22.69	31.82f	2441	1127	10.032	9.937m ✓
				Recovery	=	25.08%	24.84%
	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	7.13	10.82	2132	2236	58.345m	64.349
15) L4	Aroclor-1242 {2}	8.58	11.89	6437	1224	120.608m ✓	80.546 #
16) L4	Aroclor-1242 {3}	8.96	12.18	994	5051	46.593m	117.459 #
17) L4	Aroclor-1242 (4)	9.29	12.77	1768	1256	100.822m ✓	62.119 #
18) L4	Aroclor-1242 (5)	9.67	13.36	3734	2616	132.512m ✓	135.293
Total	Aroclor-1242			15065	12383	458.879	459.765
Average	Aroclor-1242					91.776	91.953
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

136

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D\E1A1435R.D
Acq On : 06 Aug 97 04:30 AM Operator: JS/GML
Sample : D1145-05,U3-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 10:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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	13.46	17.73	1268	978	35.479	27.809m
23) L6	Aroclor-1254 {2}	13.81	18.12	2782	2334	36.771	30.285m
24) L6	Aroclor-1254 {3}	14.30	18.55	1463	1789	40.137	37.395m
25) L6	Aroclor-1254 (4)	14.65	19.06	2028	1092	44.446	33.286m#
26) L6	Aroclor-1254 (5)	16.21	20.62	2163	1537	35.914	29.631m
Total	Aroclor-1254			9704	7730	192.747	158.407
Average	Aroclor-1254					38.549	31.681
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

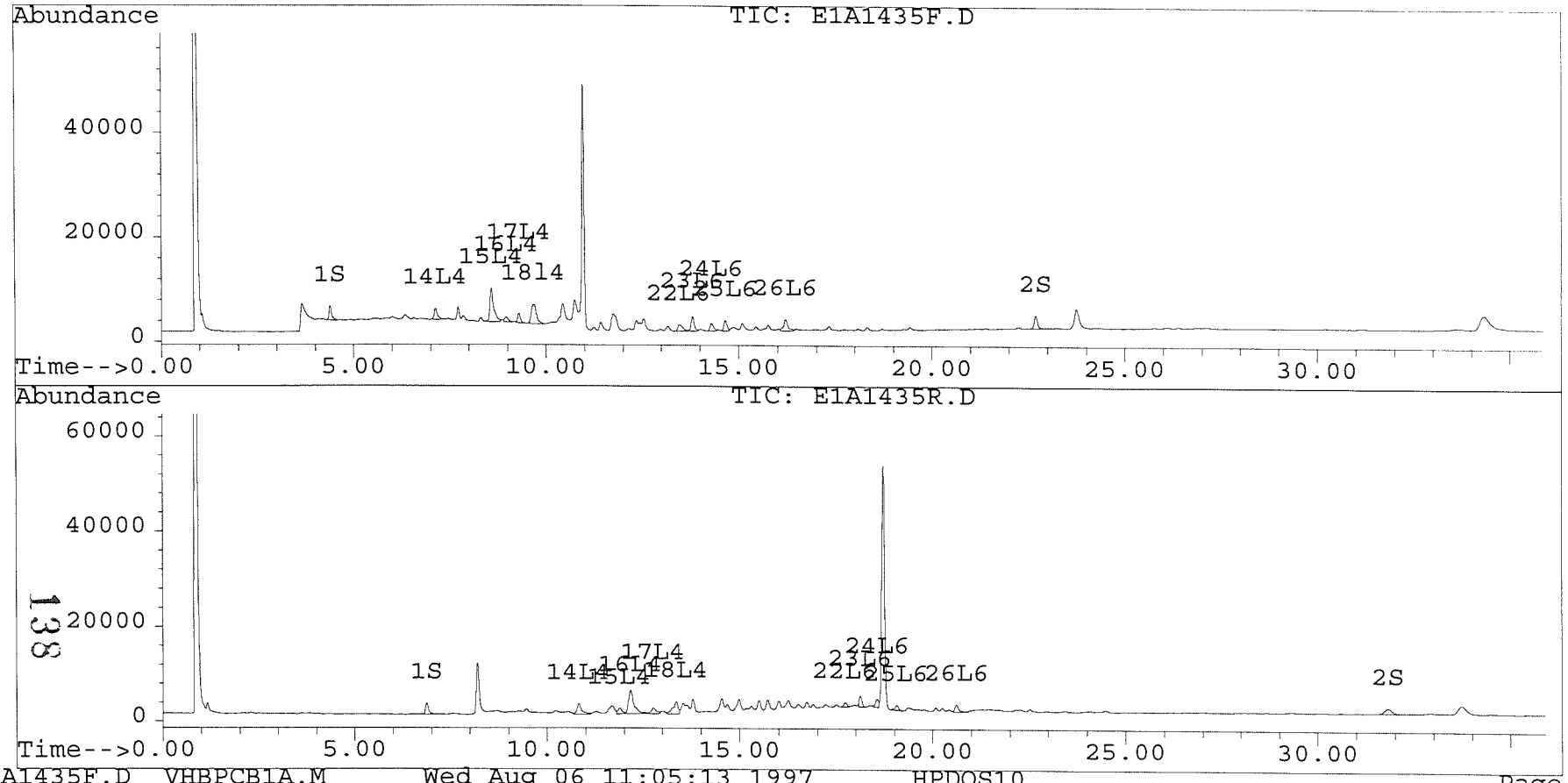
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1435F.D VHBPCB1A.M Wed Aug 06 11:05:08 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1435F.D\E1A1435R.D
Acq On : 06 Aug 97 04:30 AM Operator: JS/GML
Sample : D1145-05,U3-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 10:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D\CONFIRM.D
Acq On : 31 Jul 97 06:50 AM Operator: JS
Sample : D1145-05,U3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.71f	7.33f	11415	8156	49.963m	38.622
				Recovery	=	124.91%	96.56%
2) S	Decachlorobiphenyl	23.45f	33.74f	11756	4527	48.309m	39.933m
				Recovery	=	120.77%	99.83%
	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	0.00	22.76	0	1206	N.D.	7.327 #
5) L1	Aroclor-1016	7.56	0.00	8923	0	284.028	N.D. #
6) L1	Aroclor-1016 {2}	9.05	0.00	26824	0	591.589	N.D. #
7) L1	Aroclor-1016 {3}	10.16	0.00	14398	0	596.256	N.D. #
Total	Aroclor-1016			50144	0	1471.873	N.D.
Average	Aroclor-1016					490.624	0.000
8) L2	Aroclor-1221	3.71	6.27f	366	172	45.634	24.060 #
9) L2	Aroclor-1221 {2}	5.57f	0.00	631	0	92.855	N.D. #
10) L2	Aroclor-1221 {3}	6.22	9.56	1128	470	60.094	29.126 #
Total	Aroclor-1221			2124	642	198.583	53.186
Average	Aroclor-1221					66.194	26.593
11) L3	Aroclor-1232	6.22	9.56	1128	470	69.391	32.226 #
12) L3	Aroclor-1232 {2}	0.00	11.09f	0	998	N.D.	70.765 #
13) L3	Aroclor-1232 {3}	0.00	12.47	0	3165	N.D.	206.084 #
Total	Aroclor-1232			1128	4633	69.391	309.075
Average	Aroclor-1232					69.391	103.025
14) L4	Aroclor-1242	7.56f	11.37f	7887	6344	215.837m	182.611m
15) L4	Aroclor-1242 {2}	9.05f	12.47f	26020	3296	487.529m	216.830m#
16) L4	Aroclor-1242 {3}	9.45f	12.76f	4454	15894	208.776m	369.624m#
17) L4	Aroclor-1242 (4)	9.78f	13.36f	7550	3589	430.546m	177.476m#
18) L4	Aroclor-1242 (5)	10.16	13.89	13670	3377	485.121m	174.617m#
Total	Aroclor-1242			59581	32500	1827.809	1121.157
Average	Aroclor-1242					365.562	224.231
19) L5	Aroclor-1248	10.94f	0.00	13351	0	496.968	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D\CONFIRM.D
Acq On : 31 Jul 97 06:50 AM Operator: JS
Sample : D1145-05,U3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5 Aroclor-1248 {3}	12.27	0.00	13431	0	477.250	N.D. #
Total Aroclor-1248			26782	0	974.218	N.D.
Average Aroclor-1248					487.109	0.000
22) L6 Aroclor-1254	14.01f	18.39f	5371	3401	150.286m	96.707m#
23) L6 Aroclor-1254 {2}	14.37f	18.78f	11229	8402	148.430m	109.021m#
24) L6 Aroclor-1254 {3}	14.87f	19.22f	5748	5914	157.749m	123.618m
25) L6 Aroclor-1254 (4)	15.22f	19.73f	8041	4155	176.198	126.652m#
26) L6 Aroclor-1254 (5)	16.79f	21.31f	8776	5429	145.708m	104.664m#
Total Aroclor-1254			39165	27301	778.371	560.663
Average Aroclor-1254					155.674	112.133
27) L7 Aroclor-1260	17.93f	0.00	3272	0	100.769	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	20.05f	0.00	2285	0	51.142	N.D. #
Total Aroclor-1260			5557	0	151.911	N.D.
Average Aroclor-1260					75.955	0.000

AR1242
1400

AR1254
1100

$\frac{(4875 + 4305 + 485) \times \frac{5}{3} \times 25}{15 \times 0.82} = 4700$ KL

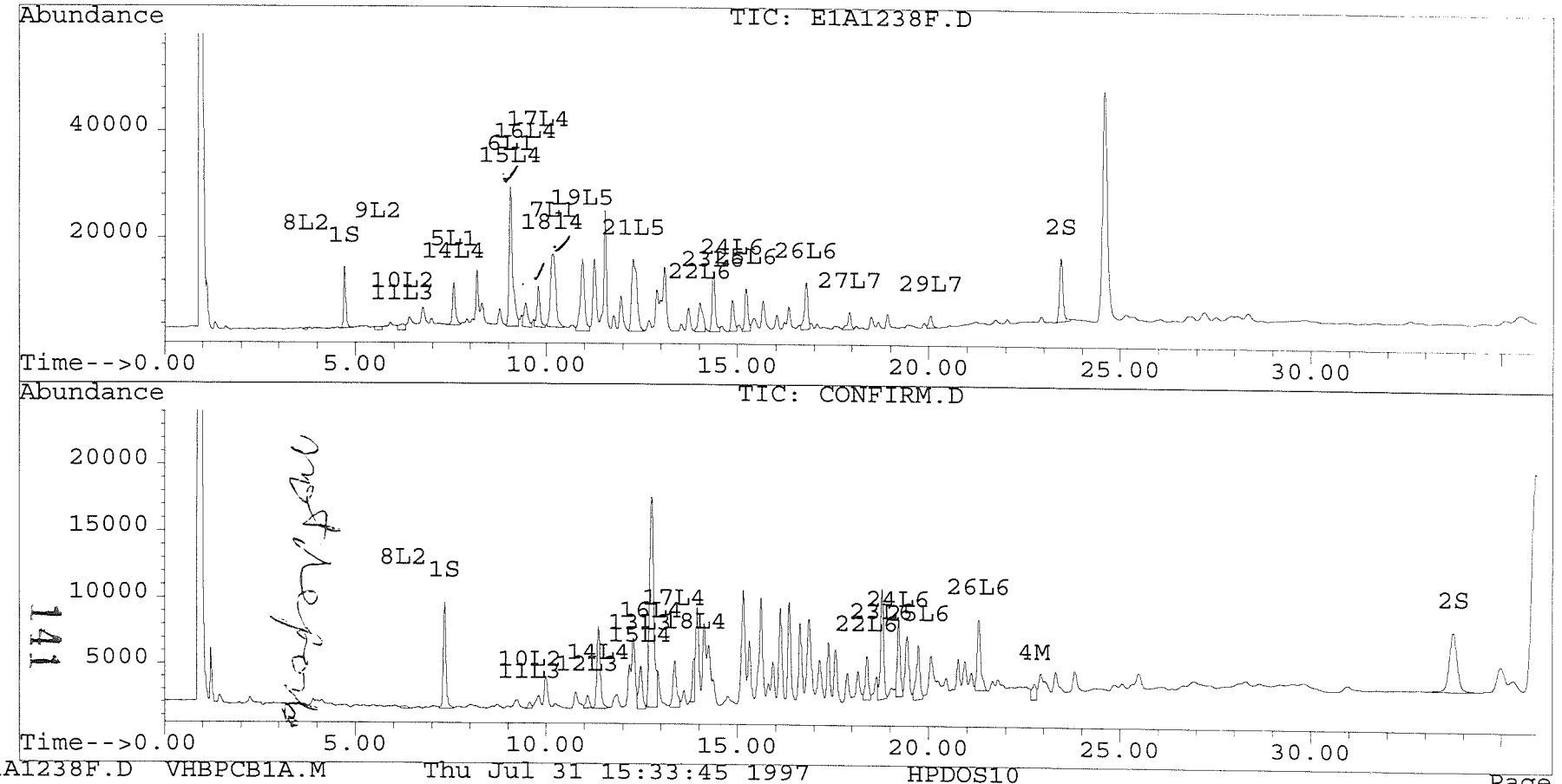
Not applicable

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1238F.D\CONFIRM.D
Acq On : 31 Jul 97 06:50 AM Operator: JS
Sample : D1145-05,U3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D\E1A1450R.D
Acq On : 06 Aug 97 02:22 PM Operator: JS/GML
Sample : D1145-06,U4-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	4224	3684	18.488	17.445
				Recovery	=	46.22%	43.61%
2) S	Decachlorobiphenyl	22.70	31.82f	3544	1588	14.563	14.009m
				Recovery	=	36.41%	35.02%
	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	7.13	10.82	218	177	5.961	5.095m
15) L4	Aroclor-1242 (2)	8.59	11.89	728	75	13.640m	4.934m#
16) L4	Aroclor-1242 (3)	8.97	12.18	108	588	5.062m	13.674m#
17) L4	Aroclor-1242 (4)	9.30	12.76	358	115	20.415m	5.687m#
18) L4	Aroclor-1242 (5)	9.67	13.36	623	383	22.109m	19.804m
	Total Aroclor-1242			2035	1338	67.188	49.194
	Average Aroclor-1242					13.438	9.839
19) L5	Aroclor-1248	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.
E1A1450F.D VHBPCB1A.M Wed Aug 06 15:04:52 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D\E1A1450R.D
Acq On : 06 Aug 97 02:22 PM Operator: JS/GML
Sample : D1145-06,U4-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

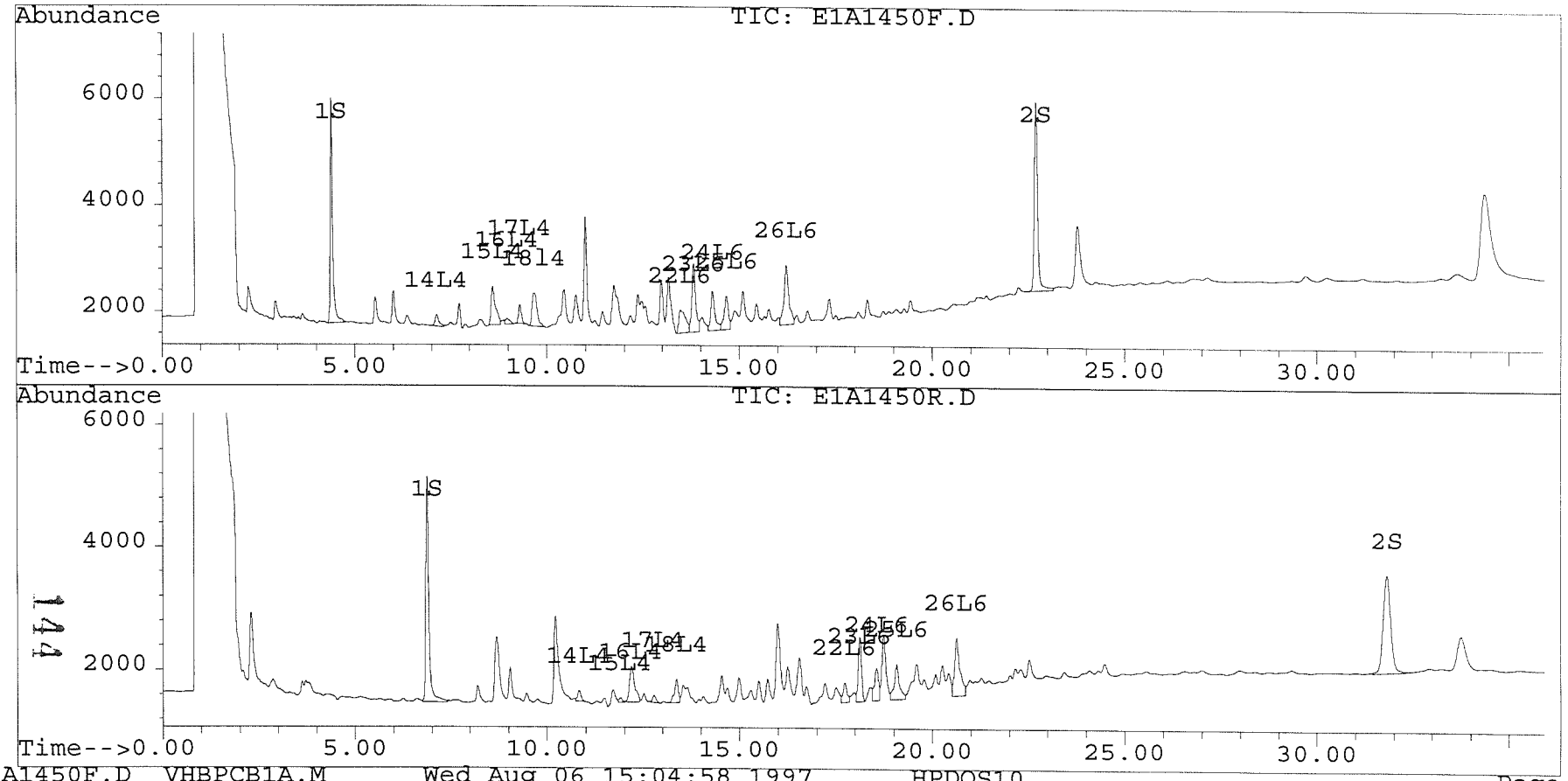
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1248			0	0	N.D.	N.D.	
Average	Aroclor-1248					0.000	0.000	
22) L6	Aroclor-1254	13.47	17.73	433	323	12.115	9.193	
23) L6	Aroclor-1254 {2}	13.81	18.12	1284	1050	16.968	13.627	
24) L6	Aroclor-1254 {3}	14.31	18.55	739	530	20.277	11.075	#
25) L6	Aroclor-1254 (4)	14.67	19.07	632	577	13.846	17.580	#
26) L6	Aroclor-1254 (5)	16.22	20.63	1118	946	18.569	18.233	
Total	Aroclor-1254			4206	3426	81.775	69.708	
Average	Aroclor-1254					16.355	13.942	
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	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1450F.D\E1A1450R.D
Acq On : 06 Aug 97 02:22 PM Operator: JS/GML
Sample : D1145-06,U4-C1,P0729-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 15:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D\CONFIRM.D
Acq On : 31 Jul 97 07:31 AM Operator: JS
Sample : D1145-06,U4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.73f	7.35f	14137	10256	61.879m	48.570m
				Recovery	=	154.70%	121.43%
2) S	Decachlorobiphenyl	23.47f	33.80f	13180	4940	54.164m	43.577m
				Recovery	=	135.41%	108.94%
	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	0.00	22.79	0	1124	N.D.	6.831 #
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}	10.18	0.00	2538	0	105.120	N.D. #
Total	Aroclor-1016			2538	0	105.120	N.D.
Average	Aroclor-1016					105.120	0.000
8) L2	Aroclor-1221	3.72f	6.26f	159	84	19.883	11.812 #
9) L2	Aroclor-1221 {2}	0.00	8.74	0	222	N.D.	34.303 #
10) L2	Aroclor-1221 {3}	6.24	9.58	658	1295	35.074	80.201 #
Total	Aroclor-1221			818	1601	54.957	126.316
Average	Aroclor-1221					27.479	42.105
11) L3	Aroclor-1232	6.24	9.58	658	1295	40.500	88.738 #
12) L3	Aroclor-1232 {2}	7.36	0.00	917	0	64.840	N.D. #
13) L3	Aroclor-1232 {3}	0.00	12.49	0	229	N.D.	14.911 #
Total	Aroclor-1232			1575	1524	105.340	103.649
Average	Aroclor-1232					52.670	51.824
14) L4	Aroclor-1242	7.58f	11.40f	673	610	18.417m	17.559m
15) L4	Aroclor-1242 {2}	9.08f	12.49f	2672	230	50.064m	15.131m#
16) L4	Aroclor-1242 {3}	9.47f	12.78f	408	1634	19.125m	38.000m#
17) L4	Aroclor-1242 (4)	9.80f	13.38f	1209	403	68.944m	19.928m#
18) L4	Aroclor-1242 (5)	10.18f	13.92f	2108	486	74.809m	25.130m#
Total	Aroclor-1242			7070	3363	231.359	115.747
Average	Aroclor-1242					46.272	23.149
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D      Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D\CONFIRM.D
Acq On    : 31 Jul 97   07:31 AM                        Operator: JS
Sample    : D1145-06,U4-C1,P0729-B1,                    Inst    : E1
Misc      : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:18 1997

Method          : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title           : VHB PCB 5  LEVEL RUN 7/29/97
Last Update     : Thu Jul 31 14:58:29 1997
Response via    : Multiple Level Calibration

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

Compound		RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.28	0.00	2766	0	98.273	N.D. #
Total	Aroclor-1248			2766	0	98.273	N.D.
Average	Aroclor-1248					98.273	0.000
22) L6	Aroclor-1254	14.04f	18.41f	1184	802	33.130m	22.805m#
23) L6	Aroclor-1254 {2}	14.39f	18.81f	3899	2697	51.539m	34.995m#
24) L6	Aroclor-1254 {3}	14.89f	19.24f	2165	1262	59.416m	26.379m#
25) L6	Aroclor-1254 (4)	15.25f	19.76f	1871	1894	40.999m	57.732m#
26) L6	Aroclor-1254 (5)	16.83f	21.14f	3855	770	64.004m	14.845m#
Total	Aroclor-1254			12974	7425	249.088	156.756
Average	Aroclor-1254					49.818	31.351
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

AR1242
~~2~~20

AR1254
260

$\frac{(50+69+75)\times\frac{5}{3}\times 25}{15\times 0.89} = 350$

NO PCBs

KL

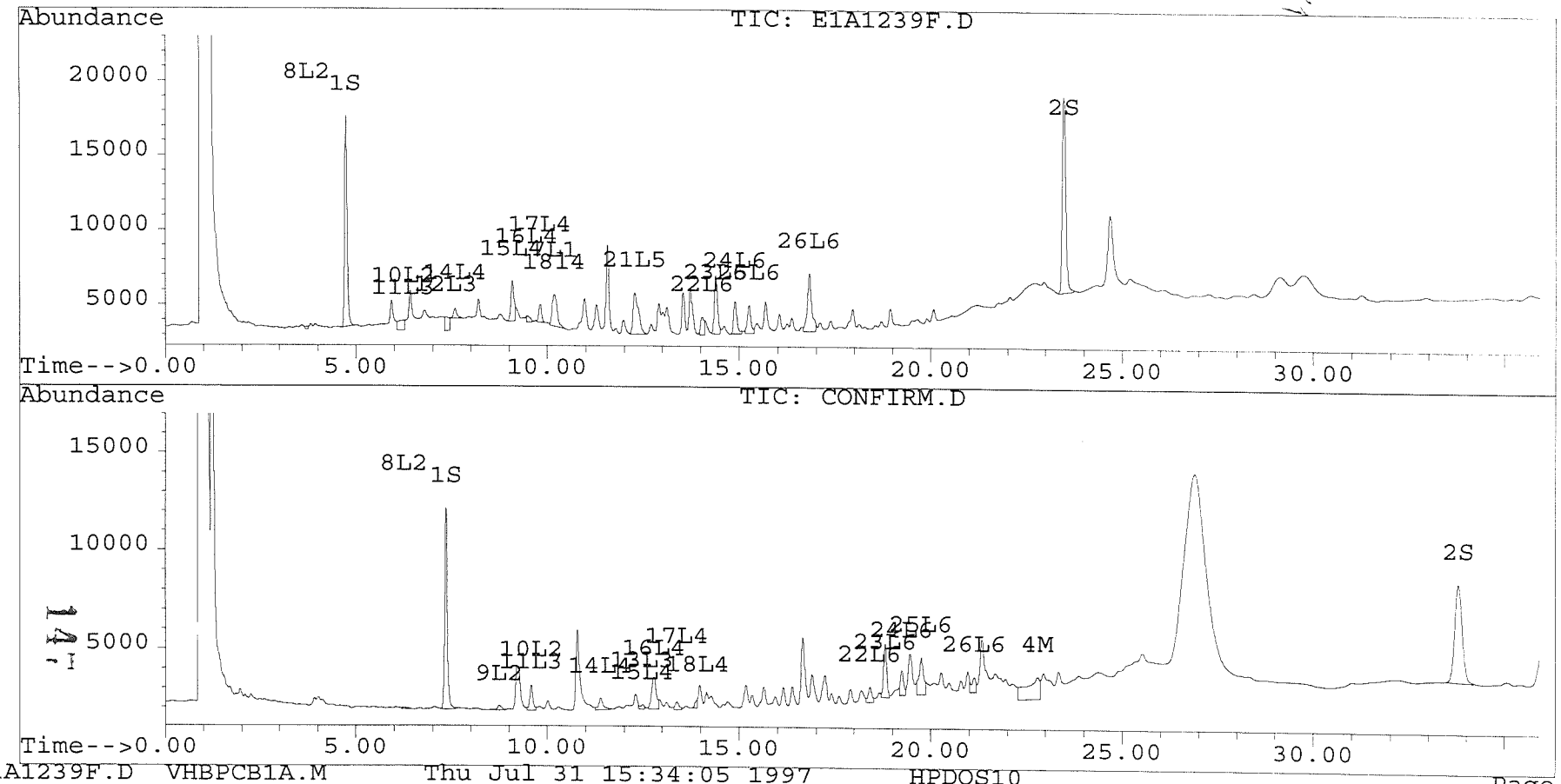
146

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1239F.D\CONFIRM.D
Acq On : 31 Jul 97 07:31 AM Operator: JS
Sample : D1145-06,U4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D\E1A1245R.D
Acq On : 31 Jul 97 12:58 PM Operator: JS
Sample : D1145-07,U6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.74f	7.36f	4366	4004	19.111m	18.960m
				Recovery	=	47.78%	47.40%
2) S	Decachlorobiphenyl	23.52f	33.93f	4356	1948	17.899m	17.183m
				Recovery	=	44.75%	42.96%
	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	0.00	22.83	0	237	N.D.	1.439 #
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	6.18f	0	102	N.D.	14.228 #
9) L2	Aroclor-1221 {2}	0.00	8.78	0	465	N.D.	71.866 #
10) L2	Aroclor-1221 {3}	0.00	9.61f	0	454	N.D.	28.138 #
Total	Aroclor-1221			0	1021	N.D.	114.232
Average	Aroclor-1221					0.000	38.077
11) L3	Aroclor-1232	0.00	9.61	0	454	N.D.	31.132 #
12) L3	Aroclor-1232 {2}	7.38	11.14	136	170	9.622	12.062 #
13) L3	Aroclor-1232 {3}	8.83	12.52	213	203	11.248	13.212
Total	Aroclor-1232			349	827	20.870	56.406
Average	Aroclor-1232					10.435	18.802
14) L4	Aroclor-1242	7.61f	11.42f	253	234	6.924m	6.736m
15) L4	Aroclor-1242 {2}	9.11f	12.33f	673	881	12.610m	57.957m#
16) L4	Aroclor-1242 {3}	9.39	12.82f	133	616	6.234m	14.325m#
17) L4	Aroclor-1242 (4)	9.84f	13.41f	249	222	14.199m	10.978m
18) L4	Aroclor-1242 (5)	10.20f	14.01f	717	599	25.445m	30.973m
Total	Aroclor-1242			2025	2552	65.412	120.969
Average	Aroclor-1242					13.082	24.194
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D\E1A1245R.D
Acq On : 31 Jul 97 12:58 PM Operator: JS
Sample : D1145-07,U6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

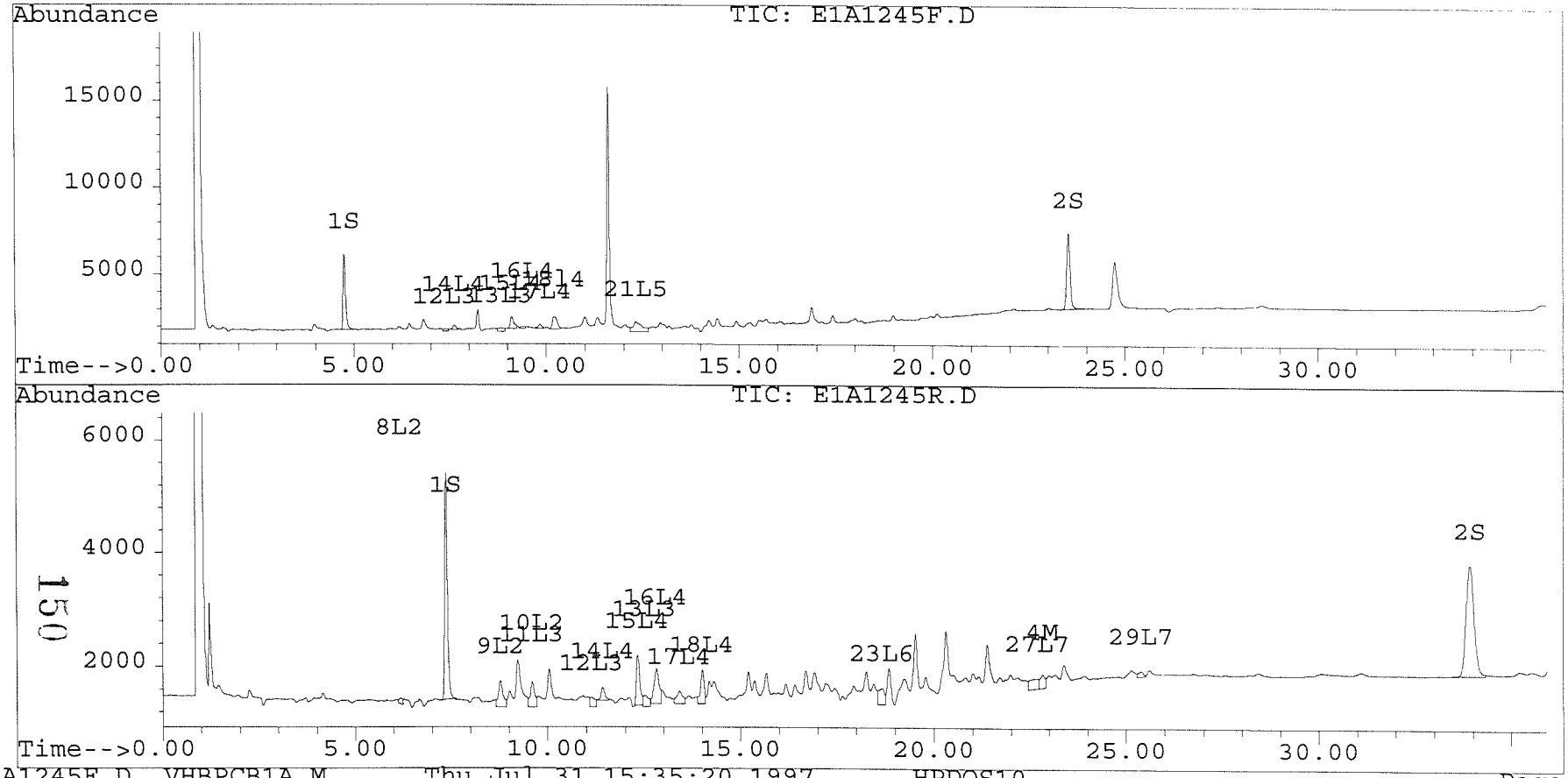
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.32	0.00	577	0	20.504	N.D. #
Total	Aroclor-1248			577	0	20.504	N.D.
Average	Aroclor-1248					20.504	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	0.00	18.67f	0	292	N.D.	3.783 #
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	292	N.D.	3.783
Average	Aroclor-1254					0.000	3.783
27) L7	Aroclor-1260	0.00	22.70	0	174	N.D.	6.946 #
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 {3}	0.00	25.39	0	97	N.D.	3.909 #
Total	Aroclor-1260			0	271	N.D.	10.856
Average	Aroclor-1260					0.000	5.428

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1245F.D\E1A1245R.D
Acq On : 31 Jul 97 12:58 PM Operator: JS
Sample : D1145-07,U6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D\E1A1246R.D
Acq On : 31 Jul 97 01:37 PM Operator: JS
Sample : D1145-08,U7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,7,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.74f	7.37f	4503	4185	19.709m	19.819m
				Recovery	=	49.27%	49.55%
2) S	Decachlorobiphenyl	23.53f	33.94f	4554	2049	18.716m	18.076m
				Recovery	=	46.79%	45.19%
	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	0.00	0.00	0	0	N.D.	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	6.24	0	26	N.D.	3.668 #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	9.61f	0	97	N.D.	6.030 #
Total	Aroclor-1221			0	124	N.D.	9.698
Average	Aroclor-1221					0.000	4.849
11) L3	Aroclor-1232	0.00	9.61	0	97	N.D.	6.672 #
12) L3	Aroclor-1232 {2}	0.00	11.13	0	107	N.D.	7.614 #
13) L3	Aroclor-1232 {3}	8.84	12.52	184	305	9.757	19.843 #
Total	Aroclor-1232			184	509	9.757	34.129
Average	Aroclor-1232					9.757	11.376
14) L4	Aroclor-1242	7.61f	11.43f	596	582	16.310m	16.753m
15) L4	Aroclor-1242 {2}	9.11f	12.52f	2211	307	41.427m	20.196m#
16) L4	Aroclor-1242 {3}	9.51f	12.82f	432	1825	20.250m	42.441m#
17) L4	Aroclor-1242 (4)	9.84f	13.42f	851	558	48.529m	27.593m#
18) L4	Aroclor-1242 (5)	10.21f	14.01f	2285	1216	81.090m	62.876m
Total	Aroclor-1242			6375	4488	207.606	169.860
Average	Aroclor-1242					41.521	33.972
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D\E1A1246R.D
Acq On : 31 Jul 97 01:37 PM Operator: JS
Sample : D1145-08,U7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,7,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.33f	0.00	2168	0	77.031	N.D. #
Total	Aroclor-1248			2168	0	77.031	N.D.
Average	Aroclor-1248					77.031	0.000
22) L6	Aroclor-1254	14.08f	18.45f	868	854	24.288m	24.283m
23) L6	Aroclor-1254 {2}	14.43f	18.85f	1944	1924	25.697m	24.965m
24) L6	Aroclor-1254 {3}	14.93f	19.28f	1010	1352	27.719m	28.260m
25) L6	Aroclor-1254 (4)	15.30f	19.79f	1316	1022	28.837m	31.152m
26) L6	Aroclor-1254 (5)	16.86f	21.37f	1700	1547	28.225m	29.824m
Total	Aroclor-1254			6838	6699	134.765	138.485
Average	Aroclor-1254					26.953	27.697
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}	19.95f	25.40	84	149	1.887	6.028 #
Total	Aroclor-1260			84	149	1.887	6.028
Average	Aroclor-1260					1.887	6.028

AR1242

~~240~~

AR1254

240

$$\frac{(41.4 + 48.5) \times \frac{5}{2} \times 25}{15 \times 0.93} = 260$$

K

152

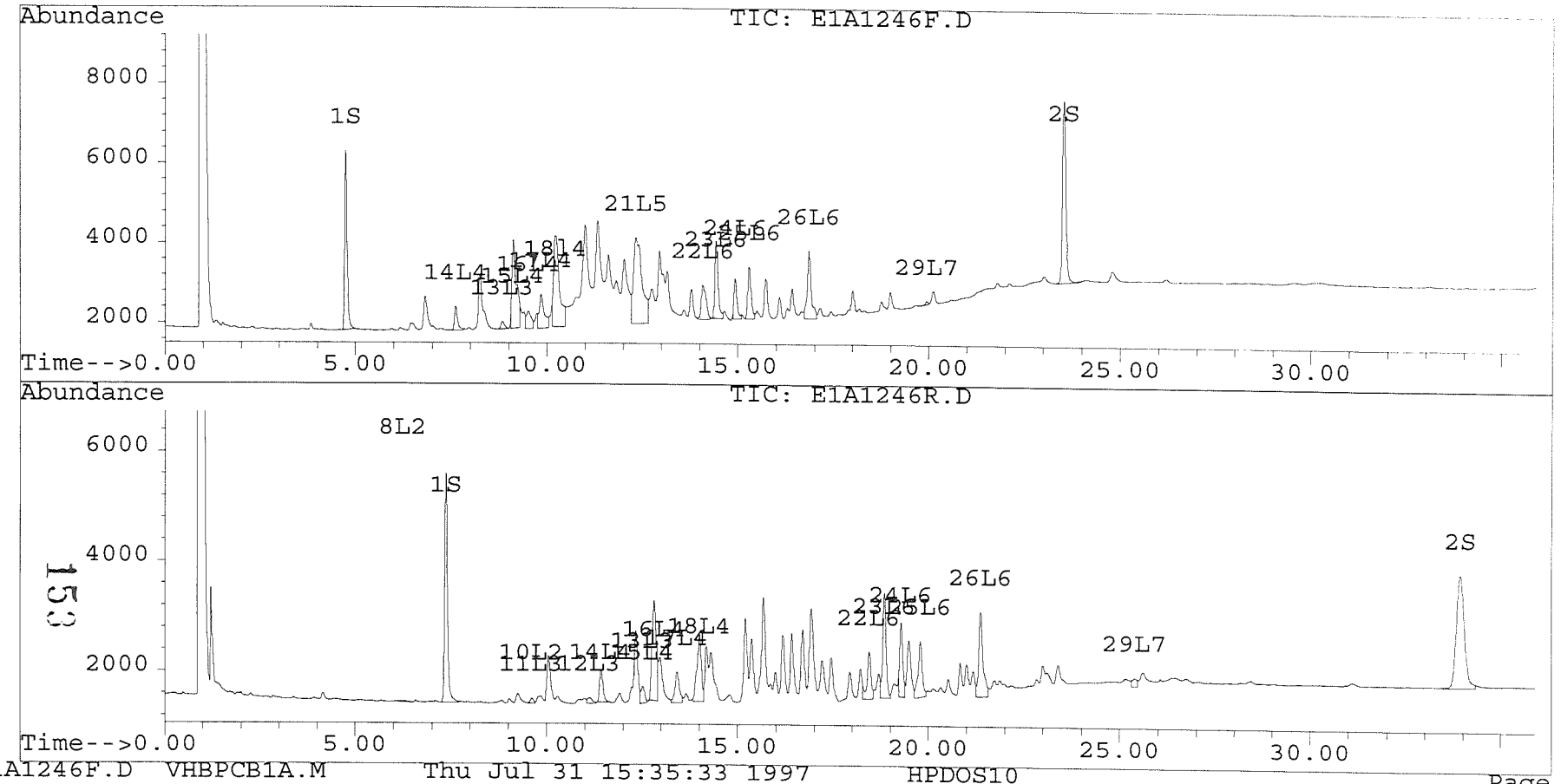
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1246F.D\E1A1246R.D
Acq On : 31 Jul 97 01:37 PM Operator: JS
Sample : D1145-08,U7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,7,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D\E1A1247R.D
Acq On : 31 Jul 97 02:17 PM Operator: JS
Sample : D1145-09,U8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:05:15 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.74f	7.38f	4022	3423	17.603m	16.210m
				Recovery	=	44.01%	40.53%
2) S	Decachlorobiphenyl	23.54f	33.97f	3389	1585	13.925m	13.982m
				Recovery	=	34.81%	34.96%
	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	0.00	0.00	0	0	N.D.	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	3.73f	0.00	1869	0	233.248	N.D. #
9) L2	Aroclor-1221 {2}	0.00	8.79	0	151	N.D.	23.271 #
10) L2	Aroclor-1221 {3}	6.22	0.00	12425	0	662.083	N.D. #
Total	Aroclor-1221			14295	151	895.331	23.271
Average	Aroclor-1221					447.665	23.271
11) L3	Aroclor-1232	6.22	9.62f	12425	399	764.515	27.331 #
12) L3	Aroclor-1232 {2}	0.00	11.14	0	125	N.D.	8.835 #
13) L3	Aroclor-1232 {3}	8.84	12.53	308	371	16.291	24.136 #
Total	Aroclor-1232			12733	894	780.806	60.302
Average	Aroclor-1232					390.403	20.101
14) L4	Aroclor-1242	7.62f	11.44f	763	727	20.880m	20.927m
15) L4	Aroclor-1242 {2}	9.11f	12.53f	3307	416	61.962m	27.367m#
16) L4	Aroclor-1242 {3}	9.51f	12.83f	576	2481	26.999m	57.697m#
17) L4	Aroclor-1242 (4)	9.84f	13.42f	1015	617	57.881m	30.511m#
18) L4	Aroclor-1242 (5)	10.22f	14.02f	2061	1329	73.141m	68.719m
Total	Aroclor-1242			7722	5570	240.864	205.220
Average	Aroclor-1242					48.173	41.044
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D\E1A1247R.D
Acq On : 31 Jul 97 02:17 PM Operator: JS
Sample : D1145-09,U8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:05:15 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5 Aroclor-1248 {3}	12.34f	0.00	2028	0	72.060	N.D. #
Total Aroclor-1248			2028	0	72.060	N.D.
Average Aroclor-1248					72.060	0.000
22) L6 Aroclor-1254	14.09f	18.46f	771	985	21.573m	28.008m#
23) L6 Aroclor-1254 {2}	14.44f	18.86f	2076	2014	27.442m	26.133m
24) L6 Aroclor-1254 {3}	14.93f	19.29f	1158	1479	31.780m	30.915m
25) L6 Aroclor-1254 (4)	15.29f	19.80f	1654	1063	36.244m	32.402m
26) L6 Aroclor-1254 (5)	16.86f	21.38f	1645	1232	27.312m	23.751m
Total Aroclor-1254			7304	6773	144.351	141.210
Average Aroclor-1254					28.870	28.242
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7 Aroclor-1260 {2}	0.00	23.18f	0	766	N.D.	13.012 #
29) L7 Aroclor-1260 {3}	19.95f	0.00	214	0	4.788	N.D. #
Total Aroclor-1260			214	766	4.788	13.012
Average Aroclor-1260					4.788	13.012

AR1242
~~240~~

AR1254
258
260

$$\frac{(62+388+73)\times\frac{5}{3}\times 25}{15\times 0.91} = 590$$

K

155

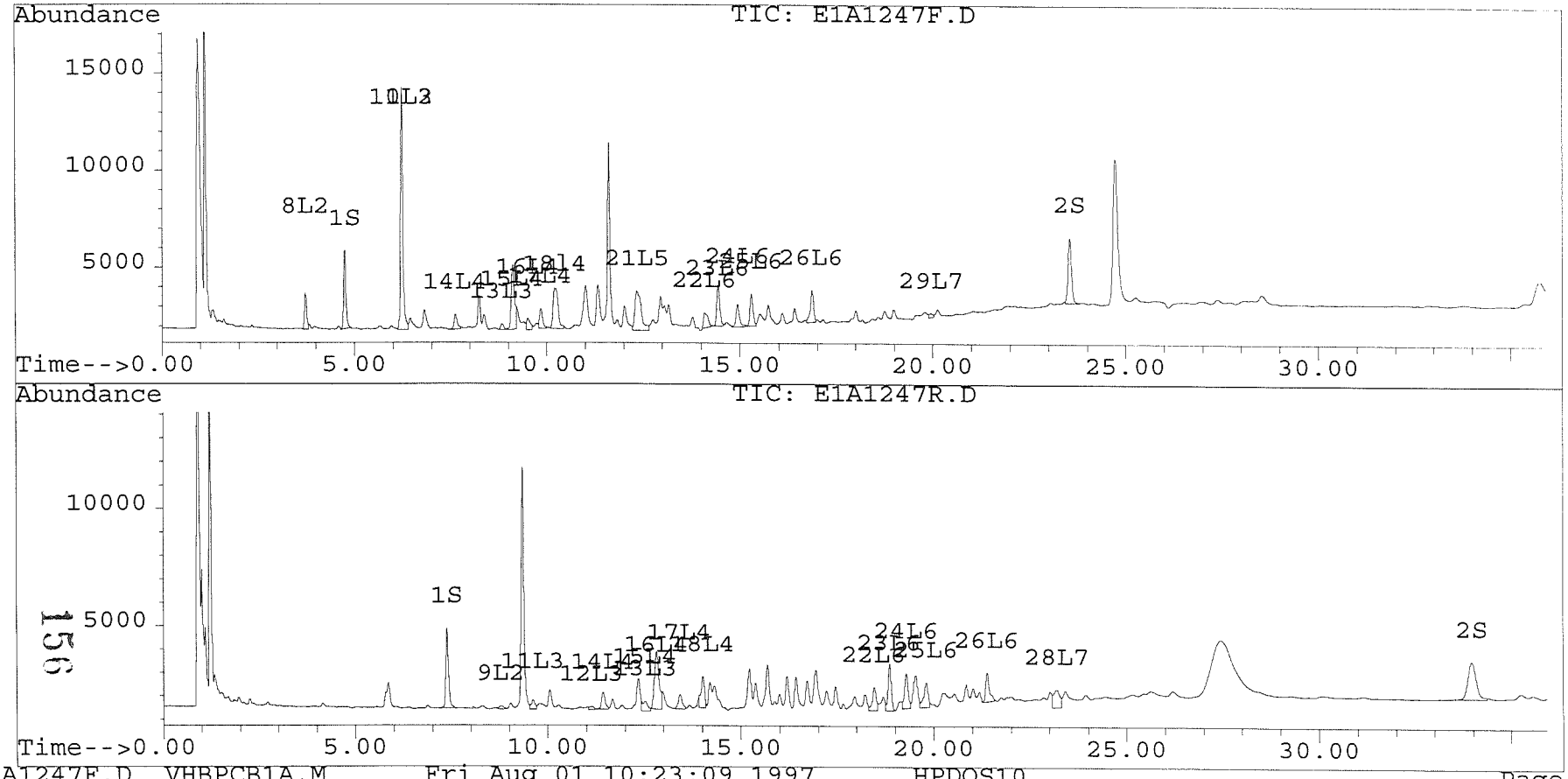
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1247F.D VHBPCB1A.M Fri Aug 01 10:23:03 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1247F.D\E1A1247R.D
Acq On : 31 Jul 97 02:17 PM Operator: JS
Sample : D1145-09,U8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,9,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:05:15 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D\E1A1248R.D
Acq On : 31 Jul 97 02:56 PM Operator: JS
Sample : D1145-10,T2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.75f	7.38f	4988	4197	21.834m	19.876m
				Recovery	=	54.58%	49.69%
2) S	Decachlorobiphenyl	23.55f	33.99f	4245	2019	17.445m	17.810m
				Recovery	=	43.61%	44.53%
	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	0.00	0.00	0	0	N.D.	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}	5.61	8.79	178	773	26.206	119.405 #
10) L2	Aroclor-1221 {3}	6.24	0.00	144	0	7.674	N.D. #
Total	Aroclor-1221			322	773	33.880	119.405
Average	Aroclor-1221					16.940	119.405
11) L3	Aroclor-1232	6.24	0.00	144	0	8.862	N.D. #
12) L3	Aroclor-1232 {2}	7.37	11.10	85	81	6.002	5.739
13) L3	Aroclor-1232 {3}	8.85	12.54f	361	171	19.102	11.136 #
Total	Aroclor-1232			590	252	33.965	16.875
Average	Aroclor-1232					11.322	8.437
14) L4	Aroclor-1242	0.00	11.44f	0	292	N.D.	8.405m#
15) L4	Aroclor-1242 {2}	0.00	12.37	0	262	N.D.	17.262 #
16) L4	Aroclor-1242 {3}	0.00	12.83f	0	496	N.D.	11.535m#
17) L4	Aroclor-1242 (4)	0.00	13.43f	0	205	N.D.	10.137m#
18) L4	Aroclor-1242 (5)	0.00	14.03f	0	487	N.D.	25.182m#
Total	Aroclor-1242			0	1742	N.D.	72.521
Average	Aroclor-1242					0.000	14.504
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D\E1A1248R.D
Acq On : 31 Jul 97 02:56 PM Operator: JS
Sample : D1145-10,T2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

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

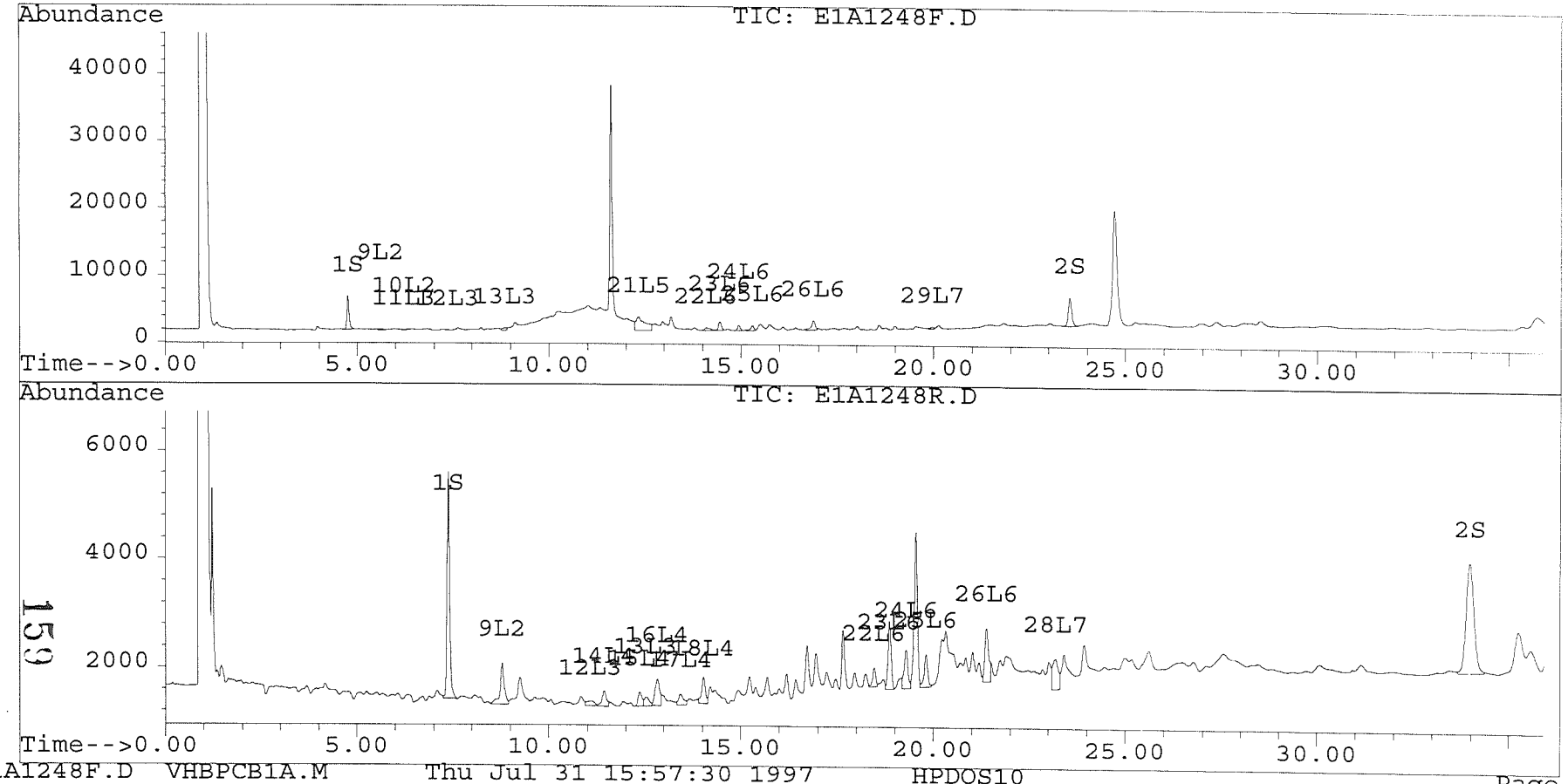
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5 Aroclor-1248 {3}	12.32	0.00	1999	0	71.040	N.D. #
Total Aroclor-1248			1999	0	71.040	N.D.
Average Aroclor-1248					71.040	0.000
22) L6 Aroclor-1254	14.09f	18.46f	436	350	12.200m	9.952m
23) L6 Aroclor-1254 {2}	14.44f	18.86f	1322	1249	17.475m	16.207m
24) L6 Aroclor-1254 {3}	14.94f	19.29f	778	706	21.352m	14.757m#
25) L6 Aroclor-1254 (4)	15.30f	19.81f	746	610	16.347m	18.594m
26) L6 Aroclor-1254 (5)	16.88f	21.39f	1388	988	23.045m	19.047m
Total Aroclor-1254			4670	3903	90.418	78.557
Average Aroclor-1254					18.084	15.711
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7 Aroclor-1260 {2}	0.00	23.18f	0	563	N.D.	9.553 #
29) L7 Aroclor-1260 {3}	19.96f	0.00	303	0	6.775	N.D. #
Total Aroclor-1260			303	563	6.775	9.553
Average Aroclor-1260					6.775	9.553

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1248F.D\E1A1248R.D
Acq On : 31 Jul 97 02:56 PM Operator: JS
Sample : D1145-10,T2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,13,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Jul 31 15:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Thu Jul 31 14:58:29 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D\E1A1249R.D
Acq On : 31 Jul 97 04:15 PM Operator: JS
Sample : D1145-11,T5-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 11:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.75f	7.35f	5165	4141	22.609m	19.609m
				Recovery	=	56.52%	49.02%
2) S	Decachlorobiphenyl	23.56f	33.99f	4217	1921	17.331m	16.944m
				Recovery	=	43.33%	42.36%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.13	0.00	2717	0	30.458	N.D. #
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.77	0.00	1582	0	50.364	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			1582	0	50.364	N.D.
Average	Aroclor-1016					50.364	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.63	8.77	320	300	47.115	46.406
10) L2	Aroclor-1221 {3}	6.19f	9.60f	627	938	33.389	58.116 #
Total	Aroclor-1221			947	1239	80.504	104.522
Average	Aroclor-1221					40.252	52.261
11) L3	Aroclor-1232	6.19f	9.60	627	938	38.555	64.302 #
12) L3	Aroclor-1232 {2}	7.40	0.00	1197	0	84.646	N.D. #
13) L3	Aroclor-1232 {3}	8.86	12.52	2344	204	124.078	13.254 #
Total	Aroclor-1232			4168	1142	247.280	77.556
Average	Aroclor-1232					82.427	38.778
14) L4	Aroclor-1242	7.77	0.00	1582	0	43.299	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	14.20	0	222	N.D.	11.489 #
Total	Aroclor-1242			1582	222	43.299	11.489
Average	Aroclor-1242					43.299	11.489
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D\E1A1249R.D
Acq On : 31 Jul 97 04:15 PM Operator: JS
Sample : D1145-11,T5-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 11:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

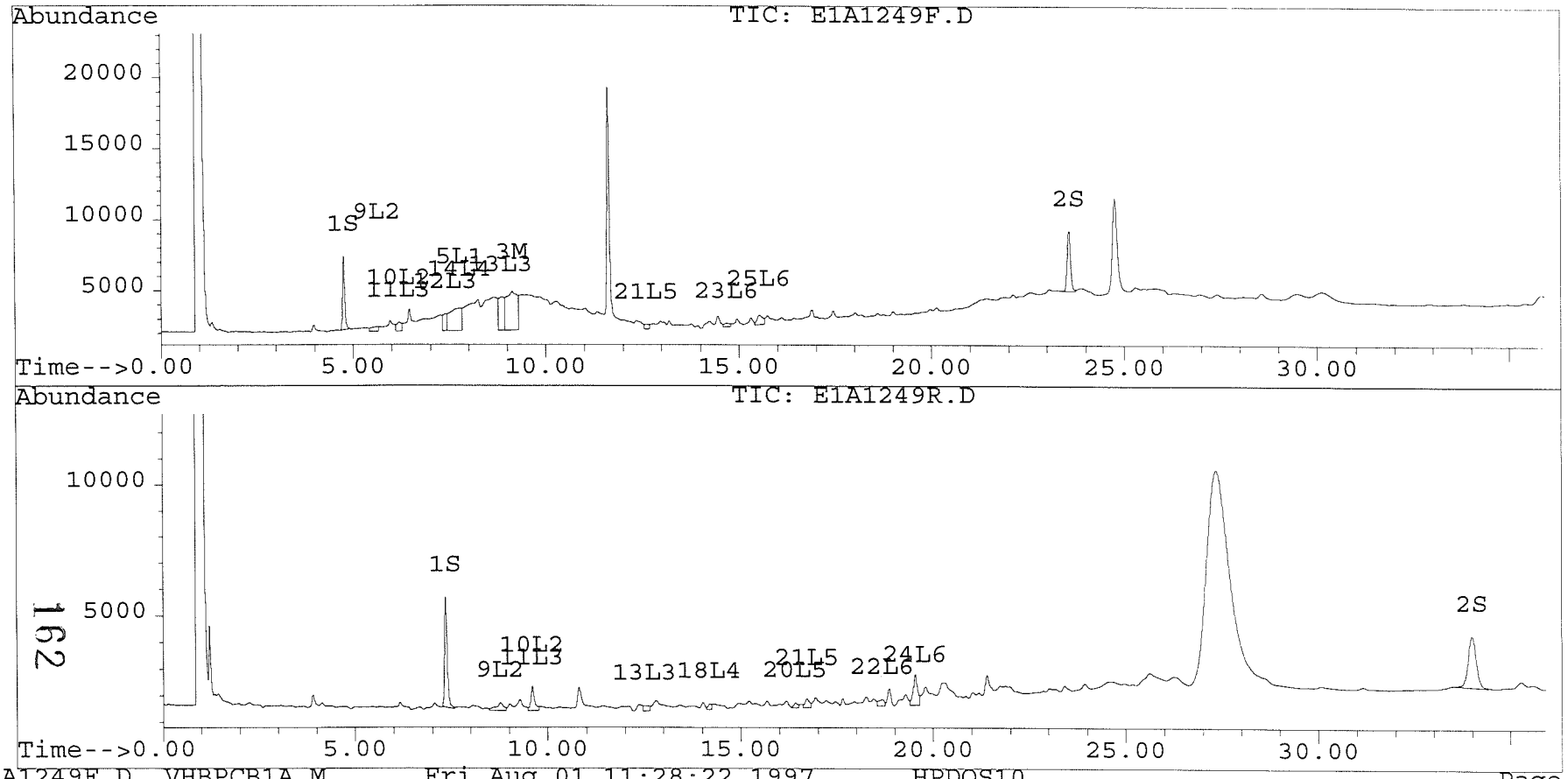
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	16.42	0	185	N.D.	7.735 #
21) L5 Aroclor-1248 {3}	12.61	16.71f	333	328	11.843	13.165
Total Aroclor-1248			333	512	11.843	20.901
Average Aroclor-1248					11.843	10.450
22) L6 Aroclor-1254	0.00	18.68f	0	244	N.D.	6.928 #
23) L6 Aroclor-1254 {2}	14.68	0.00	249	0	3.291	N.D. #
24) L6 Aroclor-1254 {3}	0.00	19.54	0	1164	N.D.	24.332 #
25) L6 Aroclor-1254 (4)	15.53	0.00	662	0	14.502	N.D. #
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			911	1408	17.792	31.260
Average Aroclor-1254					8.896	15.630
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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1249F.D\E1A1249R.D
Acq On : 31 Jul 97 04:15 PM Operator: JS
Sample : D1145-11,T5-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 11:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D\E1A1250R.D
Acq On : 31 Jul 97 04:55 PM Operator: JS
Sample : D1145-12,T6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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						99
1) S	Tetrachloro-m-xylen	4.75	7.39	5124	4194	22.428	19.863 ✓
				Recovery	=	56.07%	49.66%
2) S	Decachlorobiphenyl	23.56	34.03f	4487	1992	18.438m	17.573m ✓
				Recovery	=	46.10%	43.93%
	Target Compounds						88
3) M	2,4,4'-Trichlorobip	9.13	0.00	3512	0	39.372	N.D. #
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.63	11.45	817	796	26.004	26.935
6) L1	Aroclor-1016 {2}	9.13	12.84f	3512	2659	77.464	71.901
7) L1	Aroclor-1016 {3}	10.23	13.44	2783	816	115.248	47.063 #
Total	Aroclor-1016			7112	4272	218.716	145.899
Average	Aroclor-1016					72.905	48.633
8) L2	Aroclor-1221	0.00	6.20	0	401	N.D.	56.262 #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	6.19f	0.00	1272	0	67.789	N.D. #
Total	Aroclor-1221			1272	401	67.789	56.262
Average	Aroclor-1221					67.789	56.262
11) L3	Aroclor-1232	0.00	9.63f	0	1627	N.D.	111.514 #
12) L3	Aroclor-1232 {2}	0.00	11.14	0	199	N.D.	14.103 #
13) L3	Aroclor-1232 {3}	8.85	12.54	291	349	15.379	22.726 #
Total	Aroclor-1232			291	2175	15.379	148.343
Average	Aroclor-1232					15.379	49.448
14) L4	Aroclor-1242	7.63	11.45f	817	801	22.356	23.057m
15) L4	Aroclor-1242 {2}	9.13	12.36f	3512	1918	65.810 ✓	126.177m#
16) L4	Aroclor-1242 {3}	9.52	12.84f	603	2631	28.264 ✓	61.185m#
17) L4	Aroclor-1242 (4)	9.86	13.44f	1107	791	63.116	39.115m#
18) L4	Aroclor-1242 (5)	10.23	14.03f	2783	1623	98.758	83.921m
Total	Aroclor-1242			8822	7764	278.303	333.456
Average	Aroclor-1242					55.661	66.691
19) L5	Aroclor-1248	11.02	15.70f	3215	2158	119.656	143.268

163

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D\E1A1250R.D
Acq On : 31 Jul 97 04:55 PM Operator: JS
Sample : D1145-12,T6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	11.34f	16.20f	3620	1519	162.022	63.674 #
21) L5 Aroclor-1248 {3}	12.35	16.44f	3827	1450	135.997	58.245 #
Total Aroclor-1248			10662	5127	417.675	265.187
Average Aroclor-1248					139.225	88.396
22) L6 Aroclor-1254	14.11f	18.47f	1086	1076	30.392	30.599
23) L6 Aroclor-1254 {2}	14.45	18.87f	2589	2329	34.219	30.225
24) L6 Aroclor-1254 {3}	14.95f	19.31f	1452	1768	39.857	36.950
25) L6 Aroclor-1254 (4)	15.31	19.82f	1834	1468	40.193	44.757
26) L6 Aroclor-1254 (5)	16.88f	21.40f	2259	2203	37.505	42.463
Total Aroclor-1254			9220	8844	182.165	184.993
Average Aroclor-1254					36.433	36.999
27) L7 Aroclor-1260	18.02	22.87f	886	650	27.274	25.960
28) L7 Aroclor-1260 {2}	19.01	23.42f	934	1100	14.962	18.673
29) L7 Aroclor-1260 {3}	20.15	25.63f	736	1296	16.479	52.404 #
Total Aroclor-1260			2556	3046	58.716	97.037
Average Aroclor-1260					19.572	32.346

AR1242
620

AR1254
880
350

161

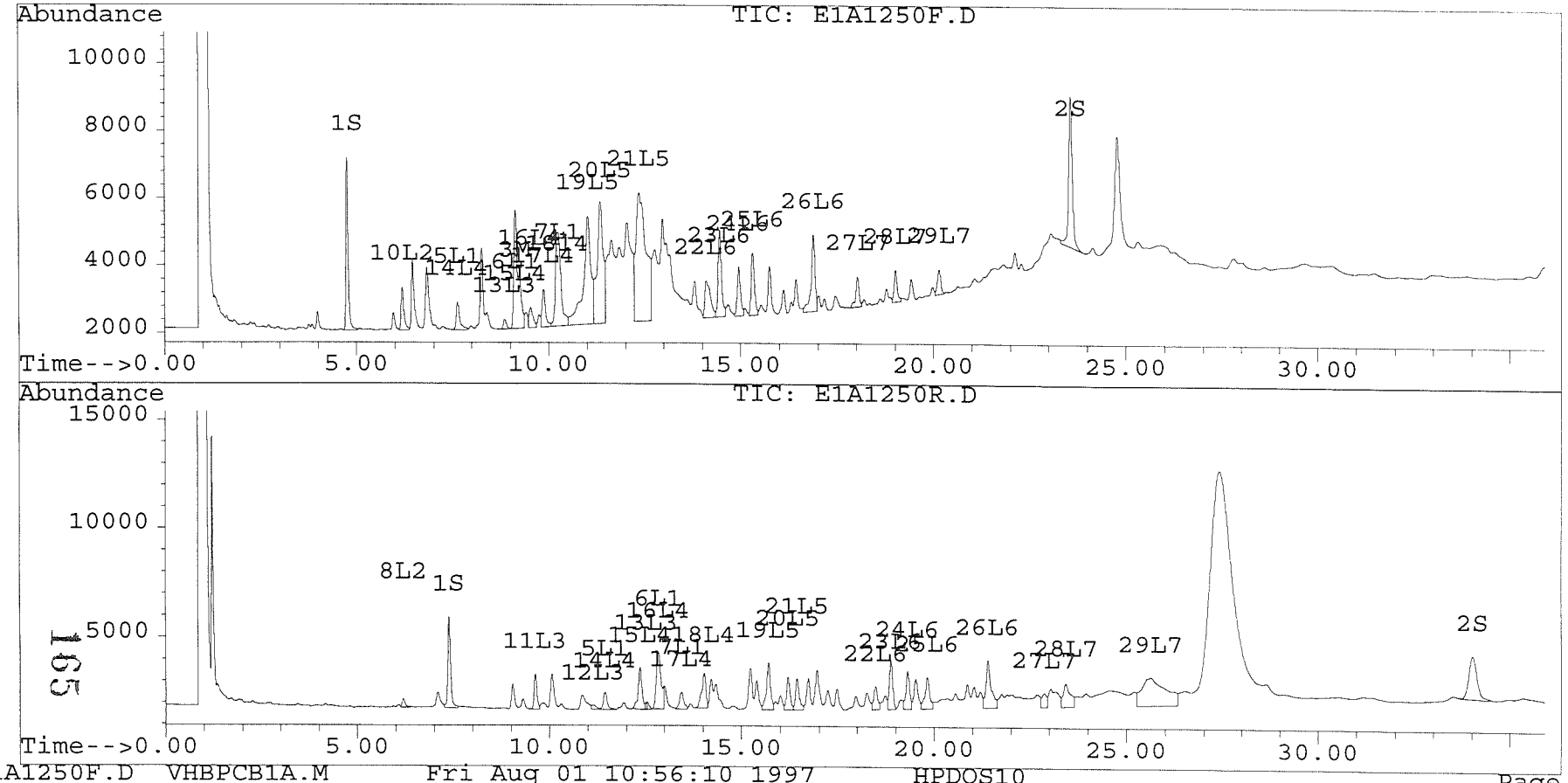
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

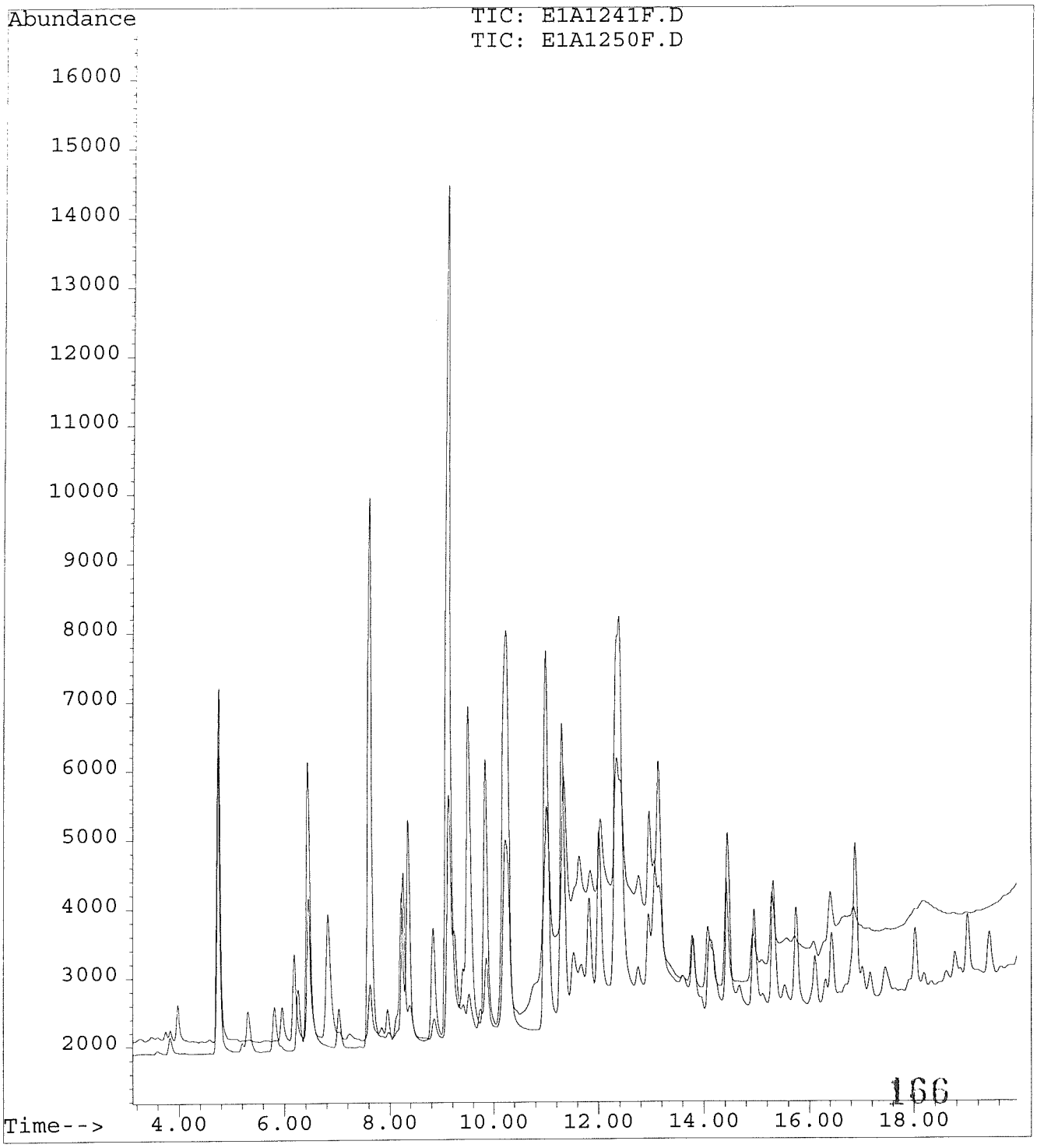
Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D\E1A1250R.D
Acq On : 31 Jul 97 04:55 PM Operator: JS
Sample : D1145-12,T6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

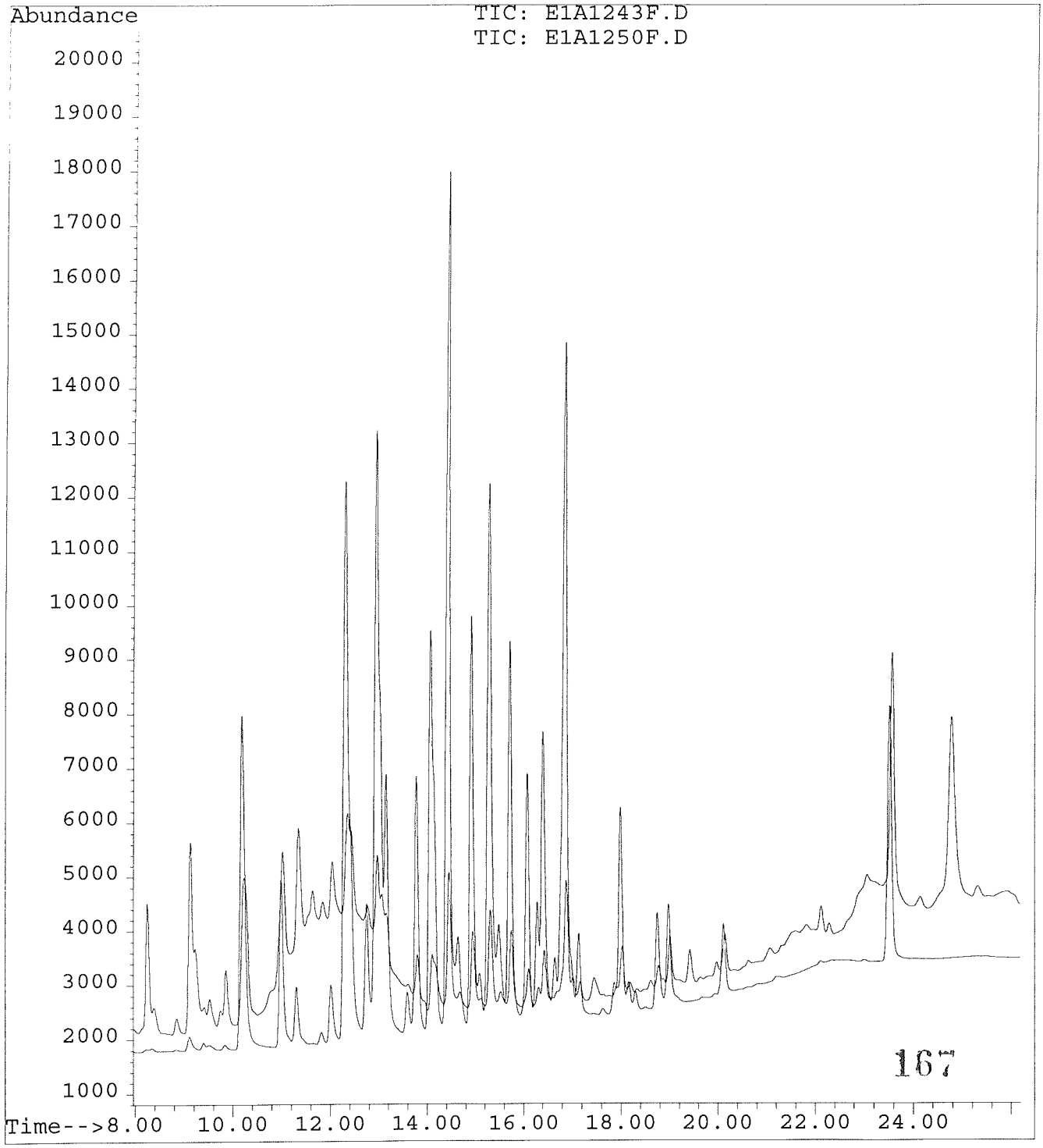
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



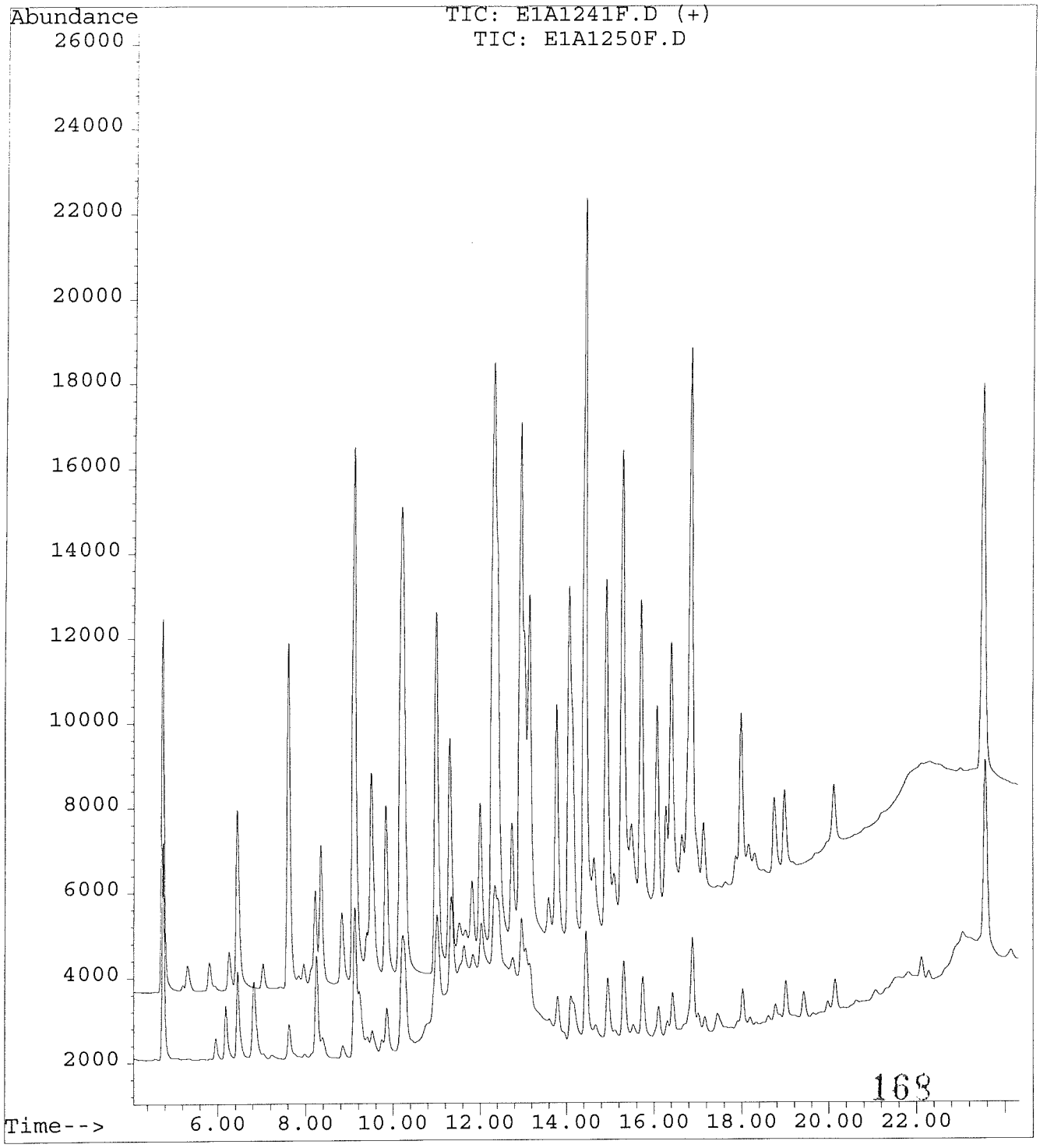
File : C:\HPCHEM\5\DATA\JULY97\970729\E1A1241F.D
Operator : JS
Acquired : 31 Jul 97 10:19 AM using AcqMethod VHBPCB1A.MTH
Instrument : E1
Sample Name: ar1242c2,ar1242c2,,ar1242.sub
Misc Info : 2,,,3
Vial Number: 58



File : C:\HPCHEM\5\DATA\JULY97\970729\E1A1243F.D
Operator : JS
Acquired : 31 Jul 97 11:38 AM using AcqMethod VHBPCB1A.MTH
Instrument : E1
Sample Name: ar1254c2,ar1254c2,,ar1254.sub
Misc Info : 2,,,3
Vial Number: 60



File : C:\HPCHEM\5\DATA\JULY97\970729\E1A1250F.D
Operator : JS
Acquired : 31 Jul 97 04:55 PM using AcqMethod VHBPCB1A.MTH
Instrument : E1
Sample Name: D1145-12,T6-C1,P0729-B1,
Misc Info : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97
Vial Number: 67



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D\E1A1251R.D
Acq On : 31 Jul 97 05:35 PM Operator: JS
Sample : D1145-13,T8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,10,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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						100
1)	S	Tetrachloro-m-xylen	4.76	7.39	5189	4227	22.714	20.016 ✓
					Recovery	=	56.79%	50.04%
2)	S	Decachlorobiphenyl	23.57	34.04f	4930	2011	20.261	17.738m ✓
					Recovery	=	50.65%	44.35%
								89
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	9.13	0.00	10924	0	122.455	N.D. #
4)	M	2,2',3,3',4,4'-Hexa	0.00	23.14	0	1047	N.D.	6.359 #
5)	L1	Aroclor-1016	7.63	11.45	2099	2061	66.810	69.693
6)	L1	Aroclor-1016 {2}	9.13	12.84f	10924	8217	240.932	222.160
7)	L1	Aroclor-1016 {3}	10.24	13.44	6222	1885	257.664	108.666 #
	Total	Aroclor-1016			19245	12162	565.406	400.519
Average		Aroclor-1016					188.469	133.506
8)	L2	Aroclor-1221	0.00	6.20	0	234	N.D.	32.762 #
9)	L2	Aroclor-1221 {2}	5.63	8.79	61	359	8.999	55.431 #
10)	L2	Aroclor-1221 {3}	6.19f	0.00	796	0	42.434	N.D. #
	Total	Aroclor-1221			858	592	51.433	88.193
Average		Aroclor-1221					25.716	44.097
11)	L3	Aroclor-1232	6.19f	0.00	796	0	48.999	N.D. #
12)	L3	Aroclor-1232 {2}	0.00	11.16	0	236	N.D.	16.714 #
13)	L3	Aroclor-1232 {3}	8.85	12.54f	823	893	43.558	58.175 #
	Total	Aroclor-1232			1619	1129	92.558	74.888
Average		Aroclor-1232					46.279	37.444
14)	L4	Aroclor-1242	7.63	11.45f	2099	2072	57.437	59.642m
15)	L4	Aroclor-1242 {2}	9.13	12.36f	10924	2652	204.686	174.464m
16)	L4	Aroclor-1242 {3}	9.52	12.84f	1673	8202	78.429	190.742m#
17)	L4	Aroclor-1242 (4)	9.86	13.44f	3462	1871	197.425	92.521m#
18)	L4	Aroclor-1242 (5)	10.24	14.03f	6222	4171	220.796	215.672m
	Total	Aroclor-1242			24380	18968	758.774	733.041
Average		Aroclor-1242					151.755	146.608
19)	L5	Aroclor-1248	11.02	15.70f	6216	5144	231.390	341.439 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D\E1A1251R.D
Acq On : 31 Jul 97 05:35 PM Operator: JS
Sample : D1145-13,T8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,10,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	11.34f	16.21f	6354	4335	284.380	181.741 #
21) L5 Aroclor-1248 {3}	12.36	16.44f	6710	4503	238.448	180.861
Total Aroclor-1248			19281	13982	754.218	704.042
Average Aroclor-1248					251.406	234.681
22) L6 Aroclor-1254	14.11f	18.48f	2793	2650	78.164	75.355
23) L6 Aroclor-1254 {2}	14.45f	18.87f	6580	5668	86.983	73.543
24) L6 Aroclor-1254 {3}	14.95f	19.31f	3359	4236	92.174	88.543
25) L6 Aroclor-1254 (4)	15.31	19.82f	4681	2960	102.566	90.218
26) L6 Aroclor-1254 (5)	16.88f	21.40f	5192	4476	86.195	86.296
Total Aroclor-1254			22605	19990	446.082	413.956
Average Aroclor-1254					89.216	82.791
27) L7 Aroclor-1260	18.03	22.87f	1895	828	58.363	33.064 #
28) L7 Aroclor-1260 {2}	19.01f	23.43f	1690	1524	27.057	25.886
29) L7 Aroclor-1260 {3}	20.15f	0.00	1234	0	27.608	N.D. #
Total Aroclor-1260			4818	2353	113.027	58.951
Average Aroclor-1260					37.676	29.475

