

Boliden Metech Allens Avenue Facility

Laboratory Analytical Results, Sampling Round 6

434 Allens Avenue
Providence,
Rhode Island

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

Prepared by **VHB/Vanasse Hangen Brustlin, Inc.**
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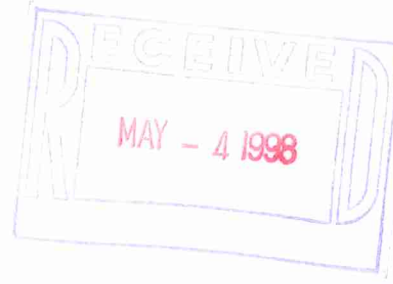
March 1998

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0912-B2

Concentration in ug/kg, dry weight basis



<u>Lab ID</u>	<u>Client ID</u>	% Recovery				
		<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>TCMX</u>	<u>DCB</u>
D1414-01	F1-C1	< 180	< 180	< 180	95	85
D1414-02	F2-C1	2,200	< 190	650	102	98
D1414-03	F3-C1	< 190	< 190	< 190	87	74
D1414-04	G1-C1	< 200	< 200	< 200	95	82
D1414-05	G2-C1	< 200	< 200	< 200	87	75
D1414-06	G3-C1	< 190	< 190	< 190	87	72
D1414-07	G4-C1	< 190	< 190	< 190	90	83
D1414-08	G5-C1	< 180	< 180	< 180	90	81
D1414-09	G8-C1	< 190	< 190	< 190	89	80
D1414-10	G9-C1	430	< 190	640	89	82
D1414-11	G10-C1	< 190	< 190	< 190	69	70
D1414-12	H4-C1	< 200	< 200	< 200	90	84
D1414-13	H5-C1	< 200	< 200	< 200	80	68
D1414-14	H6-C1	< 190	< 190	280	84	81
D1414-15	H8-C1	< 190	< 190	230	96	88
D1414-16	I1-C1	< 190	< 190	< 190	86	81
D1414-17	I2-C1	< 190	< 190	< 190	95	91
D1414-18	I5-C1	< 190	< 190	< 190	98	93
D1414-19	I6-C1	< 190	< 190	< 190	95	92
D1414-20	I7-C1	< 190	< 190	< 190	82	78

QA/QC

Method Blank

P0912-B2	< 160	< 160	< 160	95	96
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% Recovery

Lab Control Sample

	<u>TCP</u>	<u>HCP</u>		
P0912-LCS2	88	95	76	82

MS/MSD

D1414-01MS	98	98	85	97
D1414-01MSD	130	130	119	109

%RPD	28	28	33	12
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TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

TCP = Trichlorobiphenyl

HCP = Hexachlorobiphenyl

002

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0916-B2

Concentration in ug/kg, dry weight basis

<u>Lab ID</u>	<u>Client ID</u>	<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>% Recovery</u>	
					<u>TCMX</u>	<u>DCB</u>
D1414-21	I8-C1	<190	<190	<190	82	82
D1414-22	I9-C1	< 190	< 190	< 190	84	85
D1414-23	I10-C1	< 190	< 190	< 190	88	87
D1414-24	I12-C1	< 170	< 170	< 170	86	83
D1414-25	J1-C1	490	< 190	< 190	88	86
D1414-26	J2-C1	< 190	< 190	< 190	77	76
D1414-27	J3-C1	< 190	< 190	< 190	84	84
D1414-28	J4-C1	7,000	< 190	1,300	86	88
D1414-29	J5-C1	< 180	< 180	< 180	89	87
D1414-30	J6-C1	< 200	< 200	310	83	84
D1414-31	J8-C1	1,300	< 190	1,100	87	85
D1414-32	J10-C1	< 190	< 190	< 190	80	81
D1414-33	K1-C1	< 200	< 200	< 200	79	80
D1414-34	K2-C1	31,000 D	< 190	7,900	84	91
D1414-35	K3-C1	< 200	< 200	< 200	84	87
D1414-36	K4-C1	420	< 200	< 200	88	83
D1414-37	L1-C1	< 200	< 200	< 200	81	80
D1414-38	L2-C1	< 180	^{KCS} < 180	^{KCS} X 180	83	84
D1414-39	L3-C1	< 200	< 200	< 200	84	85
D1414-40	L4-C1	380	< 200	< 200	90	97

QA/QC

Method Blank

P0916-B2

< 160 < 160 < 160

% Recovery

Lab Control Sample

P0916-LCS2

TCP

101

HCP

100

86

81

88

83

MS/MSD

D1414-21MS

100

98

82

81

D1414-21MSD

104

101

88

86

%RPD

4

3

7

6

TCMX = Tetracholoro-m-xylene

DCB = Decachlorobiphenyl

TCP = Trichlorobiphenyl

HCP = Hexachlorobiphenyl

003

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0917-B1

Concentration in ug/kg, dry weight basis

<u>Lab ID</u>	<u>Client ID</u>	% Recovery				
		<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>TCMX</u>	<u>DCB</u>
D1414-41	L7-C1	< 190	< 190	< 190	88	83
D1414-42	M1-C1	< 190	< 190	< 190	85	83
D1414-43	M4-C1	< 190	< 190	< 190	85	82
D1414-44	M5-C1	< 190	< 190	< 190	85	83
D1414-45	M6-C1	< 190	< 190	< 190	87	90
D1414-46	M7-C1	< 200	< 200	< 200	89	88
D1414-47	M8-C1	< 190	< 190	< 190	77	76
D1414-48	N1-C1	310	< 200	< 200	84	84
D1414-49	Q1-C2	< 190	< 190	< 190	71	69
D1414-50	R1-C2	< 200	< 200	300	88	84
D1414-51	V1-C2 ³ W5	< 180	< 180	< 180	62	62
D1414-52	I9-C1(D)	< 190	< 190	< 190	50	50
D1414-53	L2-C1(D)	< 180	< 180	< 180	76	75
D1414-54	H4-C1(D)	< 200	< 200	< 200	87	85
D1414-55	PS-97(9706)	< 170	< 170	*	82	122
D1414-56	PS-9103	24,000 D	< 170	< 170	92	90
D1414-57	PS-95(9505)	< 170	< 170	14,000 D	90	88

* AR1260 at 20,000 D

QA/QC

Method Blank

P0917-B1	< 160	< 160	< 160	88	88
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% Recovery

Lab Control Sample

P0917-LCS1		<u>TCP</u>	<u>HCP</u>		
		96	100	82	84

MS/MSD

D1414 - 41MS		103	97	87	86
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D1414 - 41MSD		109	101	92	88
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%RPD	6	8
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TCMX = Tetracholoro-m-xylene

DCB = Decachlorobiphenyl

TCP = Trichlorobiphenyl

HCP = Hexachlorobiphenyl

004

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0918-B1

Concentration in ug/L

<u>Lab ID</u>	<u>Client ID</u>	<u>AR1242</u>	<u>AR1248</u>	<u>AR1254</u>	<u>% Recovery</u>	
					<u>TCMX</u>	<u>DCB</u>
D1414-58	GERB-4	< 1	< 1	< 1	94	70
D1414-59	GERB-5	< 1	< 1	< 1	95	54
D1414-60	GERB-6	< 1	< 1	< 1	90	58
D1414-61	BERB-4	< 1	< 1	< 1	90	49
D1414-62	BERB-5	< 1	< 1	< 1	92	46
D1414-63	BERB-6	< 1	< 1	< 1	96	54
D1414-64	WB-2	< 1	< 1	< 1	102	82
 <u>QA/QC</u>						
Method Blank		< 1	< 1	< 1	99	82
P0918-B1						
 <u>Lab Control Sample</u>						
P0918-LCS1			<u>TCP</u>	<u>HCP</u>	93	80
			120	121		

TCMX = Tetrachloro-m-xylene

DCB = Decachlorobiphenyl

TCP = Trichlorobiphenyl

HCP = Hexachlorobiphenyl

005



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: F1-C1
Lab ID: D1414-01
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 85%

ND=Not Detected

006



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: F2-C1
Lab ID: D1414-02
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	390
Aroclor-1232	ND	190
Aroclor-1242	2,200	190
Aroclor-1248	ND	190
Aroclor-1254	650	190
Aroclor-1260	ND	190

QC Batch: P0912-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	102%
Decachlorobiphenyl	98%

ND=Not Detected

007



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: F3-C1
Lab ID: D1414-03
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 74%

ND=Not Detected

003



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G1-C1
Lab ID: D1414-04
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 82%

ND=Not Detected

009



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G2-C1
Lab ID: D1414-05
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 75%

ND=Not Detected

010



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G3-C1
Lab ID: D1414-06
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	87%
Decachlorobiphenyl	82%

ND=Not Detected

011



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G4-C1
Lab ID: D1414-07
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 83%

ND=Not Detected

012



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G5-C1
Lab ID: D1414-08
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

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

QC Batch: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 81%

ND=Not Detected

013



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G8-C1
Lab ID: D1414-09
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 89%
Decachlorobiphenyl 80%

ND=Not Detected

014



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G9-C1
Lab ID: D1414-10
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	430	190
Aroclor-1248	ND	190
Aroclor-1254	640	190
Aroclor-1260	ND	190

QC Batch: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 89%
Decachlorobiphenyl 82%

ND=Not Detected

015



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: G10-C1
Lab ID: D1414-11
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 69%
Decachlorobiphenyl 70%

ND=Not Detected

016



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: H4-C1
Lab ID: D1414-12
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	410
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 84%

ND=Not Detected

017



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: H5-C1
Lab ID: D1414-13
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 81% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	410
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0912-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	68%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: H6-C1
Lab ID: D1414-14
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	280	190
Aroclor-1260	ND	190

QC Batch: P0912-B2

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

ND=Not Detected

013



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: H8-C1
Lab ID: D1414-15
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	ND	190
Aroclor-1248	ND	190
Aroclor-1254	230	190
Aroclor-1260	ND	190

QC Batch: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 96%
Decachlorobiphenyl 88%

ND=Not Detected

020



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I1-C1
Lab ID: D1414-16
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 86%
Decachlorobiphenyl 81%

ND=Not Detected

021



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I2-C1
Lab ID: D1414-17
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 91%

ND=Not Detected

022



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I5-C1
Lab ID: D1414-18
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 98%
Decachlorobiphenyl 93%

ND=Not Detected

023



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I6-C1
Lab ID: D1414-19
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 92%

ND=Not Detected

024



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I7-C1
Lab ID: D1414-20
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 82%
Decachlorobiphenyl 78%

ND=Not Detected

025



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0912-B2
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Solid
Concentration in: ug/kg
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	165
Aroclor-1221	ND	330
Aroclor-1232	ND	165
Aroclor-1242	ND	165
Aroclor-1248	ND	165
Aroclor-1254	ND	165
Aroclor-1260	ND	165

QC Batch: P0912-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 96%

ND=Not Detected

026



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.

Lab ID for Blank Spike: P0912-LCS2

Analysis: Method 8080

Matrix: Solid

Analysis Date for Blank Spike: 9/19/97

<u>Analyte</u>	<u>% Recovery</u>
2,4,4'-Trichlorobiphenyl	88
2,2',3,3',4,4'-Hexachlorobiphenyl	95

QC Batch: P0912-B2

027



Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.

Matrix: Soil

Client ID: F1-C1

Lab ID for Matrix Spike: D1414-01MS

Analysis Date for Matrix Spike: 9/17/97

Lab ID for Matrix Spike Duplicate: D1414-01MSD

Analysis Date for Matrix Spike Duplicate: 9/17/97

Analysis: Method 8080

% Recovery

<u>Analyte</u>	<u>Matrix Spike</u>	<u>Matrix Spike Dup.</u>	<u>% RPD</u>
2,4,4'-Trichlorobiphenyl	98	130	28
2,2',3,3',4,4'-Hexachlorobiphenyl	98	130	28

QC Batch: P0912-B2

028



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I8-C1
Lab ID: D1414-21
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

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

ND=Not Detected

029



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I9-C1
Lab ID: D1414-22
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 84%
Decachlorobiphenyl 85%

ND=Not Detected

030



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I10-C1
Lab ID: D1414-23
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

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

ND=Not Detected

031



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I12-C1
Lab ID: D1414-24
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 96% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

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

ND=Not Detected

032



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J1-C1
Lab ID: D1414-25
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	490	190
Aroclor-1248	ND	190
Aroclor-1254	ND	190
Aroclor-1260	ND	190

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 88%
Decachlorobiphenyl 86%

ND=Not Detected

033



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J2-C1
Lab ID: D1414-26
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 77%
Decachlorobiphenyl 76%

ND=Not Detected

034



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J3-C1
Lab ID: D1414-27
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

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

ND=Not Detected

035



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J4-C1
Lab ID: D1414-28
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	370
Aroclor-1232	ND	190
Aroclor-1242	7,000	190
Aroclor-1248	ND	190
Aroclor-1254	1,300	190
Aroclor-1260	ND	190

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 86%
Decachlorobiphenyl 88%

ND=Not Detected

036



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J5-C1
Lab ID: D1414-29
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

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

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 89%
Decachlorobiphenyl 87%

ND=Not Detected

037



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J6-C1
Lab ID: D1414-30
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	310	200
Aroclor-1260	ND	200

QC Batch: P0916-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	84%

ND=Not Detected

038



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J8-C1
Lab ID: D1414-31
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	1,300	190
Aroclor-1248	ND	190
Aroclor-1254	1,100	190
Aroclor-1260	ND	190

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 85%

ND=Not Detected

039



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: J10-C1
Lab ID: D1414-32
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 80%
Decachlorobiphenyl 81%

ND=Not Detected

040



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K1-C1
Lab ID: D1414-33
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 79%
Decachlorobiphenyl 80%

ND=Not Detected

041



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K2-C1
Lab ID: D1414-34
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	190
Aroclor-1221	ND	380
Aroclor-1232	ND	190
Aroclor-1242	31,000 D	190
Aroclor-1248	ND	190
Aroclor-1254	7,900	190
Aroclor-1260	ND	190

QC Batch: P0916-B2

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

ND=Not Detected

042



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K3-C1
Lab ID: D1414-35
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	87%

ND=Not Detected

043



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: K4-C1
Lab ID: D1414-36
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	390
Aroclor-1232	ND	200
Aroclor-1242	420	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 88%
Decachlorobiphenyl 83%

ND=Not Detected

044



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L1-C1
Lab ID: D1414-37
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 83% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 81%
Decachlorobiphenyl 80%

ND=Not Detected

045



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L2-C1
Lab ID: D1414-38
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	180	180
Aroclor-1260	ND	180

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 83%
Decachlorobiphenyl 84%

ND=Not Detected

046



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L3-C1
Lab ID: D1414-39
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 84%
Decachlorobiphenyl 85%

ND=Not Detected

047



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L4-C1
Lab ID: D1414-40
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	400
Aroclor-1232	ND	200
Aroclor-1242	380	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0916-B2

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

ND=Not Detected

048



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0916-B2
Analysis: Method 8080

Analysis Date: 9/17/97
Matrix: Solid
Concentration in: ug/kg
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	160
Aroclor-1221	ND	330
Aroclor-1232	ND	160
Aroclor-1242	ND	160
Aroclor-1248	ND	160
Aroclor-1254	ND	160
Aroclor-1260	ND	160

QC Batch: P0916-B2

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 86%
Decachlorobiphenyl 81%

ND=Not Detected

049



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0916-LCS2
Analysis: Method 8080

Matrix: Solid
Analysis Date for Blank Spike: 9/17/97

<u>Analyte</u>	<u>% Recovery</u>
2,4,4'-Trichlorobiphenyl	101
2,2',3,3',4,4'-Hexachlorobiphenyl	100

QC Batch: P0916-B2

050



Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.

Matrix: Soil

Client ID: I8-C1

Lab ID for Matrix Spike: D1414-21MS

Analysis Date for Matrix Spike: 9/18/97

Lab ID for Matrix Spike Duplicate: D1414-21MSD

Analysis Date for Matrix Spike Duplicate: 9/18/97

Analysis: Method 8080

% Recovery

<u>Analyte</u>	<u>Matrix Spike</u>	<u>Matrix Spike Dup.</u>	<u>% RPD</u>
2,4,4'-Trichlorobiphenyl	100	104	4
2,2',3,3',4,4'-Hexachlorobiphenyl	98	101	3

QC Batch: P0916-B2

051



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L7-C1
Lab ID: D1414-41
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 90% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 88%
Decachlorobiphenyl 83%

ND=Not Detected



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M1-C1
Lab ID: D1414-42
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 89% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 85%
Decachlorobiphenyl 83%

ND=Not Detected

053



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M4-C1
Lab ID: D1414-43
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 85%
Decachlorobiphenyl 82%

ND=Not Detected

054



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M5-C1
Lab ID: D1414-44
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 80% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 85%
Decachlorobiphenyl 83%

ND=Not Detected

055



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M6-C1
Lab ID: D1414-45
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 90%

ND=Not Detected

056



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M7-C1
Lab ID: D1414-46
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 89%
Decachlorobiphenyl 88%

ND=Not Detected

057



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: M8-C1
Lab ID: D1414-47
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 86% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 77%
Decachlorobiphenyl 76%

ND=Not Detected

058



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: N1-C1
Lab ID: D1414-48
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 85% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	390
Aroclor-1232	ND	200
Aroclor-1242	310	200
Aroclor-1248	ND	200
Aroclor-1254	ND	200
Aroclor-1260	ND	200

QC Batch: P0917-B1

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

ND=Not Detected

059



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: Q1-C2
Lab ID: D1414-49
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 88% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 71%
Decachlorobiphenyl 69%

ND=Not Detected

060



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: R1-C2
Lab ID: D1414-50
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 84% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	200
Aroclor-1221	ND	390
Aroclor-1232	ND	200
Aroclor-1242	ND	200
Aroclor-1248	ND	200
Aroclor-1254	300	200
Aroclor-1260	ND	200

QC Batch: P0917-B1

Surrogate Recovery:

2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	84%

ND=Not Detected

061



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: V~~7~~³-C2^{KOS}
Lab ID: D1414-51
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 92% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

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

QC Batch: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 62%
Decachlorobiphenyl 62%

ND=Not Detected

062



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: I9-C1(D)
Lab ID: D1414-52
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 87% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

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

ND=Not Detected

063



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: L2-C1(D)
Lab ID: D1414-53
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 95% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	180
Aroclor-1221	ND	350
Aroclor-1232	ND	180
Aroclor-1242	ND	180
Aroclor-1248	ND	180
Aroclor-1254	ND	180
Aroclor-1260	ND	180

QC Batch: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 76%
Decachlorobiphenyl 75%

ND=Not Detected

064



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: H4-C1(D)
Lab ID: D1414-54
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 82% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 87%
Decachlorobiphenyl 85%

ND=Not Detected

065



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-97(9706)
Lab ID: D1414-55
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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	20,000 D	170

QC Batch: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 82%
Decachlorobiphenyl 122%

ND=Not Detected

066



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-9103
Lab ID: D1414-56
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	24,000 D	170
Aroclor-1248	ND	170
Aroclor-1254	ND	170
Aroclor-1260	ND	170

QC Batch: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 92%
Decachlorobiphenyl 90%

ND=Not Detected

067



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: PS-95(9505)
Lab ID: D1414-57
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Soil, 100% solids
Concentration in: ug/kg, dry weight basis
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	170
Aroclor-1221	ND	330
Aroclor-1232	ND	170
Aroclor-1242	ND	170
Aroclor-1248	ND	170
Aroclor-1254	14,000 D	170
Aroclor-1260	ND	170

QC Batch: P0917-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 88%

ND=Not Detected

068



Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0917-B1
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Solid
Concentration in: ug/kg
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
Aroclor-1016	ND	160
Aroclor-1221	ND	330
Aroclor-1232	ND	160
Aroclor-1242	ND	160
Aroclor-1248	ND	160
Aroclor-1254	ND	160
Aroclor-1260	ND	160

QC Batch: P0917-B1

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

ND=Not Detected

069



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0917-LCS1
Analysis: Method 8080

Matrix: Solid
Analysis Date for Blank Spike: 9/19/97

<u>Analyte</u>	<u>% Recovery</u>
2,4,4'-Trichlorobiphenyl	96
2,2',3,3',4,4'-Hexachlorobiphenyl	100

QC Batch: P0917-B1

070



Analysis Report: Chlorinated Pesticides

Matrix Spike Summary

Client: VHB, Inc.

Matrix: Soil

Client ID: L7-C1

Lab ID for Matrix Spike: D1414-41MS

Analysis Date for Matrix Spike: 9/18/97

Lab ID for Matrix Spike Duplicate: D1414-41MSD

Analysis Date for Matrix Spike Duplicate: 9/18/97

Analysis: Method 8080

% Recovery

<u>Analyte</u>	<u>Matrix Spike</u>	<u>Matrix Spike Dup.</u>	<u>% RPD</u>
2,4,4'-Trichlorobiphenyl	103	109	6
2,2',3,3',4,4'-Hexachlorobiphenyl	97	101	4

QC Batch: P0917-B1

071



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: GERB-4
Lab ID: D1414-58
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 94%
Decachlorobiphenyl 70%

ND = Not Detected

072



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: GERB-5
Lab ID: D1414-59
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 95%
Decachlorobiphenyl 54%

ND = Not Detected

073



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: GERB-6
Lab ID: D1414-60
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 58%

ND = Not Detected

074



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: BERB-4
Lab ID: D1414-61
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 90%
Decachlorobiphenyl 49%

ND = Not Detected

075



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: BERB-5
Lab ID: D1414-62
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 92%
Decachlorobiphenyl 46%

ND = Not Detected

076



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: BERB-6
Lab ID: D1414-63
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 96%
Decachlorobiphenyl 54%

ND = Not Detected

077



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID: WB-2
Lab ID: D1414-64
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 102%
Decachlorobiphenyl 82%

ND = Not Detected

078



Analysis Report: Polychlorinated Biphenyls (PCBs)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0918-B1
Analysis: Method 8080

Analysis Date: 9/18/97
Matrix: Aqueous
Concentration in: ug/L
Dilution: 1

<u>Analyte</u>	<u>Results</u>	<u>Reporting Limits</u>
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: P0918-B1

Surrogate Recovery:
2,4,5,6-Tetrachloro-m-xylene 99%
Decachlorobiphenyl 82%

ND = Not Detected

079



Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.

Matrix: Aqueous

Lab ID for Blank Spike: P0918-LCS1

Analysis Date for Blank Spike: 9/18/97

Analysis: Method 8080

<u>Analyte</u>	<u>% Recovery</u>
2,4,4'-Trichlorobiphenyl	120
2,2',3,3',4,4'-Hexachlorobiphenyl	121

QC Batch: P0918-B1

080

MITKEM CORPORATION

Lab Project #: **D1414**
 Client Name: **Vanasse Hangen Brustlin, Inc.**
 Client Proj #: **05437**
 Client PO #: **05437**
 Project Name: **Boliden Metech**
 Date Due: **9/18/97**
 Total Price: **0.00**
 Project Mgr: **PAS**
 Salesman: **PAS**
 Del Req'd: **NA**
 Completed?: **YES**

Logged In By:
 Reviewed By:
 Date: 9-16-97 Time: 3:36

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
-01	F1-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-02	F2-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-03	F3-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-04	G1-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-05	G2-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-06	G3-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-07	G4-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-08	G5-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-09	G8-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-10	G9-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-11	G10-C1	SL	PCB 8080		9/11/97	9/11/97					1					

MITKEM CORPORATION

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
-12	H4-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-13	H5-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-14	H6-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-15	H8-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-16	I1-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-17	I2-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-18	I5-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-19	I6-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-20	I7-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-21	I8-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
22	I9-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-23	I10-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-24	I12-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-25	J1-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-26	J2-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-27	J3-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-28	J4-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-29	J5-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					
-30	J6-C1	SL	PCB 8080	9/11/97	9/11/97	9/11/97					1					

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MITKEM CORPORATION

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
-31	J8-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-32	J10-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-33	K1-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-34	K2-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-35	K3-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-36	K4-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-37	L1-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-38	L2-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-39	L3-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-40	L4-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-41	L7-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-42	M1-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-43	M4-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-44	M5-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-45	M6-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-46	M7-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-47	M8-C1	SL	PCB 8080		9/11/97	9/11/97					1					
-48	N1-C1	SL	PCB 8080		9/11/97	9/11/97					1					

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MITKEM CORPORATION

<u>Lab ID</u>	<u>Client ID</u>	<u>Matrix</u>	<u>Analysis</u>	<u>Price</u>	<u>Sampled</u>	<u>Received</u>	<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>					
-49	Q1-C2	SL	PCB 8080		9/11/97	9/11/97					1										
-50	R1-C2	SL	PCB 8080		9/11/97	9/11/97					1										
-51	³ V#-C2	SL	PCB 8080		9/11/97	9/11/97					1										
-52	I9-C1(D)	SL	PCB 8080		9/11/97	9/11/97					1										
-53	L2-C1(D)	SL	PCB 8080		9/11/97	9/11/97					1										
-54	H4-C1(D)	SL	PCB 8080		9/11/97	9/11/97					1										
-55	PS-97(9706)	SL	PCB 8080		9/11/97	9/11/97					1										
-56	PS-9103	SL	PCB 8080		9/11/97	9/11/97					1										
-57	PS-95(9505)	SL	PCB 8080		9/11/97	9/11/97					1										
-58	GERB-4	AQ	PCB 8080		9/11/97	9/11/97					1										
-59	GERB-5	AQ	PCB 8080		9/11/97	9/11/97					1										
-60	GERB-6	AQ	PCB 8080		9/11/97	9/11/97					1										
-61	BERB-4	AQ	PCB 8080		9/11/97	9/11/97					1										
-62	BERB-5	AQ	PCB 8080		9/11/97	9/11/97					1										
-63	BERB-6	AQ	PCB 8080		9/11/97	9/11/97					1										
-64	WB-2	AQ	PCB 8080		9/11/97	9/11/97					1										
084																					
NOTES:																					
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">ORIGINAL REPORT GOES TO: Vanasse Hangen Brustlin, Inc. 101 Walnut Street, PO Box 9151 Watertown, MA 02272</td> <td style="width: 50%;">INVOICE GOES TO: Same Attn: Accounts Payable</td> </tr> <tr> <td style="width: 50%;">ADDITIONAL REPORT GOES TO: None</td> <td style="width: 50%;"></td> </tr> </table>																	ORIGINAL REPORT GOES TO: Vanasse Hangen Brustlin, Inc. 101 Walnut Street, PO Box 9151 Watertown, MA 02272	INVOICE GOES TO: Same Attn: Accounts Payable	ADDITIONAL REPORT GOES TO: None		
ORIGINAL REPORT GOES TO: Vanasse Hangen Brustlin, Inc. 101 Walnut Street, PO Box 9151 Watertown, MA 02272	INVOICE GOES TO: Same Attn: Accounts Payable																				
ADDITIONAL REPORT GOES TO: None																					
												<u>TPH</u>	<u>IR</u>	<u>BNA</u>	<u>Herb</u>	<u>P/P</u>	<u>Wet</u>	<u>Met</u>	<u>V-GC</u>	<u>V-MS</u>	<u>Sub</u>
												0	0	0	0	0	0	0	0	0	0

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

ORIGINAL REPORT GOES TO:
Vanasse Hangen Brustlin, Inc.
101 Walnut Street, PO Box 9151
Watertown, MA 02272



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 VHS	PHONE 47-924-1770	COMPANY (Same)	PHONE						
NAME Dee Carlson	FAX 47-923-2336	NAME	FAX						
ADDRESS 101 Walnut St.	ADDRESS								
CITY/ST/ZIP Watertown, MA 02272	CITY/ST/ZIP								
CLIENT PROJECT NAME: Bolton Metech	CLIENT PROJECT #: 05A37	CLIENT P.O.#: 05A37	REQUESTED ANALYSES						
SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	WATER						
		GRAB	SOIL						
		OTHER	LAB ID						
			# OF CONTAINERS						
			COMMENTS						
H5-C1	9/11/97	X	X						
H6-C1	'	X	X						
H8-C1	'	X	X						
I1-C1	'	X	X						
I2-C1	'	X	X						
I5-C1	'	X	X						
I6-C1	'	X	X						
I7-C1	'	X	X						
I8-C1	'	X	X						
I9-C1	'	X	X						
I10-C1	'	X	X						
I20-C1	'	X	X						
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:		COOLER TEMP:		
1st	<i>Dee Carlson</i>	9/11/97 1:10	<i>M. J. Flannery</i>	9/16/97 13:15	1 week turn.				
2nd									



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CHAIN-OF-CUSTODY RECORD

REPORT TO				INVOICE TO			
COMPANY	PHONE	LAB REFERENCE #	COMPANY	PHONE	LAB REFERENCE #		
NAME	FAX	LAB REFERENCE #	NAME	FAX	LAB REFERENCE #		
ADDRESS	CITY/ST/ZIP	TURNAROUND TIME:	ADDRESS	CITY/ST/ZIP	TURNAROUND TIME:		
CITY/ST/ZIP	CLIENT PROJECT #:		CITY/ST/ZIP	CLIENT P.O.#:			
Bolidec Motel	05A37			05A37			
	COMPOSITE	DATE/TIME SAMPLED	GRAB	WATER	SOIL	OTHER	LAB ID
J1 - C1	X	9/11/97			X		1
J2 - C1	X				X		1
J3 - C1	X				X		1
J4 - C1	X				X		1
J5 - C1	X				X		1
J6 - C1	X				X		1
J8 - C1	X				X		1
J10 - C1	X				X		1
K1 - C1	X				X		1
K2 - C1	X				X		1
K3 - C1	X				X		1
K4 - C1	X				X		1
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:	
1st	<i>[Signature]</i>	9/11/97 1:10	<i>Michelle Franco</i>	9/11/97 13:15	1 week turn.		
2nd							
3rd							



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CHAIN-OF-CUSTODY RECORD

REPORT TO				INVOICE TO			
COMPANY	PHONE	LAB REFERENCE #	COMPANY	PHONE	LAB REFERENCE #		
NAME	FAX	LAB REFERENCE #	NAME	FAX	LAB REFERENCE #		
ADDRESS	CITY/ST/ZIP		ADDRESS	CITY/ST/ZIP		TURNAROUND TIME:	
CLIENT PROJECT NAME: <u>Bolide Metal</u>				CLIENT PROJECT #: <u>05A37</u>			
CLIENT PROJECT #: <u>05A37</u>				CLIENT P.O.#: <u>05A37</u>			
CITY/ST/ZIP: <u>Wetmore, MA 02272</u>				REQUESTED ANALYSES:			
DATE/TIME SAMPLED: <u>9/11/97</u>				COMMENTS:			
SAMPLE IDENTIFICATION				COMMENTS			
<u>172</u>	<u>K5-GT</u>	<u>9/11/97</u>	<u>172</u>	<u>K5-GT</u>	<u>9/11/97</u>		
	<u>K6-GT</u>			<u>K6-GT</u>			
	<u>L1-C1</u>			<u>L1-C1</u>			
	<u>L2-C1</u>			<u>L2-C1</u>			
	<u>L3-C1</u>			<u>L3-C1</u>			
	<u>L4-C1</u>			<u>L4-C1</u>			
	<u>L5-GT</u>			<u>L5-GT</u>			
	<u>L6-GT</u>			<u>L6-GT</u>			
	<u>L7-C1</u>			<u>L7-C1</u>			
	<u>M1-C1</u>			<u>M1-C1</u>			
	<u>M4-C1</u>			<u>M4-C1</u>			
	<u>M5-C1</u>			<u>M5-C1</u>			
TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:	
1st	<u>[Signature]</u>	<u>9/11/97 1:10</u>	<u>[Signature]</u>	<u>9/11/97 13:15</u>	<u>1 week turn.</u>		
2nd							
3rd							

Sample Chromatograms

VHB PCB Data

Matrix: Soil samples

QC Batch: P0912-B2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140F.D\E3A0140R.D
 Acq On : 17 Sep 97 01:42 PM Operator: JS
 Sample : D1414-01,F1-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.85	6.01	121445	95395	19.081	20.588
			Recovery	=	95.41%	102.94%
2) S Decachlorobiphenyl	19.39	27.35f	137408	111373	17.031m	18.496m
			Recovery	=	85.15%	92.48%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.49	378	154	7.836	6.092
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	133	0	1.529	N.D. #
5) L1 Aroclor-1016	6.28	9.38	67	31	3.596	3.160
6) L1 Aroclor-1016 {2}	6.91	0.00	75	0	9.539	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.49	378	154	13.170	12.453
Total Aroclor-1016			520	185	26.304	15.613
Average Aroclor-1016					8.768	7.807
8) L2 Aroclor-1221	3.17f	0.00	74	0	11.658	N.D. #
9) L2 Aroclor-1221 {2}	4.82f	7.38	69	233	12.533	74.481 #
10) L2 Aroclor-1221 {3}	5.30	0.00	53	0	3.757	N.D. #
Total Aroclor-1221			195	233	27.948	74.481
Average Aroclor-1221					9.316	74.481
11) L3 Aroclor-1232	5.30	0.00	53	0	4.131	N.D. #
12) L3 Aroclor-1232 {2}	6.28	9.38	67	31	7.266	6.047
13) L3 Aroclor-1232 {3}	7.51	10.49	378	154	27.609	25.379
Total Aroclor-1232			498	185	39.006	31.426
Average Aroclor-1232					13.002	15.713
14) L4 Aroclor-1242	6.28	9.38	67	31	2.722	2.358
15) L4 Aroclor-1242 {2}	7.51	0.00	378	0	9.378	N.D. #
16) L4 Aroclor-1242 {3}	7.84	10.49	194	154	11.725	8.864
17) L4 Aroclor 1242 {4}	8.13	0.00	270	0	17.966	N.D. #
18) L4 Aroclor 1242 {5}	0.00	11.44	0	172	N.D.	23.446 #
Total Aroclor-1242			909	357	41.790	34.668
Average Aroclor-1242					10.448	11.556
19) L5 Aroclor-1248	9.10	12.87	729	204	46.782	35.427
20) L5 Aroclor-1248 {2}	9.35	13.30	970	176	71.011	23.595 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140F.D\E3A0140R.D
 Acq On : 17 Sep 97 01:42 PM Operator: JS
 Sample : D1414-01,F1-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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	ng*1000	ng*1000	
21) L5 Aroclor-1248 {3}	10.18	13.51	279	191	15.762	22.974	#
Total Aroclor-1248			1977	571	133.555	81.996	
Average Aroclor-1248					44.518	27.332	
22) L6 Aroclor-1254	11.64	15.19	109	338	5.073	25.650	#
23) L6 Aroclor-1254 {2}	11.93	15.51	199	393	4.753	15.492	#
24) L6 Aroclor-1254 {3}	12.36	15.86	101	336	4.680	22.754	#
25) L6 Aroclor 1254 {4}	12.64	16.06	157	6096	6.481	757.947	#
26) L6 Aroclor 1254 {5}	13.00	0.00	103	0	5.748	N.D.	#
Total Aroclor-1254			668	7164	26.735	821.844	
Average Aroclor-1254					5.347	205.461	
27) L7 Aroclor-1260	14.89	0.00	133	0	7.236	N.D.	#
28) L7 Aroclor-1260 {2}	0.00	19.25f	0	75	N.D.	4.156	#
29) L7 Aroclor-1260 {3}	16.68	20.92	433	144	19.151	16.503	
Total Aroclor-1260			566	219	26.386	20.658	
Average Aroclor-1260					13.193	10.329	

20

KC

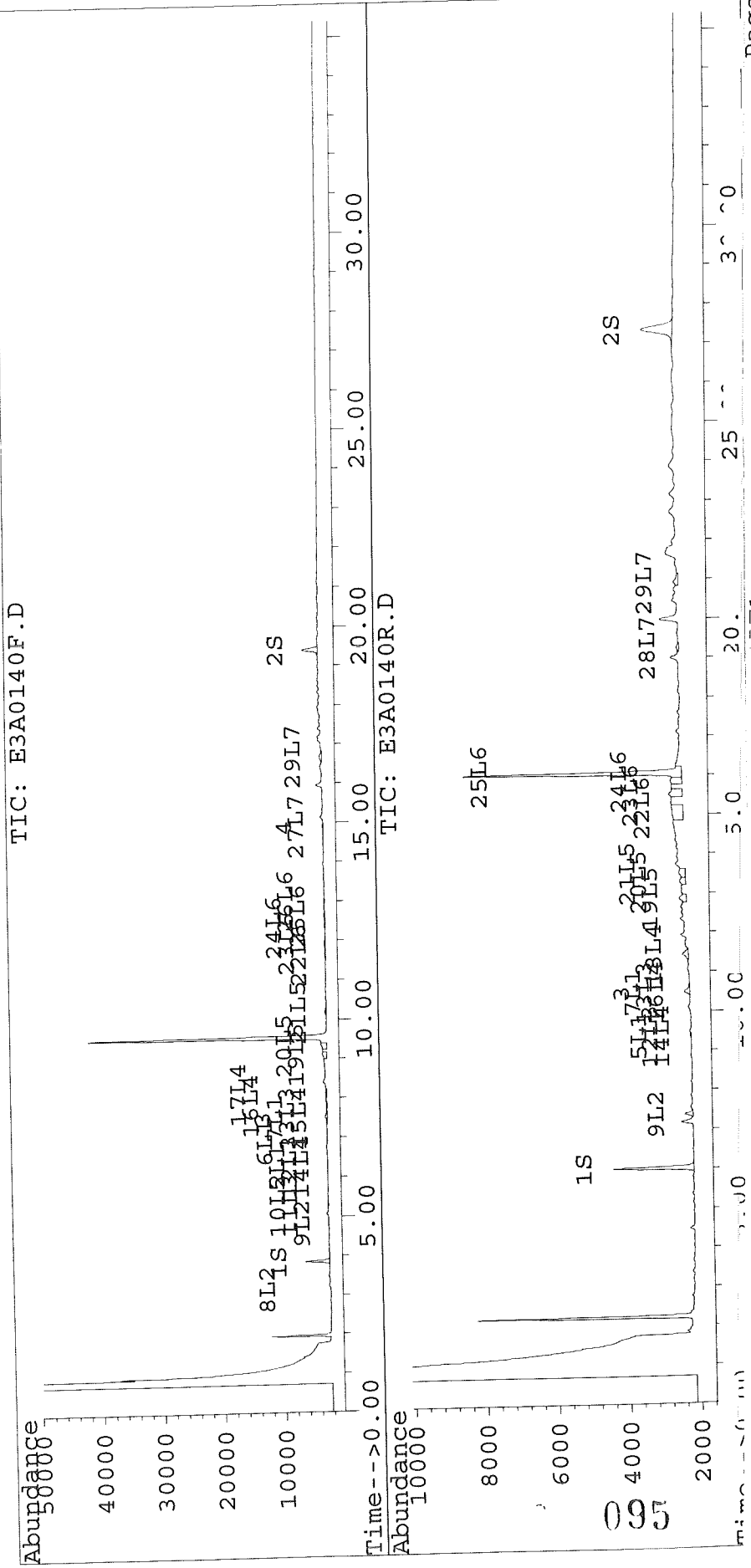
094

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0140R.D
 Acq On : 17 Sep 97 01:42 PM Operator: JS
 Sample : D1414-01,F1-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D\E3A0141R.D
 Acq On : 17 Sep 97 02:21 PM Operator: JS
 Sample : D1414-01MS,F1-C1MS,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.02	108448	82057	17.039	17.709
			Recovery	=	85.20%	88.55%
2) S Decachlorobiphenyl	19.40	27.36	169368	117218	20.993	19.467
			Recovery	=	104.97%	97.33%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	47640	24671	987.109	975.792
4) 2,2',3,3',4,4'-Hexa	14.90	18.90	85015	43733	975.988	976.384
5) L1 Aroclor-1016	6.29	9.38	54	39	2.911	3.952
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7) L1 Aroclor-1016 {3}	7.51	10.52	47640	24671	1658.933	1994.851
Total Aroclor-1016			47694	24710	1661.843	1998.803
Average Aroclor-1016					830.922	999.401
8) L2 Aroclor-1221	3.17f	0.00	155	0	24.613	N.D. #
9) L2 Aroclor-1221 {2}	4.77	7.39	129	239	23.561	76.399 #
10) L2 Aroclor-1221 {3}	5.30	0.00	41	0	2.940	N.D. #
Total Aroclor-1221			325	239	51.114	76.399
Average Aroclor-1221					17.038	76.399
11) L3 Aroclor-1232	5.30	0.00	41	0	3.232	N.D. #
12) L3 Aroclor-1232 {2}	6.29	9.38	54	39	5.881	7.563 #
13) L3 Aroclor-1232 {3}	7.51	10.52	47640	24671	3477.888	4065.428
Total Aroclor-1232			47736	24710	3487.001	4072.990
Average Aroclor-1232					1162.334	2036.495
14) L4 Aroclor-1242	6.29	9.38	54	39	2.203	2.949 #
15) L4 Aroclor-1242 {2}	7.51	10.26	47640	22	1181.270	3.306 #
16) L4 Aroclor-1242 {3}	0.00	10.52	0	24671	N.D.	1419.870 #
17) L4 Aroclor 1242 {4}	8.13	0.00	159	0	10.608	N.D. #
18) L4 Aroclor 1242 {5}	8.44	11.45	227	69	12.431	9.422
Total Aroclor-1242			48081	24801	1206.511	1435.547
Average Aroclor-1242					301.628	358.887
19) L5 Aroclor-1248	9.11	12.88	256	104	16.369	18.049
20) L5 Aroclor-1248 {2}	9.35	13.30	301	59	21.907	7.896 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D\E3A0141R.D
 Acq On : 17 Sep 97 02:21 PM Operator: JS
 Sample : D1414-01MS,F1-C1MS,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.20	13.50	178	70	10.087	8.408
Total Aroclor-1248			736	233	48.363	34.352
Average Aroclor-1248					16.121	11.451
22) L6 Aroclor-1254	0.00	15.19	0	70	N.D.	5.293 #
23) L6 Aroclor-1254 {2}	11.94	15.51	158	144	3.787	5.651 #
24) L6 Aroclor-1254 {3}	12.36	15.87	525	88	24.502	5.915 #
25) L6 Aroclor 1254 {4}	0.00	16.07	0	1372	N.D.	135.210 #
26) L6 Aroclor 1254 {5}	13.01	0.00	80	0	4.480	N.D. #
Total Aroclor-1254			764	1673	32.769	152.070
Average Aroclor-1254					10.923	38.017
27) L7 Aroclor-1260	14.90	0.00	85015	0	4618.447	N.D. #
28) L7 Aroclor-1260 {2}	15.71	0.00	123	0	3.777	N.D. #
29) L7 Aroclor-1260 {3}	16.67	20.93	233	106	10.318	12.102
Total Aroclor-1260			85372	106	4632.542	12.102
Average Aroclor-1260					1544.181	12.102

92

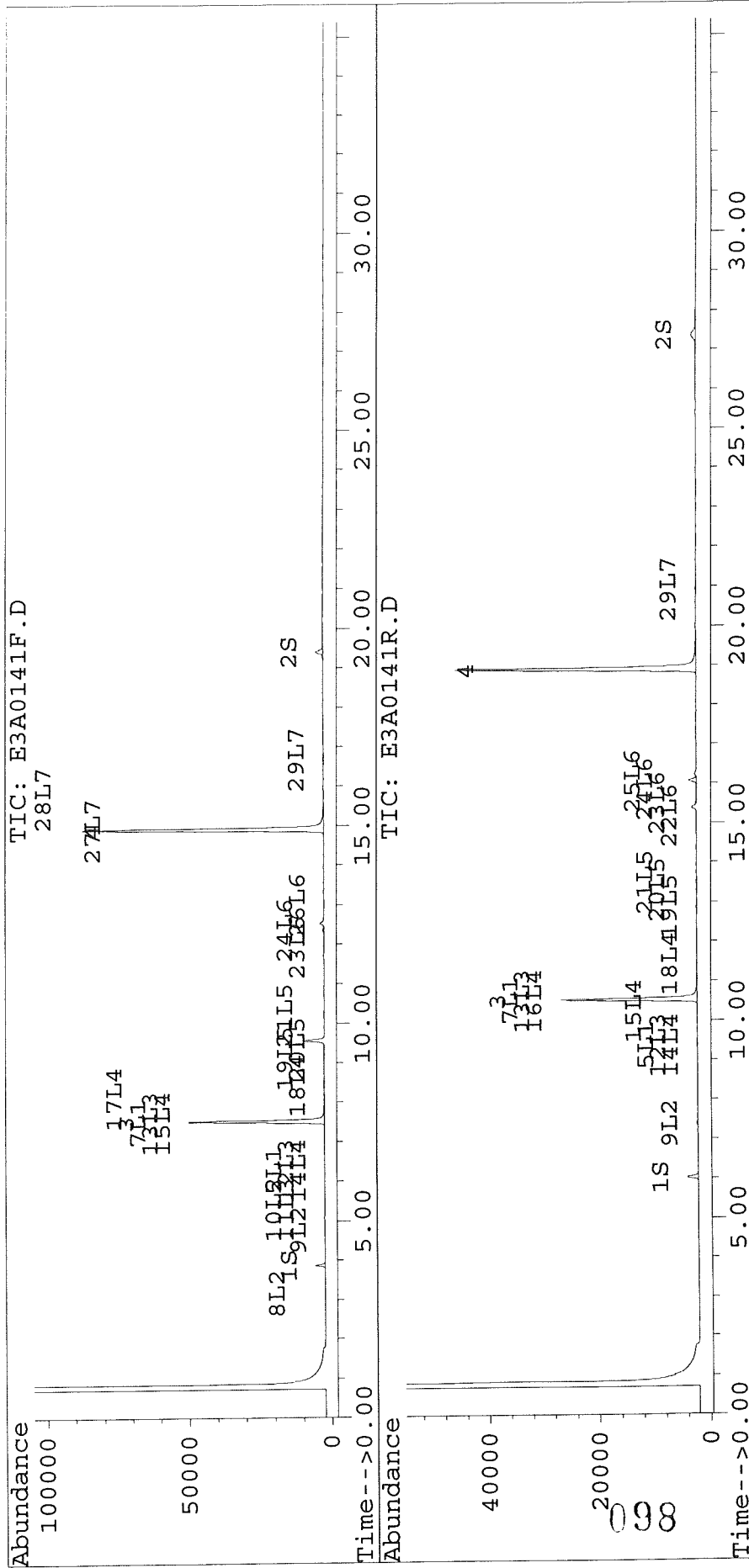
KL

097

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0141F.D\E3A0141R.D
 Acq On : 17 Sep 97 02:21 PM Operator: JS
 Sample : D1414-01MS,F1-CIMS,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0142F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0142F.D\E3A0142R.D
 Acq On : 17 Sep 97 02:59 PM Operator: JS
 Sample : D1414-01MSD,F1-C1MSD,P0912-B2,,AR1260.SP Inst : E3
 Misc : 0,,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.02	151894	114975	23.864	24.813
			Recovery	=	119.32%	124.07%
2) S Decachlorobiphenyl	19.39	27.35	175235	137404	21.720m	22.820m
			Recovery	=	108.60%	114.10%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	65498	33913	1357.114m	1341.317m
4) 2,2',3,3',4,4'-Hexa	14.89	18.90	117557	60933	1349.574m	1360.381m
5) L1 Aroclor-1016	6.29	9.38	76	90	4.089	9.174 #
6) L1 Aroclor-1016 {2}	6.92	0.00	34	0	4.387	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.52	65459	33898	2279.429	2740.939
Total Aroclor-1016			65570	33988	2287.905	2750.113
Average Aroclor-1016					762.635	1375.057
8) L2 Aroclor-1221	3.18f	0.00	104	0	16.381	N.D. #
9) L2 Aroclor-1221 {2}	4.77	7.39	174	326	31.830	103.992 #
10) L2 Aroclor-1221 {3}	5.30	0.00	74	0	5.266	N.D. #
Total Aroclor-1221			352	326	53.478	103.992
Average Aroclor-1221					17.826	103.992
11) L3 Aroclor-1232	5.30	0.00	74	0	5.792	N.D. #
12) L3 Aroclor-1232 {2}	6.29	9.38	76	90	8.264	17.574 #
13) L3 Aroclor-1232 {3}	7.51	10.52	65459	33898	4778.734	5585.925
Total Aroclor-1232			65609	33988	4792.789	5603.500
Average Aroclor-1232					1597.596	2801.750
14) L4 Aroclor-1242	6.29	9.38	76	90	3.095	6.847 #
15) L4 Aroclor-1242 {2}	7.51	10.26	65459	33	1623.104	5.000 #
16) L4 Aroclor-1242 {3}	0.00	10.52	0	33898	N.D.	1950.911 #
17) L4 Aroclor 1242 {4}	8.13	0.00	225	0	14.986	N.D. #
18) L4 Aroclor 1242 {5}	0.00	11.44	0	254	N.D.	34.729 #
Total Aroclor-1242			65760	34276	1641.186	1997.488
Average Aroclor-1242					547.062	499.372
19) L5 Aroclor-1248	9.11	12.87	451	191	28.891	33.103
20) L5 Aroclor-1248 {2}	9.35	13.30	422	124	30.739	16.590 #

099

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0142F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0142F.D\E3A0142R.D
 Acq On : 17 Sep 97 02:59 PM Operator: JS
 Sample : D1414-01MSD,F1-C1MSD,P0912-B2,,AR1260.SP Inst : E3
 Misc : 0,,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

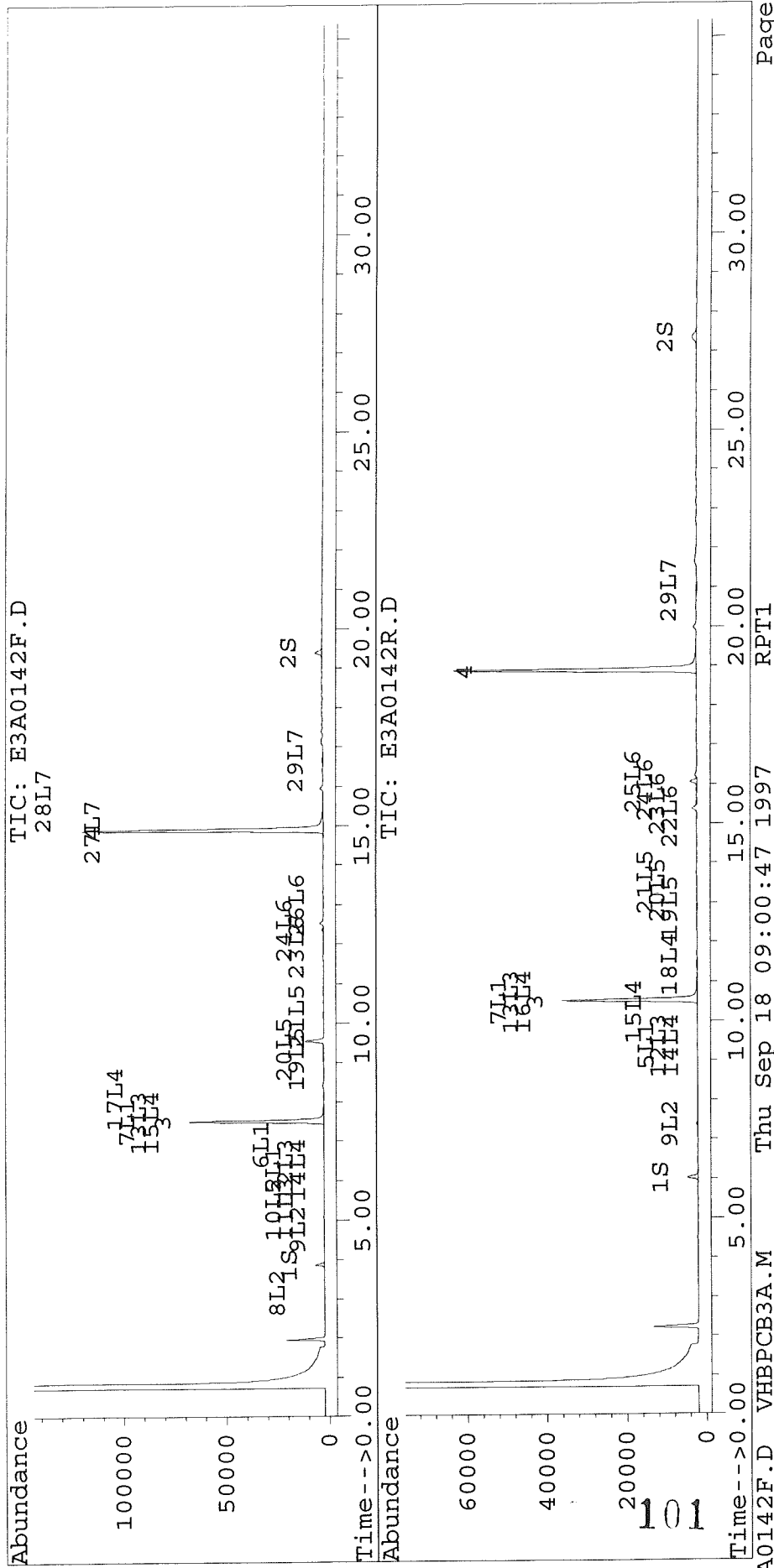
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.50	382	148	21.608	17.791
Total Aroclor-1248			1255	463	81.238	67.484
Average Aroclor-1248					27.079	22.495
22) L6 Aroclor-1254	0.00	15.19	0	151	N.D.	11.410 #
23) L6 Aroclor-1254 {2}	11.94	15.51	268	258	6.403	10.137 #
24) L6 Aroclor-1254 {3}	12.36	15.86	751	175	35.139	11.806 #
25) L6 Aroclor 1254 {4}	0.00	16.06	0	1727	N.D.	172.415 #
26) L6 Aroclor 1254 {5}	13.00	0.00	125	0	6.966	N.D. #
Total Aroclor-1254			1144	2311	48.509	205.768
Average Aroclor-1254					16.170	51.442
27) L7 Aroclor-1260	14.89	0.00	117503	0	6383.354	N.D. #
28) L7 Aroclor-1260 {2}	15.70	0.00	234	0	7.147	N.D. #
29) L7 Aroclor-1260 {3}	16.67	20.92	652	288	28.811	32.984
Total Aroclor-1260			118388	288	6419.312	32.984
Average Aroclor-1260					2139.771	32.984

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0142F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0142R.D
 Acq On : 17 Sep 97 02:59 PM Operator: JS
 Sample : D1414-01MSD,F1-C1MSD,P0912-B2,,AR1260.SP Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0143F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0143F.D\E3A0143R.D Operator: JS
 Acq On : 17 Sep 97 03:37 PM Inst : E3
 Sample : D1414-02,F2-C1,P0912-B2 Multiplr: 1.00
 Misc : 0,,2,,25000,,15.0,15,,12-SEP-97,11-SEP-
 Quant Time: Sep 18 8:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.02	129716	106514	20.380m	22.987
			Recovery	=	101.90% ✓	114.94%
2) S Decachlorobiphenyl	19.39	27.35	157666	131765	19.542m	21.883m
			Recovery	=	97.71% ✓	109.42%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	8777	2834	181.858	112.082 #
4) 2,2',3,3',4,4'-Hexa	14.89	18.91	767	504	8.802	11.247 #
5) L1 Aroclor-1016	6.29	9.38	3563	1513	198.396	158.715
6) L1 Aroclor-1016 {2}	6.91	0.00	1944	0	247.906	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.52	8777	2834	305.630	229.134 #
Total Aroclor-1016			14284	4346	751.932	387.850
Average Aroclor-1016					250.644	193.925
8) L2 Aroclor-1221	3.14	0.00	102	0	16.154	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.37	0	217	N.D.	69.123 #
10) L2 Aroclor-1221 {3}	5.30	8.06	2427	442	172.941	65.166 #
Total Aroclor-1221			2529	658	189.095	134.288
Average Aroclor-1221					94.548	67.144
11) L3 Aroclor-1232	5.30	8.06	2427	442	196.747	69.843
12) L3 Aroclor-1232 {2}	6.29	9.38	3563	1513	418.346	313.242
13) L3 Aroclor-1232 {3}	7.51	10.52	8777	2834	640.741	466.967
Total Aroclor-1232			14767	4788	1255.834	850.052
Average Aroclor-1232					418.611	283.351
14) L4 Aroclor-1242	6.29	9.38	3563	1513	150.910	118.822
15) L4 Aroclor-1242 {2}	7.51	10.29	8777	884	217.629	133.450
16) L4 Aroclor-1242 {3}	7.85	10.52	2069	2834	125.006	163.090
17) L4 Aroclor 1242 {4}	8.13	10.99	2729	1262	181.644	144.388
18) L4 Aroclor 1242 {5}	8.46	11.43	4157	1127	242.019	154.070
Total Aroclor-1242			21295	7620	917.207	713.819
Average Aroclor-1242					183.441	142.764
19) L5 Aroclor-1248	9.10	12.86	4651	3786	309.720	731.904
20) L5 Aroclor-1248 {2}	0.00	13.30	0	1761	N.D.	243.326