AR1242 AR1254

~~1800~~ 770

$\frac{(204.7 + 1974 + 220.8) \times \frac{5}{3} \times 25}{15 \times 0.9} = 1900$

K

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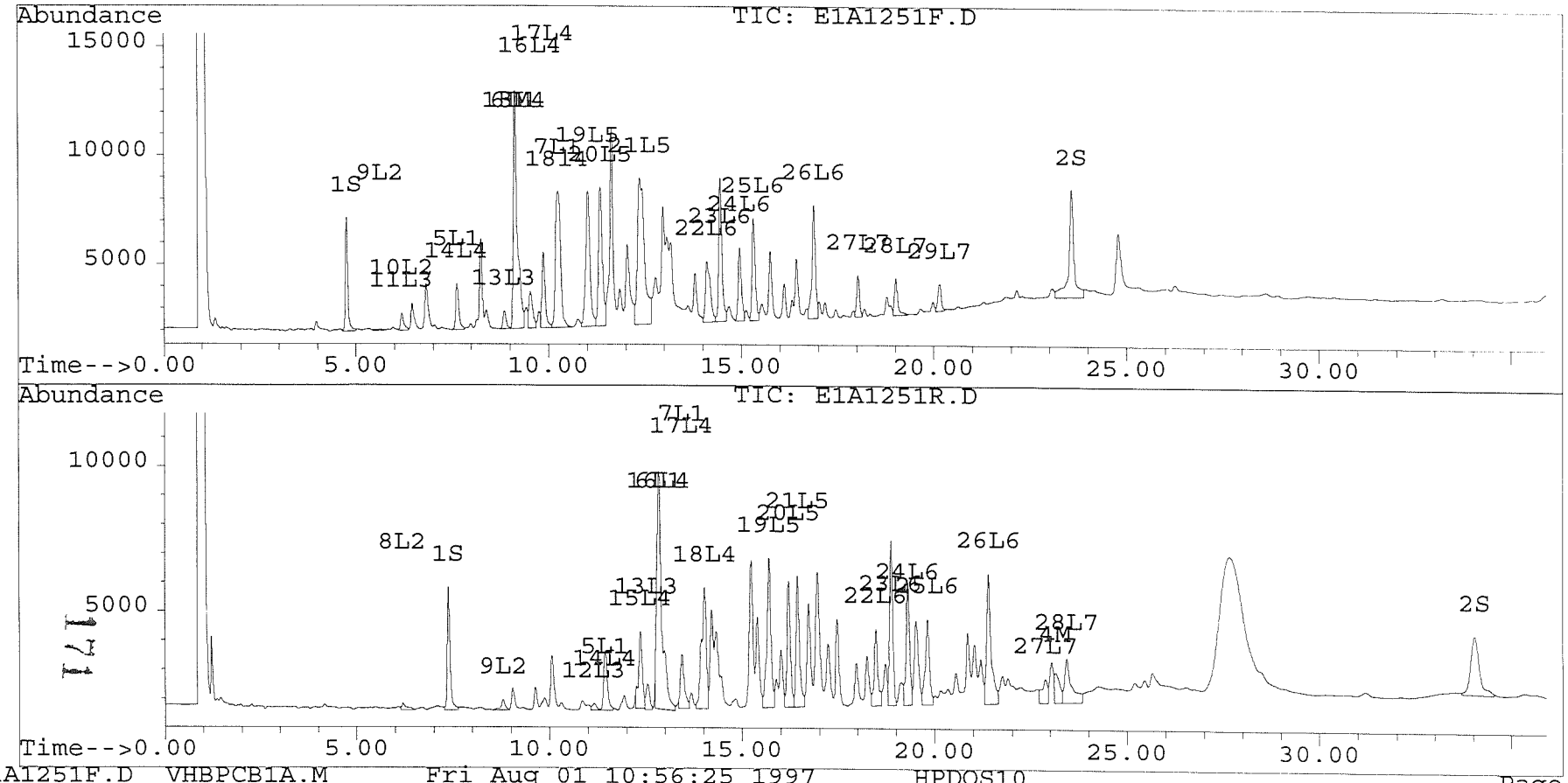
Quantitation Report

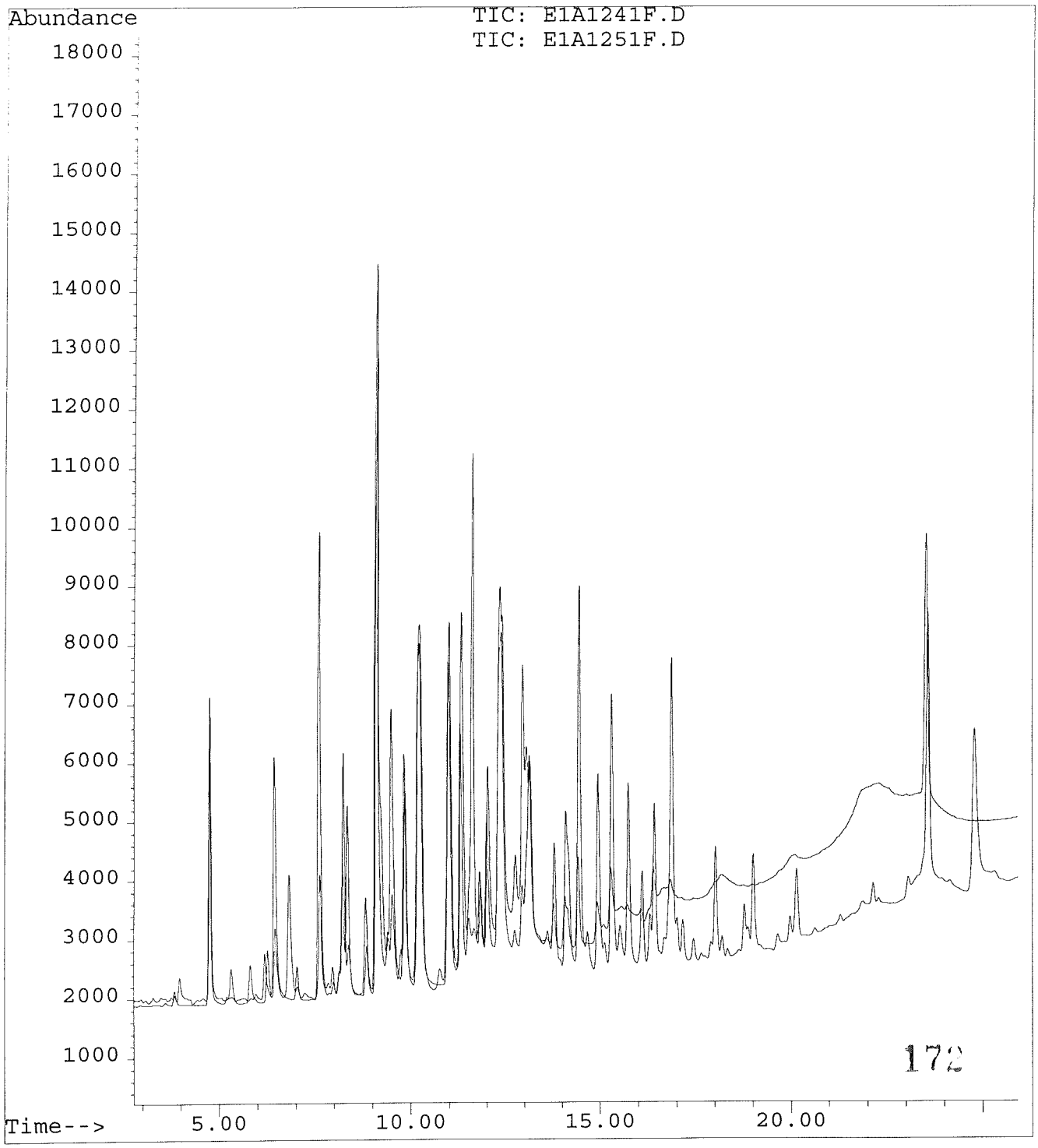
Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1251F.D\E1A1251R.D
Acq On : 31 Jul 97 05:35 PM Operator: JS
Sample : D1145-13,T8-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,10,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

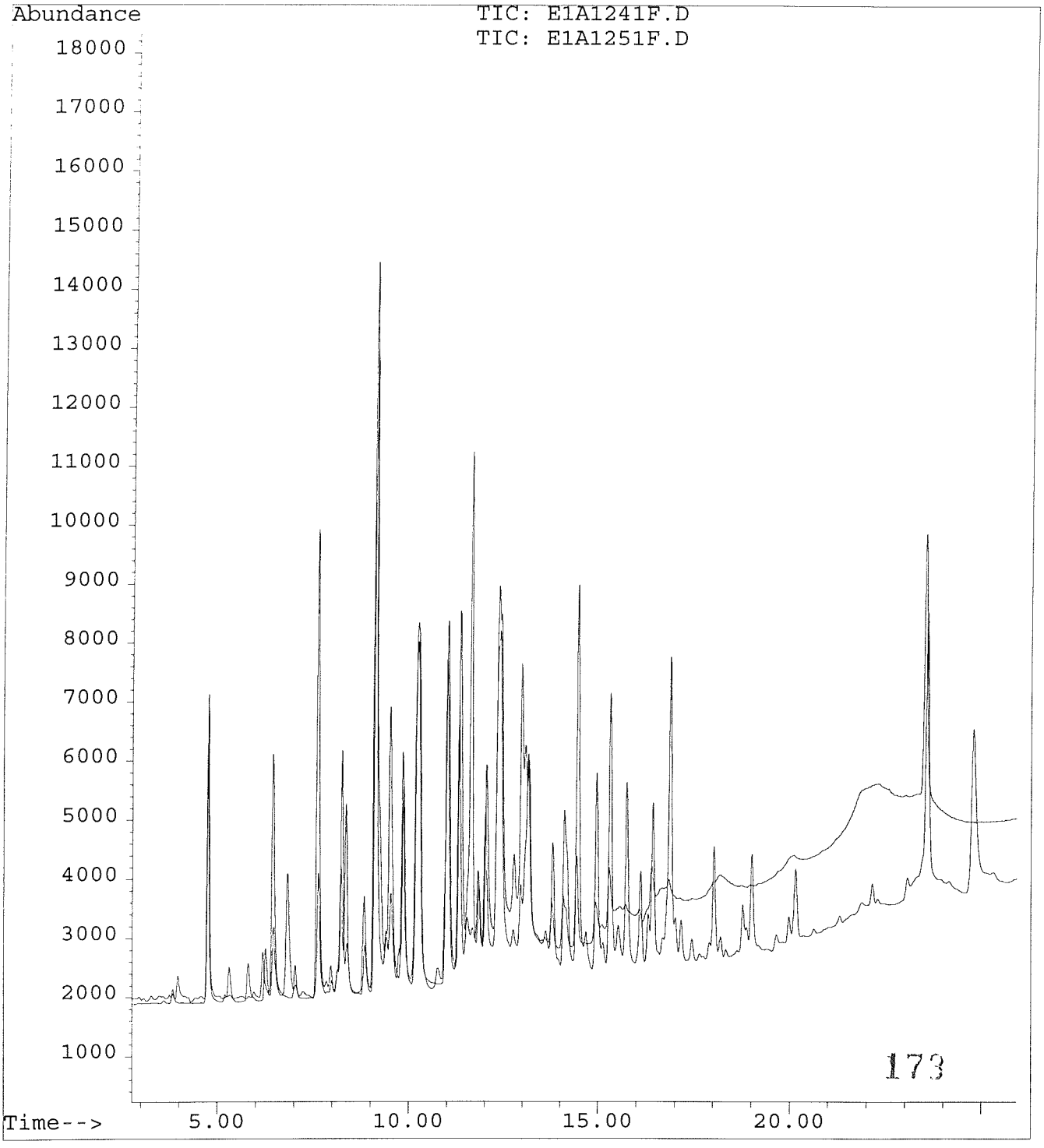
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



File : C:\HPCHEM\5\DATA\JULY97\970729\E1A1241F.D
Operator : JS
Acquired : 31 Jul 97 10:19 AM using AcqMethod VHBPCB1A.MTH
Instrument : E1
Sample Name: ar1242c2,ar1242c2,,ar1242.sub
Misc Info : 2,,,3
Vial Number: 58



File : C:\HPCHEM\5\DATA\JULY97\970729\E1A1241F.D
Operator : JS
Acquired : 31 Jul 97 10:19 AM using AcqMethod VHBPCB1A.MTH
Instrument : E1
Sample Name: ar1242c2,ar1242c2,,ar1242.sub
Misc Info : 2,,,3
Vial Number: 58



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D\E1A1252R.D
Acq On : 31 Jul 97 06:15 PM Operator: JS
Sample : D1145-14,S1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.76	7.39	4735	3763	20.725	17.819m
			Recovery	=	51.81%	44.55%
2) S Decachlorobiphenyl	23.57	34.05f	3720	1612	15.288m	14.217m
			Recovery	=	38.22%	35.54%
Target Compounds						
3) M 2,4,4'-Trichlorobip	9.13	0.00	644	0	7.213	N.D. #
4) M 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016	7.63	11.45f	321	282	10.234	9.530
6) L1 Aroclor-1016 {2}	9.13	12.85f	644	500	14.193	13.510
7) L1 Aroclor-1016 {3}	10.22	13.45f	1086	213	44.992	12.307 #
Total Aroclor-1016			2051	995	69.418	35.346
Average Aroclor-1016					23.139	11.782
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	5.63	8.80f	146	273	21.533	42.192
10) L2 Aroclor-1221 {3}	6.19f	0.00	187	0	9.965	N.D. #
Total Aroclor-1221			333	273	31.498	42.192
Average Aroclor-1221					15.749	42.192
11) L3 Aroclor-1232	6.19f	0.00	187	0	11.507	N.D. #
12) L3 Aroclor-1232 {2}	7.38	11.17f	173	193	12.222	13.706
13) L3 Aroclor-1232 {3}	8.86	12.55f	200	227	10.610	14.800
Total Aroclor-1232			560	421	34.339	28.506
Average Aroclor-1232					11.446	14.253
14) L4 Aroclor-1242	7.63	11.45f	182	141	4.981m	4.059
15) L4 Aroclor-1242 {2}	9.13	12.40f	539	166	10.099m	10.920
16) L4 Aroclor-1242 {3}	9.52	12.85f	119	349	5.578m	8.116
17) L4 Aroclor-1242 (4)	9.86	13.45f	161	107	9.181m	5.291
18) L4 Aroclor-1242 (5)	10.22	14.04f	1086	886	38.554	45.813
Total Aroclor-1242			2087	1649	68.393	74.199
Average Aroclor-1242					13.679	14.840
19) L5 Aroclor-1248	11.02f	15.70f	889	430	33.094	28.567

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D\E1A1252R.D
Acq On : 31 Jul 97 06:15 PM Operator: JS
Sample : D1145-14,S1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	11.34f	16.21f	637	752	28.504	31.521
21) L5	Aroclor-1248 {3}	0.00	16.44f	0	409	N.D.	16.414 #
Total	Aroclor-1248			1526	1591	61.598	76.502
Average	Aroclor-1248					30.799	25.501
22) L6	Aroclor-1254	14.10f	18.48f	1338	1267	37.432	36.023
23) L6	Aroclor-1254 {2}	14.45	18.88f	4025	3520	53.209	45.670
24) L6	Aroclor-1254 {3}	14.95f	19.31f	2151	2037	59.026	42.574 #
25) L6	Aroclor-1254 (4)	15.31	19.82f	2327	1962	51.001	59.794
26) L6	Aroclor-1254 (5)	16.88f	21.41f	3570	3001	59.278	57.857
Total	Aroclor-1254			13412	11786	259.945	241.918
Average	Aroclor-1254					51.989	48.384
27) L7	Aroclor-1260	18.02	22.88f	1153	512	35.509	20.438 #
28) L7	Aroclor-1260 {2}	19.01	0.00	848	0	13.575	N.D. #
29) L7	Aroclor-1260 {3}	20.15f	0.00	557	0	12.456	N.D. #
Total	Aroclor-1260			2557	512	61.540	20.438
Average	Aroclor-1260					20.513	20.438

AR1254
470

175

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

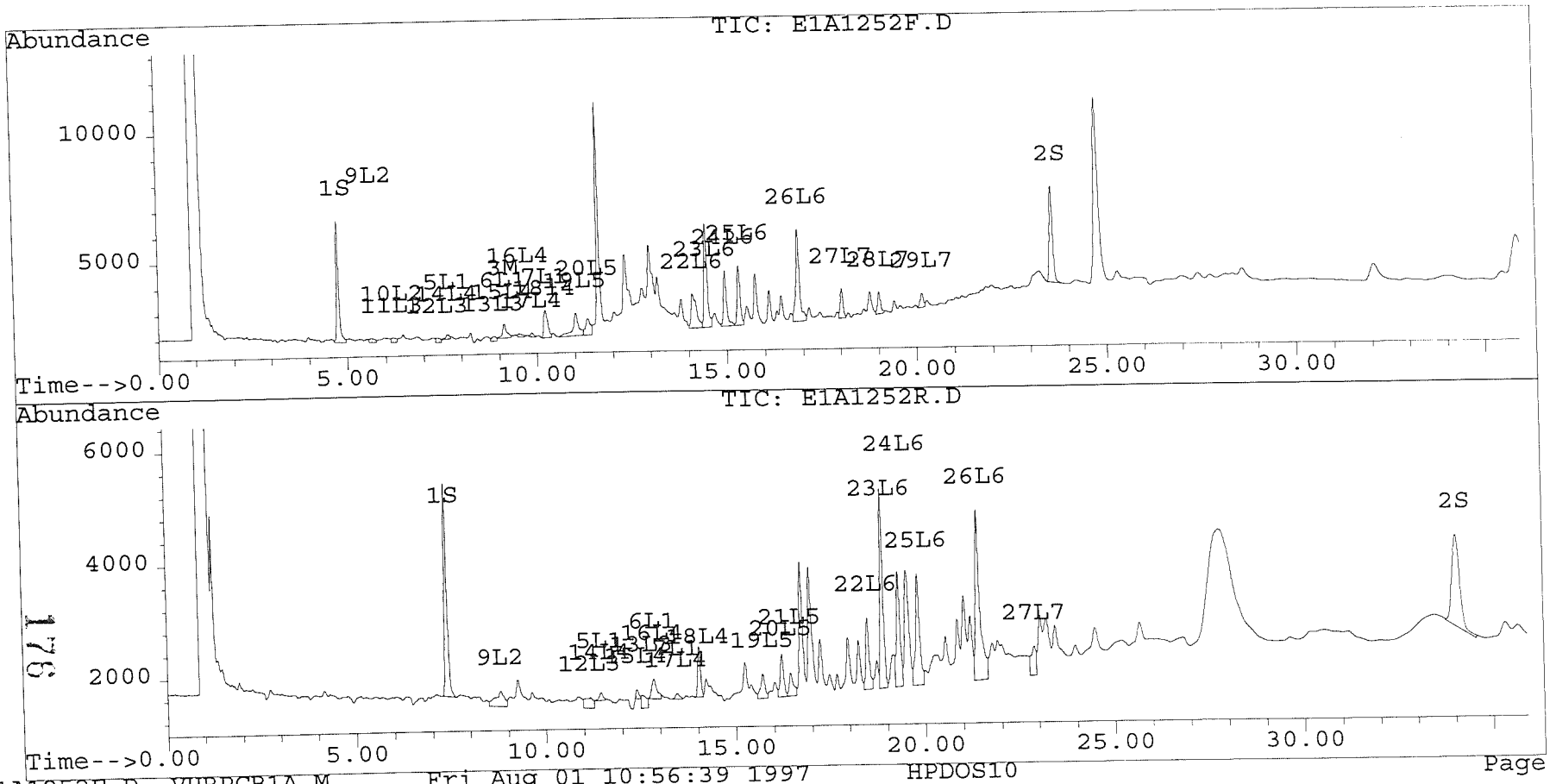
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1252F.D\E1A1252R.D
Acq On : 31 Jul 97 06:15 PM Operator: JS
Sample : D1145-14,S1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D\E1A1253R.D
Acq On : 31 Jul 97 06:54 PM Operator: JS
Sample : D1145-15,S3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.77f	7.41f	4845	4262	21.208	20.181m
				Recovery	=	53.02%	50.45%
2) S	Decachlorobiphenyl	23.61f	34.13f	4739	2329	19.475m	20.547m
				Recovery	=	48.69%	51.37%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	9.14	12.87	16624	12219	186.350	138.307 #
4) M	2,2',3,3',4,4'-Hexa	18.05	23.07	4037	3035	22.182	18.438
5) L1	Aroclor-1016	7.65f	0.00	3474	0	110.596	N.D. #
6) L1	Aroclor-1016 {2}	9.14f	0.00	16624	0	366.646	N.D. #
7) L1	Aroclor-1016 {3}	10.25	0.00	9806	0	406.096	N.D. #
Total	Aroclor-1016			29905	0	883.338	N.D.
Average	Aroclor-1016					294.446	0.000
8) L2	Aroclor-1221	0.00	6.22	0	203	N.D.	28.459 #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	6.21	0.00	478	0	25.483	N.D. #
Total	Aroclor-1221			478	203	25.483	28.459
Average	Aroclor-1221					25.483	28.459
11) L3	Aroclor-1232	6.21	0.00	478	0	29.425	N.D. #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.87	0.00	1295	0	68.560	N.D. #
Total	Aroclor-1232			1774	0	97.985	N.D.
Average	Aroclor-1232					48.992	0.000
14) L4	Aroclor-1242	7.65f	11.47f	3474	3234	95.080	93.090m
15) L4	Aroclor-1242 {2}	9.14f	12.38f	16624	5366	311.488	353.007m
16) L4	Aroclor-1242 {3}	9.54f	12.87f	2468	12231	115.686	284.439m#
17) L4	Aroclor-1242 (4)	9.88f	13.46f	5321	2961	303.460	146.421m#
18) L4	Aroclor-1242 (5)	10.25	14.06f	9806	6352	347.990	328.447m
Total	Aroclor-1242			37694	30144	1173.705	1205.403
Average	Aroclor-1242					234.741	241.081
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D\E1A1253R.D
Acq On : 31 Jul 97 06:54 PM Operator: JS
Sample : D1145-15,S3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.37	0.00	12818	0	455.469	N.D.
Total	Aroclor-1248			12818	0	455.469	N.D.
Average	Aroclor-1248					455.469	0.000
22) L6	Aroclor-1254	14.12f	18.50f	5678	5180	158.877m	147.29
23) L6	Aroclor-1254 {2}	14.48f	18.90f	13816	11938	182.627m	154.90
24) L6	Aroclor-1254 {3}	14.98f	19.34f	6799	8862	186.592m	185.23
25) L6	Aroclor-1254 (4)	15.33f	19.85f	10462	5878	229.258	179.17
26) L6	Aroclor-1254 (5)	16.91f	21.43f	12168	9070	202.025m	174.85
Total	Aroclor-1254			48923	40928	959.379	841.465
Average	Aroclor-1254					191.876	168.293
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

AR1242
3000

AR1254
1600

178

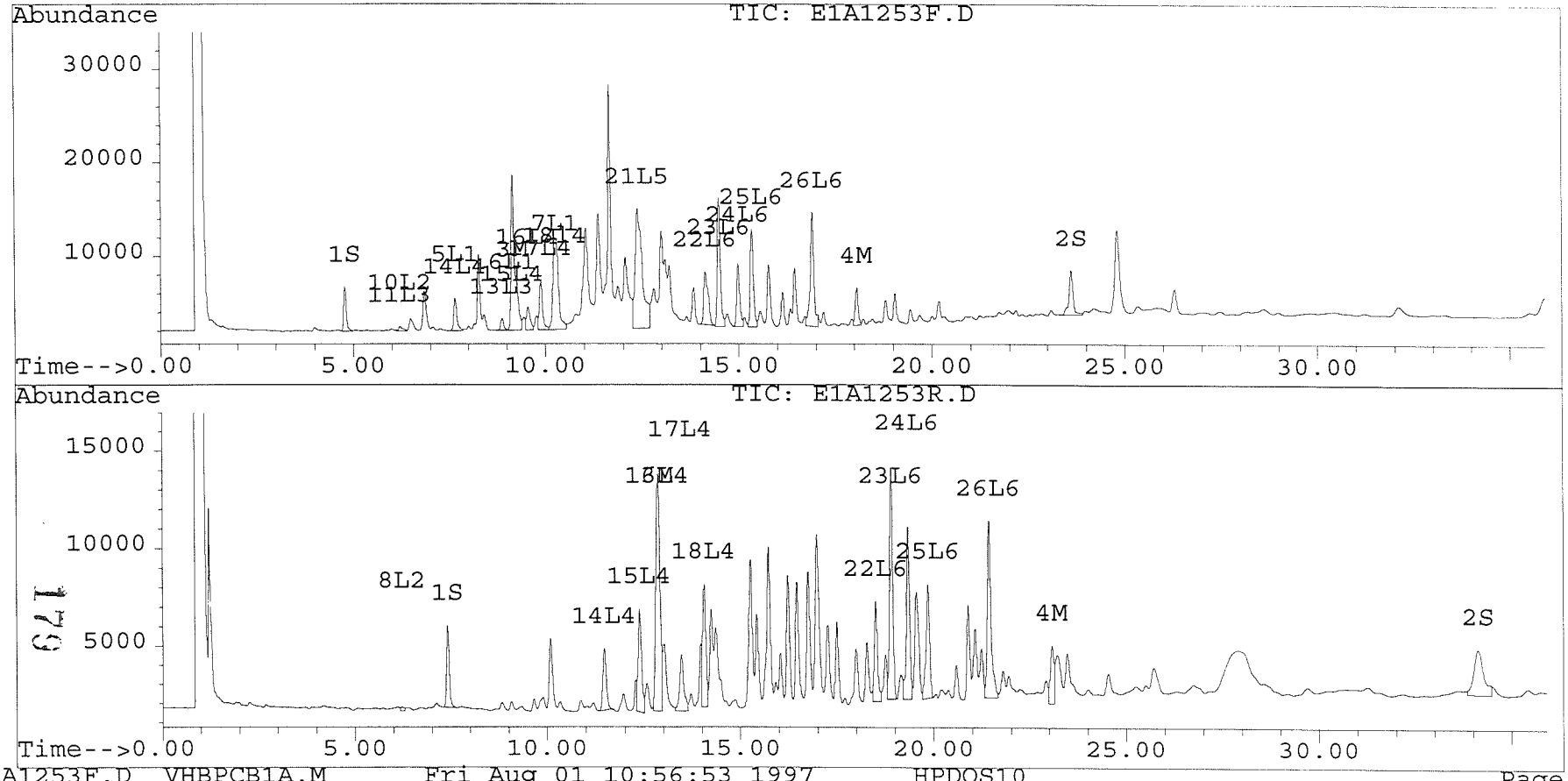
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1253F.D VHBPCB1A.M Fri Aug 01 10:56:46 1997 HPDOS10 Page

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1253F.D\E1A1253R.D
Acq On : 31 Jul 97 06:54 PM Operator: JS
Sample : D1145-15,S3-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,11,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:13 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D\E1A1254R.D
Acq On : 31 Jul 97 07:34 PM Operator: JS
Sample : D1145-16,S4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,8,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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						88
1) S	Tetrachloro-m-xylen	4.77f	7.41f	4534	3720	19.846	17.615m ✓
				Recovery	=	49.61%	44.04%
2) S	Decachlorobiphenyl	23.60f	34.13f	5971	2153	24.539m	18.989m ✓
				Recovery	=	61.35%	47.47%
	Target Compounds						95
3) M	2,4,4'-Trichlorobip	9.14	12.87	27643	21294	309.862	241.029
4) M	2,2',3,3',4,4'-Hexa	18.06	23.07	6049	4399	33.236	26.724
5) L1	Aroclor-1016	7.65f	0.00	6356	0	202.317	N.D. #
6) L1	Aroclor-1016 {2}	9.14f	0.00	27643	0	609.658	N.D. #
7) L1	Aroclor-1016 {3}	10.26	0.00	17767	0	735.786	N.D. #
Total	Aroclor-1016			51766	0	1547.762	N.D.
Average	Aroclor-1016					515.921	0.000
8) L2	Aroclor-1221	0.00	6.22	0	251	N.D.	35.157 #
9) L2	Aroclor-1221 {2}	0.00	8.79	0	450	N.D.	69.567 #
10) L2	Aroclor-1221 {3}	6.21	0.00	472	0	25.127	N.D. #
Total	Aroclor-1221			472	701	25.127	104.724
Average	Aroclor-1221					25.127	52.362
11) L3	Aroclor-1232	6.21	0.00	472	0	29.014	N.D. #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.87	0.00	2622	0	138.775	N.D. #
Total	Aroclor-1232			3094	0	167.789	N.D.
Average	Aroclor-1232					83.895	0.000
14) L4	Aroclor-1242	7.65f	11.47f	6356	5782	173.934	166.433m
15) L4	Aroclor-1242 {2}	9.14f	12.38f	27643	9727	517.942	639.899m
16) L4	Aroclor-1242 {3}	9.54f	12.87f	4152	21277	194.637	494.809m#
17) L4	Aroclor-1242 (4)	9.88f	13.46f	9707	4671	553.579	230.980m#
18) L4	Aroclor-1242 (5)	10.26	14.06f	17767	11306	630.508	584.606m
Total	Aroclor-1242			65626	52763	2070.598	2116.727
Average	Aroclor-1242					414.120	423.345
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

180

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D\E1A1254R.D
Acq On : 31 Jul 97 07:34 PM Operator: JS
Sample : D1145-16,S4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,8,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.38	0.00	20613	0	732.464	N.D. #
Total	Aroclor-1248			20613	0	732.464	N.D.
Average	Aroclor-1248					732.464	0.000
22) L6	Aroclor-1254	14.13f	18.51f	9019	8148	252.361m	231.688m
23) L6	Aroclor-1254 {2}	14.48f	18.90f	20234	17938	267.463m	232.757m
24) L6	Aroclor-1254 {3}	14.98f	19.34f	9775	13064	268.266m	273.071m
25) L6	Aroclor-1254 (4)	15.34f	19.85f	14535	8575	318.502m	261.381m
26) L6	Aroclor-1254 (5)	16.91f	21.44f	17171	12595	285.090m	242.816m
Total	Aroclor-1254			70734	60320	1391.682	(1241.713)
Average	Aroclor-1254					278.336	248.343
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

AR1242
4/955

AR1254
2200

181

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

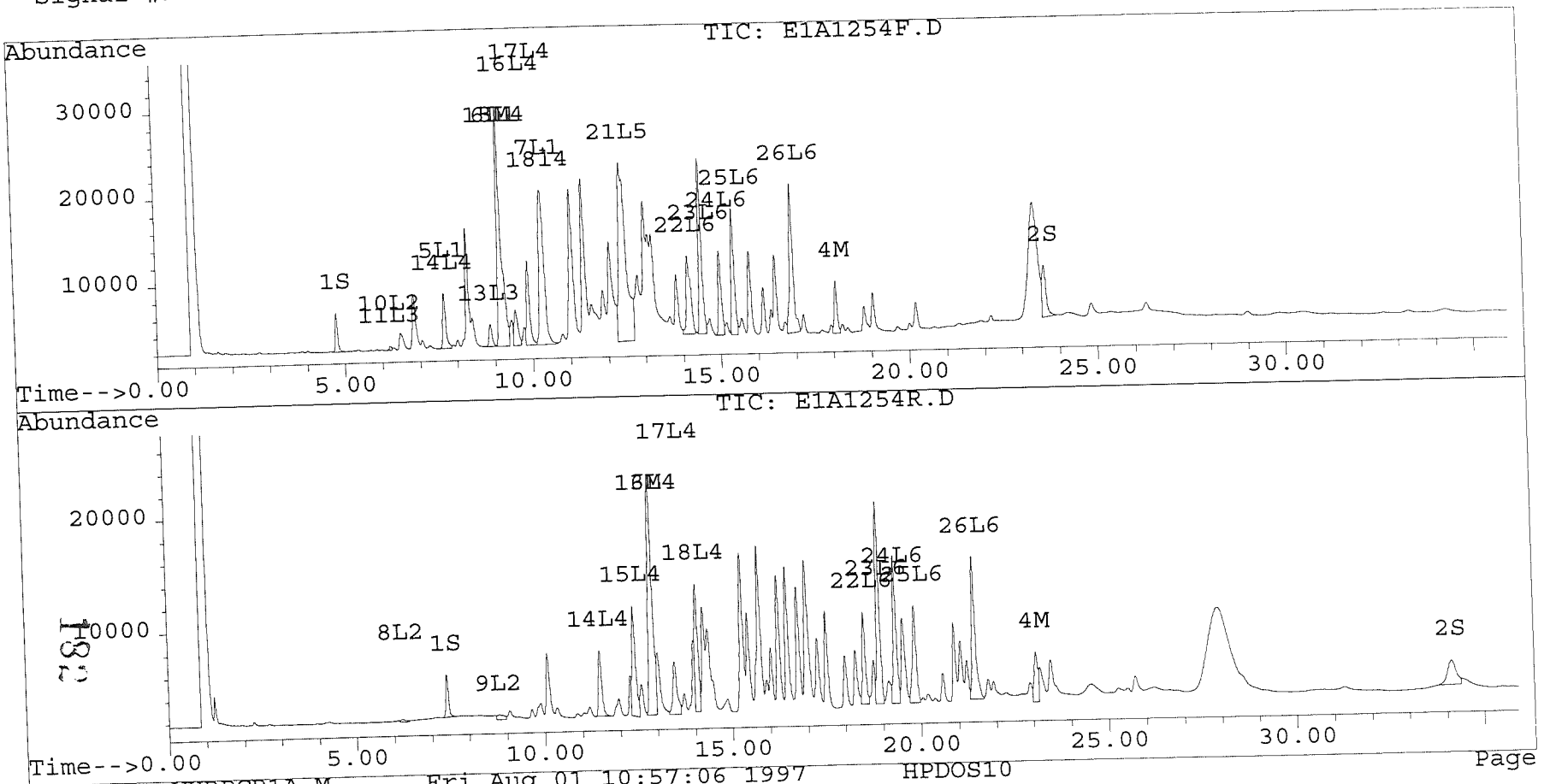
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1254F.D\E1A1254R.D
Acq On : 31 Jul 97 07:34 PM Operator: JS
Sample : D1145-16,S4-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,8,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D Vial: 77
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D\E1A1260R.D
Acq On : 31 Jul 97 11:31 PM Operator: JS
Sample : D1145-17,S6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
						93
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.80	7.46	4383	3911	19.184	18.520
			Recovery	=	47.96%	46.30%
2) S Decachlorobiphenyl	23.71	34.40	4354	1952	17.893	17.219
			Recovery	=	44.73%	43.05%
						86
Target Compounds						
3) M 2,4,4'-Trichlorobip	9.22	12.95	549	416	6.154	4.710
4) M 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016	7.70	11.55	106	127	3.383	4.283 #
6) L1 Aroclor-1016 {2}	9.22	12.95	549	416	12.107	11.252
7) L1 Aroclor-1016 {3}	10.34	13.55	419	120	17.336	6.927 #
			1074	663	32.826	22.461
Total Aroclor-1016					10.942	7.487
Average Aroclor-1016						
8) L2 Aroclor-1221	3.64f	6.26f	33	644	4.121	90.212 #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	6.25	0.00	108	0	5.773	N.D. #
			141	644	9.894	90.212
Total Aroclor-1221					4.947	90.212
Average Aroclor-1221						
11) L3 Aroclor-1232	6.25	0.00	108	0	6.667	N.D. #
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	12.48	0	166	N.D.	10.791 #
			108	166	6.667	10.791
Total Aroclor-1232					6.667	10.791
Average Aroclor-1232						
14) L4 Aroclor-1242	7.70f	11.55f	62	65	1.697m	1.871m
15) L4 Aroclor-1242 {2}	9.21f	12.63	431	30	8.076m	1.974m
16) L4 Aroclor-1242 {3}	9.67f	12.95f	50	353	2.344m	8.209m
17) L4 Aroclor-1242 (4)	9.94f	13.55f	109	58	6.216m	2.868m
18) L4 Aroclor-1242 (5)	10.33	14.14f	251	200	8.907m	10.342m
			903	706	27.239	25.263
Total Aroclor-1242					5.448	5.053
Average Aroclor-1242						
19) L5 Aroclor-1248	11.11f	0.00	581	0	21.608	N.D. #
						183

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D Vial: 77
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D\E1A1260R.D
Acq On : 31 Jul 97 11:31 PM Operator: JS
Sample : D1145-17,S6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	16.31f	0	308	N.D.	12.913
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			581	308	21.608	12.913
Average Aroclor-1248					21.608	12.913
22) L6 Aroclor-1254	14.27f	18.58	102	298	2.854m	8.48
23) L6 Aroclor-1254 (2)	14.56	18.99	244	400	3.225m	5.19
24) L6 Aroclor-1254 (3)	15.05	19.42	134	343	3.678m	7.17
25) L6 Aroclor-1254 (4)	15.42	19.94	205	298	4.492m	9.08
26) L6 Aroclor-1254 (5)	16.99	21.52	239	363	3.968m	7.00
Total Aroclor-1254			924	1703	18.217	36.947
Average Aroclor-1254					3.643	7.389
27) L7 Aroclor-1260	18.13	22.97	316	282	9.720	11.24
28) L7 Aroclor-1260 (2)	19.12	23.58	143	344	2.298	5.84
29) L7 Aroclor-1260 (3)	20.25	0.00	123	0	2.742	N.D
Total Aroclor-1260			582	626	14.759	17.08
Average Aroclor-1260					4.920	8.54

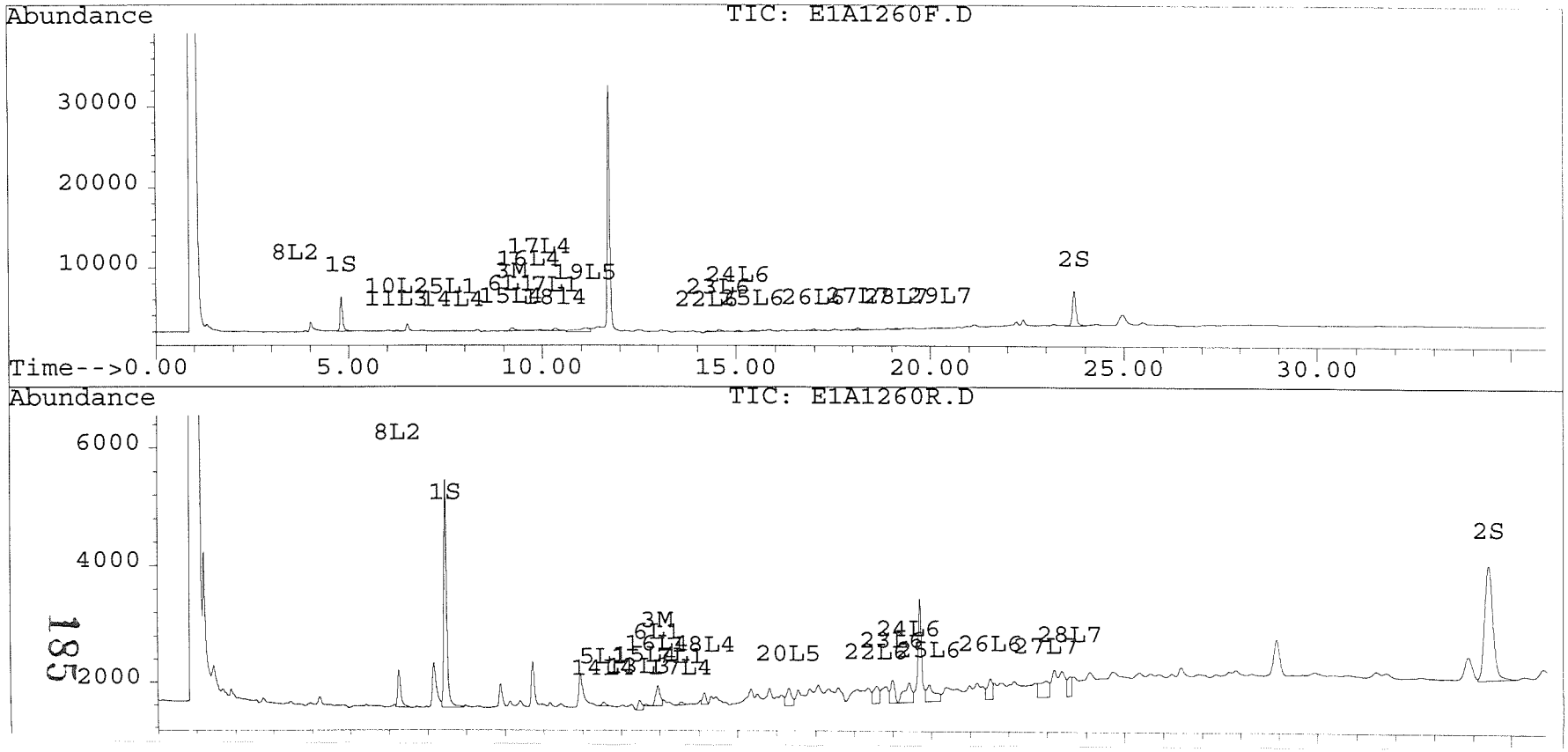
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D Vial: 77
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1260F.D\E1A1260R.D
Acq On : 31 Jul 97 11:31 PM Operator: JS
Sample : D1145-17,S6-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D\E1A1261R.D
Acq On : 01 Aug 97 00:11 AM Operator: JS
Sample : D1145-18,S7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:34 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
						90
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.81	7.46	4255	3799	18.625	17.992
			Recovery	=	46.56%	44.98%
2) S Decachlorobiphenyl	23.71	34.39	4055	1800	16.663	15.874
			Recovery	=	41.66%	39.69%
						79
Target Compounds						
3) M 2,4,4'-Trichlorobip	9.21	12.94	1260	969	14.124	10.974
4) M 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1 Aroclor-1016	7.70	11.54	368	402	11.715	13.612
6) L1 Aroclor-1016 {2}	9.21	12.94	1260	969	27.790	26.213
7) L1 Aroclor-1016 {3}	10.32	13.54	985	245	40.777	14.147 #
			2613	1617	80.282	53.972
Total Aroclor-1016					26.761	17.991
Average Aroclor-1016						
8) L2 Aroclor-1221	3.65	0.00	40	0	4.992	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	6.26	0.00	210	0	11.195	N.D. #
			250	0	16.187	N.D.
Total Aroclor-1221					8.093	0.000
Average Aroclor-1221						
11) L3 Aroclor-1232	6.26	0.00	210	0	12.927	N.D. #
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	12.47f	0	394	N.D.	25.632 #
			210	394	12.927	25.632
Total Aroclor-1232					12.927	25.632
Average Aroclor-1232						
14) L4 Aroclor-1242	7.70f	11.54f	345	402	9.441m	11.585
15) L4 Aroclor-1242 {2}	9.21f	12.64f	1185	138	22.203m	9.110
16) L4 Aroclor-1242 {3}	9.61f	12.94f	167	973	7.828m	22.628m
17) L4 Aroclor-1242 (4)	9.95f	13.54f	311	245	17.735m	12.133
18) L4 Aroclor-1242 (5)	10.32	14.13f	898	605	31.868m	31.283m
			2906	2364	89.076	86.740
Total Aroclor-1242					17.815	17.348
Average Aroclor-1242						
19) L5 Aroclor-1248	11.10f	0.00	911	0	33.895	N.D. #

186

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D\E1A1261R.D
Acq On : 01 Aug 97 00:11 AM Operator: JS
Sample : D1145-18,S7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:34 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

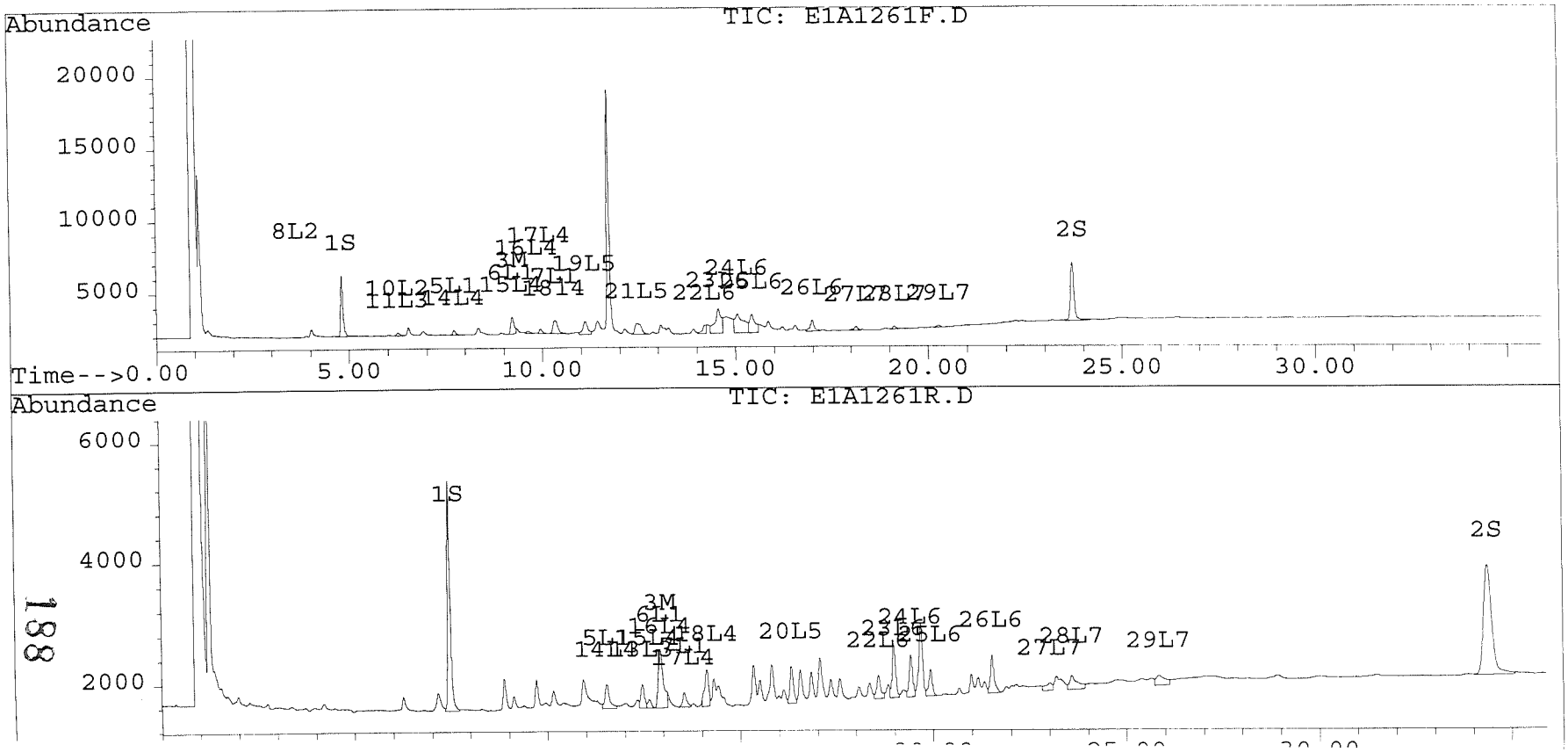
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	16.32f	0	610	N.D.	25.571 #
21) L5 Aroclor-1248 (3)	12.45	0.00	769	0	27.312	N.D. #
			1679	610	61.207	25.571
Total Aroclor-1248					30.604	25.571
Average Aroclor-1248						
22) L6 Aroclor-1254	14.21	18.59	603	386	16.862	10.983 #
23) L6 Aroclor-1254 (2)	14.56	18.99	1704	873	22.522	11.324 #
24) L6 Aroclor-1254 (3)	15.05	19.43	1321	691	36.243	14.438 #
25) L6 Aroclor-1254 (4)	15.42	19.94	1287	434	28.198	13.242 #
26) L6 Aroclor-1254 (5)	16.99	21.52	800	630	13.290	12.147
			5714	3014	117.115	62.134
Total Aroclor-1254					23.423	12.427
Average Aroclor-1254						
27) L7 Aroclor-1260	18.13	23.01	271	129	8.351	5.143 #
28) L7 Aroclor-1260 (2)	19.12	23.58	210	229	3.364	3.885
29) L7 Aroclor-1260 (3)	20.26	25.84	155	164	3.477	6.647 #
			637	522	15.191	15.674
Total Aroclor-1260					5.064	5.225
Average Aroclor-1260						

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1261F.D\E1A1261R.D
Acq On : 01 Aug 97 00:11 AM Operator: JS
Sample : D1145-18,S7-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,18,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:34 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D\E1A1262R.D
Acq On : 01 Aug 97 00:50 AM Operator: JS
Sample : D1145-19,R1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.85f	7.53f	4362	3781	19.095m	17.906m
			Recovery	=	47.74%	44.77%
2) S Decachlorobiphenyl	23.84f	34.72f	4171	1774	17.141m	15.650m
			Recovery	=	42.85%	39.13%
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	18.09	23.13	1488	2041	8.177	12.400 #
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}	10.38f	0.00	31521	0	1305.378	N.D. #
Total Aroclor-1016			31521	0	1305.378	N.D.
Average Aroclor-1016					1305.378	0.000
8) L2 Aroclor-1221	3.67	6.20	148	285	18.442	39.897 #
9) L2 Aroclor-1221 {2}	0.00	8.80f	0	222	N.D.	34.339 #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			148	507	18.442	74.236
Average Aroclor-1221					18.442	37.118
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	7.37	11.18f	471	603	33.337	42.739 #
13) L3 Aroclor-1232 {3}	0.00	12.54	0	26174	N.D.	1704.410 #
Total Aroclor-1232			471	26777	33.337	1747.149
Average Aroclor-1232					33.337	873.575
14) L4 Aroclor-1242	7.76f	11.62f	7974	7574	218.218m	218.016m
15) L4 Aroclor-1242 {2}	9.27f	12.72f	53448	4634	1001.438m	304.852
16) L4 Aroclor-1242 {3}	9.67f	13.02f	5600	40723	262.494m	947.036m
17) L4 Aroclor-1242 (4)	10.01f	13.62f	16708	8391	952.789m	414.934m
18) L4 Aroclor-1242 (5)	10.38f	14.21f	30812	20786	1093.455m	1074.79
Total Aroclor-1242			114542	82108	3528.395	2959.631
Average Aroclor-1242					705.679	591.926
19) L5 Aroclor-1248	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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D\E1A1262R.D
Acq On : 01 Aug 97 00:50 AM Operator: JS
Sample : D1145-19,R1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.52f	0.00	31565	0	1121.640	N.D.
Total	Aroclor-1248			31565	0	1121.640	N.D.
Average	Aroclor-1248					1121.640	0.000
22) L6	Aroclor-1254	14.28f	18.68f	15404	15110	431.021m	429.653
23) L6	Aroclor-1254 {2}	14.63f	19.08f	35267	31023	466.176m	402.543
24) L6	Aroclor-1254 {3}	15.13f	19.52f	16940	21954	464.903m	458.895
25) L6	Aroclor-1254 (4)	15.49f	20.03f	24706	13503	541.377m	411.595
26) L6	Aroclor-1254 (5)	17.07f	21.62f	27016	21622	448.546m	416.845
Total	Aroclor-1254			119333	103212	2352.023	2119.53
Average	Aroclor-1254					470.405	423.906
27) L7	Aroclor-1260	18.09	0.00	1488	0	45.822	N.D.
28) L7	Aroclor-1260 {2}	19.08	0.00	1103	0	17.660	N.D.
29) L7	Aroclor-1260 {3}	0.00	25.81	0	1254	N.D.	50.689
Total	Aroclor-1260			2591	1254	63.482	50.689
Average	Aroclor-1260					31.741	50.689

AR1242
9500

AR1254
4100

190

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1262F.D VHBPCB1A.M Fri Aug 01 10:57:41 1997 HPDOS10 Page

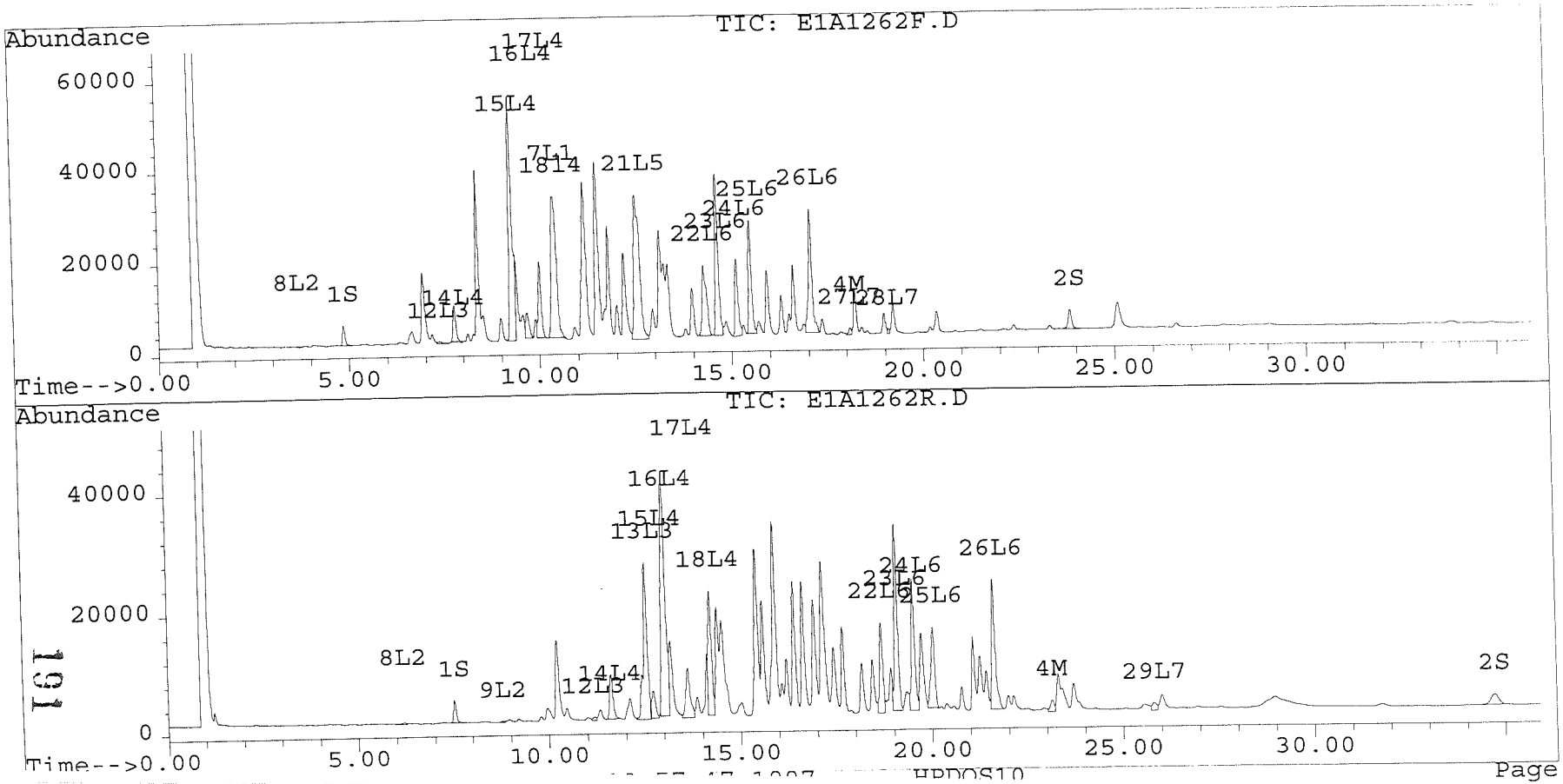
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1262F.D\E1A1262R.D
Acq On : 01 Aug 97 00:50 AM Operator: JS
Sample : D1145-19,R1-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,14,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D\E1A1263R.D
Acq On : 01 Aug 97 01:30 AM Operator: JS
Sample : D1145-20,R2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,15,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.85f	7.52f	4584	3863	20.065	18.293m
				Recovery	=	50.16%	45.73%
2) S	Decachlorobiphenyl	23.83f	34.70f	4288	1938	17.621m	17.090m
				Recovery	=	44.05%	42.73%
	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	0.00	23.12	0	442	N.D.	2.682 #
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}	10.37f	0.00	407	0	16.852	N.D. #
	Total Aroclor-1016			407	0	16.852	N.D.
	Average Aroclor-1016					16.852	0.000
8) L2	Aroclor-1221	0.00	6.20	0	57	N.D.	8.003 #
9) L2	Aroclor-1221 {2}	0.00	8.79	0	38	N.D.	5.797 #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			0	95	N.D.	13.800
	Average Aroclor-1221					0.000	6.900
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	7.39	0.00	27	0	1.926	N.D. #
13) L3	Aroclor-1232 {3}	8.82f	0.00	63	0	3.324	N.D. #
	Total Aroclor-1232			90	0	5.251	N.D.
	Average Aroclor-1232					2.625	0.000
14) L4	Aroclor-1242	7.76f	0.00	134	0	3.667m	N.D. #
15) L4	Aroclor-1242 {2}	9.27f	12.56f	345	667	6.464m	43.847 #
16) L4	Aroclor-1242 {3}	9.67f	0.00	61	0	2.859m	N.D. #
17) L4	Aroclor-1242 (4)	10.00f	0.00	94	0	5.360m	N.D. #
18) L4	Aroclor-1242 (5)	10.37f	0.00	319	0	11.321m	N.D. #
	Total Aroclor-1242			953	667	29.672	43.847
	Average Aroclor-1242					5.934	43.847
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D\E1A1263R.D
Acq On : 01 Aug 97 01:30 AM Operator: JS
Sample : D1145-20,R2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,15,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
Response via : Multiple Level Calibration

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

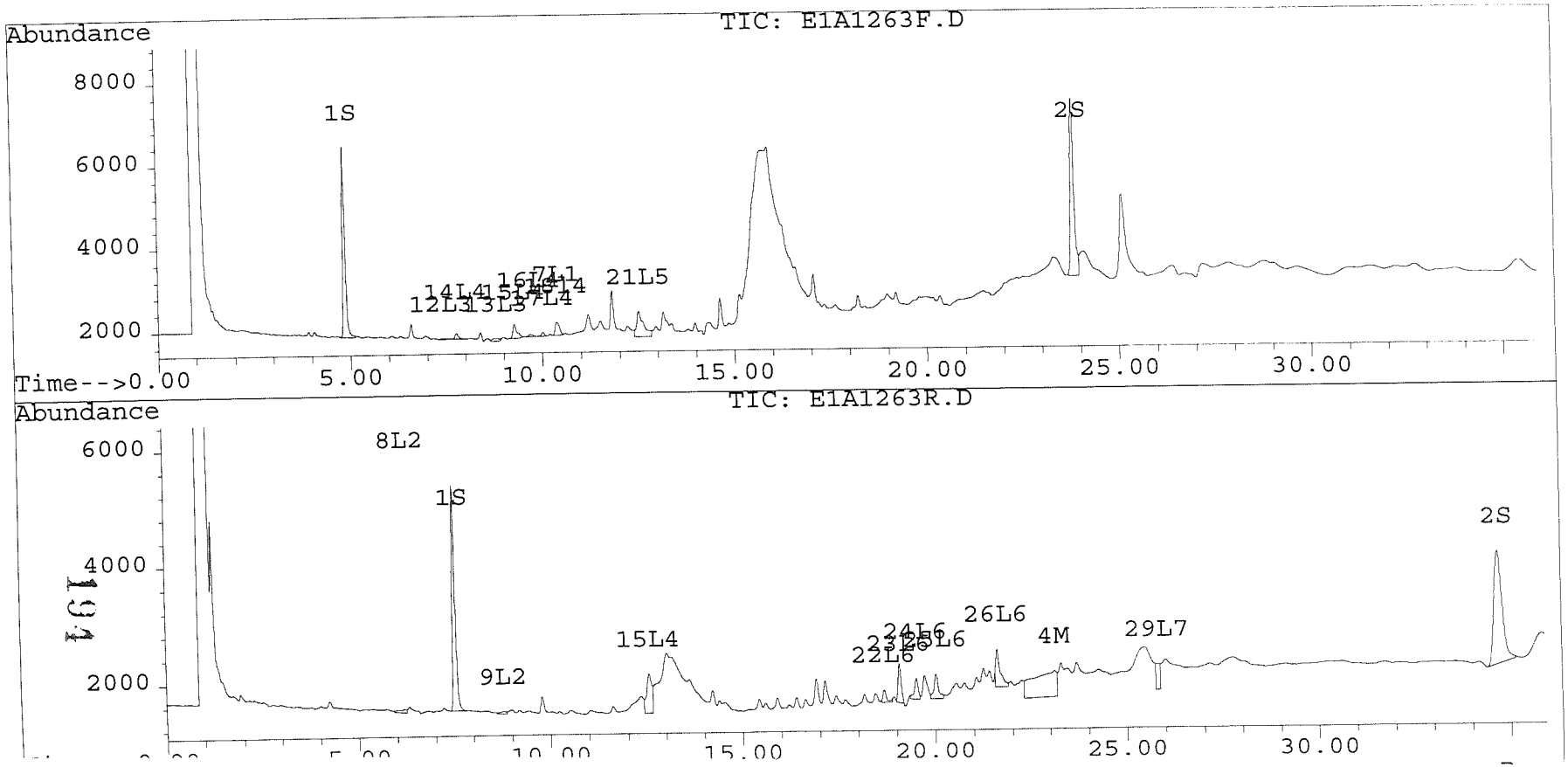
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5	Aroclor-1248 {3}	12.50	0.00	613	0	21.794	N.D. #
Total	Aroclor-1248			613	0	21.794	N.D.
Average	Aroclor-1248					21.794	0.000
22) L6	Aroclor-1254	0.00	18.67f	0	217	N.D.	6.170m#
23) L6	Aroclor-1254 {2}	0.00	19.08f	0	668	N.D.	8.668m#
24) L6	Aroclor-1254 {3}	0.00	19.51f	0	358	N.D.	7.483m#
25) L6	Aroclor-1254 (4)	0.00	20.03f	0	417	N.D.	12.711m#
26) L6	Aroclor-1254 (5)	0.00	21.62f	0	643	N.D.	12.396m#
Total	Aroclor-1254			0	2303	N.D.	47.428
Average	Aroclor-1254					0.000	9.486
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	25.81	0	443	N.D.	17.910 #
Total	Aroclor-1260			0	443	N.D.	17.910
Average	Aroclor-1260					0.000	17.910

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\JULY97\970729\E1A1263F.D\E1A1263R.D
Acq On : 01 Aug 97 01:30 AM Operator: JS
Sample : D1145-20,R2-C1,P0729-B1, Inst : E1
Misc : 0,,,2,,25000,,15,15,,29-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 1 10:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Fri Aug 01 10:30:54 1997
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



Florisil Lot Number:

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	7/29/97	**Analysis:**	PCB (VHB)			**Sample Matrix:**	Soil		**Project #:**	D1145
Blank ID	P0729-B1	**Method:**	Sonic			**Analyst:**	ARN		**Client:**	

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
P0729-B1		15.0g	PW9707025A 1mL	N	—	—	7/29/97	2.5mL Hexane	7/30/97	Spiker: ARN
-LCS1				PW9707025B 1mL						Witness: AD
PD1145-01				N						
-01MS				PW9707025B 1mL						
-01MSD				↓						
-02				N						
-03										
-04										
-05										
-06										
-07										
-08										
-09										
-10										
-11										
-12										
-13										

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	7/29/97	**Analysis:**	PCB (VHB)		**Sample Matrix:**	Soil		**Project #:**	D1145
Blank ID	P0729-B1	**Method:**	SONIC		**Analyst:**	ARN		**Client:**	

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
PD1145-14		15.0g	PW970725A 1mL	N	—	—	7/29/97	25mL Hexane	7/30/97	Spiker: ARN
-15										Witness: AO
-16										
-17										
-18										
-19										
-20										
						ARN 7/29/97				

SGF

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
7/25/97	D1142-07	104°C	1.0	21.6	20.6	7/28/97	105°C	20.7	19.7	96	HO	
	D1148-01	106	1.0	11.0	10.0			9.8	8.8	88		
	D1152-01							7.9	6.9	69		
	D1155-01							9.9	8.9	89		
7/26/97	D1151-01	107°C	1.0	11.0	10.0			10.3	9.3	93		
7/26/97	D1162-02	107	1.0	11.0	10.0			9.9	8.9	89		
	-03							9.8	8.8	88		
	-05							9.8	8.8	88		
	-06							9.0	8.0	80		
7/29/97	~~D1162-02~~											
7/29/97	D1163-01	106°C	1.0	11.0	10.0	7/30/97	100°C	10.4	9.4	94	ARN	
	-02							10.1	9.1	91		
	-03							10.1	9.1	91		
	D1145-01	106°C	1.0	11.0	10.0			9.9	8.9	(89)		
	-02							9.3	8.3	(83)		
	-03							9.7	8.7	(87)		
	-04							9.9	8.9	(89)		
	-05							9.2	8.2	(82)		
	-06							9.9	8.9	(89)		
	-07							10.1	9.1	(91)		
	-08							10.3	9.3	(93)		
	-09							10.1	9.1	(91)		

MITKEM CORP. % Moisture and % Solid Determination Log Book												
Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
7/29/97	D1145-10	106°C	1.0	11.0	10.0	7/30/97	100°C	9.7	8.7	87	MRN	
	-11							9.6	8.6	86		
	-12							9.6	8.6	86		
	-13							10.0	9.0	90		
	-14							9.6	8.6	86		
	-15							9.9	8.9	89		
	-16							10.2	9.2	92		
	-17							9.2	8.2	82		
	-18							9.2	8.2	82		
	-19							9.6	8.6	86		
	-20							9.5	8.5	85		
7/29/97	D1165-01	104°C	1.0	11.0	10.0			10.3	9.3	93		
	-03							10.3	9.3	93		
	-04							9.6	8.6	86		
	-05							9.9	8.9	89		
	-06							10.0	9.0	90		
	-02							10.0	9.0	90		
7/30/97	D1167-01	85°C	1.0	14.4	13.4							
	-02			34.6	33.6							
	-03			10.2	9.2							
	-04			13.3	12.3							
	-05			21.4	20.4							

QC Batch: P0730-B2 and P0805-B2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D\E1A1295R.D
Acq On : 03 Aug 97 00:20 AM Operator: JS/GML
Sample : P0730-B2,P0730-B2,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3267	2910	14.300	13.779
				Recovery	=	35.75%	34.45% 69
2) S	Decachlorobiphenyl	22.68	31.78	3212	1459	13.199	12.870
				Recovery	=	33.00%	32.18% 64
	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	17.28	0.00	179	0	0.986	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	3.63f	0.00	130	0	16.271	N.D. #
9) L2	Aroclor-1221 (2)	5.51	0.00	25	0	3.607	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			155	0	19.878	N.D.
	Average Aroclor-1221					9.939	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)	8.72	0.00	30	0	1.585	N.D. #
	Total Aroclor-1232			30	0	1.585	N.D.
	Average Aroclor-1232					1.585	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.

200

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D\E1A1295R.D
Acq On : 03 Aug 97 00:20 AM Operator: JS/GML
Sample : P0730-B2,P0730-B2,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

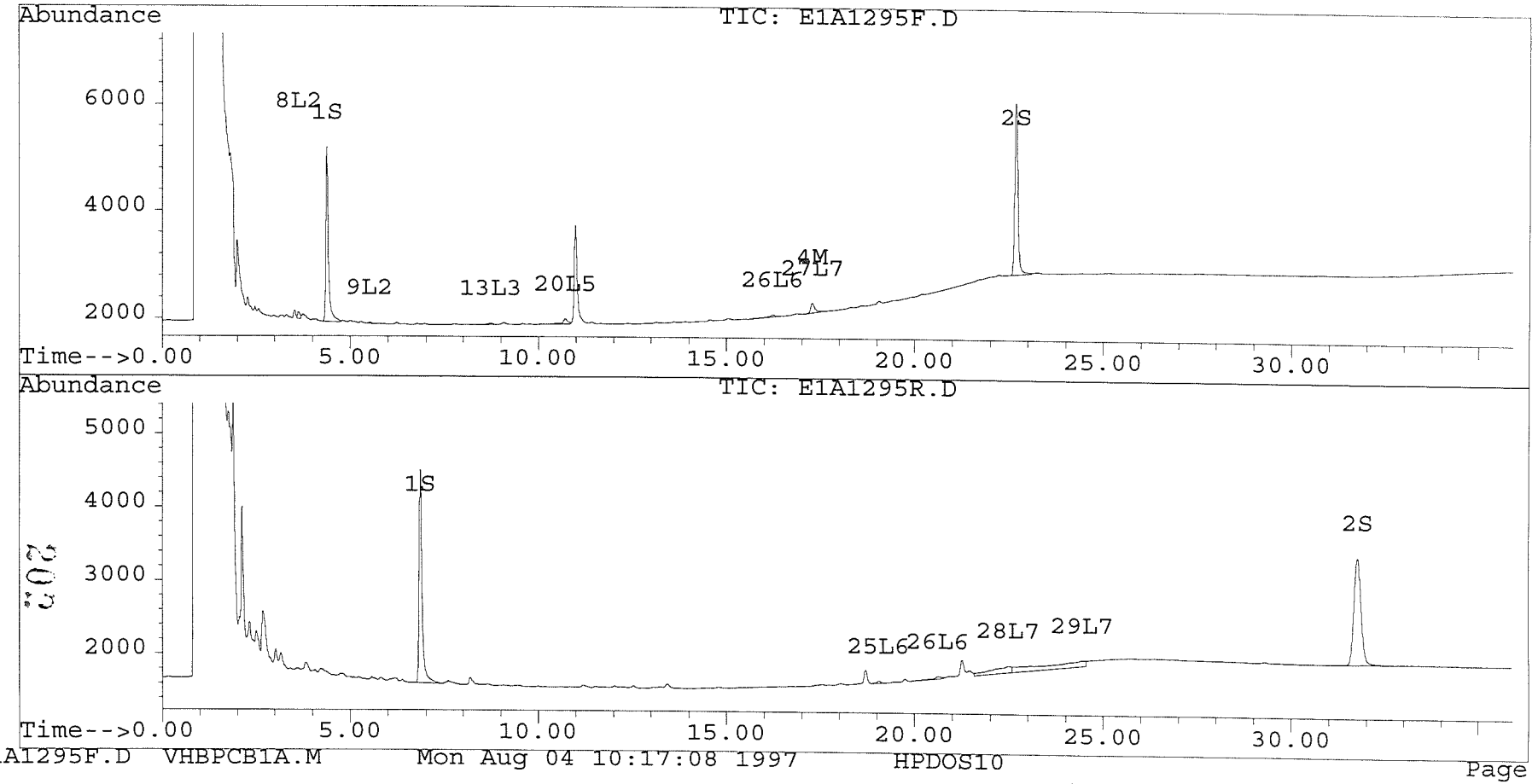
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.71	0.00	99	0	4.434	N.D. #
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			99	0	4.434	N.D.
Average Aroclor-1248					4.434	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 (2)	0.00	0.00	0	0	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	19.07	0	30	N.D.	0.926 #
26) L6 Aroclor-1254 (5)	16.23f	20.64f	46	29	0.763	0.567 #
Total Aroclor-1254			46	60	0.763	1.493
Average Aroclor-1254					0.763	0.746
27) L7 Aroclor-1260	17.28f	0.00	179	0	5.527	N.D. #
28) L7 Aroclor-1260 (2)	0.00	22.50	0	95	N.D.	1.615 #
29) L7 Aroclor-1260 (3)	0.00	24.45	0	78	N.D.	3.151 #
Total Aroclor-1260			179	173	5.527	4.766
Average Aroclor-1260					5.527	2.383

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1295F.D\E1A1295R.D
Acq On : 03 Aug 97 00:20 AM Operator: JS/GML
Sample : P0730-B2,P0730-B2,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D\E1A1296R.D
Acq On : 03 Aug 97 01:00 AM Operator: JS/GML
Sample : P0730-LCS2,P0730-LCS2,P0730-LCS2,,PCB CO Inst : E1
Misc : 3,,LCS,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4008	3563	17.543	16.873
				Recovery	=	43.86%	42.18%
2) S	Decachlorobiphenyl	22.68	31.78	3964	1767	16.289	15.583
				Recovery	=	40.72%	38.96%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	81083	81295	908.885	920.170
4) M	2,2',3,3',4,4'-Hexa	17.31	22.13	161755	154603	888.824	939.271
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 (2)	8.57	12.17	81083	81295	1788.245	2198.063
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			81083	81295	1788.245	2198.063
Average	Aroclor-1016					1788.245	2198.063
8) L2	Aroclor-1221	3.63f	6.11	246	29	30.730	4.028 #
9) L2	Aroclor-1221 (2)	5.51	0.00	43	0	6.329	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			289	29	37.059	4.028
Average	Aroclor-1221					18.529	4.028
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)	8.57	0.00	81083	0	1519.222	N.D. #
16) L4	Aroclor-1242 (3)	0.00	12.17	0	81295	N.D.	1890.560 #
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			81083	81295	1519.222	1890.560
Average	Aroclor-1242					1519.222	1890.560
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

203

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D\E1A1296R.D
Acq On : 03 Aug 97 01:00 AM Operator: JS/GML
Sample : P0730-LCS2,P0730-LCS2,P0730-LCS2,,PCB CO Inst : E1
Misc : 3,,LCS,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.70	0.00	204	0	9.110	N.D. #
21) L5	Aroclor-1248 {3}	11.83f	15.72	45	30	1.589	1.189 #
Total	Aroclor-1248			248	30	10.699	1.189
Average	Aroclor-1248					5.350	1.189
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}	14.28	0.00	532	0	14.609	N.D. #
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6	Aroclor-1254 (5)	16.24f	20.64f	37	29	0.621	0.568
Total	Aroclor-1254			570	29	15.230	0.568
Average	Aroclor-1254					7.615	0.568
27) L7	Aroclor-1260	17.31	0.00	161755	0	4981.052	N.D. #
28) L7	Aroclor-1260 {2}	18.29	0.00	109	0	1.744	N.D. #
29) L7	Aroclor-1260 {3}	19.43	24.45	88	103	1.964	4.170 #
Total	Aroclor-1260			161952	103	4984.760	4.170
Average	Aroclor-1260					1661.587	4.170

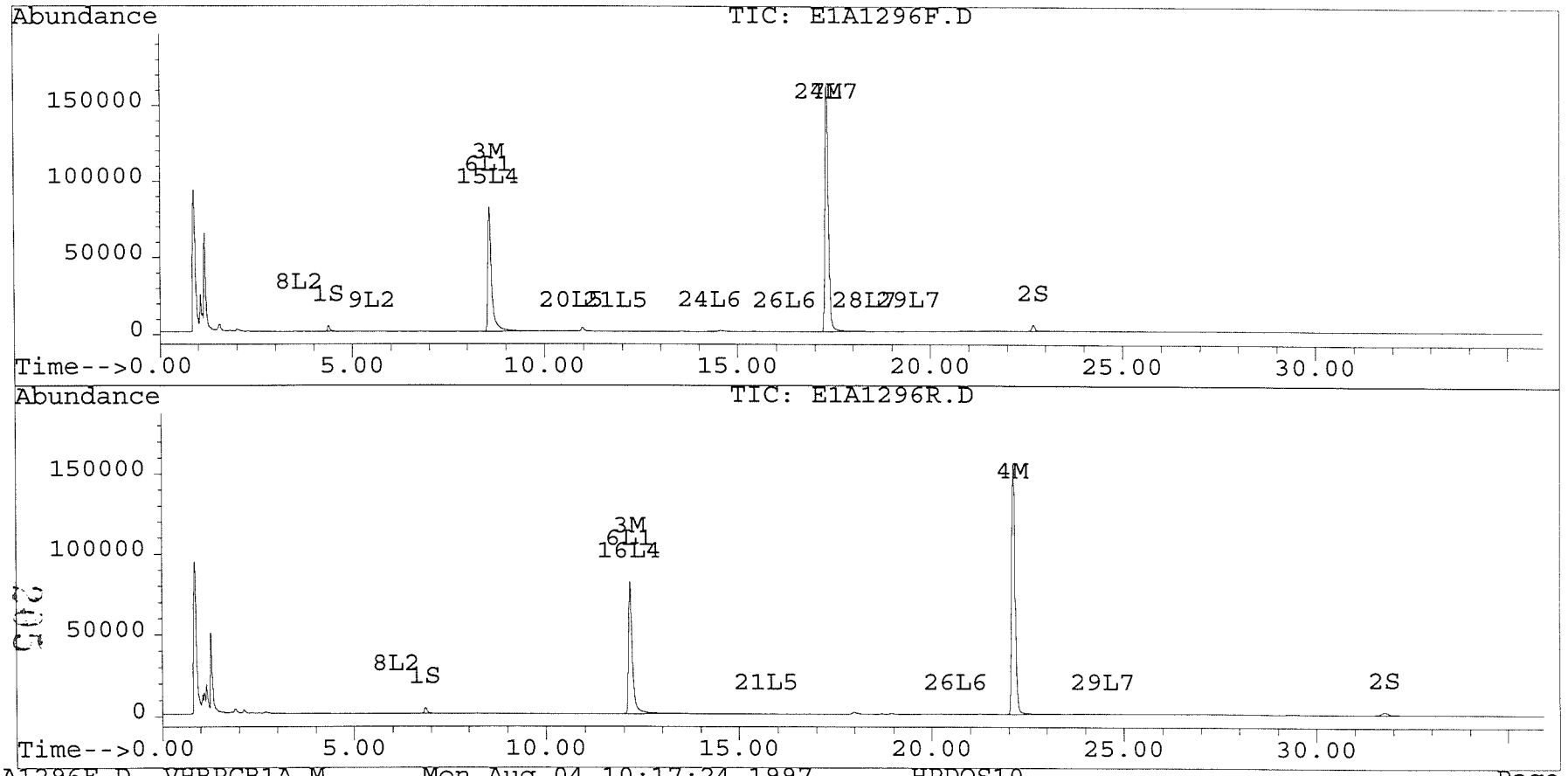
204

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1296F.D\E1A1296R.D
Acq On : 03 Aug 97 01:00 AM Operator: JS/GML
Sample : P0730-LCS2,P0730-LCS2,P0730-LCS2,,PCB CO Inst : E1
Misc : 3,,LCS,2,,25000,,30,,,30-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D\E1A1297R.D
Acq On : 03 Aug 97 01:39 AM Operator: JS/GML
Sample : D1145-21,R3-C1,P0730-B2 Inst : E1
Misc : 0,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4189	3587	18.335	16.987
				Recovery	=	45.84%	42.47% 85
2) S	Decachlorobiphenyl	22.68	31.77	3948	1915	16.222	16.893
				Recovery	=	40.56%	42.23%
						81	
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	11239	8875	125.980	100.457
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	2781	1973	15.282	11.986
5) L1	Aroclor-1016	7.12	10.80	2914	2806	92.752	94.895
6) L1	Aroclor-1016 {2}	8.57	12.17	11239	8875	247.868	239.967
7) L1	Aroclor-1016 {3}	9.65	12.75	7784	1844	322.348	106.308 #
Total	Aroclor-1016			21936	13525	662.968	441.169
Average	Aroclor-1016					220.989	147.056
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	223	0	32.833	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.44f	0	2494	N.D.	154.438 #
Total	Aroclor-1221			223	2494	32.833	154.438
Average	Aroclor-1221					32.833	154.438
11) L3	Aroclor-1232	0.00	9.44f	0	2494	N.D.	170.876 #
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	2494	N.D.	170.876
Average	Aroclor-1232					0.000	170.876
14) L4	Aroclor-1242	7.12	10.80	2914	2806	79.740	80.766
15) L4	Aroclor-1242 {2}	8.57	11.87	11239	1325	210.579	87.164 #
16) L4	Aroclor-1242 {3}	8.95	12.17	1822	8875	85.425	206.396 #
17) L4	Aroclor-1242 (4)	9.28	12.75	3739	1844	213.238	91.178 #
18) L4	Aroclor-1242 (5)	9.65	13.34	7784	5418	276.225	280.126
Total	Aroclor-1242			27498	20267	865.206	745.631
Average	Aroclor-1242					173.041	149.126
19) L5	Aroclor-1248	10.42	14.97	7401	5617	275.476	372.870 #

206

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D\E1A1297R.D
Acq On : 03 Aug 97 01:39 AM Operator: JS/GML
Sample : D1145-21,R3-C1,P0730-B2 Inst : E1
Misc : 0,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	7427	4581	332.369	192.065 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	4448	N.D.	178.648 #
Total Aroclor-1248			14828	14647	607.845	743.583
Average Aroclor-1248					303.923	247.861
22) L6 Aroclor-1254	13.45	17.71	3935	3720	110.096	105.785
23) L6 Aroclor-1254 {2}	13.79	18.10	9091	8442	120.174	109.544
24) L6 Aroclor-1254 {3}	14.29	18.54	4731	5651	129.834	118.119
25) L6 Aroclor-1254 (4)	14.64	19.05	6362	4321	139.413	131.724
26) L6 Aroclor-1254 (5)	16.19	20.60	7697	6168	127.790	118.910
Total Aroclor-1254			31816	28303	627.308	584.082
Average Aroclor-1254					125.462	116.816
27) L7 Aroclor-1260	17.32	22.00	2781	850	85.640	33.942 #
28) L7 Aroclor-1260 {2}	18.30	22.50	2226	2017	35.643	34.249
29) L7 Aroclor-1260 {3}	19.42	24.46	1593	1170	35.644	47.302 #
Total Aroclor-1260			6600	4037	156.927	115.493
Average Aroclor-1260					52.309	38.498

$AR\,1242 = \dfrac{(210.6 + 213 + 276) \times \frac{5}{3} \times 25}{30 \times 0.9} = 1100$

$AR\,1254 = \dfrac{584 \times 25}{30 \times 0.9} = 540$

207

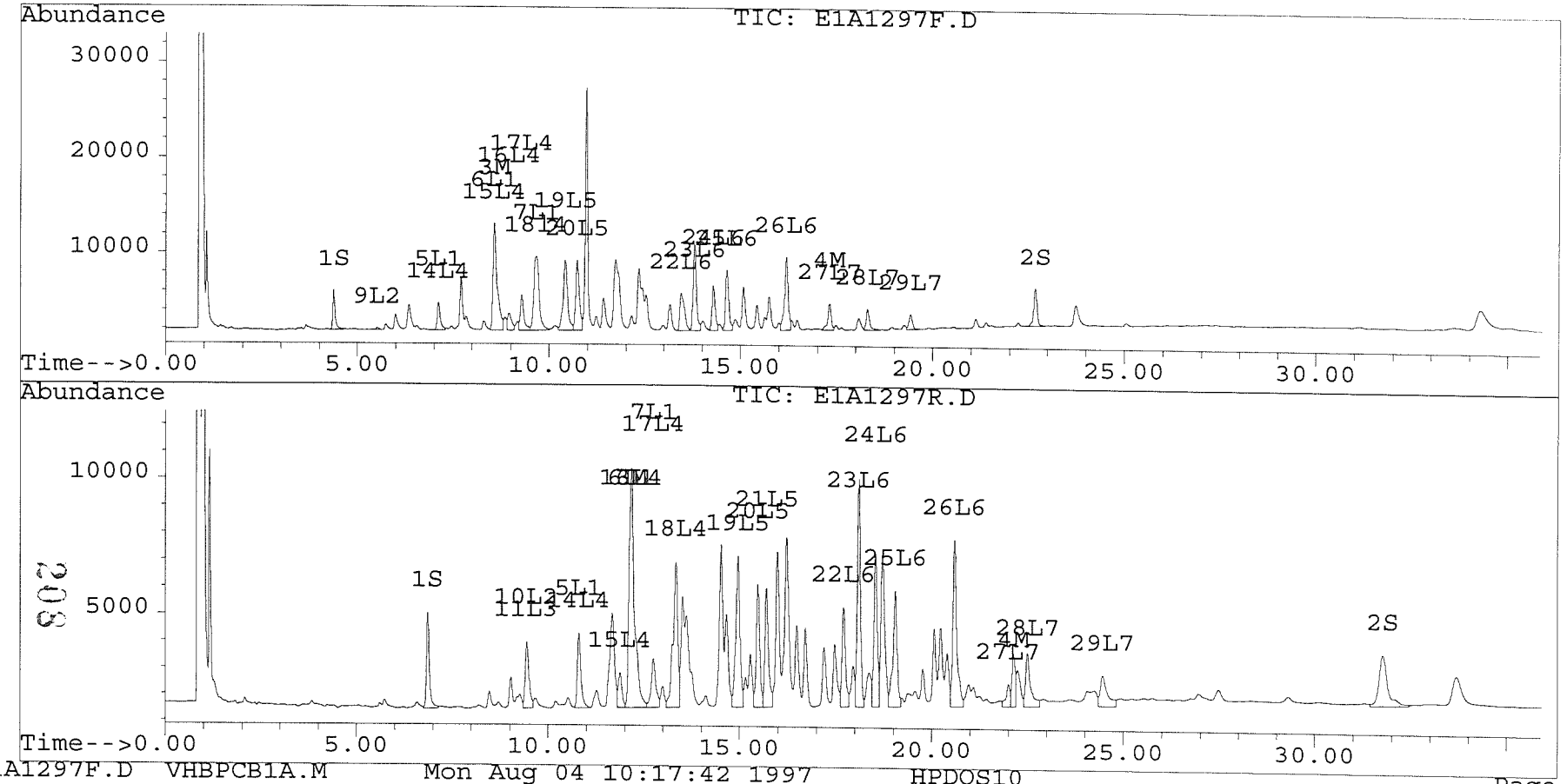
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1297F.D\E1A1297R.D
Acq On : 03 Aug 97 01:39 AM Operator: JS/GML
Sample : D1145-21,R3-C1,P0730-B2 Inst : E1
Misc : 0,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D\E1A1298R.D
Acq On : 03 Aug 97 02:19 AM Operator: JS/GML
Sample : D1145-21MS,R3-C1MS,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MS,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3768	3200	16.491	15.155
				Recovery	=	41.23%	37.89%
2) S	Decachlorobiphenyl	22.68	31.77	3654	1765	15.015	15.571
				Recovery	=	37.54%	38.93%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.56	12.17	89346	83977	1001.509	950.526
4) M	2,2',3,3',4,4'-Hexa	17.31	22.13	150499	139014	826.975	844.559
5) L1	Aroclor-1016	7.12	10.80	2942	2858	93.663	96.663
6) L1	Aroclor-1016 (2)	8.56	12.17	89346	83977	1970.485	2270.578
7) L1	Aroclor-1016 (3)	9.65	12.75	8389	2185	347.426	125.962 #
Total	Aroclor-1016			100678	89020	2411.574	2493.203
Average	Aroclor-1016					803.858	831.068
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	157	0	23.079	N.D. #
10) L2	Aroclor-1221 (3)	0.00	9.44f	0	2449	N.D.	151.669 #
Total	Aroclor-1221			157	2449	23.079	151.669
Average	Aroclor-1221					23.079	151.669
11) L3	Aroclor-1232	0.00	9.44f	0	2449	N.D.	167.812 #
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	2449	N.D.	167.812
Average	Aroclor-1232					0.000	167.812
14) L4	Aroclor-1242	7.12	10.80	2942	2858	80.522	82.271
15) L4	Aroclor-1242 (2)	8.56	11.87	89346	1313	1674.047	86.372 #
16) L4	Aroclor-1242 (3)	8.95	12.17	2526	83977	118.398	1952.930 #
17) L4	Aroclor-1242 (4)	9.28	12.75	4143	2185	236.276	108.035 #
18) L4	Aroclor-1242 (5)	9.65	13.34	8389	5789	297.715	299.339
Total	Aroclor-1242			107347	96122	2406.959	2528.948
Average	Aroclor-1242					481.392	505.790
19) L5	Aroclor-1248	10.42	14.96	7976	5763	296.894	382.567 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1298F.D VHBPCB1A.M Mon Aug 04 10:17:52 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D\E1A1298R.D
Acq On : 03 Aug 97 02:19 AM Operator: JS/GML
Sample : D1145-21MS,R3-C1MS,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MS,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.73	15.48	7871	4972	352.263	208.442 #
21) L5 Aroclor-1248 (3)	0.00	15.70	0	4883	N.D.	196.123 #
Total Aroclor-1248			15848	15619	649.157	787.133
Average Aroclor-1248					324.578	262.378
22) L6 Aroclor-1254	13.45	17.71	4549	4387	127.293	124.736
23) L6 Aroclor-1254 (2)	13.80	18.10	10392	9966	137.361	129.310
24) L6 Aroclor-1254 (3)	14.28	18.54	5729	6911	157.227	144.456
25) L6 Aroclor-1254 (4)	14.64	19.05	7593	4798	166.384	146.250
26) L6 Aroclor-1254 (5)	16.19	20.60	8664	7141	143.841	137.679
Total Aroclor-1254			36926	33203	732.105	682.431
Average Aroclor-1254					146.421	136.486
27) L7 Aroclor-1260	17.31	0.00	150499	0	4634.443	N.D. #
28) L7 Aroclor-1260 (2)	18.30	22.50	2292	2266	36.705	38.484
29) L7 Aroclor-1260 (3)	19.42	24.45	2832	1222	63.392	49.404
Total Aroclor-1260			155624	3488	4734.540	87.888
Average Aroclor-1260					1578.180	43.944

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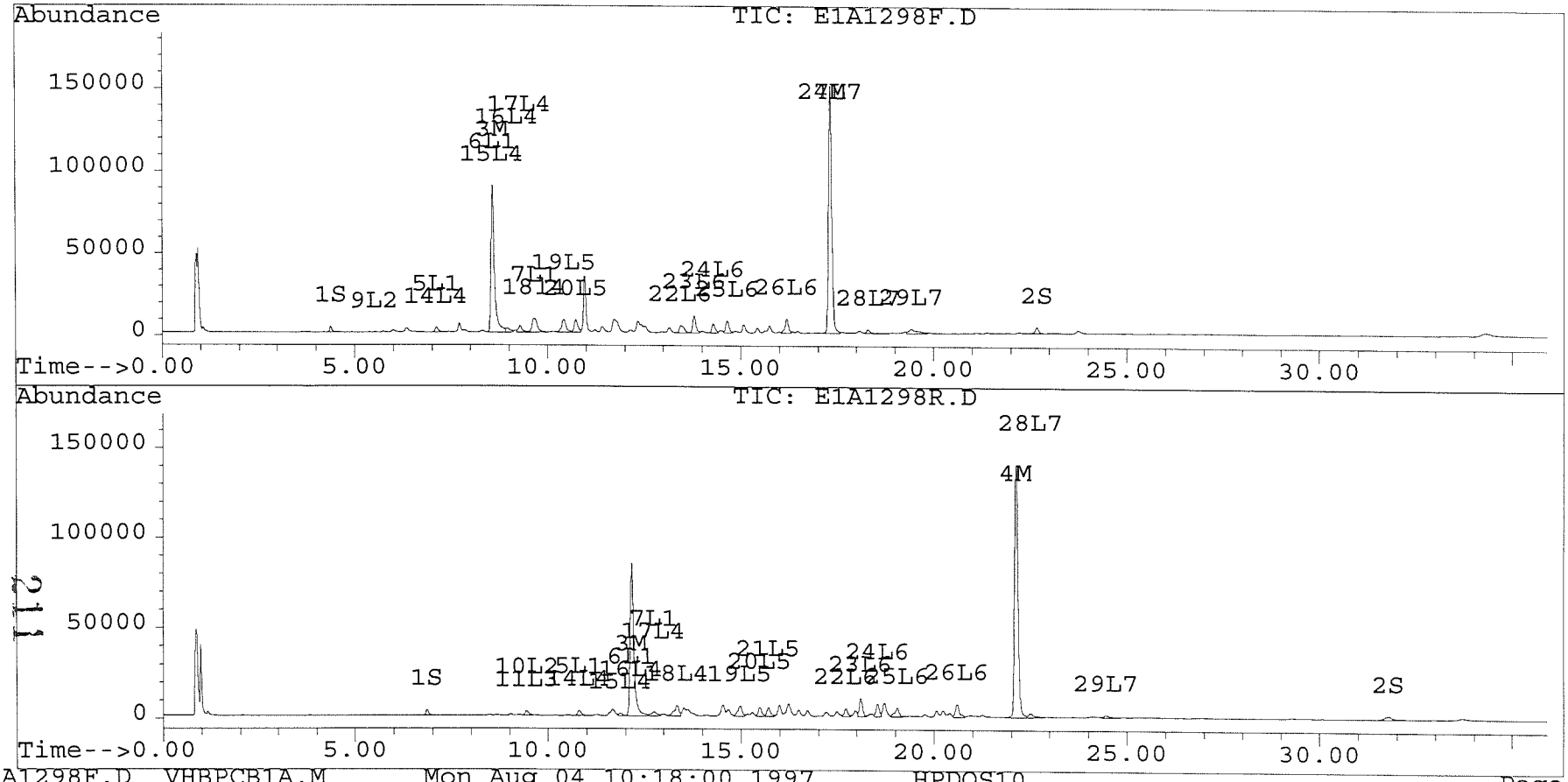
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1298F.D\E1A1298R.D
Acq On : 03 Aug 97 02:19 AM Operator: JS/GML
Sample : D1145-21MS,R3-C1MS,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MS,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D\E1A1299R.D
Acq On : 03 Aug 97 02:58 AM Operator: JS/GML
Sample : D1145-21MSD,R3-C1MSD,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MSD,2,,25000,,30,,,30-JUL-97,22-JUL-9 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3458	3184	15.136	15.080
					Recovery	=	37.84%	37.70%
2)	S	Decachlorobiphenyl	22.68	31.78	4386	2166	18.023	19.102
					Recovery	=	45.06%	47.76%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.56	12.16	261579	222518	2932.134	2518.657
4)	M	2,2',3,3',4,4'-Hexa	17.31	22.13	155436	139279	854.104	846.168
5)	L1	Aroclor-1016	7.11	10.80	74519	70569	2372.084	2386.665
6)	L1	Aroclor-1016 (2)	8.56	12.16	261579	222518	5769.019	6016.465
7)	L1	Aroclor-1016 (3)	9.67	12.75	112456	34527	4657.218	1990.679
		Total Aroclor-1016			448555	327614	12798.321	10393.809
		Average Aroclor-1016					4266.107	3464.603
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.51	0.00	814	0	119.776	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	9.43f	0	23053	N.D.	1427.749 #
		Total Aroclor-1221			814	23053	119.776	1427.749
		Average Aroclor-1221					119.776	1427.749
11)	L3	Aroclor-1232	0.00	9.43f	0	23053	N.D.	1579.718 #
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	23053	N.D.	1579.718
		Average Aroclor-1232					0.000	1579.718
14)	L4	Aroclor-1242	7.11	10.80	74519	70569	2039.299	2031.317
15)	L4	Aroclor-1242 (2)	8.56	11.87	261579	41510	4901.132	2730.781
16)	L4	Aroclor-1242 (3)	8.95	12.16	38384	222518	1799.199	5174.778
17)	L4	Aroclor-1242 (4)	9.27	12.75	84646	34527	4826.997	1707.374
18)	L4	Aroclor-1242 (5)	9.67	13.33	112456	74583	3990.847	3856.490
		Total Aroclor-1242			571584	443707	17557.475	15500.739
		Average Aroclor-1242					3511.495	3100.148
19)	L5	Aroclor-1248	10.41	14.96	119038	92303	4430.818	6126.950

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D\E1A1299R.D
Acq On : 03 Aug 97 02:58 AM Operator: JS/GML
Sample : D1145-21MSD,R3-C1MSD,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MSD,2,,25000,,30,,,30-JUL-97,22-JUL-9 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.72	15.48	127782	85731	5718.666	3594.319
21) L5 Aroclor-1248 (3)	11.77	15.70	115892	101425	4118.093	4073.349
Total Aroclor-1248			362712	279459	14267.578	13794.618
Average Aroclor-1248					4755.859	4598.206
22) L6 Aroclor-1254	13.45	17.71	37918	34831	1060.982	990.420
23) L6 Aroclor-1254 (2)	13.79	18.10	69028	65297	912.448	847.271
24) L6 Aroclor-1254 (3)	14.28	18.53	34587	44585	949.196	931.949
25) L6 Aroclor-1254 (4)	14.64	19.05	47660	22972	1044.370	700.223 #
26) L6 Aroclor-1254 (5)	16.19	20.60	41245	33790	684.790	651.432
Total Aroclor-1254			230438	201476	4651.785	4121.295
Average Aroclor-1254					930.357	824.259
27) L7 Aroclor-1260	17.31	0.00	155436	0	4786.477	N.D. #
28) L7 Aroclor-1260 (2)	18.30	22.50	12269	11030	196.470	187.301
29) L7 Aroclor-1260 (3)	19.42	24.45	10534	5527	235.771	223.442
Total Aroclor-1260			178240	16557	5218.717	410.743
Average Aroclor-1260					1739.572	205.372

This was not reported

213

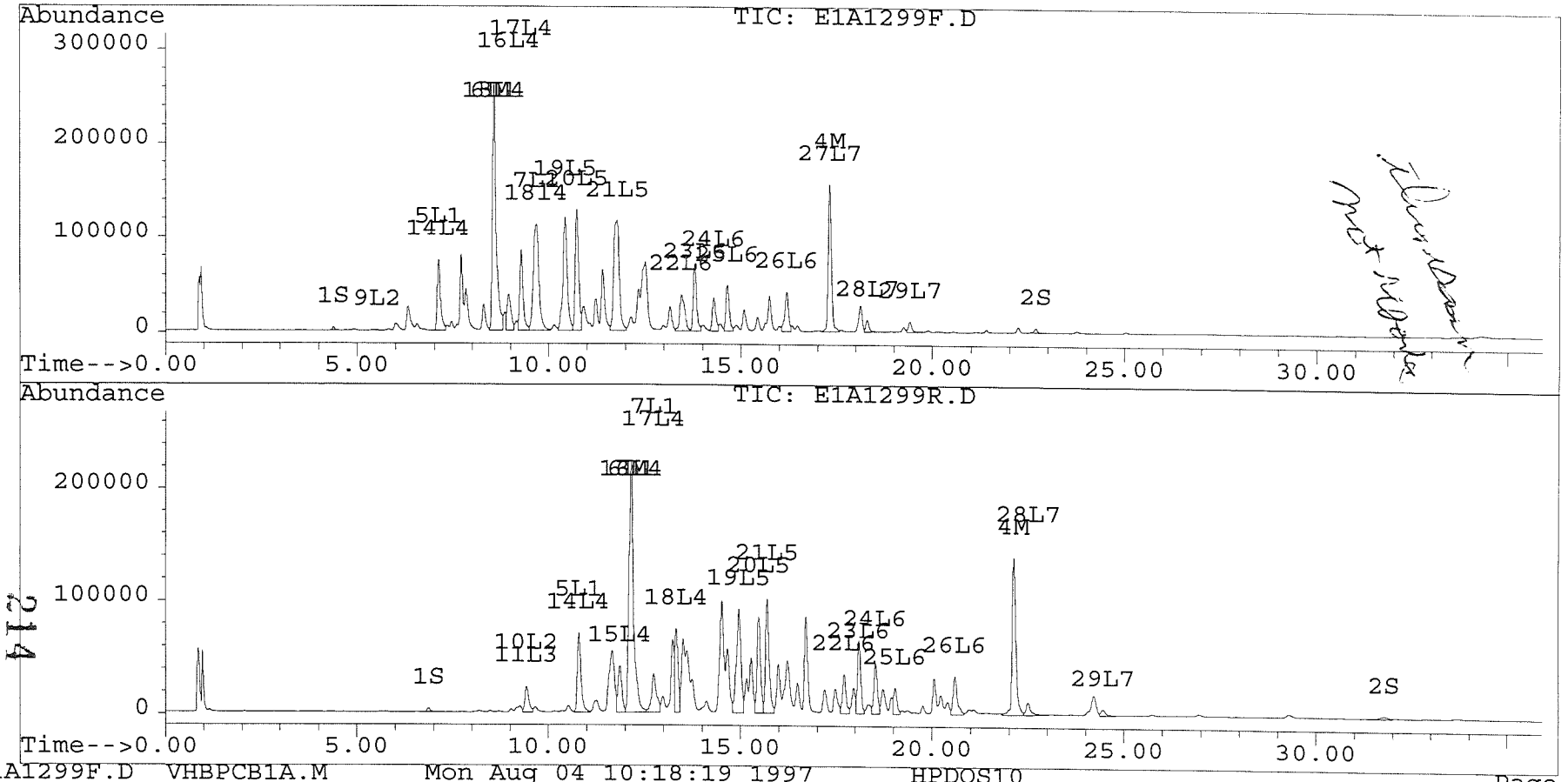
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1299F.D\E1A1299R.D
Acq On : 03 Aug 97 02:58 AM Operator: JS/GML
Sample : D1145-21MSD,R3-C1MSD,P0730-B2,,PCBCOG Inst : E1
Misc : 3,,MSD,2,,25000,,30,,,30-JUL-97,22-JUL-9 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D\E1A1300R.D
Acq On : 03 Aug 97 03:38 AM Operator: JS/GML
Sample : D1145-22,R4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3593	3188	15.728	15.096
				Recovery	=	39.32%	37.74%
2) S	Decachlorobiphenyl	22.68	31.77	4092	1419	16.816	12.514 #
				Recovery	=	42.04%	31.29%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.16	8690	7008	97.407	79.328
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	1779	1701	9.775	10.333
5) L1	Aroclor-1016	7.12	10.81	2228	2195	70.916	74.231
6) L1	Aroclor-1016 {2}	8.57	12.16	8690	7008	191.650	189.496
7) L1	Aroclor-1016 {3}	9.66	12.75	5888	1515	243.849	87.363 #
Total	Aroclor-1016			16806	10719	506.416	351.090
Average	Aroclor-1016					168.805	117.030
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	158	0	23.214	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			158	0	23.214	N.D.
Average	Aroclor-1221					23.214	0.000
11) L3	Aroclor-1232	0.00	9.44f	0	1682	N.D.	115.255 #
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	1682	N.D.	115.255
Average	Aroclor-1232					0.000	115.255
14) L4	Aroclor-1242	7.12	10.81	2228	2195	60.967	63.179
15) L4	Aroclor-1242 {2}	8.57	11.87	8690	1096	162.818	72.106 #
16) L4	Aroclor-1242 {3}	8.96	12.16	1489	7008	69.816	162.986 #
17) L4	Aroclor-1242 (4)	9.28	12.75	2935	1515	167.356	74.930 #
18) L4	Aroclor-1242 (5)	9.66	13.34	5888	4012	208.959	207.430
Total	Aroclor-1242			21230	15826	669.916	580.631
Average	Aroclor-1242					133.983	116.126
19) L5	Aroclor-1248	10.42	14.96	5639	4295	209.881	285.082 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1300F.D VHBPCB1A.M Mon Aug 04 10:18:28 1997 HPDOS10 Page 1