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0143F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0143F.D\E3A0143R.D
 Acq On : 17 Sep 97 03:37 PM Operator: JS
 Sample : D1414-02,F2-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,15,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*100
21) L5 Aroclor-1248 {3}	10.20	13.49	3265	2061	188.342	256.088
Total Aroclor-1248			7916	7608	498.062	1231.38
Average Aroclor-1248					249.031	410.43
22) L6 Aroclor-1254	11.65	15.18	1218	1890	56.812	148.45
23) L6 Aroclor-1254 {2}	11.93	15.51	2579	2546	61.655	102.75
24) L6 Aroclor-1254 {3}	12.35	15.86	1377	1975	64.986	137.915
25) L6 Aroclor 1254 {4}	12.63	16.05	1608	18755	66.478	NoQua 1
26) L6 Aroclor 1254 {5}	12.99	16.29	1430	1237	81.403	121.10
Total Aroclor-1254			8212	7648	331.334	509.486
Average Aroclor-1254					66.267	127.372
27) L7 Aroclor-1260	14.89	18.78	767	305	41.653	33.22
28) L7 Aroclor-1260 {2}	15.70	19.21	622	498	19.033	27.54
29) L7 Aroclor-1260 {3}	16.64	20.92	649	338	28.700	38.0
Total Aroclor-1260			2038	1141	89.385	99.43
Average Aroclor-1260					29.795	33.159

1242 $\frac{894 \times 25 \times \frac{5}{4}}{15 * 0.85} = 1420 \text{ (Kc) } \mu\text{g/kg}$

1254 $\frac{331.334 * 25}{15 * 0.85} = 650 \text{ } \mu\text{g/kg}$

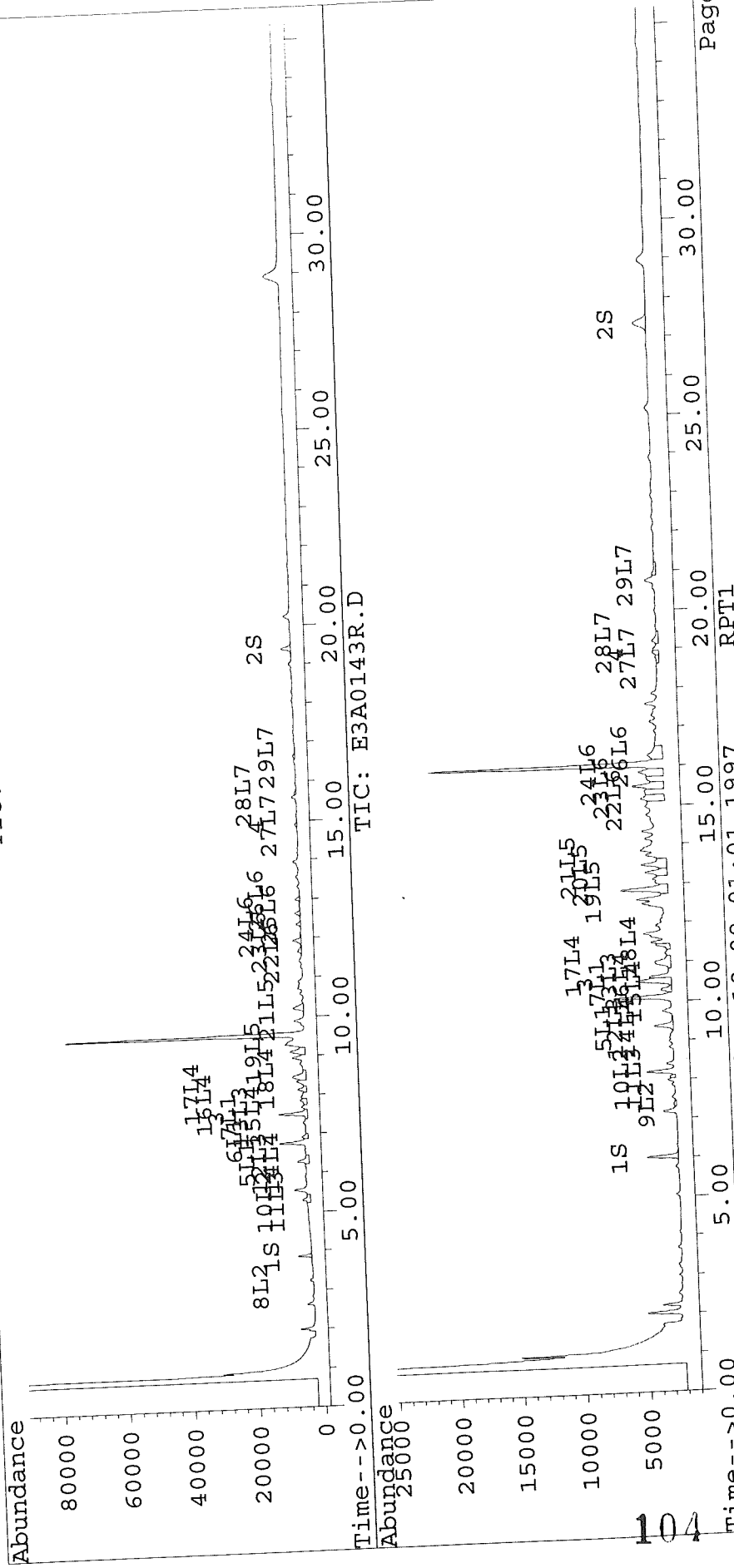
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0143F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0143F.D\E3A0143R.D
 Acq On : 17 Sep 97 03:37 PM Operator: JS
 Sample : D1414-02,F2-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,15,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:50 1997

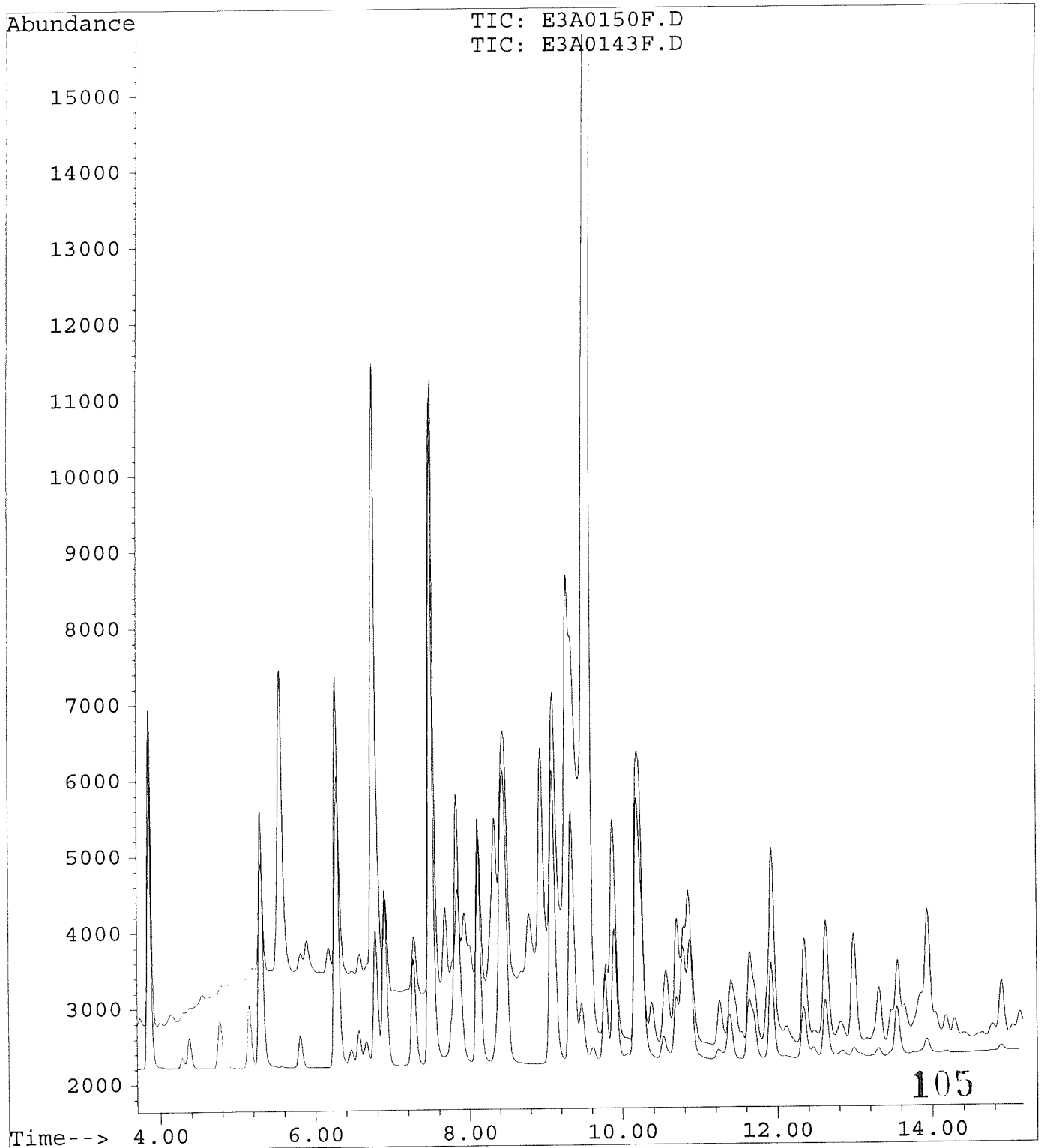
Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

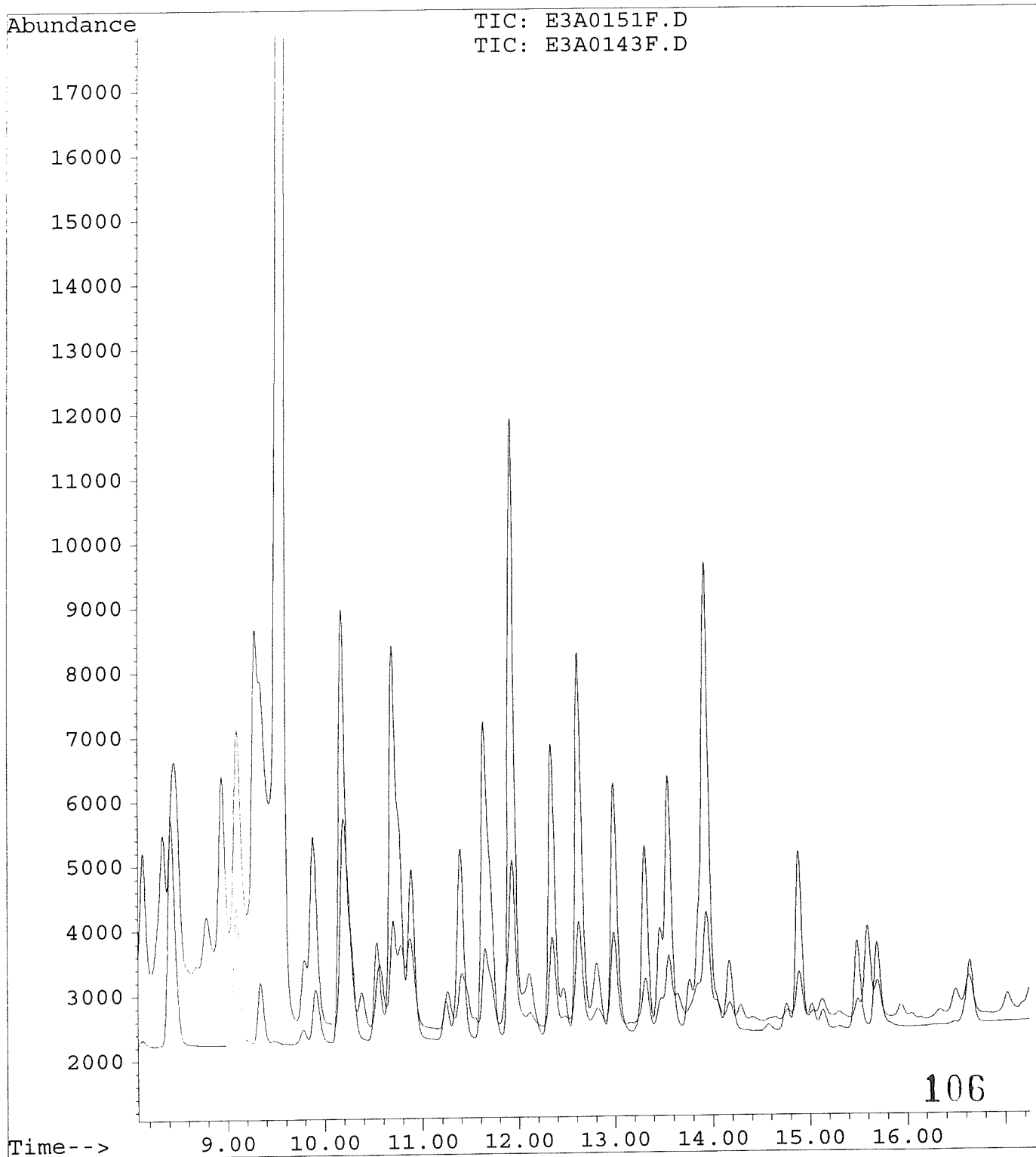
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File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D
Operator : JS
Acquired : 17 Sep 97 08:03 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1242AA,AR1242AA,,AR1242.SUB
Misc Info : 2,,1
Vial Number: 13



File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D
Operator : JS
Acquired : 17 Sep 97 08:41 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1254AA,AR1254AA,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144F.D Vial: 7
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144F.D\E3A0144R.D
 Acq On : 17 Sep 97 04:15 PM Operator: JS
 Sample : D1414-03,F3-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	110998	87815	17.439m	18.952
			Recovery	=	87.19%	94.76%
2) S Decachlorobiphenyl	19.39	27.36	119936	95311	14.866	15.829
			Recovery	=	74.33%	79.15%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 2,2',3,3',4,4'-Hexa	14.88	0.00	1800	0	20.669	N.D. #
5) L1 Aroclor-1016	6.32	0.00	22048	0	1670.872	N.D. #
6) L1 Aroclor-1016 {2}	6.92	0.00	21524	0	2744.375	N.D. #
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			43572	0	4415.248	N.D.
Average Aroclor-1016					2207.624	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.31	8.11f	19653	756	1400.468	111.568
Total Aroclor-1221			19653	756	1400.468	111.568
Average Aroclor-1221					1400.468	111.568
11) L3 Aroclor-1232	5.31	8.11f	19653	756	NoQuad	120.699 #
12) L3 Aroclor-1232 {2}	6.32	0.00	22048	0	NoQuad	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	756	N.D.	120.699
Average Aroclor-1232					0.000	120.699
14) L4 Aroclor-1242	6.26	0.00	21962	0	1414.799	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}	8.43	0.00	16169	0	1358.087	N.D. #
Total Aroclor-1242			38131	0	2772.886	N.D.
Average Aroclor-1242					1386.443	0.000
19) L5 Aroclor-1248	9.14f	0.00	14527	0	1089.783	N.D. #
20) L5 Aroclor-1248 {2}	0.00	13.30	0	6294	N.D.	967.455 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144F.D Vial: 7
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144F.D\E3A0144R.D
 Acq On : 17 Sep 97 04:15 PM Operator: JS
 Sample : D1414-03,F3-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	0.00	821	0	46.598	N.D. #
Total Aroclor-1248			15349	6294	1136.381	967.455
Average Aroclor-1248					568.191	967.455
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	15.48	0	11620	N.D.	536.054 #
24) L6 Aroclor-1254 {3}	12.33	0.00	1340	0	63.231	N.D. #
25) L6 Aroclor 1254 {4}	0.00	16.05	0	101376	N.D.	NoQuad
26) L6 Aroclor 1254 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			1340	11620	63.231	535.054
Average Aroclor-1254					63.231	535.054
27) L7 Aroclor-1260	14.88	0.00	1800	0	97.810	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			1800	0	97.810	N.D.
Average Aroclor-1260					97.810	0.000

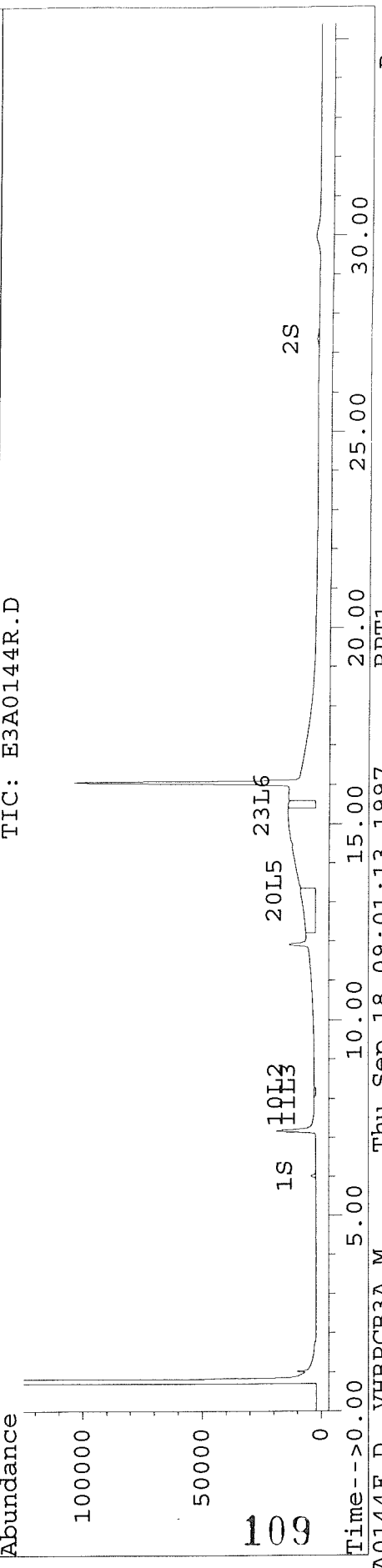
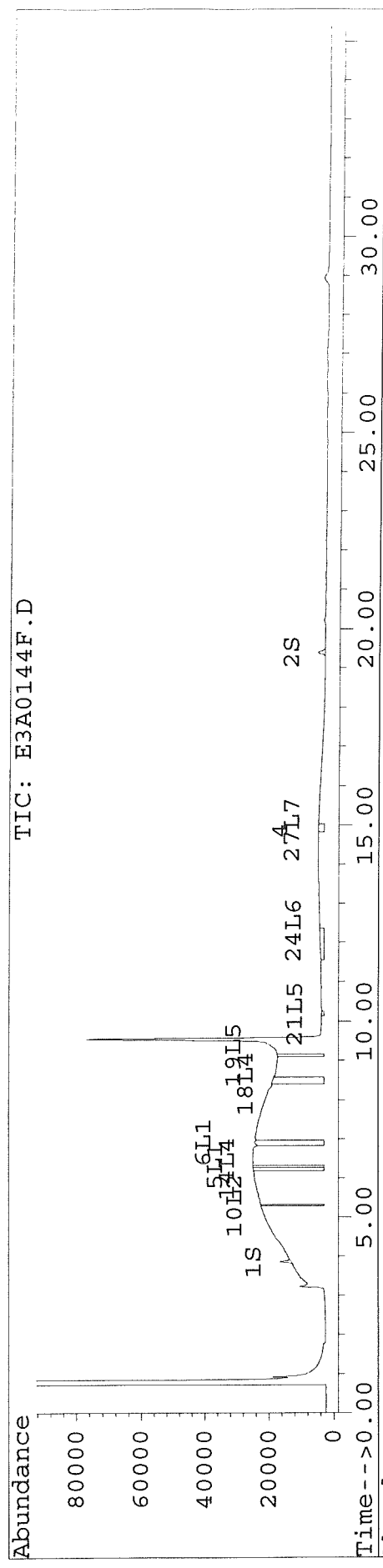
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0144R.D
Acq On : 17 Sep 97 04:15 PM Operator: JS
Sample : D1414-03,F3-C1,P0912-B2 Inst : E3
Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP-97,11-SEP- Multiplr: 1.00
Quant Time: Sep 18 8:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145F.D\E3A0145R.D
 Acq On : 17 Sep 97 04:53 PM Operator: JS
 Sample : D1414-04,G1-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,18,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	120415	93244	18.919	20.123
			Recovery	=	94.60%	100.62%
2) S Decachlorobiphenyl	19.39	27.36	132172	115191	16.382m	19.130m
			Recovery	=	81.91%	95.65%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.50	194	92	4.028	3.641
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	81	0	0.931	N.D. #
5) L1 Aroclor-1016	6.28	9.38	35	25	1.873	2.559 #
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7) L1 Aroclor-1016 {3}	7.51	10.50	194	92	6.769	7.444
Total Aroclor-1016			229	117	8.642	10.003
Average Aroclor-1016					4.321	5.001
8) L2 Aroclor-1221	3.17f	0.00	145	0	22.897	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.38	0	173	N.D.	55.089 #
10) L2 Aroclor-1221 {3}	5.30	0.00	37	0	2.621	N.D. #
Total Aroclor-1221			181	173	25.518	55.089
Average Aroclor-1221					12.759	55.089
11) L3 Aroclor-1232	5.30	0.00	37	0	2.881	N.D. #
12) L3 Aroclor-1232 {2}	6.28	9.38	35	25	3.783	4.896 #
13) L3 Aroclor-1232 {3}	7.51	10.50	194	92	14.192	15.170
Total Aroclor-1232			266	117	20.856	20.066
Average Aroclor-1232					6.952	10.033
14) L4 Aroclor-1242	6.28	9.38	35	25	1.418	1.910 #
15) L4 Aroclor-1242 {2}	7.51	0.00	194	0	4.820	N.D. #
16) L4 Aroclor-1242 {3}	7.84	10.50	29	92	1.752	5.298 #
17) L4 Aroclor 1242 {4}	8.12	11.05f	46	19	3.078	2.144 #
18) L4 Aroclor 1242 {5}	0.00	11.44	0	74	N.D.	10.154 #
Total Aroclor-1242			304	210	11.067	19.506
Average Aroclor-1242					2.767	4.877
19) L5 Aroclor-1248	9.10	12.87	146	55	9.310	9.572
20) L5 Aroclor-1248 {2}	9.34	13.30	162	41	11.766	5.423 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145F.D\E3A0145R.D
 Acq On : 17 Sep 97 04:53 PM Operator: JS
 Sample : D1414-04,G1-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,18,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

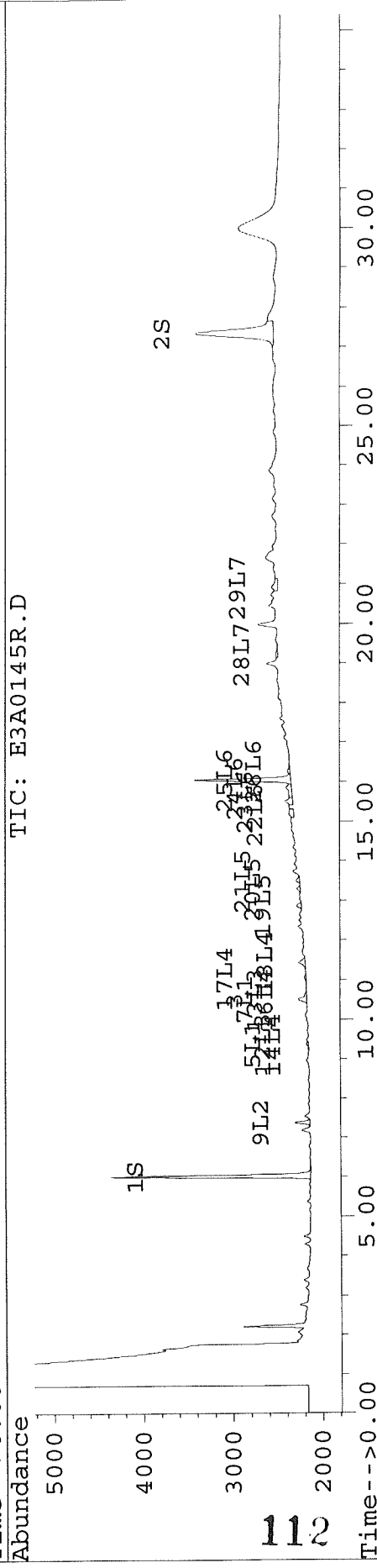
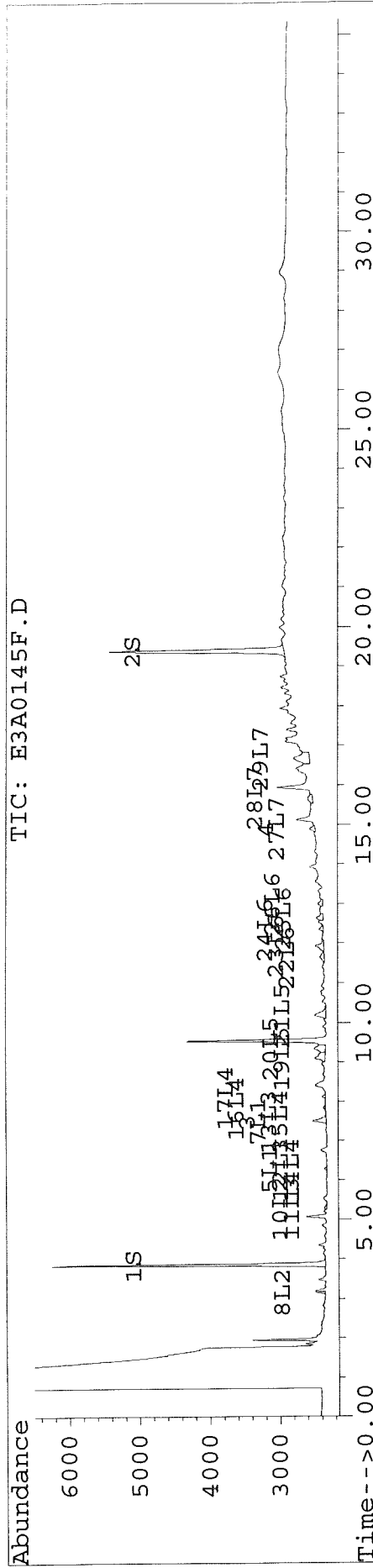
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.50	159	44	8.993	5.287 #
Total Aroclor-1248			467	140	30.069	20.281
Average Aroclor-1248					10.023	6.760
22) L6 Aroclor-1254	11.65	15.19	65	55	3.051	4.158 #
23) L6 Aroclor-1254 {2}	11.93	15.51	125	91	2.993	3.564
24) L6 Aroclor-1254 {3}	12.35	15.86	62	63	2.887	4.257 #
25) L6 Aroclor 1254 {4}	12.63	16.06	98	1072	4.053	104.636 #
26) L6 Aroclor 1254 {5}	13.00	16.29	69	28	3.841	2.655 #
Total Aroclor-1254			420	1309	16.824	119.269
Average Aroclor-1254					3.365	23.854
27) L7 Aroclor-1260	14.89	0.00	81	0	4.404	N.D. #
28) L7 Aroclor-1260 {2}	15.67	19.24	69	23	2.126	1.264 #
29) L7 Aroclor-1260 {3}	16.68	20.92	227	67	10.049	7.629
Total Aroclor-1260			378	89	16.580	8.892
Average Aroclor-1260					5.527	4.446

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0145R.D
 Acq On : 17 Sep 97 04:53 PM Operator: JS
 Sample : D1414-04,G1-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,18,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E3A0146F.D Vial: 9
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0146F.D\E3A0146R.D
 Acq On : 17 Sep 97 05:31 PM Operator: JS
 Sample : D1414-05,G2-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,16,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	110280	82748	17.326	17.858
			Recovery	=	86.63%	89.29%
2) S Decachlorobiphenyl	19.39	27.35f	120717	101712	14.963m	16.892
			Recovery	=	74.82%	84.46%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	10.47f	0	17	N.D.	0.661 #
4) 2,2',3,3',4,4'-Hexa	14.90	0.00	95	0	1.086	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	10.47f	0	17	N.D.	1.352 #
Total Aroclor-1016			0	17	N.D.	1.352
Average Aroclor-1016					0.000	1.352
8) L2 Aroclor-1221	3.17f	0.00	180	0	28.473	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.38	0	267	N.D.	85.056 #
10) L2 Aroclor-1221 {3}	5.28	0.00	5654	0	402.935	N.D. #
Total Aroclor-1221			5834	267	431.408	85.056
Average Aroclor-1221					215.704	85.056
11) L3 Aroclor-1232	5.28	0.00	5654	0	483.404	N.D. #
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	7.56f	10.47f	44	17	3.212	2.755
Total Aroclor-1232			5698	17	486.616	2.755
Average Aroclor-1232					243.308	2.755
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	10.47f	0	17	N.D.	0.962 #
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	8.43	11.47f	46	21	2.497	2.836
Total Aroclor-1242			46	37	2.497	3.798
Average Aroclor-1242					2.497	1.899
19) L5 Aroclor-1248	0.00	12.87	0	32	N.D.	5.457 #
20) L5 Aroclor-1248 {2}	0.00	13.27	0	41	N.D.	5.519 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0146F.D Vial: 9
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0146F.D\E3A0146R.D
 Acq On : 17 Sep 97 05:31 PM Operator: JS
 Sample : D1414-05,G2-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,16,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	0.00	53	0	2.974	N.D. #
Total Aroclor-1248			53	73	2.974	10.976
Average Aroclor-1248					2.974	5.488
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	11.93	15.51	158	152	3.779	5.951 #
24) L6 Aroclor-1254 {3}	12.35	15.86	94	118	4.345	7.980 #
25) L6 Aroclor 1254 {4}	12.63	16.06	110	1929	4.537	193.992 #
26) L6 Aroclor 1254 {5}	13.00	16.29	88	67	4.926	6.340 #
Total Aroclor-1254			450	2266	17.586	214.263
Average Aroclor-1254					4.396	53.566
27) L7 Aroclor-1260	14.90	0.00	95	0	5.141	N.D. #
28) L7 Aroclor-1260 {2}	0.00	19.23	0	27	N.D.	1.471 #
29) L7 Aroclor-1260 {3}	16.63	20.92	152	64	6.717	7.301
Total Aroclor-1260			247	90	11.858	8.772
Average Aroclor-1260					5.929	4.386

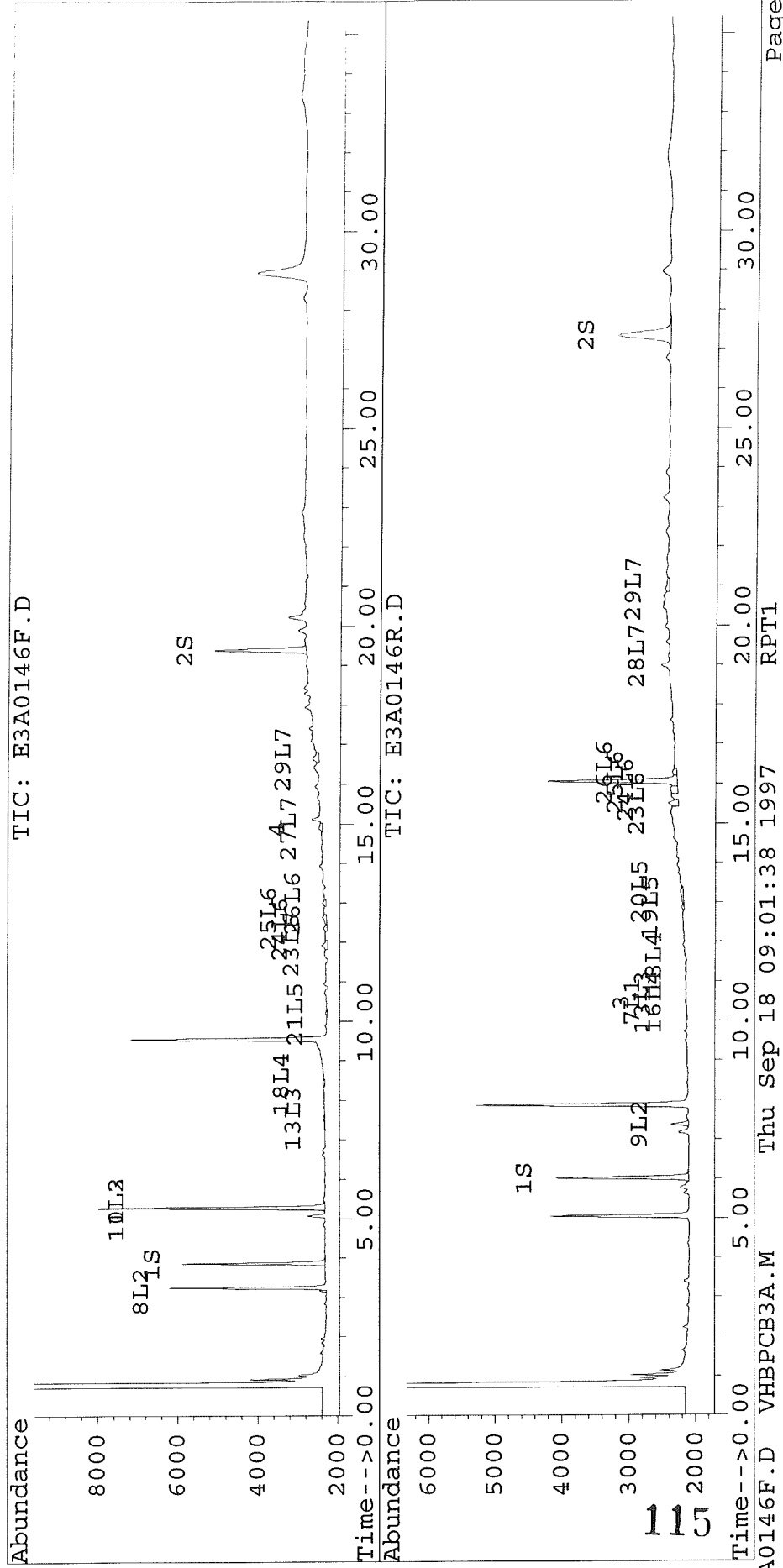
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0146F.D Vial: 9
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0146R.D
 Acq On : 17 Sep 97 05:31 PM Operator: JS
 Sample : D1414-05,G2-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,16,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0147F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0147F.D\E3A0147R.D
 Acq On : 17 Sep 97 06:09 PM Operator: JS
 Sample : D1414-06,G3-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	110338	95185	17.336m	20.542m
			Recovery	=	86.68%	102.71%
2) S Decachlorobiphenyl	19.39	27.34f	131928	110076	16.352	18.281
			Recovery	=	81.76%	91.40%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.48	0.00	10143	0	210.167	N.D. #
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	871	0	9.996	N.D. #
5) L1 Aroclor-1016	6.30	0.00	10818	0	656.604	N.D. #
6) L1 Aroclor-1016 {2}	6.92	0.00	9809	0	1250.634	N.D. #
7) L1 Aroclor-1016 {3}	7.48	0.00	10143	0	353.207	N.D. #
Total Aroclor-1016			30770	0	2260.445	N.D.
Average Aroclor-1016					753.482	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	8.10f	0	517	N.D.	76.286 #
Total Aroclor-1221			0	517	N.D.	76.286
Average Aroclor-1221					0.000	76.286
11) L3 Aroclor-1232	0.00	8.10	0	517	N.D.	81.942 #
12) L3 Aroclor-1232 {2}	6.30	0.00	10818	0	1687.448	N.D. #
13) L3 Aroclor-1232 {3}	7.48	0.00	10143	0	740.485	N.D. #
Total Aroclor-1232			20961	517	2427.932	81.942
Average Aroclor-1232					1213.966	81.942
14) L4 Aroclor-1242	6.30	0.00	10818	0	507.195	N.D. #
15) L4 Aroclor-1242 {2}	7.48	0.00	10143	0	251.507	N.D. #
16) L4 Aroclor-1242 {3}	7.87	0.00	10073	0	608.509	N.D. #
17) L4 Aroclor 1242 {4}	8.11	0.00	10136	0	674.638	N.D. #
18) L4 Aroclor 1242 {5}	8.46	0.00	10239	0	677.182	N.D. #
Total Aroclor-1242			51409	0	2719.031	N.D.
Average Aroclor-1242					543.806	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	13.29	0	3629	N.D.	521.699 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0147F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0147F.D\E3A0147R.D
 Acq On : 17 Sep 97 06:09 PM Operator: JS
 Sample : D1414-06,G3-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,10,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

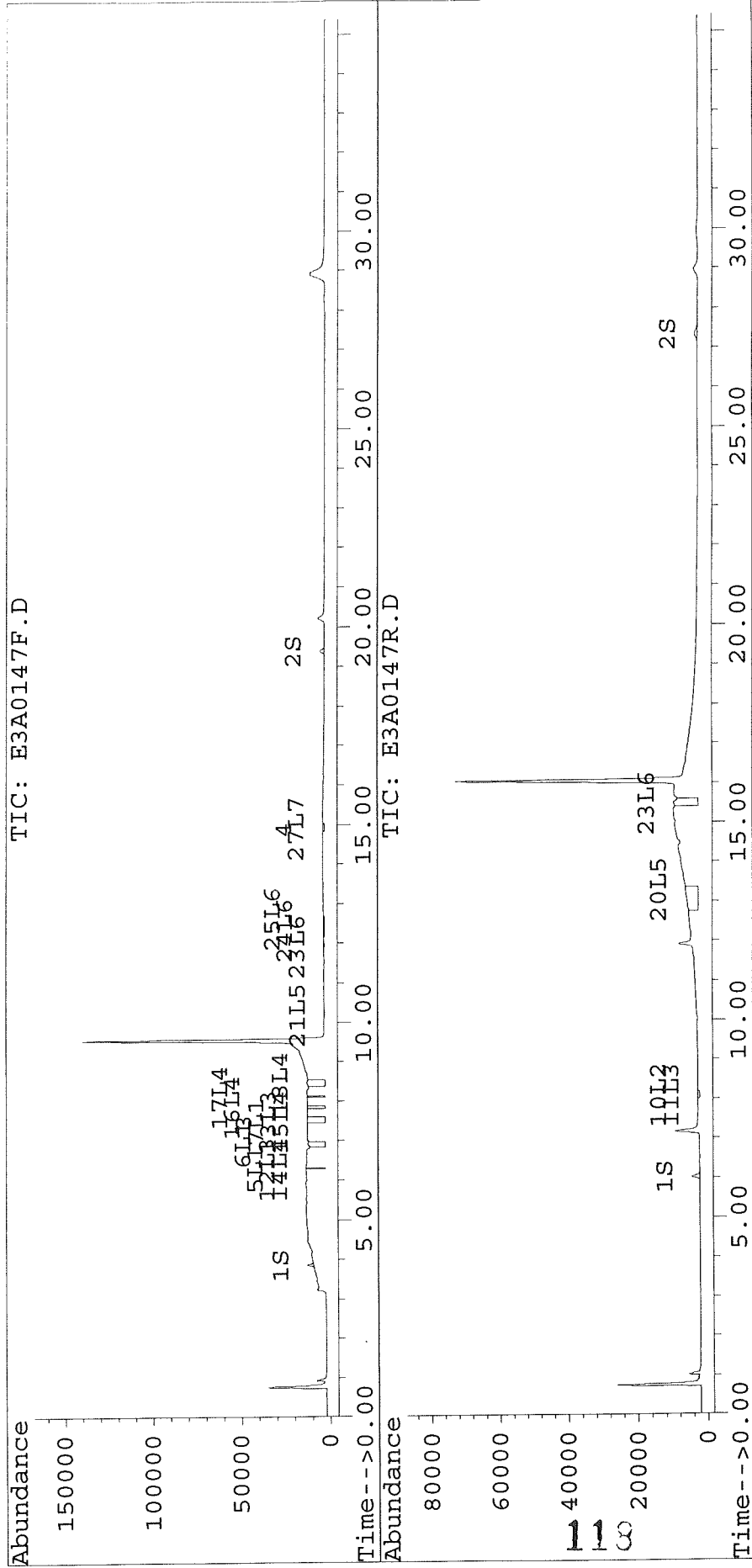
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	0.00	348	0	19.708	N.D. #
Total Aroclor-1248			348	3629	19.708	521.699
Average Aroclor-1248					19.708	521.699
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	11.93	15.49	516	7076	12.327	303.196 #
24) L6 Aroclor-1254 {3}	12.33	0.00	599	0	27.977	N.D. #
25) L6 Aroclor 1254 {4}	12.62	16.05	654	70406	27.040	NoQuad #
26) L6 Aroclor 1254 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			1769	7076	67.344	302.196
Average Aroclor-1254					22.448	302.196
27) L7 Aroclor-1260	14.89	0.00	871	0	47.303	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			871	0	47.303	N.D.
Average Aroclor-1260					47.303	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0147F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0147R.D
 Acq On : 17 Sep 97 06:09 PM Operator: JS
 Sample : D1414-06,G3-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,10,,12-SEP-97,11-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0153F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0153F.D\E3A0153R.D
 Acq On : 17 Sep 97 09:57 PM Operator: JS
 Sample : D1414-07,G4-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.01	115050	86897	18.076	18.753
			Recovery	=	90.38%	93.77%
2) S Decachlorobiphenyl	19.38	27.33f	134467	109278	16.667m	18.148m
			Recovery	=	83.34%	90.74%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.51	227	89	4.696	3.522 #
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	171	0	1.961	N.D. #
5) L1 Aroclor-1016	6.28	0.00	27	0	1.456	N.D. #
6) L1 Aroclor-1016 {2}	6.92	0.00	78	0	9.920	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.51	227	89	7.893	7.200
Total Aroclor-1016			332	89	19.269	7.200
Average Aroclor-1016					6.423	7.200
8) L2 Aroclor-1221	3.17f	0.00	313	0	49.858	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.37	0	30	N.D.	9.477 #
10) L2 Aroclor-1221 {3}	5.27	0.00	44	0	3.120	N.D. #
Total Aroclor-1221			357	30	52.978	9.477
Average Aroclor-1221					26.489	9.477
11) L3 Aroclor-1232	5.27f	0.00	44	0	3.430	N.D. #
12) L3 Aroclor-1232 {2}	6.28	0.00	27	0	2.942	N.D. #
13) L3 Aroclor-1232 {3}	7.51	10.51	227	89	16.547	14.674
Total Aroclor-1232			298	89	22.919	14.674
Average Aroclor-1232					7.640	14.674
14) L4 Aroclor-1242	6.28	0.00	27	0	1.102	N.D. #
15) L4 Aroclor-1242 {2}	7.51	0.00	227	0	5.620	N.D. #
16) L4 Aroclor-1242 {3}	7.83	10.51	169	89	10.207	5.125 #
17) L4 Aroclor 1242 {4}	8.13	11.06f	196	48	13.059	5.468 #
18) L4 Aroclor 1242 {5}	8.46	0.00	250	0	13.684	N.D. #
Total Aroclor-1242			869	137	43.672	10.593
Average Aroclor-1242					8.734	5.296
19) L5 Aroclor-1248	9.11	12.87	387	72	24.729	12.460 #
20) L5 Aroclor-1248 {2}	0.00	13.28	0	69	N.D.	9.237 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0153F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0153F.D\E3A0153R.D
 Acq On : 17 Sep 97 09:57 PM Operator: JS
 Sample : D1414-07,G4-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
1) L5 Aroclor-1248 {3}	10.19	13.52	174	112	9.832	13.431 #
Total Aroclor-1248			561	253	34.561	35.128
Average Aroclor-1248					17.280	11.709
2) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	11.92	15.51	259	185	6.187	7.271
24) L6 Aroclor-1254 {3}	12.35	15.83	195	144	9.036	9.687
25) L6 Aroclor 1254 {4}	12.62	16.05	207	2525	8.553	259.719 #
26) L6 Aroclor 1254 {5}	12.99	16.27	152	88	8.494	8.309
Total Aroclor-1254			813	2942	32.269	284.986
Average Aroclor-1254					8.067	71.247
27) L7 Aroclor-1260	14.89	0.00	171	0	9.279	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	16.62	20.94	180	27	7.949	3.114 #
Total Aroclor-1260			351	27	17.228	3.114
Average Aroclor-1260					8.614	3.114

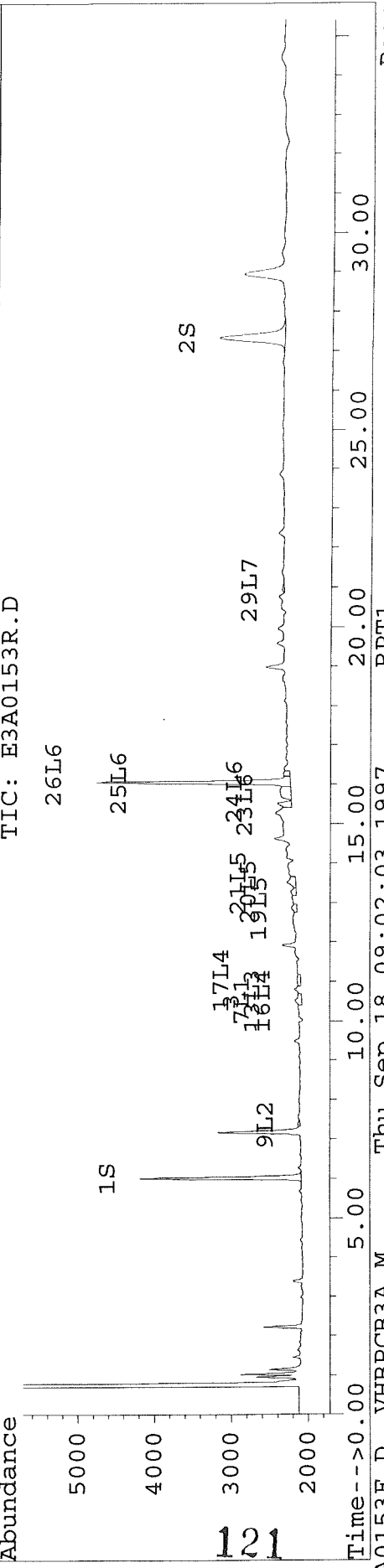
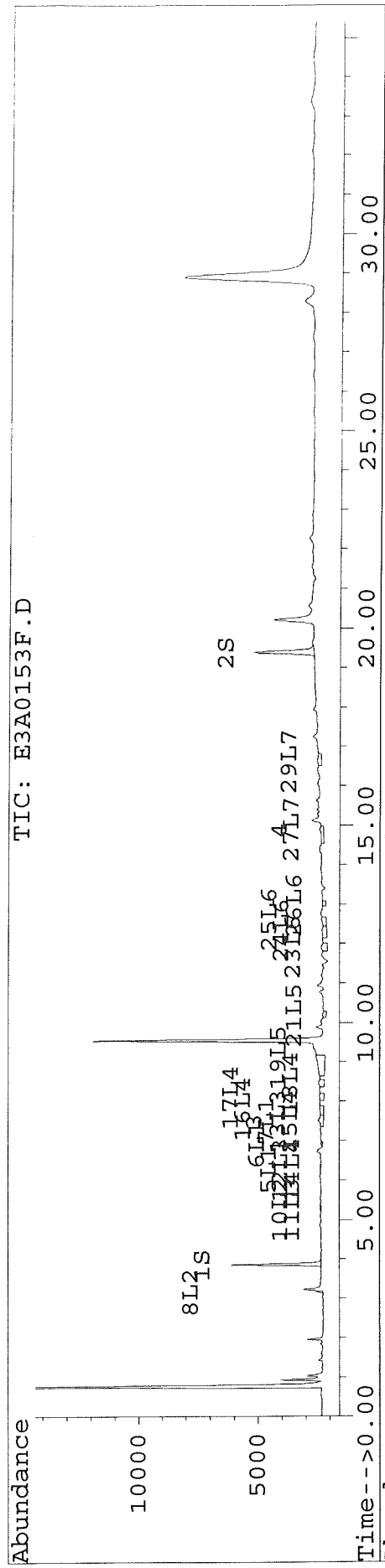
30

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0153F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0153R.D
 Acq On : 17 Sep 97 09:57 PM Operator: JS
 Sample : D1414-07,G4-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0154F.D Vial: 17
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0154F.D\E3A0154R.D
 Acq On : 17 Sep 97 10:35 PM Operator: JS
 Sample : D1414-08,G5-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,8,,12-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	114626	86041	18.009	18.569
			Recovery	=	90.05%	92.85%
2) S Decachlorobiphenyl	19.39	27.35f	131485	106727	16.297m	17.725
			Recovery	=	81.49%	88.63%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	79	0	0.905	N.D. #
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	6.92	0.00	33	0	4.177	N.D. #
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			33	0	4.177	N.D.
Average Aroclor-1016					4.177	0.000
8) L2 Aroclor-1221	3.17f	0.00	267	0	42.404	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			267	0	42.404	N.D.
Average Aroclor-1221					42.404	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	7.82	0.00	59	0	3.584	N.D. #
17) L4 Aroclor 1242 {4}	8.11	0.00	70	0	4.686	N.D. #
18) L4 Aroclor 1242 {5}	8.47	0.00	81	0	4.425	N.D. #
Total Aroclor-1242			211	0	12.695	N.D.
Average Aroclor-1242					4.232	0.000
19) L5 Aroclor-1248	0.00	12.87	0	31	N.D.	5.333 #
20) L5 Aroclor-1248 {2}	0.00	13.26f	0	34	N.D.	4.520 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0154F.D Vial: 17
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0154F.D\E3A0154R.D
 Acq On : 17 Sep 97 10:35 PM Operator: JS
 Sample : D1414-08,G5-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,8,,12-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.20	13.52	82	66	4.655	7.877 #
Total Aroclor-1248			82	130	4.655	17.731
Average Aroclor-1248					4.655	5.910
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	15.51	0	83	N.D.	3.255 #
24) L6 Aroclor-1254 {3}	12.38	0.00	98	0	4.530	N.D. #
25) L6 Aroclor 1254 {4}	12.61	16.05	109	925	4.498	89.806 #
26) L6 Aroclor 1254 {5}	0.00	16.27	0	64	N.D.	6.029 #
Total Aroclor-1254			206	1071	9.028	99.090
Average Aroclor-1254					4.514	33.030
27) L7 Aroclor-1260	14.89	0.00	79	0	4.284	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	16.63	20.93	156	75	6.894	8.611
Total Aroclor-1260			235	75	11.178	8.611
Average Aroclor-1260					5.589	8.611

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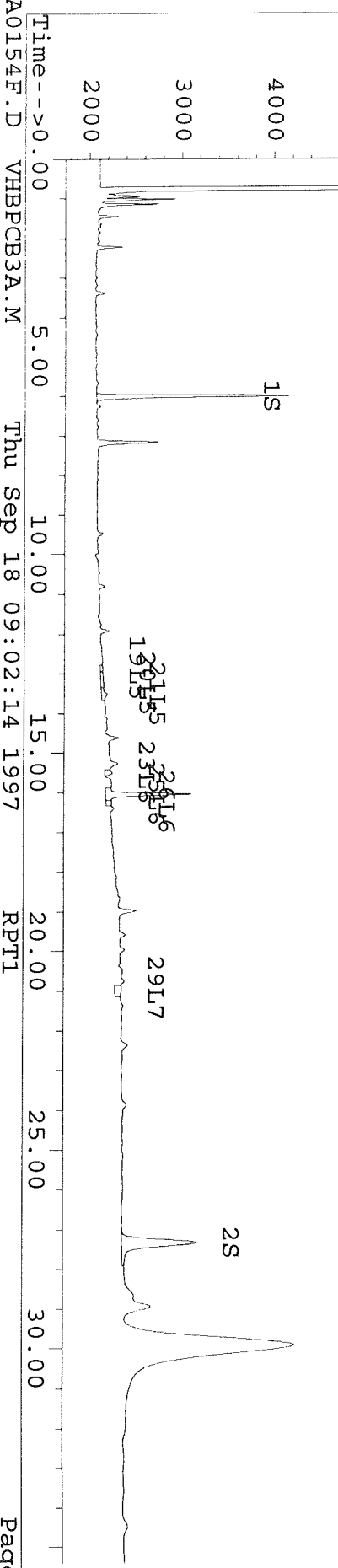
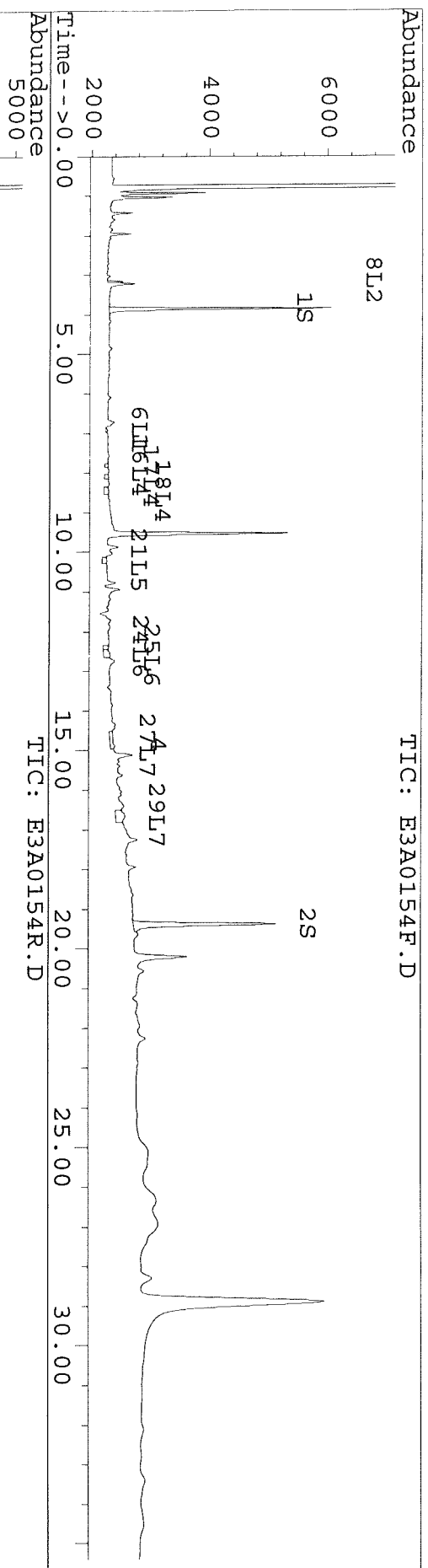
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0154F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0154F.D\E3A0154R.D Operator: JS
Acq On : 17 Sep 97 10:35 PM
Sample : D1414-08,G5-C1,P0912-B2 Inst : E3
Misc : 0,,2,,25000,,15.0,8,,12-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E3A0155F.D Vial: 18
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0155F.D\E3A0155R.D
 Acq On : 17 Sep 97 11:13 PM Operator: JS
 Sample : D1414-09,G8-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.85	6.01	113716	88492	17.866	19.098
			Recovery	=	89.33%	95.49%
2) S Decachlorobiphenyl	19.38	27.33f	129776	96807	16.085m	16.077m
			Recovery	=	80.43%	80.39%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	88	12	1.818	0.462 #
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	44	0	0.504	N.D. #
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	6.92	0.00	25	0	3.172	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.52	88	12	3.055	0.945 #
Total Aroclor-1016			113	12	6.227	0.945
Average Aroclor-1016					3.114	0.945
8) L2 Aroclor-1221	3.17f	0.00	158	0	24.995	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.38	0	361	N.D.	115.216 #
10) L2 Aroclor-1221 {3}	5.28	0.00	756	0	53.844	N.D. #
Total Aroclor-1221			913	361	78.839	115.216
Average Aroclor-1221					39.419	115.216
11) L3 Aroclor-1232	5.28	0.00	756	0	59.778	N.D. #
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	7.51	10.52	88	12	6.405	1.925 #
Total Aroclor-1232			843	12	66.183	1.925
Average Aroclor-1232					33.092	1.925
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	7.51	0.00	88	0	2.175	N.D. #
16) L4 Aroclor-1242 {3}	0.00	10.52	0	12	N.D.	0.672 #
17) L4 Aroclor 1242 {4}	8.13	0.00	123	0	8.211	N.D. #
18) L4 Aroclor 1242 {5}	8.46	0.00	165	0	9.035	N.D. #
Total Aroclor-1242			376	12	19.422	0.672
Average Aroclor-1242					6.474	0.672
19) L5 Aroclor-1248	0.00	12.87	0	36	N.D.	6.215 #
20) L5 Aroclor-1248 {2}	0.00	13.28	0	39	N.D.	5.155 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0155F.D Vial: 18
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0155F.D\E3A0155R.D
 Acq On : 17 Sep 97 11:13 PM Operator: JS
 Sample : D1414-09,G8-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	0.00	33	0	1.835	N.D. #
Total Aroclor-1248			33	75	1.835	11.370
Average Aroclor-1248					1.835	5.685
22) L6 Aroclor-1254	11.65	0.00	35	0	1.627	N.D. #
23) L6 Aroclor-1254 {2}	11.94	15.51	49	135	1.168	5.299 #
24) L6 Aroclor-1254 {3}	12.35	15.85	25	114	1.168	7.690 #
25) L6 Aroclor 1254 {4}	12.63	16.05	30	2901	1.235	302.914 #
26) L6 Aroclor 1254 {5}	12.99	0.00	29	0	1.593	N.D. #
Total Aroclor-1254			167	3150	6.792	315.903
Average Aroclor-1254					1.358	105.301
27) L7 Aroclor-1260	14.89	0.00	44	0	2.386	N.D. #
28) L7 Aroclor-1260 {2}	15.70	19.22	28	13	0.865	0.703
29) L7 Aroclor-1260 {3}	16.64	20.95	47	12	2.063	1.335 #
Total Aroclor-1260			119	24	5.313	2.038
Average Aroclor-1260					1.771	1.019