Quantitation Report

```
Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D      Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D\E1A1300R.D
Acq On    : 03 Aug 97  03:38 AM                      Operator: JS/GML
Sample    : D1145-22,R4-C1,P0730-B2                  Inst    : E1
Misc      : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97   Multiplr: 1.00
Quant Time: Aug  4 10:18 1997

Method        : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title         : VHB PCB 5  LEVEL RUN 7/29/97
Last Update   : Mon Aug 04 10:11:35 1997
Response via  : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	10.73	15.48	5579	3677	249.659	154.158	#
21) L5	Aroclor-1248 {3}	0.00	15.70	0	3670	N.D.	147.384	#
Total	Aroclor-1248			11217	11642	459.540	586.624	
Average	Aroclor-1248					229.770	195.541	
22) L6	Aroclor-1254	13.45	17.71	2730	2837	76.382	80.664	
23) L6	Aroclor-1254 {2}	13.80	18.10	6215	5940	82.150	77.078	
24) L6	Aroclor-1254 {3}	14.29	18.54	3171	4440	87.013	92.804	
25) L6	Aroclor-1254 (4)	14.65	19.05	4594	3160	100.673	96.314	
26) L6	Aroclor-1254 (5)	16.19	20.60	5029	4359	83.492	84.033	
Total	Aroclor-1254			21738	20735	429.710	430.893	
Average	Aroclor-1254					85.942	86.179	
27) L7	Aroclor-1260	17.32	22.00	1779	951	54.780	37.975	#
28) L7	Aroclor-1260 {2}	18.30	22.50	1477	1362	23.652	23.123	
29) L7	Aroclor-1260 {3}	19.42	24.46	1581	1516	35.391	61.274	#
Total	Aroclor-1260			4837	3828	113.823	122.372	
Average	Aroclor-1260					37.941	40.791	

better wt.

1242

AR $\frac{(163+167+209)\times\frac{5}{3}\times 25}{30\times 0.86} = 870$

AR 1254 $= \frac{431\times 25}{30\times 0.86} = 420$

K

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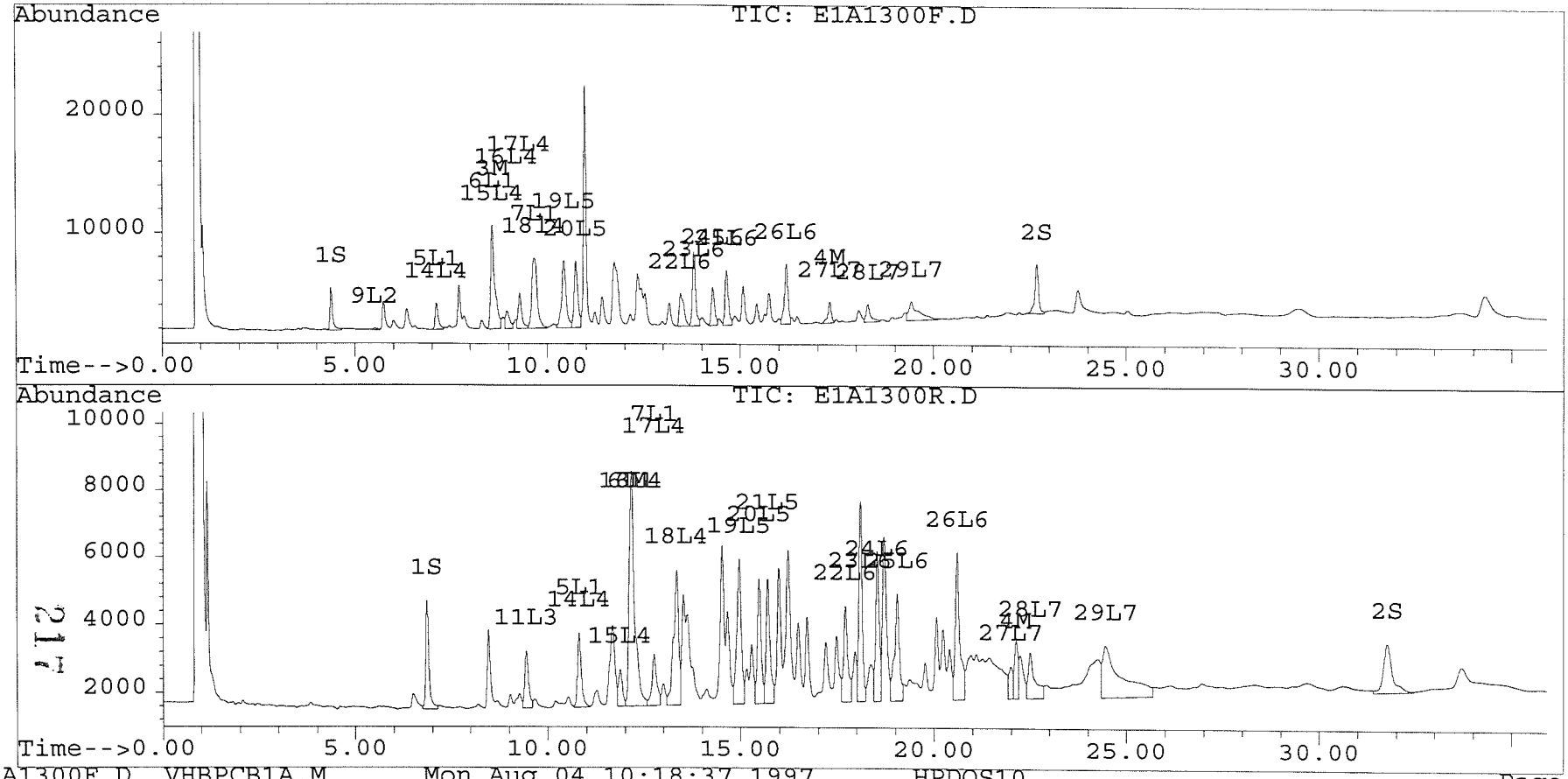
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D\E1A1300R.D
Acq On : 03 Aug 97 03:38 AM Operator: JS/GML
Sample : D1145-22,R4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3799	3373	16.629	15.972	
					Recovery	=	41.57%	~~39.93%~~	Sr
2)	S	Decachlorobiphenyl	22.68	31.77	3434	1569	14.113	13.839	
					Recovery	=	35.28%	34.60%	69
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.57	12.17	782	629	8.766	7.122	
4)	M	2,2',3,3',4,4'-Hexa	17.29	22.13	251	568	1.379	3.453	#
5)	L1	Aroclor-1016	7.13	10.81	323	297	10.289	10.051	
6)	L1	Aroclor-1016 (2)	8.57	12.17	782	629	17.247	17.012	
7)	L1	Aroclor-1016 (3)	9.67	12.76	628	226	25.997	13.003	#
		Total Aroclor-1016			1733	1152	53.533	40.066	
		Average Aroclor-1016					17.844	13.355	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 (2)	5.51	0.00	206	0	30.379	N.D.	#
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.	
		Total Aroclor-1221			206	0	30.379	N.D.	
		Average Aroclor-1221					30.379	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	7.13	10.81	323	297 BDL	8.845	8.555	
15)	L4	Aroclor-1242 (2)	8.57	11.87	782	231	14.653	15.175	
16)	L4	Aroclor-1242 (3)	8.95	12.17	287	629	13.454	14.632	
17)	L4	Aroclor-1242 (4)	9.28	12.76	392	226	22.365	11.152	#
18)	L4	Aroclor-1242 (5)	9.67	13.35	628	441	22.277	22.802	
		Total Aroclor-1242			2412	1824	81.593	72.316	
		Average Aroclor-1242					16.319	14.463	
19)	L5	Aroclor-1248	10.42	14.97	720	498	26.812	33.053	

218

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20)	L5 Aroclor-1248 {2}	10.72	15.48	859	364	38.424	15.280	#
21)	L5 Aroclor-1248 {3}	0.00	15.71	0	335	N.D.	13.460	#
Total	Aroclor-1248			1579	1198	65.236	61.792	
Average	Aroclor-1248					32.618	20.597	
22)	L6 Aroclor-1254	13.49f	17.71	345	345	9.648	9.822	
23)	L6 Aroclor-1254 {2}	13.80	18.10	672	558	8.888	7.239	
24)	L6 Aroclor-1254 {3}	14.29	18.54	386	470	10.607	9.829	
25)	L6 Aroclor-1254 (4)	14.65	19.05	503	399	11.020	12.176	
26)	L6 Aroclor-1254 (5)	16.20	20.61	422	536	7.004	10.339	#
Total	Aroclor-1254			2328	2309	47.167	49.406	
Average	Aroclor-1254					9.433	9.881	
27)	L7 Aroclor-1260	17.29	0.00	251	0	7.727	N.D.	#
28)	L7 Aroclor-1260 {2}	18.31	22.50	161	391	2.581	6.645	#
29)	L7 Aroclor-1260 {3}	0.00	24.47	0	415	N.D.	16.768	#
Total	Aroclor-1260			412	806	10.308	23.413	
Average	Aroclor-1260					5.154	11.706	

KC

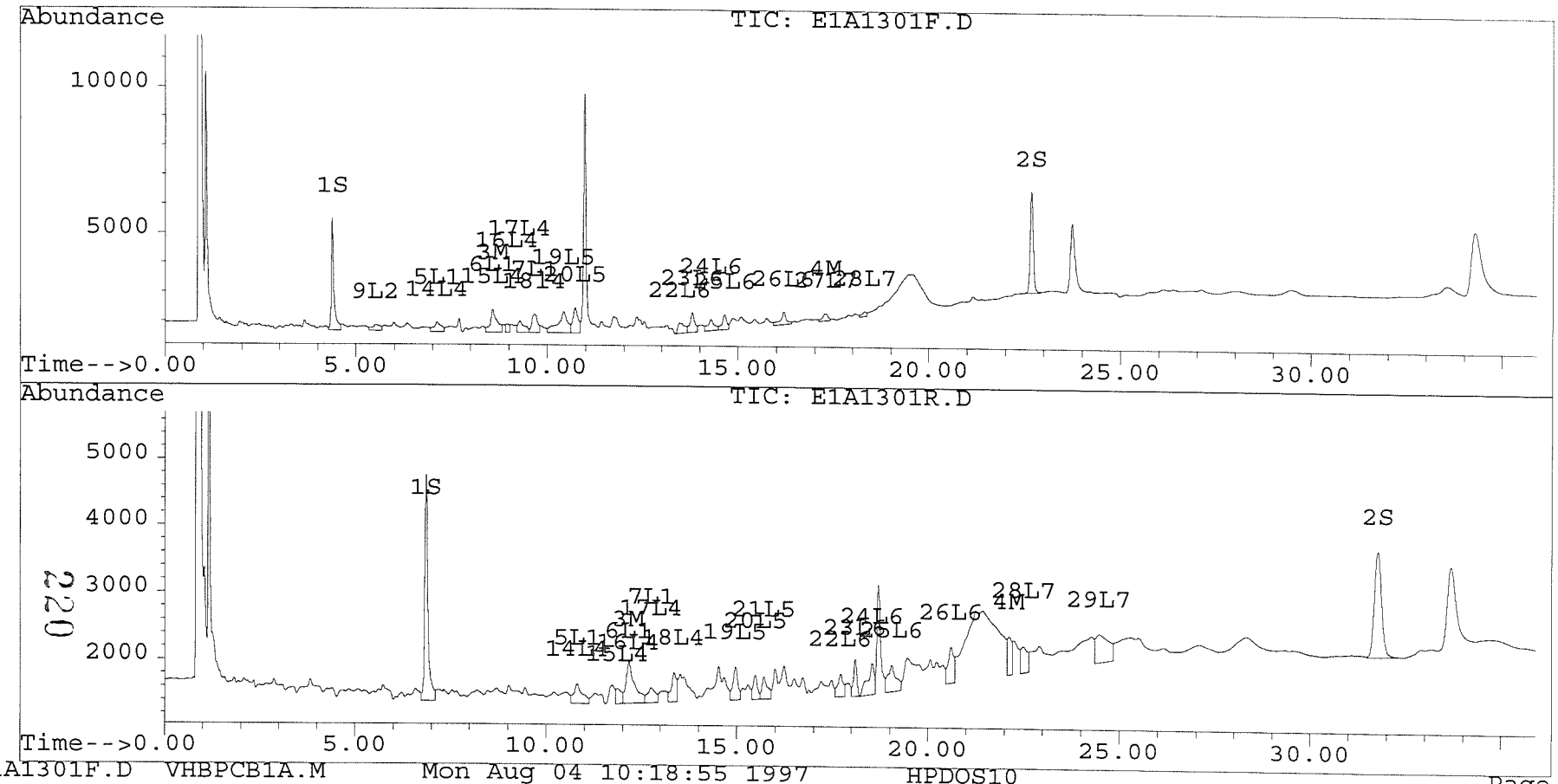
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3339	2997	14.615	14.191
				Recovery	=	36.54%	35.48%
2) S	Decachlorobiphenyl	22.68	31.78	3315	1632	13.624	14.393
				Recovery	=	34.06%	35.98%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.55	12.15	254007	200061	2847.257	2264.475
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	13550	10660	74.456	64.761
5) L1	Aroclor-1016	7.11	10.80	113823	104719	3623.200	3541.619
6) L1	Aroclor-1016 (2)	8.55	12.15	254007	200061	5602.022	5409.286
7) L1	Aroclor-1016 (3)	9.67	12.75	105875	68929	4384.676	3974.102
Total	Aroclor-1016			473705	373709	13609.898	12925.007
Average	Aroclor-1016					4536.633	4308.336
8) L2	Aroclor-1221	3.64f	0.00	389	0	48.494	N.D. #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	9.44f	0	4662	N.D.	288.724 #
Total	Aroclor-1221			389	4662	48.494	288.724
Average	Aroclor-1221					48.494	288.724
11) L3	Aroclor-1232	0.00	9.44f	0	4662	N.D.	319.456 #
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	4662	N.D.	319.456
Average	Aroclor-1232					0.000	319.456
14) L4	Aroclor-1242	7.11	10.80	113823	104719	3114.893	3014.310
15) L4	Aroclor-1242 (2)	8.55	11.87	254007	51039	4759.258	3357.622
16) L4	Aroclor-1242 (3)	8.94	12.15	78249	200061	3667.814	4652.542
17) L4	Aroclor-1242 (4)	9.27	12.75	95747	68929	5460.055	3408.525
18) L4	Aroclor-1242 (5)	9.67	13.33	105875	69000	3757.301	3567.802
Total	Aroclor-1242			647701	493748	20759.322	18000.801
Average	Aroclor-1242					4151.864	3600.160
19) L5	Aroclor-1248	10.41	14.97	105985	58575	3944.968	3888.087

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.72	15.48	88131	30239	3944.139	1267.783
21) L5	Aroclor-1248 {3}	0.00	15.70	0	37119	N.D.	1490.757 #
Total	Aroclor-1248			194116	125933	7889.107	6646.627
Average	Aroclor-1248					3944.553	2215.542
22) L6	Aroclor-1254	13.44	17.71	22834	21403	638.919	608.596
23) L6	Aroclor-1254 {2}	13.79	18.10	47430	45184	626.954	586.294
24) L6	Aroclor-1254 {3}	14.28	18.53	23119	31279	634.472	653.814
25) L6	Aroclor-1254 (4)	14.63	19.05	34414	20520	754.106	625.489
26) L6	Aroclor-1254 (5)	16.19	20.60	38656	32910	641.812	634.470
Total	Aroclor-1254			166453	151297	3296.263	3108.663
Average	Aroclor-1254					659.253	621.733
27) L7	Aroclor-1260	17.32	22.00	13550	3914	417.256	156.275 #
28) L7	Aroclor-1260 {2}	18.30	22.50	9486	8626	151.896	146.476
29) L7	Aroclor-1260 {3}	19.42	24.45	7189	4725	160.901	191.038
Total	Aroclor-1260			30225	17265	730.053	493.789
Average	Aroclor-1260					243.351	164.596

AR1242 = $\frac{18,020 \times 25}{30 \times 0.86}$ = 17000

AR1254 = $\frac{3109 \times 25}{30 \times 0.86}$ = 3000

223

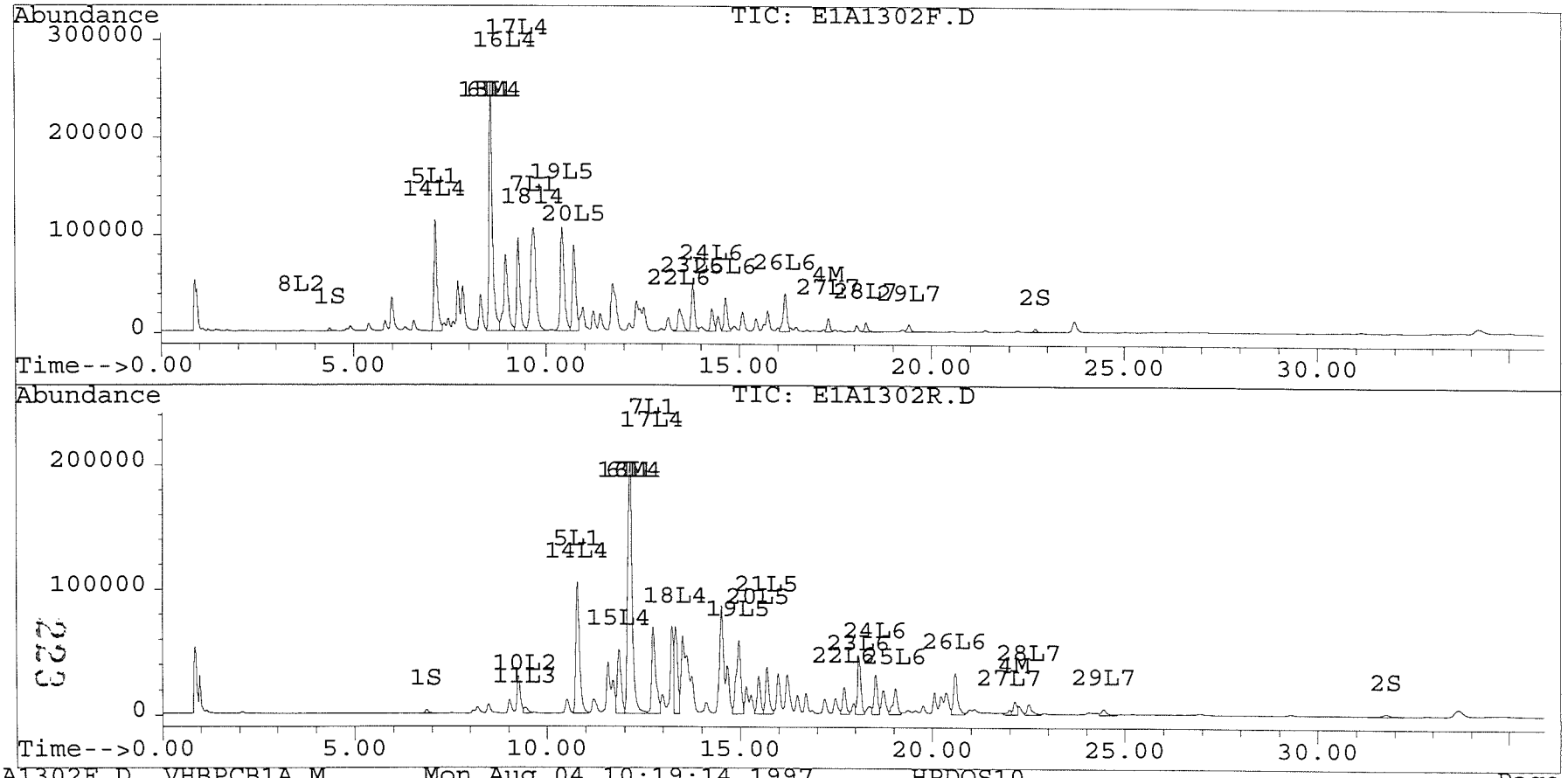
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	362	323	1.586m	1.529m
					Recovery	=	3.97%	3.82%
2)	S	Decachlorobiphenyl	22.70	31.82f	396	182	1.627	1.602m
					Recovery	=	4.07%	4.01%
		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	7.12	10.81	18622	17323	509.626	498.646
15)	L4	Aroclor-1242 {2}	8.57	11.89	37085	7635	694.848	502.243 #
16)	L4	Aroclor-1242 {3}	8.96	12.17	11531	28998	540.507	674.365
17)	L4	Aroclor-1242 (4)	9.29	12.77	13105	9960	747.299	492.541 #
18)	L4	Aroclor-1242 (5)	9.69	13.35	17620	11766	625.290	608.377
		Total Aroclor-1242			97963	75682	3117.570	2776.171
		Average Aroclor-1242					623.514	555.234
19)	L5	Aroclor-1248	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.

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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	13.46	17.73	2909	2791	81.396	79.361
23) L6 Aroclor-1254 {2}	13.81	18.12	6804	6123	89.938	79.448
24) L6 Aroclor-1254 {3}	14.30	18.55	3533	4264	96.966	89.137
25) L6 Aroclor-1254 (4)	14.66	19.07	4926	2989	107.945	91.103
26) L6 Aroclor-1254 (5)	16.21	20.62	5297	4365	87.945	84.147
Total Aroclor-1254			23469	20532	464.190	423.196
Average Aroclor-1254					92.838	84.639
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

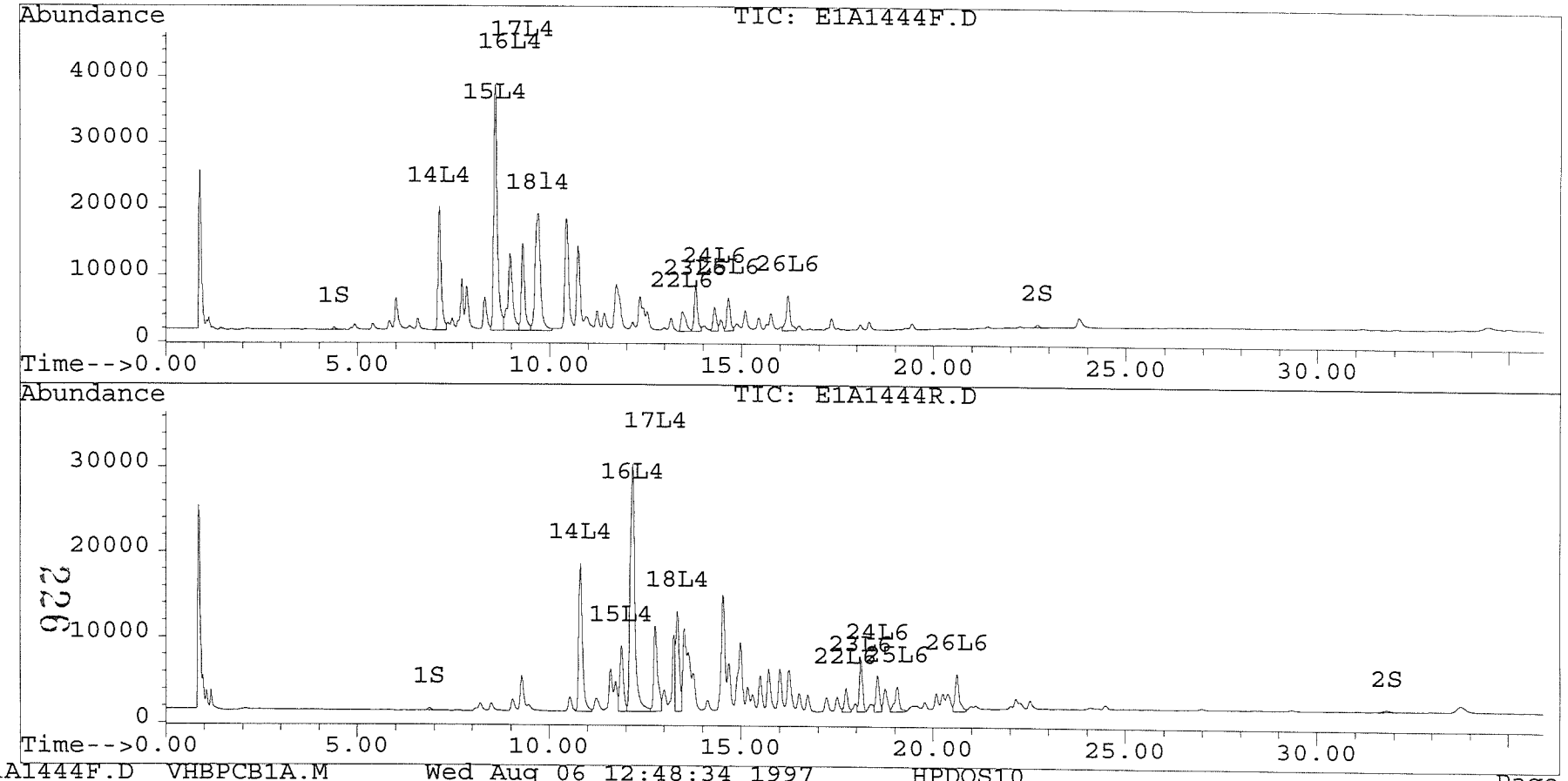
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3585	4280	15.691	20.268 #
				Recovery	=	~~39.23%~~	50.67%
2) S	Decachlorobiphenyl	22.68	31.77	3642	1504	14.966	13.268
				Recovery	=	37.42%	33.17%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.18	8198	7465	91.899	84.501
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	2453	2138	13.481	12.988
5) L1	Aroclor-1016	7.12	10.80	2206	1791	70.219	60.571
6) L1	Aroclor-1016 (2)	8.57	12.18	8198	7465	180.812	201.853
7) L1	Aroclor-1016 (3)	9.63f	12.72	11788	3943	488.189	227.323 #
Total	Aroclor-1016			22192	13199	739.220	489.746
Average	Aroclor-1016					246.407	163.249
8) L2	Aroclor-1221	3.62	0.00	69	0	8.554	N.D. #
9) L2	Aroclor-1221 (2)	0.00	8.59	0	145	N.D.	22.462 #
10) L2	Aroclor-1221 (3)	6.05f	9.43f	3086	18259	164.456	1130.847 #
Total	Aroclor-1221			3155	18405	173.010	1153.309
Average	Aroclor-1221					86.505	576.655
11) L3	Aroclor-1232	6.05f	9.43f	3086	18259	189.899	1251.214 #
12) L3	Aroclor-1232 (2)	7.23	0.00	1339	0	94.652	N.D. #
13) L3	Aroclor-1232 (3)	8.66	12.30	11784	9531	623.659	620.640
Total	Aroclor-1232			16209	27790	908.210	1871.854
Average	Aroclor-1232					302.737	935.927
14) L4	Aroclor-1242	7.12	10.80	2206	1791	60.368	51.552
15) L4	Aroclor-1242 (2)	8.57	0.00	8198	0	153.611	N.D. #
16) L4	Aroclor-1242 (3)	8.94	12.18	1811	7465	84.876	173.614 #
17) L4	Aroclor-1242 (4)	9.28	12.72	3486	3943	198.796	194.971
18) L4	Aroclor-1242 (5)	9.63f	13.34	11788	5509	418.337	284.839 #
Total	Aroclor-1242			27489	18708	915.988	704.976
Average	Aroclor-1242					183.198	176.244
19) L5	Aroclor-1248	10.41	14.95	9358	13939	348.327	925.250 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	16117	4573	721.298	191.744 #
21) L5	Aroclor-1248 {3}	11.79	15.70	7040	4903	250.156	196.921
Total	Aroclor-1248			32515	23416	1319.782	1313.914
Average	Aroclor-1248					439.927	437.971
22) L6	Aroclor-1254	13.45	17.71	4629	3925	129.533	111.609
23) L6	Aroclor-1254 {2}	13.80	18.10	9542	8572	126.131	111.231
24) L6	Aroclor-1254 {3}	14.29	18.54	4404	5219	120.873	109.092
25) L6	Aroclor-1254 (4)	14.65	19.05	5329	3828	116.764	116.691
26) L6	Aroclor-1254 (5)	16.19	20.61	6587	6363	109.370	122.678
Total	Aroclor-1254			30492	27908	602.671	571.300
Average	Aroclor-1254					120.534	114.260
27) L7	Aroclor-1260	17.32	22.00	2453	1157	75.548	46.203 #
28) L7	Aroclor-1260 {2}	18.30	22.50	2381	1857	38.127	31.542
29) L7	Aroclor-1260 {3}	19.42	24.45	1831	1205	40.980	48.727
Total	Aroclor-1260			6665	4220	154.655	126.472
Average	Aroclor-1260					51.552	42.157

AR1254 = $\frac{571.3 \times 25}{30 \times 0.92} = 520$

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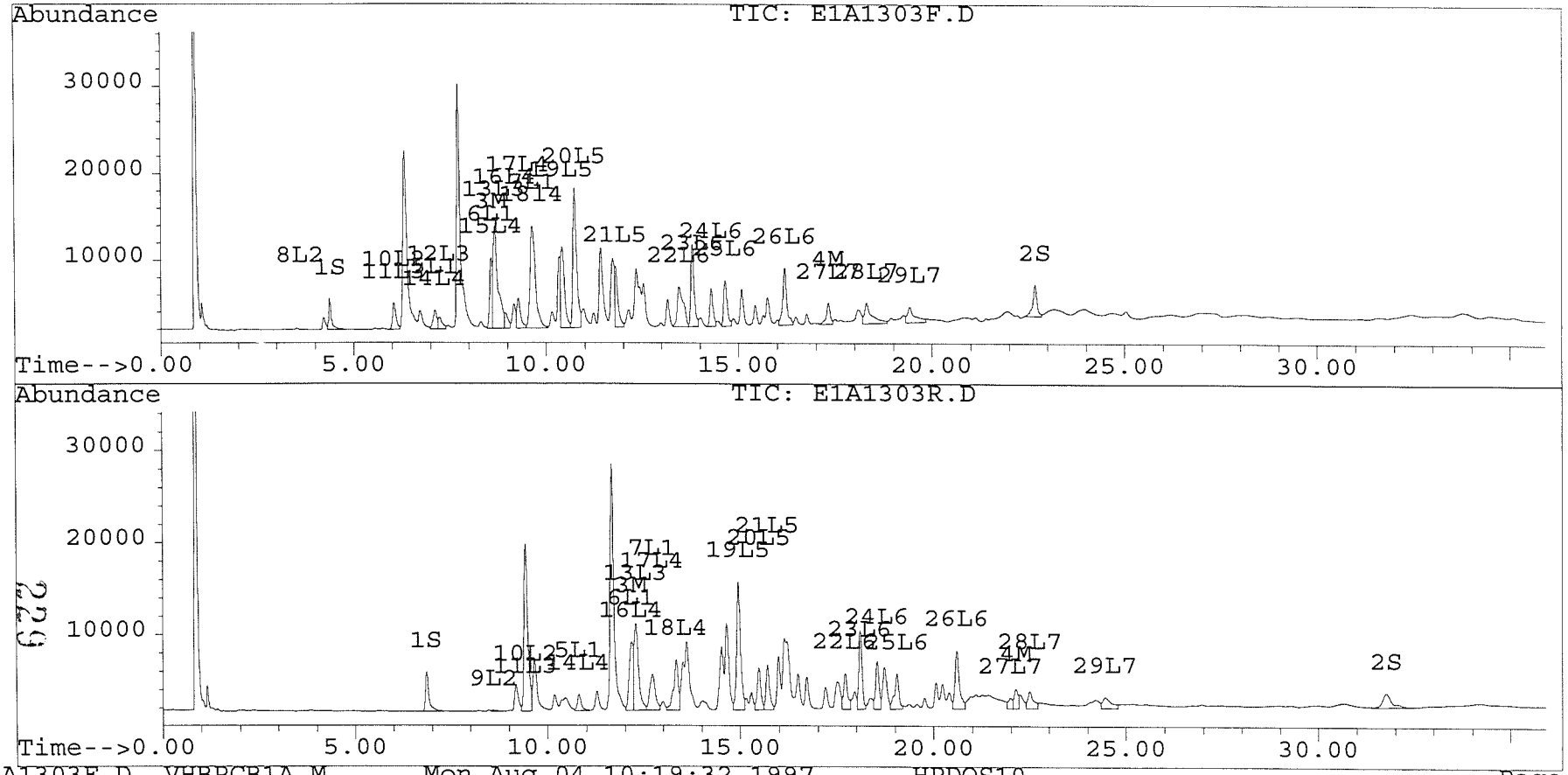
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1303F.D VHBPCB1A.M Mon Aug 04 10:19:24 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3472	3168	15.196	15.001
				Recovery	=	37.99%	37.50%
2) S	Decachlorobiphenyl	22.68	31.77	3381	1665	13.895	14.689
				Recovery	=	34.74%	36.72%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	22397	18590	251.053	210.416
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	4588	3864	25.213	23.477
5) L1	Aroclor-1016	7.12	10.80	5411	5106	172.257	172.672
6) L1	Aroclor-1016 {2}	8.57	12.17	22397	18590	493.950	502.632
7) L1	Aroclor-1016 {3}	9.66	12.74	15919	4599	659.255	265.128 #
Total	Aroclor-1016			43727	28294	1325.462	940.433
Average	Aroclor-1016					441.821	313.478
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	74	0	10.892	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.44f	0	7810	N.D.	483.669 #
Total	Aroclor-1221			74	7810	10.892	483.669
Average	Aroclor-1221					10.892	483.669
11) L3	Aroclor-1232	0.00	9.44f	0	7810	N.D.	535.151 #
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	7810	N.D.	535.151
Average	Aroclor-1232					0.000	535.151
14) L4	Aroclor-1242	7.12	10.80	5411	5106	148.091	146.963
15) L4	Aroclor-1242 {2}	8.57	11.87	22397	2715	419.641	178.624 #
16) L4	Aroclor-1242 {3}	8.95	12.17	3982	18590	186.652	432.315 #
17) L4	Aroclor-1242 (4)	9.28	12.74	8106	4599	462.260	227.397 #
18) L4	Aroclor-1242 (5)	9.66	13.34	15919	10515	564.926	543.729
Total	Aroclor-1242			55815	41525	1781.569	1529.027
Average	Aroclor-1242					356.314	305.805
19) L5	Aroclor-1248	10.42	14.96	14790	13800	550.503	915.991 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	17037	9142	762.477	383.278 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	8896	N.D.	357.264 #
Total Aroclor-1248			31827	31837	1312.980	1656.532
Average Aroclor-1248					656.490	552.177
22) L6 Aroclor-1254	13.45	17.71	7812	7307	218.579	207.782
23) L6 Aroclor-1254 {2}	13.80	18.10	17290	16045	228.547	208.188
24) L6 Aroclor-1254 {3}	14.29	18.54	8338	11078	228.836	231.563
25) L6 Aroclor-1254 (4)	14.65	19.05	11905	7759	260.875	236.511
26) L6 Aroclor-1254 (5)	16.19	20.60	13660	11180	226.800	215.530
Total Aroclor-1254			59005	53369	1163.637	1099.574
Average Aroclor-1254					232.727	219.915
27) L7 Aroclor-1260	17.32	22.00	4588	1756	141.294	70.101 #
28) L7 Aroclor-1260 {2}	18.30	22.50	3170	2998	50.757	50.906
29) L7 Aroclor-1260 {3}	19.42	24.45	2678	2793	59.928	112.904 #
Total Aroclor-1260			10436	7546	251.979	233.911
Average Aroclor-1260					83.993	77.970

$AR\ 1242 = \frac{(420+462+565)\times\frac{5}{5}\times 25}{30\times 0.85} = 2400$

$AR\ 1254 = \frac{1099.6\times 25}{30\times 0.85} = 1100$

231

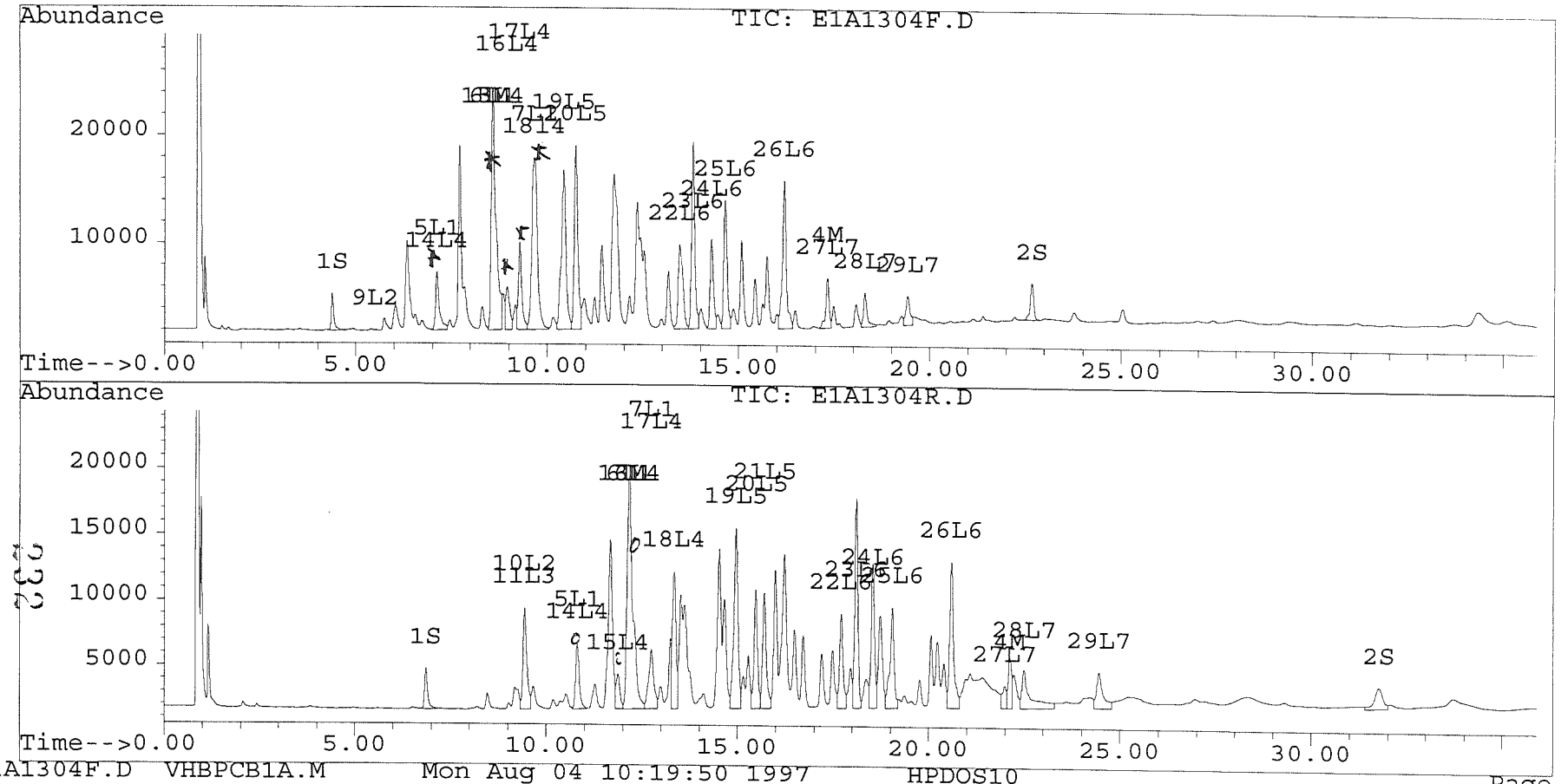
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3792	3342	16.599	15.828
				Recovery	=	41.50%	39.57%
2) S	Decachlorobiphenyl	22.68	31.77	3450	1698	14.176	14.975
				Recovery	=	35.44%	37.44%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	1420	1104	15.922	12.501
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	550	570	3.025	3.462
5) L1	Aroclor-1016	7.12	10.81	457	433	14.562	14.656
6) L1	Aroclor-1016 (2)	8.58	12.17	1420	1104	31.326	29.862
7) L1	Aroclor-1016 (3)	9.66	12.75	1151	339	47.668	19.529 #
Total	Aroclor-1016			3029	1876	93.556	64.046
Average	Aroclor-1016					31.185	21.349
8) L2	Aroclor-1221	0.00	6.04f	0	32	N.D.	4.499 #
9) L2	Aroclor-1221 (2)	5.51	0.00	203	0	29.933	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			203	32	29.933	4.499
Average	Aroclor-1221					29.933	4.499
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	7.12	10.81	457	433	12.519	12.473
15) L4	Aroclor-1242 (2)	8.58	11.87	1420	296	26.613	19.502 #
16) L4	Aroclor-1242 (3)	8.96	12.17	427	1104	20.011	25.684 #
17) L4	Aroclor-1242 (4)	9.29	12.75	618	339	35.221	16.750 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1151	800	40.847	41.365
Total	Aroclor-1242			4073	2973	135.211	115.774
Average	Aroclor-1242					27.042	23.155
19) L5	Aroclor-1248	10.42	14.97	1210	747	45.025	49.569

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	1193	766	53.394	32.111 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	626	N.D.	25.160 #
Total	Aroclor-1248			2403	2139	98.419	106.840
Average	Aroclor-1248					49.210	35.613
22) L6	Aroclor-1254	13.46	17.71	719	690	20.123	19.633
23) L6	Aroclor-1254 {2}	13.80	18.10	1613	1374	21.317	17.825
24) L6	Aroclor-1254 {3}	14.29	18.54	926	1064	25.422	22.241
25) L6	Aroclor-1254 (4)	14.65	19.05	1243	831	27.230	25.333
26) L6	Aroclor-1254 (5)	16.20	20.60	1271	1165	21.109	22.456
Total	Aroclor-1254			5772	5124	115.202	107.487
Average	Aroclor-1254					23.040	21.497
27) L7	Aroclor-1260	17.31	22.00	550	396	16.950	15.794
28) L7	Aroclor-1260 {2}	18.30	22.50	346	561	5.541	9.531 #
29) L7	Aroclor-1260 {3}	19.42	24.47	242	398	5.415	16.082 #
Total	Aroclor-1260			1138	1355	27.907	41.407
Average	Aroclor-1260					9.302	13.802

below RBL

$AR1242 = \frac{(26.6 + 35.2 + 40.8) \times \frac{5}{5} \times 25}{30 \times 0.85} = 170$

$AR1262 = \frac{107.5 \times 25}{30 \times 0.85} \approx 110$

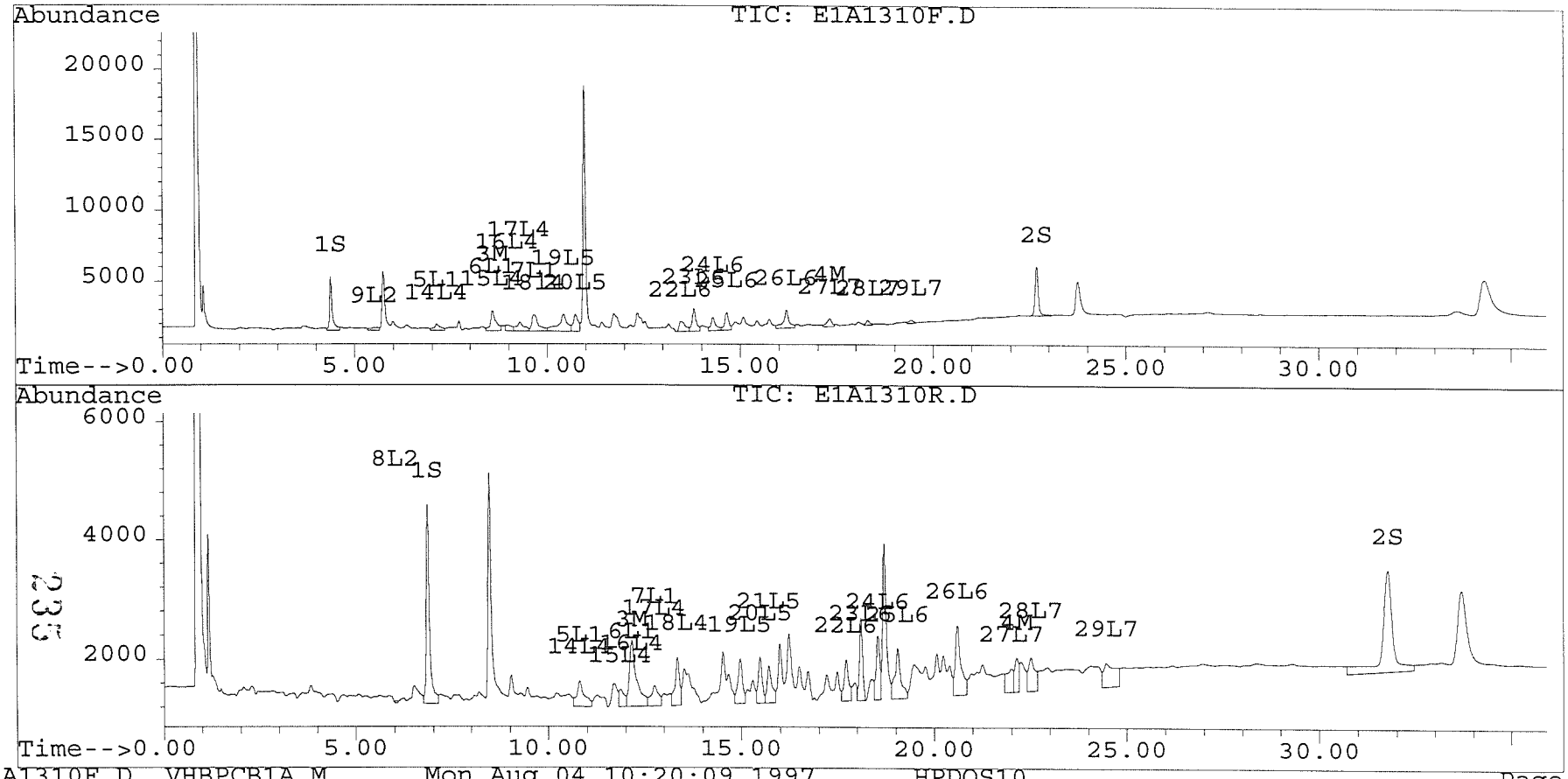
BRL not NP

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3218	2900	14.084	13.731
				Recovery	=	35.21%	34.33%
2) S	Decachlorobiphenyl	22.68	31.77	3253	1600	13.367	14.113
				Recovery	=	33.42%	35.28%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	2042	1769	22.891	20.025
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	529	570	2.909	3.464
5) L1	Aroclor-1016	7.13	10.81	367	434	11.685	14.665 #
6) L1	Aroclor-1016 (2)	8.58	12.17	2042	1769	45.038	47.834
7) L1	Aroclor-1016 (3)	9.66	12.75	1385	456	57.376	26.281 #
Total	Aroclor-1016			3795	2659	114.099	88.780
Average	Aroclor-1016					38.033	29.593
8) L2	Aroclor-1221	3.63f	0.00	174	0	21.722	N.D. #
9) L2	Aroclor-1221 (2)	5.52	0.00	93	0	13.745	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			267	0	35.468	N.D.
Average	Aroclor-1221					17.734	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	7.13	10.81	367	434	10.046	12.482
15) L4	Aroclor-1242 (2)	8.58	11.87	2042	275	38.263	18.068 #
16) L4	Aroclor-1242 (3)	8.96	12.17	393	1769	18.403	41.142 #
17) L4	Aroclor-1242 (4)	9.29	12.75	680	456	38.781	22.541 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1385	941	49.166	48.636
Total	Aroclor-1242			4867	3874	154.659	142.868
Average	Aroclor-1242					30.932	28.574
19) L5	Aroclor-1248	10.42	14.97	1290	1166	48.009	77.393 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	10.73	15.49	1451	990	64.957	41.501	#
21) L5	Aroclor-1248 {3}	11.74f	15.71	1426	962	50.676	38.644	
Total	Aroclor-1248			4167	3118	163.642	157.538	
Average	Aroclor-1248					54.547	52.513	
22) L6	Aroclor-1254	13.46	17.71	723	706	20.240	20.065	
23) L6	Aroclor-1254 {2}	13.80	18.10	1635	1458	21.611	18.916	
24) L6	Aroclor-1254 {3}	14.29	18.54	873	1177	23.955	24.601	
25) L6	Aroclor-1254 (4)	14.65	19.05	1246	830	27.298	25.288	
26) L6	Aroclor-1254 (5)	16.20	20.60	1266	1281	21.027	24.699	
Total	Aroclor-1254			5743	5451	114.131	113.568	BR
Average	Aroclor-1254					22.826	22.714	
27) L7	Aroclor-1260	17.32	22.00	529	392	16.301	15.660	
28) L7	Aroclor-1260 {2}	18.30	22.50	363	593	5.807	10.072	#
29) L7	Aroclor-1260 {3}	19.42	24.49f	314	444	7.023	17.943	#
Total	Aroclor-1260			1206	1429	29.131	43.676	
Average	Aroclor-1260					9.710	14.559	

$$AR\ 1242 = \frac{(38.263 + 35.75 + 49.17) \times \frac{5}{3} \times 2}{30 \times 0.9}$$

$$= 190$$

237

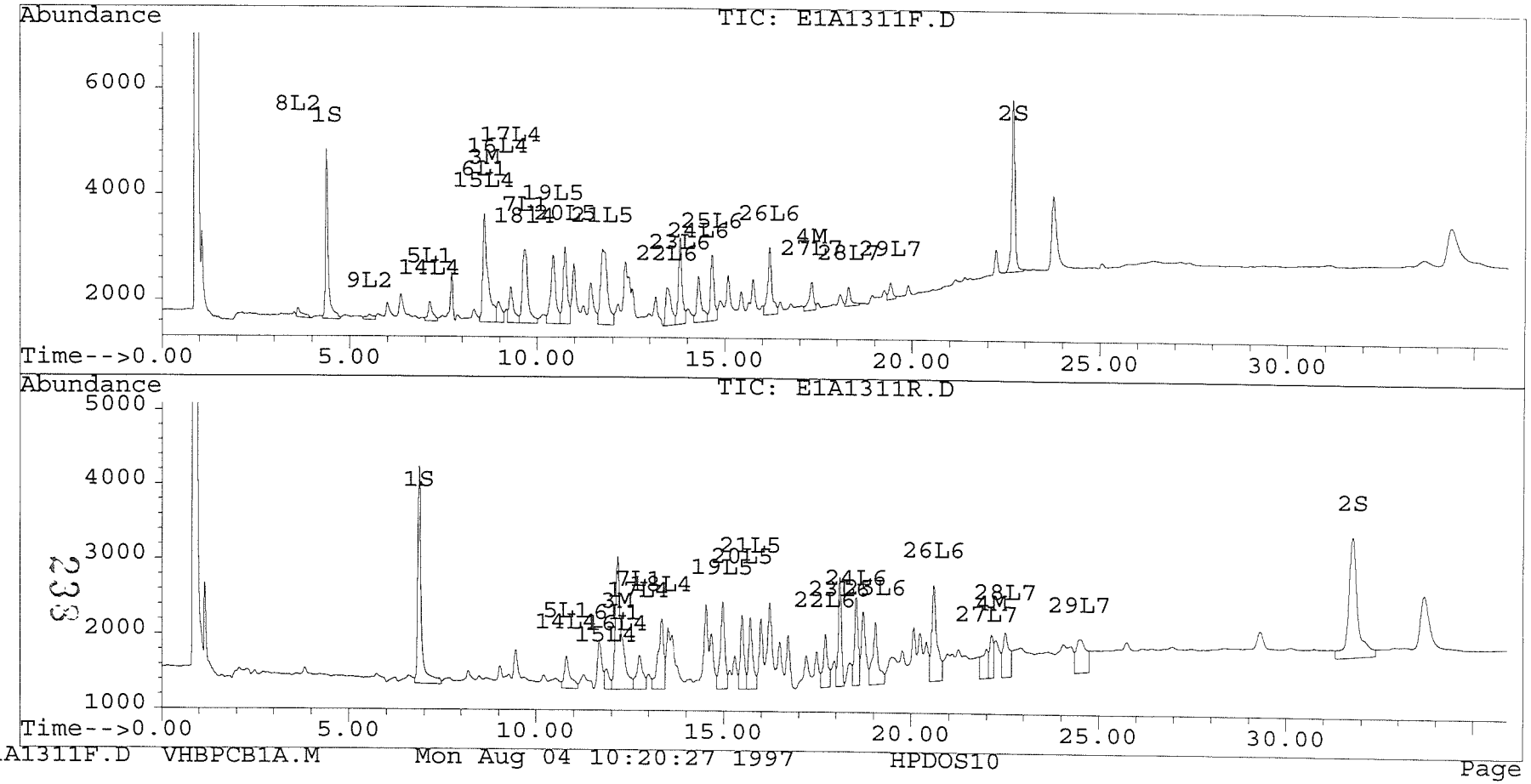
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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



233

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3815	3489	16.699	16.524
				Recovery	=	41.75%	41.31%
2) S	Decachlorobiphenyl	22.68	31.77	3563	1714	14.643	15.123
				Recovery	=	36.61%	37.81%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	8882	7253	99.557	82.095
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	1837	1637	10.093	9.945
5) L1	Aroclor-1016	7.12	10.80	2333	2216	74.273	74.948
6) L1	Aroclor-1016 {2}	8.57	12.17	8882	7253	195.879	196.106
7) L1	Aroclor-1016 {3}	9.64f	12.74	6860	2691	284.091	155.159 #
Total	Aroclor-1016			18075	12160	554.243	426.213
Average	Aroclor-1016					184.748	142.071
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	70	0	10.239	N.D. #
10) L2	Aroclor-1221 {3}	6.05f	9.43f	1441	6139	76.764	380.206 #
Total	Aroclor-1221			1510	6139	87.003	380.206
Average	Aroclor-1221					43.502	380.206
11) L3	Aroclor-1232	6.05f	9.43f	1441	6139	88.640	420.675 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.66	12.29	5932	4496	313.927	292.745
Total	Aroclor-1232			7372	10635	402.567	713.420
Average	Aroclor-1232					201.284	356.710
14) L4	Aroclor-1242	7.12	10.80	2333	2216	63.853	63.789
15) L4	Aroclor-1242 {2}	8.57	11.87	8882	1343	166.411	88.327 #
16) L4	Aroclor-1242 {3}	8.95	12.17	1767	7253	82.806	168.671 #
17) L4	Aroclor-1242 (4)	9.28	12.74	3034	2691	173.041	133.077
18) L4	Aroclor-1242 (5)	9.64	13.34	6860	3949	243.443	204.209
Total	Aroclor-1242			22876	17452	729.554	658.074
Average	Aroclor-1242					145.911	131.615
19) L5	Aroclor-1248	10.41	14.96	5980	7676	222.592	509.514 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1312F.D VHBPCB1A.M Mon Aug 04 10:20:37 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	8693	3810	389.043	159.733 #
21) L5	Aroclor-1248 {3}	0.00	15.70	0	3640	N.D.	146.171 #
Total	Aroclor-1248			14673	15125	611.635	815.418
Average	Aroclor-1248					305.818	271.806
22) L6	Aroclor-1254	13.45	17.71	3092	2651	86.516	75.394
23) L6	Aroclor-1254 {2}	13.80	18.10	6527	5916	86.276	76.769
24) L6	Aroclor-1254 {3}	14.29	18.54	3149	4319	86.413	90.272
25) L6	Aroclor-1254 (4)	14.64	19.05	4734	2942	103.742	89.690
26) L6	Aroclor-1254 (5)	16.19	20.60	5108	4212	84.807	81.199
Total	Aroclor-1254			22610	20041	447.754	413.324
Average	Aroclor-1254					89.551	82.665
27) L7	Aroclor-1260	17.32	22.00	1837	821	56.560	32.792 #
28) L7	Aroclor-1260 {2}	18.30	22.50	1231	1317	19.711	22.370
29) L7	Aroclor-1260 {3}	19.42	24.45	964	755	21.565	30.532 #
Total	Aroclor-1260			4031	2894	97.835	85.695
Average	Aroclor-1260					32.612	28.565

$AR_{1242} = \frac{(166 + 173 + 2\times4) \times \frac{5}{3} \times 25}{30 \times 0.83} = 980$

$AR_{1254/1260} = \frac{413 \times 25}{30 \times 0.83} \sim 410$

240

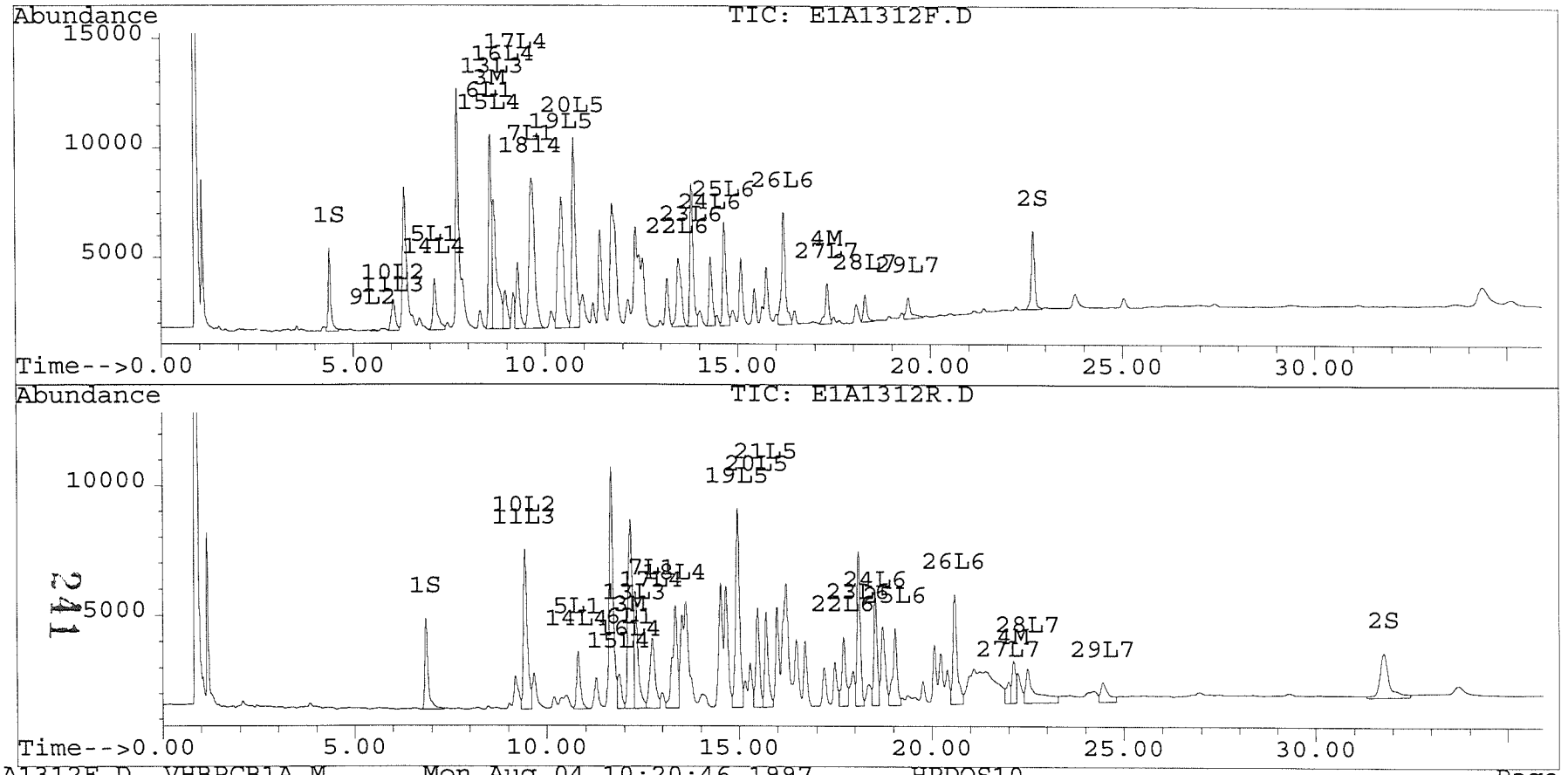
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4028	3491	17.632	16.531
				Recovery	=	44.08%	41.33%
2) S	Decachlorobiphenyl	22.68	31.78	3542	1765	14.555	15.568
				Recovery	=	36.39%	38.92%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.16	4725	3661	52.960	41.435
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	1361	1043	7.481	6.335
5) L1	Aroclor-1016	7.12	10.80	1115	1058	35.490	35.782
6) L1	Aroclor-1016 (2)	8.57	12.16	4725	3661	104.200	98.979
7) L1	Aroclor-1016 (3)	9.65	12.75	3486	846	144.360	48.771 #
Total	Aroclor-1016			9325	5565	284.051	183.532
Average	Aroclor-1016					94.684	61.177
8) L2	Aroclor-1221	3.64f	0.00	724	0	90.280	N.D. #
9) L2	Aroclor-1221 (2)	5.51	0.00	365	0	53.656	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			1088	0	143.936	N.D.
Average	Aroclor-1221					71.968	0.000
11) L3	Aroclor-1232	0.00	9.44f	0	1051	N.D.	72.037 #
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	1051	N.D.	72.037
Average	Aroclor-1232					0.000	72.037
14) L4	Aroclor-1242	7.12	10.80	1115	1058	30.511	30.454
15) L4	Aroclor-1242 (2)	8.57	11.87	4725	583	88.524	38.323 #
16) L4	Aroclor-1242 (3)	8.95	12.16	869	3661	40.752	85.132 #
17) L4	Aroclor-1242 (4)	9.28	12.75	1695	846	96.635	41.830 #
18) L4	Aroclor-1242 (5)	9.65	13.34	3486	2325	123.705	120.205
Total	Aroclor-1242			11889	8472	380.127	315.945
Average	Aroclor-1242					76.025	63.189
19) L5	Aroclor-1248	10.42	14.96	3367	2433	125.309	161.502 #

242

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.73	15.48	3511	2072	157.128	86.853 #
21) L5 Aroclor-1248 (3)	0.00	15.70	0	1930	N.D.	77.494 #
Total Aroclor-1248			6878	6434	282.437	325.849
Average Aroclor-1248					141.218	108.616
22) L6 Aroclor-1254	13.45	17.71	1877	1686	52.522	47.944
23) L6 Aroclor-1254 (2)	13.79	18.10	4295	3718	56.779	48.249
24) L6 Aroclor-1254 (3)	14.29	18.52	2245	3140	61.620	65.640
25) L6 Aroclor-1254 (4)	14.64	19.05	3179	2063	69.662	62.892
26) L6 Aroclor-1254 (5)	16.23f	20.60	11091	3216	184.142	61.999 #
Total Aroclor-1254			22688	13824	424.724	286.724
Average Aroclor-1254					84.945	57.345
27) L7 Aroclor-1260	17.31	22.00	1361	622	41.925	24.816 #
28) L7 Aroclor-1260 (2)	18.30	22.50	1051	1142	16.823	19.397
29) L7 Aroclor-1260 (3)	19.42	24.45	1490	714	33.348	28.860
Total Aroclor-1260			3902	2478	92.096	73.073
Average Aroclor-1260					30.699	24.358

$AR1242 = \frac{(88.5 + 96.6 + 123.1) \times \frac{5}{3} \times 25}{30 \times 0.85} = \frac{}{500}$

$AR1254 = \frac{286.7 \times 25}{30 \times 0.85} \sim 280$

243

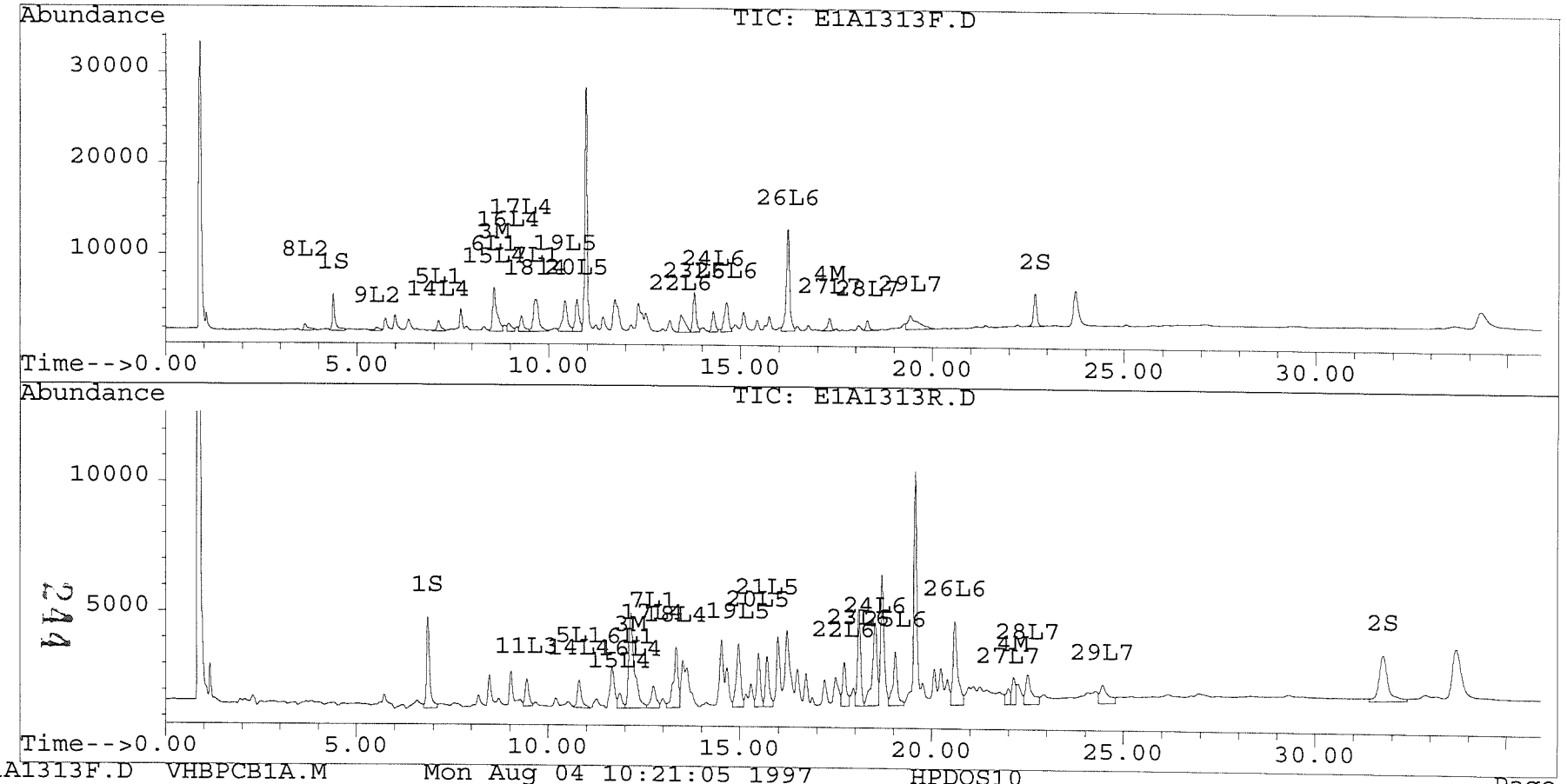
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3481	3095	15.237	14.656
				Recovery	=	38.09%	36.64%
2) S	Decachlorobiphenyl	22.68	31.77	3140	1485	12.903	13.094
				Recovery	=	32.26%	32.74%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.16	40677	33493	455.967	379.101
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	6151	4273	33.797	25.959
5) L1	Aroclor-1016	7.12	10.80	8624	8201	274.508	277.364
6) L1	Aroclor-1016 {2}	8.57	12.16	40677	33493	897.121	905.581
7) L1	Aroclor-1016 {3}	9.67	12.75	24949	5102	1033.219	294.131 #
Total	Aroclor-1016			74250	46795	2204.848	1477.077
Average	Aroclor-1016					734.949	492.359
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.52	0.00	254	0	37.335	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.44f	0	4574	N.D.	283.268 #
Total	Aroclor-1221			254	4574	37.335	283.268
Average	Aroclor-1221					37.335	283.268
11) L3	Aroclor-1232	0.00	9.44f	0	4574	N.D.	313.419 #
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	4574	N.D.	313.419
Average	Aroclor-1232					0.000	313.419
14) L4	Aroclor-1242	7.12	10.80	8624	8201	235.997	236.068
15) L4	Aroclor-1242 {2}	8.57	11.87	40677	4263	762.159	280.456 #
16) L4	Aroclor-1242 {3}	8.95	12.16	5906	33493	276.835	778.893 #
17) L4	Aroclor-1242 (4)	9.28	12.75	14673	5102	836.755	252.272 #
18) L4	Aroclor-1242 (5)	9.67	13.34	24949	16812	885.382	869.299
Total	Aroclor-1242			94829	67870	2997.128	2416.988
Average	Aroclor-1242					599.426	483.398
19) L5	Aroclor-1248	10.42	14.97	24184	17242	900.178	1144.480 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1314F.D VHBPCB1A.M Mon Aug 04 10:21:14 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.72	15.48	24661	13075	1103.657	548.194 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	14153	N.D.	568.401 #
Total Aroclor-1248			48845	44470	2003.836	2261.074
Average Aroclor-1248					1001.918	753.691
22) L6 Aroclor-1254	13.45	17.71	9978	9433	279.197	268.226
23) L6 Aroclor-1254 {2}	13.79	18.10	22005	19990	290.879	259.385
24) L6 Aroclor-1254 {3}	14.29	18.54	10771	14057	295.611	293.824
25) L6 Aroclor-1254 (4)	14.64	19.05	15380	9508	337.018	289.820
26) L6 Aroclor-1254 (5)	16.19	20.60	17135	13612	284.496	262.425
Total Aroclor-1254			75270	66600	1487.201	1373.681
Average Aroclor-1254					297.440	274.736
27) L7 Aroclor-1260	17.32	22.00	6151	1808	189.404	72.175 #
28) L7 Aroclor-1260 {2}	18.30	22.50	4941	4110	79.120	69.793
29) L7 Aroclor-1260 {3}	19.42	24.45	3961	1624	88.646	65.654 #
Total Aroclor-1260			15052	7542	357.170	207.623
Average Aroclor-1260					119.057	69.208

$AR1242 = \frac{\begin{pmatrix}762\\831\\885\end{pmatrix} \times \frac{5}{3} \times 25}{30 \times 0.91} = 1380$

$AR1254 = \frac{1374 \times 25}{30 \times 0.91} = 1374$

246

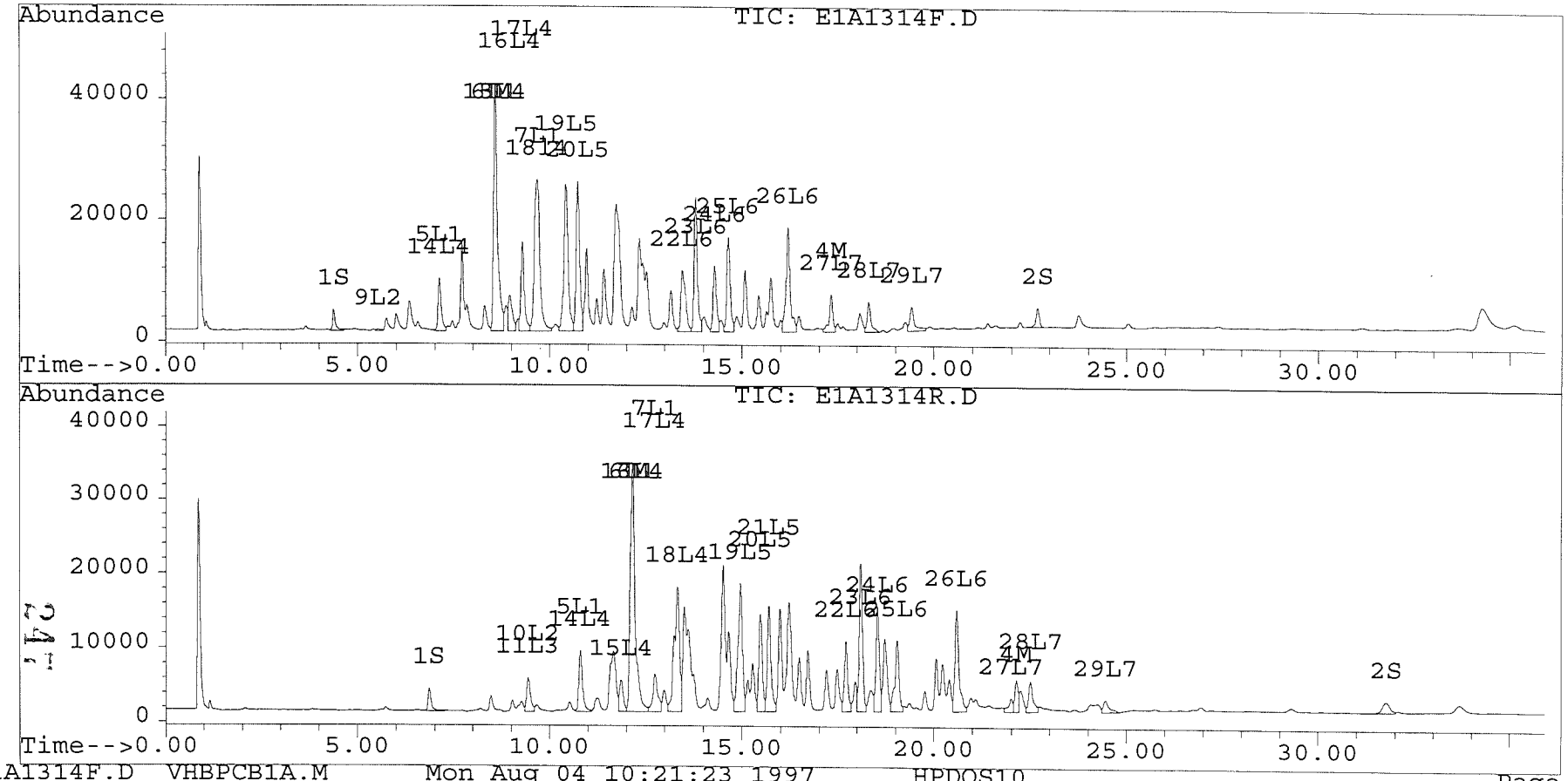
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1314F.D VHBPCB1A.M Mon Aug 04 10:21:15 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3858	3279	16.888	15.529
				Recovery	=	42.22%	38.82%
2) S	Decachlorobiphenyl	22.68	31.77	3524	1695	14.483	14.952
				Recovery	=	36.21%	37.38%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	1961	1609	21.980	18.211
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	545	696	2.996	4.230 #
5) L1	Aroclor-1016	7.12	10.81	482	493	15.348	16.675
6) L1	Aroclor-1016 {2}	8.57	12.17	1961	1609	43.246	43.501
7) L1	Aroclor-1016 {3}	9.66	12.75	1645	286	68.109	16.477 #
Total	Aroclor-1016			4088	2388	126.703	76.652
Average	Aroclor-1016					42.234	25.551
8) L2	Aroclor-1221	3.62	0.00	478	0	59.628	N.D. #
9) L2	Aroclor-1221 {2}	5.51	0.00	66	0	9.707	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			544	0	69.335	N.D.
Average	Aroclor-1221					34.668	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	7.12	10.81	482	493	13.195 BDL	14.192
15) L4	Aroclor-1242 {2}	8.57	11.87	1961	250	36.740	16.462 #
16) L4	Aroclor-1242 {3}	8.96	12.17	337	1609	15.782	37.415 #
17) L4	Aroclor-1242 (4)	9.28	12.75	650	286	37.087	14.132 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1645	1096	58.364	56.682
Total	Aroclor-1242			5075	3734	161.168	138.883
Average	Aroclor-1242					32.234	27.777
19) L5	Aroclor-1248	10.42	14.97	1489	856	55.414	56.798

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	1392	886	62.286	37.160 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	847	N.D.	34.004 #
Total Aroclor-1248			2881	2589	117.700	127.962
Average Aroclor-1248					58.850	42.654
22) L6 Aroclor-1254	13.45	17.71	772	736	21.609	20.914
23) L6 Aroclor-1254 {2}	13.80	18.10	1688	1606	22.319	20.845
24) L6 Aroclor-1254 {3}	14.29	18.54	890	1222	24.425	25.534
25) L6 Aroclor-1254 (4)	14.65	19.05	1264	842	27.697	25.654
26) L6 Aroclor-1254 (5)	16.19	20.60	1324	1228	21.975	23.682
Total Aroclor-1254			5938	5634	118.025	116.629 BDC
Average Aroclor-1254					23.605	23.326
27) L7 Aroclor-1260	17.31	21.99	545	576	16.789	22.980 #
28) L7 Aroclor-1260 {2}	18.30	22.50	634	719	10.159	12.215
29) L7 Aroclor-1260 {3}	19.42	24.45	1130	828	25.292	33.469 #
Total Aroclor-1260			2310	2123	52.240	68.664
Average Aroclor-1260					17.413	22.888

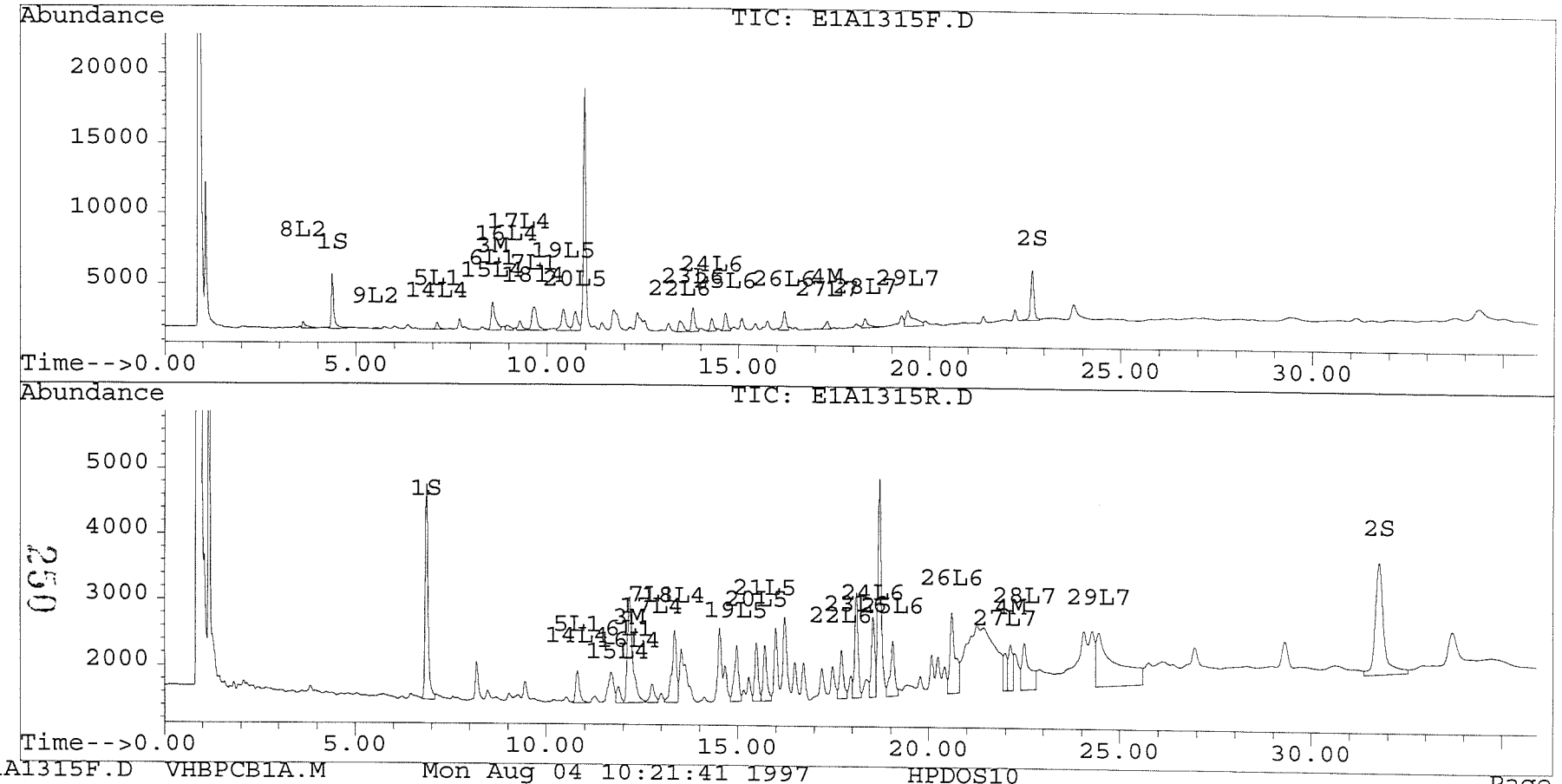
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3982	3390	17.428	16.054
				Recovery	=	43.57%	~~40.14%~~
2) S	Decachlorobiphenyl	22.68	31.78	3522	1596	14.472	14.082
				Recovery	=	36.18%	35.21%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	1165	936	13.053	10.590
4) M	2,2',3,3',4,4'-Hexa	17.31	22.13	320	686	1.760	4.168 #
5) L1	Aroclor-1016	7.12	10.81	329	298	10.483	10.063
6) L1	Aroclor-1016 {2}	8.58	12.17	1165	936	25.683	25.298
7) L1	Aroclor-1016 {3}	9.67	12.75	968	262	40.103	15.099 #
Total	Aroclor-1016			2462	1495	76.268	50.460
Average	Aroclor-1016					25.423	16.820
8) L2	Aroclor-1221	3.64f	0.00	432	0	53.927	N.D. #
9) L2	Aroclor-1221 {2}	5.51	0.00	175	0	25.779	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			607	0	79.705	N.D.
Average	Aroclor-1221					39.853	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	7.12	10.81	329	298 BPL	9.012	8.565
15) L4	Aroclor-1242 {2}	8.58	11.87	1165	242	21.819	15.929 #
16) L4	Aroclor-1242 {3}	8.95	12.17	335	936	15.725	21.758 #
17) L4	Aroclor-1242 (4)	9.28	12.75	519	262	29.590	12.950 #
18) L4	Aroclor-1242 (5)	9.67	13.34	968	625	34.365	32.317
Total	Aroclor-1242			3317	2362	110.511	91.519
Average	Aroclor-1242					22.102	18.304
19) L5	Aroclor-1248	10.42	14.97	1011	647	37.639	42.947

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1316F.D VHBPCB1A.M Mon Aug 04 10:21:50 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

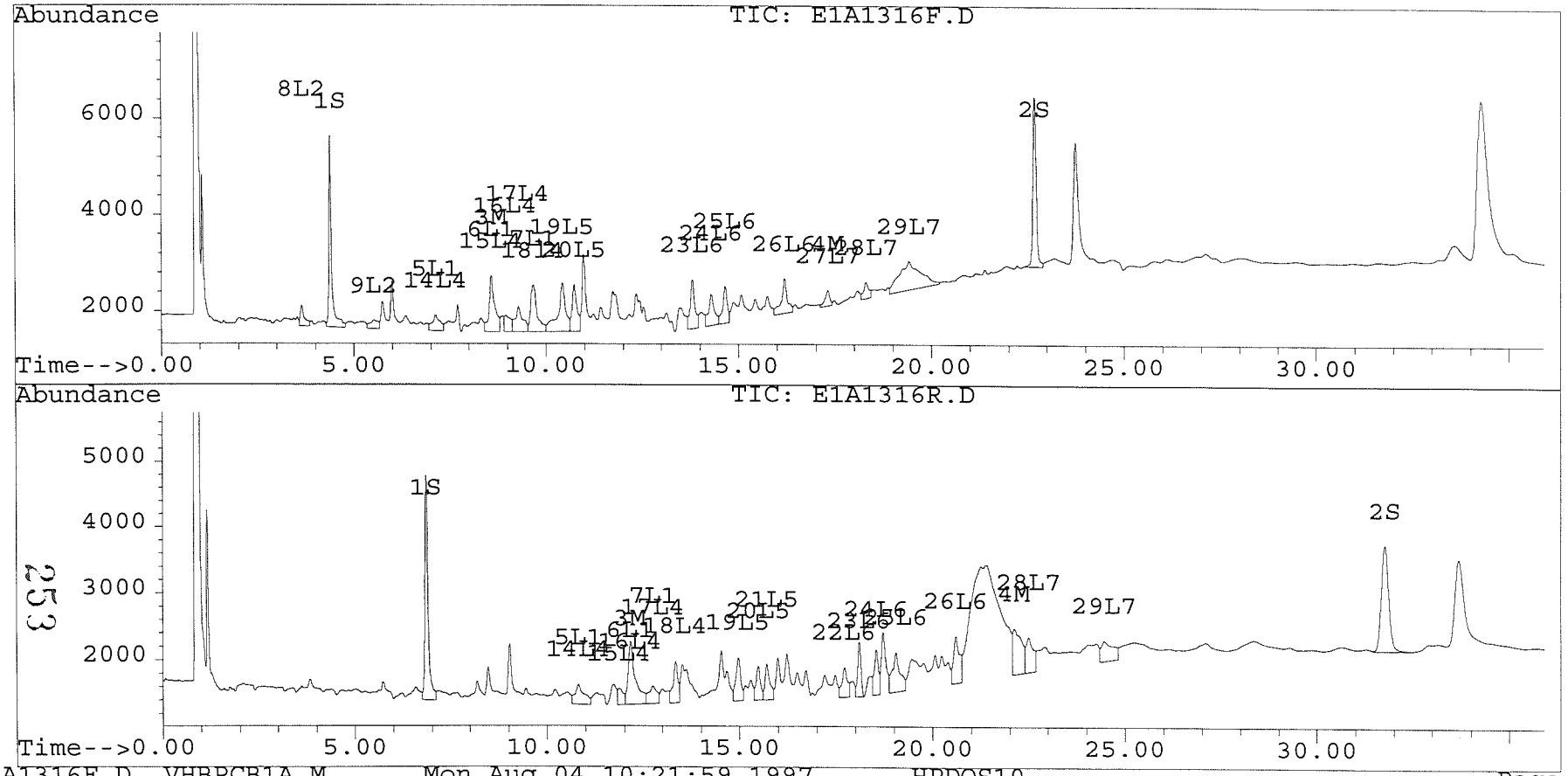
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	977	513	43.718	21.505 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	536	N.D.	21.512 #
Total	Aroclor-1248			1988	1696	81.357	85.963
Average	Aroclor-1248					40.679	28.654
22) L6	Aroclor-1254	0.00	17.71	0	444	N.D.	12.623 #
23) L6	Aroclor-1254 {2}	13.80	18.10	1022	815	13.505	10.580
24) L6	Aroclor-1254 {3}	14.29	18.54	653	670	17.922	14.000
25) L6	Aroclor-1254 (4)	14.65	19.05	763	589	16.717	17.946
26) L6	Aroclor-1254 (5)	16.20	20.61	718	701	11.919	13.515
Total	Aroclor-1254			3155	3219	60.063	68.664
Average	Aroclor-1254					15.016	13.733
27) L7	Aroclor-1260	17.31	0.00	320	0	9.863	N.D. #
28) L7	Aroclor-1260 {2}	18.30	22.50	344	523	5.510	8.876 #
29) L7	Aroclor-1260 {3}	19.42	24.46	594	300	13.296	12.146
Total	Aroclor-1260			1258	823	28.669	21.022
Average	Aroclor-1260					9.556	10.511

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3498	3104	15.310	14.697
				Recovery	=	38.28%	36.74%
2) S	Decachlorobiphenyl	22.68	31.77	3329	1500	13.679	13.230
				Recovery	=	34.20%	33.08%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	378	283	4.236	3.203
4) M	2,2',3,3',4,4'-Hexa	17.28	22.13	247	466	1.358	2.830 #
5) L1	Aroclor-1016	7.13	10.81	122	94	3.883	3.177
6) L1	Aroclor-1016 (2)	8.58	12.17	378	283	8.334	7.652
7) L1	Aroclor-1016 (3)	9.66	12.76	351	81	14.525	4.672 #
Total	Aroclor-1016			851	458	26.742	15.501
Average	Aroclor-1016					8.914	5.167
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	71	0	10.379	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			71	0	10.379	N.D.
Average	Aroclor-1221					10.379	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	7.13	10.81	122	94	3.339	2.704
15) L4	Aroclor-1242 (2)	8.58	0.00	378	0	7.080	N.D. #
16) L4	Aroclor-1242 (3)	8.95	12.17	132	283	6.196	6.581
17) L4	Aroclor-1242 (4)	9.29	12.76	187	81	10.661	4.007 #
18) L4	Aroclor-1242 (5)	9.66	13.35	351	274	12.447	14.188
Total	Aroclor-1242			1170	732	39.722	27.481
Average	Aroclor-1242					7.944	6.870
19) L5	Aroclor-1248	10.44	14.97	422	237	15.702	15.759

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.72	15.48	439	221	19.666	9.256 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	193	N.D.	7.735 #
Total Aroclor-1248			861	651	35.368	32.750
Average Aroclor-1248					17.684	10.917
22) L6 Aroclor-1254	0.00	17.71	0	233	N.D.	6.622 #
23) L6 Aroclor-1254 {2}	13.80	18.10	434	390	5.741	5.063
24) L6 Aroclor-1254 {3}	14.29	18.54	243	331	6.679	6.917
25) L6 Aroclor-1254 (4)	14.65	19.05	336	259	7.366	7.905
26) L6 Aroclor-1254 (5)	16.20	20.61	288	349	4.780	6.720 #
Total Aroclor-1254			1302	1562	24.566	33.227
Average Aroclor-1254					6.141	6.645
27) L7 Aroclor-1260	17.28f	0.00	247	0	7.611	N.D. #
28) L7 Aroclor-1260 {2}	18.30	22.50	60	292	0.953	4.956 #
29) L7 Aroclor-1260 {3}	19.42	24.47	104	323	2.338	13.052 #
Total Aroclor-1260			411	615	10.903	18.008
Average Aroclor-1260					3.634	9.004

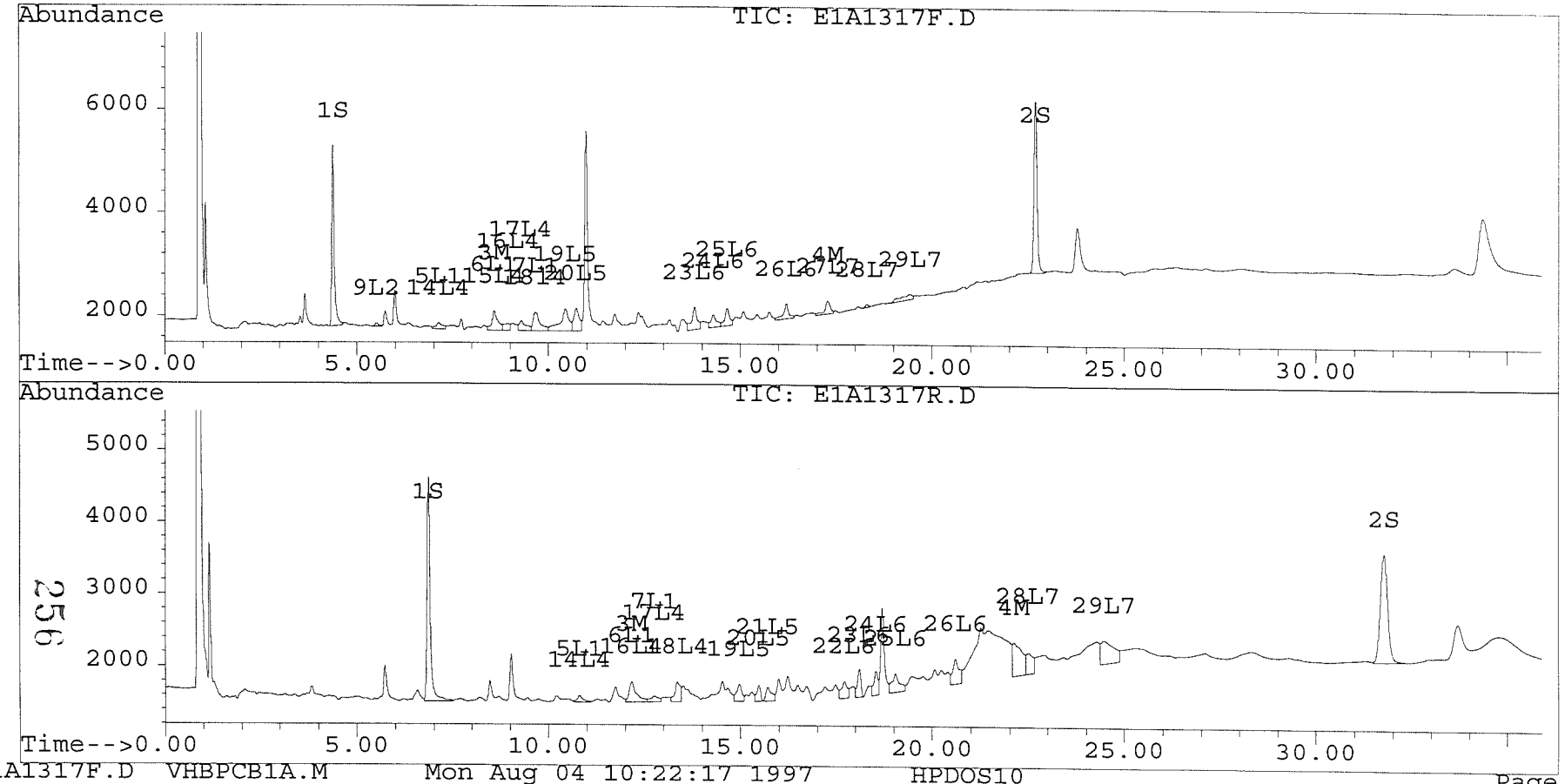
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	4854	2678	21.248	12.680 #
				Recovery	=	53.12%	31.70%
2) S	Decachlorobiphenyl	22.68	31.78	3640	2030	14.959	17.906
				Recovery	=	37.40%	44.77%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.56	12.16	45607	32452	511.223	367.324 #
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	5079	4257	27.907	25.866
5) L1	Aroclor-1016	7.12	10.80	24195	20140	770.164	681.138
6) L1	Aroclor-1016 (2)	8.56	12.16	45607	32452	1005.838	877.448
7) L1	Aroclor-1016 (3)	9.65	12.75	22679	10980	939.218	633.033 #
Total	Aroclor-1016			92480	63572	2715.220	2191.620
Average	Aroclor-1016					905.073	730.540
8) L2	Aroclor-1221	0.00	6.10	0	135	N.D.	18.983 #
9) L2	Aroclor-1221 (2)	5.52	0.00	2294	0	337.658	N.D. #
10) L2	Aroclor-1221 (3)	0.00	9.43f	0	5836	N.D.	361.456 #
Total	Aroclor-1221			2294	5972	337.658	380.439
Average	Aroclor-1221					337.658	190.220
11) L3	Aroclor-1232	0.00	9.43f	0	5836	N.D.	399.929 #
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	5836	N.D.	399.929
Average	Aroclor-1232					0.000	399.929
14) L4	Aroclor-1242	7.12	10.80	24195	20140	662.116	579.724
15) L4	Aroclor-1242 (2)	8.56	11.88	45607	9500	854.521	624.941 #
16) L4	Aroclor-1242 (3)	8.95	12.16	13883	32452	650.733	754.696
17) L4	Aroclor-1242 (4)	9.27	12.75	16162	10980	921.662	542.943 #
18) L4	Aroclor-1242 (5)	9.65	13.34	22679	14796	804.832	765.081
Total	Aroclor-1242			122525	87868	3893.863	3267.385
Average	Aroclor-1242					778.773	653.477
19) L5	Aroclor-1248	10.42	14.97	21331	13693	793.973	908.947

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.72	15.48	21148	13671	946.442	573.180 #
21) L5	Aroclor-1248 {3}	0.00	15.70	0	13465	N.D.	540.793 #
Total	Aroclor-1248			42479	40830	1740.415	2022.920
Average	Aroclor-1248					870.207	674.307
22) L6	Aroclor-1254	13.44	17.71	9525	10248	266.532	291.405
23) L6	Aroclor-1254 {2}	13.79	18.10	19062	19959	251.977	258.984
24) L6	Aroclor-1254 {3}	14.29	18.53	8637	14707	237.031	307.413 #
25) L6	Aroclor-1254 (4)	14.64	19.05	13418	8492	294.031	258.858
26) L6	Aroclor-1254 (5)	16.19	20.60	13797	11780	229.077	227.107
Total	Aroclor-1254			64440	65187	1278.649	1343.768
Average	Aroclor-1254					255.730	268.754
27) L7	Aroclor-1260	17.32	22.00	5079	2056	156.394	82.080 #
28) L7	Aroclor-1260 {2}	18.30	22.50	3594	3741	57.548	63.529
29) L7	Aroclor-1260 {3}	19.42	24.45	2660	2039	59.524	82.422 #
Total	Aroclor-1260			11332	7836	273.466	228.032
Average	Aroclor-1260					91.155	76.011

AR1242 = $\frac{3267 \times 25}{30 \times 0.84} = 3200$

AR1254 = $\frac{1279 \times 25}{30 \times 0.84} = 1302$

KL

258

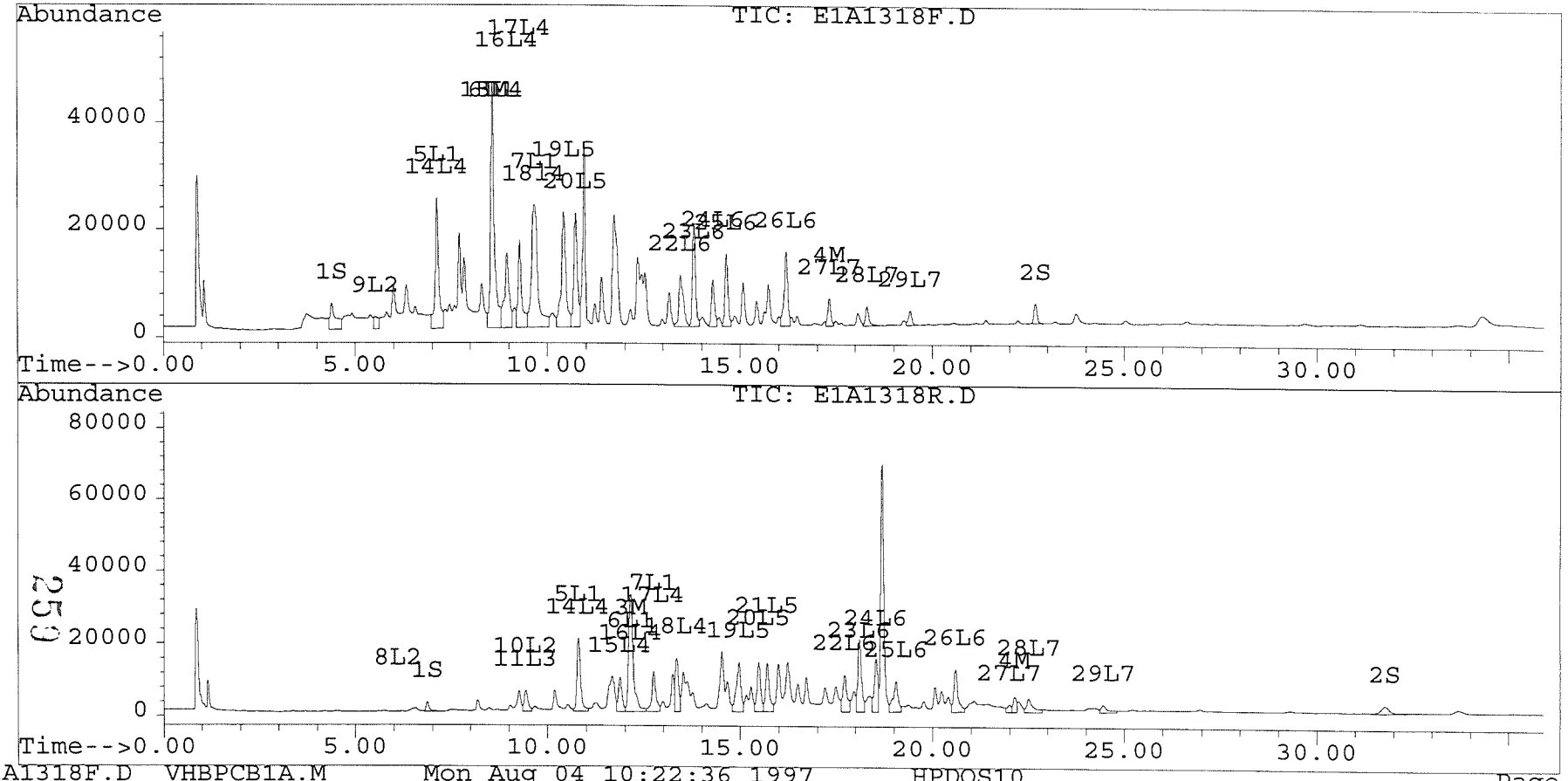
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1318F.D VHBPCB1A.M Mon Aug 04 10:22:28 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3589	3137	15.709	14.854
				Recovery	=	39.27%	37.14%
2) S	Decachlorobiphenyl	22.68	31.77	3324	1640	13.661	14.463
				Recovery	=	34.15%	36.16%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	758	612	8.493	6.930
4) M	2,2',3,3',4,4'-Hexa	17.32	22.15	890	789	4.890	4.796
5) L1	Aroclor-1016	7.12	10.81	507	407	16.144	13.748