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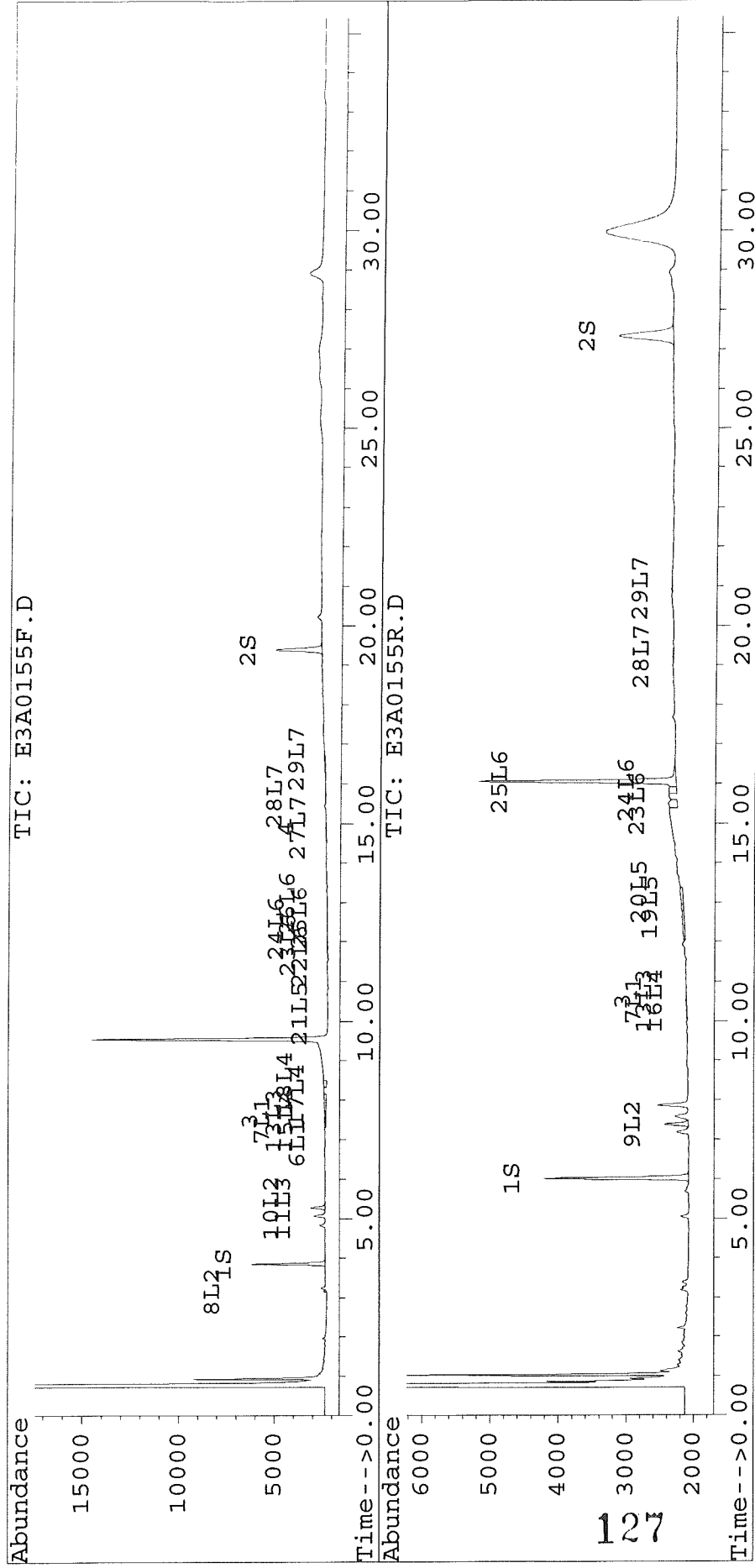
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0155F.D Vial: 18
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0155R.D
 Acq On : 17 Sep 97 11:13 PM Operator: JS
 Sample : D1414-09,G8-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,11,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0156F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0156F.D\E3A0156R.D
 Acq On : 17 Sep 97 11:51 PM Operator: JS
 Sample : D1414-10,G9-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,14,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	113513	86812	17.834	18.735
			Recovery	=	89.17%	93.68%
2) S Decachlorobiphenyl	19.39	27.35	132462	99813	16.418m	16.577
			Recovery	=	82.09%	82.89%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.50	10.51	2090	945	43.302	37.395
4) 2,2',3,3',4,4'-Hexa	14.89	18.90	789	393	9.057	8.779
5) L1 Aroclor-1016	6.28	9.37	927	492	50.268	50.625
6) L1 Aroclor-1016 {2}	6.90	10.04	299	296	38.066	87.606 #
7) L1 Aroclor-1016 {3}	7.50	10.51	2090	945	72.774	76.447
Total Aroclor-1016			3315	1734	161.107	214.678
Average Aroclor-1016					53.702	71.559
8) L2 Aroclor-1221	3.17f	0.00	169	0	26.764	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.38	0	643	N.D.	205.137 #
10) L2 Aroclor-1221 {3}	5.28	8.06	2517	129	179.341	19.064 #
Total Aroclor-1221			2685	772	206.105	224.201
Average Aroclor-1221					103.053	112.101
11) L3 Aroclor-1232	5.28	8.06	2517	129	204.306	20.249 #
12) L3 Aroclor-1232 {2}	6.28	9.37	927	492	102.517	97.723
13) L3 Aroclor-1232 {3}	7.50	10.51	2090	945	152.568	155.796
Total Aroclor-1232			5533	1567	459.390	273.768
Average Aroclor-1232					153.130	91.256
14) L4 Aroclor-1242	6.28	9.37	927	492	38.092	37.815
15) L4 Aroclor-1242 {2}	7.50	10.28	2090	186	51.820	28.001 #
16) L4 Aroclor-1242 {3}	7.84	10.51	413	945	24.980	54.413 #
17) L4 Aroclor 1242 {4}	8.12	11.01	652	193	43.410	22.090 #
18) L4 Aroclor 1242 {5}	8.43	11.46	1673	378	93.610	51.664m#
Total Aroclor-1242			5756	2194	251.911	193.983
Average Aroclor-1242					50.382	38.797
19) L5 Aroclor-1248	9.09	12.88	1506	470	97.323	82.143
20) L5 Aroclor-1248 {2}	9.34	13.30	1146	641	84.033	86.696

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0156F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0156F.D\E3A0156R.D
 Acq On : 17 Sep 97 11:51 PM Operator: JS
 Sample : D1414-10,G9-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,14,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.49	2203	513	126.184	61.984 #
Total Aroclor-1248			4855	1624	307.540	230.823
Average Aroclor-1248					102.513	76.941
22) L6 Aroclor-1254	11.64	15.18	1337	811	62.367	62.104
23) L6 Aroclor-1254 {2}	11.93	15.51	2711	1626	64.806	64.927
24) L6 Aroclor-1254 {3}	12.35	15.86	1315	1053	62.020	72.258
25) L6 Aroclor 1254 {4}	12.63	16.05	1756	1860	72.603	186.519 #
26) L6 Aroclor 1254 {5}	12.99	16.29	1169	701	66.254	67.565
Total Aroclor-1254			8288	6050	328.050	453.373
Average Aroclor-1254					65.610	90.675
27) L7 Aroclor-1260	14.89	18.78	789	105	42.861	11.421 #
28) L7 Aroclor-1260 {2}	15.70	19.21	439	221	13.446	12.235
29) L7 Aroclor-1260 {3}	16.65	20.92	352	149	15.547	17.081
Total Aroclor-1260			1580	475	71.853	40.737
Average Aroclor-1260					23.951	13.579

$133 \times \frac{5}{3} \times 15$

1242: $\frac{143.983 * 25}{15 * 0.86} = 320 \mu\text{g}/\text{cg}$ $\frac{430}{15} = 28.67$

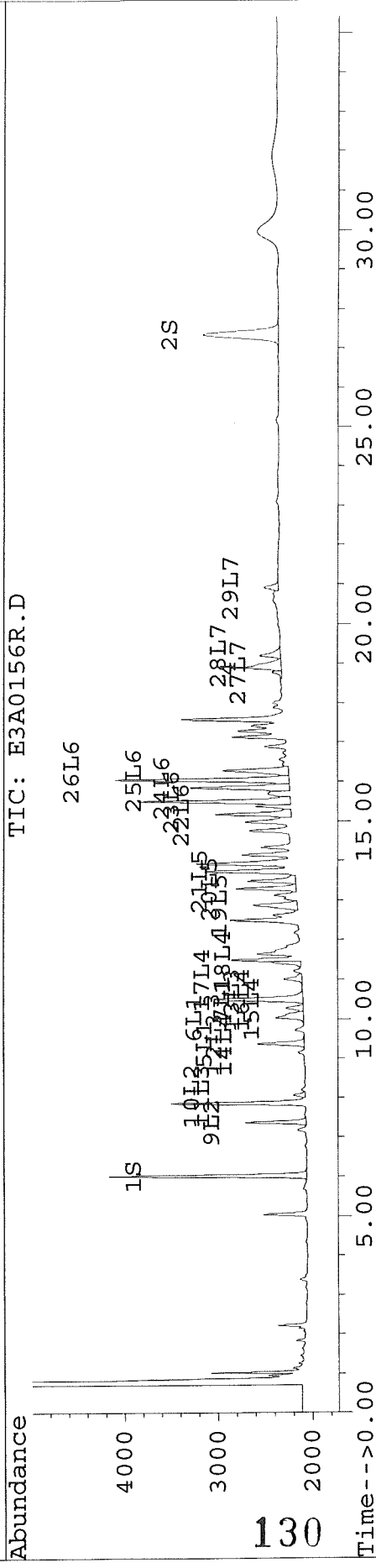
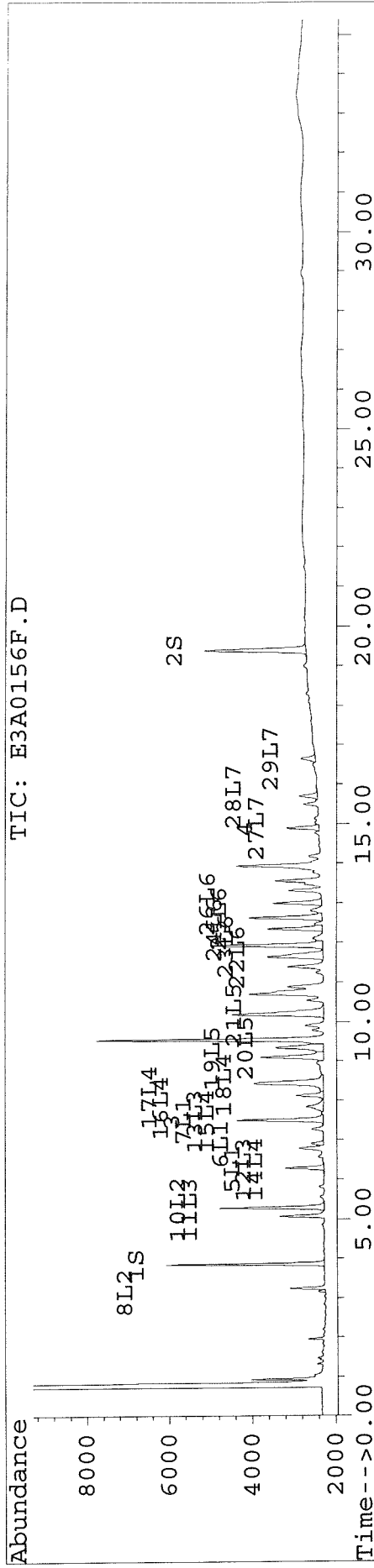
1254: $\frac{328.05 * 25}{15 * 0.86} = 640 \mu\text{g}/\text{cg}$

h

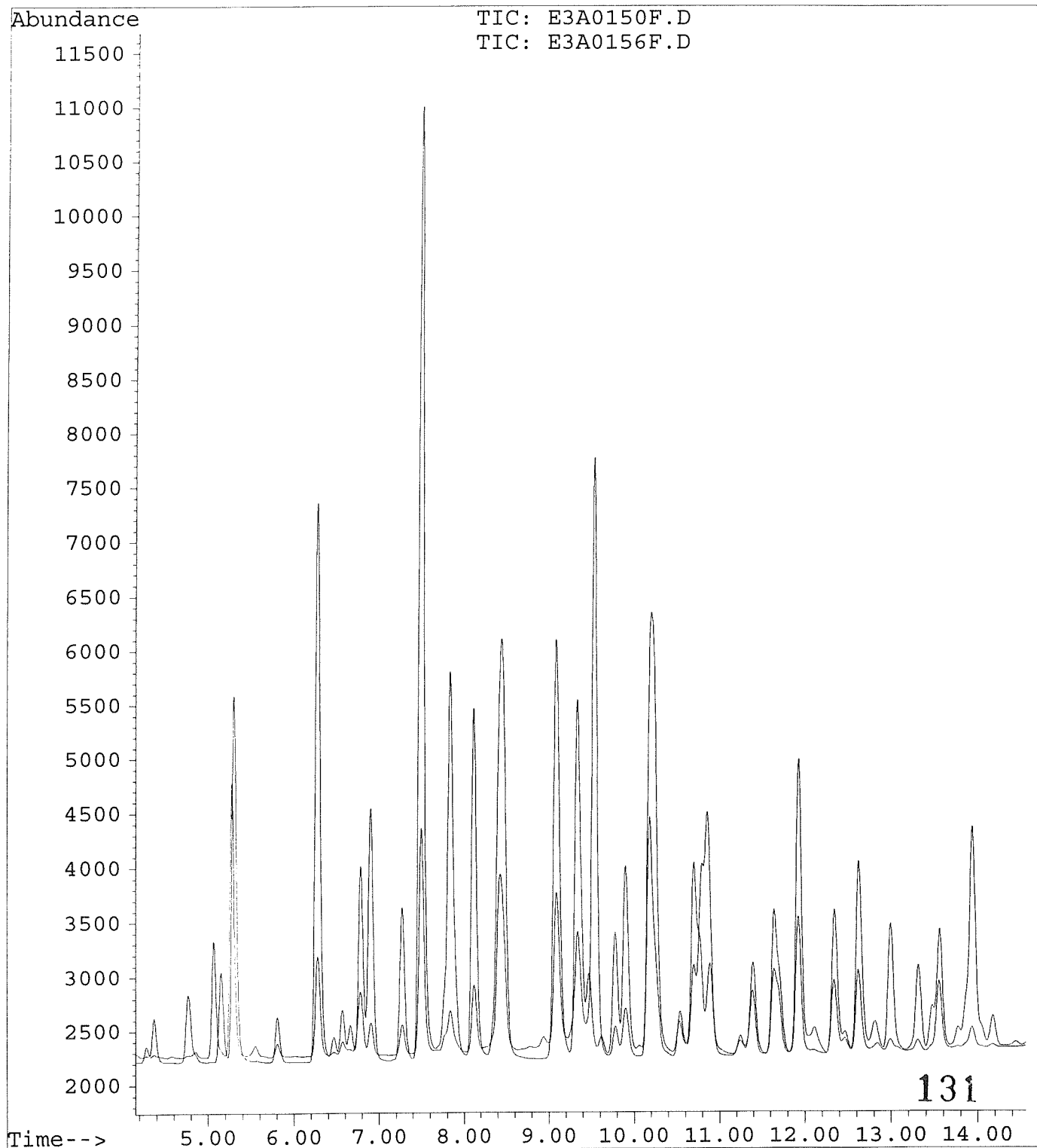
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0156F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0156R.D
 Acq On : 17 Sep 97 11:51 PM Operator: JS
 Sample : D1414-10,G9-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,14,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

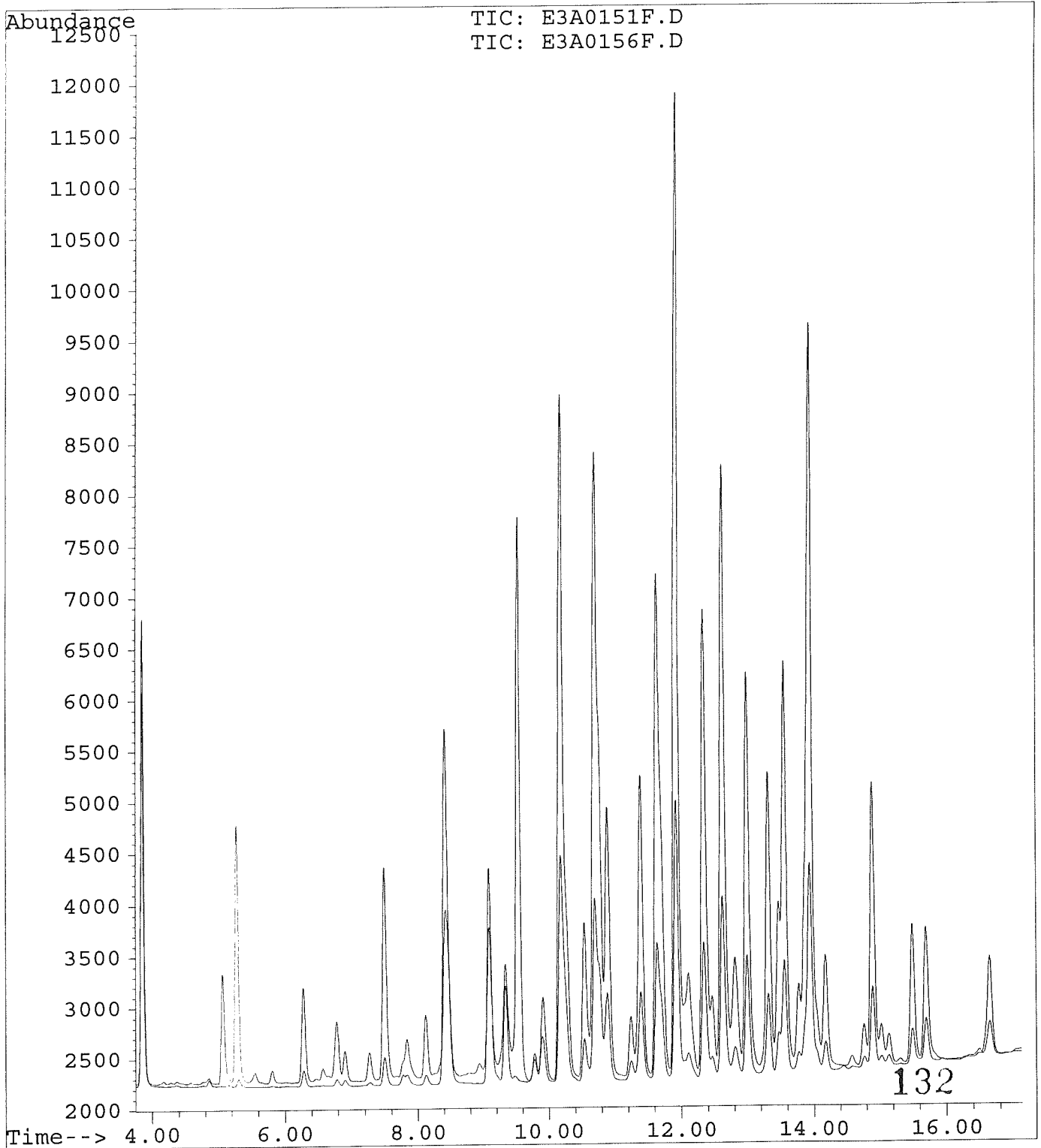
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D
Operator : JS
Acquired : 17 Sep 97 08:03 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1242AA,AR1242AA,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 13



File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D
Operator : JS
Acquired : 17 Sep 97 08:41 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1254AA,AR1254AA, ,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157F.D\E3A0157R.D
 Acq On : 18 Sep 97 00:29 AM Operator: JS
 Sample : D1414-11,G10-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.02	88180	75671	13.854m	16.331
			Recovery	=	69.27%	81.66%
2) S Decachlorobiphenyl	19.39	27.34f	112704	92647	13.969m	15.386
			Recovery	=	69.85%	76.93%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	384	127	7.957	5.008 #
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	168	0	1.930	N.D. #
5) L1 Aroclor-1016	6.29	0.00	60	0	3.213	N.D. #
6) L1 Aroclor-1016 {2}	6.92	0.00	117	0	14.860	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.52	384	127	13.373	10.238
Total Aroclor-1016			560	127	31.446	10.238
Average Aroclor-1016					10.482	10.238
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	7.38	0	175	N.D.	55.710 #
10) L2 Aroclor-1221 {3}	5.28	0.00	753	0	53.686	N.D. #
Total Aroclor-1221			753	175	53.686	55.710
Average Aroclor-1221					53.686	55.710
11) L3 Aroclor-1232	5.28	0.00	753	0	59.601	N.D. #
12) L3 Aroclor-1232 {2}	6.29	0.00	60	0	6.493	N.D. #
13) L3 Aroclor-1232 {3}	7.51	10.52	384	127	28.037	20.864 #
Total Aroclor-1232			1197	127	94.131	20.864
Average Aroclor-1232					31.377	20.864
14) L4 Aroclor-1242	6.29	0.00	60	0	2.432	N.D. #
15) L4 Aroclor-1242 {2}	7.51	0.00	384	0	9.523	N.D. #
16) L4 Aroclor-1242 {3}	0.00	10.52	0	127	N.D.	7.287 #
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	8.47	0.00	1577	0	88.085	N.D. #
Total Aroclor-1242			2021	127	100.040	7.287
Average Aroclor-1242					33.347	7.287
19) L5 Aroclor-1248	0.00	12.91	0	739	N.D.	130.164 #
20) L5 Aroclor-1248 {2}	0.00	13.31	0	930	N.D.	126.461 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157F.D\E3A0157R.D
 Acq On : 18 Sep 97 00:29 AM Operator: JS
 Sample : D1414-11,G10-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	0.00	188	0	10.603	N.D. #
Total Aroclor-1248			188	1670	10.603	256.626
Average Aroclor-1248					10.603	128.313
22) L6 Aroclor-1254	11.65	15.19	239	2011	11.128	158.438 #
23) L6 Aroclor-1254 {2}	11.93	15.50	303	2125	7.237	85.365 #
24) L6 Aroclor-1254 {3}	12.35	15.85	120	2017	5.545	140.970 #
25) L6 Aroclor 1254 {4}	12.63	16.05	176	27080	7.285	NoQuad #
26) L6 Aroclor 1254 {5}	13.00	0.00	118	0	6.560	N.D. #
Total Aroclor-1254			955	6153	37.755	383.773
Average Aroclor-1254					7.551	127.924
27) L7 Aroclor-1260	14.89	0.00	168	0	9.133	N.D. #
28) L7 Aroclor-1260 {2}	15.69	0.00	124	0	3.810	N.D. #
29) L7 Aroclor-1260 {3}	16.64	20.94	86	20	3.810	2.239 #
Total Aroclor-1260			379	20	16.752	2.239
Average Aroclor-1260					5.584	2.239

(31)

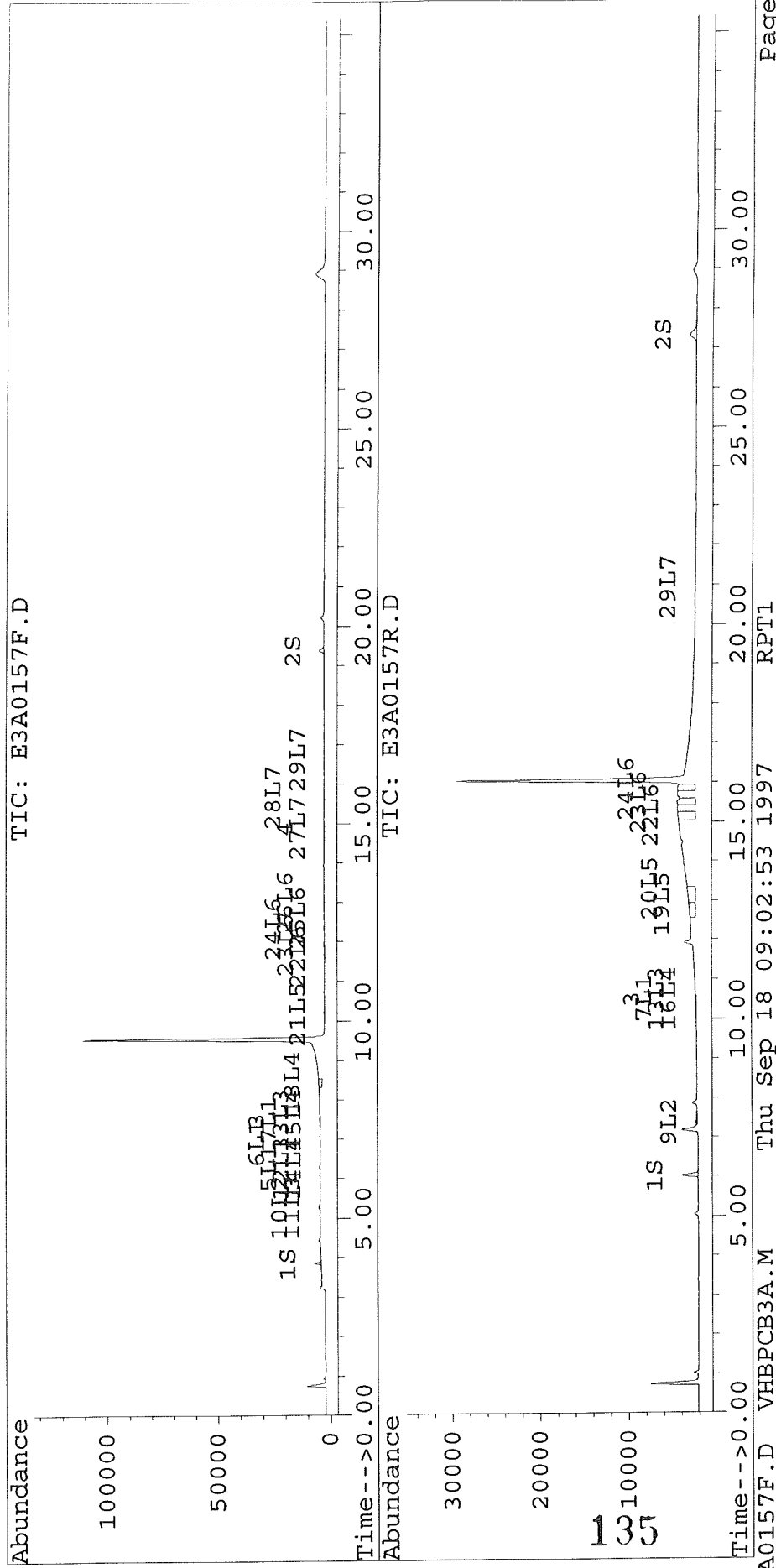
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0157R.D
 Acq On : 18 Sep 97 00:29 AM Operator: JS
 Sample : D1414-11,G10-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158F.D\E3A0158R.D
 Acq On : 18 Sep 97 01:07 AM Operator: JS
 Sample : D1414-12,H4-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,19,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	115030	89561	18.073	19.328
			Recovery	=	90.37%	96.64%
2) S Decachlorobiphenyl	19.38f	27.32f	136163	104300	16.877	17.322m
			Recovery	=	84.39%	86.61%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.50	10.48f	267	37	5.526	1.445 #
4) 2,2',3,3',4,4'-Hexa	14.88	0.00	64	0	0.735	N.D. #
5) L1 Aroclor-1016	6.28	9.37	378	149	20.395	15.227 #
6) L1 Aroclor-1016 {2}	6.90	0.00	266	0	33.887	N.D. #
7) L1 Aroclor-1016 {3}	7.50	10.48	267	37	9.287	2.955 #
Total Aroclor-1016			910	186	63.569	18.182
Average Aroclor-1016					21.190	9.091
8) L2 Aroclor-1221	3.17f	0.00	224	0	35.589	N.D. #
9) L2 Aroclor-1221 {2}	0.00	7.37	0	43	N.D.	13.625 #
10) L2 Aroclor-1221 {3}	5.27	0.00	170	0	12.112	N.D. #
Total Aroclor-1221			394	43	47.700	13.625
Average Aroclor-1221					23.850	13.625
11) L3 Aroclor-1232	5.27f	0.00	170	0	13.337	N.D. #
12) L3 Aroclor-1232 {2}	6.28	9.37	378	149	41.347	29.201 #
13) L3 Aroclor-1232 {3}	7.50	10.48	267	37	19.470	6.022 #
Total Aroclor-1232			815	186	74.155	35.223
Average Aroclor-1232					24.718	17.611
14) L4 Aroclor-1242	6.28	9.37	378	149	15.444	11.366 #
15) L4 Aroclor-1242 {2}	7.50	10.29	267	76	6.613	11.489 #
16) L4 Aroclor-1242 {3}	7.83	10.48	313	37	18.920	2.103 #
17) L4 Aroclor 1242 {4}	8.13	11.05f	341	26	22.696	2.950 #
18) L4 Aroclor 1242 {5}	8.45	0.00	420	0	23.046	N.D. #
Total Aroclor-1242			1719	288	86.719	27.909
Average Aroclor-1242					17.344	6.977
19) L5 Aroclor-1248	0.00	12.87	0	78	N.D.	13.567 #
20) L5 Aroclor-1248 {2}	0.00	13.27	0	94	N.D.	12.577 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158F.D\E3A0158R.D
 Acq On : 18 Sep 97 01:07 AM Operator: JS
 Sample : D1414-12,H4-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,19,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

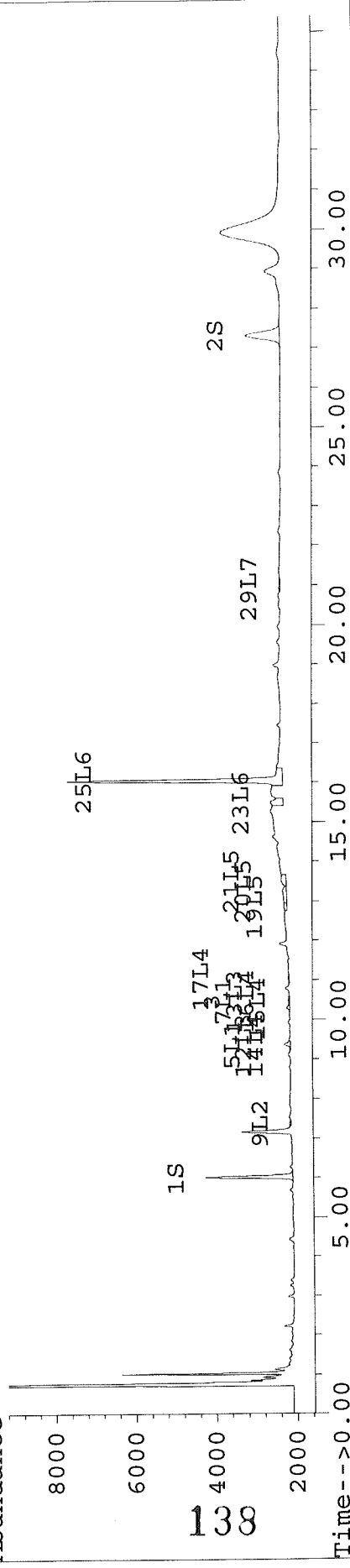
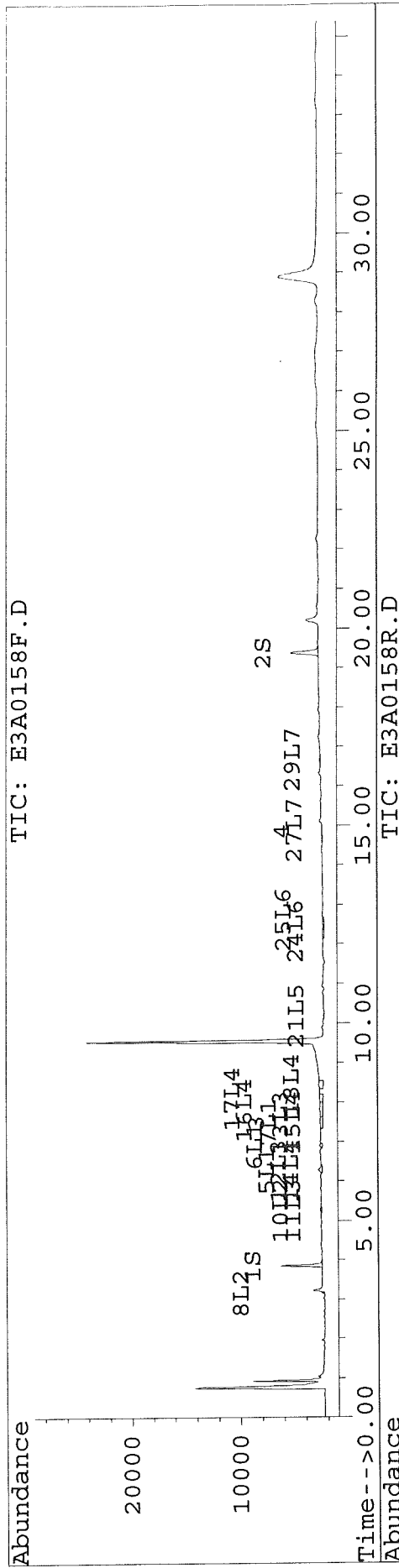
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.52	78	129	4.405	15.465 #
Total Aroclor-1248			78	301	4.405	41.609
Average Aroclor-1248					4.405	13.870
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	15.49	0	324	N.D.	12.746 #
24) L6 Aroclor-1254 {3}	12.33	0.00	131	0	6.102	N.D. #
25) L6 Aroclor 1254 {4}	12.62	16.04	131	5366	5.397	634.294 #
26) L6 Aroclor 1254 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			262	5690	11.498	647.040
Average Aroclor-1254					5.749	323.520
27) L7 Aroclor-1260	14.88	0.00	64	0	3.477	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	16.66	20.93	76	38	3.370	4.374 #
Total Aroclor-1260			140	38	6.847	4.374
Average Aroclor-1260					3.423	4.374

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0158R.D
 Acq On : 18 Sep 97 01:07 AM Operator: JS
 Sample : D1414-12,H4-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,19,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0159F.D Vial: 22
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0159F.D\E3A0159R.D
 Acq On : 18 Sep 97 01:45 AM Operator: JS
 Sample : D1414-13,H5-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,19,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.02	105743	73752	16.614m	15.917m
			Recovery	=	83.07%	79.58%
2) S Decachlorobiphenyl	19.39	27.34f	109114	86441	13.524m	14.356m
			Recovery	=	67.62%	71.78%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.50	10.52	7989	884	165.528	34.946 #
4) 2,2',3,3',4,4'-Hexa	14.89	0.00	710	0	8.147	N.D. #
5) L1 Aroclor-1016	6.28	9.38	8213	627	481.974	64.647 #
6) L1 Aroclor-1016 {2}	6.92	0.00	7638	0	973.906	N.D. #
7) L1 Aroclor-1016 {3}	7.50	10.52	7989	884	278.186	71.442 #
Total Aroclor-1016			23840	1511	1734.067	136.089
Average Aroclor-1016					578.022	68.045
8) L2 Aroclor-1221	0.00	5.24	0	191	N.D.	62.301 #
9) L2 Aroclor-1221 {2}	4.75	0.00	8573	0	1566.551	N.D. #
10) L2 Aroclor-1221 {3}	5.26f	0.00	8913	0	635.148	N.D. #
Total Aroclor-1221			17486	191	2201.699	62.301
Average Aroclor-1221					1100.849	62.301
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	6.28	9.38	8213	627	1116.107	125.128 #
13) L3 Aroclor-1232 {3}	7.50	10.52	7989	884	583.206	145.596 #
Total Aroclor-1232			16202	1511	1699.313	270.724
Average Aroclor-1232					849.656	135.362
14) L4 Aroclor-1242	6.28	9.38	8213	627	369.827	48.303 #
15) L4 Aroclor-1242 {2}	7.50	0.00	7989	0	198.087	N.D. #
16) L4 Aroclor-1242 {3}	7.85	10.52	7838	884	473.486	50.850 #
17) L4 Aroclor 1242 {4}	0.00	11.03	0	962	N.D.	110.093 #
18) L4 Aroclor 1242 {5}	8.50f	0.00	8552	0	542.829	N.D. #
Total Aroclor-1242			32592	2473	1584.229	209.247
Average Aroclor-1242					396.057	69.749
19) L5 Aroclor-1248	0.00	12.89	0	2479	N.D.	458.815 #
20) L5 Aroclor-1248 {2}	0.00	13.28	0	2937	N.D.	415.826 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0159F.D Vial: 22
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0159F.D\E3A0159R.D
 Acq On : 18 Sep 97 01:45 AM Operator: JS
 Sample : D1414-13,H5-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,19,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	0.00	266	0	15.018	N.D. #
Total Aroclor-1248			266	5416	15.018	874.640
Average Aroclor-1248					15.018	437.320
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	15.50	0	6162	N.D.	260.628 #
24) L6 Aroclor-1254 {3}	12.37	0.00	479	0	22.337	N.D. #
25) L6 Aroclor 1254 {4}	12.64	16.05	606	63115	25.068	NoQuad #
26) L6 Aroclor 1254 {5}	13.00	0.00	622	0	34.927	N.D. #
Total Aroclor-1254			1707	6162	82.331	259.628
Average Aroclor-1254					27.444	259.628
27) L7 Aroclor-1260	14.89	0.00	710	0	38.550	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	16.66	20.96	416	34	18.373	3.847 #
Total Aroclor-1260			1125	34	56.924	3.847
Average Aroclor-1260					28.462	3.847

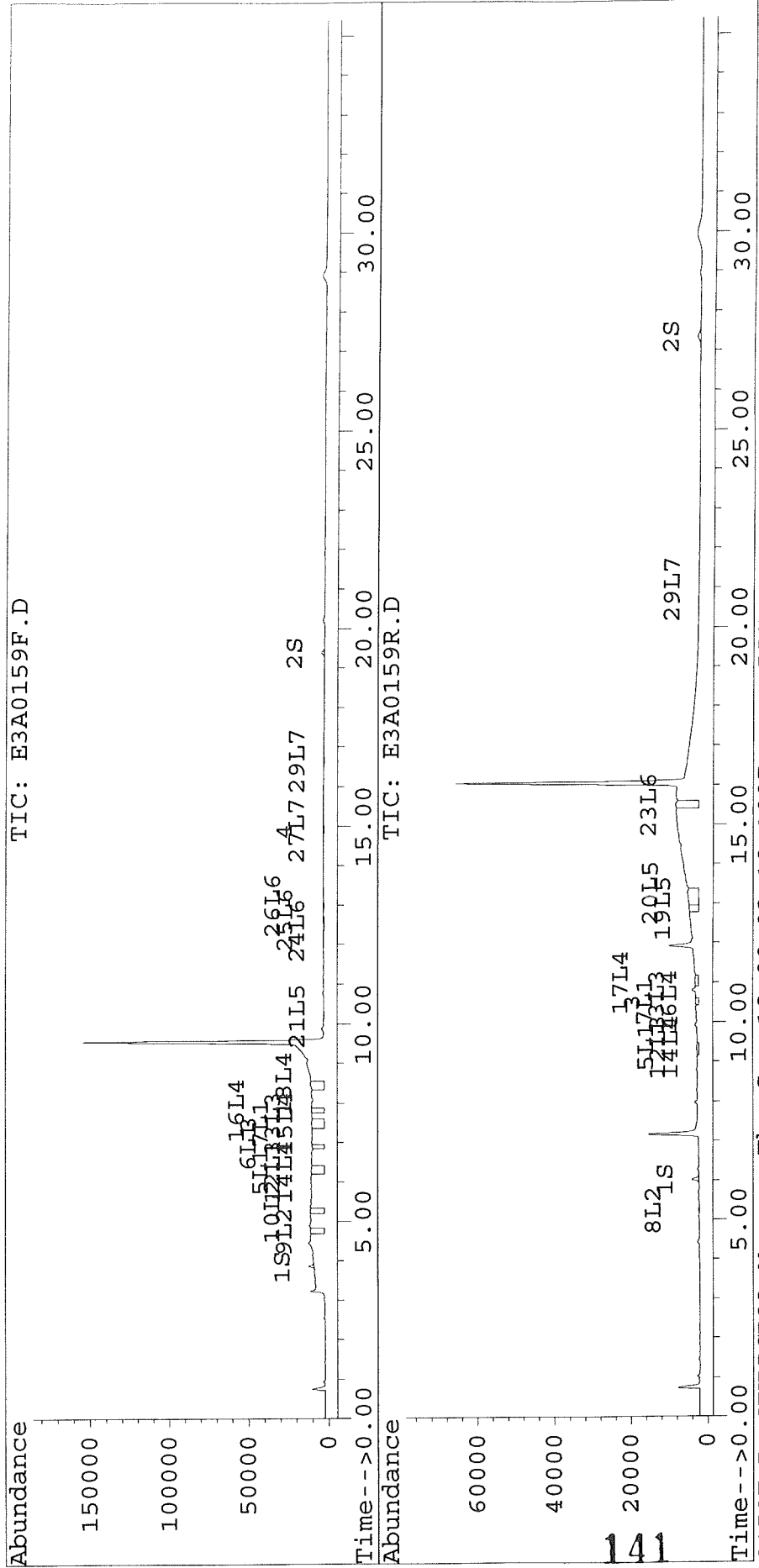
20

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0159F.D Vial: 22
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0159R.D
 Acq On : 18 Sep 97 01:45 AM Operator: JS
 Sample : D1414-13,H5-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,19,,12-SEP-97,11-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D\E3A0160R.D
 Acq On : 18 Sep 97 02:22 AM Operator: JS
 Sample : D1414-14,H6-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.84	6.00	107290	88106	16.857m	19.014m
			Recovery	=	84.29%	95.07%
2) S Decachlorobiphenyl	19.38f	27.33f	130739	103430	16.205m	17.177m
			Recovery	=	81.02%	85.89%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.50	0.00	4300	0	89.096	N.D. #
4) 2,2',3,3',4,4'-Hexa	14.89	18.90	478	396	5.483	8.846 #
5) L1 Aroclor-1016	6.30	9.37	1567	317	85.494	32.472 #
6) L1 Aroclor-1016 {2}	6.91	10.09f	718	6199	91.499	1833.772 #
7) L1 Aroclor-1016 {3}	7.50	0.00	4300	0	149.735	N.D. #
Total Aroclor-1016			6584	6516	326.729	1866.243
Average Aroclor-1016					108.910	933.122
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	7.37	0	248	N.D.	79.090 #
10) L2 Aroclor-1221 {3}	5.27	0.00	5108	0	363.996	N.D. #
Total Aroclor-1221			5108	248	363.996	79.090
Average Aroclor-1221					363.996	79.090
11) L3 Aroclor-1232	5.27f	0.00	5108	0	432.500	N.D. #
12) L3 Aroclor-1232 {2}	6.30	9.37	1567	317	175.639	62.469 #
13) L3 Aroclor-1232 {3}	7.50	0.00	4300	0	313.914	N.D. #
Total Aroclor-1232			10974	317	922.052	62.469
Average Aroclor-1232					307.351	62.469
14) L4 Aroclor-1242	6.30	9.37	1567	317	64.841	24.247 #
15) L4 Aroclor-1242 {2}	7.50	10.28	4300	204	106.621	30.822 #
16) L4 Aroclor-1242 {3}	7.83	0.00	830	0	50.117	N.D. #
17) L4 Aroclor 1242 {4}	8.12	0.00	982	0	65.359	N.D. #
18) L4 Aroclor 1242 {5}	8.45	0.00	1534	0	85.661	N.D. #
Total Aroclor-1242			9213	521	372.599	55.069
Average Aroclor-1242					74.520	27.534
19) L5 Aroclor-1248	9.09	12.85f	1816	2912	117.684	546.507 #
20) L5 Aroclor-1248 {2}	0.00	13.28	0	579	N.D.	78.217 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D\E3A0160R.D
 Acq On : 18 Sep 97 02:22 AM Operator: JS
 Sample : D1414-14,H6-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	13.48	1048	640	59.553	77.555 #
Total Aroclor-1248			2864	4132	177.238	702.279
Average Aroclor-1248					88.619	234.093
22) L6 Aroclor-1254	11.64	15.18	461	827	21.486	63.353 #
23) L6 Aroclor-1254 {2}	11.92	15.50	1250	1218	29.890	48.415 #
24) L6 Aroclor-1254 {3}	12.34	15.85	687	890	32.134	60.866 #
25) L6 Aroclor 1254 {4}	12.62	16.04	790	7802	32.682	1176.852
26) L6 Aroclor 1254 {5}	12.98	16.28	520	711	29.158	68.561 #
Total Aroclor-1254			3709	11447	145.351	1418.048
Average Aroclor-1254					29.070	283.610
27) L7 Aroclor-1260	14.89	18.75	478	343	25.947	37.393 #
28) L7 Aroclor-1260 {2}	15.69	19.20	438	403	13.418	22.303 #
29) L7 Aroclor-1260 {3}	16.64	20.93	406	263	17.955	30.043 #
Total Aroclor-1260			1322	1008	57.319	89.740
Average Aroclor-1260					19.106	29.913

1254 $\frac{145.351 * 25}{1.5 * 0.88} = 280 \mu\text{g/kg}$

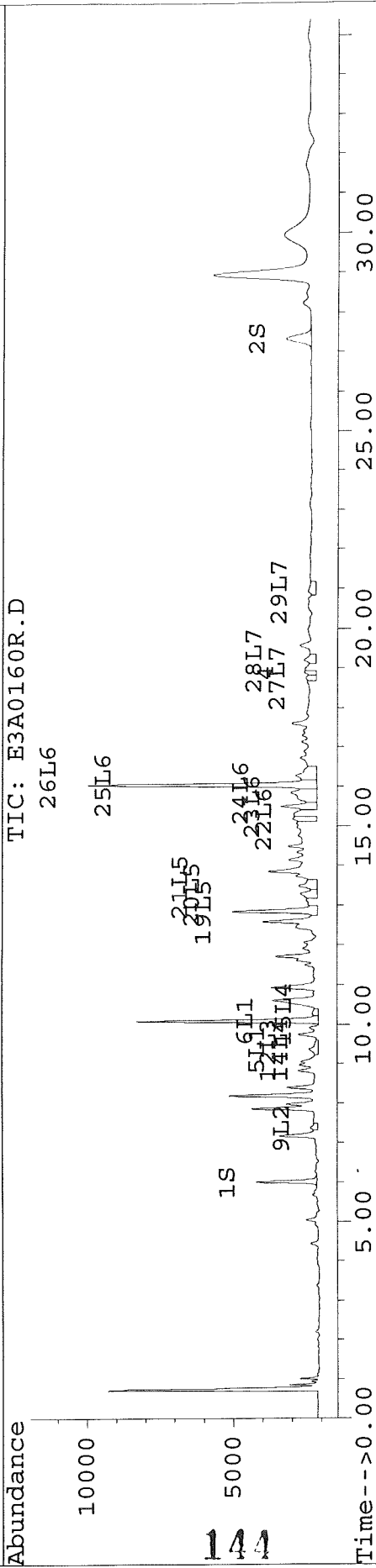
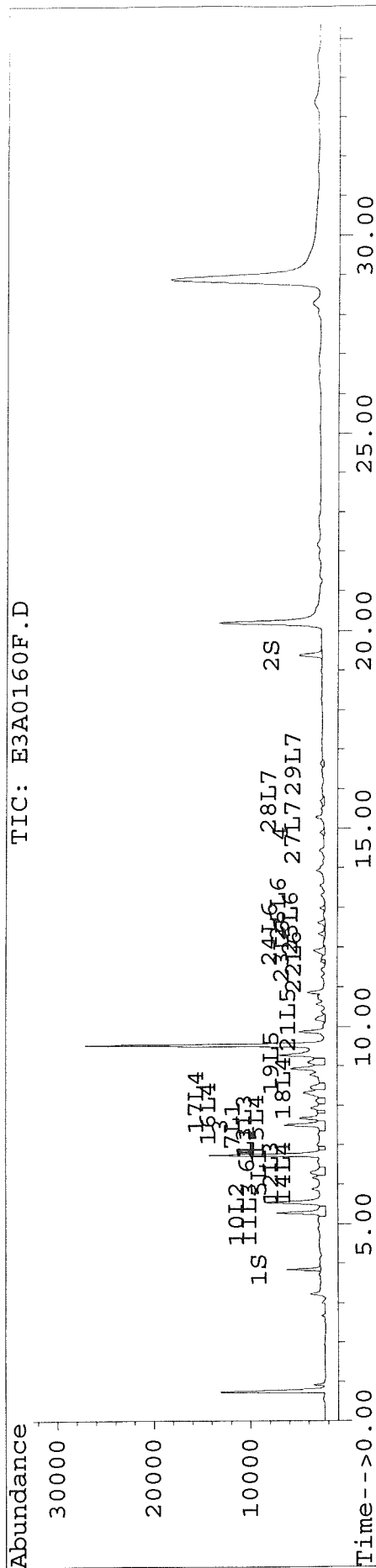
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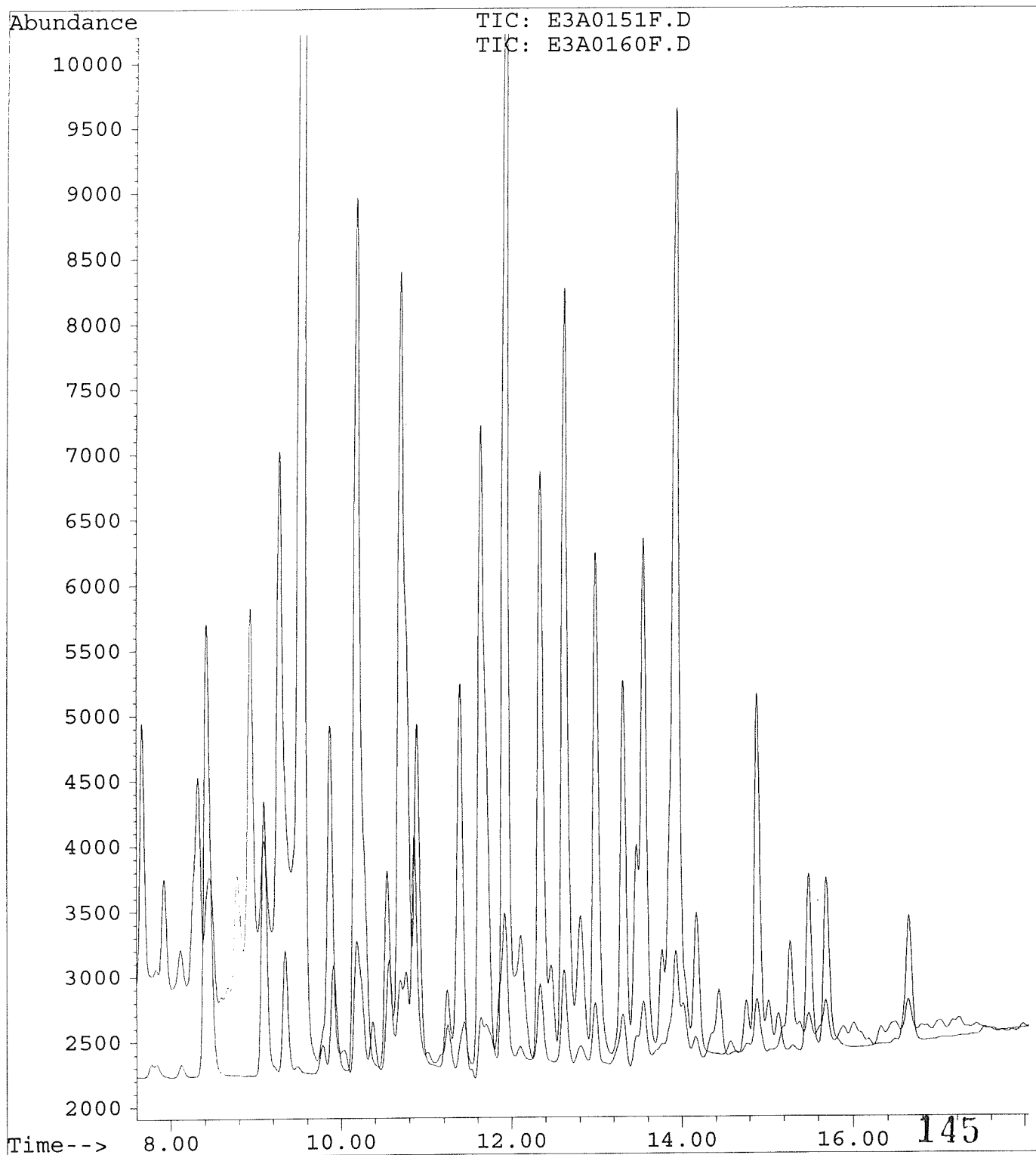
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0160F.D\E3A0160R.D
 Acq On : 18 Sep 97 02:22 AM Operator: JS
 Sample : D1414-14,H6-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D
Operator : JS
Acquired : 17 Sep 97 08:41 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1254AA,AR1254AA,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D\E3A0161R.D
 Acq On : 18 Sep 97 03:00 AM Operator: JS
 Sample : D1414-15,H8-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.01	122932	102138	19.314	22.043
			Recovery	=	96.57%	110.22%
2) S Decachlorobiphenyl	19.39	27.33f	141459	114542	17.533m	19.023m
			Recovery	=	87.67%	95.11%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	957	398	19.826	15.756
4) 2,2',3,3',4,4'-Hexa	14.89	18.90	424	315	4.865	7.035 #
5) L1 Aroclor-1016	6.29	9.38	270	126	14.566	12.860
6) L1 Aroclor-1016 {2}	6.92	0.00	173	0	22.110	N.D. #
7) L1 Aroclor-1016 {3}	7.51	10.52	957	398	33.320	32.211
Total Aroclor-1016			1401	524	69.996	45.071
Average Aroclor-1016					23.332	22.535
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	7.38	0	563	N.D.	179.766 #
10) L2 Aroclor-1221 {3}	5.28	8.06	3016	34	214.910	4.976 #
Total Aroclor-1221			3016	597	214.910	184.742
Average Aroclor-1221					214.910	92.371
11) L3 Aroclor-1232	5.28	8.06	3016	34	246.718	5.271 #
12) L3 Aroclor-1232 {2}	6.29	9.38	270	126	29.497	24.651
13) L3 Aroclor-1232 {3}	7.51	10.52	957	398	69.854	65.645
Total Aroclor-1232			4243	558	346.069	95.566
Average Aroclor-1232					115.356	31.855
14) L4 Aroclor-1242	6.29	9.38	270	126	11.028	9.599
15) L4 Aroclor-1242 {2}	7.51	10.29	957	94	23.726	14.125 #
16) L4 Aroclor-1242 {3}	7.84	10.52	341	398	20.608	22.927
17) L4 Aroclor 1242 {4}	8.13	11.01	483	118	32.143	13.481 #
18) L4 Aroclor 1242 {5}	8.45	0.00	718	0	39.611	N.D. #
Total Aroclor-1242			2769	736	127.116	60.131
Average Aroclor-1242					25.423	15.033
19) L5 Aroclor-1248	9.10	12.87	908	330	58.371	57.548
20) L5 Aroclor-1248 {2}	9.35	13.30	972	301	71.161	40.369 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D\E3A0161R.D
 Acq On : 18 Sep 97 03:00 AM Operator: JS
 Sample : D1414-15,H8-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.19	13.49	673	320	38.140	38.484
Total Aroclor-1248			2553	950	167.673	136.401
Average Aroclor-1248					55.891	45.467
22) L6 Aroclor-1254	11.65	15.18	463	459	21.593	34.887 #
23) L6 Aroclor-1254 {2}	11.93	15.50	888	688	21.217	27.184 #
24) L6 Aroclor-1254 {3}	12.35	15.86	541	515	25.250	34.962 #
25) L6 Aroclor 1254 {4}	12.63	16.05	606	4084	25.067	449.598 #
26) L6 Aroclor 1254 {5}	12.99	16.29	450	391	25.194	37.339 #
Total Aroclor-1254			2948	6136	118.321	583.970
Average Aroclor-1254					23.664	116.794
27) L7 Aroclor-1260	14.89	18.78	424	247	23.024	26.966
28) L7 Aroclor-1260 {2}	15.70	19.21	350	282	10.726	15.620 #
29) L7 Aroclor-1260 {3}	16.65	20.93	688	224	30.418	25.586
Total Aroclor-1260			1462	753	64.168	68.172
Average Aroclor-1260					21.389	22.724