6) L1	Aroclor-1016 {2}	8.58	12.17	758	612	16.709	16.554
7) L1	Aroclor-1016 {3}	9.67	12.76	539	292	22.321	16.826
Total	Aroclor-1016			1804	1311	55.174	47.127
Average	Aroclor-1016					18.391	15.709
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	177	0	26.082	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			177	0	26.082	N.D.
Average	Aroclor-1221					26.082	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	7.12	10.81	507	407 BDL	13.879	11.701
15) L4	Aroclor-1242 {2}	8.58	11.88	758	286	14.195	18.784 #
16) L4	Aroclor-1242 {3}	8.96	12.17	350	612	16.390	14.238
17) L4	Aroclor-1242 (4)	9.29	12.76	384	292	21.889	14.431 #
18) L4	Aroclor-1242 (5)	9.67	13.35	539	405	19.127	20.927
Total	Aroclor-1242			2537	2001	85.481	80.081
Average	Aroclor-1242					17.096	16.016
19) L5	Aroclor-1248	10.43	14.97	611	348	22.751	23.098

260

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.72	15.48	610	313	27.291	13.106 #
21) L5 Aroclor-1248 (3)	0.00	15.71	0	304	N.D.	12.204 #
Total Aroclor-1248			1221	964	50.042	48.409
Average Aroclor-1248					25.021	16.136
22) L6 Aroclor-1254	0.00	17.71	0	336	N.D.	9.560 #
23) L6 Aroclor-1254 (2)	13.81	18.09	1027	833	13.570	10.810
24) L6 Aroclor-1254 (3)	14.29	18.54	1301	468	35.710	9.792 #
25) L6 Aroclor-1254 (4)	14.65	19.05	541	1670	11.845	50.914 #
26) L6 Aroclor-1254 (5)	16.20	20.60	1637	1826	27.172	35.209 #
Total Aroclor-1254			4505	5134	88.297	116.285
Average Aroclor-1254					22.074	23.257
27) L7 Aroclor-1260	17.32	22.00	890	1054	27.405	42.071 #
28) L7 Aroclor-1260 (2)	18.30	22.50	1804	2023	28.882	34.352
29) L7 Aroclor-1260 (3)	19.42	24.45	1448	1005	32.412	40.632 #
Total Aroclor-1260			4142	4082	88.698	117.054
Average Aroclor-1260					29.566	39.018

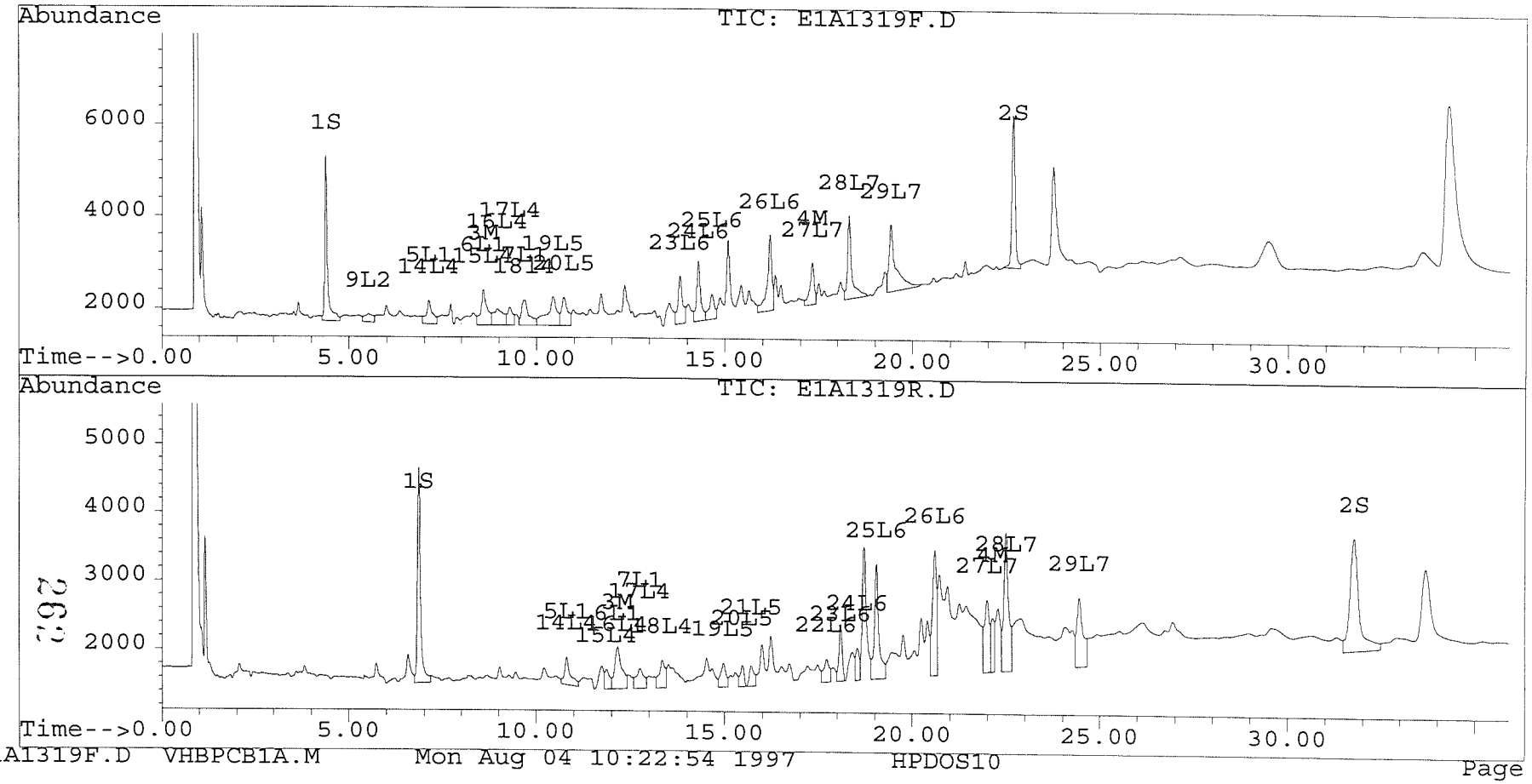
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3274	2452	14.329	11.612
				Recovery	=	35.82%	29.03%
2) S	Decachlorobiphenyl	22.68	31.77	2617	1359	10.756	11.984
				Recovery	=	26.89%	29.96%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	1053	344	11.801	3.897 #
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.13	10.81	921	260	29.322	8.786 #
6) L1	Aroclor-1016 {2}	8.57	12.17	1053	344	23.219	9.308 #
7) L1	Aroclor-1016 {3}	9.67	12.76	909	152	37.632	8.768 #
Total	Aroclor-1016			2883	756	90.172	26.862
Average	Aroclor-1016					30.057	8.954
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.52	0.00	784	0	115.418	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.43f	0	227	N.D.	14.086 #
Total	Aroclor-1221			784	227	115.418	14.086
Average	Aroclor-1221					115.418	14.086
11) L3	Aroclor-1232	0.00	9.43	0	227	N.D.	15.585 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	12.31	0	188	N.D.	12.240 #
Total	Aroclor-1232			0	415	N.D.	27.825
Average	Aroclor-1232					0.000	13.912
14) L4	Aroclor-1242	7.13	10.81	921	260	25.208 BDL	7.477 #
15) L4	Aroclor-1242 {2}	8.57	11.87	1053	197	19.726	12.976 #
16) L4	Aroclor-1242 {3}	8.95	12.17	794	344	37.214	8.006 #
17) L4	Aroclor-1242 (4)	9.28	12.76	797	152	45.439	7.520 #
18) L4	Aroclor-1242 (5)	9.67	0.00	909	0	32.247	N.D. #
Total	Aroclor-1242			4473	953	159.834	35.979
Average	Aroclor-1242					31.967	8.995
19) L5	Aroclor-1248	10.44	14.96	1260	389	46.884	25.790 #

263

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20)	L5 Aroclor-1248 {2}	0.00	15.46	0	404	N.D.	16.930 #
21)	L5 Aroclor-1248 {3}	0.00	15.72	0	431	N.D.	17.320 #
Total	Aroclor-1248			1260	1224	46.884	60.041
Average	Aroclor-1248					46.884	20.014
22)	L6 Aroclor-1254	0.00	17.71	0	684	N.D.	19.450 #
23)	L6 Aroclor-1254 {2}	13.80	18.09	358	896	4.731	11.628 #
24)	L6 Aroclor-1254 {3}	14.29	0.00	231	0	6.336	N.D. #
25)	L6 Aroclor-1254 (4)	14.63	19.04	200	455	4.381	13.858 #
26)	L6 Aroclor-1254 (5)	16.20	20.61	329	603	5.460	11.628 #
Total	Aroclor-1254			1118	2638	20.908	56.564
Average	Aroclor-1254					5.227	14.141
27)	L7 Aroclor-1260	0.00	22.00	0	390	N.D.	15.567 #
28)	L7 Aroclor-1260 {2}	18.29	0.00	302	0	4.835	N.D. #
29)	L7 Aroclor-1260 {3}	19.42	24.43	198	546	4.436	22.073 #
Total	Aroclor-1260			500	936	9.270	37.641
Average	Aroclor-1260					4.635	18.820

BD

264

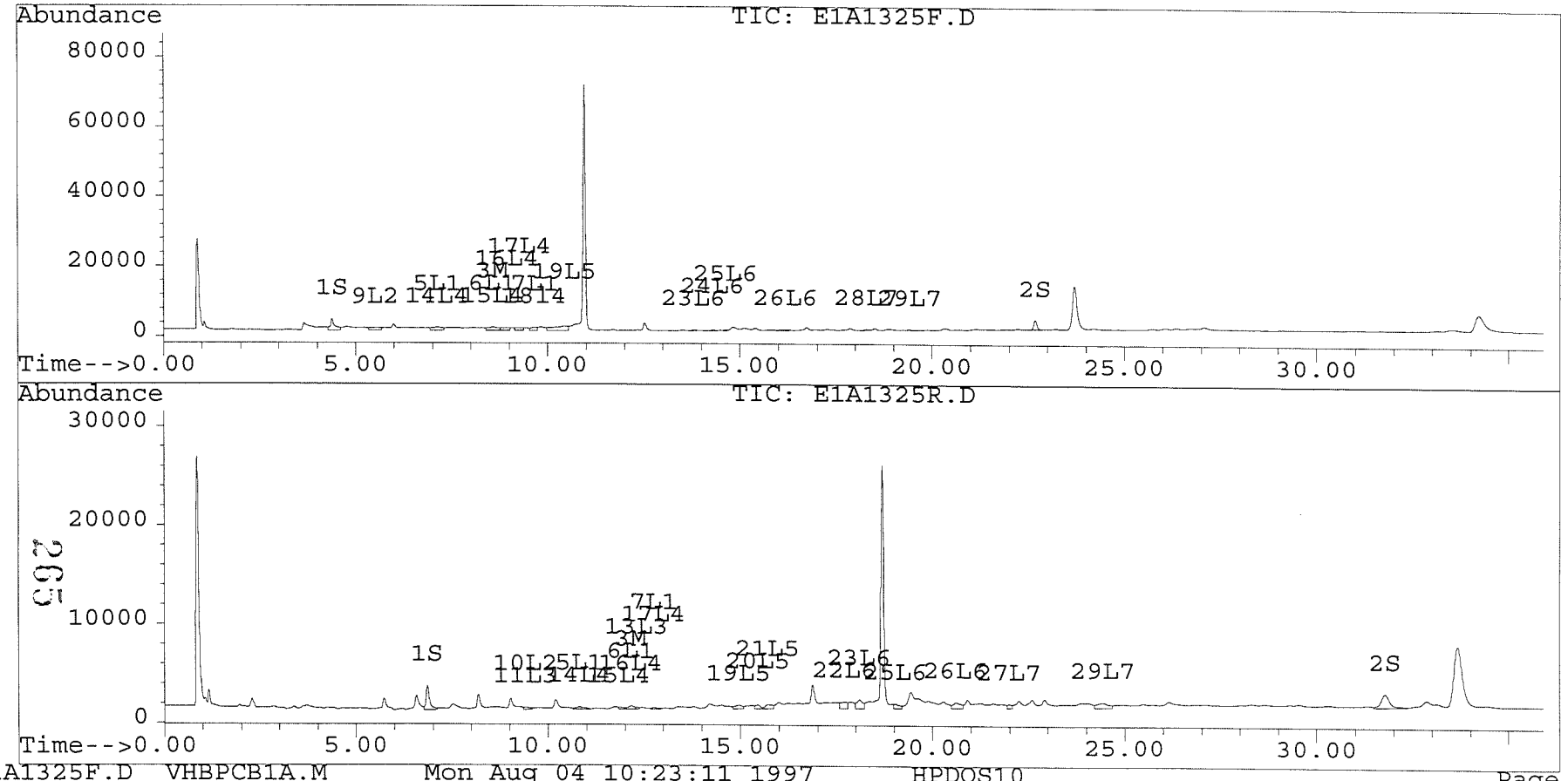
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4736	3030	20.728	14.347 #
					Recovery	=	51.82%	35.87%
2)	S	Decachlorobiphenyl	22.68	31.77	3207	1626	13.180	14.341
					Recovery	=	32.95%	35.85%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.56	12.19	2857	393	32.024	4.454 #
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5)	L1	Aroclor-1016	0.00	10.81	0	318	N.D.	10.763 #
6)	L1	Aroclor-1016 {2}	8.56	12.19	2857	393	63.009	10.639 #
7)	L1	Aroclor-1016 {3}	0.00	12.77	0	299	N.D.	17.258 #
	Total	Aroclor-1016			2857	1011	63.009	38.660
	Average	Aroclor-1016					63.009	12.887
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	8.62	0	630	N.D.	97.313 #
10)	L2	Aroclor-1221 {3}	0.00	9.39	0	515	N.D.	31.879 #
	Total	Aroclor-1221			0	1144	N.D.	129.192
	Average	Aroclor-1221					0.000	64.596
11)	L3	Aroclor-1232	0.00	9.39	0	515	N.D.	35.272 #
12)	L3	Aroclor-1232 {2}	7.19	10.96	2994	320	211.687	22.664 #
13)	L3	Aroclor-1232 {3}	0.00	12.33	0	369	N.D.	24.029 #
	Total	Aroclor-1232			2994	1203	211.687	81.965
	Average	Aroclor-1232					211.687	27.322
14)	L4	Aroclor-1242	0.00	10.81	0	318	N.D.	9.161 #
15)	L4	Aroclor-1242 {2}	8.56	11.92f	2857	363	53.530	23.868 #
16)	L4	Aroclor-1242 {3}	8.93	12.19	2593	393	121.537	9.151 #
17)	L4	Aroclor-1242 (4)	0.00	12.77	0	299	N.D.	14.802 #
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1242			5450	1374	175.066	56.981
	Average	Aroclor-1242					87.533	14.245
19)	L5	Aroclor-1248	0.00	14.95	0	856	N.D.	56.851 #

266

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	15.45	0	978	N.D.	41.002 #
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	1834	N.D.	97.852
Average Aroclor-1248					0.000	48.926
22) L6 Aroclor-1254	0.00	17.71	0	2095	N.D.	59.571 #
23) L6 Aroclor-1254 (2)	13.79	18.08	269	2462	3.556	31.950 #
24) L6 Aroclor-1254 (3)	14.28	0.00	165	0	4.524	N.D. #
25) L6 Aroclor-1254 (4)	14.62f	19.04	234	1196	5.127	36.447 #
26) L6 Aroclor-1254 (5)	16.20	20.62	365	1034	6.068	19.928 #
Total Aroclor-1254			1033	6787	19.275	147.896
Average Aroclor-1254					4.819	36.974
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7 Aroclor-1260 (2)	18.30	22.53	226	757	3.620	12.861 #
29) L7 Aroclor-1260 (3)	19.41	0.00	241	0	5.385	N.D. #
Total Aroclor-1260			467	757	9.005	12.861
Average Aroclor-1260					4.502	12.861

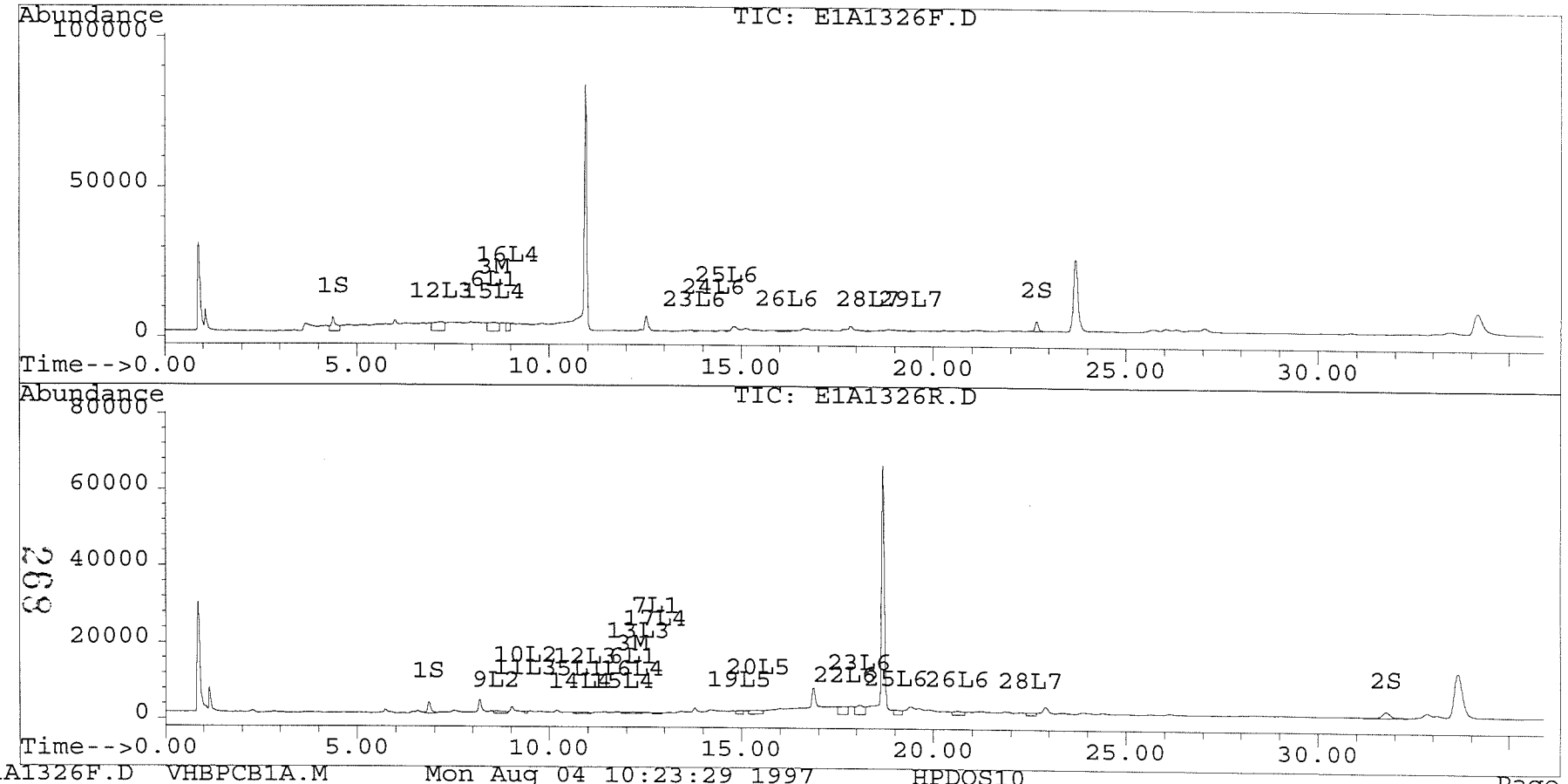
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1326F.D VHBPCB1A.M Mon Aug 04 10:23:22 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D\E1A1327R.D
Acq On : 03 Aug 97 09:25 PM Operator: JS/GML
Sample : D1145-39,O9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3042	2761	13.317	13.077
					Recovery	=	33.29%	32.69%
2)	S	Decachlorobiphenyl	22.68	31.77	3044	1500	12.508	13.233
					Recovery	=	31.27%	33.08%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.58	12.17	188	158	2.105	1.786
4)	M	2,2',3,3',4,4'-Hexa	17.27	22.12	225	548	1.236	3.327 #
5)	L1	Aroclor-1016	7.13	10.81	56	45	1.776	1.538
6)	L1	Aroclor-1016 (2)	8.58	12.17	188	158	4.143	4.266
7)	L1	Aroclor-1016 (3)	9.67	12.75	152	44	6.314	2.538 #
		Total Aroclor-1016			396	247	12.233	8.341
		Average Aroclor-1016					4.078	2.780
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.51	0.00	39	0	5.752	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			39	0	5.752	N.D.
		Average Aroclor-1221					5.752	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	7.13	10.81	56	45	1.527	1.309
15)	L4	Aroclor-1242 (2)	8.58	0.00	188	0	3.519	N.D. #
16)	L4	Aroclor-1242 (3)	8.95	12.17	57	158	2.688	3.669 #
17)	L4	Aroclor-1242 (4)	9.29	12.75	74	44	4.236	2.176 #
18)	L4	Aroclor-1242 (5)	9.67	0.00	152	0	5.411	N.D. #
		Total Aroclor-1242			528	247	17.381	7.154
		Average Aroclor-1242					3.476	2.385
19)	L5	Aroclor-1248	10.45	14.96	290	102	10.790	6.752 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1327F.D VHBPCB1A.M Mon Aug 04 10:23:38 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D\E1A1327R.D
Acq On : 03 Aug 97 09:25 PM Operator: JS/GML
Sample : D1145-39,O9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

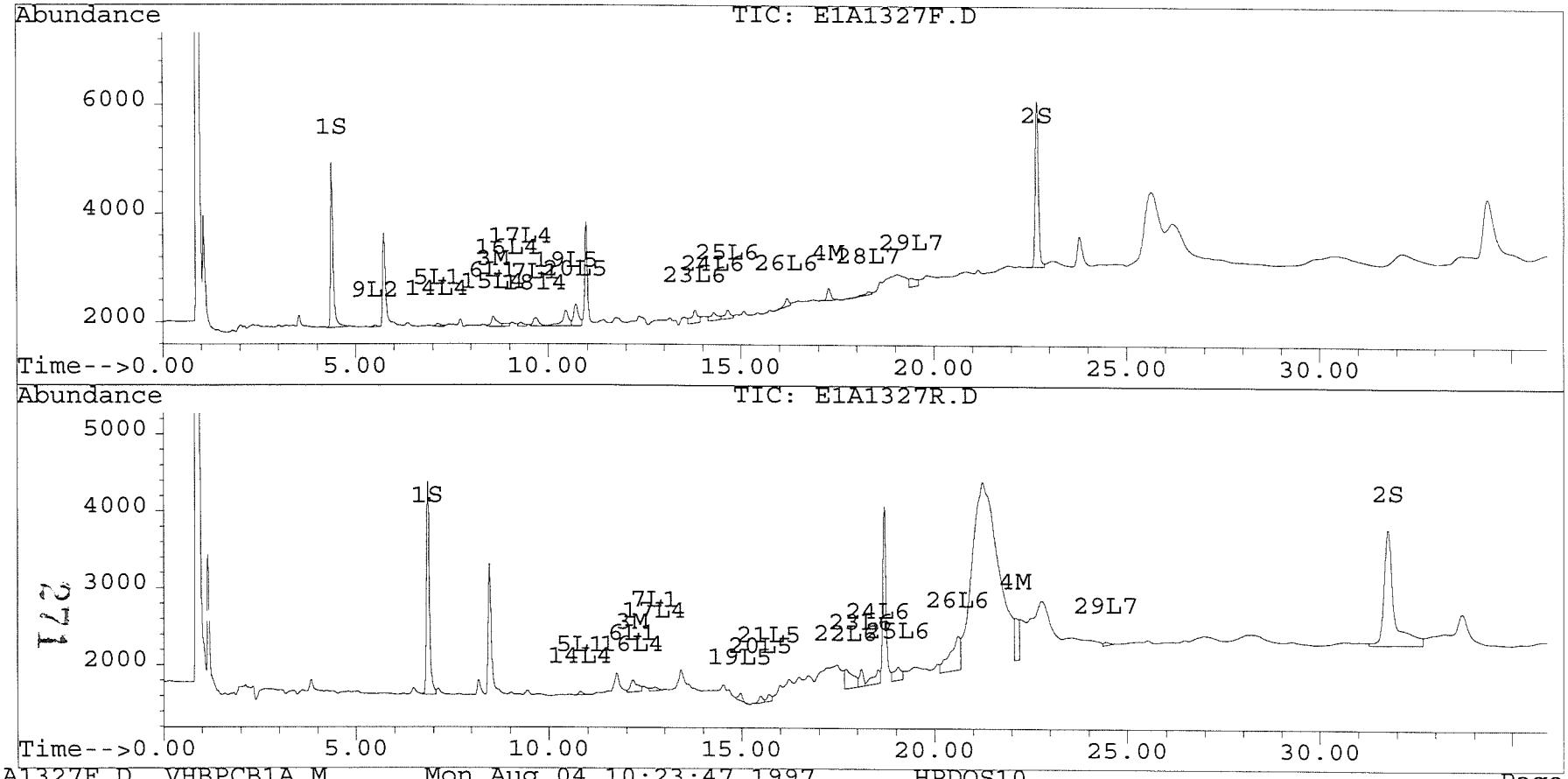
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	10.70	15.49	405	91	18.135	3.804 #
21) L5	Aroclor-1248 (3)	0.00	15.71	0	91	N.D.	3.659 #
Total	Aroclor-1248			695	284	28.925	14.215
Average	Aroclor-1248					14.463	4.738
22) L6	Aroclor-1254	0.00	17.71	0	253	N.D.	7.197 #
23) L6	Aroclor-1254 (2)	13.80	18.10	238	224	3.150	2.910
24) L6	Aroclor-1254 (3)	14.29	18.54	147	180	4.035	3.769
25) L6	Aroclor-1254 (4)	14.65	19.05	159	171	3.484	5.209 #
26) L6	Aroclor-1254 (5)	16.20	20.61	146	439	2.425	8.454 #
Total	Aroclor-1254			690	1267	13.094	27.539
Average	Aroclor-1254					3.273	5.508
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7	Aroclor-1260 (2)	18.31	0.00	56	0	0.900	N.D. #
29) L7	Aroclor-1260 (3)	19.41	24.45	164	46	3.665	1.853 #
Total	Aroclor-1260			220	46	4.564	1.853
Average	Aroclor-1260					2.282	1.853

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D\E1A1327R.D
Acq On : 03 Aug 97 09:25 PM Operator: JS/GML
Sample : D1145-39,O9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D\E1A1328R.D
Acq On : 03 Aug 97 10:05 PM Operator: JS/GML
Sample : D1145-40,O10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3041	2822	13.310	13.364	
				Recovery	=	33.28%	33.41%	
2) S	Decachlorobiphenyl	22.68	31.77	3181	1719	13.072	15.165	
				Recovery	=	32.68%	37.91%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.58	12.17	845	663	9.474	7.502	
4) M	2,2',3,3',4,4'-Hexa	17.32	22.13	259	754	1.424	4.583	#
5) L1	Aroclor-1016	7.12	10.81	223	178	7.099	6.011	
6) L1	Aroclor-1016 (2)	8.58	12.17	845	663	18.641	17.921	
7) L1	Aroclor-1016 (3)	9.66	12.75	659	107	27.290	6.183	#
Total	Aroclor-1016			1727	948	53.030	30.114	
Average	Aroclor-1016					17.677	10.038	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9) L2	Aroclor-1221 (2)	5.51	0.00	56	0	8.232	N.D.	#
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1221			56	0	8.232	N.D.	
Average	Aroclor-1221					8.232	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	7.12	10.81	223	178	6.103	5.116	
15) L4	Aroclor-1242 (2)	8.58	11.87	845	91	15.837	6.019	#
16) L4	Aroclor-1242 (3)	8.95	12.17	202	663	9.458	15.413	#
17) L4	Aroclor-1242 (4)	9.28	12.75	299	107	17.051	5.303	#
18) L4	Aroclor-1242 (5)	9.66	13.35	659	402	23.385	20.801	
Total	Aroclor-1242			2228	1442	71.834	52.652	
Average	Aroclor-1242					14.367	10.530	
19) L5	Aroclor-1248	10.42	14.97	664	370	24.730	24.542	

272

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D\E1A1328R.D
Acq On : 03 Aug 97 10:05 PM Operator: JS/GML
Sample : D1145-40,O10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.72	15.48	784	297	35.077	12.467 #
21) L5 Aroclor-1248 (3)	0.00	15.71	0	295	N.D.	11.836 #
Total Aroclor-1248			1448	962	59.807	48.845
Average Aroclor-1248					29.903	16.282
22) L6 Aroclor-1254	0.00	17.71	0	338	N.D.	9.611 #
23) L6 Aroclor-1254 (2)	13.80	18.10	702	594	9.285	7.706
24) L6 Aroclor-1254 (3)	14.29	18.54	439	472	12.035	9.857
25) L6 Aroclor-1254 (4)	14.65	19.05	493	446	10.806	13.597 #
26) L6 Aroclor-1254 (5)	16.20	20.61	491	591	8.154	11.393 #
Total Aroclor-1254			2125	2440	40.281	52.164
Average Aroclor-1254					10.070	10.433
27) L7 Aroclor-1260	17.32	0.00	259	0	7.980	N.D. #
28) L7 Aroclor-1260 (2)	18.30	22.50	321	578	5.138	9.812 #
29) L7 Aroclor-1260 (3)	19.41	24.46	315	374	7.044	15.104 #
Total Aroclor-1260			895	951	20.162	24.917
Average Aroclor-1260					6.721	12.458

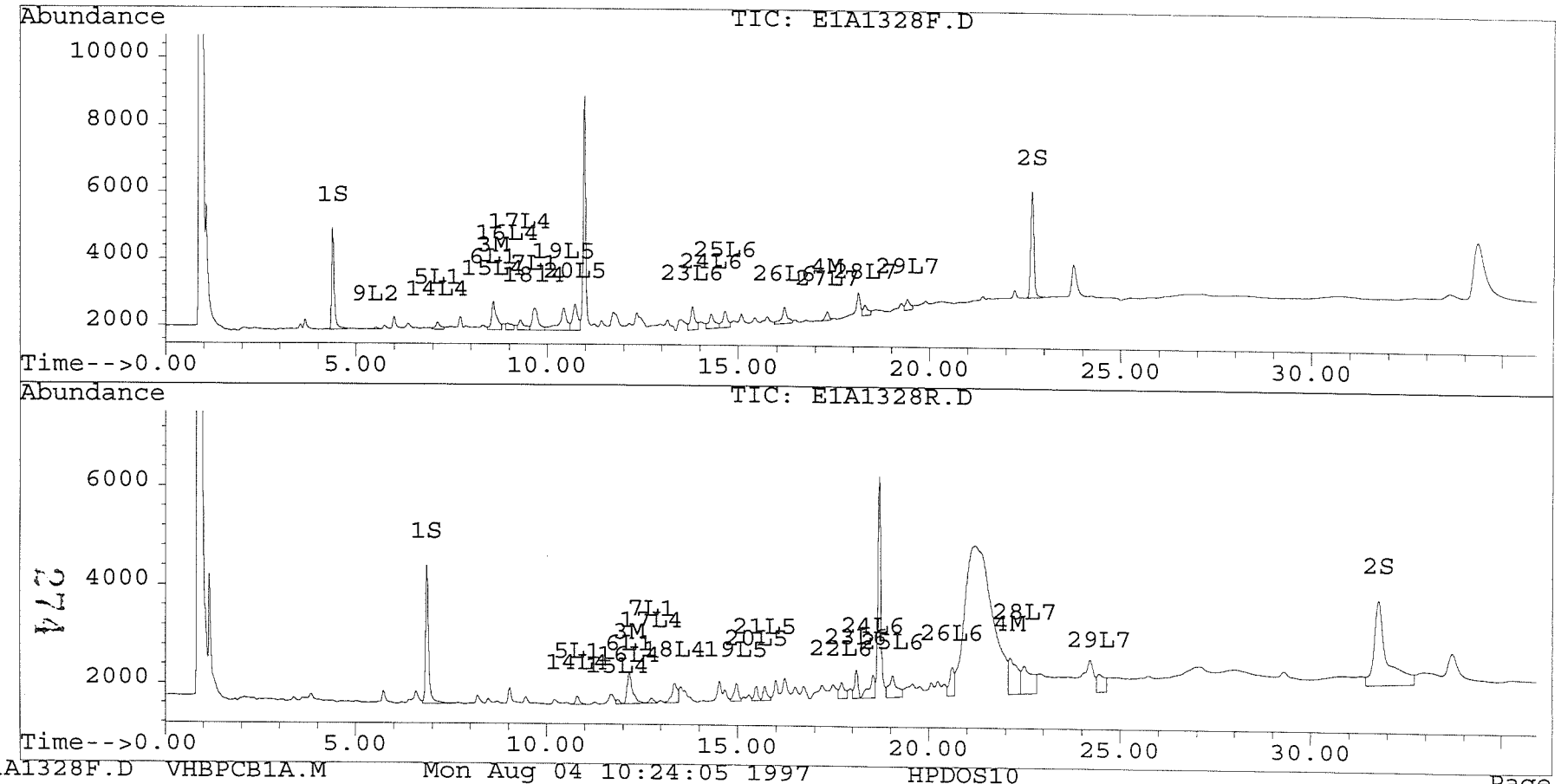
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1328F.D\E1A1328R.D
Acq On : 03 Aug 97 10:05 PM Operator: JS/GML
Sample : D1145-40,O10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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



Florisil Lot Number:

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	7/30/97	Analysis:	PCB			Sample Matrix:	Soil	Project #:	D1145
Blank ID	P0730-B2	Method:	Sonic			Analyst:	HD	Client:	

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
P0730-B2		30g	PW970725B 1mL	N	—	—	8/1/97	25mL Hexane	8/1/97	Spiker: HD
-LCS2				PW970725B 1mL						Witness: PB
PD1145-21				N						
-21MS				PW970725B 1mL						
-21MSD				↓						
-22				N						
-23										
-24										
-25										
-26										
-27										
-28										
-29										
-30										
-31										
-32										
-33										

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	7/30/97	Analysis:	PCB			Sample Matrix:	Soil	Project #:	D1145		
Blank ID	P0730-B2	Method:	Sonic			Analyst:	HO	Client:			

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
PD1145-34		30g	PW970725A 1 mL	N	—	—	8/1/97	25mL Hexane	8/1/97	Spiker: HO Witness: PB
-35										
-36										
-37										
-38										
-39										
-40										

7/30/97 HO

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
8/1/97	D1145-50	107°C	1.0	11.0	10.0	8/4/97	105°C	9.7	8.7	87	HO	
	-51							10.1	9.1	91		
	-52							10.0	9.0	90		
	-53							10.1	9.1	91		
	-54							10.0	9.0	90		
	-55							10.0	9.0	90		
	-56							9.6	8.6	86		
	-57							9.9	8.9	89		
	-58							9.8	8.8	88		
	-59							9.7	8.7	87		
	-60							10.2	9.2	92		
8/1/97	D1145-21	104°C	1.0	11.0	10.0			10.0	9.0	90		
	-22							9.6	8.6	86		
	-23							9.7	8.7	87		
	-24							9.6	8.6	86		
	-25							10.2	9.2	92		
	-26							9.5	8.5	85		
	-27							9.5	8.5	85		
	-28							10.0	9.0	90		
	-29							9.3	8.3	83		
	-30							9.5	8.5	85		
	-31							10.1	9.1	91		

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
8-1-97	D1145-32	104°C	1.0	11.0	10.0	8/4/97	105°C	10.0	9.0	90	HO	
	-33							10.3	9.3	93		
	-34							9.9	8.9	89		
	-35							9.4	8.4	84		
	-36							9.1	8.1	81		
	-37							8.8	7.8	78		
	-38							9.5	8.5	85		
	-39							9.9	8.9	89		
	-40							10.0	9.0	90		
8/1/97	D1145-61	104°C	1.0	11.0	10.0			8.9	7.9	79		
	-62							11.0	10.0	100		
	-63							11.0	10.0	100		
	-64							11.0	10.0	100		

%Solid = Dry Wt. Tared / Wet Wt. Tared x 100

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D\E1A1436R.D
Acq On : 06 Aug 97 05:09 AM Operator: JS/GML
Sample : P0805-B2,P0805-B2,P0805-B2,, Inst : E1
Misc : 3,,BLANK,2,,25000,,30,11,,05-AUG-97,22-J Multiplr: 1.00
Quant Time: Aug 6 10:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	3844	3359	16.826	15.906
				Recovery	=	42.07%	39.77%
2) S	Decachlorobiphenyl	22.69	31.82f	3411	1522	14.017	13.421m
				Recovery	=	35.04%	33.55%
	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

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1436F.D VHBPCB1A.M Wed Aug 06 11:05:19 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D\E1A1436R.D
Acq On : 06 Aug 97 05:09 AM Operator: JS/GML
Sample : P0805-B2,P0805-B2,P0805-B2,, Inst : E1
Misc : 3,,BLANK,2,,25000,,30,11,,05-AUG-97,22-J Multiplr: 1.00
Quant Time: Aug 6 10:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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

14

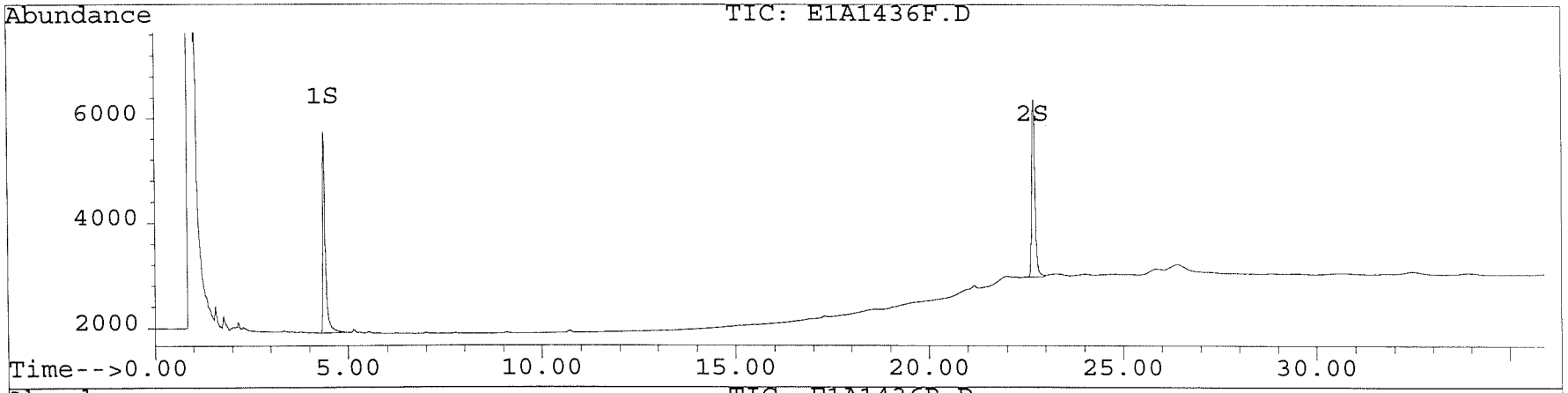
280

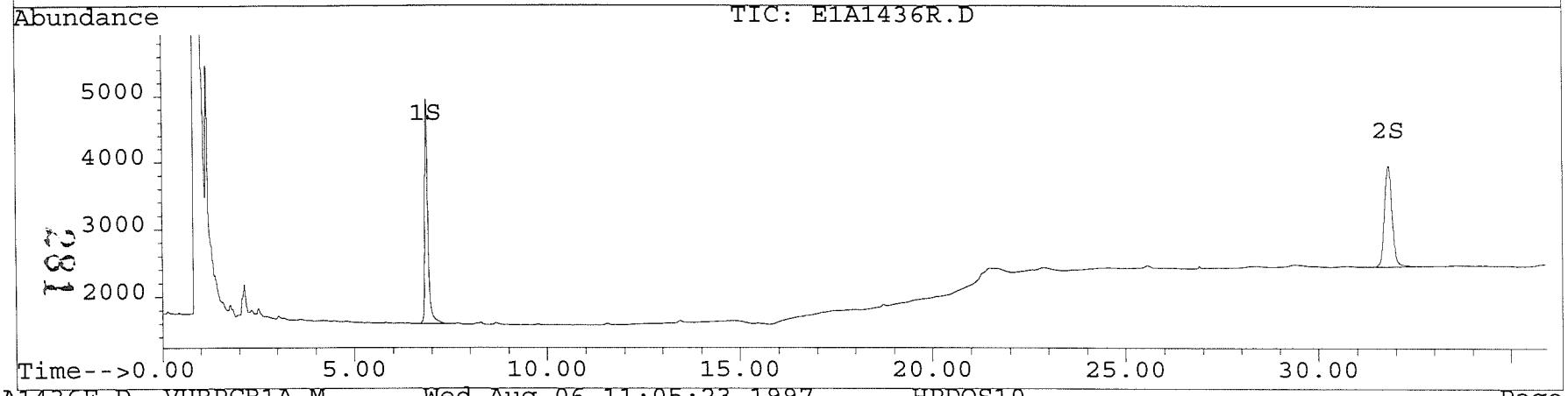
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1436F.D\E1A1436R.D
Acq On : 06 Aug 97 05:09 AM Operator: JS/GML
Sample : P0805-B2,P0805-B2,P0805-B2,, Inst : E1
Misc : 3,,BLANK,2,,25000,,30,11,,05-AUG-97,22-J Multiplr: 1.00
Quant Time: Aug 6 10:59 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D\E1A1443R.D
Acq On : 06 Aug 97 09:46 AM Operator: JS/GML
Sample : P0805-LCS2,P0805-LCS2,P0805-B2,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,,30,,05-AUG-97 Multiplr: 1.00
Quant Time: Aug 6 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	4067	3594	17.804	17.020 ✓
					Recovery	=	44.51%	42.55%
2)	S	Decachlorobiphenyl	22.69	31.82f	3700	1623	15.206	14.316m ✓
					Recovery	=	38.02%	35.79%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.58	12.19	82622	81979	926.134 ✓	927.917
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.15	161007	151343	884.714 ✓	919.466
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

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D\E1A1443R.D
Acq On : 06 Aug 97 09:46 AM Operator: JS/GML
Sample : P0805-LCS2,P0805-LCS2,P0805-B2,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,,30,,05-AUG-97 Multiplr: 1.00
Quant Time: Aug 6 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

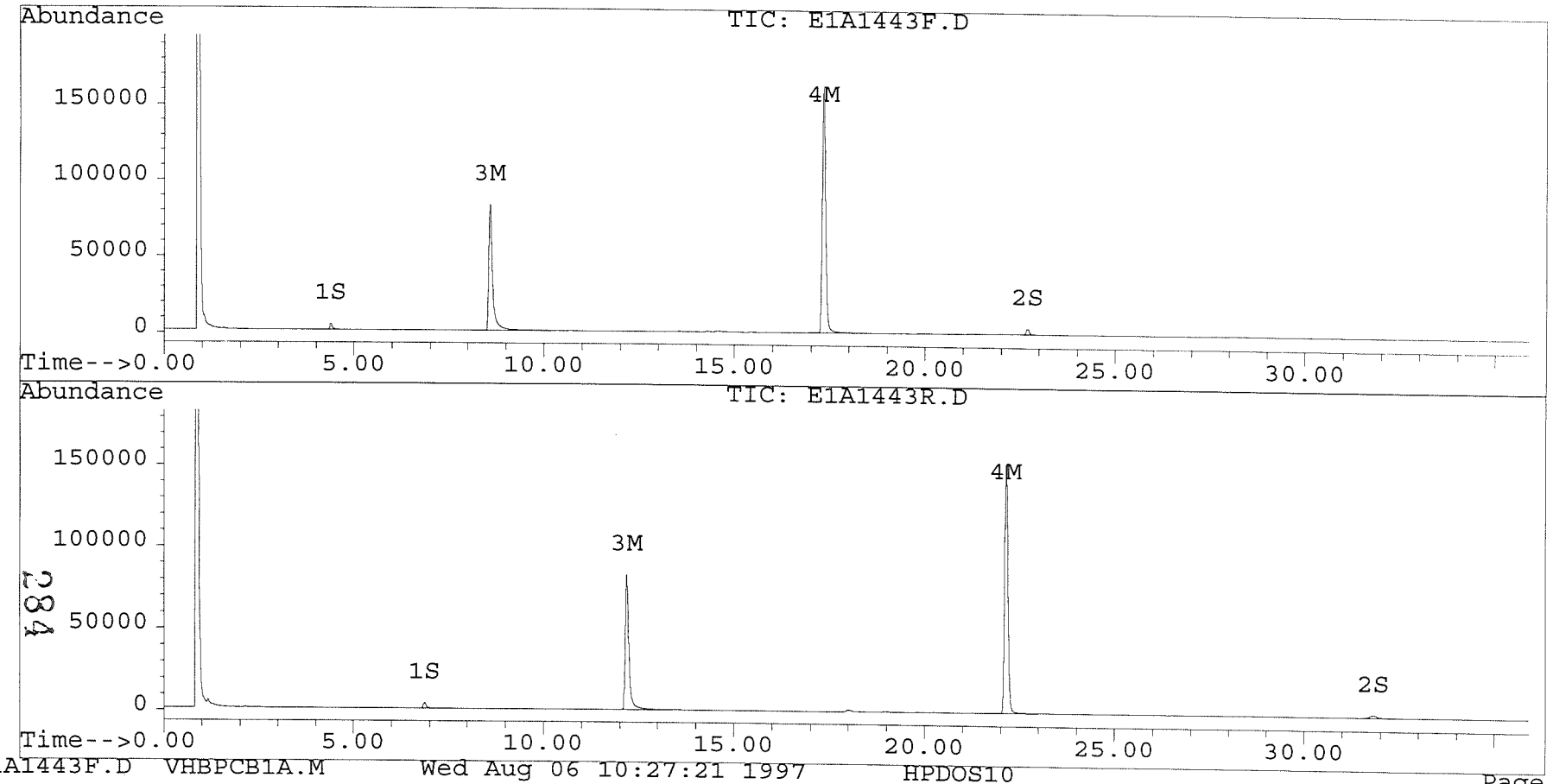
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 (2)	0.00	0.00	0	0	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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1443F.D\E1A1443R.D
Acq On : 06 Aug 97 09:46 AM Operator: JS/GML
Sample : P0805-LCS2,P0805-LCS2,P0805-B2,,PCBCOG.S Inst : E1
Misc : 3,,LCS,2,,25000,,,30,,05-AUG-97 Multiplr: 1.00
Quant Time: Aug 6 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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



284

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D\E1A1437R.D
Acq On : 06 Aug 97 05:49 AM Operator: JS/GML
Sample : D1145-21MSDR,R3-C1MSD,P0805-B2,,PCBCOG Inst : E1
Misc : 0,,,2,,25000,,30,11,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 11:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	3817	3601	16.709m	17.052
				Recovery	=	41.77%	42.63%
2) S	Decachlorobiphenyl	22.69	31.82f	3950	1809	16.230	15.959m
				Recovery	=	40.58%	39.90%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.18	98599	94019	1105.235	1064.195
4) M	2,2',3,3',4,4'-Hexa	17.33	22.15	171722	157185	943.593	954.954
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	7.13	10.82	2923	2774	79.991m	79.839
15) L4	Aroclor-1242 {2}	8.58	11.89	98599	1338	1847.426	88.007 #
16) L4	Aroclor-1242 {3}	8.96	12.18	2708	94019	126.940	2186.471 #
17) L4	Aroclor-1242 (4)	9.29	12.76	4209	2073	240.006	102.507 #
18) L4	Aroclor-1242 (5)	9.66	13.35	9336	6218	331.330	321.536
Total	Aroclor-1242			117776	106422	2625.693	2778.359
Average	Aroclor-1242					525.139	555.672
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

285

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D\E1A1437R.D
Acq On : 06 Aug 97 05:49 AM Operator: JS/GML
Sample : D1145-21MSDR,R3-C1MSD,P0805-B2,,PCBCOG Inst : E1
Misc : 0,,,2,,25000,,30,11,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 11:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

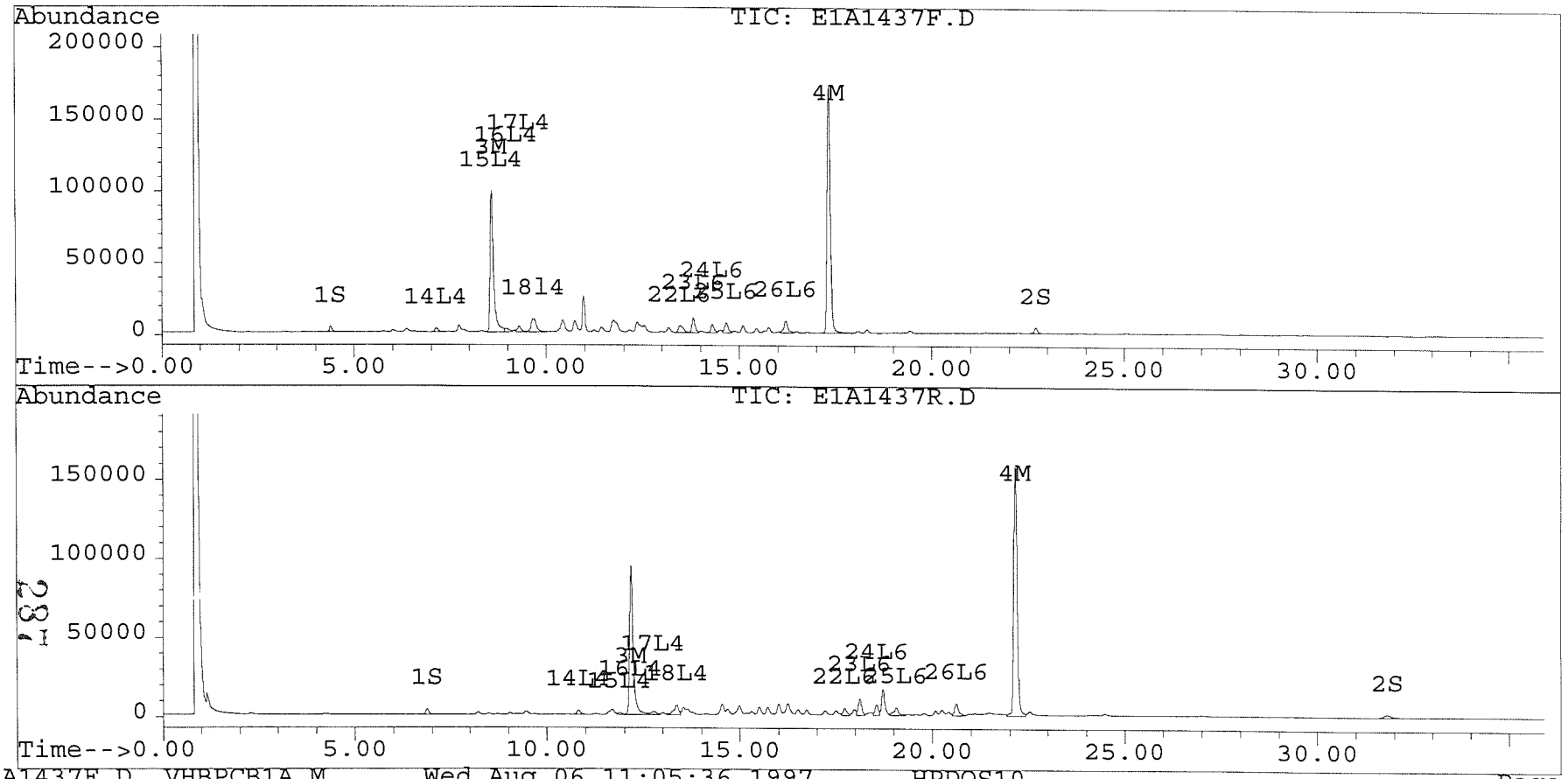
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.46	17.73	4689	4551	131.204	129.408
23) L6	Aroclor-1254 {2}	13.81	18.12	10239	10280	135.349	133.394
24) L6	Aroclor-1254 {3}	14.30	18.55	5743	6593	157.614	137.810
25) L6	Aroclor-1254 (4)	14.66	19.06	6978	5000	152.903	152.403
26) L6	Aroclor-1254 (5)	16.21	20.62	8587	7627	142.573	147.030
Total	Aroclor-1254			36237	34051	719.644	700.045
Average	Aroclor-1254					143.929	140.009
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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1437F.D\E1A1437R.D
Acq On : 06 Aug 97 05:49 AM Operator: JS/GML
Sample : D1145-21MSDR,R3-C1MSD,P0805-B2,,PCBCOG Inst : E1
Misc : 0,,,2,,25000,,30,11,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 11:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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



MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	8/5/97	Analysis:	PCB-V HB		Sample Matrix:	Soil	Project #:	D1145	
Blank ID	P0805-B2	Method:	SONIC		Analyst: HD		Client:		

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
P0805-B2		30g	PW970725A 1mL	N	—	—	8/5/97	25mL Hexane	8/5/97	Spiker: HD
-LCS2		↓	↓	PW970725B 1mL	↓	↓	↓	↓	↓	Witness: ARN
PD1145-21MSDR		↓	↓	↓	↓	↓	↓	↓	↓	

8-5-97 HD

QC Batch: P0801-B1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D\E1A1329R.D
Acq On : 03 Aug 97 10:44 PM Operator: JS/GML
Sample : P0801-B1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3582	3042	15.681	14.403
					Recovery	=	39.20%	36.01%
2)	S	Decachlorobiphenyl	22.68	31.77	3223	1483	13.244	13.077
					Recovery	=	33.11%	32.69%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.59	12.19	66	77	0.743	0.873
4)	M	2,2',3,3',4,4'-Hexa	17.32	22.13	192	557	1.054	3.385 #
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	8.59	12.19	66	77	1.461	2.084 #
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			66	77	1.461	2.084
		Average Aroclor-1016					1.461	2.084
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	5.51	0.00	29	0	4.197	N.D. #
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			29	0	4.197	N.D.
		Average Aroclor-1221					4.197	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	12.31	0	24	N.D.	1.586 #
		Total Aroclor-1232			0	24	N.D.	1.586
		Average Aroclor-1232					0.000	1.586
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	8.59	0.00	66	0	1.242	N.D. #
16)	L4	Aroclor-1242 {3}	0.00	12.19	0	77	N.D.	1.793 #
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			66	77	1.242	1.793
		Average Aroclor-1242					1.242	1.793
19)	L5	Aroclor-1248	10.46f	0.00	282	0	10.500	N.D. #

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D\E1A1329R.D
Acq On : 03 Aug 97 10:44 PM Operator: JS/GML
Sample : P0801-B1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.69f	0.00	45	0	2.020	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			327	0	12.520	N.D.
Average Aroclor-1248					6.260	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	17.32	0.00	192	0	5.905	N.D. #
28) L7 Aroclor-1260 {2}	0.00	22.53	0	253	N.D.	4.292 #
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			192	253	5.905	4.292
Average Aroclor-1260					5.905	4.292

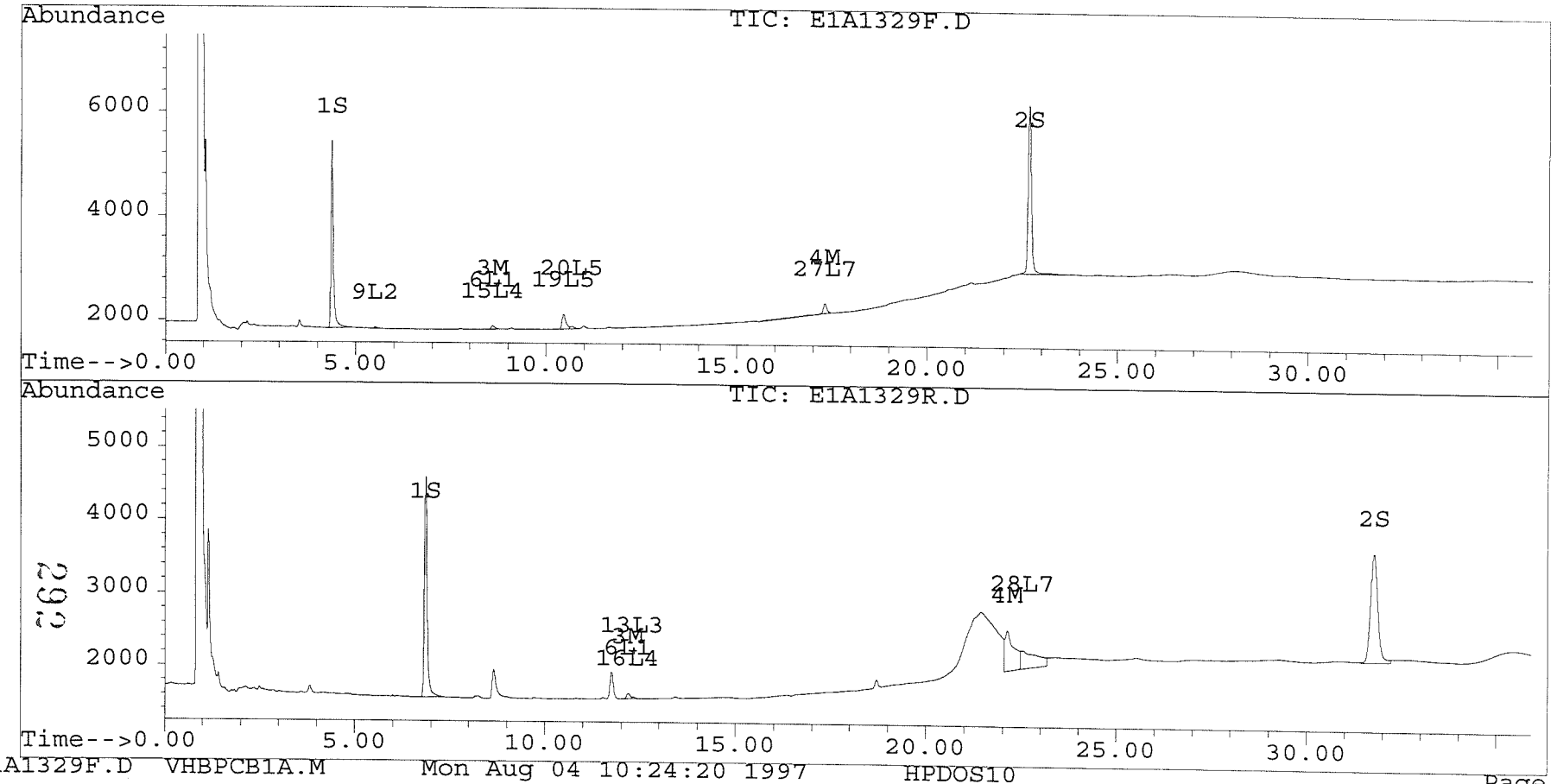
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1329F.D\E1A1329R.D
Acq On : 03 Aug 97 10:44 PM Operator: JS/GML
Sample : P0801-B1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D\E1A1330R.D
Acq On : 03 Aug 97 11:24 PM Operator: JS/GML
Sample : P0801-LCS1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	2933	2607	12.840	12.345
				Recovery	=	32.10%	30.86%
2) S	Decachlorobiphenyl	22.68	31.77	2977	1349	12.233	11.901
				Recovery	=	30.58%	29.75%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	61853	61733	693.327	698.745
4) M	2,2',3,3',4,4'-Hexa	17.31	22.13	126572	120447	695.497	731.760
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 (2)	8.57	12.17	61853	61733	1364.131	1669.134
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			61853	61733	1364.131	1669.134
Average	Aroclor-1016					1364.131	1669.134
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	34	0	5.055	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			34	0	5.055	N.D.
Average	Aroclor-1221					5.055	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)	8.57	0.00	61853	0	1158.912	N.D. #
16) L4	Aroclor-1242 (3)	0.00	12.17	0	61733	N.D.	1435.627 #
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			61853	61733	1158.912	1435.627
Average	Aroclor-1242					1158.912	1435.627
19) L5	Aroclor-1248	10.46f	0.00	281	0	10.465	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D\E1A1330R.D
Acq On : 03 Aug 97 11:24 PM Operator: JS/GML
Sample : P0801-LCS1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.68f	0.00	102	0	4.563	N.D. #
21) L5	Aroclor-1248 {3}	11.83f	15.71	26	28	0.922	1.134
Total	Aroclor-1248			409	28	15.950	1.134
Average	Aroclor-1248					5.317	1.134
22) L6	Aroclor-1254	0.00	17.76f	0	8	N.D.	0.239 #
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6	Aroclor-1254 {3}	14.28	0.00	379	0	10.394	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			379	8	10.394	0.239
Average	Aroclor-1254					10.394	0.239
27) L7	Aroclor-1260	17.31	0.00	126572	0	3897.630	N.D. #
28) L7	Aroclor-1260 {2}	18.30	0.00	34	0	0.543	N.D. #
29) L7	Aroclor-1260 {3}	19.43	24.45	67	51	1.492	2.074 #
Total	Aroclor-1260			126672	51	3899.665	2.074
Average	Aroclor-1260					1299.888	2.074

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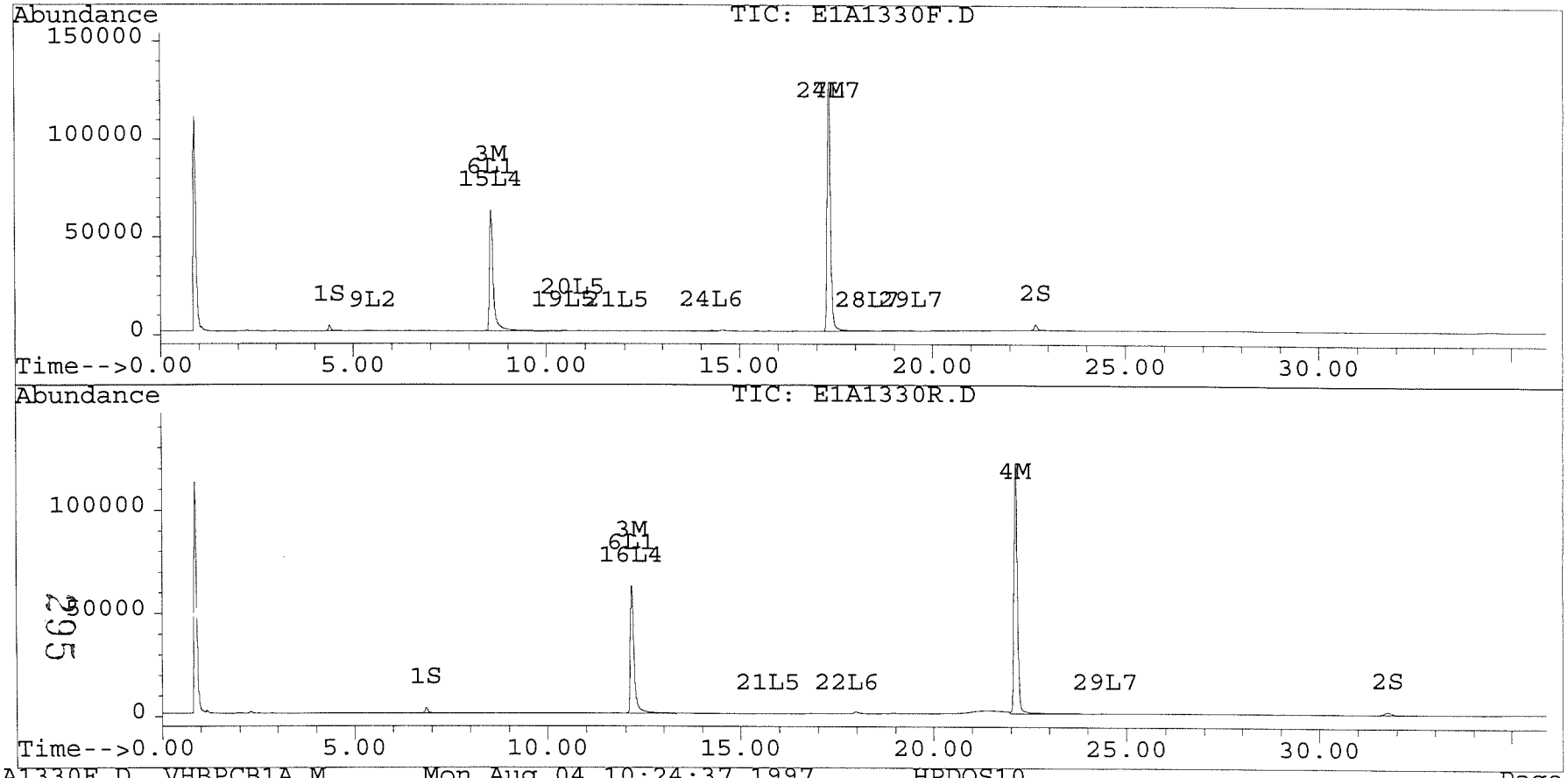
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1330F.D\E1A1330R.D
Acq On : 03 Aug 97 11:24 PM Operator: JS/GML
Sample : P0801-LCS1, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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



E1A1330F.D VHBPCB1A.M Mon Aug 04 10:24:37 1997 HPDOS10 Page 3

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D\E1A1331R.D
Acq On : 04 Aug 97 00:04 AM Operator: JS/GML
Sample : D1145-41, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3728	3287	16.316	15.567
					Recovery	=	40.79%	38.92%
2)	S	Decachlorobiphenyl	22.68	31.77	3231	1623	13.277	14.313
					Recovery	=	33.19%	35.78%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.57	12.17	800	662	8.962	7.488
4)	M	2,2',3,3',4,4'-Hexa	17.31	22.14	241	509	1.322	3.095 #
5)	L1	Aroclor-1016	7.13	10.81	257	240	8.171	8.113
6)	L1	Aroclor-1016 {2}	8.57	12.17	800	662	17.633	17.887
7)	L1	Aroclor-1016 {3}	9.67	12.75	552	231	22.878	13.319 #
	Total	Aroclor-1016			1609	1132	48.682	39.319
	Average	Aroclor-1016					16.227	13.106
8)	L2	Aroclor-1221	3.62	0.00	107	0	13.366	N.D. #
9)	L2	Aroclor-1221 {2}	5.52	0.00	142	0	20.854	N.D. #
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			249	0	34.220	N.D.
	Average	Aroclor-1221					17.110	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	7.13	10.81	257	240 BDL	7.024	6.905
15)	L4	Aroclor-1242 {2}	8.57	0.00	800	0	14.980	N.D. #
16)	L4	Aroclor-1242 {3}	8.95	12.17	253	662	11.871	15.384 #
17)	L4	Aroclor-1242 (4)	9.28	12.75	342	231	19.475	11.424 #
18)	L4	Aroclor-1242 (5)	9.67	13.34	552	380	19.605	19.668
	Total	Aroclor-1242			2203	1513	72.955	53.381
	Average	Aroclor-1242					14.591	13.345
19)	L5	Aroclor-1248	10.43	14.96	640	478	23.812	31.757 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D\E1A1331R.D
Acq On : 04 Aug 97 00:04 AM Operator: JS/GML
Sample : D1145-41, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.73	15.47	617	351	27.591	14.714 #
21) L5 Aroclor-1248 (3)	0.00	15.71	0	301	N.D.	12.096 #
Total Aroclor-1248			1256	1131	51.403	58.567
Average Aroclor-1248					25.702	19.522
22) L6 Aroclor-1254	0.00	17.71	0	326	N.D.	9.274 #
23) L6 Aroclor-1254 (2)	13.80	18.10	634	543	8.379	7.051
24) L6 Aroclor-1254 (3)	14.29	18.54	420	455	11.519	9.513
25) L6 Aroclor-1254 (4)	14.64	19.05	528	420	11.580	12.815
26) L6 Aroclor-1254 (5)	16.19	20.61	482	550	8.000	10.600 #
Total Aroclor-1254			2064	2295	39.478	49.253
Average Aroclor-1254					9.869	9.851
27) L7 Aroclor-1260	17.31	22.00	241	424	7.407	16.941 #
28) L7 Aroclor-1260 (2)	18.30	22.50	134	459	2.143	7.800 #
29) L7 Aroclor-1260 (3)	19.42	24.49f	75	451	1.669	18.245 #
Total Aroclor-1260			449	1335	11.219	42.985
Average Aroclor-1260					3.740	14.328

BD

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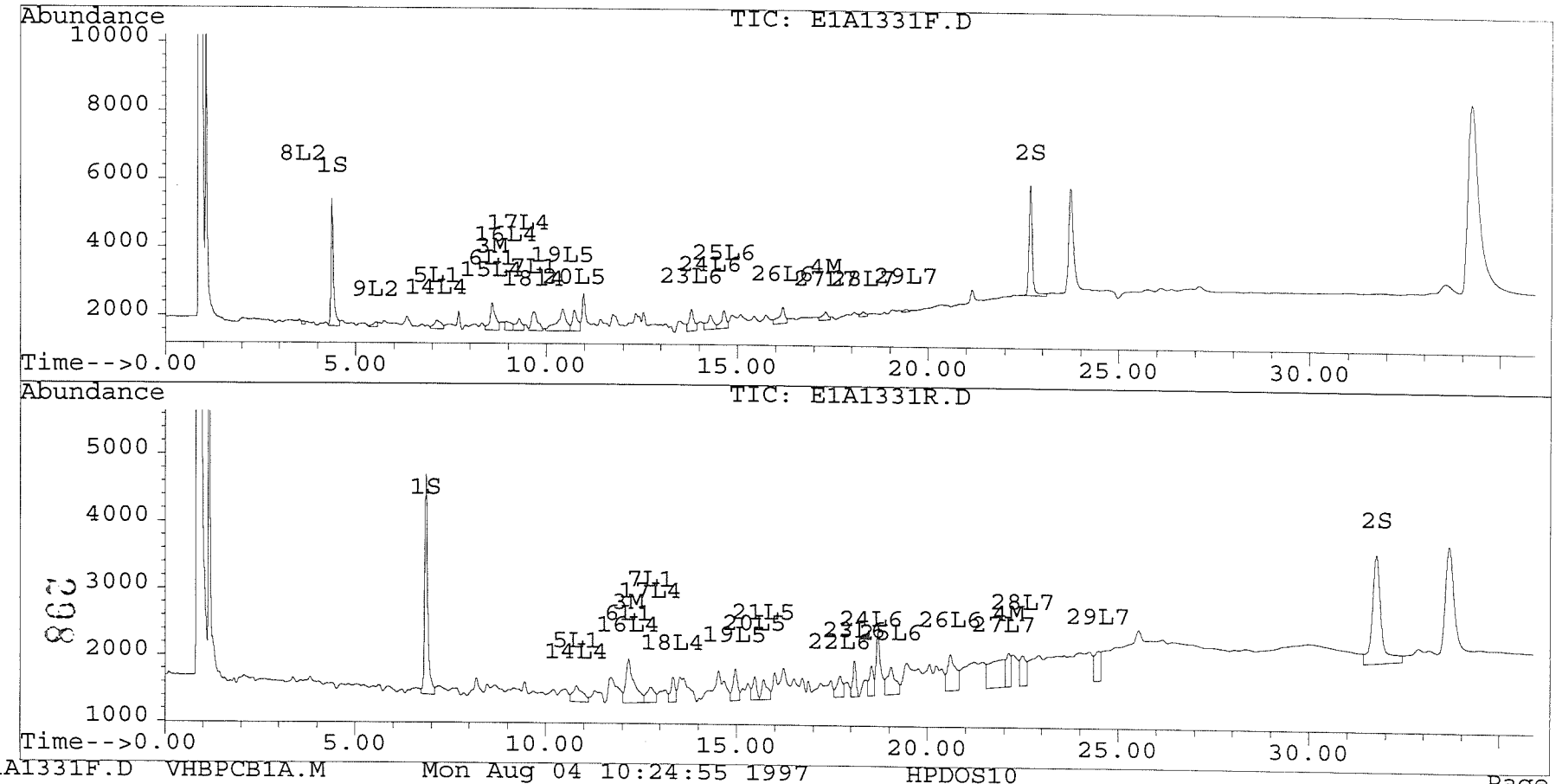
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1331F.D\E1A1331R.D
Acq On : 04 Aug 97 00:04 AM Operator: JS/GML
Sample : D1145-41, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D\E1A1332R.D
Acq On : 04 Aug 97 00:43 AM Operator: JS/GML
Sample : D1145-41MS, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3805	3418	16.653	16.188
					Recovery	=	41.63%	40.47%
2)	S	Decachlorobiphenyl	22.68	31.77	3344	1634	13.741	14.416
					Recovery	=	34.35%	36.04%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.56	12.17	84314	80402	945.099	910.065
4)	M	2,2',3,3',4,4'-Hexa	17.31	22.13	146629	136108	805.709	826.905
5)	L1	Aroclor-1016	7.13	10.81	252	225	8.031	7.625
6)	L1	Aroclor-1016 (2)	8.56	12.17	84314	80402	1859.497	2173.926
7)	L1	Aroclor-1016 (3)	9.68	0.00	543	0	22.485	N.D. #
		Total Aroclor-1016			85109	80628	1890.013	2181.551
		Average Aroclor-1016					630.004	1090.775
8)	L2	Aroclor-1221	3.62	0.00	95	0	11.883	N.D. #
9)	L2	Aroclor-1221 (2)	5.52	0.00	164	0	24.118	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			259	0	36.001	N.D.
		Average Aroclor-1221					18.000	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	7.13	10.81	252	225	6.905	6.490
15)	L4	Aroclor-1242 (2)	8.56	0.00	84314	0	1579.756	N.D. #
16)	L4	Aroclor-1242 (3)	0.00	12.17	0	80402	N.D.	1869.800 #
17)	L4	Aroclor-1242 (4)	9.27	0.00	552	0	31.458	N.D. #
18)	L4	Aroclor-1242 (5)	9.68	13.34	543	398	19.267	20.603
		Total Aroclor-1242			85660	81026	1637.386	1896.893
		Average Aroclor-1242					409.346	632.298
19)	L5	Aroclor-1248	10.42	14.96	590	327	21.943	21.690

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1332F.D VHBPCB1A.M Mon Aug 04 10:25:04 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D\E1A1332R.D
Acq On : 04 Aug 97 00:43 AM Operator: JS/GML
Sample : D1145-41MS, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.47	521	225	23.319	9.413 #
21) L5	Aroclor-1248 {3}	11.80	15.71	405	223	14.386	8.945 #
Total	Aroclor-1248			1515	774	59.649	40.048
Average	Aroclor-1248					19.883	13.349
22) L6	Aroclor-1254	0.00	17.71	0	240	N.D.	6.824 #
23) L6	Aroclor-1254 {2}	13.80	0.00	485	0	6.413	N.D. #
24) L6	Aroclor-1254 {3}	14.28	18.54	827	319	22.707	6.670 #
25) L6	Aroclor-1254 (4)	14.63	0.00	525	0	11.500	N.D. #
26) L6	Aroclor-1254 (5)	16.19	20.61	287	455	4.769	8.769 #
Total	Aroclor-1254			2125	1014	45.389	22.263
Average	Aroclor-1254					11.347	7.421
27) L7	Aroclor-1260	17.31	0.00	146629	0	4515.268	N.D. #
28) L7	Aroclor-1260 {2}	18.30	0.00	71	0	1.142	N.D. #
29) L7	Aroclor-1260 {3}	19.42	24.47	153	431	3.433	17.433 #
Total	Aroclor-1260			146854	431	4519.843	17.433
Average	Aroclor-1260					1506.614	17.433

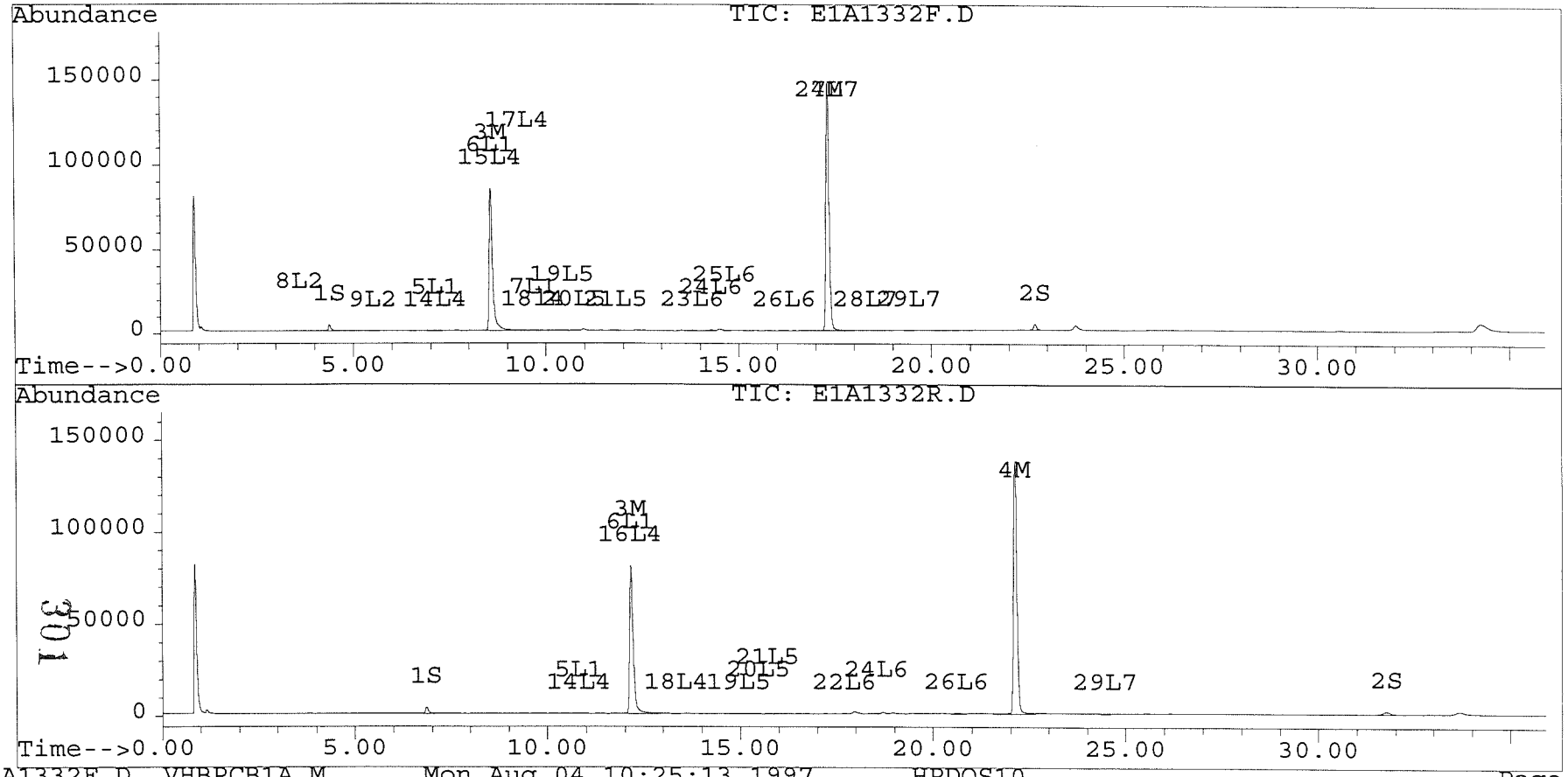
300

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1332F.D\E1A1332R.D
Acq On : 04 Aug 97 00:43 AM Operator: JS/GML
Sample : D1145-41MS, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D\E1A1333R.D
Acq On : 04 Aug 97 01:23 AM Operator: JS/GML
Sample : D1145-41MSD, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3646	3169	15.961	15.010
					Recovery	=	39.90%	37.53%
2)	S	Decachlorobiphenyl	22.68	31.77	3011	1417	12.373	12.503
					Recovery	=	30.93%	31.26%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.56	12.17	81548	78063	914.104	883.587
4)	M	2,2',3,3',4,4'-Hexa	17.31	22.13	130543	120969	717.317	734.933
5)	L1	Aroclor-1016	7.13	10.81	260	229	8.286	7.757
6)	L1	Aroclor-1016 (2)	8.56	12.17	81548	78063	1798.514	2110.678
7)	L1	Aroclor-1016 (3)	9.68	0.00	516	0	21.351	N.D. #
		Total Aroclor-1016			82324	78292	1828.152	2118.435
		Average Aroclor-1016					609.384	1059.217
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.51	0.00	164	0	24.084	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			164	0	24.084	N.D.
		Average Aroclor-1221					24.084	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	7.13	10.81	260	229	7.124	6.602
15)	L4	Aroclor-1242 (2)	8.56	0.00	81548	0	1527.947	N.D. #
16)	L4	Aroclor-1242 (3)	0.00	12.17	0	78063	N.D.	1815.400 #
17)	L4	Aroclor-1242 (4)	9.27	0.00	527	0	30.030	N.D. #
18)	L4	Aroclor-1242 (5)	9.68	13.34	516	394	18.296	20.374
		Total Aroclor-1242			82851	78686	1583.397	1842.376
		Average Aroclor-1242					395.849	614.125
19)	L5	Aroclor-1248	10.43	14.96	588	318	21.893	21.127

-1

302

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D\E1A1333R.D
Acq On : 04 Aug 97 01:23 AM Operator: JS/GML
Sample : D1145-41MSD, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.47	493	231	22.077	9.690 #
21) L5	Aroclor-1248 {3}	11.80	15.71	392	226	13.926	9.068 #
Total	Aroclor-1248			1473	775	57.895	39.885
Average	Aroclor-1248					19.298	13.295
22) L6	Aroclor-1254	0.00	17.71	0	250	N.D.	7.121 #
23) L6	Aroclor-1254 {2}	13.80	0.00	497	0	6.563	N.D. #
24) L6	Aroclor-1254 {3}	14.28	18.54	787	335	21.611	7.007 #
25) L6	Aroclor-1254 (4)	14.63	0.00	552	0	12.094	N.D. #
26) L6	Aroclor-1254 (5)	16.19	20.62	308	521	5.109	10.037 #
Total	Aroclor-1254			2144	1106	45.378	24.166
Average	Aroclor-1254					11.344	8.055
27) L7	Aroclor-1260	17.31	0.00	130543	0	4019.910	N.D. #
28) L7	Aroclor-1260 {2}	18.30	0.00	115	0	1.846	N.D. #
29) L7	Aroclor-1260 {3}	19.42	24.47	121	333	2.700	13.470 #
Total	Aroclor-1260			130779	333	4024.456	13.470
Average	Aroclor-1260					1341.485	13.470

303

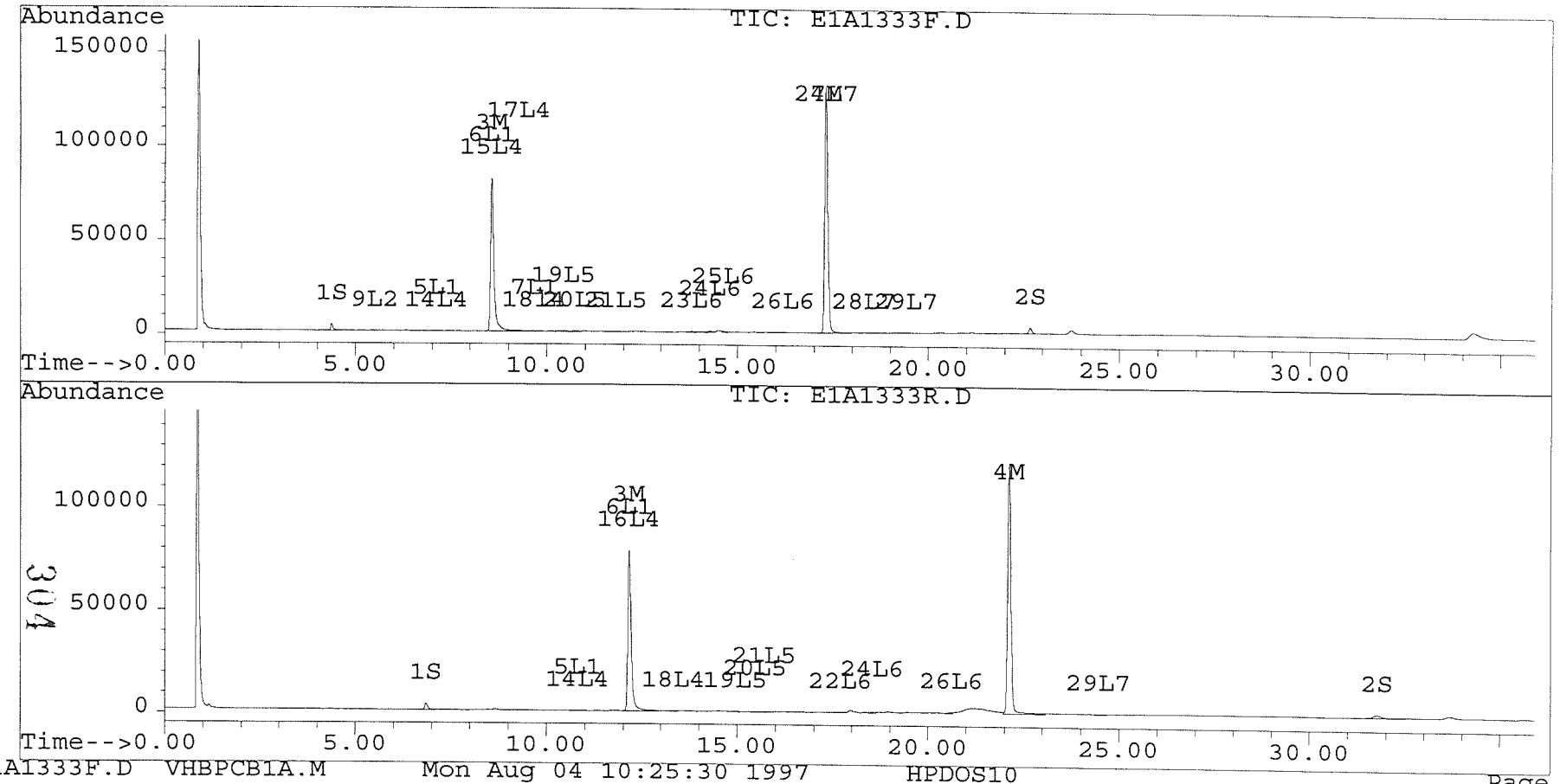
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1333F.D\E1A1333R.D
Acq On : 04 Aug 97 01:23 AM Operator: JS/GML
Sample : D1145-41MSD, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D\E1A1334R.D
Acq On : 04 Aug 97 02:02 AM Operator: JS/GML
Sample : D1145-42, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3269	2785	14.308	13.189
				Recovery	=	35.77%	32.97%
2) S	Decachlorobiphenyl	22.68	31.77	3594	1675	14.770	14.779
				Recovery	=	36.93%	36.95%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.56	12.16	10531	8226	118.045	93.105
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	2519	2191	13.843	13.309
5) L1	Aroclor-1016	7.12	10.80	3463	3385	110.235	114.481
6) L1	Aroclor-1016 (2)	8.56	12.16	10531	8226	232.255	222.405
7) L1	Aroclor-1016 (3)	9.65	12.75	9053	2180	374.925	125.705 #
Total	Aroclor-1016			23047	13791	717.415	462.591
Average	Aroclor-1016					239.138	154.197
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	82	0	12.066	N.D. #
10) L2	Aroclor-1221 (3)	0.00	9.44f	0	1363	N.D.	84.442 #
Total	Aroclor-1221			82	1363	12.066	84.442
Average	Aroclor-1221					12.066	84.442
11) L3	Aroclor-1232	0.00	9.44f	0	1363	N.D.	93.430 #
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	1363	N.D.	93.430
Average	Aroclor-1232					0.000	93.430
14) L4	Aroclor-1242	7.12	10.80	3463	3385	94.770	97.436
15) L4	Aroclor-1242 (2)	8.56	11.88	10531	1522	197.315	100.140 #
16) L4	Aroclor-1242 (3)	8.95	12.16	2313	8226	108.430	191.291 #
17) L4	Aroclor-1242 (4)	9.28	12.75	3493	2180	199.170	107.815 #
18) L4	Aroclor-1242 (5)	9.65	13.34	9053	6167	321.279	318.895
Total	Aroclor-1242			28853	21480	920.965	815.577
Average	Aroclor-1242					184.193	163.115
19) L5	Aroclor-1248	10.42	14.96	8207	4902	305.492	325.393

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D\E1A1334R.D
Acq On : 04 Aug 97 02:02 AM Operator: JS/GML
Sample : D1145-42, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.72	15.48	6835	4818	305.881	201.996 #
21) L5	Aroclor-1248 {3}	0.00	15.70	0	5545	N.D.	222.679 #
Total	Aroclor-1248			15042	15265	611.373	750.069
Average	Aroclor-1248					305.686	250.023
22) L6	Aroclor-1254	13.45	17.71	4149	3907	116.106	111.099
23) L6	Aroclor-1254 {2}	13.79	18.10	9226	8753	121.958	113.573
24) L6	Aroclor-1254 {3}	14.29	18.53	4654	5392	127.716	112.706
25) L6	Aroclor-1254 (4)	14.64	19.05	5808	4125	127.280	125.739
26) L6	Aroclor-1254 (5)	16.19	20.60	7095	5926	117.793	114.237
Total	Aroclor-1254			30933	28102	610.853	577.355
Average	Aroclor-1254					122.171	115.471
27) L7	Aroclor-1260	17.32	22.00	2519	1218	77.578	48.615 #
28) L7	Aroclor-1260 {2}	18.30	22.50	2031	1955	32.518	33.195
29) L7	Aroclor-1260 {3}	19.42	24.45	1526	838	34.154	33.889
Total	Aroclor-1260			6076	4011	144.249	115.699
Average	Aroclor-1260					48.083	38.566

$AR1247 = \frac{(197+199)\times\frac{5}{2}\times 25}{15\times 0.91} = 182$

$AR1254 = \frac{577\times 25}{15\times 0.91} = 1102$

306

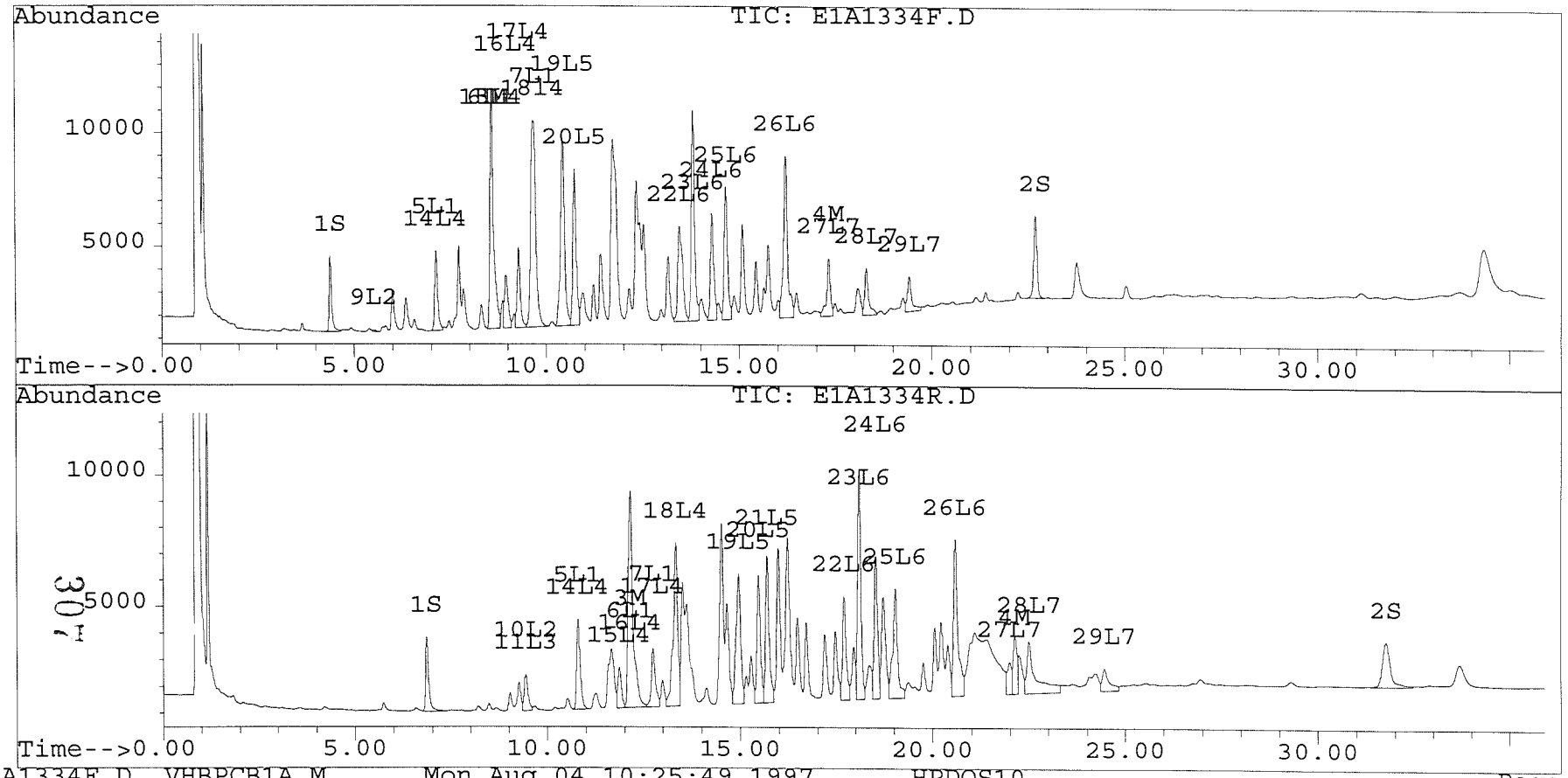
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1334F.D VHBPCB1A.M Mon Aug 04 10:25:41 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1334F.D\E1A1334R.D
Acq On : 04 Aug 97 02:02 AM Operator: JS/GML
Sample : D1145-42, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D\E1A1340R.D
Acq On : 04 Aug 97 05:59 AM Operator: JS/GML
Sample : D1145-43, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	6664	3369	29.170	15.956 #
				Recovery	=	72.93%	39.89%
2) S	Decachlorobiphenyl	22.68	31.76	3384	1601	13.904	14.126
				Recovery	=	34.76%	35.32%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	12.18	0	253	N.D.	2.865 #
4) M	2,2',3,3',4,4'-Hexa	17.27	0.00	213	0	1.170	N.D. #
5) L1	Aroclor-1016	7.15f	10.81	3805	264	121.120	8.935 #
6) L1	Aroclor-1016 (2)	0.00	12.18	0	253	N.D.	6.843 #
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			3805	517	121.120	15.778
Average	Aroclor-1016					121.120	7.889
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)	6.06	9.36	3864	370	205.869	22.933 #
Total	Aroclor-1221			3864	370	205.869	22.933
Average	Aroclor-1221					205.869	22.933
11) L3	Aroclor-1232	6.06	9.36	3864	370	237.719	25.374 #
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			3864	370	237.719	25.374
Average	Aroclor-1232					237.719	25.374
14) L4	Aroclor-1242	7.15	10.81	3805	264	104.128	7.605 #