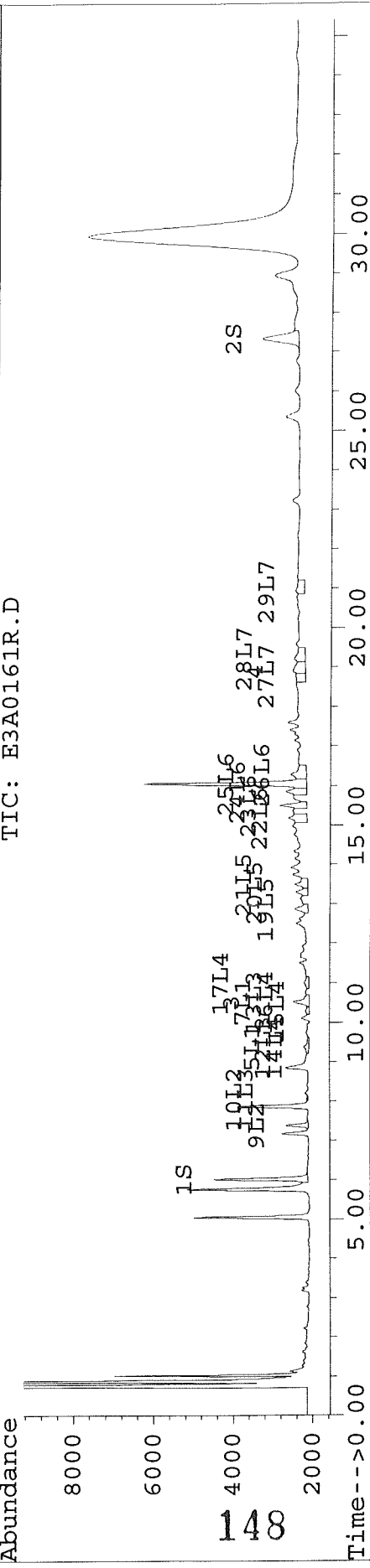
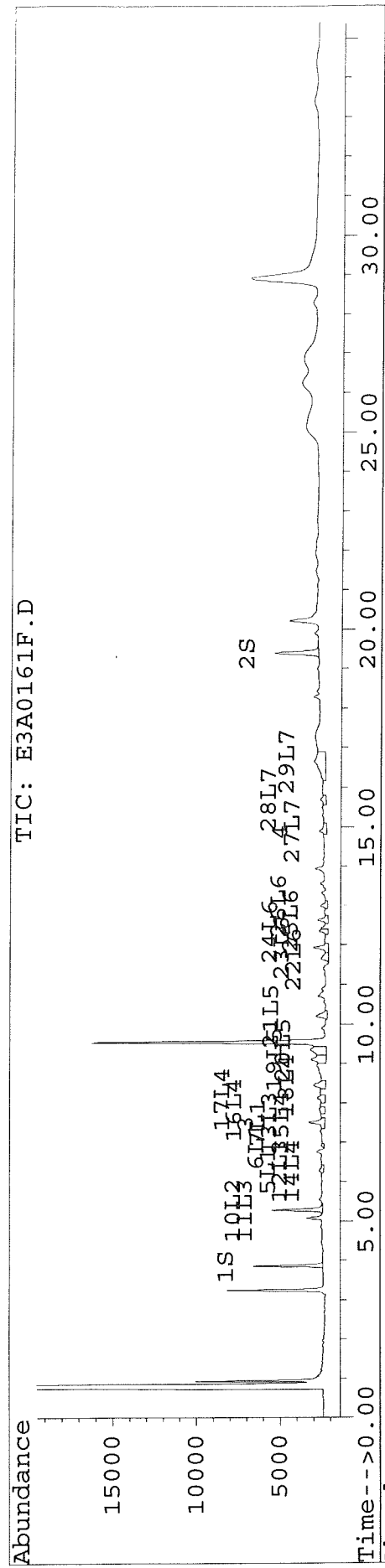
1254:
$$\frac{118.321 * 25}{15 * 0.87} = 230. \mu\text{g}/\text{kg}$$

Handwritten initials and a circled 'GU'.

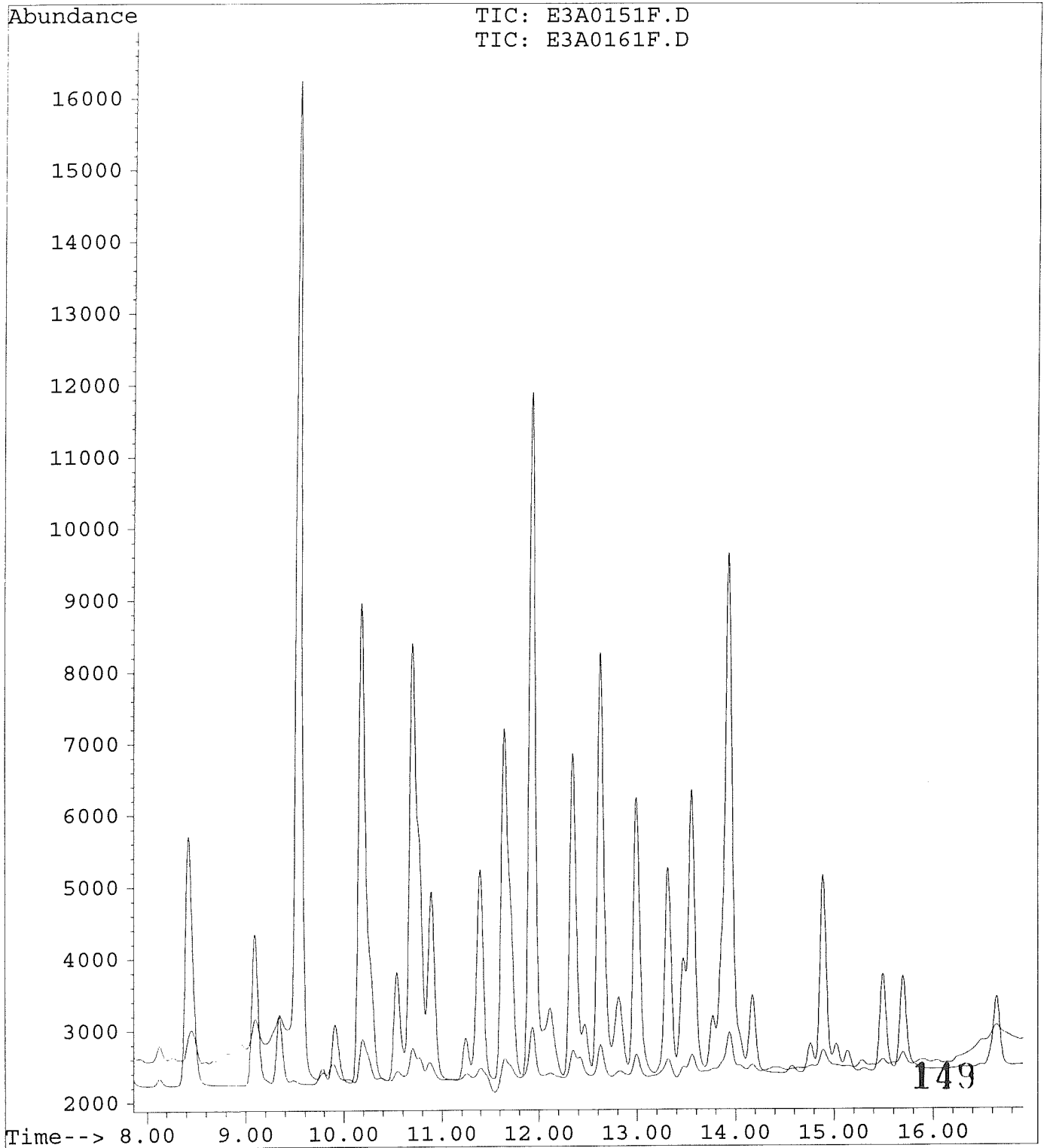
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0161F.D\E3A0161R.D
 Acq On : 18 Sep 97 03:00 AM Operator: JS
 Sample : D1414-15,H8-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 8:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



File : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D
Operator : JS
Acquired : 17 Sep 97 08:41 PM using AcqMethod VHBPCB3A.MTH
Instrument : E3
Sample Name: AR1254AA,AR1254AA,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D\E3A0162R.D
 Acq On : 18 Sep 97 08:36 AM Operator: JS
 Sample : D1414-16, I1-C1, P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.87	6.01	108982	81060	17.122	17.494
			Recovery	=	85.61%	87.47%
2) S Decachlorobiphenyl	19.40	27.36	130802	115883	16.213	19.245
			Recovery	=	81.07%	96.23%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.52	10.51	717	200	14.847	7.921 #
4) 2,2',3,3',4,4'-Hexa	14.90	0.00	230	0	2.637	N.D. #
5) L1 Aroclor-1016	6.30	9.37	203	36	10.947	3.620 #
6) L1 Aroclor-1016 {2}	6.93	0.00	196	0	25.039	N.D. #
7) L1 Aroclor-1016 {3}	7.52	10.51	717	200	24.952	16.193 #
Total Aroclor-1016			1116	236	60.937	19.813
Average Aroclor-1016					20.312	9.906
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	7.37	0	48	N.D.	15.201 #
10) L2 Aroclor-1221 {3}	5.31	0.00	101	0	7.179	N.D. #
Total Aroclor-1221			101	48	7.179	15.201
Average Aroclor-1221					7.179	15.201
11) L3 Aroclor-1232	5.31	0.00	101	0	7.898	N.D. #
12) L3 Aroclor-1232 {2}	6.30	9.37	203	36	22.152	6.928 #
13) L3 Aroclor-1232 {3}	7.52	10.51	717	200	52.311	33.000 #
Total Aroclor-1232			1021	236	82.362	39.928
Average Aroclor-1232					27.454	19.964
14) L4 Aroclor-1242	6.30	9.37	203	36	8.287	2.702 #
15) L4 Aroclor-1242 {2}	7.52	10.27	717	29	17.767	4.427 #
16) L4 Aroclor-1242 {3}	7.86	10.51	329	200	19.899	11.525 #
17) L4 Aroclor 1242 {4}	8.14	11.00	441	49	29.325	5.663 #
18) L4 Aroclor 1242 {5}	8.47	0.00	633	0	34.872	N.D. #
Total Aroclor-1242			2323	315	110.151	24.318
Average Aroclor-1242					22.030	6.079
19) L5 Aroclor-1248	9.12	12.86	899	248	57.743	43.154 #
20) L5 Aroclor-1248 {2}	9.36	13.30	1073	199	78.659	26.700 #

150

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D\E3A0162R.D
 Acq On : 18 Sep 97 08:36 AM Operator: JS
 Sample : D1414-16, I1-C1, P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

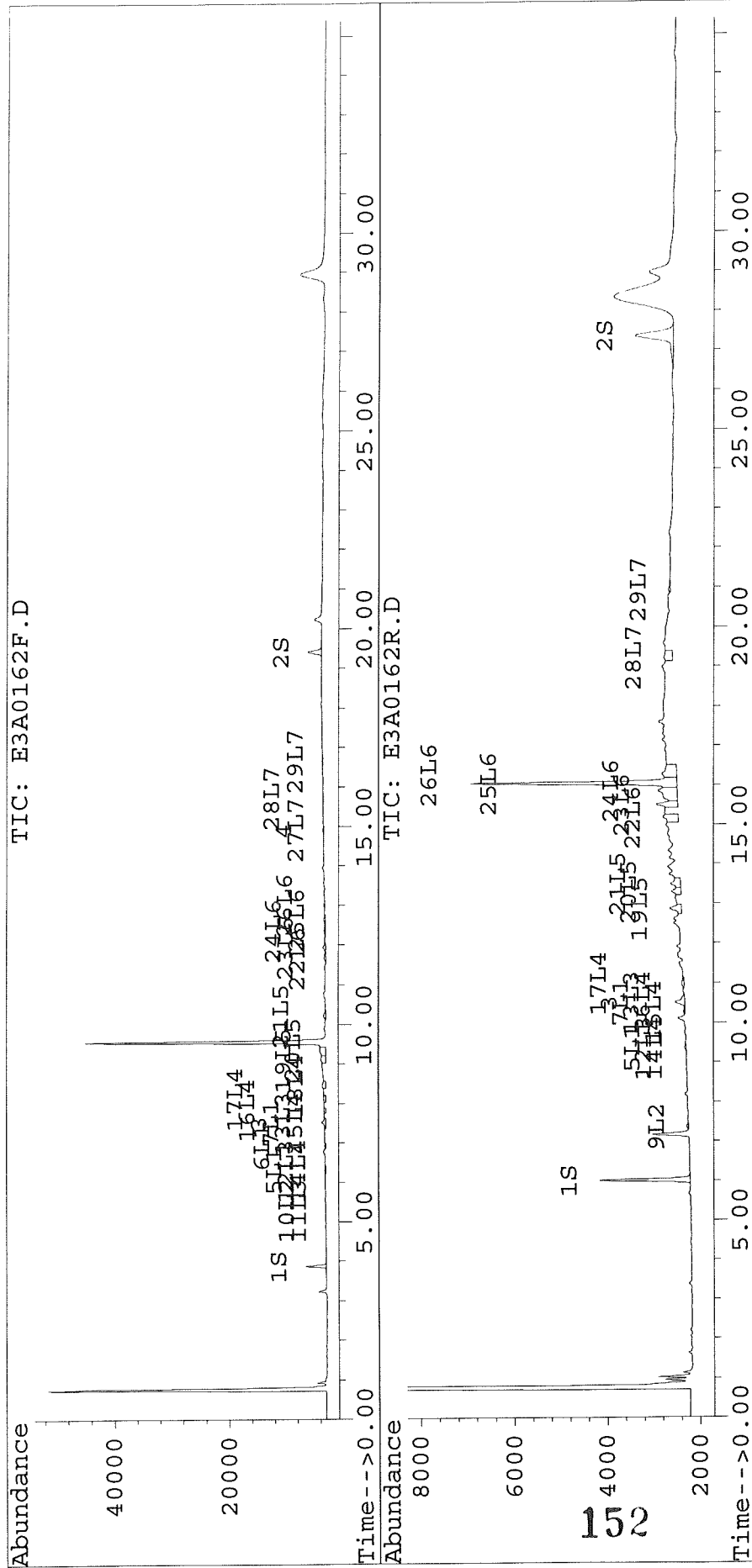
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.21	13.49	413	215	23.399	25.788
Total Aroclor-1248			2385	662	159.801	95.642
Average Aroclor-1248					53.267	31.881
22) L6 Aroclor-1254	11.66	15.18	299	332	13.953	25.146 #
23) L6 Aroclor-1254 {2}	11.95	15.51	499	469	11.928	18.481 #
24) L6 Aroclor-1254 {3}	12.36	15.86	297	415	13.808	28.130 #
25) L6 Aroclor 1254 {4}	12.64	16.05	334	4433	13.808	496.738 #
26) L6 Aroclor 1254 {5}	13.01	16.29	234	319	13.085	30.397 #
Total Aroclor-1254			1663	5967	66.582	598.893
Average Aroclor-1254					13.316	119.779
27) L7 Aroclor-1260	14.90	0.00	230	0	12.478	N.D. #
28) L7 Aroclor-1260 {2}	15.71	19.21	138	191	4.232	10.567 #
29) L7 Aroclor-1260 {3}	16.66	20.94	117	44	5.191	4.994
Total Aroclor-1260			485	235	21.901	15.561
Average Aroclor-1260					7.300	7.781

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0162F.D\E3A0162R.D
 Acq On : 18 Sep 97 08:36 AM Operator: JS
 Sample : D1414-16, I1-C1, P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0168F.D Vial: 31
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0168F.D\E3A0168R.D
 Acq On : 18 Sep 97 12:27 PM Operator: JS
 Sample : D1414-17,I2-C1,P0912-B2 Inst : E3
 Misc : 0,,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.01	121040	89266	19.017	19.265
			Recovery	=	95.08%	96.33%
2) S Decachlorobiphenyl	19.38	27.33f	148392	109320	18.393m	18.155m
			Recovery	=	91.97%	90.78%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0168F.D Vial: 31
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0168F.D\E3A0168R.D
 Acq On : 18 Sep 97 12:27 PM Operator: JS
 Sample : D1414-17,I2-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
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

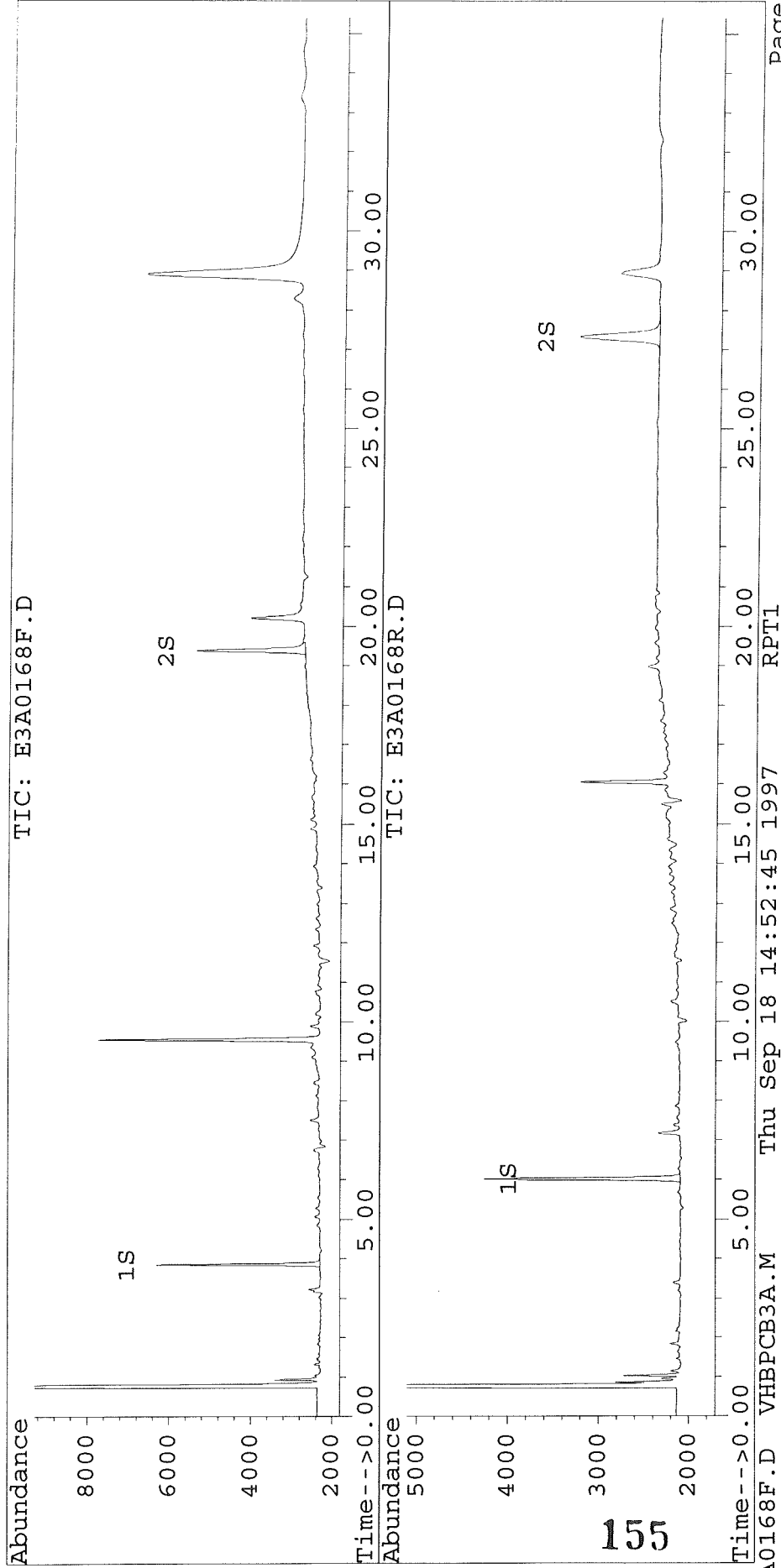
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0168F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0168F.D
Acq On : 18 Sep 97 12:27 PM Operator: JS
Sample : D1414-17,I2-C1,P0912-B2 Inst : E3
Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
Quant Time: Sep 18 14:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0169F.D Vial: 32
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0169F.D\E3A0169R.D
 Acq On : 18 Sep 97 01:05 PM Operator: JS
 Sample : D1414-18,I5-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.01	124112	93295	19.500 ✓	20.134
			Recovery =		97.50%	100.67%
2) S Decachlorobiphenyl	19.39	27.34f	150100	114195	18.605m	18.965
			Recovery =		93.03% ✓	94.83%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0169F.D Vial: 32
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0169F.D\E3A0169R.D
 Acq On : 18 Sep 97 01:05 PM Operator: JS
 Sample : D1414-18,I5-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

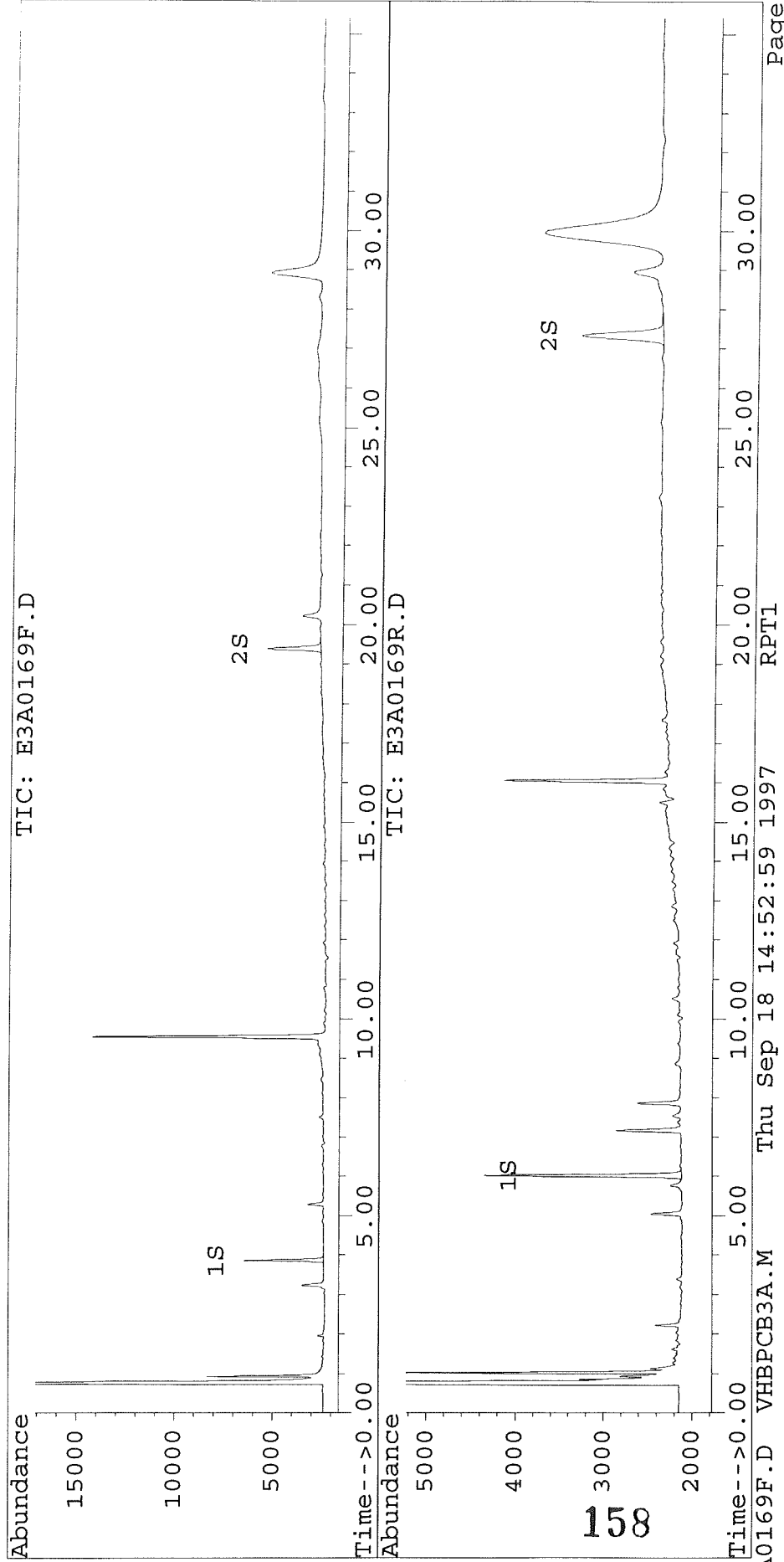
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	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\SEP97\970917\E3A0169F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0169F.D\E3A0169R.D
Acq On : 18 Sep 97 01:05 PM Operator: JS
Sample : D1414-18,I5-C1,P0912-B2 Inst : E3
Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
Quant Time: Sep 18 14:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E3A0170F.D Vial: 33
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0170F.D\E3A0170R.D
 Acq On : 18 Sep 97 01:43 PM Operator: JS
 Sample : D1414-19,I6-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.85	6.01	121146	92257	19.034m	19.910m
			Recovery	=	95.17%	99.55%
2) S Decachlorobiphenyl	19.38	27.33f	148993	125451	18.467m	20.834m
			Recovery	=	92.33%	104.17%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0170F.D Vial: 33
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0170F.D\E3A0170R.D
 Acq On : 18 Sep 97 01:43 PM Operator: JS
 Sample : D1414-19,I6-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 14:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
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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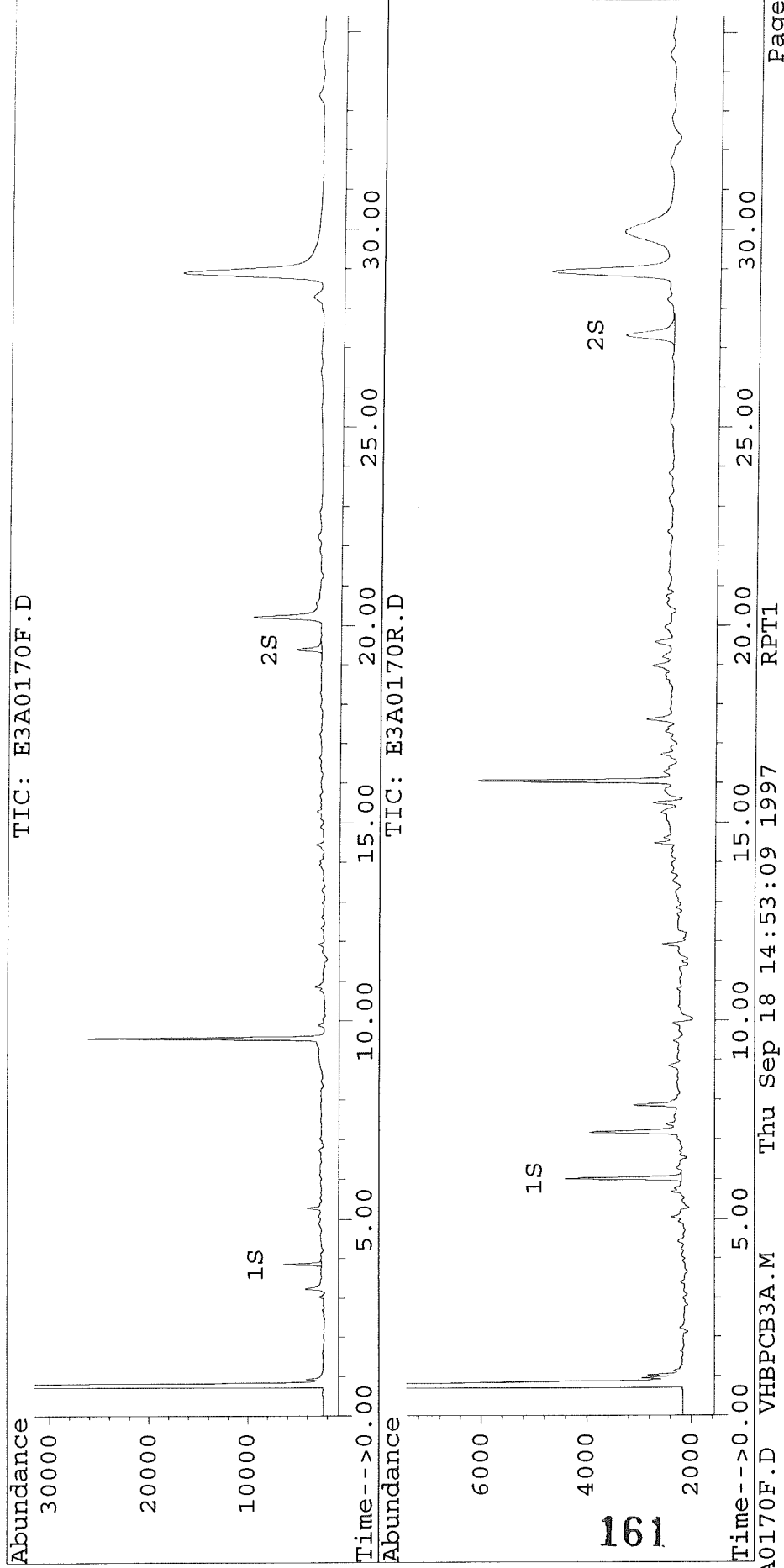
160