15) L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.	N.D.
16) L4	Aroclor-1242 (3)	0.00	12.18	0	253	N.D.	5.886 #
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			3805	517	104.128	13.490
Average	Aroclor-1242					104.128	6.745
19) L5	Aroclor-1248	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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D\E1A1340R.D
Acq On : 04 Aug 97 05:59 AM Operator: JS/GML
Sample : D1145-43, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

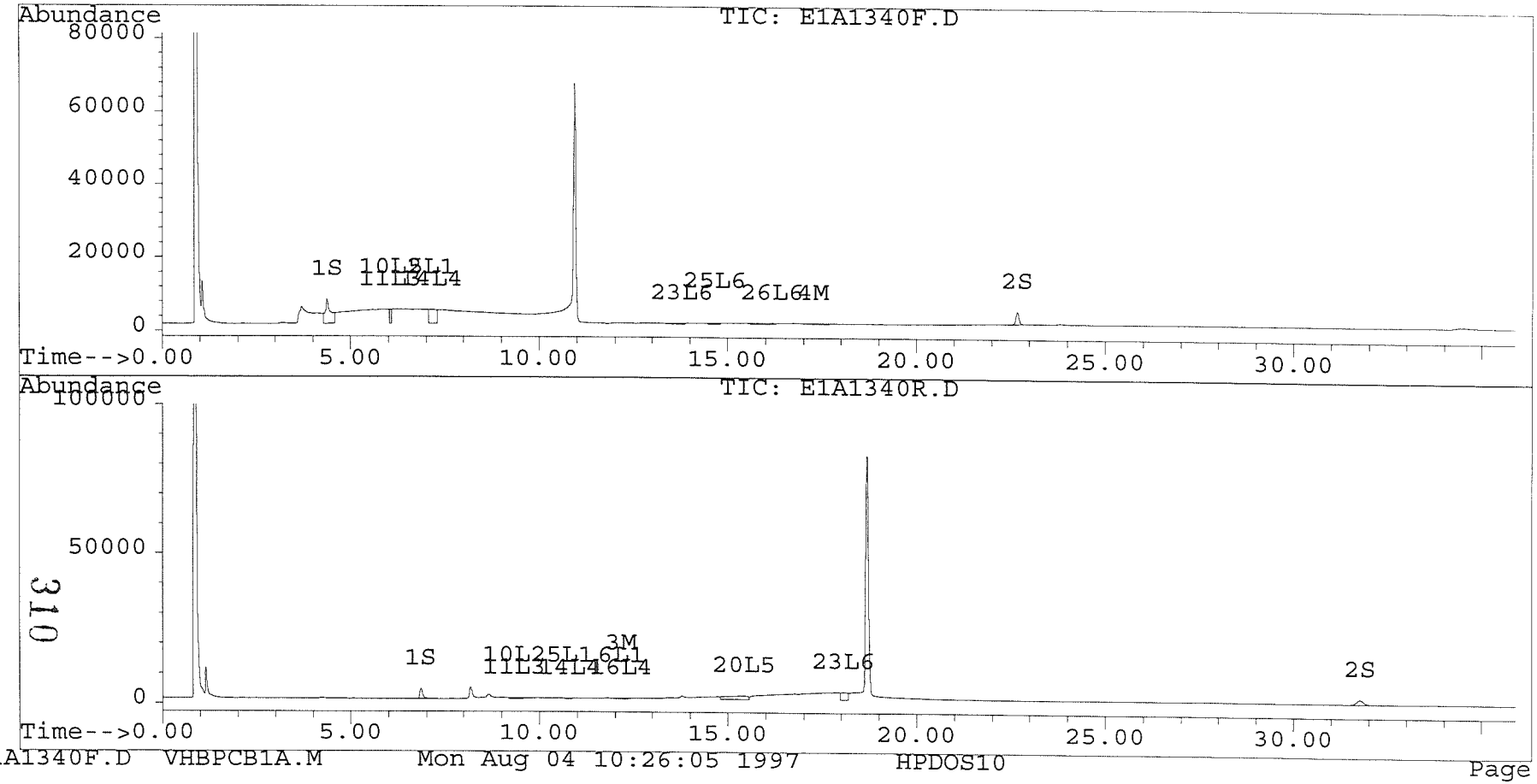
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	15.44f	0	1202	N.D.	50.413 #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	1202	N.D.	50.413
Average Aroclor-1248					0.000	50.413
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	13.81	18.08	208	2518	2.752	32.672 #
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	N.D.
25) L6 Aroclor-1254 (4)	14.67	0.00	225	0	4.927	N.D. #
26) L6 Aroclor-1254 (5)	16.19	0.00	253	0	4.208	N.D. #
Total Aroclor-1254			687	2518	11.888	32.672
Average Aroclor-1254					3.963	32.672
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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1340F.D\E1A1340R.D
Acq On : 04 Aug 97 05:59 AM Operator: JS/GML
Sample : D1145-43, Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D\E1A1341R.D
Acq On : 04 Aug 97 06:39 AM Operator: JS/GML
Sample : D1145-44,N5-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3881	3329	16.988	15.766
				Recovery	=	42.47%	39.42%
2) S	Decachlorobiphenyl	22.67	31.76	3535	1586	14.527	13.991
				Recovery	=	36.32%	34.98%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.59	12.18	64	47	0.718	0.536 #
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	61	242	0.336	1.471 #
5) L1	Aroclor-1016	7.12	10.81	48	49	1.523	1.673
6) L1	Aroclor-1016 {2}	8.59	12.18	64	47	1.412	1.281
7) L1	Aroclor-1016 {3}	9.65	12.77	148	27	6.120	1.549 #
Total	Aroclor-1016			260	124	9.055	4.502
Average	Aroclor-1016					3.018	1.501
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	38	0	5.572	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			38	0	5.572	N.D.
Average	Aroclor-1221					5.572	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	7.12	10.81	48	49	1.309	1.424
15) L4	Aroclor-1242 {2}	8.59	0.00	64	0	1.200	N.D. #
16) L4	Aroclor-1242 {3}	0.00	12.18	0	47	N.D.	1.102 #
17) L4	Aroclor-1242 (4)	0.00	12.77	0	27	N.D.	1.328 #
18) L4	Aroclor-1242 (5)	9.65	0.00	148	0	5.245	N.D. #
Total	Aroclor-1242			260	124	7.754	3.854
Average	Aroclor-1242					2.585	1.285
19) L5	Aroclor-1248	10.43	14.97	196	193	7.293	12.832 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D\E1A1341R.D
Acq On : 04 Aug 97 06:39 AM Operator: JS/GML
Sample : D1145-44,N5-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

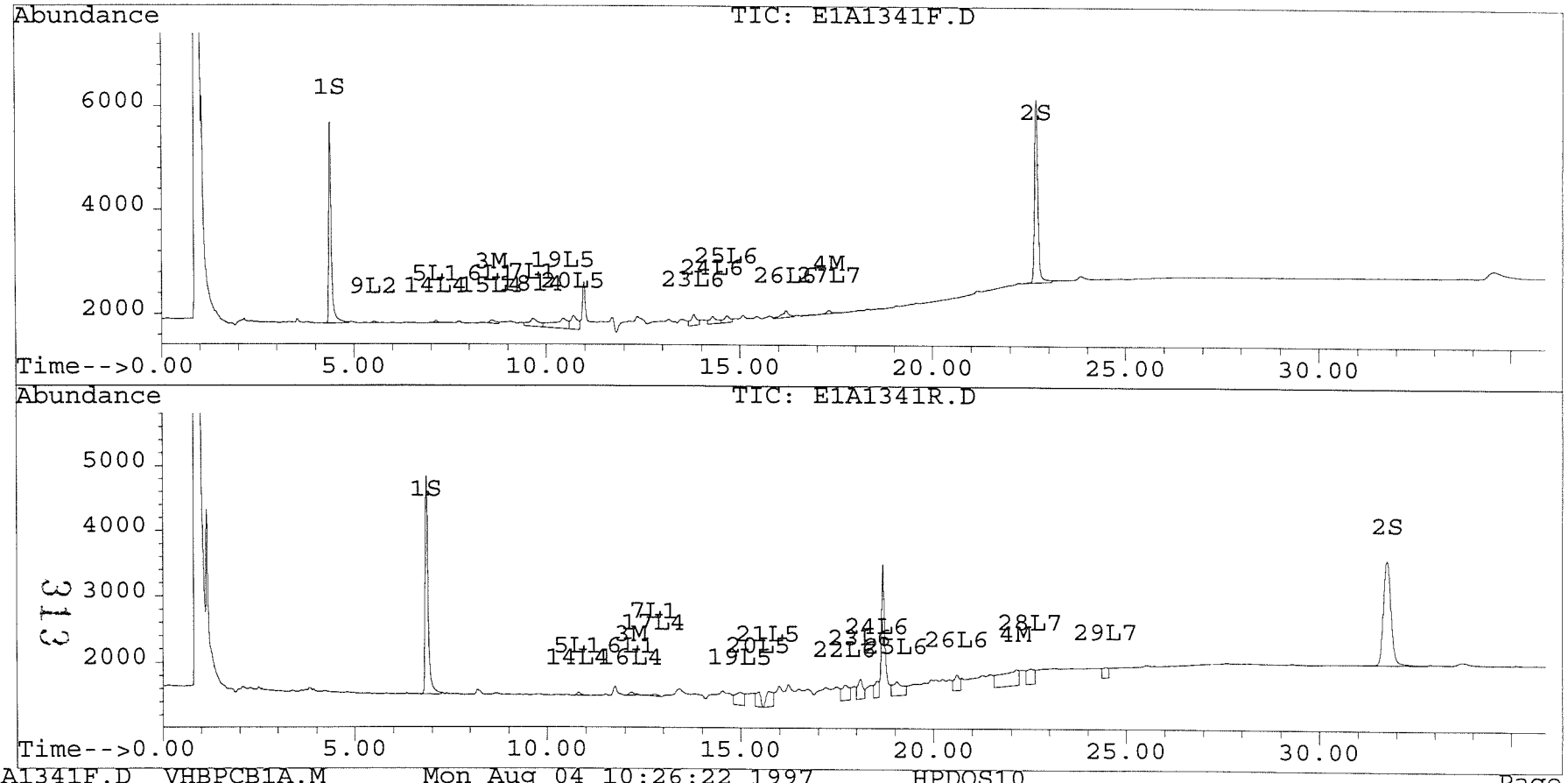
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.70	15.46	260	229	11.648	9.609
21) L5	Aroclor-1248 {3}	0.00	15.72	0	231	N.D.	9.278 #
Total	Aroclor-1248			456	654	18.941	31.719
Average	Aroclor-1248					9.471	10.573
22) L6	Aroclor-1254	0.00	17.71	0	234	N.D.	6.646 #
23) L6	Aroclor-1254 {2}	13.80	18.10	212	299	2.805	3.880 #
24) L6	Aroclor-1254 {3}	14.29	18.55	141	250	3.862	5.226 #
25) L6	Aroclor-1254 (4)	14.66	19.05	132	215	2.891	6.549 #
26) L6	Aroclor-1254 (5)	16.20	20.60	132	238	2.193	4.584 #
Total	Aroclor-1254			617	1235	11.751	26.885
Average	Aroclor-1254					2.938	5.377
27) L7	Aroclor-1260	17.32	0.00	61	0	1.882	N.D. #
28) L7	Aroclor-1260 {2}	0.00	22.50	0	233	N.D.	3.954 #
29) L7	Aroclor-1260 {3}	0.00	24.47	0	155	N.D.	6.285 #
Total	Aroclor-1260			61	388	1.882	10.239
Average	Aroclor-1260					1.882	5.119

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1341F.D\E1A1341R.D
Acq On : 04 Aug 97 06:39 AM Operator: JS/GML
Sample : D1145-44,N5-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D\E1A1342R.D
Acq On : 04 Aug 97 07:19 AM Operator: JS/GML
Sample : D1145-45,N6-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3625	3319	15.868	15.717
				Recovery	=	39.67%	39.29%
2) S	Decachlorobiphenyl	22.68	31.76	3640	1663	14.956	14.667
				Recovery	=	37.39%	36.67%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.16	3884	3086	43.540	34.930
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	527	410	2.895	2.488
5) L1	Aroclor-1016	7.12	10.80	2920	2705	92.936	91.500
6) L1	Aroclor-1016 (2)	8.58	12.16	3884	3086	85.666	83.440
7) L1	Aroclor-1016 (3)	9.66	12.76	2834	1298	117.378	74.821 #
Total	Aroclor-1016			9638	7089	295.980	249.761
Average	Aroclor-1016					98.660	83.254
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	82	0	12.005	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			82	0	12.005	N.D.
Average	Aroclor-1221					12.005	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	7.12	10.80	2920	2705	79.897	77.877
15) L4	Aroclor-1242 (2)	8.58	11.88	3884	1177	72.779	77.454
16) L4	Aroclor-1242 (3)	8.96	12.16	1390	3086	65.159	71.767
17) L4	Aroclor-1242 (4)	9.29	12.76	1347	1298	76.788	64.173
18) L4	Aroclor-1242 (5)	9.66	13.34	2834	1902	100.583	98.357
Total	Aroclor-1242			12375	10169	395.207	389.628
Average	Aroclor-1242					79.041	77.926
19) L5	Aroclor-1248	10.42	14.97	2462	1632	91.626	108.347

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D\E1A1342R.D
Acq On : 04 Aug 97 07:19 AM Operator: JS/GML
Sample : D1145-45,N6-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	2260	1413	101.156	59.259 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	1396	N.D.	56.053 #
Total Aroclor-1248			4722	4441	192.781	223.659
Average Aroclor-1248					96.391	74.553
22) L6 Aroclor-1254	13.45	17.71	850	890	23.778	25.303
23) L6 Aroclor-1254 {2}	13.80	18.10	1858	1902	24.557	24.679
24) L6 Aroclor-1254 {3}	14.29	18.54	974	1347	26.741	28.153
25) L6 Aroclor-1254 (4)	14.65	19.05	1274	898	27.920	27.380
26) L6 Aroclor-1254 (5)	16.19	20.60	1433	1182	23.799	22.784
Total Aroclor-1254			6390	6219	126.796	128.300
Average Aroclor-1254					25.359	25.660
27) L7 Aroclor-1260	17.32	22.00	527	173	16.223	6.912 #
28) L7 Aroclor-1260 {2}	18.30	22.50	357	335	5.710	5.697
29) L7 Aroclor-1260 {3}	19.42	24.45	252	188	5.632	7.605 #
Total Aroclor-1260			1135	697	27.565	20.213
Average Aroclor-1260					9.188	6.738

AR 1242 = $\frac{\left(\begin{matrix}79.89\\12.75\\05.14\\16.19\end{matrix}\right) \times \frac{5}{4} \times 25}{15 \times 0.85} = 120$

AR 1254 $\frac{127 \times 25}{15 \times 0.85} = 25$

315

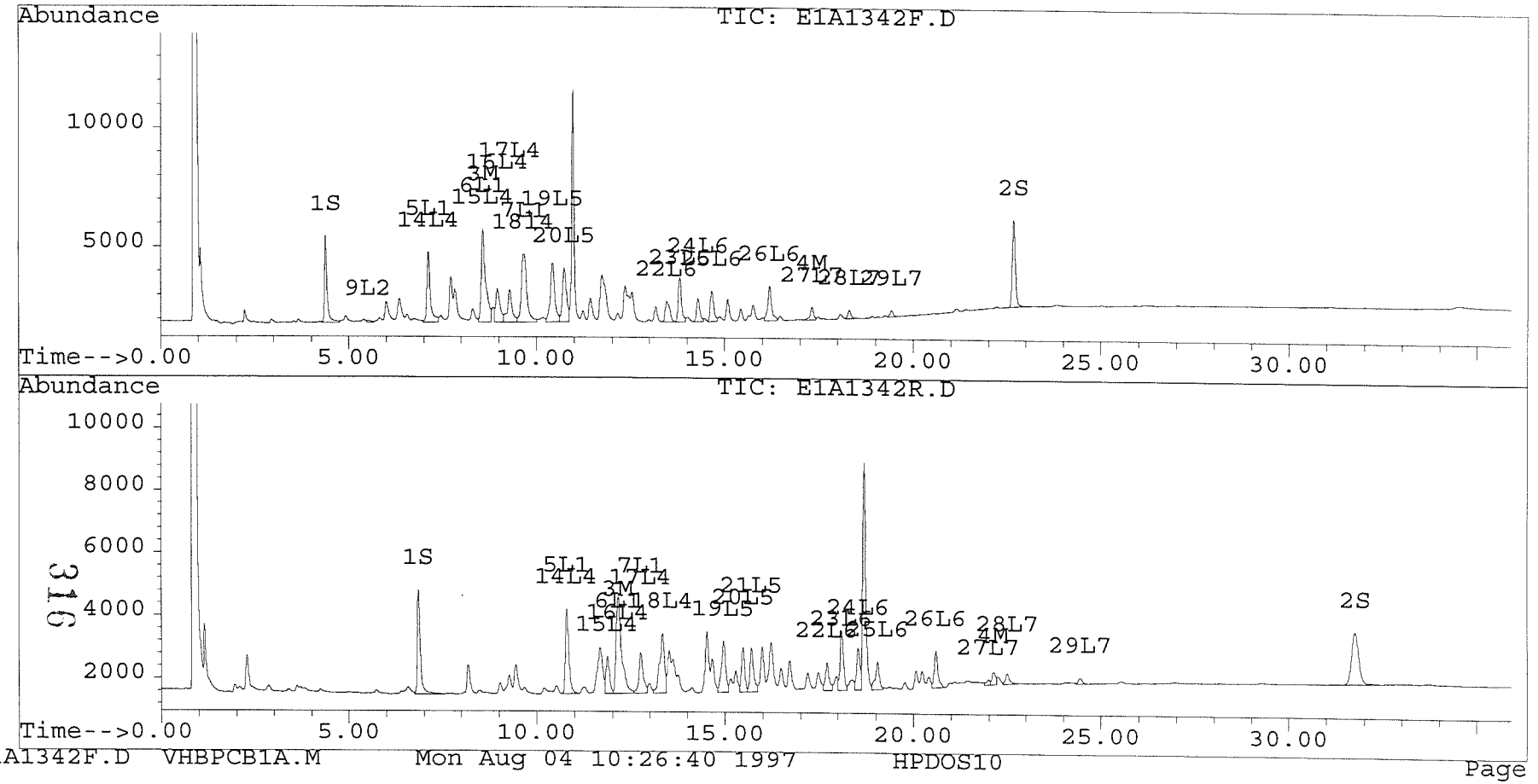
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1342F.D VHBPCB1A.M Mon Aug 04 10:26:33 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1342F.D\E1A1342R.D
Acq On : 04 Aug 97 07:19 AM Operator: JS/GML
Sample : D1145-45,N6-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D\E1A1343R.D
Acq On : 04 Aug 97 07:58 AM Operator: JS/GML
Sample : D1145-46,N7-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3732	3332	16.337	15.779	
				Recovery	=	40.84%	39.45%	
2) S	Decachlorobiphenyl	22.68	31.79	3444	1924	14.152	16.975	
				Recovery	=	35.38%	42.44%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.57	12.17	2350	1604	26.344	18.152	#
4) M	2,2',3,3',4,4'-Hexa	17.32	22.15	436	533	2.398	3.238	#
5) L1	Aroclor-1016	7.13	10.81	783	530	24.915	17.929	#
6) L1	Aroclor-1016 (2)	8.57	12.17	2350	1604	51.832	43.361	
7) L1	Aroclor-1016 (3)	9.66	12.75	1739	453	72.007	26.117	#
Total	Aroclor-1016			4872	2587	148.754	87.406	
Average	Aroclor-1016					49.585	29.135	
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9) L2	Aroclor-1221 (2)	5.52	0.00	415	0	61.029	N.D.	#
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.	
Total	Aroclor-1221			415	0	61.029	N.D.	
Average	Aroclor-1221					61.029	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	7.13	10.81	783	530	21.420	15.259	#
15) L4	Aroclor-1242 (2)	8.57	11.88	2350	335	44.034	22.054	#
16) L4	Aroclor-1242 (3)	8.95	12.17	785	1604	36.774	37.295	
17) L4	Aroclor-1242 (4)	9.28	12.75	1042	453	59.441	22.400	#
18) L4	Aroclor-1242 (5)	9.66	13.35	1739	907	61.704	46.874	
Total	Aroclor-1242			6698	3829	223.373	143.882	
Average	Aroclor-1242					44.675	28.776	
19) L5	Aroclor-1248	10.42	14.97	1831	1317	68.153	87.429	#

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D\E1A1343R.D
Acq On : 04 Aug 97 07:58 AM Operator: JS/GML
Sample : D1145-46,N7-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	2180	960	97.555	40.267 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	928	N.D.	37.265 #
Total	Aroclor-1248			4011	3205	165.709	164.962
Average	Aroclor-1248					82.854	54.987
22) L6	Aroclor-1254	13.46	17.72	650	791	18.191	22.483
23) L6	Aroclor-1254 {2}	13.80	18.10	1432	1381	18.924	17.924
24) L6	Aroclor-1254 {3}	14.29	18.54	824	1115	22.610	23.301
25) L6	Aroclor-1254 (4)	14.65	19.05	1092	781	23.921	23.792
26) L6	Aroclor-1254 (5)	16.20	20.61	1082	1032	17.962	19.892
Total	Aroclor-1254			5079	5099	101.607	107.392
Average	Aroclor-1254					20.321	21.478
27) L7	Aroclor-1260	17.32	22.00	436	420	13.436	16.775
28) L7	Aroclor-1260 {2}	18.30	22.51	327	565	5.238	9.591 #
29) L7	Aroclor-1260 {3}	19.42	24.47	222	442	4.965	17.851 #
Total	Aroclor-1260			985	1427	23.639	44.218
Average	Aroclor-1260					7.880	14.739

AR1254 = $\frac{101.6 \times 25}{15 \times 0.81} = 210$ K

318

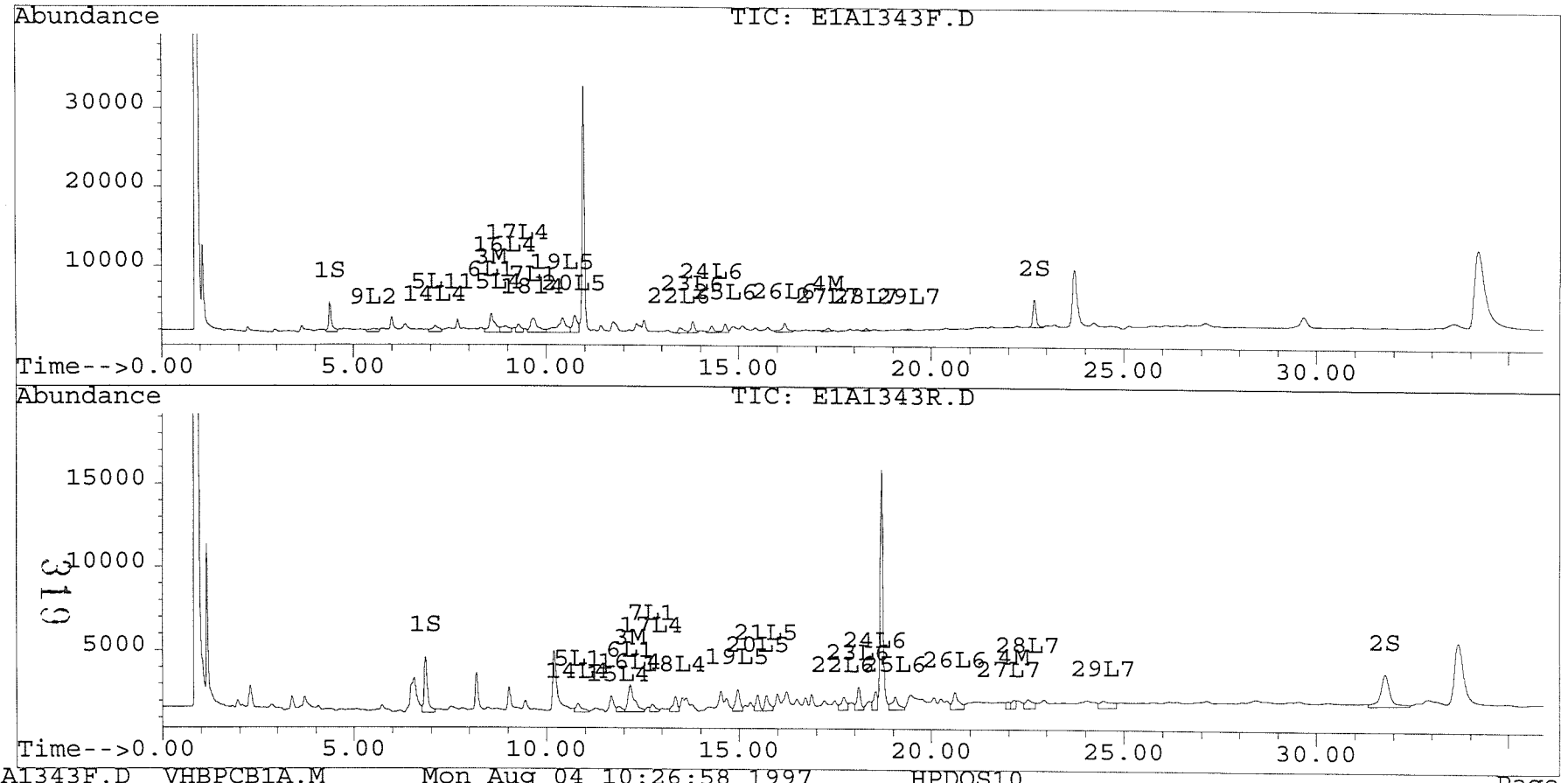
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1343F.D VHBPCB1A.M Mon Aug 04 10:26:51 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1343F.D\E1A1343R.D
Acq On : 04 Aug 97 07:58 AM Operator: JS/GML
Sample : D1145-46,N7-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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



319

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D\E1A1344R.D
Acq On : 04 Aug 97 08:38 AM Operator: JS/GML
Sample : D1145-47,N8-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3510	3095	15.365	14.659	
					Recovery	=	38.41%	36.65%	
2)	S	Decachlorobiphenyl	22.68	31.79	3241	1483	13.319	13.084	
					Recovery	=	33.30%	32.71%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.59	12.18	832	803	9.327	9.088	
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.15	233	311	1.279	1.891	#
5)	L1	Aroclor-1016	7.13	10.81	214	261	6.805	8.824	#
6)	L1	Aroclor-1016 {2}	8.59	12.18	832	803	18.351	21.710	
7)	L1	Aroclor-1016 {3}	9.66	12.75	872	251	36.123	14.492	#
		Total Aroclor-1016			1918	1315	61.279	45.025	
		Average Aroclor-1016					20.426	15.008	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 {2}	5.52	0.00	36	0	5.291	N.D.	#
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.	
		Total Aroclor-1221			36	0	5.291	N.D.	
		Average Aroclor-1221					5.291	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	7.13	10.81	214	261	5.850	7.510	#
15)	L4	Aroclor-1242 {2}	8.59	11.87	832	198	15.590	13.038	
16)	L4	Aroclor-1242 {3}	8.96	12.18	152	803	7.125	18.673	#
17)	L4	Aroclor-1242 (4)	9.29	12.75	281	251	16.002	12.429	
18)	L4	Aroclor-1242 (5)	9.66	13.35	872	576	30.954	29.776	
		Total Aroclor-1242			2351	2089	75.521	81.426	
		Average Aroclor-1242					15.104	16.285	
19)	L5	Aroclor-1248	10.43	14.97	792	682	29.468	45.246	#

BPL

320

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D\E1A1344R.D
Acq On : 04 Aug 97 08:38 AM Operator: JS/GML
Sample : D1145-47,N8-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.75	15.49	842	343	37.664	14.366 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	332	N.D.	13.347 #
Total Aroclor-1248			1633	1357	67.132	72.959
Average Aroclor-1248					33.566	24.320
22) L6 Aroclor-1254	13.46	17.72	319	419	8.914	11.925 #
23) L6 Aroclor-1254 {2}	13.81	18.11	695	729	9.191	9.461
24) L6 Aroclor-1254 {3}	14.30	18.55	347	506	9.520	10.577
25) L6 Aroclor-1254 (4)	14.66	19.06	446	343	9.764	10.456
26) L6 Aroclor-1254 (5)	16.20	20.61	509	605	8.452	11.655 #
Total Aroclor-1254			2315	2602	45.841	54.073
Average Aroclor-1254					9.168	10.815
27) L7 Aroclor-1260	17.33	22.01	233	218	7.165	8.712
28) L7 Aroclor-1260 {2}	18.31	0.00	119	0	1.905	N.D. #
29) L7 Aroclor-1260 {3}	19.43	24.46	170	173	3.809	6.976 #
Total Aroclor-1260			522	391	12.879	15.688
Average Aroclor-1260					4.293	7.844

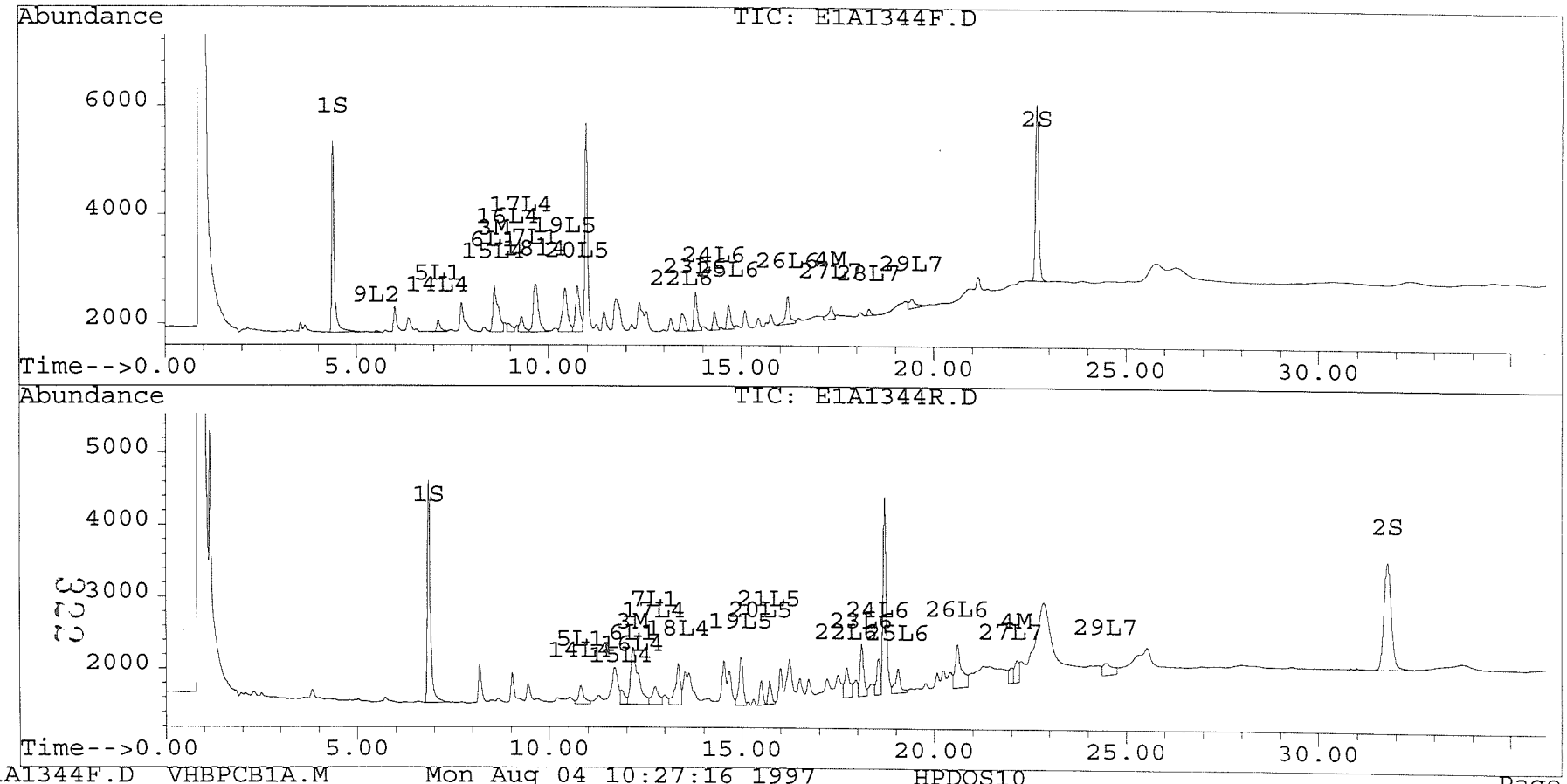
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1344F.D\E1A1344R.D
Acq On : 04 Aug 97 08:38 AM Operator: JS/GML
Sample : D1145-47,N8-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D\E1A1345R.D
Acq On : 04 Aug 97 09:17 AM Operator: JS/GML
Sample : D1145-48,N9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3967	3490	17.363	16.529
				Recovery	=	43.41%	41.32%
2) S	Decachlorobiphenyl	22.68	31.79	3574	1807	14.688	15.935
				Recovery	=	36.72%	39.84%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.59	12.19	309	257	3.466	2.912
4) M	2,2',3,3',4,4'-Hexa	17.31	0.00	132	0	0.725	N.D. #
5) L1	Aroclor-1016	7.15	10.82	186	178	5.927	6.017
6) L1	Aroclor-1016 (2)	8.59	12.19	309	257	6.819	6.955
7) L1	Aroclor-1016 (3)	9.71	12.79	213	164	8.830	9.449
Total	Aroclor-1016			709	599	21.576	22.421
Average	Aroclor-1016					7.192	7.474
8) L2	Aroclor-1221	3.63f	6.05	62	45	7.693	6.264
9) L2	Aroclor-1221 (2)	5.52	0.00	179	0	26.313	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			240	45	34.006	6.264
Average	Aroclor-1221					17.003	6.264
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	7.15	10.82	186	178	5.095	5.121
15) L4	Aroclor-1242 (2)	8.59	0.00	309	0	5.793	N.D. #
16) L4	Aroclor-1242 (3)	0.00	12.19	0	257	N.D.	5.982 #
17) L4	Aroclor-1242 (4)	9.28	12.79	209	164	11.892	8.104 #
18) L4	Aroclor-1242 (5)	9.71f	13.35	213	184	7.567	9.489 #
Total	Aroclor-1242			917	783	30.347	28.696
Average	Aroclor-1242					7.587	7.174
19) L5	Aroclor-1248	10.43	14.98	281	208	10.477	13.776 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D\E1A1345R.D
Acq On : 04 Aug 97 09:17 AM Operator: JS/GML
Sample : D1145-48,N9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.75	15.47	260	191	11.647	7.998 #
21) L5	Aroclor-1248 {3}	11.83f	15.73	216	161	7.675	6.452
Total	Aroclor-1248			758	559	29.798	28.225
Average	Aroclor-1248					9.933	9.408
22) L6	Aroclor-1254	0.00	17.72	0	238	N.D.	6.781 #
23) L6	Aroclor-1254 {2}	13.80	18.10	351	274	4.637	3.556
24) L6	Aroclor-1254 {3}	14.30	18.55	293	238	8.050	4.979 #
25) L6	Aroclor-1254 (4)	14.65	19.06	306	326	6.701	9.939 #
26) L6	Aroclor-1254 (5)	16.20	0.00	221	0	3.672	N.D. #
Total	Aroclor-1254			1171	1077	23.060	25.255
Average	Aroclor-1254					5.765	6.314
27) L7	Aroclor-1260	17.31	0.00	132	0	4.065	N.D. #
28) L7	Aroclor-1260 {2}	18.31	0.00	198	0	3.167	N.D. #
29) L7	Aroclor-1260 {3}	19.43	0.00	141	0	3.165	N.D. #
Total	Aroclor-1260			471	0	10.398	N.D.
Average	Aroclor-1260					3.466	0.000

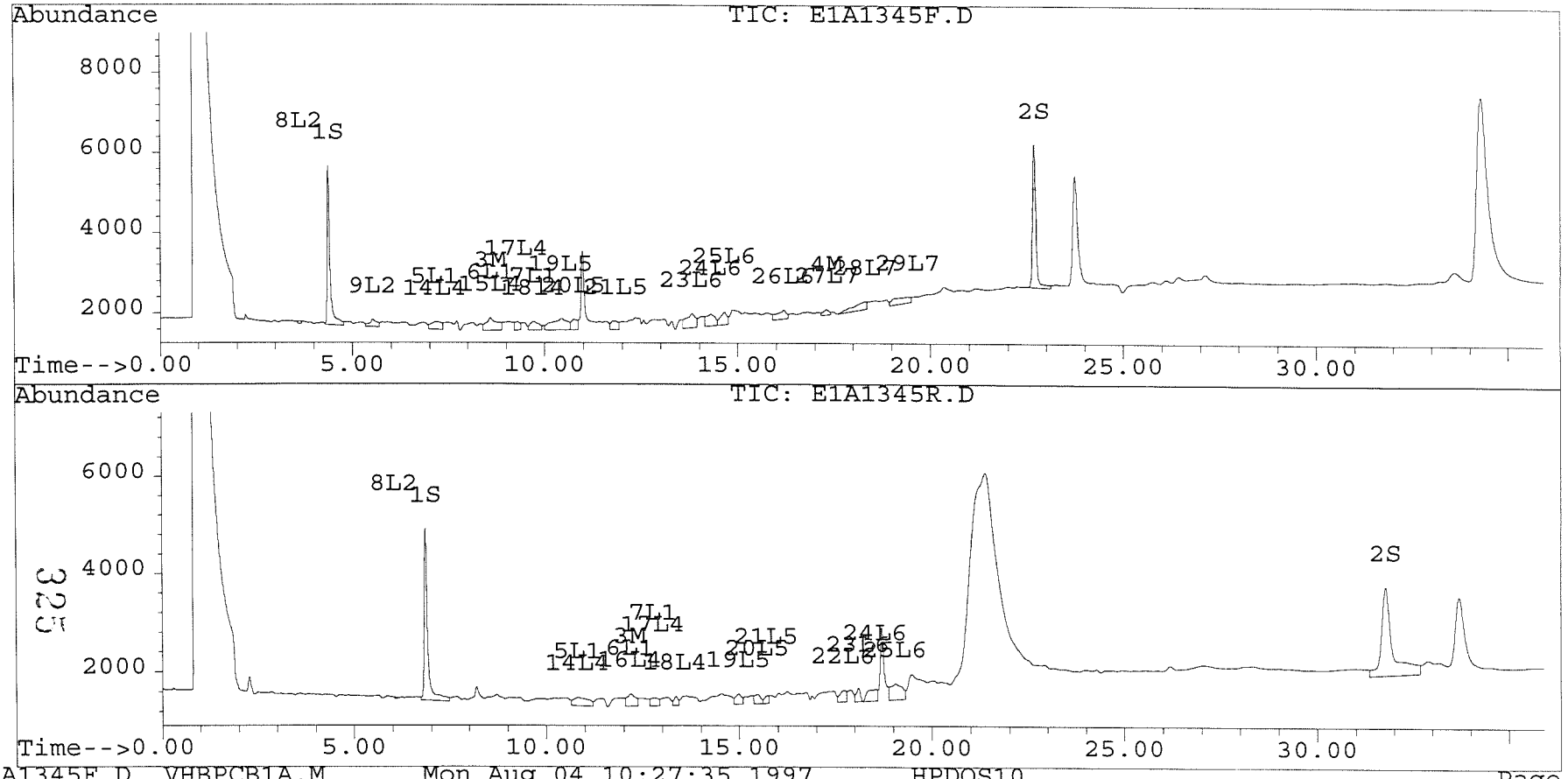
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1345F.D\E1A1345R.D
Acq On : 04 Aug 97 09:17 AM Operator: JS/GML
Sample : D1145-48,N9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D\E1A1346R.D
Acq On : 04 Aug 97 09:57 AM Operator: JS/GML
Sample : D1145-49,N10-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3819	3399	16.716	16.097
					Recovery	=	41.79%	40.24%
2)	S	Decachlorobiphenyl	22.68	31.79	3512	1605	14.431	14.159
					Recovery	=	36.08%	35.40%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.58	12.17	2502	2113	28.044	23.917
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.15	622	513	3.416	3.116
5)	L1	Aroclor-1016	7.13	10.81	752	735	23.925	24.851
6)	L1	Aroclor-1016 (2)	8.58	12.17	2502	2113	55.177	57.132
7)	L1	Aroclor-1016 (3)	9.66	12.76	2415	527	100.031	30.407 #
		Total Aroclor-1016			5669	3375	179.133	112.390
		Average Aroclor-1016					59.711	37.463
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.52	0.00	70	0	10.283	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			70	0	10.283	N.D.
		Average Aroclor-1221					10.283	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	7.13	10.81	752	735	20.568	21.151
15)	L4	Aroclor-1242 (2)	8.58	11.88	2502	407	46.876	26.784 #
16)	L4	Aroclor-1242 (3)	8.96	12.17	511	2113	23.943	49.139 #
17)	L4	Aroclor-1242 (4)	9.29	12.76	867	527	49.438	26.080 #
18)	L4	Aroclor-1242 (5)	9.66	13.35	2415	1543	85.718	79.776
		Total Aroclor-1242			7047	5325	226.544	202.930
		Average Aroclor-1242					45.309	40.586
19)	L5	Aroclor-1248	10.43	14.97	2176	1428	80.995	94.809

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D\E1A1346R.D
Acq On : 04 Aug 97 09:57 AM Operator: JS/GML
Sample : D1145-49,N10-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.74	15.49	1926	1150	86.203	48.230 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	1140	N.D.	45.785 #
Total Aroclor-1248			4102	3719	167.197	188.824
Average Aroclor-1248					83.599	62.941
22) L6 Aroclor-1254	13.46	17.72	1022	988	28.586	28.103
23) L6 Aroclor-1254 {2}	13.81	18.11	2200	2189	29.080	28.398
24) L6 Aroclor-1254 {3}	14.30	18.55	1165	1493	31.960	31.200
25) L6 Aroclor-1254 (4)	14.66	19.06	1441	1064	31.572	32.431
26) L6 Aroclor-1254 (5)	16.20	20.61	1740	1521	28.894	~~29.318~~
Total Aroclor-1254			7567	7254	150.093	149.450
Average Aroclor-1254					30.019	29.890
27) L7 Aroclor-1260	17.33	22.01	622	242	19.141	9.661 #
28) L7 Aroclor-1260 {2}	18.31	22.51	467	509	7.483	8.646
29) L7 Aroclor-1260 {3}	19.43	24.46	393	241	8.804	9.734
Total Aroclor-1260			1482	992	35.429	28.041
Average Aroclor-1260					11.810	9.347

$AR1242 = \frac{(46.57 + 49.44) \times \frac{5}{2} \times 25}{15 \times 0.8} = 500$

$AR1254 = \frac{149 \times \text{[illegible]} \times 25}{15 \times 0.8} = 310$

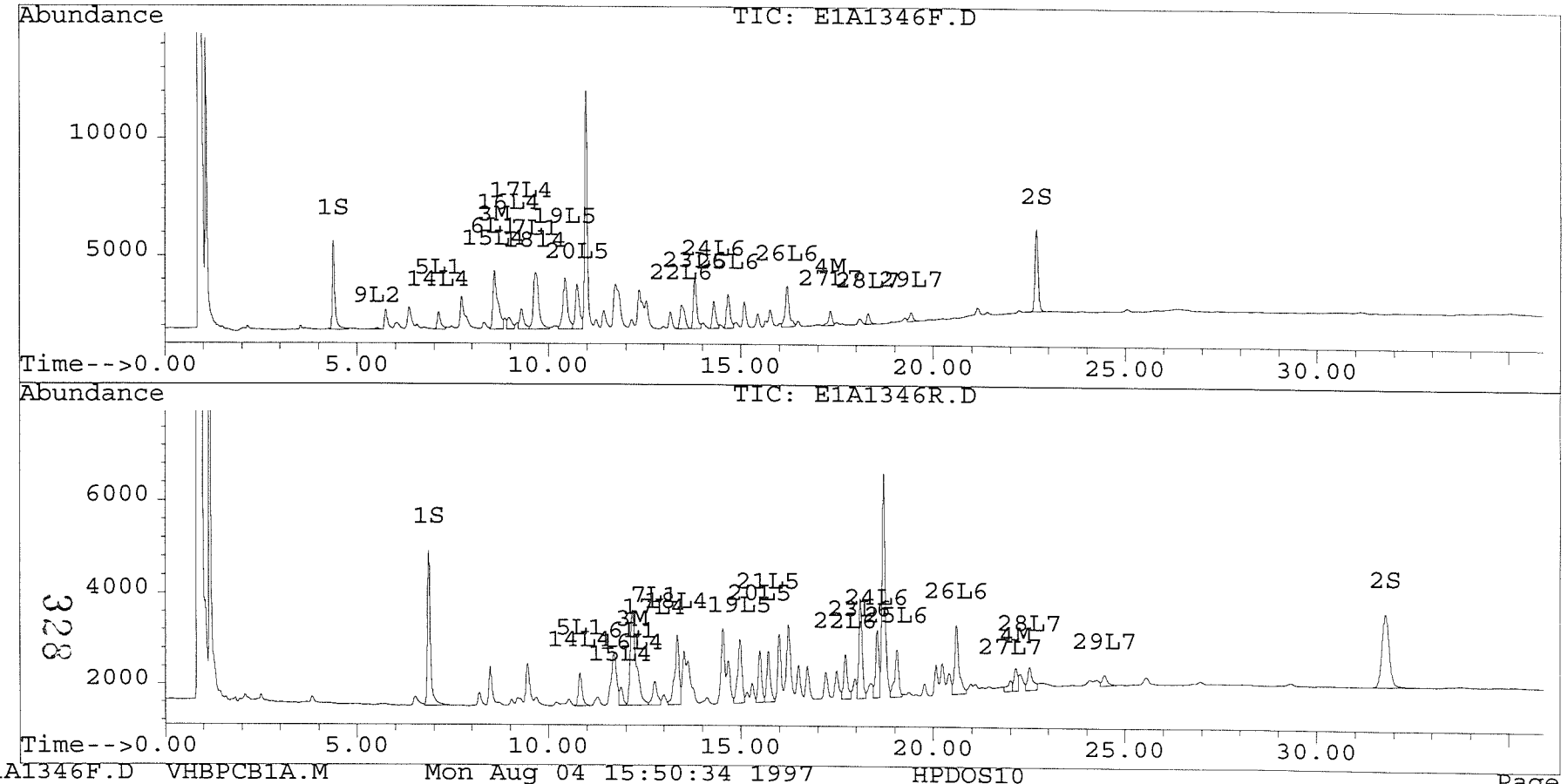
327

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1346F.D\E1A1346R.D
Acq On : 04 Aug 97 09:57 AM Operator: JS/GML
Sample : D1145-49,N10-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D\E1A1347R.D
Acq On : 04 Aug 97 10:36 AM Operator: JS/GML
Sample : D1145-50,N11-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3946	3477	17.273	16.466
				Recovery	=	43.18%	41.17%
2) S	Decachlorobiphenyl	22.68	31.79	3454	1633	14.195	14.400
				Recovery	=	35.49%	36.00%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.59	12.19	230	112	2.573	1.269 #
4) M	2,2',3,3',4,4'-Hexa	17.30	0.00	60	0	0.330	N.D. #
5) L1	Aroclor-1016	7.14	10.82	160	147	5.100	4.968
6) L1	Aroclor-1016 {2}	8.59	12.19	230	112	5.063	3.031 #
7) L1	Aroclor-1016 {3}	9.72f	12.78	181	21	7.507	1.187 #
Total	Aroclor-1016			571	280	17.670	9.186
Average	Aroclor-1016					5.890	3.062
8) L2	Aroclor-1221	3.63f	0.00	59	0	7.424	N.D. #
9) L2	Aroclor-1221 {2}	5.53f	0.00	115	0	16.983	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			175	0	24.407	N.D.
Average	Aroclor-1221					12.203	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	7.14	10.82	160	147	4.384	4.228
15) L4	Aroclor-1242 {2}	8.59	11.89	230	115	4.301	7.594 #
16) L4	Aroclor-1242 {3}	0.00	12.19	0	112	N.D.	2.607 #
17) L4	Aroclor-1242 (4)	9.29	12.78	187	21	10.692	1.018 #
18) L4	Aroclor-1242 (5)	9.72f	13.35	181	54	6.433	2.772 #
Total	Aroclor-1242			759	449	25.810	18.219
Average	Aroclor-1242					6.453	3.644
19) L5	Aroclor-1248	10.44	14.98	233	104	8.684	6.907

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1347F.D VHBPCB1A.M Mon Aug 04 15:50:50 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D\E1A1347R.D
Acq On : 04 Aug 97 10:36 AM Operator: JS/GML
Sample : D1145-50,N11-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.74	15.48	230	115	10.312	4.830 #
21) L5 Aroclor-1248 (3)	11.83	15.72	160	113	5.682	4.533
Total Aroclor-1248			624	332	24.678	16.269
Average Aroclor-1248					8.226	5.423
22) L6 Aroclor-1254	0.00	17.72	0	184	N.D.	5.236 #
23) L6 Aroclor-1254 (2)	13.81	18.10	188	202	2.489	2.624
24) L6 Aroclor-1254 (3)	14.30	18.55	153	189	4.194	3.944
25) L6 Aroclor-1254 (4)	14.66	19.06	158	206	3.456	6.281 #
26) L6 Aroclor-1254 (5)	16.20	0.00	116	0	1.919	N.D. #
Total Aroclor-1254			614	781	12.059	18.085
Average Aroclor-1254					3.015	4.521
27) L7 Aroclor-1260	17.30	0.00	60	0	1.850	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			60	0	1.850	N.D.
Average Aroclor-1260					1.850	0.000

330

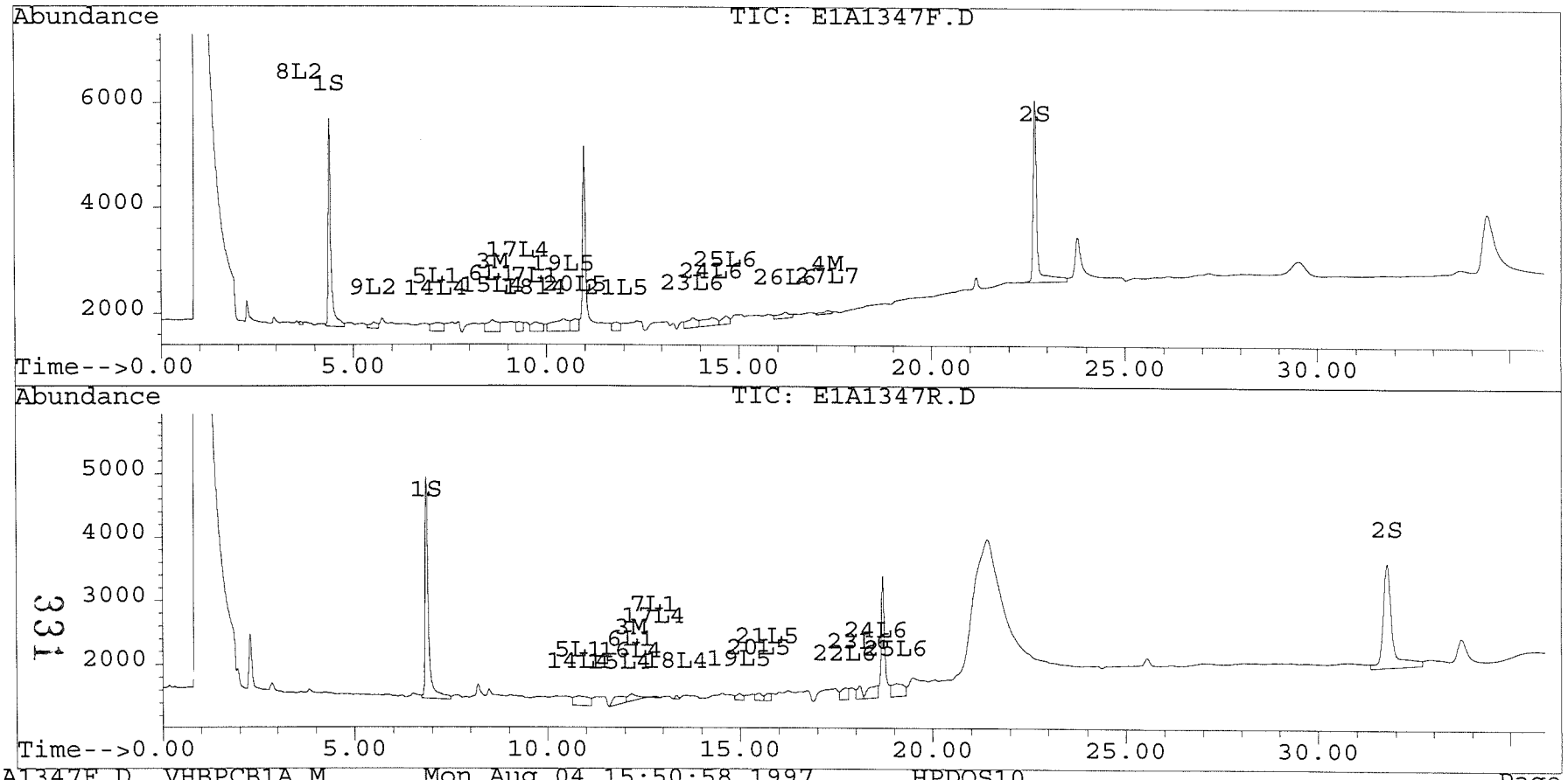
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1347F.D\E1A1347R.D
Acq On : 04 Aug 97 10:36 AM Operator: JS/GML
Sample : D1145-50,N11-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D\E1A1348R.D
Acq On : 04 Aug 97 11:16 AM Operator: JS/GML
Sample : D1145-51,N12-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	3452	3264	15.108	15.457	
					Recovery	=	37.77%	38.64%	
2)	S	Decachlorobiphenyl	22.69	31.79	3635	1710	14.938	15.086	
					Recovery	=	37.35%	37.72%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.59	12.18	2488	2182	27.892	24.695	
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.15	720	757	3.954	4.600	
5)	L1	Aroclor-1016	7.13	10.81	585	596	18.620	20.158	
6)	L1	Aroclor-1016 {2}	8.59	12.18	2488	2182	54.878	58.990	
7)	L1	Aroclor-1016 {3}	9.66	12.76	2295	466	95.025	26.885	#
		Total Aroclor-1016			5368	3244	168.523	106.033	
		Average Aroclor-1016					56.174	35.344	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 {2}	5.52f	0.00	38	0	5.636	N.D.	#
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.	
		Total Aroclor-1221			38	0	5.636	N.D.	
		Average Aroclor-1221					5.636	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	7.13	10.81	585	596	16.008	17.157	
15)	L4	Aroclor-1242 {2}	8.59	11.88	2488	293	46.622	19.308	#
16)	L4	Aroclor-1242 {3}	8.97	12.18	417	2182	19.548	50.737	#
17)	L4	Aroclor-1242 (4)	9.29	12.76	789	466	45.014	23.059	#
18)	L4	Aroclor-1242 (5)	9.66	13.35	2295	1509	81.429	78.021	
		Total Aroclor-1242			6574	5046	208.620	188.282	
		Average Aroclor-1242					41.724	37.656	
19)	L5	Aroclor-1248	10.43	14.98	1939	1580	72.161	104.899	#

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D\E1A1348R.D
Acq On : 04 Aug 97 11:16 AM Operator: JS/GML
Sample : D1145-51,N12-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.74	15.49	1771	1329	79.239	55.736 #
21) L5	Aroclor-1248 {3}	0.00	15.72	0	1350	N.D.	54.233 #
Total	Aroclor-1248			3709	4260	151.400	214.869
Average	Aroclor-1248					75.700	71.623
22) L6	Aroclor-1254	13.46	17.72	1108	1094	30.998	31.114
23) L6	Aroclor-1254 {2}	13.81	18.11	2380	2397	31.461	31.096
24) L6	Aroclor-1254 {3}	14.30	18.55	1230	1732	33.753	36.207
25) L6	Aroclor-1254 (4)	14.66	19.06	1643	1279	36.000	38.991
26) L6	Aroclor-1254 (5)	16.20	20.61	1988	1907	33.009	36.756
Total	Aroclor-1254			8349	8409	165.221	174.164
Average	Aroclor-1254					33.044	34.833
27) L7	Aroclor-1260	17.33	22.01	720	432	22.157	17.242
28) L7	Aroclor-1260 {2}	18.31	22.51	604	753	9.674	12.790 #
29) L7	Aroclor-1260 {3}	19.43	24.46	724	494	16.207	19.955
Total	Aroclor-1260			2048	1679	48.037	49.986
Average	Aroclor-1260					16.012	16.662

$AR1242 = \frac{(46.6 + 45.0) \times \frac{5}{2} \times 25}{15 \times 0.91} = 428$

$AR1254 = \frac{165 \times 25}{15 \times 0.91} = 304$

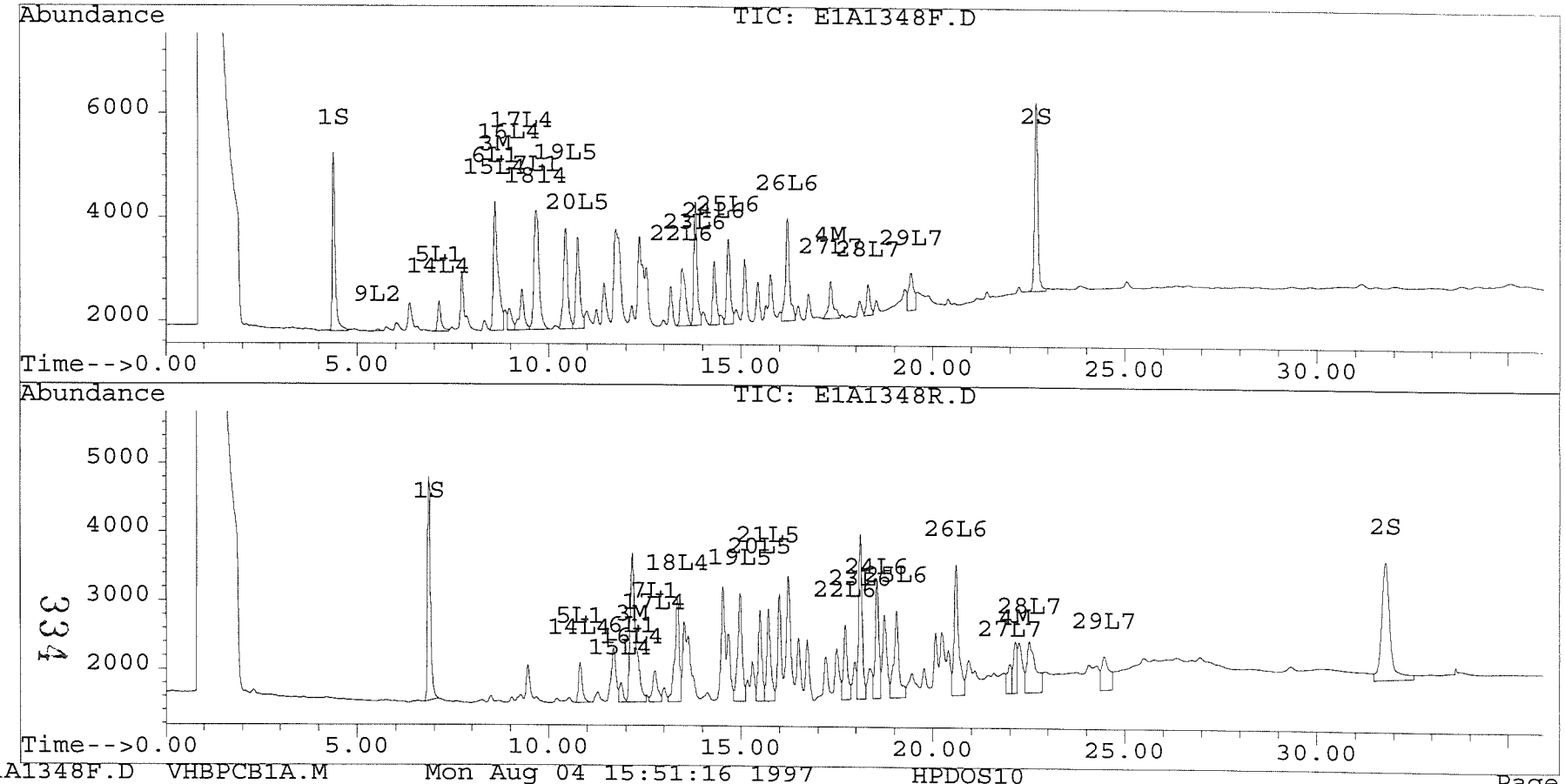
K

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1348F.D\E1A1348R.D
Acq On : 04 Aug 97 11:16 AM Operator: JS/GML
Sample : D1145-51,N12-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D\E1A1349R.D
Acq On : 04 Aug 97 11:55 AM Operator: JS/GML
Sample : D1145-52,M9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	4077	3542	17.847	16.772	
					Recovery	=	44.62%	41.93%	
2)	S	Decachlorobiphenyl	22.69	31.79	3769	1695	15.487	14.947	
					Recovery	=	38.72%	37.37%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.58	12.17	4521	3561	50.675	40.305	
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.14	1278	1247	7.024	7.574	
5)	L1	Aroclor-1016	7.13	10.81	1748	1684	55.651	56.948	
6)	L1	Aroclor-1016 (2)	8.58	12.17	4521	3561	99.703	96.278	
7)	L1	Aroclor-1016 (3)	9.65	12.76	4387	1550	181.677	89.391	#
		Total Aroclor-1016			10656	6795	337.032	242.618	
		Average Aroclor-1016					112.344	80.873	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 (2)	5.52	0.00	121	0	17.768	N.D.	#
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.	
		Total Aroclor-1221			121	0	17.768	N.D.	
		Average Aroclor-1221					17.768	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	7.13	10.81	1748	1684	47.844	48.469	
15)	L4	Aroclor-1242 (2)	8.58	11.88	4521	772	84.704	50.761	#
16)	L4	Aroclor-1242 (3)	8.97	12.17	1650	3561	77.325	82.809	
17)	L4	Aroclor-1242 (4)	9.29	12.76	1751	1550	99.847	76.669	
18)	L4	Aroclor-1242 (5)	9.65	13.35	4387	3004	155.682	155.315	
		Total Aroclor-1242			14056	10570	465.402	414.024	
		Average Aroclor-1242					93.080	82.805	
19)	L5	Aroclor-1248	10.42	14.97	3913	2512	145.661	166.711	

335

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D\E1A1349R.D
Acq On : 04 Aug 97 11:55 AM Operator: JS/GML
Sample : D1145-52,M9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.74	15.49	3166	1866	141.677	78.234 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	1996	N.D.	80.153 #
Total	Aroclor-1248			7079	6373	287.338	325.099
Average	Aroclor-1248					143.669	108.366
22) L6	Aroclor-1254	13.46	17.72	2001	1923	55.988	54.689
23) L6	Aroclor-1254 {2}	13.80	18.11	4644	4404	61.387	57.139
24) L6	Aroclor-1254 {3}	14.29	18.55	2309	2638	63.365	55.144
25) L6	Aroclor-1254 (4)	14.66	19.06	2752	2070	60.314	63.106
26) L6	Aroclor-1254 (5)	16.20	20.61	3588	2946	59.569	56.802
Total	Aroclor-1254			15294	13982	300.624	286.881
Average	Aroclor-1254					60.125	57.376
27) L7	Aroclor-1260	17.33	22.01	1278	784	39.366	31.299
28) L7	Aroclor-1260 {2}	18.31	22.51	1070	1121	17.137	19.039
29) L7	Aroclor-1260 {3}	19.43	24.46	799	581	17.872	23.483 #
Total	Aroclor-1260			3147	2486	74.374	73.820
Average	Aroclor-1260					24.791	24.607

$AR_{1242} = \frac{(84.7 + 77.3 + 99.5) \times \frac{5}{3} \times 25}{15 \times 0.90} = 810$ K

$AR_{1254} = \frac{286.9 \times 25}{15 \times 0.9} = 530$

336

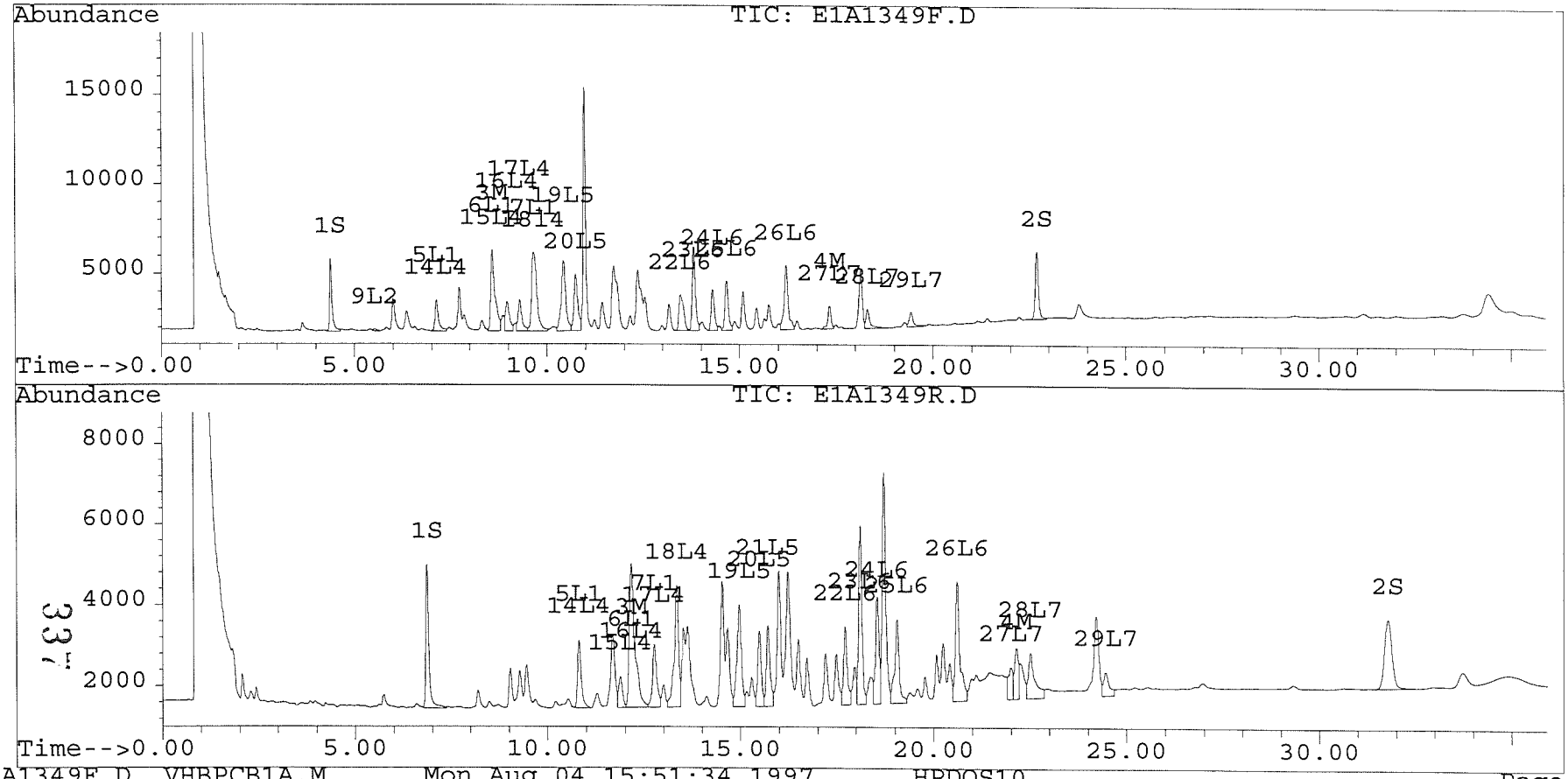
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1349F.D\E1A1349R.D
Acq On : 04 Aug 97 11:55 AM Operator: JS/GML
Sample : D1145-52,M9-C1,P0801-B1 Inst : E1
Misc : 3,,,2,,25000,,30,,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388F.D\E1A1388R.D
Acq On : 04 Aug 97 08:08 PM Operator: JS/GML
Sample : D1145-53,L8-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,9,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:07 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	4421	3430	19.351	16.243
				Recovery	=	48.38%	40.61%
2) S	Decachlorobiphenyl	22.68	31.79	3741	1785	15.374	15.746
				Recovery	=	38.44%	39.37%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	8160	6013	91.466	68.064 #
4) M	2,2',3,3',4,4'-Hexa	17.33	22.15	1818	1187	9.991	7.211 #
5) L1	Aroclor-1016	7.12	10.81	4847	4220	154.284	142.723
6) L1	Aroclor-1016 {2}	8.58	12.17	8160	6013	179.961	162.588
7) L1	Aroclor-1016 {3}	9.65	12.76	7121	2178	294.887	125.575 #
Total	Aroclor-1016			20127	12411	629.132	430.885
Average	Aroclor-1016					209.711	143.628
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.52	0.00	510	0	75.053	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			510	0	75.053	N.D.
Average	Aroclor-1221					75.053	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	7.12	10.81	4847	4220	132.639	121.473
15) L4	Aroclor-1242 {2}	8.58	11.88	8160	1774	152.888	116.719
16) L4	Aroclor-1242 {3}	8.96	12.17	2710	6013	127.028	139.843
17) L4	Aroclor-1242 (4)	9.29	12.76	3062	2178	174.597	107.703 #
18) L4	Aroclor-1242 (5)	9.65	13.35	7121	4675	252.694	241.724
Total	Aroclor-1242			25899	18860	839.845	727.462
Average	Aroclor-1242					167.969	145.492
19) L5	Aroclor-1248	10.42	14.97	6544	3200	243.583	212.423

338

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388F.D Vial:
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388R.D
Acq On : 04 Aug 97 08:08 PM Operator:
Sample : D1145-53,L8-C1,P0801-B1 Inst :
Misc : 0,,,2,,25000,,15,9,,01-AUG-97,22-JUL-97 Multiplr:
Quant Time: Aug 5 8:07 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	p
20) L5 Aroclor-1248 {2}	10.73	15.49	5571	3710	249.307	
21) L5 Aroclor-1248 {3}	0.00	15.71	0	3657	N.D.	
Total Aroclor-1248			12115	10567	492.890	
Average Aroclor-1248					246.445	
22) L6 Aroclor-1254	13.45	17.72	2970	2824	83.116	
23) L6 Aroclor-1254 {2}	13.80	18.11	6394	6161	84.518	
24) L6 Aroclor-1254 {3}	14.29	18.54	3306	4173	90.739	
25) L6 Aroclor-1254 (4)	14.65	19.06	4369	2901	95.737	
26) L6 Aroclor-1254 (5)	16.20	20.61	5183	3969	86.048	
Total Aroclor-1254			22222	20028	440.157	
Average Aroclor-1254					88.031	
27) L7 Aroclor-1260	17.33	22.01	1818	511	55.989	
28) L7 Aroclor-1260 {2}	18.31	22.51	1571	1395	25.163	
29) L7 Aroclor-1260 {3}	19.43	24.46	1212	764	27.122	
Total Aroclor-1260			4601	2670	108.274	
Average Aroclor-1260					36.091	

$AR1242 = \frac{(153+174) \times \frac{5}{2} \times 25}{15 \times 0.91} = 1500$

$AR1254 = \frac{412 \times 25}{15 \times 0.91} = 750$

3

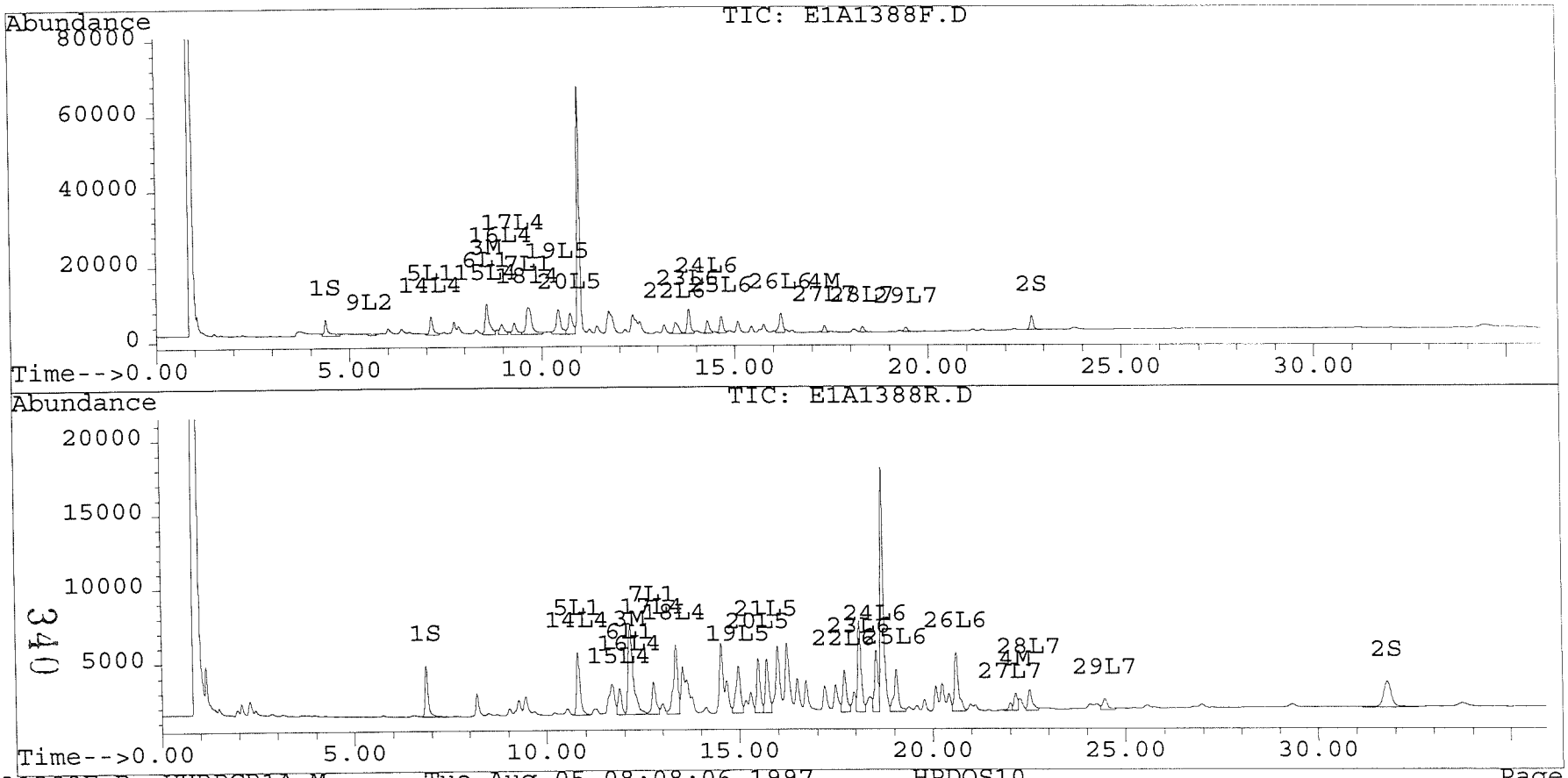
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual
E1A1388F.D VHBPCB1A.M Tue Aug 05 08:07:59 1997 HPDOS10

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1388F.D\E1A1388R.D
Acq On : 04 Aug 97 08:08 PM Operator: JS/GML
Sample : D1145-53,L8-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,9,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:07 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D\E1A1389R.D
Acq On : 04 Aug 97 08:47 PM Operator: JS/
Sample : D1145-54,L9-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multiplr: 1.(
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/u
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.38	6.86	3529	3091	15.447	1
			Recovery	=	38.62%	
2) S Decachlorobiphenyl	22.68	31.79	3351	1519	13.771	
			Recovery	=	34.43%	
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.58	12.17	4329	3283	48.526	
4) M 2,2',3,3',4,4'-Hexa	17.32	22.14	1624	1075	8.926	
5) L1 Aroclor-1016	7.13	10.81	1358	1318	43.220	
6) L1 Aroclor-1016 {2}	8.58	12.17	4329	3283	95.476	
7) L1 Aroclor-1016 {3}	9.65	12.76	4585	1155	189.861	
Total Aroclor-1016			10271	5756	328.557	19
Average Aroclor-1016					109.519	6
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	
9) L2 Aroclor-1221 {2}	5.52	0.00	146	0	21.426	
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	
Total Aroclor-1221			146	0	21.426	
Average Aroclor-1221					21.426	
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	
Total Aroclor-1232			0	0	N.D.	
Average Aroclor-1232					0.000	
14) L4 Aroclor-1242	7.13	10.81	1358	1318	37.157	
15) L4 Aroclor-1242 {2}	8.58	11.88	4329	598	81.113	
16) L4 Aroclor-1242 {3}	8.96	12.17	1285	3283	60.255	
17) L4 Aroclor-1242 (4)	9.29	12.76	1603	1155	91.409	
18) L4 Aroclor-1242 (5)	9.65	13.35	4585	3393	162.695	
Total Aroclor-1242			13160	9747	432.628	3
Average Aroclor-1242					86.526	
19) L5 Aroclor-1248	10.42	14.97	4189	2446	155.911	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual i
E1A1389F.D VHBPCB1A.M Tue Aug 05 08:08:16 1997 HPDOS10

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D\E1A1389R.D
Acq On : 04 Aug 97 08:47 PM Operator: JS/GML
Sample : D1145-54,L9-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.49	3168	2165	141.775	90.786
21) L5 Aroclor-1248 {3}	0.00	15.71	0	2171	N.D.	87.189
Total Aroclor-1248			7357	6782	297.686	340.308
Average Aroclor-1248					148.843	113.436
22) L6 Aroclor-1254	13.45	17.72	2839	2563	79.447	72.89
23) L6 Aroclor-1254 {2}	13.80	18.11	6445	5717	85.199	74.17
24) L6 Aroclor-1254 {3}	14.29	18.54	3231	3616	88.674	75.58
25) L6 Aroclor-1254 (4)	14.65	19.05	4259	2652	93.336	80.84
26) L6 Aroclor-1254 (5)	16.20	20.60	4896	3794	81.284	73.14
Total Aroclor-1254			21671	18342	427.940	376.639
Average Aroclor-1254					85.588	75.328
27) L7 Aroclor-1260	17.32	22.01	1624	314	50.021	12.54
28) L7 Aroclor-1260 {2}	18.30	22.51	1235	902	19.774	15.30
29) L7 Aroclor-1260 {3}	19.43	24.46	905	523	20.246	21.16
Total Aroclor-1260			3764	1739	90.040	49.016
Average Aroclor-1260					30.013	16.339

AR1242 = $\frac{17.2 \times \frac{5}{2} \times 25}{15 \times 0.9} = 800$

AR1254 = $\frac{376 \times 25}{15 \times 0.9} = 700$

342

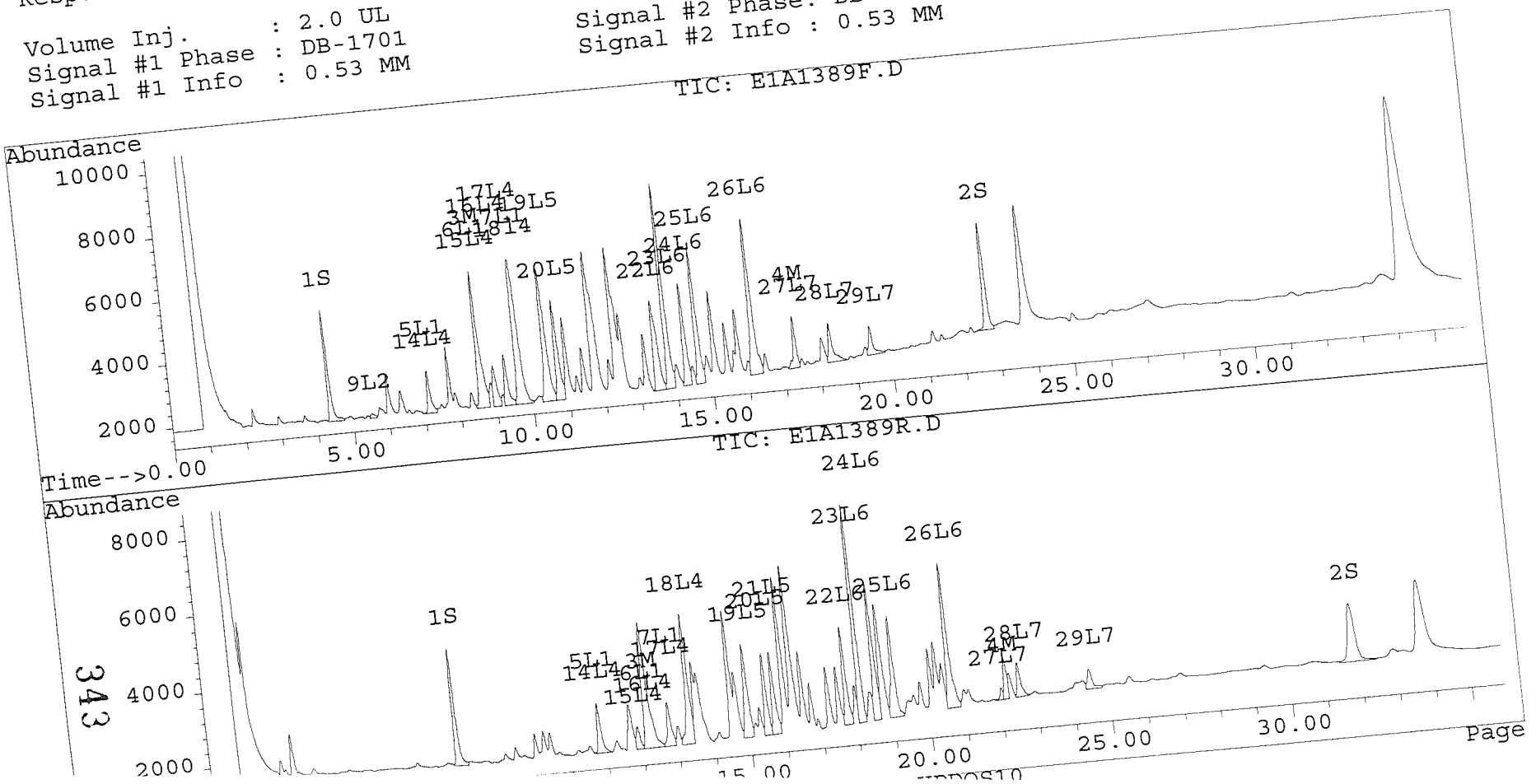
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1389F.D\E1A1389R.D
Acq On : 04 Aug 97 08:47 PM Operator: JS/GML
Sample : D1145-54,L9-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D\E1A1390R.D
Acq On : 04 Aug 97 09:27 PM Operator: JS/GML
Sample : D1145-55,L11-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	4198	3601	18.375	17.054
					Recovery	=	45.94%	42.64%
2)	S	Decachlorobiphenyl	22.68	31.79	3911	1844	16.071	16.265
					Recovery	=	40.18%	40.66%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.59	12.18	817	707	9.154	8.002
4)	M	2,2',3,3',4,4'-Hexa	17.33	22.14	183	436	1.003	2.651
5)	L1	Aroclor-1016	7.13	10.81	251	250	7.995	8.450
6)	L1	Aroclor-1016 (2)	8.59	12.18	817	707	18.011	19.115
7)	L1	Aroclor-1016 (3)	9.67	12.76	723	130	29.944	7.477
	Total	Aroclor-1016			1791	1087	55.949	35.043
	Average	Aroclor-1016					18.650	11.681
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.52	0.00	51	0	7.434	N.D.
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			51	0	7.434	N.D.
	Average	Aroclor-1221					7.434	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	7.13	10.81	251	250	6.873	7.192
15)	L4	Aroclor-1242 (2)	8.59	11.88	817	118	15.301	7.782
16)	L4	Aroclor-1242 (3)	8.96	12.18	142	707	6.659	16.441
17)	L4	Aroclor-1242 (4)	9.29	12.76	255	130	14.515	6.413
18)	L4	Aroclor-1242 (5)	9.67	13.35	723	503	25.659	26.020
	Total	Aroclor-1242			2187	1708	69.008	63.849
	Average	Aroclor-1242					13.802	12.770
19)	L5	Aroclor-1248	10.43	14.98	684	314	25.452	20.811

BPL

344

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D V
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D\E1A13
Acq On : 04 Aug 97 09:27 PM Operat
Sample : D1145-55,L11-C1,P0801-B1 Inst
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multi
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-60
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
20) L5 Aroclor-1248 (2)	10.73	15.49	503	361	22.
21) L5 Aroclor-1248 (3)	11.81	15.72	546	410	19.
Total Aroclor-1248			1733	1084	67.
Average Aroclor-1248					22.
22) L6 Aroclor-1254	13.47	17.72	244	284	6.
23) L6 Aroclor-1254 (2)	13.81	18.11	560	583	7.
24) L6 Aroclor-1254 (3)	14.30	18.55	298	400	8.
25) L6 Aroclor-1254 (4)	14.66	19.06	342	321	7.
26) L6 Aroclor-1254 (5)	16.20	20.61	406	528	6.
Total Aroclor-1254			1851	2116	36.
Average Aroclor-1254					7.
27) L7 Aroclor-1260	17.33	22.00	183	414	5.
28) L7 Aroclor-1260 (2)	18.31	22.51	196	425	3.
29) L7 Aroclor-1260 (3)	19.43	24.46	244	354	5.
Total Aroclor-1260			623	1194	14.
Average Aroclor-1260					4.

BDL

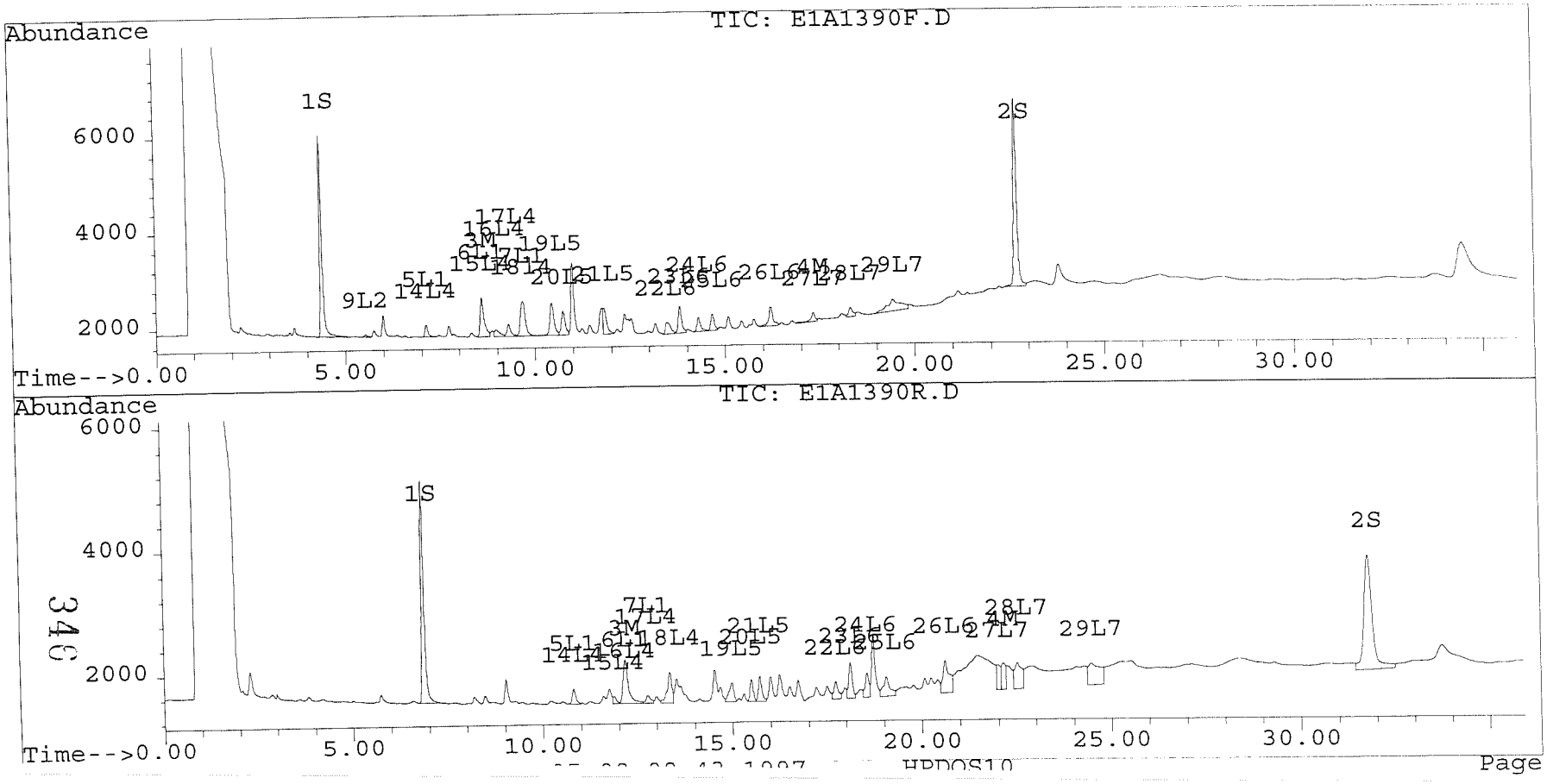
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manua
E1A1390F.D VHBPCB1A.M Tue Aug 05 08:08:35 1997 HPDOS1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1390F.D\E1A1390R.D
Acq On : 04 Aug 97 09:27 PM Operator: JS/GML
Sample : D1145-55,L11-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,10,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D Vial:
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D\E1A1391R.
Acq On : 04 Aug 97 10:07 PM Operator:
Sample : D1145-56,K8-C1,P0801-B1 Inst :
Misc : 0,,,2,,25000,,15,14,,01-AUG-97,22-JUL-97 Multiplr:
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
	System Monitoring Compounds					
1) S	Tetrachloro-m-xylen	4.38	6.86	3797	3403	16.619
				Recovery	=	41.55%
2) S	Decachlorobiphenyl	22.68	31.79	3916	1784	16.092
				Recovery	=	40.23%
	Target Compounds					
3) M	2,4,4'-Trichlorobip	8.58	12.17	2858	2439	32.035
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	1617	1632	8.887
5) L1	Aroclor-1016	7.13	10.81	769	770	24.485
6) L1	Aroclor-1016 (2)	8.58	12.17	2858	2439	63.029
7) L1	Aroclor-1016 (3)	9.65	12.76	3115	501	128.987
	Total Aroclor-1016			6742	3709	216.501
	Average Aroclor-1016					72.167
8) L2	Aroclor-1221	3.63f	0.00	74	0	9.217
9) L2	Aroclor-1221 (2)	5.51	0.00	46	0	6.745
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.
	Total Aroclor-1221			120	0	15.962
	Average Aroclor-1221					7.981
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.
	Total Aroclor-1232			0	0	N.D.
	Average Aroclor-1232					0.00
14) L4	Aroclor-1242	7.13	10.81	769	770	21.05
15) L4	Aroclor-1242 (2)	8.58	11.88	2858	341	53.54
16) L4	Aroclor-1242 (3)	8.96	12.17	488	2439	22.87
17) L4	Aroclor-1242 (4)	9.29	12.76	800	501	45.60
18) L4	Aroclor-1242 (5)	9.65	13.35	3115	2177	110.53
	Total Aroclor-1242			8029	6228	253.60
	Average Aroclor-1242					50.72
19) L5	Aroclor-1248	10.42	14.97	2658	1873	98.93

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D\E1A1391R.D
Acq On : 04 Aug 97 10:07 PM Operator: JS/GML
Sample : D1145-56,K8-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,14,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.74	15.49	2256	1775	100.979	74.418 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	1666	N.D.	66.906 #
Total Aroclor-1248			4914	5314	199.914	265.680
Average Aroclor-1248					99.957	88.560
22) L6 Aroclor-1254	13.46	17.72	1783	1733	49.898	49.279
23) L6 Aroclor-1254 {2}	13.80	18.11	4045	3940	53.464	51.125
24) L6 Aroclor-1254 {3}	14.29	18.54	2169	2571	59.533	53.748
25) L6 Aroclor-1254 (4)	14.66	19.05	2600	2094	56.981	63.820
26) L6 Aroclor-1254 (5)	16.20	20.61	3382	2842	56.149	54.790
Total Aroclor-1254			13979	13180	276.026	272.761
Average Aroclor-1254					55.205	54.552
27) L7 Aroclor-1260	17.32	22.00	1617	1255	49.804	50.123
28) L7 Aroclor-1260 {2}	18.31	22.50	1408	1564	22.545	26.564
29) L7 Aroclor-1260 {3}	19.42	24.46	1307	770	29.261	31.150
Total Aroclor-1260			4333	3590	101.609	107.837
Average Aroclor-1260					33.870	35.946

$AR1242 = \frac{(53.5 + 45.6) \times \frac{5}{2} \times 25}{15 \times 0.86} = 480$

$AR1254 = \frac{273 \times 25}{15 \times .86} = 530$

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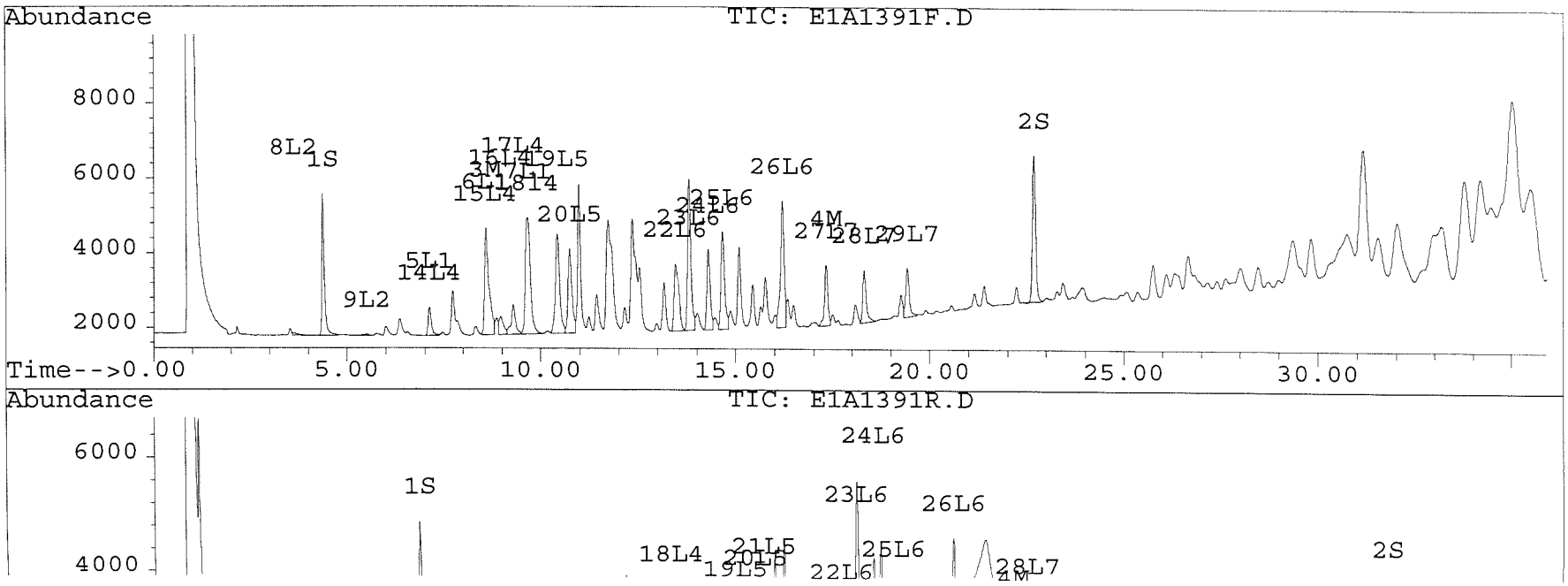
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1391F.D VHBPCB1A.M Tue Aug 05 08:08:54 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1391F.D\E1A1391R.D
Acq On : 04 Aug 97 10:07 PM Operator: JS/GML
Sample : D1145-56,K8-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,14,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D Vial: 72
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D\E1A1397R.D
Acq On : 05 Aug 97 02:04 AM Operator: JS/GML
Sample : D1145-57,K9-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3730	3313	16.329	15.691
				Recovery	=	40.82%	39.23%
2) S	Decachlorobiphenyl	22.68	31.79	3427	1628	14.082	14.361
				Recovery	=	35.21%	35.90%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.59	12.18	1327	1155	14.878	13.071
4) M	2,2',3,3',4,4'-Hexa	17.33	22.15	695	748	3.819	4.546
5) L1	Aroclor-1016	7.13	10.81	918	884	29.223	29.903
6) L1	Aroclor-1016 (2)	8.59	12.18	1327	1155	29.272	31.224
7) L1	Aroclor-1016 (3)	9.66	12.77	1193	435	49.413	25.065 #
Total	Aroclor-1016			3438	2474	107.909	86.192
Average	Aroclor-1016					35.970	28.731
8) L2	Aroclor-1221	3.63f	0.00	180	0	22.459	N.D. #
9) L2	Aroclor-1221 (2)	5.52	0.00	44	0	6.407	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			224	0	28.866	N.D.
Average	Aroclor-1221					14.433	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	7.13	10.81	918	884	25.123	25.451
15) L4	Aroclor-1242 (2)	8.59	11.88	1327	394	24.869	25.906
16) L4	Aroclor-1242 (3)	8.97	12.18	449	1155	21.031	26.856 #
17) L4	Aroclor-1242 (4)	9.30	12.77	414	435	23.637	21.498
18) L4	Aroclor-1242 (5)	9.66	13.35	1193	905	42.343	46.790
Total	Aroclor-1242			4302	3772	137.003	146.500
Average	Aroclor-1242					27.401	29.300
19) L5	Aroclor-1248	10.43	14.98	1035	519	38.515	34.467

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D Vi
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D\E1A13
Acq On : 05 Aug 97 02:04 AM Operat
Sample : D1145-57,K9-C1,P0801-B1 Inst
Misc : 0,,,2,,25000,,15,11,,01-AUG-97,22-JUL-97 Multi
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-60
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
20)	L5 Aroclor-1248 {2}	10.74	15.49	700	658	31.
21)	L5 Aroclor-1248 {3}	0.00	15.72	0	557	N.
Total	Aroclor-1248			1734	1734	69.
Average	Aroclor-1248					34.
22)	L6 Aroclor-1254	13.46	17.72	559	591	15.
23)	L6 Aroclor-1254 {2}	13.81	18.11	1252	1289	16.
24)	L6 Aroclor-1254 {3}	14.30	18.55	652	876	17.
25)	L6 Aroclor-1254 (4)	14.67	19.06	838	645	18.
26)	L6 Aroclor-1254 (5)	16.21	20.61	1004	909	16.
Total	Aroclor-1254			4305	4310	85.
Average	Aroclor-1254					17.
27)	L7 Aroclor-1260	17.33	0.00	695	0	21.
28)	L7 Aroclor-1260 {2}	18.31	22.51	210	380	3.
29)	L7 Aroclor-1260 {3}	19.43	24.46	157	315	3.
Total	Aroclor-1260			1062	694	28.
Average	Aroclor-1260					9.

AR1242 = 220

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manu
E1A1397F.D VHBPCB1A.M Tue Aug 05 08:10:40 1997 HPDOS

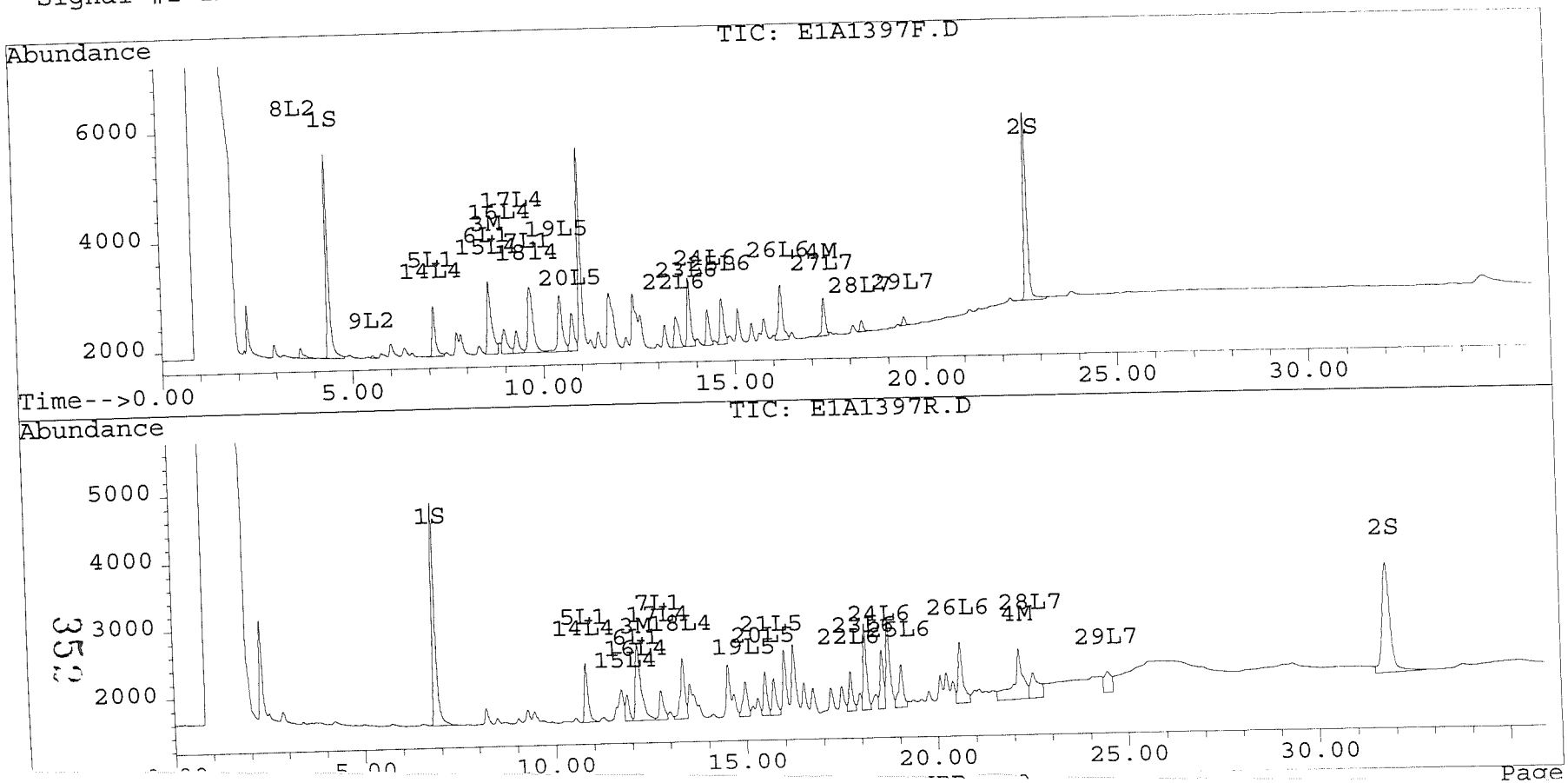
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D Vial: 72
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1397F.D\E1A1397R.D
Acq On : 05 Aug 97 02:04 AM Operator: JS/GML
Sample : D1145-57,K9-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,11,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D Vial
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D\E1A1398F
Acq On : 05 Aug 97 02:44 AM Operator
Sample : D1145-58,K10-C1,P0801-B1 Inst
Misc : 0,,,2,,25000,,15,12,,01-AUG-97,22-JUL-97 Multipl
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
System Monitoring Compounds					
1) S Tetrachloro-m-xylen	4.38	6.86	3590	3186	15.71
			Recovery	=	39.29
2) S Decachlorobiphenyl	22.68	31.79	3454	1600	14.19
			Recovery	=	35.49
Target Compounds					
3) M 2,4,4'-Trichlorobip	8.59	12.18	250	234	2.80
4) M 2,2',3,3',4,4'-Hexa	17.32	22.15	402	557	2.20
5) L1 Aroclor-1016	7.13	10.81	86	101	2.73
6) L1 Aroclor-1016 (2)	8.59	12.18	250	234	5.52
7) L1 Aroclor-1016 (3)	9.65	12.77	329	95	13.64
			666	429	21.89
Total Aroclor-1016					7.29
Average Aroclor-1016					
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D
9) L2 Aroclor-1221 (2)	5.52	0.00	53	0	7.7
10) L2 Aroclor-1221 (3)	0.00	0.00	0	0	N.D
			53	0	7.7
Total Aroclor-1221					7.7
Average Aroclor-1221					
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D
12) L3 Aroclor-1232 (2)	0.00	0.00	0	0	N.D
13) L3 Aroclor-1232 (3)	0.00	0.00	0	0	N.D
			0	0	N.D
Total Aroclor-1232					0.0
Average Aroclor-1232					
14) L4 Aroclor-1242	7.13	10.81	86	101	2.3
15) L4 Aroclor-1242 (2)	8.59	11.88	250	63	4.6
16) L4 Aroclor-1242 (3)	8.96	12.18	82	234	3.8
17) L4 Aroclor-1242 (4)	9.29	12.77	99	95	5.6
18) L4 Aroclor-1242 (5)	9.65	13.35	329	244	11.6
			846	736	28.1
Total Aroclor-1242					5.6
Average Aroclor-1242					
19) L5 Aroclor-1248	10.43	14.97	271	261	10.0

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D Vial: 73
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D\E1A1398R.D
Acq On : 05 Aug 97 02:44 AM Operator: JS/GML
Sample : D1145-58,K10-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,12,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.74	15.49	237	221	10.620	9.28
21) L5 Aroclor-1248 {3}	11.82	15.72	341	238	12.135	9.54
Total Aroclor-1248			850	720	32.854	36.155
Average Aroclor-1248					10.951	12.052
22) L6 Aroclor-1254	0.00	17.72	0	372	N.D.	10.566
23) L6 Aroclor-1254 {2}	13.80	18.11	1100	1060	14.546	13.75
24) L6 Aroclor-1254 {3}	14.30	18.55	601	438	16.488	9.15
25) L6 Aroclor-1254 (4)	14.66	19.06	454	623	9.941	18.97
26) L6 Aroclor-1254 (5)	16.20	20.61	927	851	15.386	16.41
Total Aroclor-1254			3082	3344	56.361	68.870
Average Aroclor-1254					14.090	13.774
27) L7 Aroclor-1260	17.32	22.01	402	369	12.364	14.73
28) L7 Aroclor-1260 {2}	18.31	22.51	297	567	4.749	9.63
29) L7 Aroclor-1260 {3}	19.42	24.47	226	220	5.059	8.88
Total Aroclor-1260			924	1156	22.172	33.250
Average Aroclor-1260					7.391	11.083

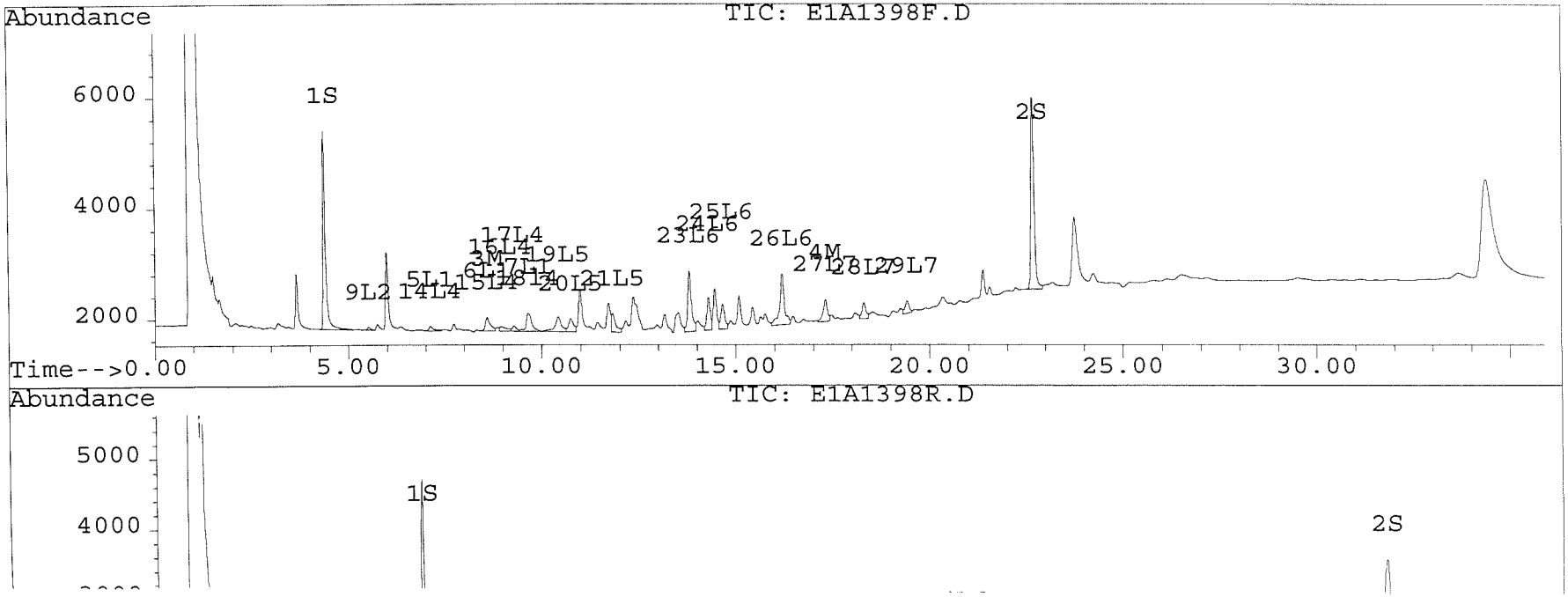
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1398F.D VHBPCB1A.M Tue Aug 05 08:10:58 1997 HPDOS10 Page

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D Vial: 73
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1398F.D\E1A1398R.D
Acq On : 05 Aug 97 02:44 AM Operator: JS/GML
Sample : D1145-58,K10-C1,P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,12,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D\E1A1399R.D
Acq On : 05 Aug 97 03:23 AM Operator: JS/GML
Sample : D1145-59,R2-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,87,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	3488	3189	15.266	15.100
				Recovery	=	38.17%	37.75%
2) S	Decachlorobiphenyl	22.68	31.79	3192	1441	13.118	12.711
				Recovery	=	32.80%	31.78%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.59	12.18	403	355	4.520	4.014
4) M	2,2',3,3',4,4'-Hexa	17.33	22.15	328	424	1.804	2.577 #
5) L1	Aroclor-1016	7.13	10.82	190	186	6.034	6.285
6) L1	Aroclor-1016 (2)	8.59	12.18	403	355	8.892	9.589
7) L1	Aroclor-1016 (3)	9.65	12.76	475	117	19.656	6.723 #
Total	Aroclor-1016			1067	657	34.582	22.597
Average	Aroclor-1016					11.527	7.532
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.52f	0.00	34	0	4.943	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			34	0	4.943	N.D.
Average	Aroclor-1221					4.943	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	7.13	10.82	190	186	5.188	5.349
15) L4	Aroclor-1242 (2)	8.59	11.88	403	97	7.555	6.413
16) L4	Aroclor-1242 (3)	8.97	12.18	112	355	5.229	8.248 #
17) L4	Aroclor-1242 (4)	9.30	12.76	138	117	7.879	5.766 #
18) L4	Aroclor-1242 (5)	9.65	13.35	475	348	16.843	18.007
Total	Aroclor-1242			1317	1103	42.694	43.783
Average	Aroclor-1242					8.539	8.757
19) L5	Aroclor-1248	10.43	14.98	360	262	13.405	17.406 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1399F.D VHBPCB1A.M Tue Aug 05 08:11:15 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D\E1A1399R.D
Acq On : 05 Aug 97 03:23 AM Operator: JS/GML
Sample : D1145-59,R2-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,87,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.75	15.50	362	214	16.218	8.993
21) L5 Aroclor-1248 (3)	0.00	15.72	0	143	N.D.	5.760 #
Total Aroclor-1248			723	620	29.623	32.159
Average Aroclor-1248					14.812	10.720
22) L6 Aroclor-1254	13.46	17.72	350	361	9.805	10.259
23) L6 Aroclor-1254 (2)	13.81	18.11	941	957	12.443	12.418
24) L6 Aroclor-1254 (3)	14.30	18.55	574	547	15.765	11.44
25) L6 Aroclor-1254 (4)	14.67	19.06	514	534	11.257	16.26
26) L6 Aroclor-1254 (5)	16.20	20.61	905	875	15.032	16.87
Total Aroclor-1254			3285	3274	64.302	67.258
Average Aroclor-1254					12.860	13.452
27) L7 Aroclor-1260	17.33	22.01	328	290	10.110	11.5
28) L7 Aroclor-1260 (2)	18.31	22.51	240	429	3.841	7.2
29) L7 Aroclor-1260 (3)	19.43	24.46	168	259	3.763	10.4
Total Aroclor-1260			736	978	17.713	29.32
Average Aroclor-1260					5.904	9.7

Amounts differ by > 25% (m)=manual ir
1997 HPDOS10

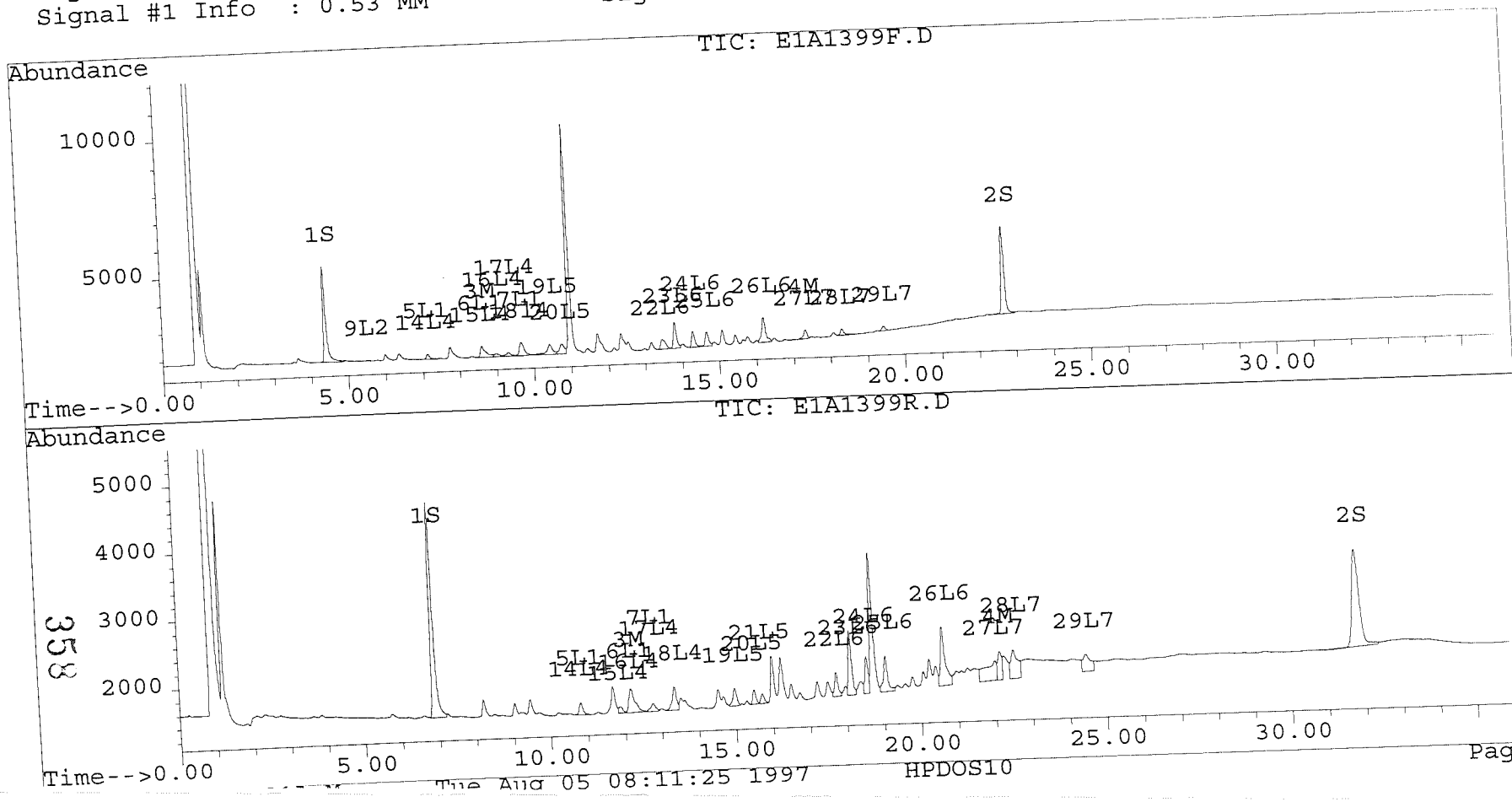
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1399F.D\E1A1399R.D
Acq On : 05 Aug 97 03:23 AM Operator: JS/GML
Sample : D1145-59,R2-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,87,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D Via:
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D\E1A1400I
Acq On : 05 Aug 97 04:03 AM Operato:
Sample : D1145-60,P11-C1(D),P0801-B1 Inst
Misc : 0,,,2,,25000,,15,8,,01-AUG-97,22-JUL-97 Multipl:
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
System Monitoring Compounds					
1) S Tetrachloro-m-xylen	4.38	6.87	3589	3220	15.7
			Recovery	=	39.2
2) S Decachlorobiphenyl	22.69	31.79	3438	1577	14.1
			Recovery	=	35.3
Target Compounds					
3) M 2,4,4'-Trichlorobip	8.60	12.18	603	585	6.7
4) M 2,2',3,3',4,4'-Hexa	17.33	22.14	207	331	1.1
5) L1 Aroclor-1016	7.13	10.82	122	127	3.8
6) L1 Aroclor-1016 (2)	8.60	12.18	603	585	13.3
7) L1 Aroclor-1016 (3)	9.67	12.76	660	89	27.3
			1385	801	44.4
Total Aroclor-1016					14.8
Average Aroclor-1016					
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D
9) L2 Aroclor-1221 (2)	5.52	0.00	40	0	5.9
10) L2 Aroclor-1221 (3)	0.00	0.00	0	0	N.D
			40	0	5.9
Total Aroclor-1221					5.9
Average Aroclor-1221					
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D
12) L3 Aroclor-1232 (2)	0.00	0.00	0	0	N.D
13) L3 Aroclor-1232 (3)	0.00	0.00	0	0	N.D
			0	0	N.D
Total Aroclor-1232					0.0
Average Aroclor-1232					
14) L4 Aroclor-1242	7.13	10.82	122	127	3.3
15) L4 Aroclor-1242 (2)	8.60	11.92f	603	84	11.3
16) L4 Aroclor-1242 (3)	8.96	12.18	103	585	4.8
17) L4 Aroclor-1242 (4)	9.30	12.76	203	89	11.
18) L4 Aroclor-1242 (5)	9.67	13.35	660	435	23.
			1691	1320	54.
Total Aroclor-1242					10.
Average Aroclor-1242					
19) L5 Aroclor-1248	10.43	14.98	566	372	21.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manu
E1A1400F.D VHBPCB1A.M Tue Aug 05 08:11:34 1997 HPDOS

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D\E1A1400R.D
Acq On : 05 Aug 97 04:03 AM Operator: JS/GML
Sample : D1145-60,P11-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,8,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.74	15.50	435	293	19.456	12.26
21) L5 Aroclor-1248 (3)	11.81	15.72	370	310	13.152	12.46
			1371	975	53.662	49.424
Total Aroclor-1248					17.887	16.475
Average Aroclor-1248						
22) L6 Aroclor-1254	13.47	17.72	221	211	6.181	5.99
23) L6 Aroclor-1254 (2)	13.81	18.11	508	521	6.721	6.75
24) L6 Aroclor-1254 (3)	14.30	18.55	287	337	7.869	7.05
25) L6 Aroclor-1254 (4)	14.67	19.06	318	254	6.970	7.74
26) L6 Aroclor-1254 (5)	16.21	20.61	433	370	7.188	7.13
			1767	1693	34.929	34.679
Total Aroclor-1254					6.986	6.936
Average Aroclor-1254						
27) L7 Aroclor-1260	17.33	0.00	207	0	6.376	N.D.
28) L7 Aroclor-1260 (2)	18.31	22.51	155	244	2.486	4.14
29) L7 Aroclor-1260 (3)	19.43	24.46	144	71	3.223	2.85
			506	315	12.085	6.998
Total Aroclor-1260					4.028	3.49
Average Aroclor-1260						

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

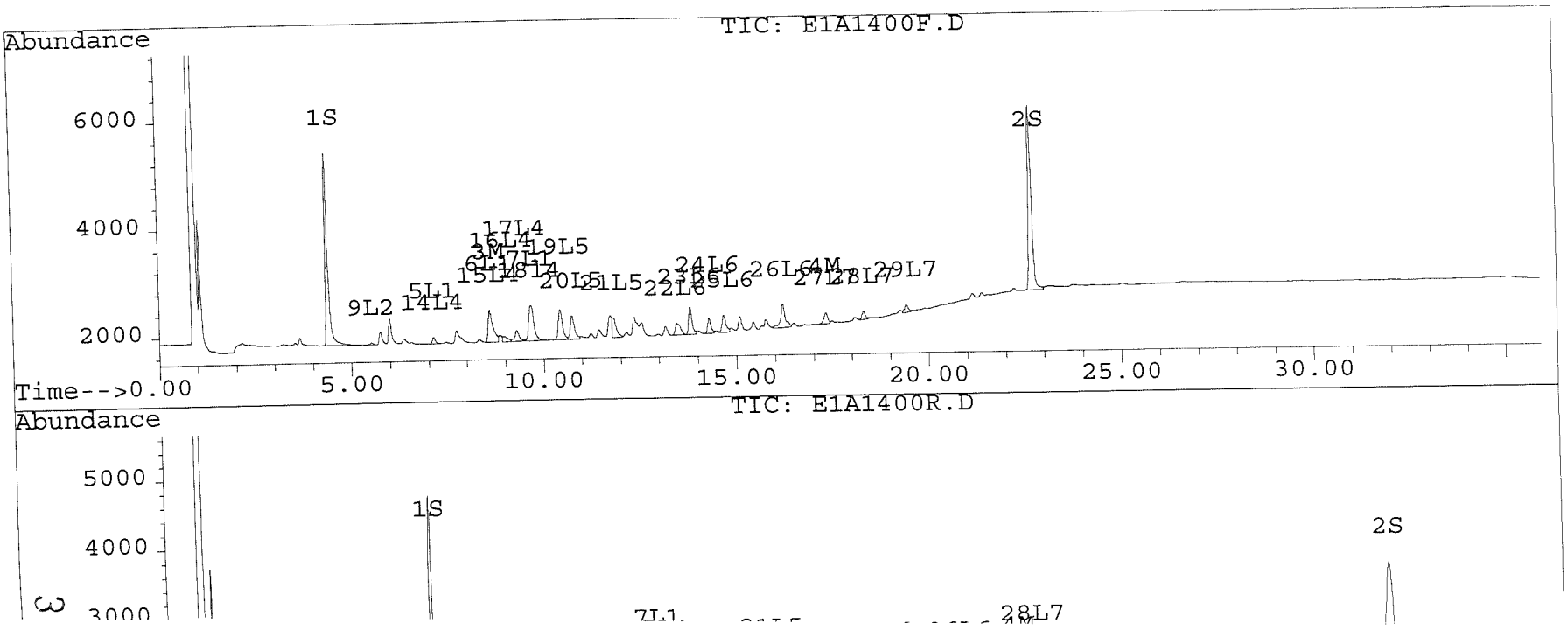
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1400F.D\E1A1400R.D
Acq On : 05 Aug 97 04:03 AM Operator: JS/GML
Sample : D1145-60,P11-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,8,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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



Soxtem Track.

GPC Batch Number:

Florisil Lot Number:

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	8/1/97	**Analysis:**	PCB (LUHB)			**Sample Matrix:**	Soil	**Project #:**	D1145	
Blank ID	P0801-B1	**Method:**	Sonic			**Analyst:** ARN		**Client:**		

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
P0801-B1		15.0g	PW970725A 1 mL	N	—	—	8-2-97	25mL Hexane	8-2-97	Spiker: ARN
-LCS1				PW970725B 1mL						Witness: HD
PD1145-41				N						
-41MS				PW970725B 1mL						
-41MSD				↓						
-42				N						
-43										
-44										
-45										
-46										
-47										
-48										
-49										
-50										
-51										
-52										
-53										

Solvent Track. GPC Batch Number:
Florisil Lot Number:

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION :Pesticides/PCB

Date:	8/1/97	Analysis:	PCB (VHB)			Sample Matrix:		Soil	Project #:	D1145
Blank ID	PD801-B1	Method:	Sonic			Analyst: ARN			Client:	

Sample ID	Client Sample ID	Weight/Vol Extracted	Surro. Spike Added	Matrix Spike Added	Date GPC	Date Florisil	Date Final Conc	Final Ext Vol	Date Ext Transfer	Comments
PD1145-54		15.0g	PW970724A 1mL	—	—	—	8-2-97	25ml Hexane	8-2-97	Spiker: ARN
-55										Witness: HO
-56										
-57										
-58										
-59									8/4/97	
-60										
						8/1/97 ARN				
368										

364

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
7/31/97	D1156-01	100°C	1.0	11.0	10.0	8/1/97	104°C	10.2	9.2	92	HO	
	-02	↓	↓	↓	↓	↓	↓	10.3	9.3	93	↓	
	-03	↓	↓	↓	↓	↓	↓	10.3	9.3	93	↓	
	-04	↓	↓	↓	↓	↓	↓	10.3	9.3	93	↓	
8-1-97	D1181-01	105°C	1.0	~~10.3~~ 10.0	~~9.3~~ 9.0	8/4/97	105°C	9.6	8.6	93	HO	
↓	-02	↓	↓	10.5	9.5	↓	↓	9.8	8.8	93	↓	
↓	-03	↓	↓	13.6	12.6	↓	↓	12.9	11.9	94	↓	
↓	-04	↓	↓	13.3	12.3	↓	↓	12.5	11.5	94	↓	
↓	-05	↓	↓	13.5	12.5	↓	↓	12.6	11.6	93	↓	
↓	-06	↓	↓	6.4	5.4	↓	↓	6.0	5.0	93	↓	
↓	D1184-01	↓	1.0	11.0	10.0	↓	↓	9.9	8.9	89	↓	
↓	-02	↓	1.0	9.6	8.6	↓	↓	4.8	3.8	44	↓	
↓	D1178-01	↓	1.0	11.0	10.0	↓	↓	9.2	8.2	82	↓	
↓	D1145-41	107°C	1.0	11.0	10.0	↓	↓	9.7	8.7	87	↓	
↓	-42	↓	↓	↓	↓	↓	↓	10.1	9.1	91	↓	
↓	-43	↓	↓	↓	↓	↓	↓	9.8	8.8	88	↓	
↓	-44	↓	↓	↓	↓	↓	↓	9.2	8.2	82	↓	
↓	-45	↓	↓	↓	↓	↓	↓	9.5	8.5	85	↓	
↓	-46	↓	↓	↓	↓	↓	↓	9.1	8.1	81	↓	
↓	-47	↓	↓	↓	↓	↓	↓	10.0	9.0	90	↓	
↓	-48	↓	↓	↓	↓	↓	↓	9.9	8.9	89	↓	
↓	-49	↓	↓	↓	↓	↓	↓	9.0	8.0	80	↓	

%Solid = Dry Wt. Tared / Wet Wt. Tared x 100

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
8/1/97	D1145-50	107°C	1.0	11.0	10.0	8/4/97	105°C	9.7	8.7	87	HO	
	-51							10.1	9.1	91		
	-52							10.0	9.0	90		
	-53							10.1	9.1	91		
	-54							10.0	9.0	90		
	-55							10.0	9.0	90		
	-56							9.6	8.6	86		
	-57							9.9	8.9	89		
	-58							9.8	8.8	88		
	-59							9.7	8.7	87		
	-60							10.2	9.2	92		
8/1/97	D1145-21	104°C	1.0	11.0	10.0			10.0	9.0	90		
	-22							9.6	8.6	86		
	-23							9.7	8.7	87		
	-24							9.6	8.6	86		
	-25							10.2	9.2	92		
	-26							9.5	8.5	85		
	-27							9.5	8.5	85		
	-28							10.0	9.0	90		
	-29							9.3	8.3	83		
	-30							9.5	8.5	85		
	-31							10.1	9.1	91		

QC Batch: P0801-B3

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1405F.D Vial: 74
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1405F.D\E1A1405R.D
Acq On : 05 Aug 97 07:20 AM Operator: JS/GML
Sample : P0801-B3,P0801-B3,P0801-B3 Inst : E1
Misc : 3,,,2,,25000,,15,0,,01-AUG-97 Multiplr: 1.00
Quant Time: Aug 5 8:12 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	3335	3182	14.599	15.068
				Recovery	=	36.50%	37.67%
2) S	Decachlorobiphenyl	22.68	31.79	3482	1563	14.308	13.790
				Recovery	=	35.77%	34.48%
	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	17.31	22.15	110	112	0.603	0.680
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)	5.52	0.00	30	0	4.376	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			30	0	4.376	N.D.
Average	Aroclor-1221					4.376	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	12.33f	0	33	N.D.	2.165 #
Total	Aroclor-1232			0	33	N.D.	2.165
Average	Aroclor-1232					0.000	2.165
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.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D Vial: 75
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D\E1A1421R.D
Acq On : 05 Aug 97 07:15 PM Operator: JS/GML
Sample : P0801-LCS3,P0801-LCS3 Inst : E1
Misc : Multiplr: 1.00
Quant Time: Aug 6 10:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3708	3395	16.231	16.080
				Recovery	=	40.58%	40.20%
2) S	Decachlorobiphenyl	22.69	31.79	3261	1399	13.399m	12.341m
				Recovery	=	33.50%	30.85%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.18	79759	79115	894.045	895.490
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	152051	138466	835.504m	841.235m
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

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D Vial: 75
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D\E1A1421R.D
Acq On : 05 Aug 97 07:15 PM Operator: JS/GML
Sample : P0801-LCS3,P0801-LCS3 Inst : E1
Misc : Multiplr: 1.00
Quant Time: Aug 6 10:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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

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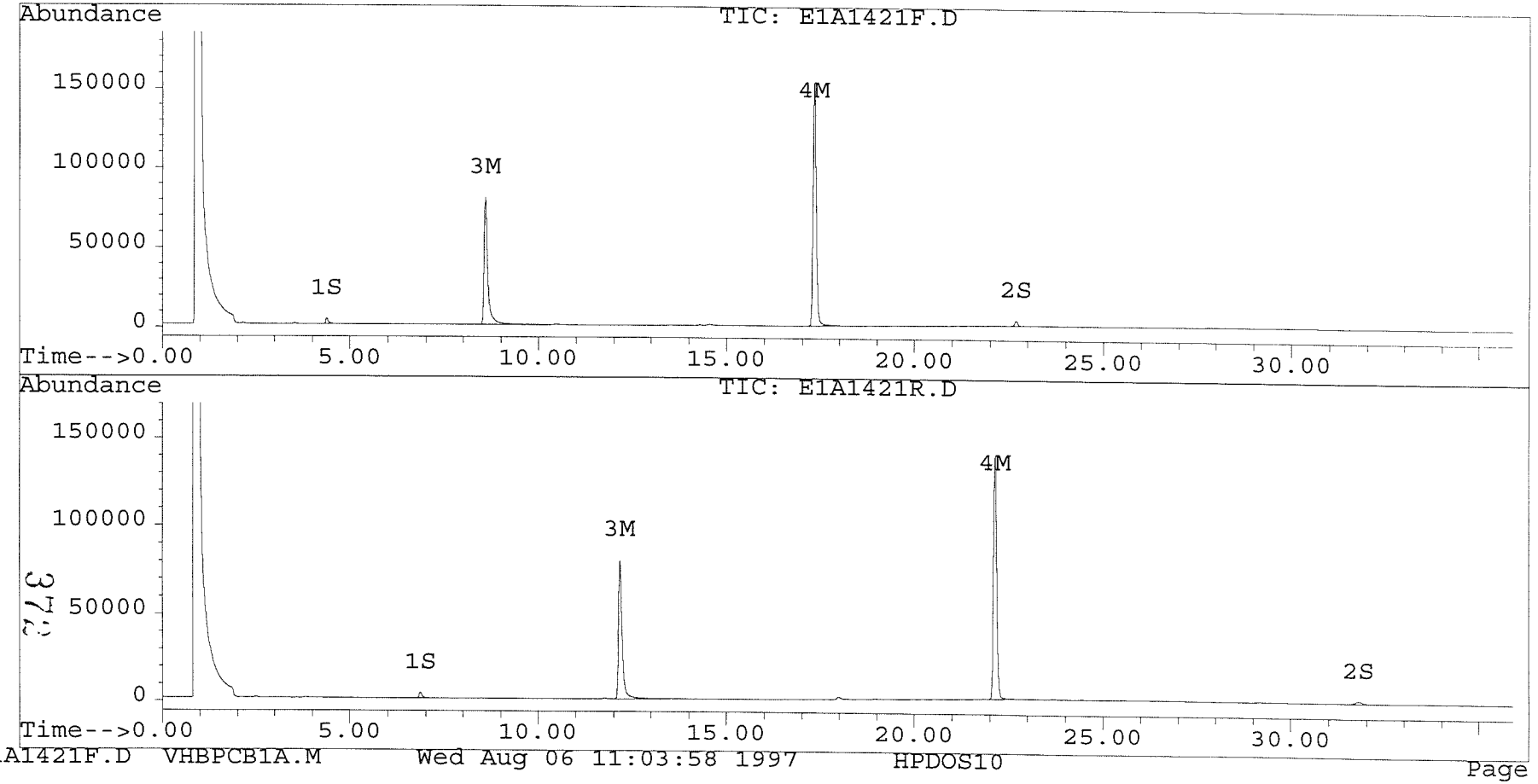
Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D Vial: 75
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1421F.D\E1A1421R.D
Acq On : 05 Aug 97 07:15 PM Operator: JS/GML
Sample : P0801-LCS3,P0801-LCS3 Inst : E1
Misc : Multiplr: 1.00
Quant Time: Aug 6 10:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D\E1A1401R.D
Acq On : 05 Aug 97 04:42 AM Operator: JS/GML
Sample : D1145-61,O7-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,21,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	4.38	6.86	3486	3294	15.260	15.598 ✓
Recovery				=	38.15%	39.00% ✗
2) S Decachlorobiphenyl	22.68	31.79	3341	1612	13.728 ✓	14.216 ✗
Recovery				=	34.32%	35.54%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.59	12.18	180	156	2.018	1.765
4) M 2,2',3,3',4,4'-Hexa	17.30	0.00	180	0	0.990	N.D. #
5) L1 Aroclor-1016	7.13	10.81	91	109	2.892	3.693 #
6) L1 Aroclor-1016 {2}	8.59	12.18	180	156	3.971	4.216
7) L1 Aroclor-1016 {3}	9.66	12.78	158	25	6.535	1.458 #
Total Aroclor-1016			429	290	13.398	9.367
Average Aroclor-1016					4.466	3.122
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	5.52	0.00	62	0	9.130	N.D. #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			62	0	9.130	N.D.
Average Aroclor-1221					9.130	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	7.13	10.81	91	109	2.486	3.143
15) L4 Aroclor-1242 {2}	8.59	11.88	180	33	3.373	2.185
16) L4 Aroclor-1242 {3}	8.96	12.18	55	156	2.587	3.626
17) L4 Aroclor-1242 (4)	9.30	12.78	54	25	3.062	1.250
18) L4 Aroclor-1242 (5)	9.66	13.36	158	86	5.600	4.447
Total Aroclor-1242			538	410	17.109	14.652
Average Aroclor-1242					3.422	2.930
19) L5 Aroclor-1248	10.43	14.98	102	95	3.793	6.298

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VHBPCB1A.M Tue Aug 05 08:11:52 1997 HPDOS10 Page

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D\E1A1401R.D
Acq On : 05 Aug 97 04:42 AM Operator: JS/GML
Sample : D1145-61,O7-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,21,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.74	15.49	99	88	4.449	3.693
21) L5 Aroclor-1248 {3}	0.00	15.72	0	95	N.D.	3.810 #
Total Aroclor-1248			201	278	8.242	13.802
Average Aroclor-1248					4.121	4.601
22) L6 Aroclor-1254	0.00	17.72	0	60	N.D.	1.707 #
23) L6 Aroclor-1254 {2}	13.81	18.11	186	187	2.454	2.421
24) L6 Aroclor-1254 {3}	14.30	18.55	132	95	3.631	1.989 #
25) L6 Aroclor-1254 (4)	14.66	19.05	76	141	1.667	4.293 #
26) L6 Aroclor-1254 (5)	16.21	20.62	184	270	3.057	5.200 #
Total Aroclor-1254			578	752	10.808	15.610
Average Aroclor-1254					2.702	3.122
27) L7 Aroclor-1260	17.30	22.01	180	228	5.550	9.093
28) L7 Aroclor-1260 {2}	18.30	0.00	218	0	3.484	N.D. #
29) L7 Aroclor-1260 {3}	19.42	24.46	139	272	3.114	10.984
Total Aroclor-1260			537	499	12.149	20.077
Average Aroclor-1260					4.050	10.039

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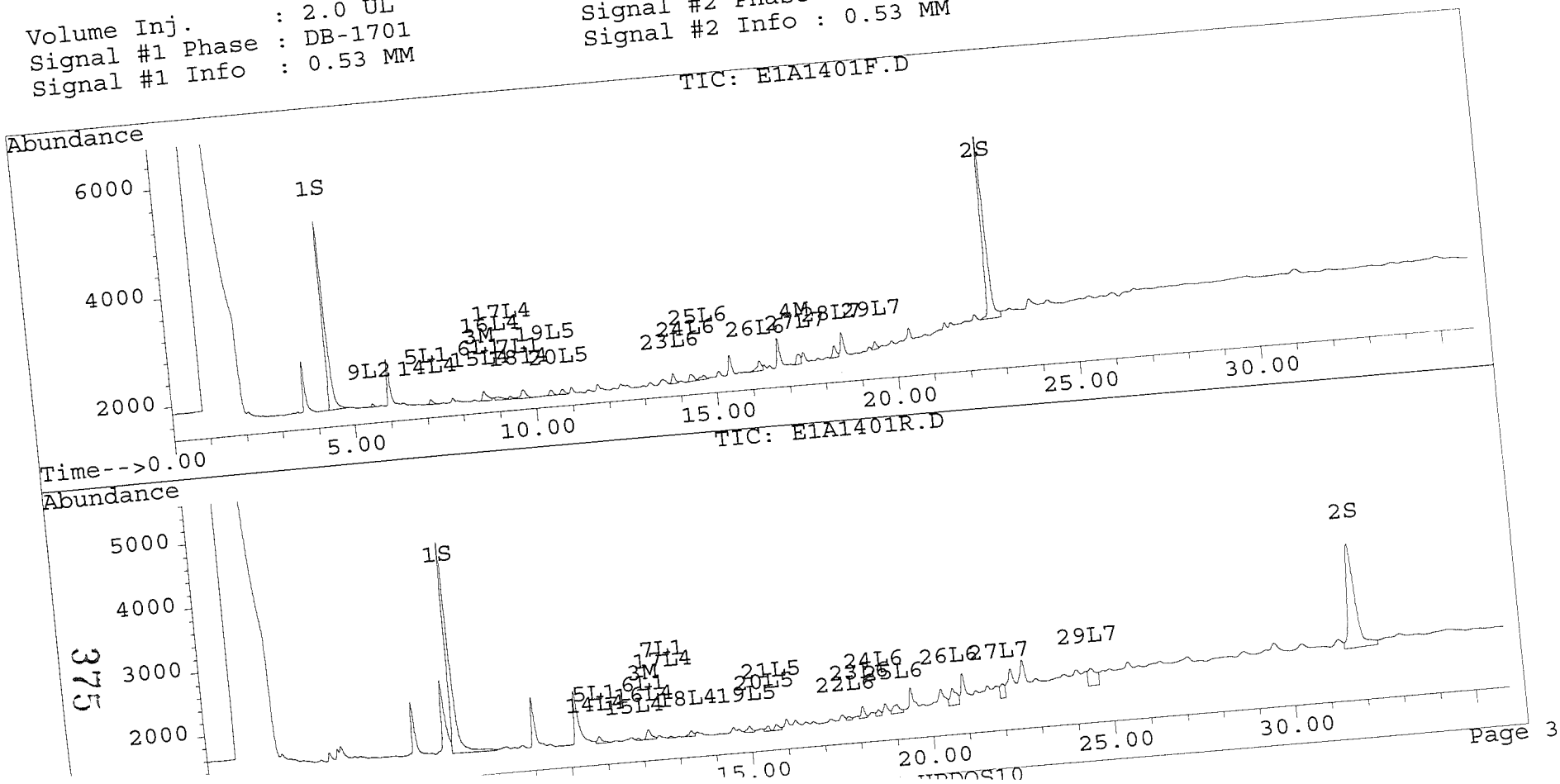
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1401F.D\E1A1401R.D
Acq On : 05 Aug 97 04:42 AM Operator: JS/GML
Sample : D1145-61,O7-C1(D),P0801-B1 Inst : E1
Misc : 0,,,2,,25000,,15,21,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D\E1A1402R.D
Acq On : 05 Aug 97 05:22 AM Operator: JS/GML
Sample : D1145-62,PS-91(1),P0801-B3 Inst : E1
Misc : 0,,,2,,25000,,15,0,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:12 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3700	3227	16.196	15.280 ✓
				Recovery	=	40.49%	38.20%
2) S	Decachlorobiphenyl	22.69	31.79	3536	1567	14.533	13.825 ✓
				Recovery	=	36.33%	34.56%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.56	12.16	119220	94014	1336.382	1064.140
4) M	2,2',3,3',4,4'-Hexa	17.33	22.15	790	561	4.340	3.408
5) L1	Aroclor-1016	7.12	10.80	64990	60324	2068.760	2040.175
6) L1	Aroclor-1016 {2}	8.56	12.16	119220	94014	2629.352	2541.974
7) L1	Aroclor-1016 {3}	9.68	12.76	52241	43595	2163.485	2513.495
Total	Aroclor-1016			236451	197934	6861.596	7095.645
Average	Aroclor-1016					2287.199	2365.215
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	7.12	10.80	64990	60324	1778.529	1736.415
15) L4	Aroclor-1242 {2}	8.56	11.88	119220	32133	2233.794	2113.881
16) L4	Aroclor-1242 {3}	8.95	12.16	48482	94014	2272.543	2186.359
17) L4	Aroclor-1242 (4)	9.28	12.76	44489	43595	2537.050	2155.786
18) L4	Aroclor-1242 (5)	9.68	13.34	52241	33895	1853.926	1752.638
Total	Aroclor-1242			329423	263962	10675.841	9945.078 ✓
Average	Aroclor-1242					2135.168	1989.016
19) L5	Aroclor-1248	10.42	14.98	51421	29898	1913.980	1984.587

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1402F.D VHBPCB1A.M Tue Aug 05 08:12:11 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D Via
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D\E1A1402
Acq On : 05 Aug 97 05:22 AM Operatc
Sample : D1145-62,PS-91(1),P0801-B3 Inst
Misc : 0,,,2,,25000,,15,0,,01-AUG-97,22-JUL-97 Multipl
Quant Time: Aug 5 8:12 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 MI

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	45916	41536	2054.
21) L5 Aroclor-1248 {3}	11.79	15.71	56725	50405	2015.
Total Aroclor-1248			154061	121839	5984.
Average Aroclor-1248					1994.
22) L6 Aroclor-1254	13.46	17.72	9301	8537	260.2
23) L6 Aroclor-1254 {2}	13.80	18.11	14785	15042	195.4
24) L6 Aroclor-1254 {3}	14.29	18.55	6312	9425	173.2
25) L6 Aroclor-1254 (4)	14.66	0.00	9320	0	204.2
26) L6 Aroclor-1254 (5)	16.20	20.61	2008	1613	33.3
Total Aroclor-1254			41726	34617	866.4
Average Aroclor-1254					173.2
27) L7 Aroclor-1260	17.33	22.01	790	306	24.3
28) L7 Aroclor-1260 {2}	18.31	22.51	541	526	8.6
29) L7 Aroclor-1260 {3}	19.43	24.46	315	205	7.0
Total Aroclor-1260			1646	1038	40.0
Average Aroclor-1260					13.3

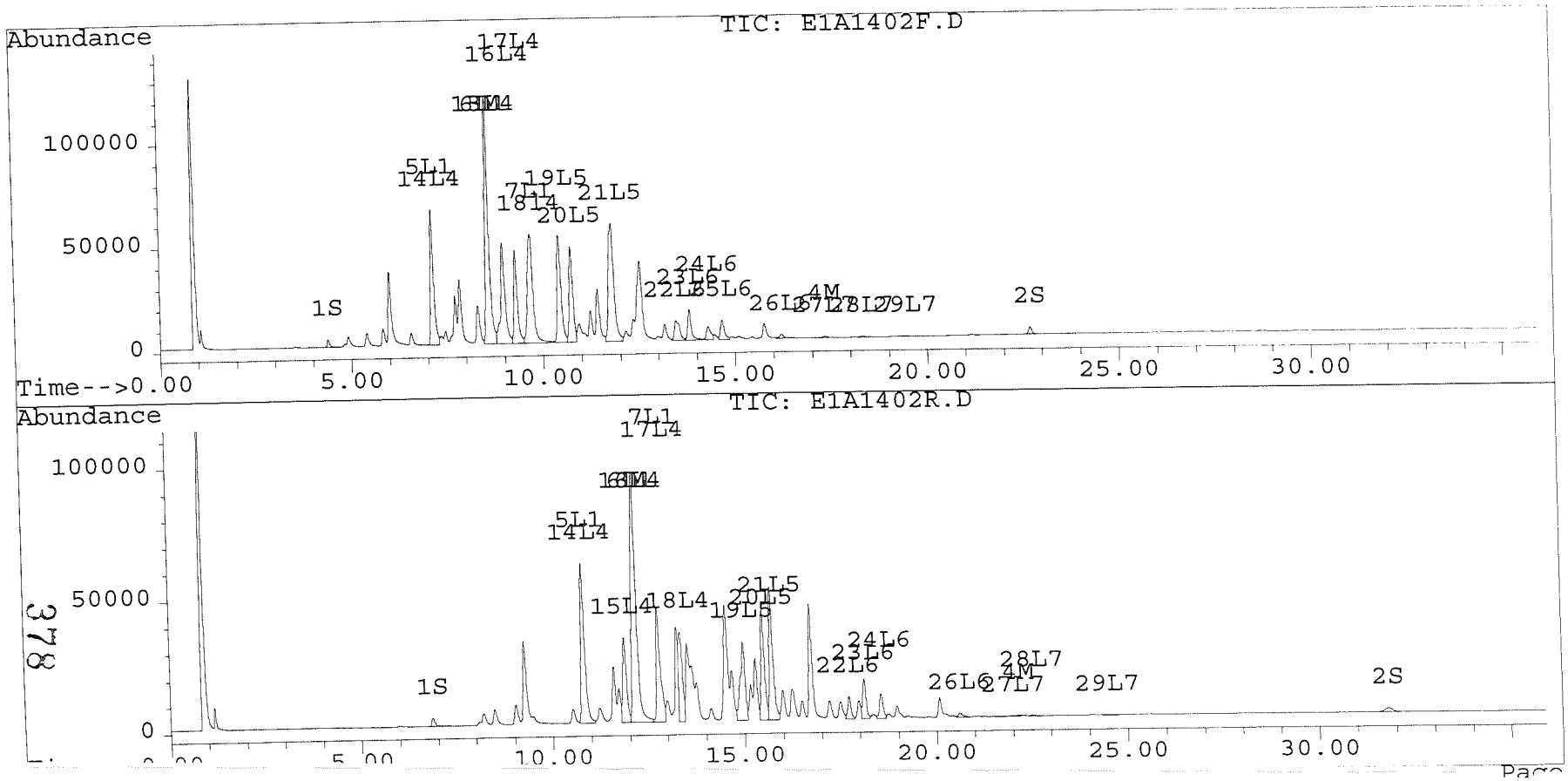
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manu
E1A1402F.D VHBPCB1A.M Tue Aug 05 08:12:12 1997 HPDO

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1402F.D\E1A1402R.D
Acq On : 05 Aug 97 05:22 AM Operator: JS/GML
Sample : D1145-62,PS-91(1),P0801-B3 Inst : E1
Misc : 0,,,2,,25000,,15,0,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 5 8:12 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1445F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1445F.D\E1A1445R.D
Acq On : 06 Aug 97 11:05 AM Operator: JS/GML
Sample : D1145-62,PS-91(1),P0801-B3,,,5X Inst : E1
Misc : 0,,,2,,25000,,15,0,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.39	6.87	757	664	3.313	3.146
				Recovery	=	8.28%	7.87%
2) S	Decachlorobiphenyl	22.69	31.82f	823	358	3.381m	3.160m
				Recovery	=	8.45%	7.90%
	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	7.13	10.81	17874	16821	489.132	484.176
15) L4	Aroclor-1242 {2}	8.58	11.89	28454	8093	533.127	532.388
16) L4	Aroclor-1242 {3}	8.97	12.17	11630	22980	545.144	534.422
17) L4	Aroclor-1242 (4)	9.30	12.77	9858	10462	562.137	517.321
18) L4	Aroclor-1242 (5)	9.69	13.35	13928	8929	494.270	461.683
Total	Aroclor-1242			81743	67284	2623.811	2529.990
Average	Aroclor-1242					524.762	505.998
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

379

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1445F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1445F.D\E1A1445R.D
Acq On : 06 Aug 97 11:05 AM Operator: JS/GML
Sample : D1145-62,PS-91(1),P0801-B3,,,5X Inst : E1
Misc : 0,,,2,,25000,,15,0,,01-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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

380

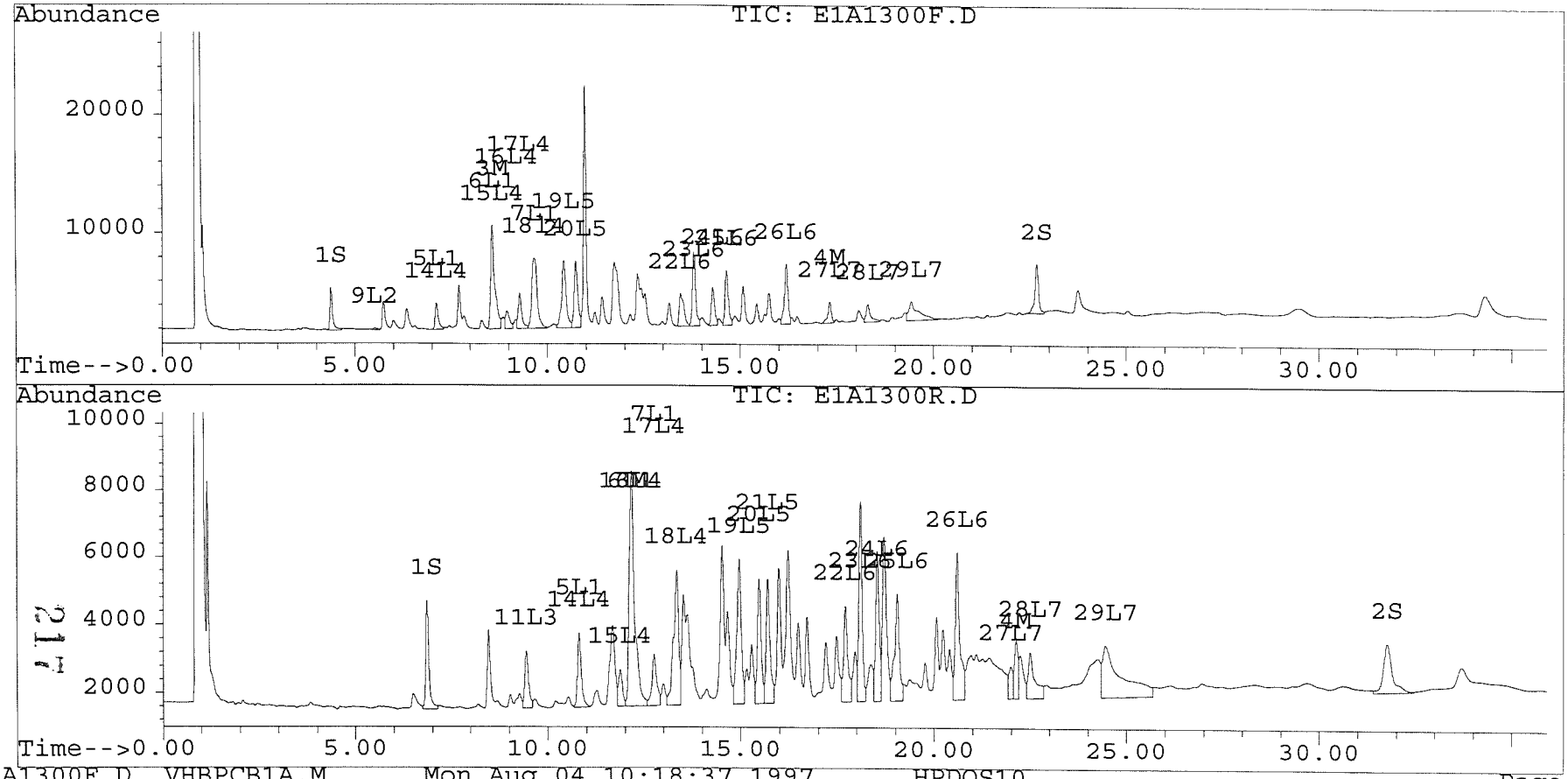
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1300F.D\E1A1300R.D
Acq On : 03 Aug 97 03:38 AM Operator: JS/GML
Sample : D1145-22,R4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3799	3373	16.629	15.972	
					Recovery	=	41.57%	~~39.93%~~	Sr
2)	S	Decachlorobiphenyl	22.68	31.77	3434	1569	14.113	13.839	
					Recovery	=	35.28%	34.60%	69
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.57	12.17	782	629	8.766	7.122	
4)	M	2,2',3,3',4,4'-Hexa	17.29	22.13	251	568	1.379	3.453	#
5)	L1	Aroclor-1016	7.13	10.81	323	297	10.289	10.051	
6)	L1	Aroclor-1016 (2)	8.57	12.17	782	629	17.247	17.012	
7)	L1	Aroclor-1016 (3)	9.67	12.76	628	226	25.997	13.003	#
		Total Aroclor-1016			1733	1152	53.533	40.066	
		Average Aroclor-1016					17.844	13.355	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 (2)	5.51	0.00	206	0	30.379	N.D.	#
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.	
		Total Aroclor-1221			206	0	30.379	N.D.	
		Average Aroclor-1221					30.379	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	7.13	10.81	323	297 BDL	8.845	8.555	
15)	L4	Aroclor-1242 (2)	8.57	11.87	782	231	14.653	15.175	
16)	L4	Aroclor-1242 (3)	8.95	12.17	287	629	13.454	14.632	
17)	L4	Aroclor-1242 (4)	9.28	12.76	392	226	22.365	11.152	#
18)	L4	Aroclor-1242 (5)	9.67	13.35	628	441	22.277	22.802	
		Total Aroclor-1242			2412	1824	81.593	72.316	
		Average Aroclor-1242					16.319	14.463	
19)	L5	Aroclor-1248	10.42	14.97	720	498	26.812	33.053	

218

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20)	L5 Aroclor-1248 {2}	10.72	15.48	859	364	38.424	15.280	#
21)	L5 Aroclor-1248 {3}	0.00	15.71	0	335	N.D.	13.460	#
Total	Aroclor-1248			1579	1198	65.236	61.792	
Average	Aroclor-1248					32.618	20.597	
22)	L6 Aroclor-1254	13.49f	17.71	345	345	9.648	9.822	
23)	L6 Aroclor-1254 {2}	13.80	18.10	672	558	8.888	7.239	
24)	L6 Aroclor-1254 {3}	14.29	18.54	386	470	10.607	9.829	
25)	L6 Aroclor-1254 (4)	14.65	19.05	503	399	11.020	12.176	
26)	L6 Aroclor-1254 (5)	16.20	20.61	422	536	7.004	10.339	#
Total	Aroclor-1254			2328	2309	47.167	49.406	
Average	Aroclor-1254					9.433	9.881	
27)	L7 Aroclor-1260	17.29	0.00	251	0	7.727	N.D.	#
28)	L7 Aroclor-1260 {2}	18.31	22.50	161	391	2.581	6.645	#
29)	L7 Aroclor-1260 {3}	0.00	24.47	0	415	N.D.	16.768	#
Total	Aroclor-1260			412	806	10.308	23.413	
Average	Aroclor-1260					5.154	11.706	

KC

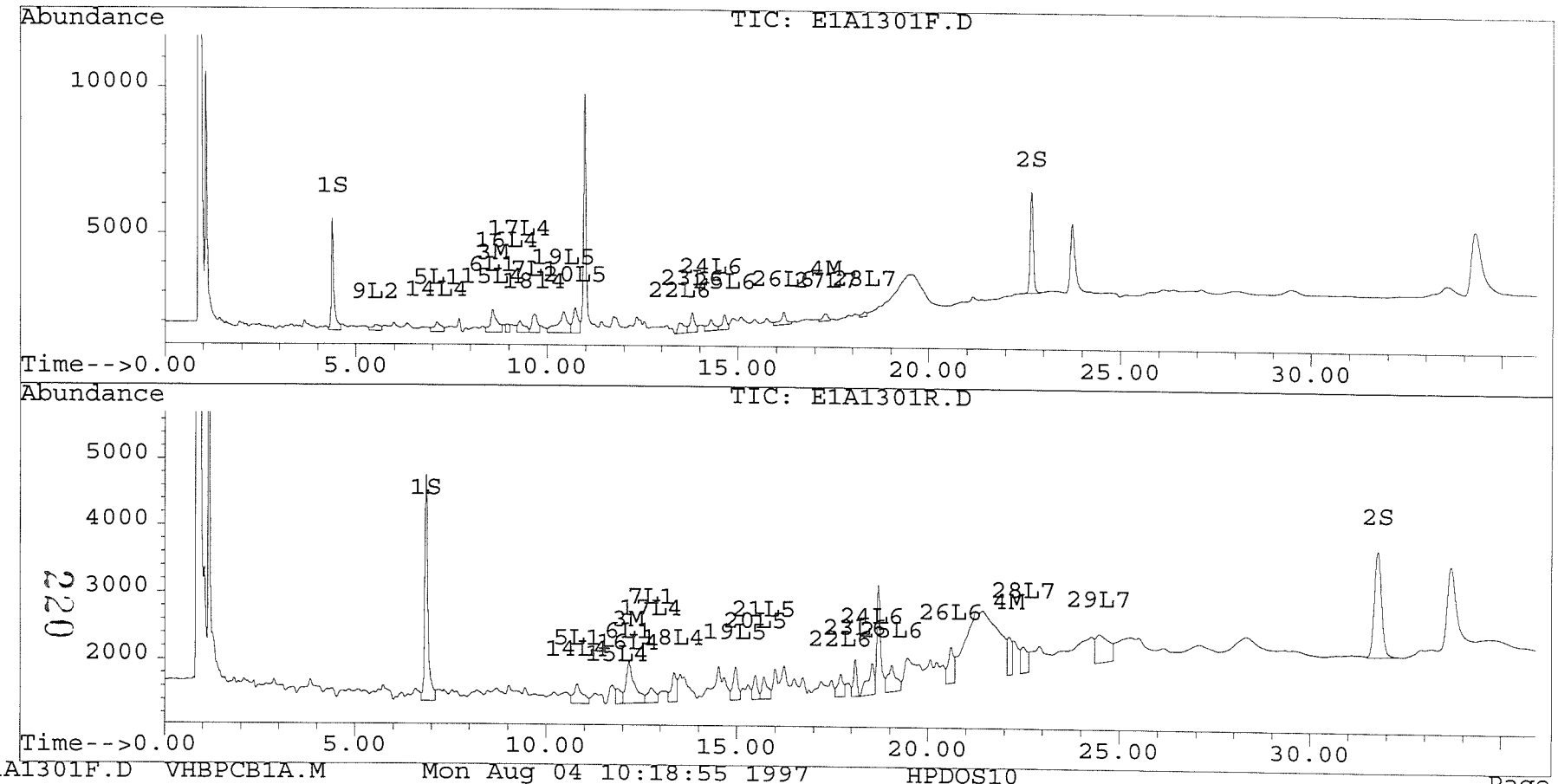
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1301F.D\E1A1301R.D
Acq On : 03 Aug 97 04:17 AM Operator: JS/GML
Sample : D1145-23,R6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3339	2997	14.615	14.191
				Recovery	=	36.54%	35.48%
2) S	Decachlorobiphenyl	22.68	31.78	3315	1632	13.624	14.393
				Recovery	=	34.06%	35.98%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.55	12.15	254007	200061	2847.257	2264.475
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	13550	10660	74.456	64.761
5) L1	Aroclor-1016	7.11	10.80	113823	104719	3623.200	3541.619
6) L1	Aroclor-1016 (2)	8.55	12.15	254007	200061	5602.022	5409.286
7) L1	Aroclor-1016 (3)	9.67	12.75	105875	68929	4384.676	3974.102
Total	Aroclor-1016			473705	373709	13609.898	12925.007
Average	Aroclor-1016					4536.633	4308.336
8) L2	Aroclor-1221	3.64f	0.00	389	0	48.494	N.D. #
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 (3)	0.00	9.44f	0	4662	N.D.	288.724 #
Total	Aroclor-1221			389	4662	48.494	288.724
Average	Aroclor-1221					48.494	288.724
11) L3	Aroclor-1232	0.00	9.44f	0	4662	N.D.	319.456 #
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	4662	N.D.	319.456
Average	Aroclor-1232					0.000	319.456
14) L4	Aroclor-1242	7.11	10.80	113823	104719	3114.893	3014.310
15) L4	Aroclor-1242 (2)	8.55	11.87	254007	51039	4759.258	3357.622
16) L4	Aroclor-1242 (3)	8.94	12.15	78249	200061	3667.814	4652.542
17) L4	Aroclor-1242 (4)	9.27	12.75	95747	68929	5460.055	3408.525
18) L4	Aroclor-1242 (5)	9.67	13.33	105875	69000	3757.301	3567.802
Total	Aroclor-1242			647701	493748	20759.322	18000.801
Average	Aroclor-1242					4151.864	3600.160
19) L5	Aroclor-1248	10.41	14.97	105985	58575	3944.968	3888.087

221

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.72	15.48	88131	30239	3944.139	1267.783
21) L5	Aroclor-1248 {3}	0.00	15.70	0	37119	N.D.	1490.757 #
Total	Aroclor-1248			194116	125933	7889.107	6646.627
Average	Aroclor-1248					3944.553	2215.542
22) L6	Aroclor-1254	13.44	17.71	22834	21403	638.919	608.596
23) L6	Aroclor-1254 {2}	13.79	18.10	47430	45184	626.954	586.294
24) L6	Aroclor-1254 {3}	14.28	18.53	23119	31279	634.472	653.814
25) L6	Aroclor-1254 (4)	14.63	19.05	34414	20520	754.106	625.489
26) L6	Aroclor-1254 (5)	16.19	20.60	38656	32910	641.812	634.470
Total	Aroclor-1254			166453	151297	3296.263	3108.663
Average	Aroclor-1254					659.253	621.733
27) L7	Aroclor-1260	17.32	22.00	13550	3914	417.256	156.275 #
28) L7	Aroclor-1260 {2}	18.30	22.50	9486	8626	151.896	146.476
29) L7	Aroclor-1260 {3}	19.42	24.45	7189	4725	160.901	191.038
Total	Aroclor-1260			30225	17265	730.053	493.789
Average	Aroclor-1260					243.351	164.596

AR1242 = $\frac{18,020 \times 25}{30 \times 0.86}$ = 17000

AR1254 = $\frac{3109 \times 25}{30 \times 0.86}$ = 3000

223

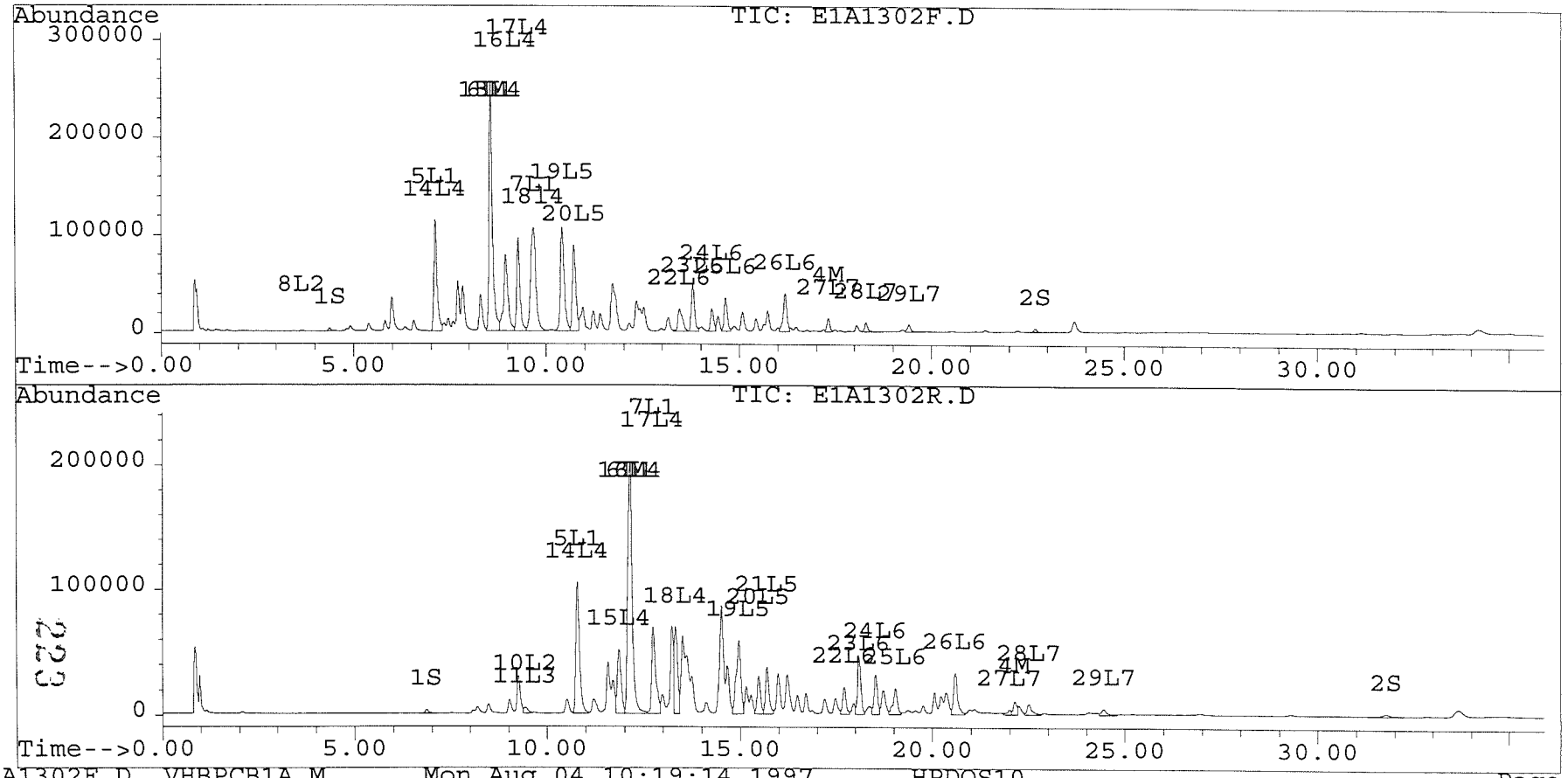
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1302F.D\E1A1302R.D
Acq On : 03 Aug 97 04:57 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	362	323	1.586m	1.529m
					Recovery	=	3.97%	3.82%
2)	S	Decachlorobiphenyl	22.70	31.82f	396	182	1.627	1.602m
					Recovery	=	4.07%	4.01%
		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	7.12	10.81	18622	17323	509.626	498.646
15)	L4	Aroclor-1242 {2}	8.57	11.89	37085	7635	694.848	502.243 #
16)	L4	Aroclor-1242 {3}	8.96	12.17	11531	28998	540.507	674.365
17)	L4	Aroclor-1242 (4)	9.29	12.77	13105	9960	747.299	492.541 #
18)	L4	Aroclor-1242 (5)	9.69	13.35	17620	11766	625.290	608.377
		Total Aroclor-1242			97963	75682	3117.570	2776.171
		Average Aroclor-1242					623.514	555.234
19)	L5	Aroclor-1248	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.

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
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	13.46	17.73	2909	2791	81.396	79.361
23) L6 Aroclor-1254 {2}	13.81	18.12	6804	6123	89.938	79.448
24) L6 Aroclor-1254 {3}	14.30	18.55	3533	4264	96.966	89.137
25) L6 Aroclor-1254 (4)	14.66	19.07	4926	2989	107.945	91.103
26) L6 Aroclor-1254 (5)	16.21	20.62	5297	4365	87.945	84.147
Total Aroclor-1254			23469	20532	464.190	423.196
Average Aroclor-1254					92.838	84.639
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

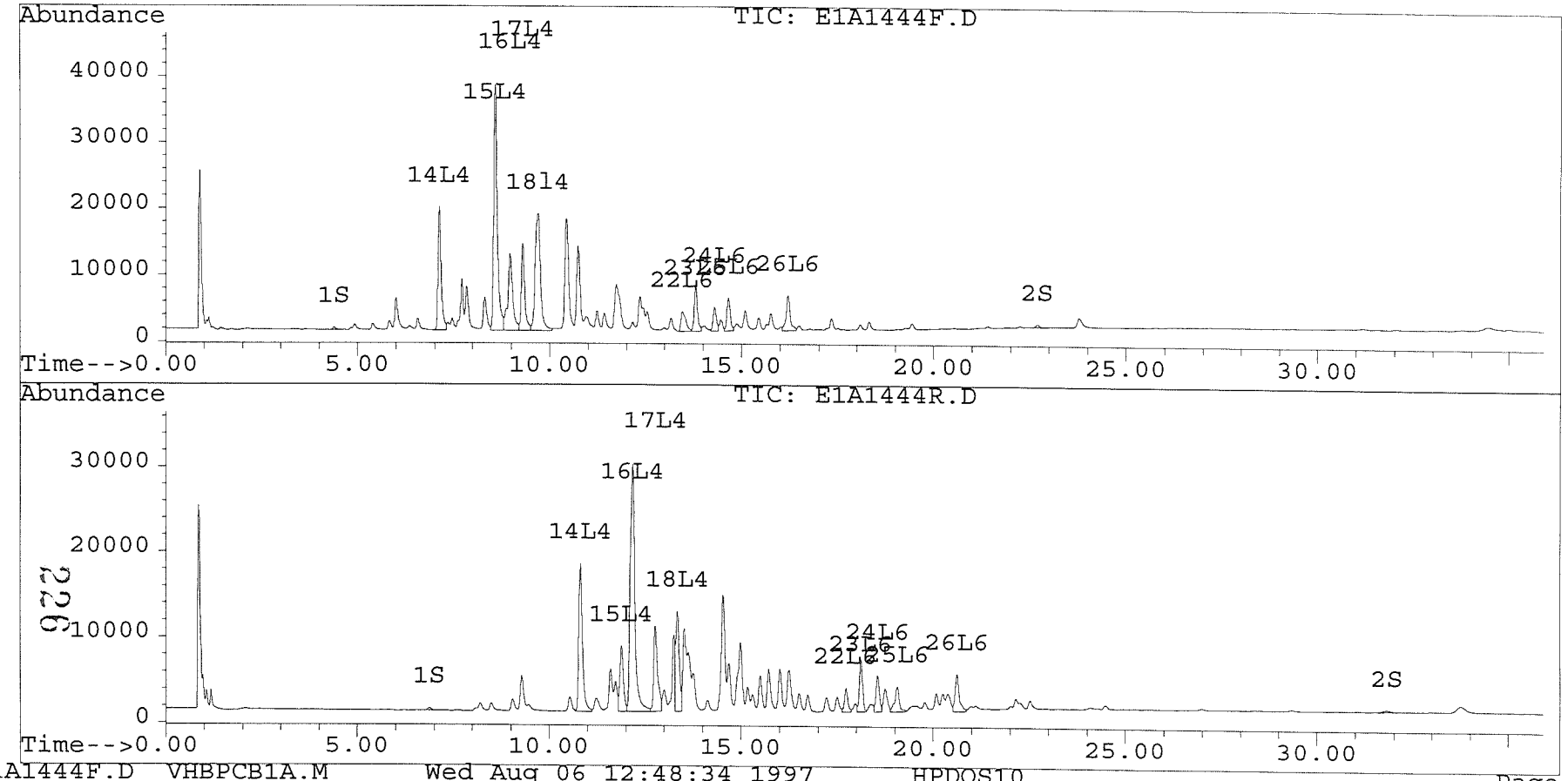
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970804\E1A1444F.D\E1A1444R.D
Acq On : 06 Aug 97 10:25 AM Operator: JS/GML
Sample : D1145-24,Q1-C1,P0730-B2,,,10X Inst : E1
Misc : 3,,,2,,25000,,30,,,05-AUG-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 6 12:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 16:37:54 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3585	4280	15.691	20.268 #
				Recovery	=	~~39.23%~~	50.67%
2) S	Decachlorobiphenyl	22.68	31.77	3642	1504	14.966	13.268
				Recovery	=	37.42%	33.17%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.18	8198	7465	91.899	84.501
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	2453	2138	13.481	12.988
5) L1	Aroclor-1016	7.12	10.80	2206	1791	70.219	60.571
6) L1	Aroclor-1016 (2)	8.57	12.18	8198	7465	180.812	201.853
7) L1	Aroclor-1016 (3)	9.63f	12.72	11788	3943	488.189	227.323 #
Total	Aroclor-1016			22192	13199	739.220	489.746
Average	Aroclor-1016					246.407	163.249
8) L2	Aroclor-1221	3.62	0.00	69	0	8.554	N.D. #
9) L2	Aroclor-1221 (2)	0.00	8.59	0	145	N.D.	22.462 #
10) L2	Aroclor-1221 (3)	6.05f	9.43f	3086	18259	164.456	1130.847 #
Total	Aroclor-1221			3155	18405	173.010	1153.309
Average	Aroclor-1221					86.505	576.655
11) L3	Aroclor-1232	6.05f	9.43f	3086	18259	189.899	1251.214 #
12) L3	Aroclor-1232 (2)	7.23	0.00	1339	0	94.652	N.D. #
13) L3	Aroclor-1232 (3)	8.66	12.30	11784	9531	623.659	620.640
Total	Aroclor-1232			16209	27790	908.210	1871.854
Average	Aroclor-1232					302.737	935.927
14) L4	Aroclor-1242	7.12	10.80	2206	1791	60.368	51.552
15) L4	Aroclor-1242 (2)	8.57	0.00	8198	0	153.611	N.D. #
16) L4	Aroclor-1242 (3)	8.94	12.18	1811	7465	84.876	173.614 #
17) L4	Aroclor-1242 (4)	9.28	12.72	3486	3943	198.796	194.971
18) L4	Aroclor-1242 (5)	9.63f	13.34	11788	5509	418.337	284.839 #
Total	Aroclor-1242			27489	18708	915.988	704.976
Average	Aroclor-1242					183.198	176.244
19) L5	Aroclor-1248	10.41	14.95	9358	13939	348.327	925.250 #

227

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	16117	4573	721.298	191.744 #
21) L5	Aroclor-1248 {3}	11.79	15.70	7040	4903	250.156	196.921
Total	Aroclor-1248			32515	23416	1319.782	1313.914
Average	Aroclor-1248					439.927	437.971
22) L6	Aroclor-1254	13.45	17.71	4629	3925	129.533	111.609
23) L6	Aroclor-1254 {2}	13.80	18.10	9542	8572	126.131	111.231
24) L6	Aroclor-1254 {3}	14.29	18.54	4404	5219	120.873	109.092
25) L6	Aroclor-1254 (4)	14.65	19.05	5329	3828	116.764	116.691
26) L6	Aroclor-1254 (5)	16.19	20.61	6587	6363	109.370	122.678
Total	Aroclor-1254			30492	27908	602.671	571.300
Average	Aroclor-1254					120.534	114.260
27) L7	Aroclor-1260	17.32	22.00	2453	1157	75.548	46.203 #
28) L7	Aroclor-1260 {2}	18.30	22.50	2381	1857	38.127	31.542
29) L7	Aroclor-1260 {3}	19.42	24.45	1831	1205	40.980	48.727
Total	Aroclor-1260			6665	4220	154.655	126.472
Average	Aroclor-1260					51.552	42.157

AR1254 = $\frac{571.3 \times 25}{30 \times 0.92} = 520$

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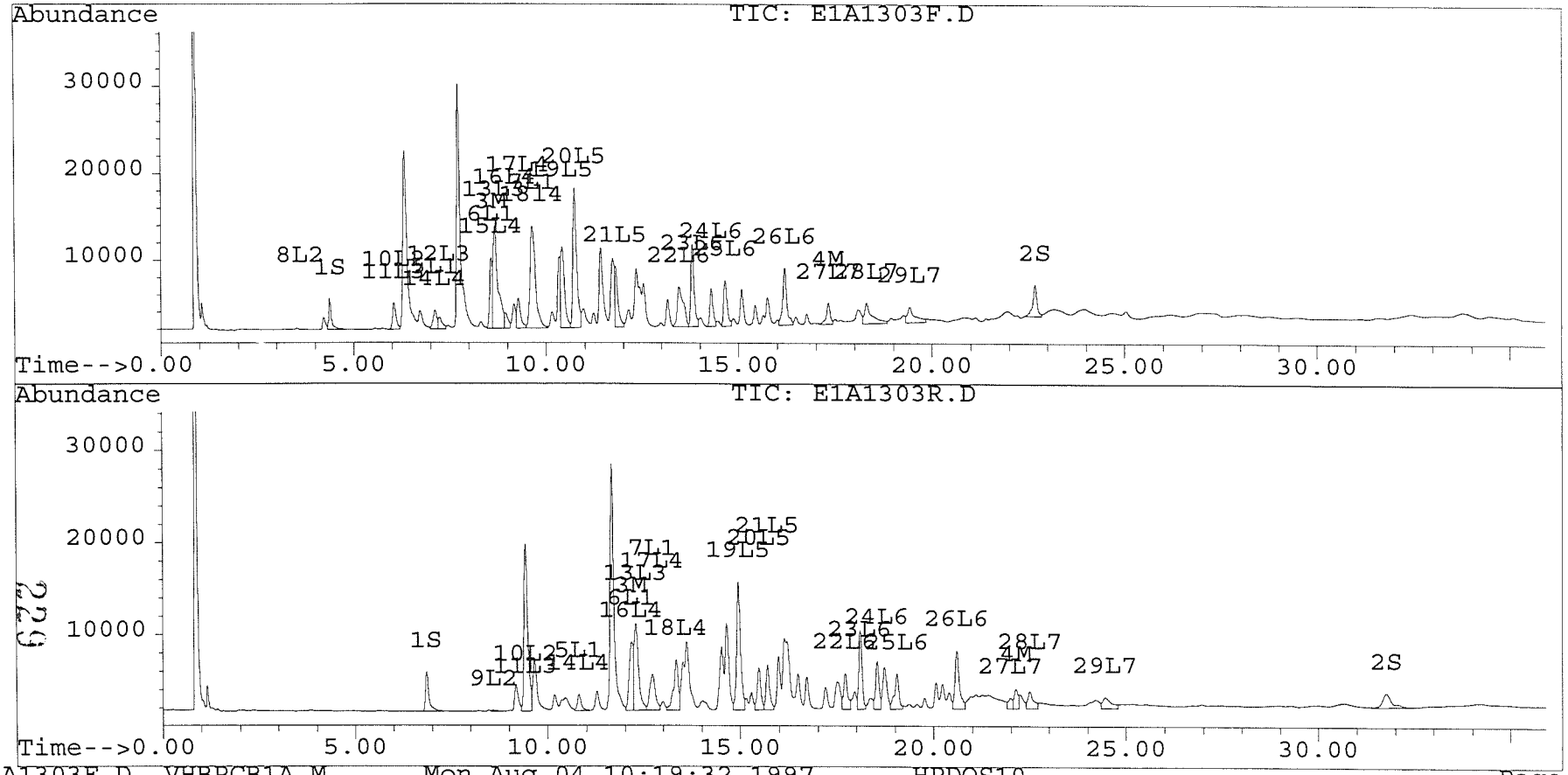
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1303F.D VHBPCB1A.M Mon Aug 04 10:19:24 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1303F.D\E1A1303R.D
Acq On : 03 Aug 97 05:37 AM Operator: JS/GML
Sample : D1145-25,Q2-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3472	3168	15.196	15.001
				Recovery	=	37.99%	37.50%
2) S	Decachlorobiphenyl	22.68	31.77	3381	1665	13.895	14.689
				Recovery	=	34.74%	36.72%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	22397	18590	251.053	210.416
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	4588	3864	25.213	23.477
5) L1	Aroclor-1016	7.12	10.80	5411	5106	172.257	172.672
6) L1	Aroclor-1016 {2}	8.57	12.17	22397	18590	493.950	502.632
7) L1	Aroclor-1016 {3}	9.66	12.74	15919	4599	659.255	265.128 #
Total	Aroclor-1016			43727	28294	1325.462	940.433
Average	Aroclor-1016					441.821	313.478
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	74	0	10.892	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.44f	0	7810	N.D.	483.669 #
Total	Aroclor-1221			74	7810	10.892	483.669
Average	Aroclor-1221					10.892	483.669
11) L3	Aroclor-1232	0.00	9.44f	0	7810	N.D.	535.151 #
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	7810	N.D.	535.151
Average	Aroclor-1232					0.000	535.151
14) L4	Aroclor-1242	7.12	10.80	5411	5106	148.091	146.963
15) L4	Aroclor-1242 {2}	8.57	11.87	22397	2715	419.641	178.624 #
16) L4	Aroclor-1242 {3}	8.95	12.17	3982	18590	186.652	432.315 #
17) L4	Aroclor-1242 (4)	9.28	12.74	8106	4599	462.260	227.397 #
18) L4	Aroclor-1242 (5)	9.66	13.34	15919	10515	564.926	543.729
Total	Aroclor-1242			55815	41525	1781.569	1529.027
Average	Aroclor-1242					356.314	305.805
19) L5	Aroclor-1248	10.42	14.96	14790	13800	550.503	915.991 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	17037	9142	762.477	383.278 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	8896	N.D.	357.264 #
Total Aroclor-1248			31827	31837	1312.980	1656.532
Average Aroclor-1248					656.490	552.177
22) L6 Aroclor-1254	13.45	17.71	7812	7307	218.579	207.782
23) L6 Aroclor-1254 {2}	13.80	18.10	17290	16045	228.547	208.188
24) L6 Aroclor-1254 {3}	14.29	18.54	8338	11078	228.836	231.563
25) L6 Aroclor-1254 (4)	14.65	19.05	11905	7759	260.875	236.511
26) L6 Aroclor-1254 (5)	16.19	20.60	13660	11180	226.800	215.530
Total Aroclor-1254			59005	53369	1163.637	1099.574
Average Aroclor-1254					232.727	219.915
27) L7 Aroclor-1260	17.32	22.00	4588	1756	141.294	70.101 #
28) L7 Aroclor-1260 {2}	18.30	22.50	3170	2998	50.757	50.906
29) L7 Aroclor-1260 {3}	19.42	24.45	2678	2793	59.928	112.904 #
Total Aroclor-1260			10436	7546	251.979	233.911
Average Aroclor-1260					83.993	77.970

$AR\ 1242 = \frac{(420+462+565)\times\frac{5}{5}\times 25}{30\times 0.85} = 2400$

$AR\ 1254 = \frac{1099.6\times 25}{30\times 0.85} = 1100$

231

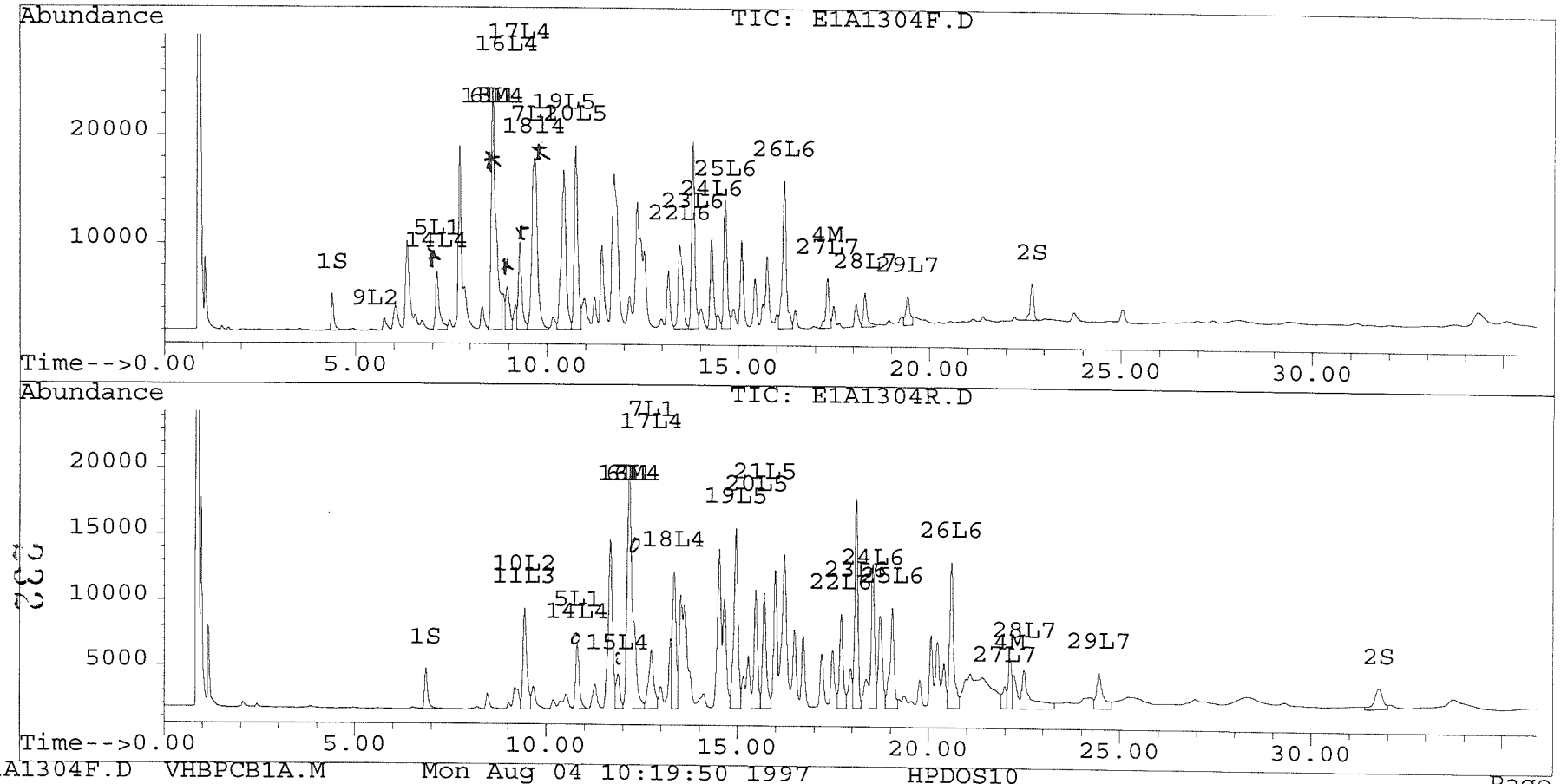
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1304F.D\E1A1304R.D
Acq On : 03 Aug 97 06:16 AM Operator: JS/GML
Sample : D1145-26,Q4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3792	3342	16.599	15.828
				Recovery	=	41.50%	39.57%
2) S	Decachlorobiphenyl	22.68	31.77	3450	1698	14.176	14.975
				Recovery	=	35.44%	37.44%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	1420	1104	15.922	12.501
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	550	570	3.025	3.462
5) L1	Aroclor-1016	7.12	10.81	457	433	14.562	14.656
6) L1	Aroclor-1016 (2)	8.58	12.17	1420	1104	31.326	29.862
7) L1	Aroclor-1016 (3)	9.66	12.75	1151	339	47.668	19.529 #
Total	Aroclor-1016			3029	1876	93.556	64.046
Average	Aroclor-1016					31.185	21.349
8) L2	Aroclor-1221	0.00	6.04f	0	32	N.D.	4.499 #
9) L2	Aroclor-1221 (2)	5.51	0.00	203	0	29.933	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			203	32	29.933	4.499
Average	Aroclor-1221					29.933	4.499
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	7.12	10.81	457	433	12.519	12.473
15) L4	Aroclor-1242 (2)	8.58	11.87	1420	296	26.613	19.502 #
16) L4	Aroclor-1242 (3)	8.96	12.17	427	1104	20.011	25.684 #
17) L4	Aroclor-1242 (4)	9.29	12.75	618	339	35.221	16.750 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1151	800	40.847	41.365
Total	Aroclor-1242			4073	2973	135.211	115.774
Average	Aroclor-1242					27.042	23.155
19) L5	Aroclor-1248	10.42	14.97	1210	747	45.025	49.569

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	1193	766	53.394	32.111 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	626	N.D.	25.160 #
Total	Aroclor-1248			2403	2139	98.419	106.840
Average	Aroclor-1248					49.210	35.613
22) L6	Aroclor-1254	13.46	17.71	719	690	20.123	19.633
23) L6	Aroclor-1254 {2}	13.80	18.10	1613	1374	21.317	17.825
24) L6	Aroclor-1254 {3}	14.29	18.54	926	1064	25.422	22.241
25) L6	Aroclor-1254 (4)	14.65	19.05	1243	831	27.230	25.333
26) L6	Aroclor-1254 (5)	16.20	20.60	1271	1165	21.109	22.456
Total	Aroclor-1254			5772	5124	115.202	107.487
Average	Aroclor-1254					23.040	21.497
27) L7	Aroclor-1260	17.31	22.00	550	396	16.950	15.794
28) L7	Aroclor-1260 {2}	18.30	22.50	346	561	5.541	9.531 #
29) L7	Aroclor-1260 {3}	19.42	24.47	242	398	5.415	16.082 #
Total	Aroclor-1260			1138	1355	27.907	41.407
Average	Aroclor-1260					9.302	13.802

below RBL

$AR1242 = \frac{(26.6 + 35.2 + 40.8) \times \frac{5}{5} \times 25}{30 \times 0.85} = 170$

$AR1262 = \frac{107.5 \times 25}{30 \times 0.85} \approx 110$

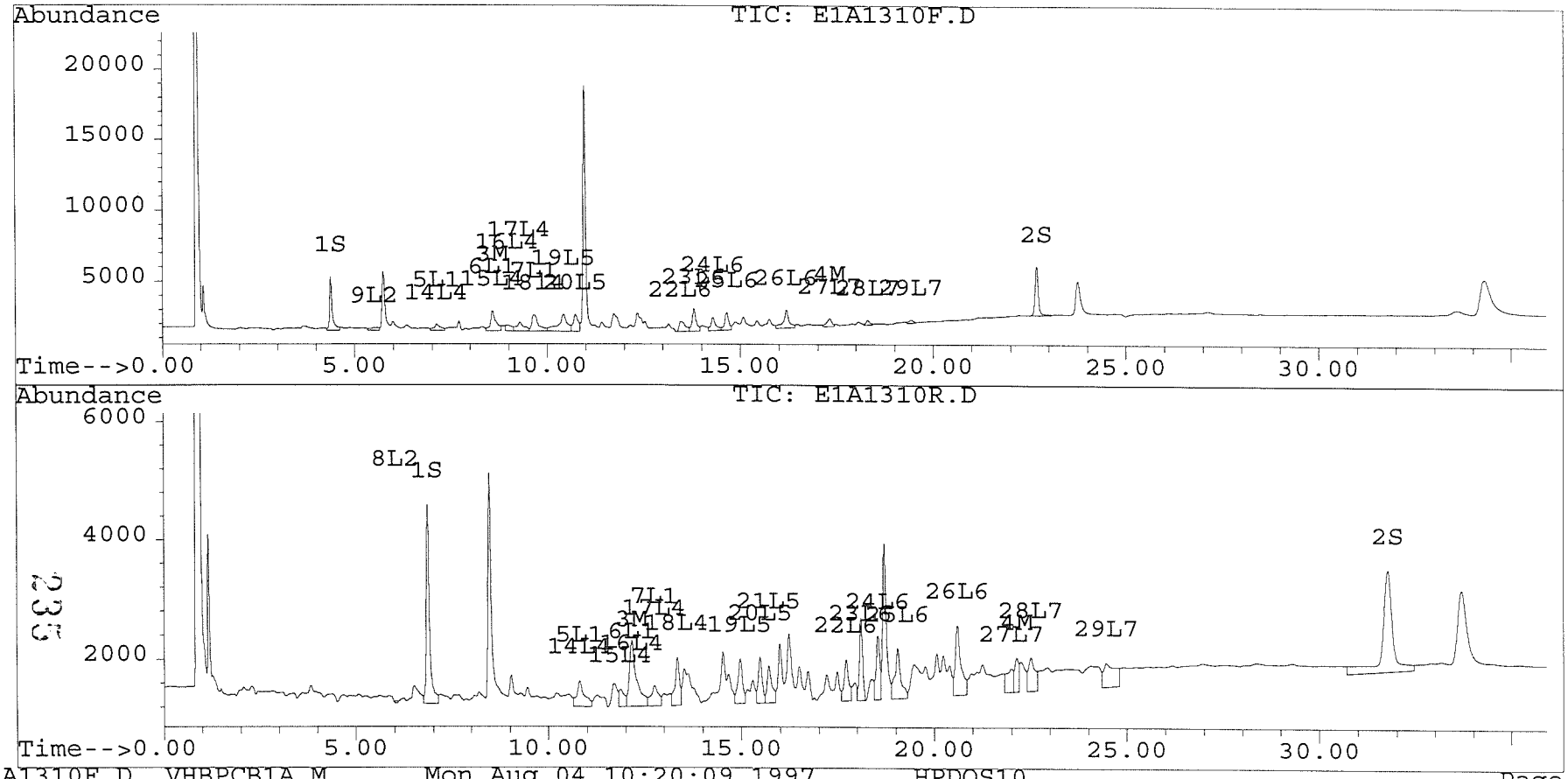
BRL not NP

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1310F.D\E1A1310R.D
Acq On : 03 Aug 97 10:13 AM Operator: JS/GML
Sample : D1145-27,Q6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3218	2900	14.084	13.731
				Recovery	=	35.21%	34.33%
2) S	Decachlorobiphenyl	22.68	31.77	3253	1600	13.367	14.113
				Recovery	=	33.42%	35.28%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	2042	1769	22.891	20.025
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	529	570	2.909	3.464
5) L1	Aroclor-1016	7.13	10.81	367	434	11.685	14.665 #
6) L1	Aroclor-1016 (2)	8.58	12.17	2042	1769	45.038	47.834
7) L1	Aroclor-1016 (3)	9.66	12.75	1385	456	57.376	26.281 #
Total	Aroclor-1016			3795	2659	114.099	88.780
Average	Aroclor-1016					38.033	29.593
8) L2	Aroclor-1221	3.63f	0.00	174	0	21.722	N.D. #
9) L2	Aroclor-1221 (2)	5.52	0.00	93	0	13.745	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			267	0	35.468	N.D.
Average	Aroclor-1221					17.734	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	7.13	10.81	367	434	10.046	12.482
15) L4	Aroclor-1242 (2)	8.58	11.87	2042	275	38.263	18.068 #
16) L4	Aroclor-1242 (3)	8.96	12.17	393	1769	18.403	41.142 #
17) L4	Aroclor-1242 (4)	9.29	12.75	680	456	38.781	22.541 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1385	941	49.166	48.636
Total	Aroclor-1242			4867	3874	154.659	142.868
Average	Aroclor-1242					30.932	28.574
19) L5	Aroclor-1248	10.42	14.97	1290	1166	48.009	77.393 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	10.73	15.49	1451	990	64.957	41.501	#
21) L5	Aroclor-1248 {3}	11.74f	15.71	1426	962	50.676	38.644	
Total	Aroclor-1248			4167	3118	163.642	157.538	
Average	Aroclor-1248					54.547	52.513	
22) L6	Aroclor-1254	13.46	17.71	723	706	20.240	20.065	
23) L6	Aroclor-1254 {2}	13.80	18.10	1635	1458	21.611	18.916	
24) L6	Aroclor-1254 {3}	14.29	18.54	873	1177	23.955	24.601	
25) L6	Aroclor-1254 (4)	14.65	19.05	1246	830	27.298	25.288	
26) L6	Aroclor-1254 (5)	16.20	20.60	1266	1281	21.027	24.699	
Total	Aroclor-1254			5743	5451	114.131	113.568	BR
Average	Aroclor-1254					22.826	22.714	
27) L7	Aroclor-1260	17.32	22.00	529	392	16.301	15.660	
28) L7	Aroclor-1260 {2}	18.30	22.50	363	593	5.807	10.072	#
29) L7	Aroclor-1260 {3}	19.42	24.49f	314	444	7.023	17.943	#
Total	Aroclor-1260			1206	1429	29.131	43.676	
Average	Aroclor-1260					9.710	14.559	

$$AR\ 1242 = \frac{(38.263 + 35.75 + 49.17) \times \frac{5}{3} \times 2}{30 \times 0.9}$$

$$= 190$$

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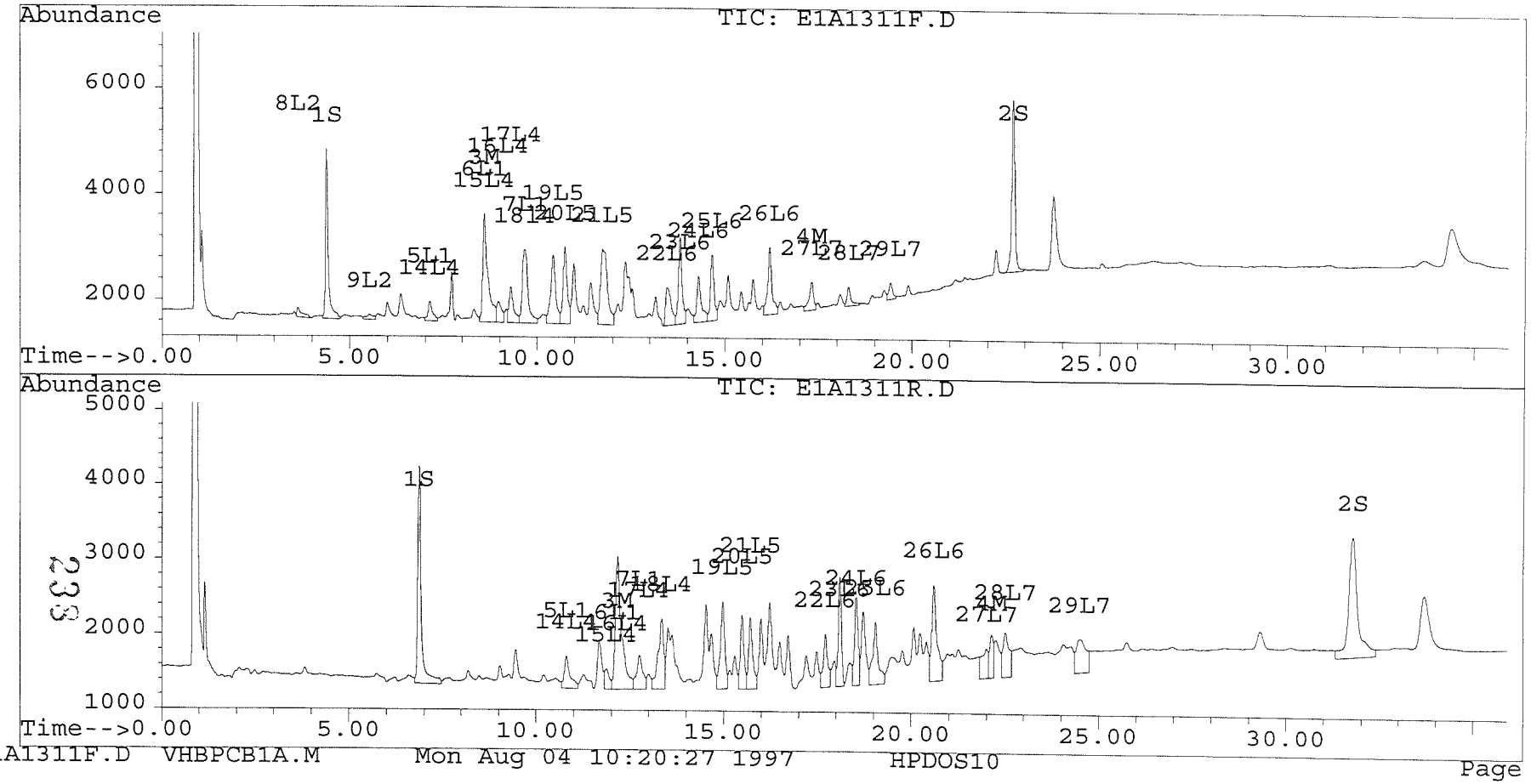
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1311F.D\E1A1311R.D
Acq On : 03 Aug 97 10:53 AM Operator: JS/GML
Sample : D1145-28,Q7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3815	3489	16.699	16.524
				Recovery	=	41.75%	41.31%
2) S	Decachlorobiphenyl	22.68	31.77	3563	1714	14.643	15.123
				Recovery	=	36.61%	37.81%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	8882	7253	99.557	82.095
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	1837	1637	10.093	9.945
5) L1	Aroclor-1016	7.12	10.80	2333	2216	74.273	74.948
6) L1	Aroclor-1016 {2}	8.57	12.17	8882	7253	195.879	196.106
7) L1	Aroclor-1016 {3}	9.64f	12.74	6860	2691	284.091	155.159 #
Total	Aroclor-1016			18075	12160	554.243	426.213
Average	Aroclor-1016					184.748	142.071
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	70	0	10.239	N.D. #
10) L2	Aroclor-1221 {3}	6.05f	9.43f	1441	6139	76.764	380.206 #
Total	Aroclor-1221			1510	6139	87.003	380.206
Average	Aroclor-1221					43.502	380.206
11) L3	Aroclor-1232	6.05f	9.43f	1441	6139	88.640	420.675 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.66	12.29	5932	4496	313.927	292.745
Total	Aroclor-1232			7372	10635	402.567	713.420
Average	Aroclor-1232					201.284	356.710
14) L4	Aroclor-1242	7.12	10.80	2333	2216	63.853	63.789
15) L4	Aroclor-1242 {2}	8.57	11.87	8882	1343	166.411	88.327 #
16) L4	Aroclor-1242 {3}	8.95	12.17	1767	7253	82.806	168.671 #
17) L4	Aroclor-1242 (4)	9.28	12.74	3034	2691	173.041	133.077
18) L4	Aroclor-1242 (5)	9.64	13.34	6860	3949	243.443	204.209
Total	Aroclor-1242			22876	17452	729.554	658.074
Average	Aroclor-1242					145.911	131.615
19) L5	Aroclor-1248	10.41	14.96	5980	7676	222.592	509.514 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1312F.D VHBPCB1A.M Mon Aug 04 10:20:37 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	8693	3810	389.043	159.733 #
21) L5	Aroclor-1248 {3}	0.00	15.70	0	3640	N.D.	146.171 #
Total	Aroclor-1248			14673	15125	611.635	815.418
Average	Aroclor-1248					305.818	271.806
22) L6	Aroclor-1254	13.45	17.71	3092	2651	86.516	75.394
23) L6	Aroclor-1254 {2}	13.80	18.10	6527	5916	86.276	76.769
24) L6	Aroclor-1254 {3}	14.29	18.54	3149	4319	86.413	90.272
25) L6	Aroclor-1254 (4)	14.64	19.05	4734	2942	103.742	89.690
26) L6	Aroclor-1254 (5)	16.19	20.60	5108	4212	84.807	81.199
Total	Aroclor-1254			22610	20041	447.754	413.324
Average	Aroclor-1254					89.551	82.665
27) L7	Aroclor-1260	17.32	22.00	1837	821	56.560	32.792 #
28) L7	Aroclor-1260 {2}	18.30	22.50	1231	1317	19.711	22.370
29) L7	Aroclor-1260 {3}	19.42	24.45	964	755	21.565	30.532 #
Total	Aroclor-1260			4031	2894	97.835	85.695
Average	Aroclor-1260					32.612	28.565

$AR_{1242} = \frac{(166 + 173 + 2\times4) \times \frac{5}{3} \times 25}{30 \times 0.83} = 980$

$AR_{1254/1260} = \frac{413 \times 25}{30 \times 0.83} \sim 410$

240

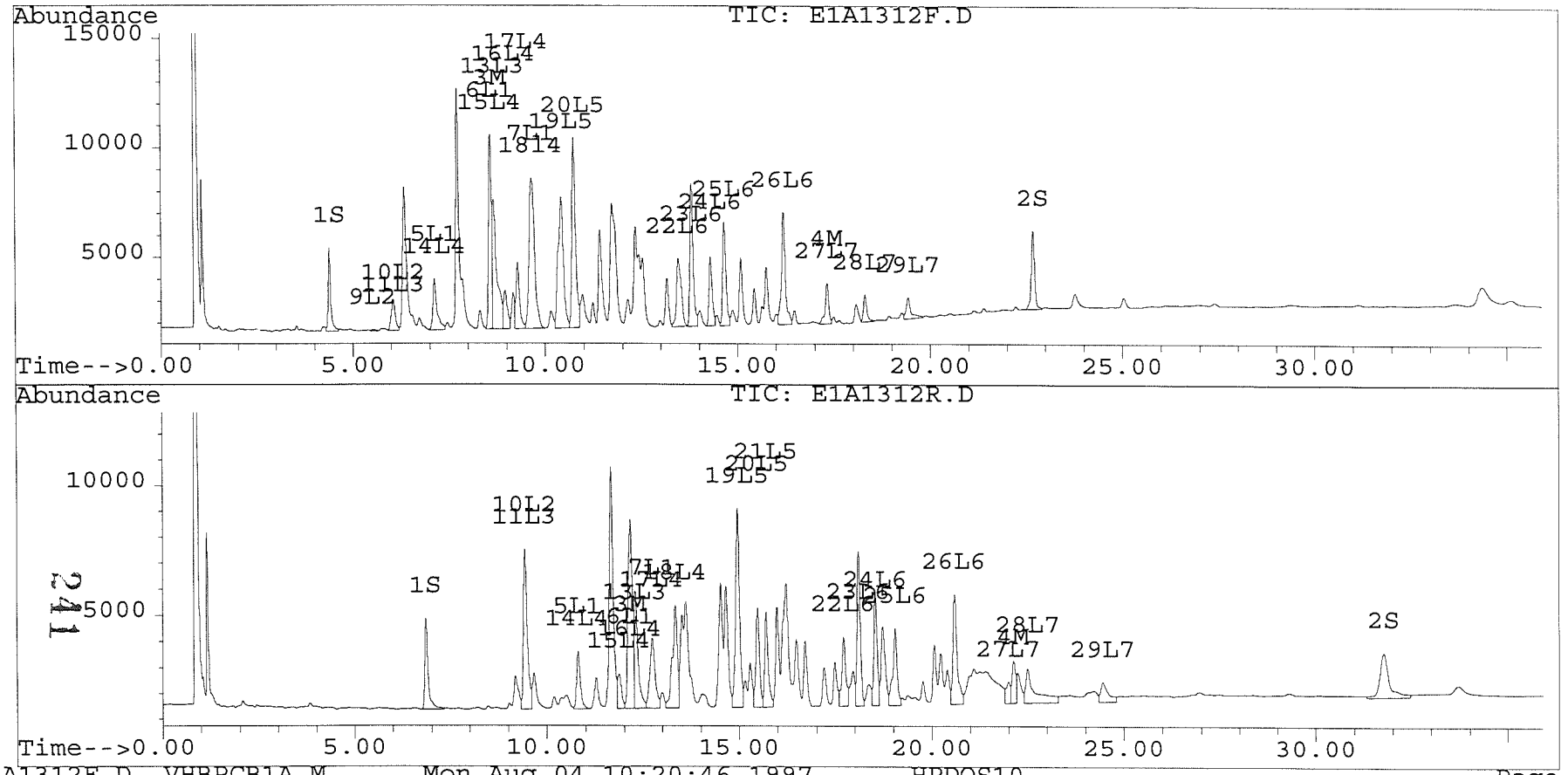
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1312F.D\E1A1312R.D
Acq On : 03 Aug 97 11:33 AM Operator: JS/GML
Sample : D1145-29,P4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4028	3491	17.632	16.531
				Recovery	=	44.08%	41.33%
2) S	Decachlorobiphenyl	22.68	31.78	3542	1765	14.555	15.568
				Recovery	=	36.39%	38.92%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.16	4725	3661	52.960	41.435
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	1361	1043	7.481	6.335
5) L1	Aroclor-1016	7.12	10.80	1115	1058	35.490	35.782
6) L1	Aroclor-1016 (2)	8.57	12.16	4725	3661	104.200	98.979
7) L1	Aroclor-1016 (3)	9.65	12.75	3486	846	144.360	48.771 #
Total	Aroclor-1016			9325	5565	284.051	183.532
Average	Aroclor-1016					94.684	61.177
8) L2	Aroclor-1221	3.64f	0.00	724	0	90.280	N.D. #
9) L2	Aroclor-1221 (2)	5.51	0.00	365	0	53.656	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			1088	0	143.936	N.D.
Average	Aroclor-1221					71.968	0.000
11) L3	Aroclor-1232	0.00	9.44f	0	1051	N.D.	72.037 #
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	1051	N.D.	72.037
Average	Aroclor-1232					0.000	72.037
14) L4	Aroclor-1242	7.12	10.80	1115	1058	30.511	30.454
15) L4	Aroclor-1242 (2)	8.57	11.87	4725	583	88.524	38.323 #
16) L4	Aroclor-1242 (3)	8.95	12.16	869	3661	40.752	85.132 #
17) L4	Aroclor-1242 (4)	9.28	12.75	1695	846	96.635	41.830 #
18) L4	Aroclor-1242 (5)	9.65	13.34	3486	2325	123.705	120.205
Total	Aroclor-1242			11889	8472	380.127	315.945
Average	Aroclor-1242					76.025	63.189
19) L5	Aroclor-1248	10.42	14.96	3367	2433	125.309	161.502 #

242

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.73	15.48	3511	2072	157.128	86.853 #
21) L5 Aroclor-1248 (3)	0.00	15.70	0	1930	N.D.	77.494 #
Total Aroclor-1248			6878	6434	282.437	325.849
Average Aroclor-1248					141.218	108.616
22) L6 Aroclor-1254	13.45	17.71	1877	1686	52.522	47.944
23) L6 Aroclor-1254 (2)	13.79	18.10	4295	3718	56.779	48.249
24) L6 Aroclor-1254 (3)	14.29	18.52	2245	3140	61.620	65.640
25) L6 Aroclor-1254 (4)	14.64	19.05	3179	2063	69.662	62.892
26) L6 Aroclor-1254 (5)	16.23f	20.60	11091	3216	184.142	61.999 #
Total Aroclor-1254			22688	13824	424.724	286.724
Average Aroclor-1254					84.945	57.345
27) L7 Aroclor-1260	17.31	22.00	1361	622	41.925	24.816 #
28) L7 Aroclor-1260 (2)	18.30	22.50	1051	1142	16.823	19.397
29) L7 Aroclor-1260 (3)	19.42	24.45	1490	714	33.348	28.860
Total Aroclor-1260			3902	2478	92.096	73.073
Average Aroclor-1260					30.699	24.358

$AR1242 = \frac{(88.5 + 96.6 + 123.1) \times \frac{5}{3} \times 25}{30 \times 0.85} = \frac{}{500}$

$AR1254 = \frac{286.7 \times 25}{30 \times 0.85} \sim 280$

243

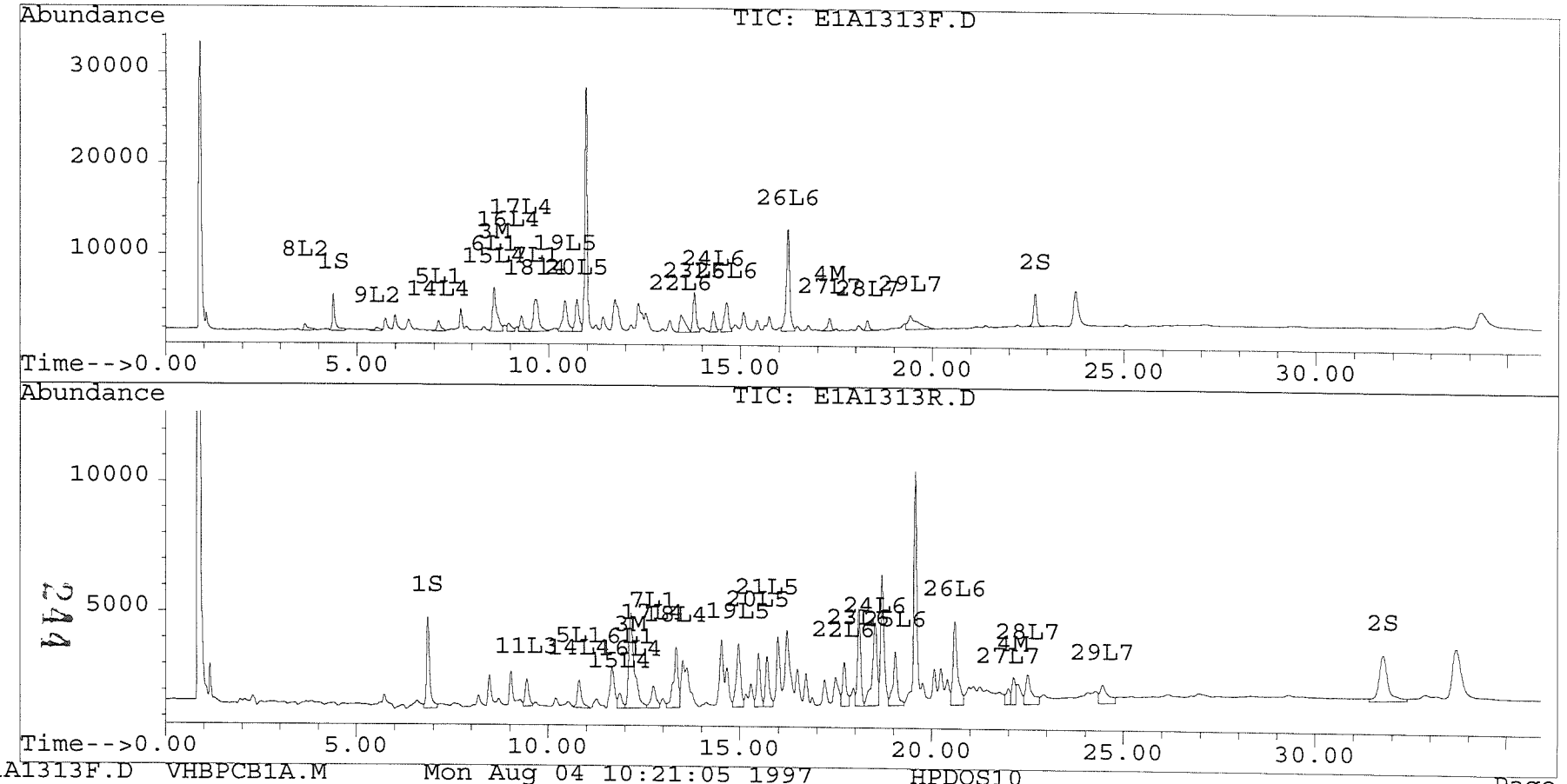
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1313F.D\E1A1313R.D
Acq On : 03 Aug 97 12:12 PM Operator: JS/GML
Sample : D1145-30,P6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.86	3481	3095	15.237	14.656
				Recovery	=	38.09%	36.64%
2) S	Decachlorobiphenyl	22.68	31.77	3140	1485	12.903	13.094
				Recovery	=	32.26%	32.74%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.16	40677	33493	455.967	379.101
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	6151	4273	33.797	25.959
5) L1	Aroclor-1016	7.12	10.80	8624	8201	274.508	277.364
6) L1	Aroclor-1016 {2}	8.57	12.16	40677	33493	897.121	905.581
7) L1	Aroclor-1016 {3}	9.67	12.75	24949	5102	1033.219	294.131 #
Total	Aroclor-1016			74250	46795	2204.848	1477.077
Average	Aroclor-1016					734.949	492.359
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.52	0.00	254	0	37.335	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.44f	0	4574	N.D.	283.268 #
Total	Aroclor-1221			254	4574	37.335	283.268
Average	Aroclor-1221					37.335	283.268
11) L3	Aroclor-1232	0.00	9.44f	0	4574	N.D.	313.419 #
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	4574	N.D.	313.419
Average	Aroclor-1232					0.000	313.419
14) L4	Aroclor-1242	7.12	10.80	8624	8201	235.997	236.068
15) L4	Aroclor-1242 {2}	8.57	11.87	40677	4263	762.159	280.456 #
16) L4	Aroclor-1242 {3}	8.95	12.16	5906	33493	276.835	778.893 #
17) L4	Aroclor-1242 (4)	9.28	12.75	14673	5102	836.755	252.272 #
18) L4	Aroclor-1242 (5)	9.67	13.34	24949	16812	885.382	869.299
Total	Aroclor-1242			94829	67870	2997.128	2416.988
Average	Aroclor-1242					599.426	483.398
19) L5	Aroclor-1248	10.42	14.97	24184	17242	900.178	1144.480 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1314F.D VHBPCB1A.M Mon Aug 04 10:21:14 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.72	15.48	24661	13075	1103.657	548.194 #
21) L5 Aroclor-1248 {3}	0.00	15.70	0	14153	N.D.	568.401 #
Total Aroclor-1248			48845	44470	2003.836	2261.074
Average Aroclor-1248					1001.918	753.691
22) L6 Aroclor-1254	13.45	17.71	9978	9433	279.197	268.226
23) L6 Aroclor-1254 {2}	13.79	18.10	22005	19990	290.879	259.385
24) L6 Aroclor-1254 {3}	14.29	18.54	10771	14057	295.611	293.824
25) L6 Aroclor-1254 (4)	14.64	19.05	15380	9508	337.018	289.820
26) L6 Aroclor-1254 (5)	16.19	20.60	17135	13612	284.496	262.425
Total Aroclor-1254			75270	66600	1487.201	1373.681
Average Aroclor-1254					297.440	274.736
27) L7 Aroclor-1260	17.32	22.00	6151	1808	189.404	72.175 #
28) L7 Aroclor-1260 {2}	18.30	22.50	4941	4110	79.120	69.793
29) L7 Aroclor-1260 {3}	19.42	24.45	3961	1624	88.646	65.654 #
Total Aroclor-1260			15052	7542	357.170	207.623
Average Aroclor-1260					119.057	69.208

$AR1242 = \frac{\begin{pmatrix}762\\831\\885\end{pmatrix} \times \frac{5}{3} \times 25}{30 \times 0.91} = 1380$

$AR1254 = \frac{1374 \times 25}{30 \times 0.91} = 1374$

246

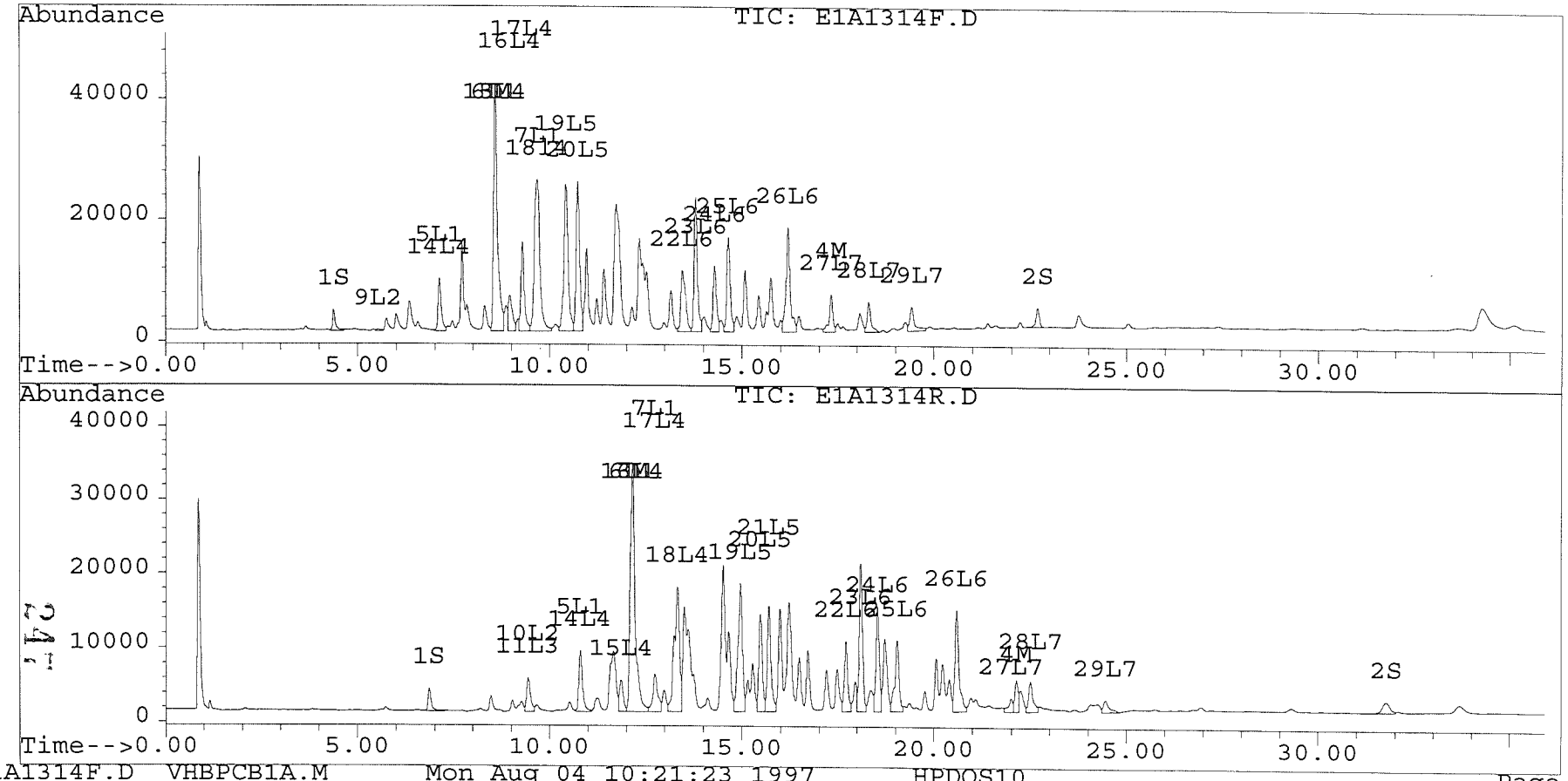
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1314F.D VHBPCB1A.M Mon Aug 04 10:21:15 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1314F.D\E1A1314R.D
Acq On : 03 Aug 97 12:52 PM Operator: JS/GML
Sample : D1145-31,P9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3858	3279	16.888	15.529
				Recovery	=	42.22%	38.82%
2) S	Decachlorobiphenyl	22.68	31.77	3524	1695	14.483	14.952
				Recovery	=	36.21%	37.38%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	1961	1609	21.980	18.211
4) M	2,2',3,3',4,4'-Hexa	17.31	22.14	545	696	2.996	4.230 #
5) L1	Aroclor-1016	7.12	10.81	482	493	15.348	16.675
6) L1	Aroclor-1016 {2}	8.57	12.17	1961	1609	43.246	43.501
7) L1	Aroclor-1016 {3}	9.66	12.75	1645	286	68.109	16.477 #
Total	Aroclor-1016			4088	2388	126.703	76.652
Average	Aroclor-1016					42.234	25.551
8) L2	Aroclor-1221	3.62	0.00	478	0	59.628	N.D. #
9) L2	Aroclor-1221 {2}	5.51	0.00	66	0	9.707	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			544	0	69.335	N.D.
Average	Aroclor-1221					34.668	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	7.12	10.81	482	493	13.195 BDL	14.192
15) L4	Aroclor-1242 {2}	8.57	11.87	1961	250	36.740	16.462 #
16) L4	Aroclor-1242 {3}	8.96	12.17	337	1609	15.782	37.415 #
17) L4	Aroclor-1242 (4)	9.28	12.75	650	286	37.087	14.132 #
18) L4	Aroclor-1242 (5)	9.66	13.34	1645	1096	58.364	56.682
Total	Aroclor-1242			5075	3734	161.168	138.883
Average	Aroclor-1242					32.234	27.777
19) L5	Aroclor-1248	10.42	14.97	1489	856	55.414	56.798

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.73	15.48	1392	886	62.286	37.160 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	847	N.D.	34.004 #
Total Aroclor-1248			2881	2589	117.700	127.962
Average Aroclor-1248					58.850	42.654
22) L6 Aroclor-1254	13.45	17.71	772	736	21.609	20.914
23) L6 Aroclor-1254 {2}	13.80	18.10	1688	1606	22.319	20.845
24) L6 Aroclor-1254 {3}	14.29	18.54	890	1222	24.425	25.534
25) L6 Aroclor-1254 (4)	14.65	19.05	1264	842	27.697	25.654
26) L6 Aroclor-1254 (5)	16.19	20.60	1324	1228	21.975	23.682
Total Aroclor-1254			5938	5634	118.025	116.629 BDC
Average Aroclor-1254					23.605	23.326
27) L7 Aroclor-1260	17.31	21.99	545	576	16.789	22.980 #
28) L7 Aroclor-1260 {2}	18.30	22.50	634	719	10.159	12.215
29) L7 Aroclor-1260 {3}	19.42	24.45	1130	828	25.292	33.469 #
Total Aroclor-1260			2310	2123	52.240	68.664
Average Aroclor-1260					17.413	22.888

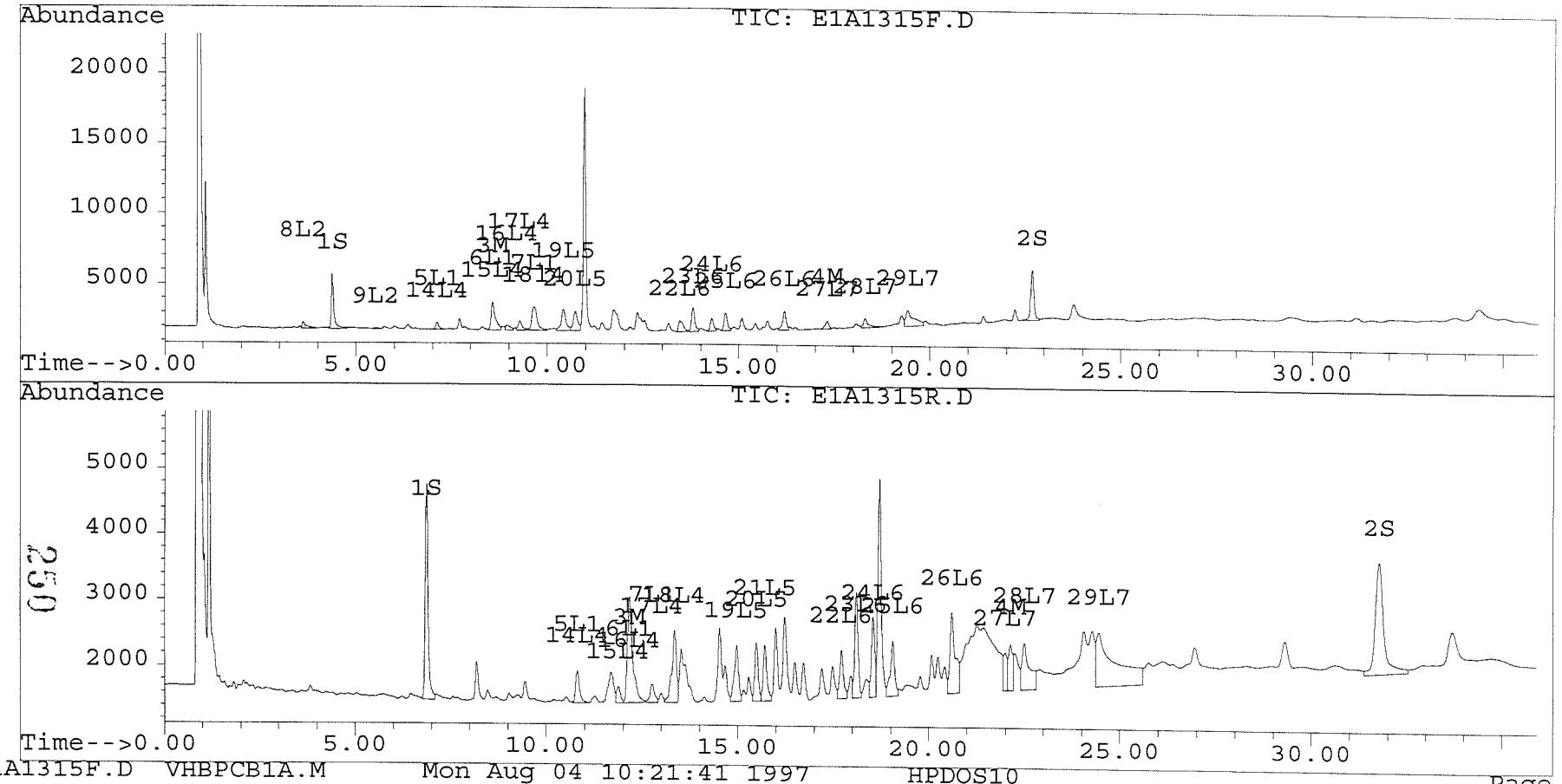
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1315F.D\E1A1315R.D
Acq On : 03 Aug 97 01:31 PM Operator: JS/GML
Sample : D1145-32,P10-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3982	3390	17.428	16.054
				Recovery	=	43.57%	~~40.14%~~
2) S	Decachlorobiphenyl	22.68	31.78	3522	1596	14.472	14.082
				Recovery	=	36.18%	35.21%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	1165	936	13.053	10.590
4) M	2,2',3,3',4,4'-Hexa	17.31	22.13	320	686	1.760	4.168 #
5) L1	Aroclor-1016	7.12	10.81	329	298	10.483	10.063
6) L1	Aroclor-1016 {2}	8.58	12.17	1165	936	25.683	25.298
7) L1	Aroclor-1016 {3}	9.67	12.75	968	262	40.103	15.099 #
Total	Aroclor-1016			2462	1495	76.268	50.460
Average	Aroclor-1016					25.423	16.820
8) L2	Aroclor-1221	3.64f	0.00	432	0	53.927	N.D. #
9) L2	Aroclor-1221 {2}	5.51	0.00	175	0	25.779	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			607	0	79.705	N.D.
Average	Aroclor-1221					39.853	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	7.12	10.81	329	298 BPL	9.012	8.565
15) L4	Aroclor-1242 {2}	8.58	11.87	1165	242	21.819	15.929 #
16) L4	Aroclor-1242 {3}	8.95	12.17	335	936	15.725	21.758 #
17) L4	Aroclor-1242 (4)	9.28	12.75	519	262	29.590	12.950 #
18) L4	Aroclor-1242 (5)	9.67	13.34	968	625	34.365	32.317
Total	Aroclor-1242			3317	2362	110.511	91.519
Average	Aroclor-1242					22.102	18.304
19) L5	Aroclor-1248	10.42	14.97	1011	647	37.639	42.947

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1316F.D VHBPCB1A.M Mon Aug 04 10:21:50 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

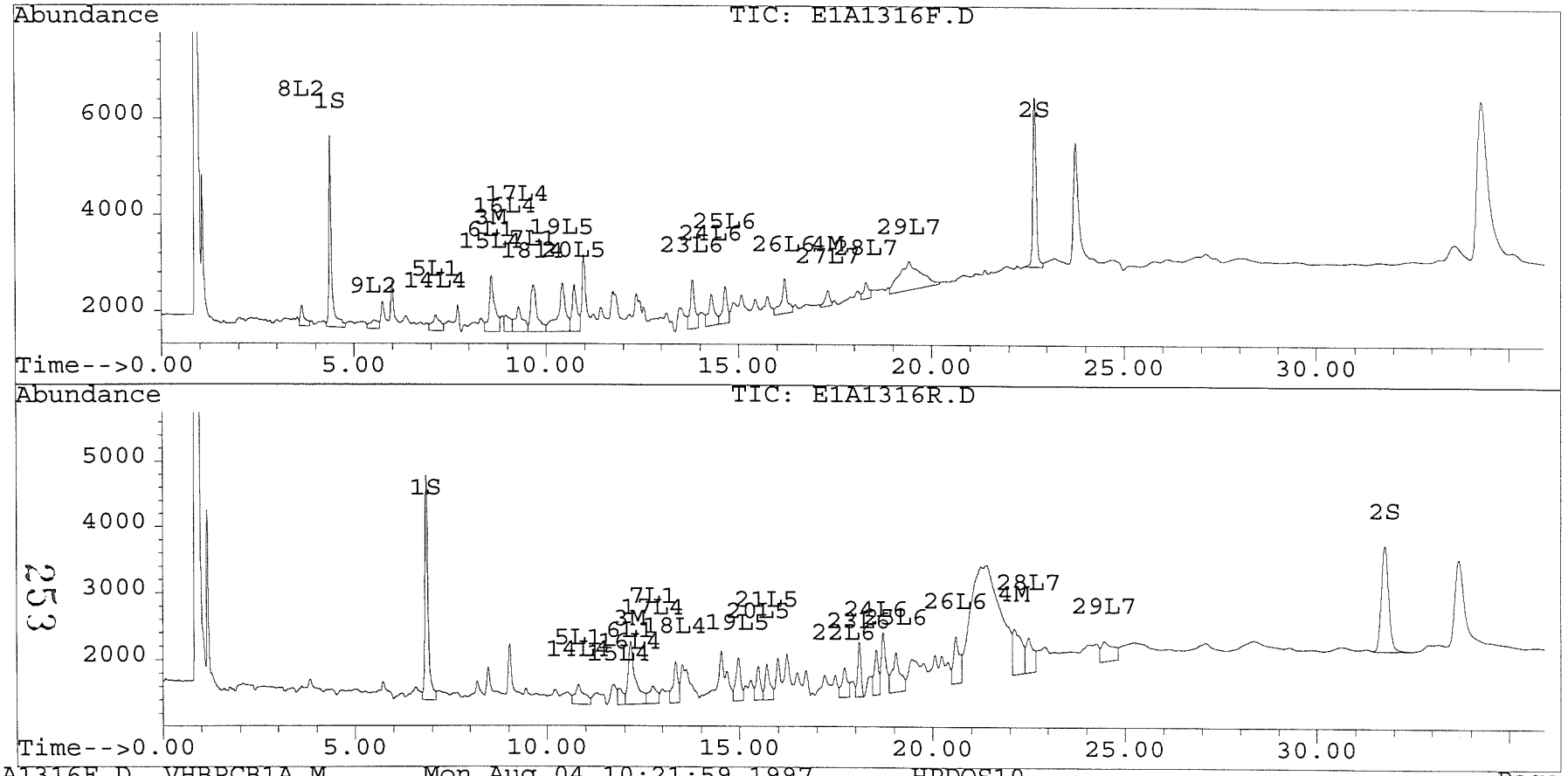
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.73	15.48	977	513	43.718	21.505 #
21) L5	Aroclor-1248 {3}	0.00	15.71	0	536	N.D.	21.512 #
Total	Aroclor-1248			1988	1696	81.357	85.963
Average	Aroclor-1248					40.679	28.654
22) L6	Aroclor-1254	0.00	17.71	0	444	N.D.	12.623 #
23) L6	Aroclor-1254 {2}	13.80	18.10	1022	815	13.505	10.580
24) L6	Aroclor-1254 {3}	14.29	18.54	653	670	17.922	14.000
25) L6	Aroclor-1254 (4)	14.65	19.05	763	589	16.717	17.946
26) L6	Aroclor-1254 (5)	16.20	20.61	718	701	11.919	13.515
Total	Aroclor-1254			3155	3219	60.063	68.664
Average	Aroclor-1254					15.016	13.733
27) L7	Aroclor-1260	17.31	0.00	320	0	9.863	N.D. #
28) L7	Aroclor-1260 {2}	18.30	22.50	344	523	5.510	8.876 #
29) L7	Aroclor-1260 {3}	19.42	24.46	594	300	13.296	12.146
Total	Aroclor-1260			1258	823	28.669	21.022
Average	Aroclor-1260					9.556	10.511

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1316F.D\E1A1316R.D
Acq On : 03 Aug 97 02:11 PM Operator: JS/GML
Sample : D1145-33,P11-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3498	3104	15.310	14.697
				Recovery	=	38.28%	36.74%
2) S	Decachlorobiphenyl	22.68	31.77	3329	1500	13.679	13.230
				Recovery	=	34.20%	33.08%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	378	283	4.236	3.203
4) M	2,2',3,3',4,4'-Hexa	17.28	22.13	247	466	1.358	2.830 #
5) L1	Aroclor-1016	7.13	10.81	122	94	3.883	3.177
6) L1	Aroclor-1016 (2)	8.58	12.17	378	283	8.334	7.652
7) L1	Aroclor-1016 (3)	9.66	12.76	351	81	14.525	4.672 #
Total	Aroclor-1016			851	458	26.742	15.501
Average	Aroclor-1016					8.914	5.167
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 (2)	5.51	0.00	71	0	10.379	N.D. #
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			71	0	10.379	N.D.
Average	Aroclor-1221					10.379	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	7.13	10.81	122	94	3.339	2.704
15) L4	Aroclor-1242 (2)	8.58	0.00	378	0	7.080	N.D. #
16) L4	Aroclor-1242 (3)	8.95	12.17	132	283	6.196	6.581
17) L4	Aroclor-1242 (4)	9.29	12.76	187	81	10.661	4.007 #
18) L4	Aroclor-1242 (5)	9.66	13.35	351	274	12.447	14.188
Total	Aroclor-1242			1170	732	39.722	27.481
Average	Aroclor-1242					7.944	6.870
19) L5	Aroclor-1248	10.44	14.97	422	237	15.702	15.759

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

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.72	15.48	439	221	19.666	9.256 #
21) L5 Aroclor-1248 {3}	0.00	15.71	0	193	N.D.	7.735 #
Total Aroclor-1248			861	651	35.368	32.750
Average Aroclor-1248					17.684	10.917
22) L6 Aroclor-1254	0.00	17.71	0	233	N.D.	6.622 #
23) L6 Aroclor-1254 {2}	13.80	18.10	434	390	5.741	5.063
24) L6 Aroclor-1254 {3}	14.29	18.54	243	331	6.679	6.917
25) L6 Aroclor-1254 (4)	14.65	19.05	336	259	7.366	7.905
26) L6 Aroclor-1254 (5)	16.20	20.61	288	349	4.780	6.720 #
Total Aroclor-1254			1302	1562	24.566	33.227
Average Aroclor-1254					6.141	6.645
27) L7 Aroclor-1260	17.28f	0.00	247	0	7.611	N.D. #
28) L7 Aroclor-1260 {2}	18.30	22.50	60	292	0.953	4.956 #
29) L7 Aroclor-1260 {3}	19.42	24.47	104	323	2.338	13.052 #
Total Aroclor-1260			411	615	10.903	18.008
Average Aroclor-1260					3.634	9.004

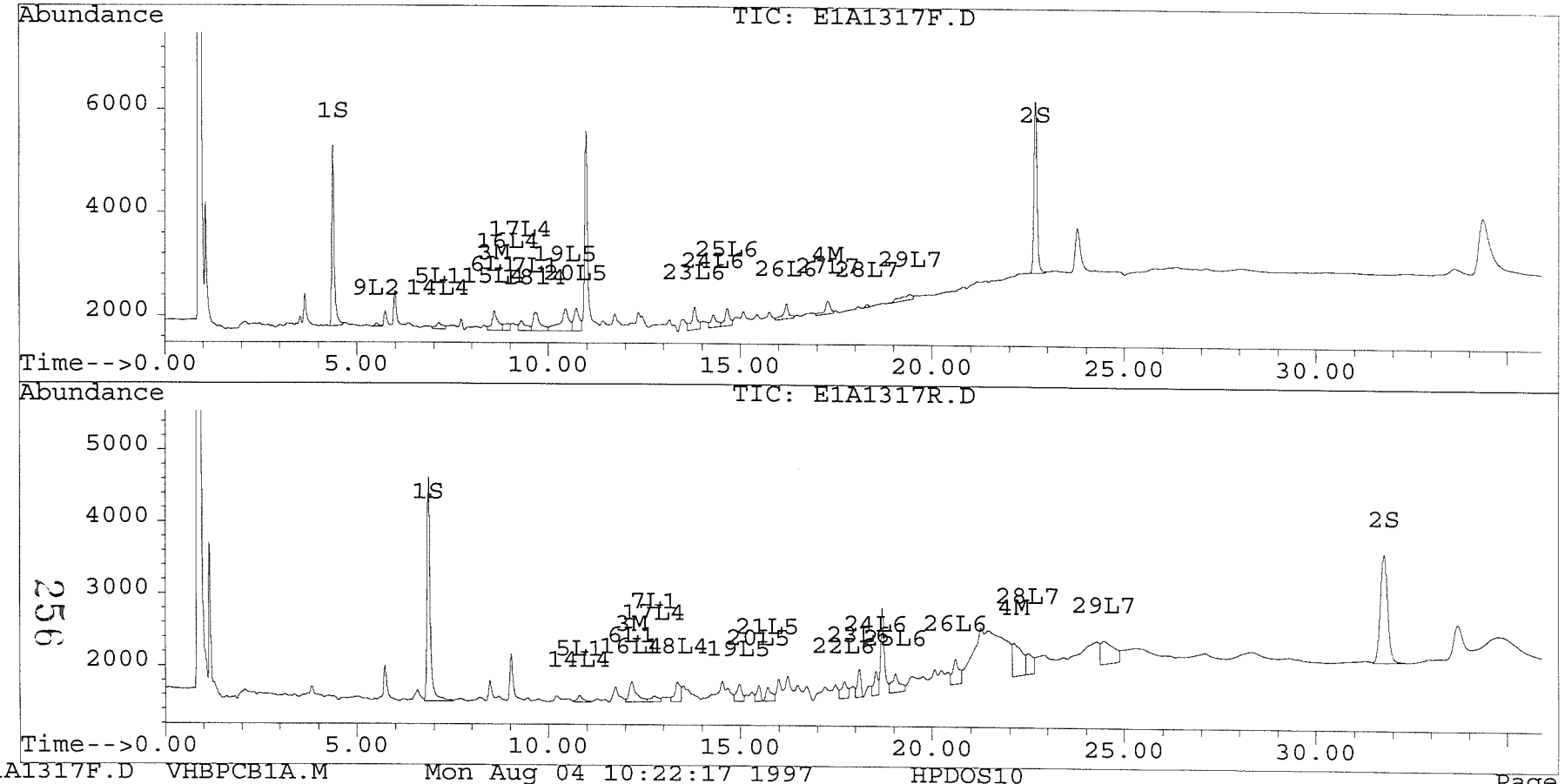
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1317F.D\E1A1317R.D
Acq On : 03 Aug 97 02:50 PM Operator: JS/GML
Sample : D1145-34,O4-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.38	6.87	4854	2678	21.248	12.680 #
				Recovery	=	53.12%	31.70%
2) S	Decachlorobiphenyl	22.68	31.78	3640	2030	14.959	17.906
				Recovery	=	37.40%	44.77%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.56	12.16	45607	32452	511.223	367.324 #
4) M	2,2',3,3',4,4'-Hexa	17.32	22.14	5079	4257	27.907	25.866
5) L1	Aroclor-1016	7.12	10.80	24195	20140	770.164	681.138
6) L1	Aroclor-1016 (2)	8.56	12.16	45607	32452	1005.838	877.448
7) L1	Aroclor-1016 (3)	9.65	12.75	22679	10980	939.218	633.033 #
Total	Aroclor-1016			92480	63572	2715.220	2191.620
Average	Aroclor-1016					905.073	730.540
8) L2	Aroclor-1221	0.00	6.10	0	135	N.D.	18.983 #
9) L2	Aroclor-1221 (2)	5.52	0.00	2294	0	337.658	N.D. #
10) L2	Aroclor-1221 (3)	0.00	9.43f	0	5836	N.D.	361.456 #
Total	Aroclor-1221			2294	5972	337.658	380.439
Average	Aroclor-1221					337.658	190.220
11) L3	Aroclor-1232	0.00	9.43f	0	5836	N.D.	399.929 #
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	5836	N.D.	399.929
Average	Aroclor-1232					0.000	399.929
14) L4	Aroclor-1242	7.12	10.80	24195	20140	662.116	579.724
15) L4	Aroclor-1242 (2)	8.56	11.88	45607	9500	854.521	624.941 #
16) L4	Aroclor-1242 (3)	8.95	12.16	13883	32452	650.733	754.696
17) L4	Aroclor-1242 (4)	9.27	12.75	16162	10980	921.662	542.943 #
18) L4	Aroclor-1242 (5)	9.65	13.34	22679	14796	804.832	765.081
Total	Aroclor-1242			122525	87868	3893.863	3267.385
Average	Aroclor-1242					778.773	653.477
19) L5	Aroclor-1248	10.42	14.97	21331	13693	793.973	908.947

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	10.72	15.48	21148	13671	946.442	573.180 #
21) L5	Aroclor-1248 {3}	0.00	15.70	0	13465	N.D.	540.793 #
Total	Aroclor-1248			42479	40830	1740.415	2022.920
Average	Aroclor-1248					870.207	674.307
22) L6	Aroclor-1254	13.44	17.71	9525	10248	266.532	291.405
23) L6	Aroclor-1254 {2}	13.79	18.10	19062	19959	251.977	258.984
24) L6	Aroclor-1254 {3}	14.29	18.53	8637	14707	237.031	307.413 #
25) L6	Aroclor-1254 (4)	14.64	19.05	13418	8492	294.031	258.858
26) L6	Aroclor-1254 (5)	16.19	20.60	13797	11780	229.077	227.107
Total	Aroclor-1254			64440	65187	1278.649	1343.768
Average	Aroclor-1254					255.730	268.754
27) L7	Aroclor-1260	17.32	22.00	5079	2056	156.394	82.080 #
28) L7	Aroclor-1260 {2}	18.30	22.50	3594	3741	57.548	63.529
29) L7	Aroclor-1260 {3}	19.42	24.45	2660	2039	59.524	82.422 #
Total	Aroclor-1260			11332	7836	273.466	228.032
Average	Aroclor-1260					91.155	76.011

AR1242 = $\frac{3267 \times 25}{30 \times 0.84} = 3200$

AR1254 = $\frac{1279 \times 25}{30 \times 0.84} = 1302$

KL

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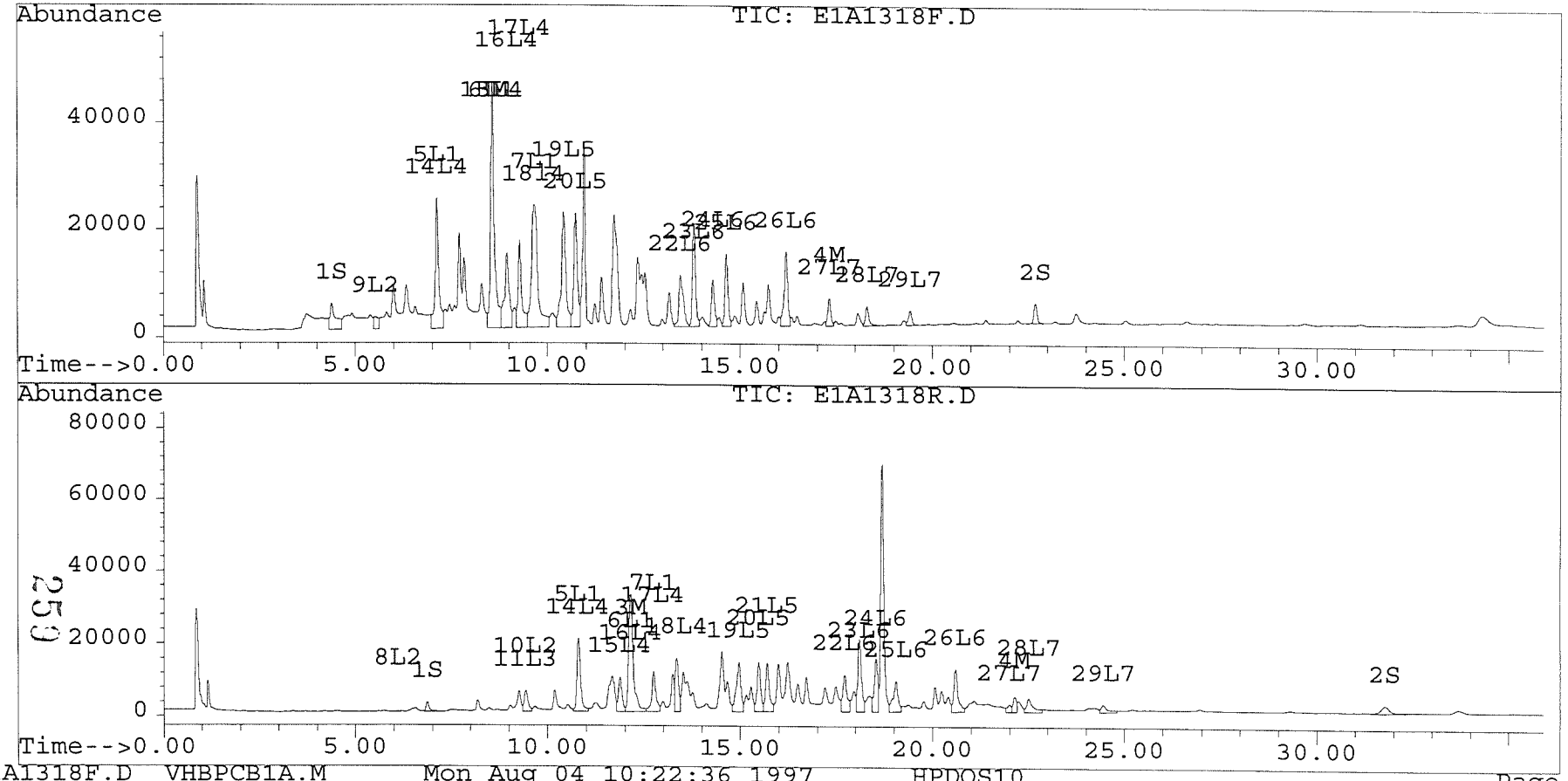
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1318F.D VHBPCB1A.M Mon Aug 04 10:22:28 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1318F.D\E1A1318R.D
Acq On : 03 Aug 97 03:30 PM Operator: JS/GML
Sample : D1145-35,O5-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3589	3137	15.709	14.854
				Recovery	=	39.27%	37.14%
2) S	Decachlorobiphenyl	22.68	31.77	3324	1640	13.661	14.463
				Recovery	=	34.15%	36.16%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.58	12.17	758	612	8.493	6.930
4) M	2,2',3,3',4,4'-Hexa	17.32	22.15	890	789	4.890	4.796
5) L1	Aroclor-1016	7.12	10.81	507	407	16.144	13.748
6) L1	Aroclor-1016 {2}	8.58	12.17	758	612	16.709	16.554
7) L1	Aroclor-1016 {3}	9.67	12.76	539	292	22.321	16.826
Total	Aroclor-1016			1804	1311	55.174	47.127
Average	Aroclor-1016					18.391	15.709
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.51	0.00	177	0	26.082	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			177	0	26.082	N.D.
Average	Aroclor-1221					26.082	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	7.12	10.81	507	407 BDL	13.879	11.701
15) L4	Aroclor-1242 {2}	8.58	11.88	758	286	14.195	18.784 #
16) L4	Aroclor-1242 {3}	8.96	12.17	350	612	16.390	14.238
17) L4	Aroclor-1242 (4)	9.29	12.76	384	292	21.889	14.431 #
18) L4	Aroclor-1242 (5)	9.67	13.35	539	405	19.127	20.927
Total	Aroclor-1242			2537	2001	85.481	80.081
Average	Aroclor-1242					17.096	16.016
19) L5	Aroclor-1248	10.43	14.97	611	348	22.751	23.098

260

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.72	15.48	610	313	27.291	13.106 #
21) L5 Aroclor-1248 (3)	0.00	15.71	0	304	N.D.	12.204 #
Total Aroclor-1248			1221	964	50.042	48.409
Average Aroclor-1248					25.021	16.136
22) L6 Aroclor-1254	0.00	17.71	0	336	N.D.	9.560 #
23) L6 Aroclor-1254 (2)	13.81	18.09	1027	833	13.570	10.810
24) L6 Aroclor-1254 (3)	14.29	18.54	1301	468	35.710	9.792 #
25) L6 Aroclor-1254 (4)	14.65	19.05	541	1670	11.845	50.914 #
26) L6 Aroclor-1254 (5)	16.20	20.60	1637	1826	27.172	35.209 #
Total Aroclor-1254			4505	5134	88.297	116.285
Average Aroclor-1254					22.074	23.257
27) L7 Aroclor-1260	17.32	22.00	890	1054	27.405	42.071 #
28) L7 Aroclor-1260 (2)	18.30	22.50	1804	2023	28.882	34.352
29) L7 Aroclor-1260 (3)	19.42	24.45	1448	1005	32.412	40.632 #
Total Aroclor-1260			4142	4082	88.698	117.054
Average Aroclor-1260					29.566	39.018

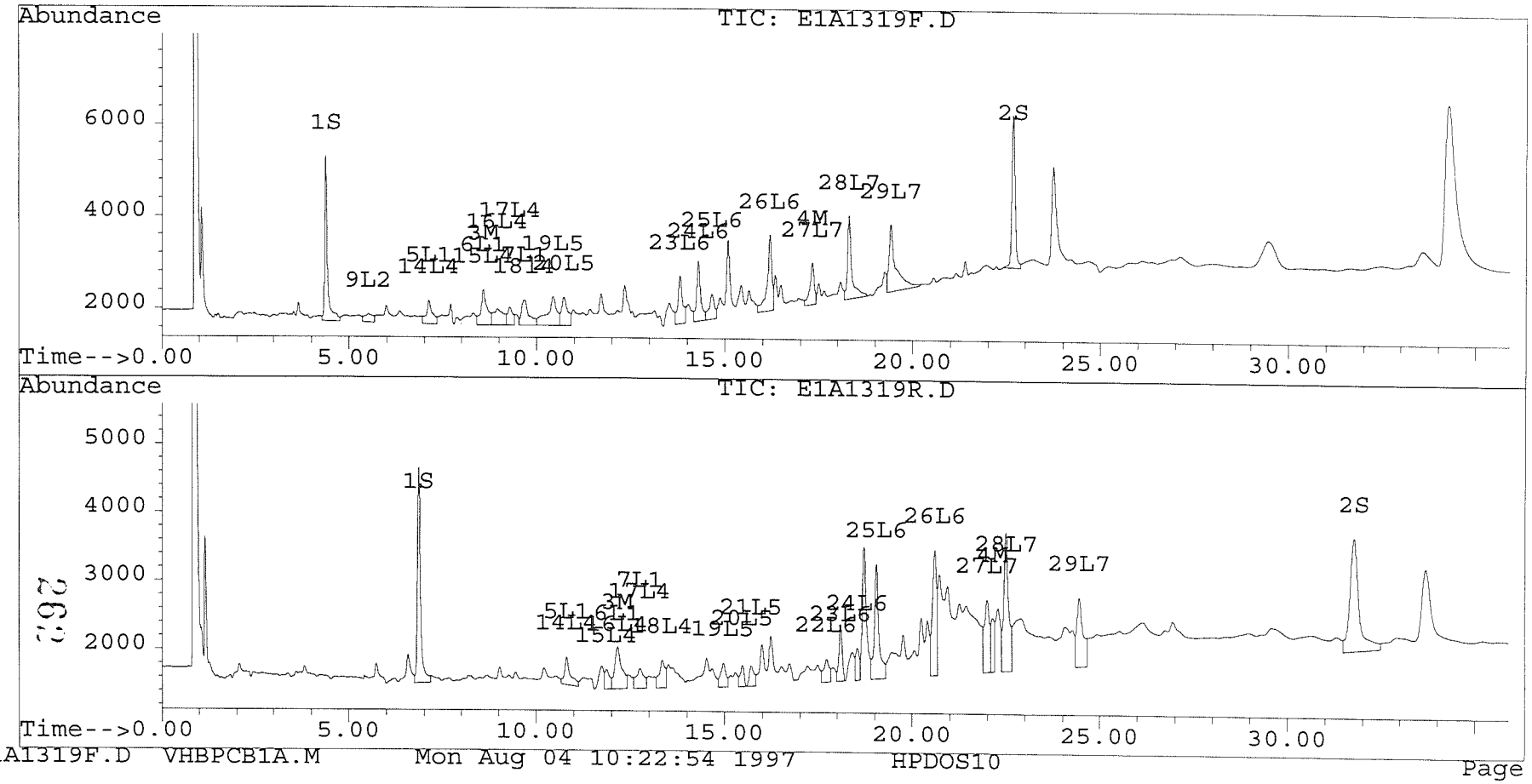
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1319F.D\E1A1319R.D
Acq On : 03 Aug 97 04:09 PM Operator: JS/GML
Sample : D1145-36,O6-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3274	2452	14.329	11.612
				Recovery	=	35.82%	29.03%
2) S	Decachlorobiphenyl	22.68	31.77	2617	1359	10.756	11.984
				Recovery	=	26.89%	29.96%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.57	12.17	1053	344	11.801	3.897 #
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	7.13	10.81	921	260	29.322	8.786 #
6) L1	Aroclor-1016 {2}	8.57	12.17	1053	344	23.219	9.308 #
7) L1	Aroclor-1016 {3}	9.67	12.76	909	152	37.632	8.768 #
Total	Aroclor-1016			2883	756	90.172	26.862
Average	Aroclor-1016					30.057	8.954
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.52	0.00	784	0	115.418	N.D. #
10) L2	Aroclor-1221 {3}	0.00	9.43f	0	227	N.D.	14.086 #
Total	Aroclor-1221			784	227	115.418	14.086
Average	Aroclor-1221					115.418	14.086
11) L3	Aroclor-1232	0.00	9.43	0	227	N.D.	15.585 #
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	12.31	0	188	N.D.	12.240 #
Total	Aroclor-1232			0	415	N.D.	27.825
Average	Aroclor-1232					0.000	13.912
14) L4	Aroclor-1242	7.13	10.81	921	260	25.208 BDL	7.477 #
15) L4	Aroclor-1242 {2}	8.57	11.87	1053	197	19.726	12.976 #
16) L4	Aroclor-1242 {3}	8.95	12.17	794	344	37.214	8.006 #
17) L4	Aroclor-1242 (4)	9.28	12.76	797	152	45.439	7.520 #
18) L4	Aroclor-1242 (5)	9.67	0.00	909	0	32.247	N.D. #
Total	Aroclor-1242			4473	953	159.834	35.979
Average	Aroclor-1242					31.967	8.995
19) L5	Aroclor-1248	10.44	14.96	1260	389	46.884	25.790 #

263

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20)	L5 Aroclor-1248 {2}	0.00	15.46	0	404	N.D.	16.930 #
21)	L5 Aroclor-1248 {3}	0.00	15.72	0	431	N.D.	17.320 #
Total	Aroclor-1248			1260	1224	46.884	60.041
Average	Aroclor-1248					46.884	20.014
22)	L6 Aroclor-1254	0.00	17.71	0	684	N.D.	19.450 #
23)	L6 Aroclor-1254 {2}	13.80	18.09	358	896	4.731	11.628 #
24)	L6 Aroclor-1254 {3}	14.29	0.00	231	0	6.336	N.D. #
25)	L6 Aroclor-1254 (4)	14.63	19.04	200	455	4.381	13.858 #
26)	L6 Aroclor-1254 (5)	16.20	20.61	329	603	5.460	11.628 #
Total	Aroclor-1254			1118	2638	20.908	56.564
Average	Aroclor-1254					5.227	14.141
27)	L7 Aroclor-1260	0.00	22.00	0	390	N.D.	15.567 #
28)	L7 Aroclor-1260 {2}	18.29	0.00	302	0	4.835	N.D. #
29)	L7 Aroclor-1260 {3}	19.42	24.43	198	546	4.436	22.073 #
Total	Aroclor-1260			500	936	9.270	37.641
Average	Aroclor-1260					4.635	18.820

BD

264

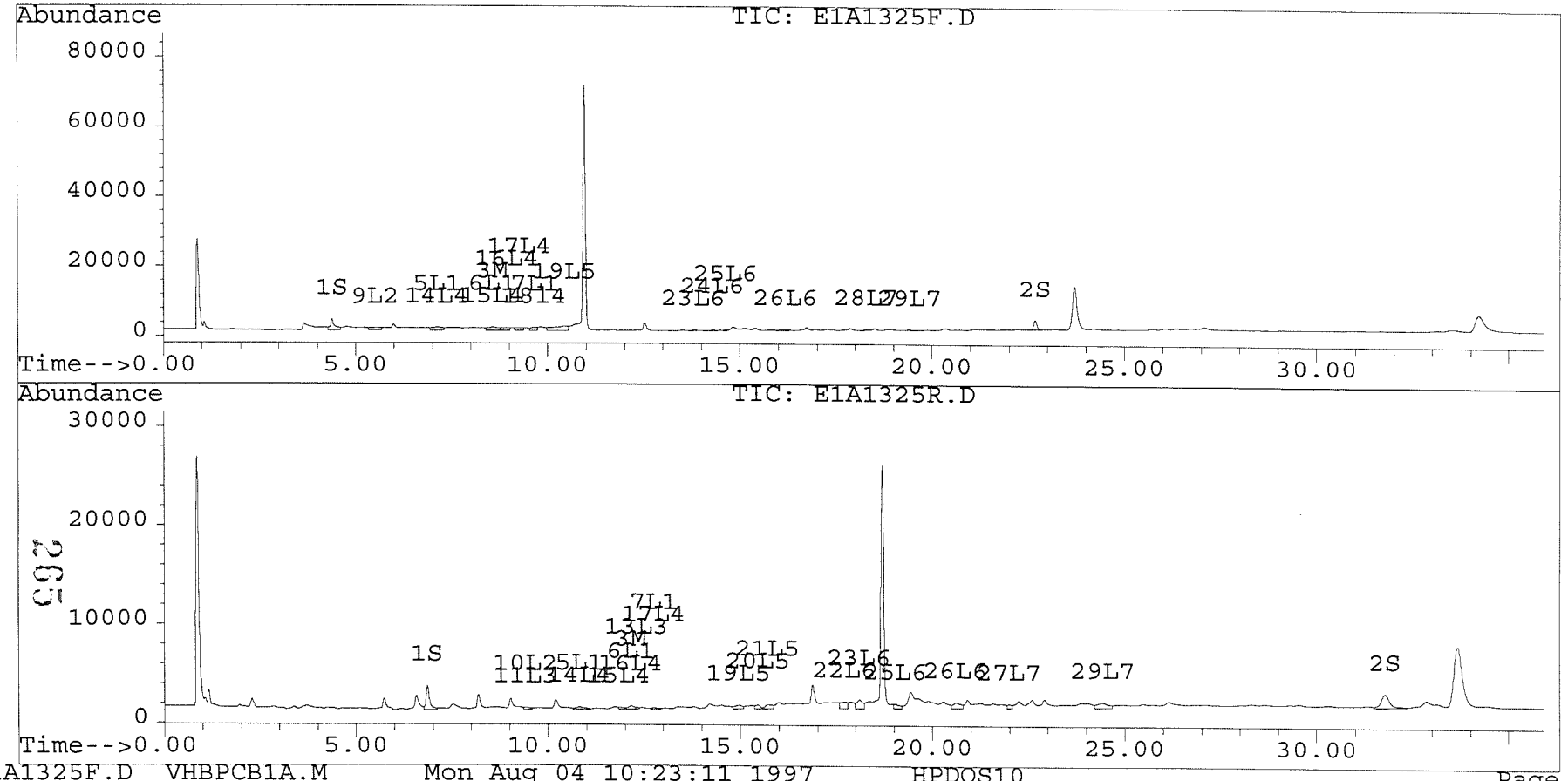
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1325F.D\E1A1325R.D
Acq On : 03 Aug 97 08:06 PM Operator: JS/GML
Sample : D1145-37,O7-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	4736	3030	20.728	14.347 #
					Recovery	=	51.82%	35.87%
2)	S	Decachlorobiphenyl	22.68	31.77	3207	1626	13.180	14.341
					Recovery	=	32.95%	35.85%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.56	12.19	2857	393	32.024	4.454 #
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5)	L1	Aroclor-1016	0.00	10.81	0	318	N.D.	10.763 #
6)	L1	Aroclor-1016 {2}	8.56	12.19	2857	393	63.009	10.639 #
7)	L1	Aroclor-1016 {3}	0.00	12.77	0	299	N.D.	17.258 #
	Total	Aroclor-1016			2857	1011	63.009	38.660
	Average	Aroclor-1016					63.009	12.887
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	0.00	8.62	0	630	N.D.	97.313 #
10)	L2	Aroclor-1221 {3}	0.00	9.39	0	515	N.D.	31.879 #
	Total	Aroclor-1221			0	1144	N.D.	129.192
	Average	Aroclor-1221					0.000	64.596
11)	L3	Aroclor-1232	0.00	9.39	0	515	N.D.	35.272 #
12)	L3	Aroclor-1232 {2}	7.19	10.96	2994	320	211.687	22.664 #
13)	L3	Aroclor-1232 {3}	0.00	12.33	0	369	N.D.	24.029 #
	Total	Aroclor-1232			2994	1203	211.687	81.965
	Average	Aroclor-1232					211.687	27.322
14)	L4	Aroclor-1242	0.00	10.81	0	318	N.D.	9.161 #
15)	L4	Aroclor-1242 {2}	8.56	11.92f	2857	363	53.530	23.868 #
16)	L4	Aroclor-1242 {3}	8.93	12.19	2593	393	121.537	9.151 #
17)	L4	Aroclor-1242 (4)	0.00	12.77	0	299	N.D.	14.802 #
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1242			5450	1374	175.066	56.981
	Average	Aroclor-1242					87.533	14.245
19)	L5	Aroclor-1248	0.00	14.95	0	856	N.D.	56.851 #

266

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	15.45	0	978	N.D.	41.002 #
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	1834	N.D.	97.852
Average Aroclor-1248					0.000	48.926
22) L6 Aroclor-1254	0.00	17.71	0	2095	N.D.	59.571 #
23) L6 Aroclor-1254 (2)	13.79	18.08	269	2462	3.556	31.950 #
24) L6 Aroclor-1254 (3)	14.28	0.00	165	0	4.524	N.D. #
25) L6 Aroclor-1254 (4)	14.62f	19.04	234	1196	5.127	36.447 #
26) L6 Aroclor-1254 (5)	16.20	20.62	365	1034	6.068	19.928 #
Total Aroclor-1254			1033	6787	19.275	147.896
Average Aroclor-1254					4.819	36.974
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7 Aroclor-1260 (2)	18.30	22.53	226	757	3.620	12.861 #
29) L7 Aroclor-1260 (3)	19.41	0.00	241	0	5.385	N.D. #
Total Aroclor-1260			467	757	9.005	12.861
Average Aroclor-1260					4.502	12.861

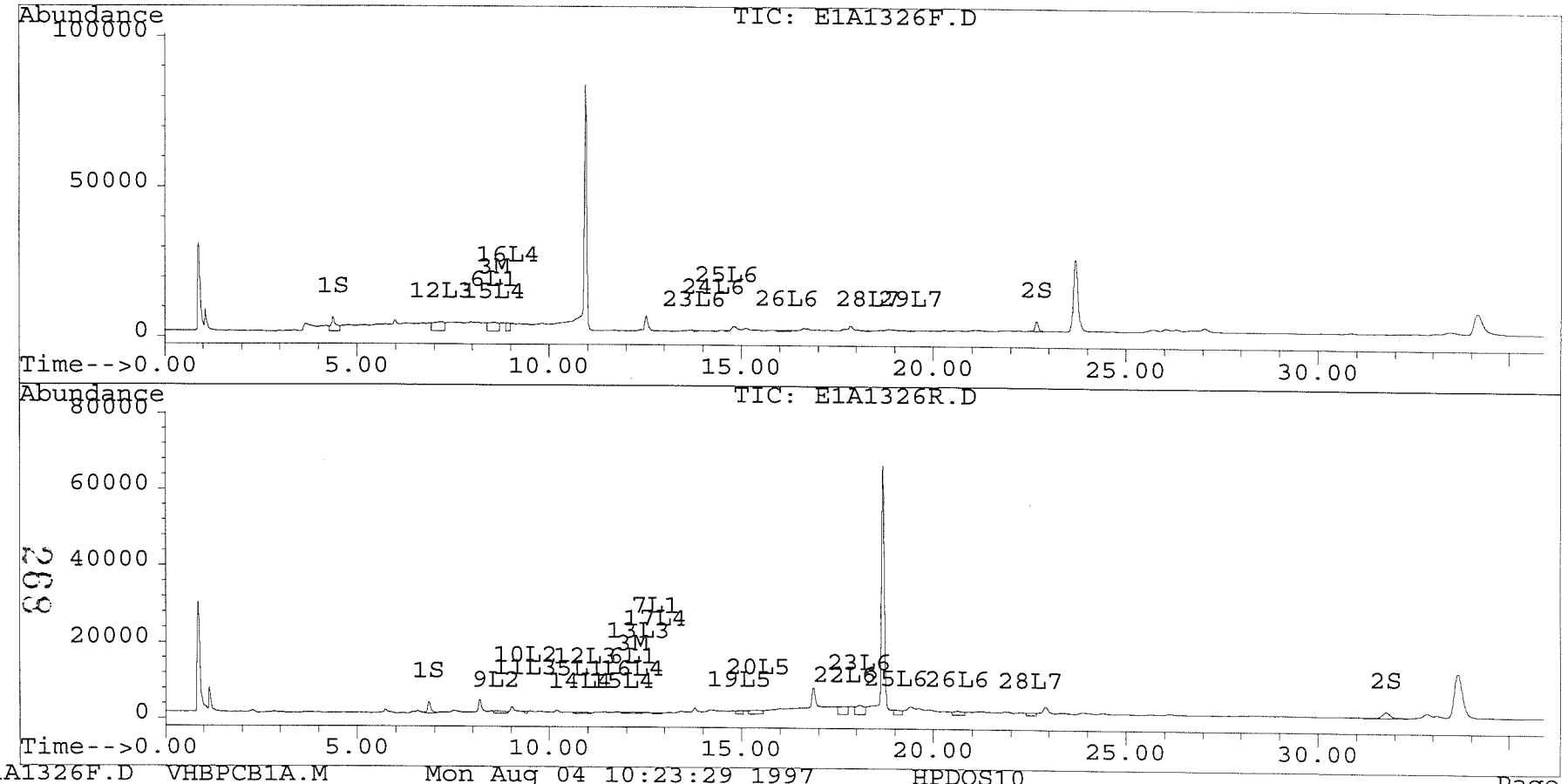
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1326F.D VHBPCB1A.M Mon Aug 04 10:23:22 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1326F.D\E1A1326R.D
Acq On : 03 Aug 97 08:46 PM Operator: JS/GML
Sample : D1145-38,O8-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D\E1A1327R.D
Acq On : 03 Aug 97 09:25 PM Operator: JS/GML
Sample : D1145-39,O9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4.37	6.86	3042	2761	13.317	13.077
					Recovery	=	33.29%	32.69%
2)	S	Decachlorobiphenyl	22.68	31.77	3044	1500	12.508	13.233
					Recovery	=	31.27%	33.08%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.58	12.17	188	158	2.105	1.786
4)	M	2,2',3,3',4,4'-Hexa	17.27	22.12	225	548	1.236	3.327 #
5)	L1	Aroclor-1016	7.13	10.81	56	45	1.776	1.538
6)	L1	Aroclor-1016 (2)	8.58	12.17	188	158	4.143	4.266
7)	L1	Aroclor-1016 (3)	9.67	12.75	152	44	6.314	2.538 #
		Total Aroclor-1016			396	247	12.233	8.341
		Average Aroclor-1016					4.078	2.780
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.51	0.00	39	0	5.752	N.D. #
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			39	0	5.752	N.D.
		Average Aroclor-1221					5.752	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	7.13	10.81	56	45	1.527	1.309
15)	L4	Aroclor-1242 (2)	8.58	0.00	188	0	3.519	N.D. #
16)	L4	Aroclor-1242 (3)	8.95	12.17	57	158	2.688	3.669 #
17)	L4	Aroclor-1242 (4)	9.29	12.75	74	44	4.236	2.176 #
18)	L4	Aroclor-1242 (5)	9.67	0.00	152	0	5.411	N.D. #
		Total Aroclor-1242			528	247	17.381	7.154
		Average Aroclor-1242					3.476	2.385
19)	L5	Aroclor-1248	10.45	14.96	290	102	10.790	6.752 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A1327F.D VHBPCB1A.M Mon Aug 04 10:23:38 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\AUG97\970802\E1A1327F.D\E1A1327R.D
Acq On : 03 Aug 97 09:25 PM Operator: JS/GML
Sample : D1145-39,O9-C1,P0730-B2 Inst : E1
Misc : 3,,,2,,25000,,30,,,30-JUL-97,22-JUL-97 Multiplr: 1.00
Quant Time: Aug 4 10:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1A.M
Title : VHB PCB 5 LEVEL RUN 7/29/97
Last Update : Mon Aug 04 10:11:35 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	10.70	15.49	405	91	18.135	3.804 #
21) L5	Aroclor-1248 (3)	0.00	15.71	0	91	N.D.	3.659 #
Total	Aroclor-1248			695	284	28.925	14.215
Average	Aroclor-1248					14.463	4.738
22) L6	Aroclor-1254	0.00	17.71	0	253	N.D.	7.197 #
23) L6	Aroclor-1254 (2)	13.80	18.10	238	224	3.150	2.910
24) L6	Aroclor-1254 (3)	14.29	18.54	147	180	4.035	3.769
25) L6	Aroclor-1254 (4)	14.65	19.05	159	171	3.484	5.209 #
26) L6	Aroclor-1254 (5)	16.20	20.61	146	439	2.425	8.454 #
Total	Aroclor-1254			690	1267	13.094	27.539
Average	Aroclor-1254					3.273	5.508
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
28) L7	Aroclor-1260 (2)	18.31	0.00	56	0	0.900	N.D. #
29) L7	Aroclor-1260 (3)	19.41	24.45	164	46	3.665	1.853 #
Total	Aroclor-1260			220	46	4.564	1.853
Average	Aroclor-1260					2.282	1.853