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0170F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0170F.D
Acq On : 18 Sep 97 01:43 PM Operator: JS
Sample : D1414-19,I6-C1,P0912-B2 Inst : E3
Misc : 0,,2,,25000,,15.0,13,,12-SEP-97,11-SEP- Multiplr: 1.00
Quant Time: Sep 18 14:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0171F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0171R.D
 Acq On : 18 Sep 97 02:21 PM Operator: JS
 Sample : D1414-20,I7-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 15:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.85	6.01	104234	83712	16.376m	18.066
			Recovery =		81.88%	90.33%
2) S Decachlorobiphenyl	19.38	27.33f	128984	93461	15.987m	15.522m
			Recovery =		79.94%	77.61%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) 2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0171F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0171R.D
 Acq On : 18 Sep 97 02:21 PM Operator: JS
 Sample : D1414-20,I7-C1,P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 15:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

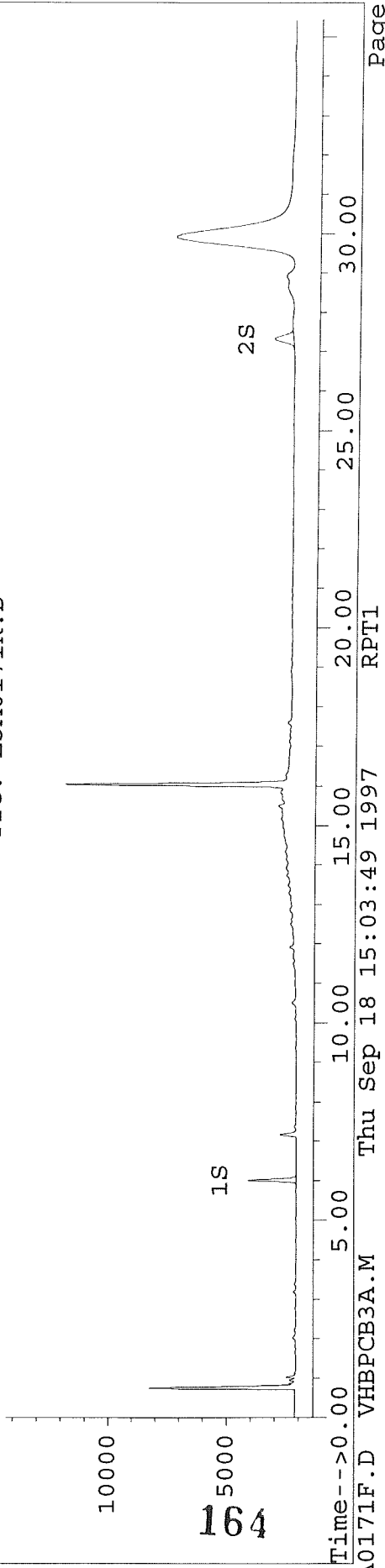
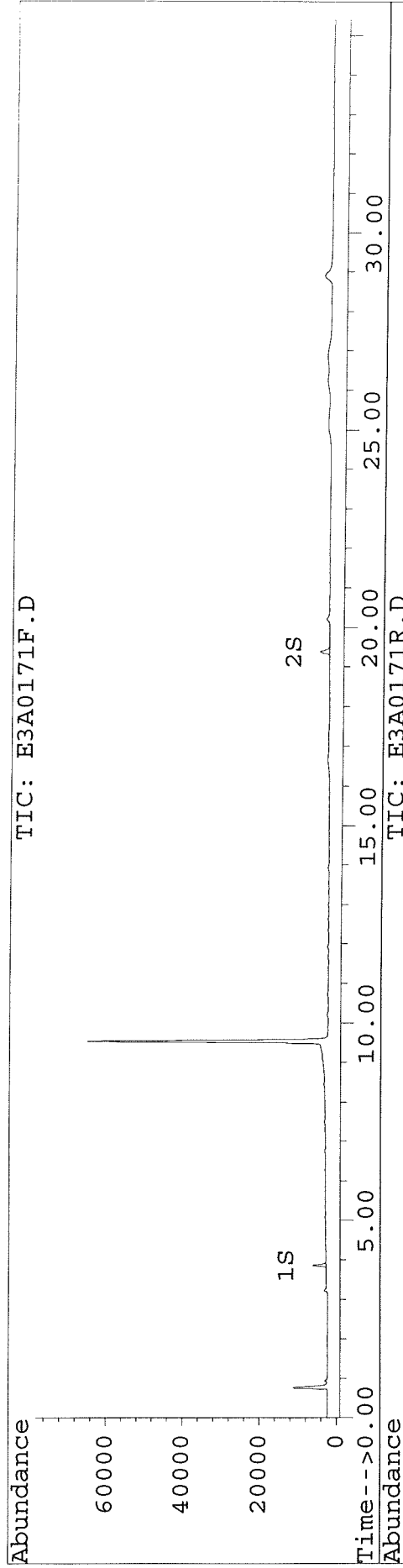
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0171F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0171F.D\E3A0171R.D
 Acq On : 18 Sep 97 02:21 PM Operator: JS
 Sample : D1414-20, I7-C1, P0912-B2 Inst : E3
 Misc : 0,,2,,25000,,15.0,12,,12-SEP-97,11-SEP- Multiplr: 1.00
 Quant Time: Sep 18 15:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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\SEP97\970917\E3A0138F.D Vial: 1
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0138F.D\E3A0138R.D
 Acq On : 17 Sep 97 12:25 PM Operator: JS
 Sample : P0912-B2,PBLK01,P0912-B2 Inst : E3
 Misc : 3,,BLANK,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
 Quant Tir

Method *GC Base P0912-B2* PCB3A.M
 Title /17/97
 Last Upd: 7
 Response *Blk + LCS* ion

Volume I:
 Signal # gnal #2 Phase: DB-608
 Signal # gnal #2 Info : 0.53 MM

 Compoun esp#1 Resp#2 ng*1000 ng*1000

System Mon		esp#1	Resp#2	ng*1000	ng*1000
1) S	Tetrach	21172	99722	19.038	21.521
		recovery	=	95.19%	107.61%
2) S	Decachl	55067	115443	19.220m	19.172
		recovery	=	96.10%	95.86%

Target Compounds

3)	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4)	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1016			0	0	N.D.	N.D.
	Average Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0138F.D Vial: 1
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0138F.D\E3A0138R.D
 Acq On : 17 Sep 97 12:25 PM Operator: JS
 Sample : P0912-B2,PBLK01,P0912-B2 Inst : E3
 Misc : 3,,BLANK,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

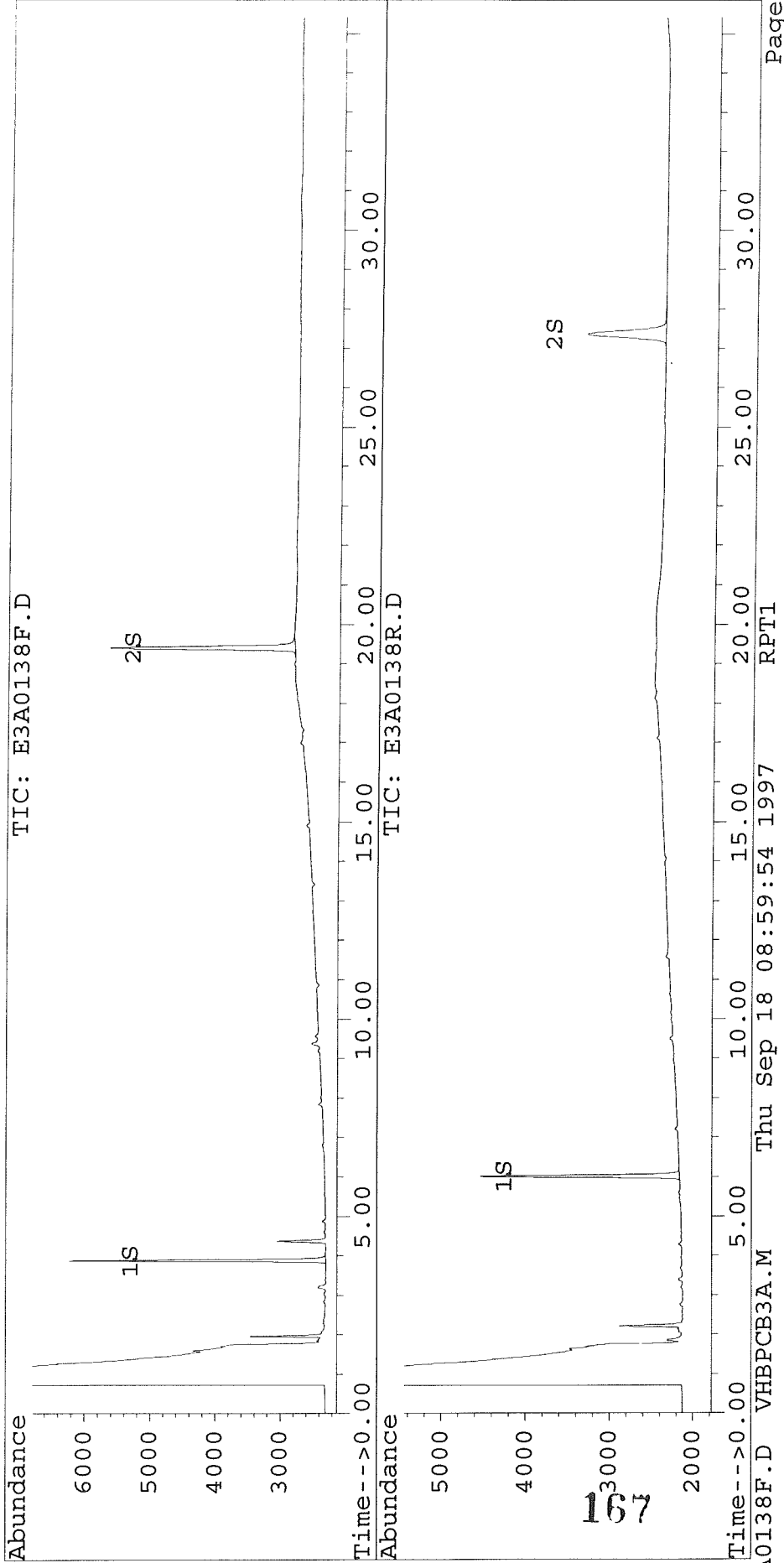
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	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.	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\SEP97\970917\E3A0138F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0138F.D
Acq On : 17 Sep 97 12:25 PM Operator: JS
Sample : P0912-B2,PBLK01,P0912-B2 Inst : E3
Misc : 3,,BLANK,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
Quant Time: Sep 18 8:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E1A2414F.D Vial: 67
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2414F.D\E1A2414R.D
 Acq On : 19 Sep 97 01:41 PM Operator: JS
 Sample : P0912-LCS2,PLCS04,P0912-B2 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,12-SEP-97,,,RERU Multiplr: 1.00
 Quant Time: Sep 19 14:37 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3244	3145	15.216	15.677
			Recovery	=	76.08%	78.38%
2) S Decachlorobiphenyl	22.43	31.32	4143	1955	16.958	16.371
			Recovery	=	84.79%	81.85%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.02	62690	62926	877.824	886.047
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	149492	149242	955.463	949.333
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	8.42f	12.02	62690	62926	1651.243	2179.821
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			62690	62926	1651.243	2179.821
Average Aroclor-1016					1651.243	2179.821
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	5.28	8.34	67	75	10.289	12.239
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			67	75	10.289	12.239
Average Aroclor-1221					10.289	12.239
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}	8.42f	12.02	62690	62926	3891.124	5158.543
Total Aroclor-1232			62690	62926	3891.124	5158.543
Average Aroclor-1232					3891.124	5158.543
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	8.42f	12.02	62690	62926	1417.785	1627.362
16) L4 Aroclor-1242 {3}	0.00	13.22	0	323	N.D.	14.884 #
17) L4 Aroclor-1242 (4)	10.27	0.00	162	0	6.666	N.D. #
18) L4 Aroclor-1242 (5)	10.52f	0.00	124	0	6.247	N.D. #
Total Aroclor-1242			62976	63249	1430.698	1642.246
Average Aroclor-1242					476.899	821.123
19) L5 Aroclor-1248	10.27	0.00	162	0	6.912	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2414F.D Vial: 67
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2414R.D
 Acq On : 19 Sep 97 01:41 PM Operator: JS
 Sample : P0912-LCS2,PLCS04,P0912-B2 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,12-SEP-97,,,RERU Multiplr: 1.00
 Quant Time: Sep 19 14:37 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.52f	15.56	124	19	6.376	0.951 #
21) L5 Aroclor-1248 {3}	0.00	16.58	0	15	N.D.	0.985 #
Total Aroclor-1248			286	34	13.288	1.936
Average Aroclor-1248					6.644	0.968
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.10	0.00	363	0	11.955	N.D. #
24) L6 Aroclor-1254 {3}	14.49	0.00	390	0	12.454	N.D. #
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	0.00	20.43	0	19	N.D.	0.429 #
Total Aroclor-1254			753	19	24.409	0.429
Average Aroclor-1254					12.204	0.429
27) L7 Aroclor-1260	17.11	0.00	149492	0	5408.166	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.23	24.22	84	99	2.259	4.158 #
Total Aroclor-1260			149576	99	5410.425	4.158
Average Aroclor-1260					2705.212	4.158

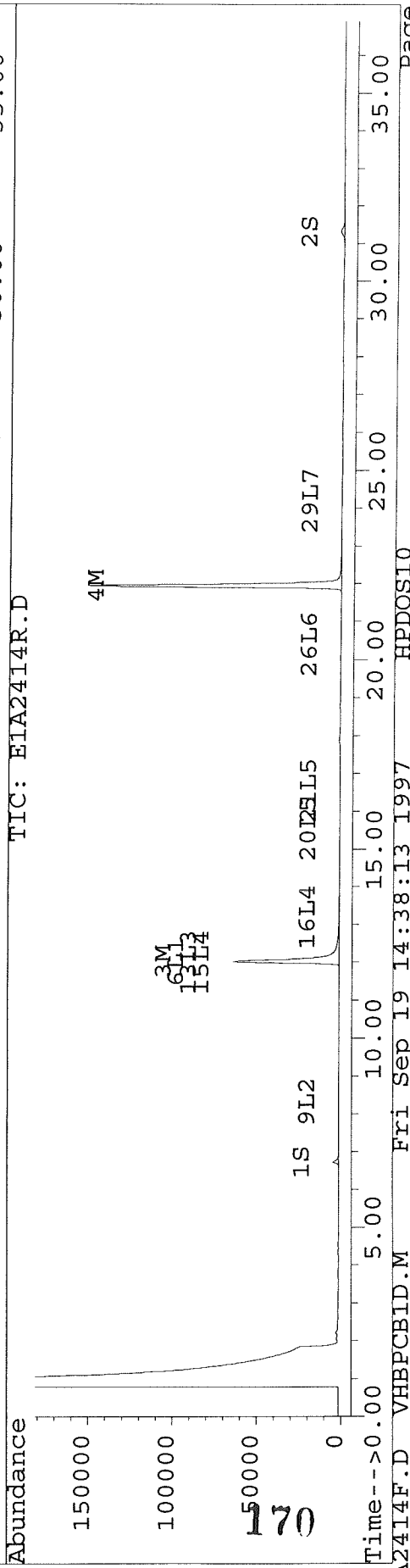
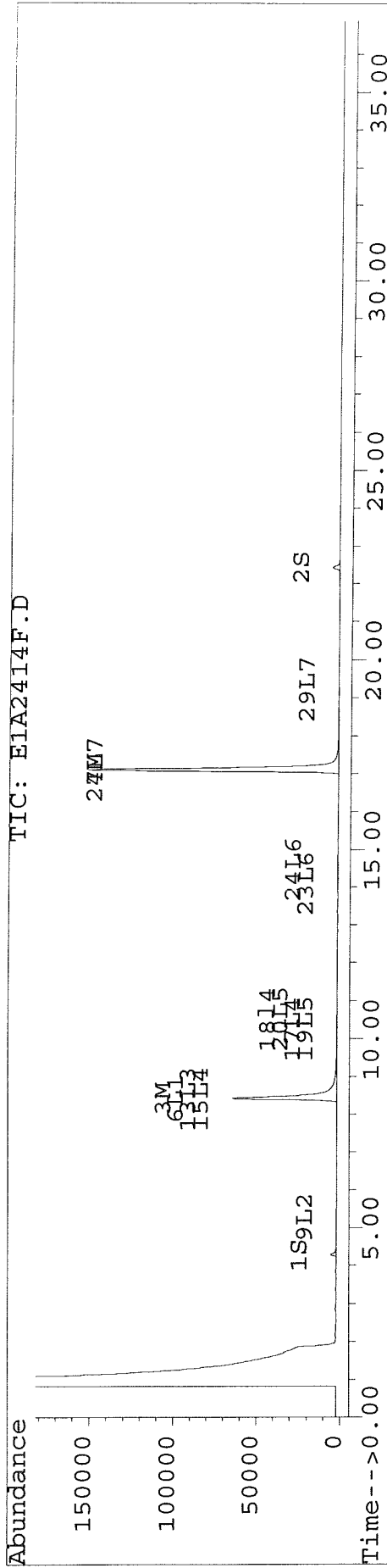
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JS 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2414F.D Vial: 67
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2414F.D\E1A2414R.D
 Acq On : 19 Sep 97 01:41 PM Operator: JS
 Sample : P0912-LCS2,PLCS04,P0912-B2 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,12-SEP-97,,RERU Multiplr: 1.00
 Quant Time: Sep 19 14:37 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E3A0139F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0139F.D\E3A0139R.D
 Acq On : 17 Sep 97 01:04 PM Operator: JS
 Sample : P0912-LCS2,PLCS01,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 3,,LCS,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

*NG
 Sample extract to be
 acid cleanup &
 re-analyse
 KZ*

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	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.02	182932	148362	28.741	32.018
			Recovery	=	143.71% ✓	160.09%
2) S Decachlorobiphenyl	19.39	27.36	225823	164658	27.990m	27.346m
			Recovery	=	139.95%	136.73% ✓
Target Compounds						
3) 2,4,4'-Trichlorobip	7.51	10.52	72269	37563	1497.417	1485.695
4) 2,2',3,3',4,4'-Hexa	14.89	18.89	134684	68090	1546.198	1520.168
5) L1 Aroclor-1016	0.00	9.39	0	20	N.D.	2.038 #
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7) L1 Aroclor-1016 {3}	7.51	10.52	72269	37563	2516.556	3037.265
Total Aroclor-1016			72269	37583	2516.556	3039.303
Average Aroclor-1016					2516.556	1519.652
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	4.77	7.39	199	111	36.328	35.302
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			199	111	36.328	35.302
Average Aroclor-1221					36.328	35.302
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	9.39	0	20	N.D.	3.899 #
13) L3 Aroclor-1232 {3}	7.51	10.52	72269	37563	5275.861	6189.827
Total Aroclor-1232			72269	37583	5275.861	6193.726
Average Aroclor-1232					5275.861	3096.863
14) L4 Aroclor-1242	0.00	9.39	0	20	N.D.	1.521 #
15) L4 Aroclor-1242 {2}	7.51	10.25f	72269	21	1791.954	3.157 #
16) L4 Aroclor-1242 {3}	0.00	10.52	0	37563	N.D.	2161.827 #
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			72269	37604	1791.954	2166.505
Average Aroclor-1242					1791.954	722.168
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	9.35	0.00	21	0	1.531	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0139F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0139F.D\E3A0139R.D
 Acq On : 17 Sep 97 01:04 PM Operator: JS
 Sample : P0912-LCS2,PLCS01,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 3,,LCS,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

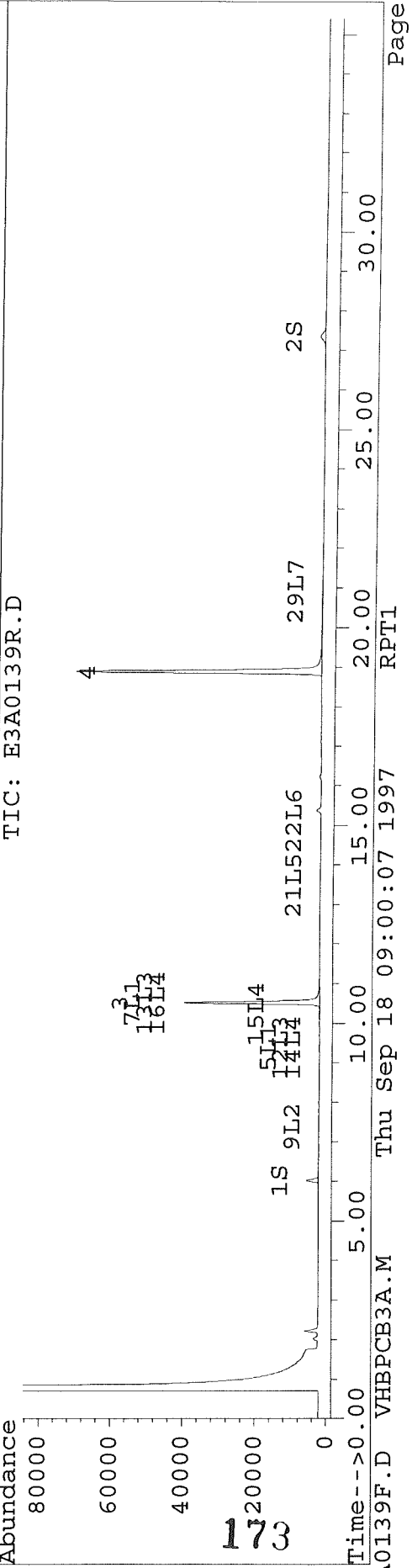
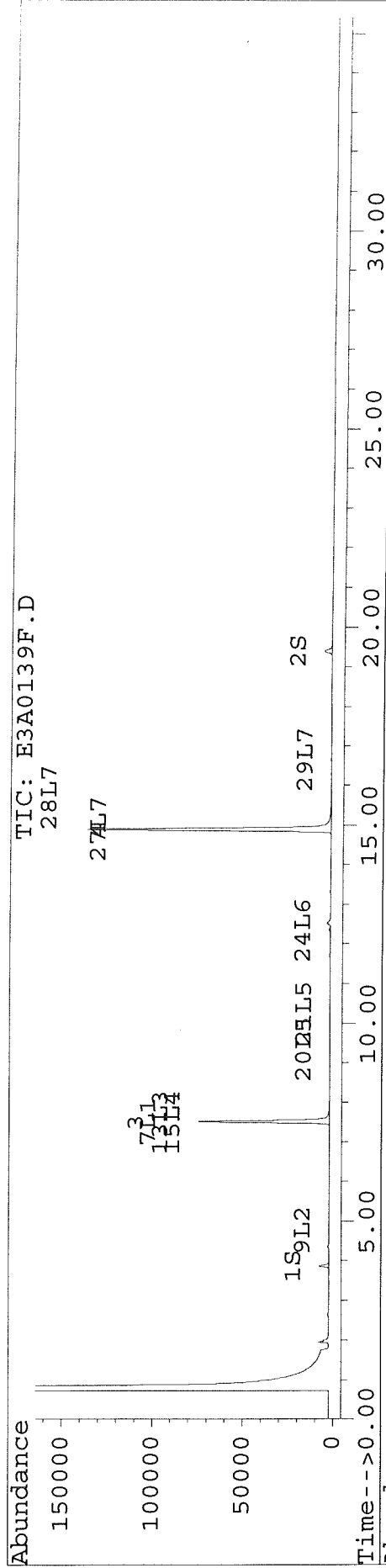
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.25f	13.49	50	29	2.797	3.450
Total Aroclor-1248			71	29	4.329	3.450
Average Aroclor-1248					2.164	3.450
22) L6 Aroclor-1254	0.00	15.14f	0	69	N.D.	5.171 #
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	12.35	0.00	738	0	34.534	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			738	69	34.534	5.171
Average Aroclor-1254					34.534	5.171
27) L7 Aroclor-1260	14.89	0.00	134684	0	7316.724	N.D. #
28) L7 Aroclor-1260 {2}	15.70	0.00	125	0	3.839	N.D. #
29) L7 Aroclor-1260 {3}	16.65	20.92	128	78	5.681	8.984 #
Total Aroclor-1260			134938	78	7326.244	8.984
Average Aroclor-1260					2442.081	8.984

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0139F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0139F.D\E3A0139R.D
 Acq On : 17 Sep 97 01:04 PM Operator: JS
 Sample : P0912-LCS2,PLCS01,P0912-B2,,AR1260.SPK Inst : E3
 Misc : 3,,LCS,2,,25000,,15.0,,,12-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



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
9-11-97	B1398-01	104°C	1.0	11.0	10.0	9-12-97	102°C	10.9	9.9	100.98	(PB)	
	-02									99		
	-03							11.0	10.0	100		
	-04							10.8	9.8	98		
	-05							10.7	9.7	97		
	-06							10.6	9.6	96		
9-12-97	D1413-01	85°C	1.0	11.0	10.0	9-15	101°C	9.10	8.1	81	AE	
	D1412-01							9.06	8.1	81		
	D1387-01	91°C	1.0	11.0	10.0			10.38	9.4	94		
	-02							10.52	9.5	95		
	D1393-01							3.83	4.8	48		
	-03							6.22	5.2	52		
	-05							5.91	4.9	49		
	-07							6.73	5.7	57		
	D1414-01							9.99	9.0	90		
	-02							9.46	8.5	85		
	-03							9.70	8.7	87		
	-04							9.21	8.2	82		
	-05							9.44	8.4	84		
	-06							9.99	9.0	90		
	-07							9.86	8.9	89		
	-08							10.23	9.2	92		

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%Solid = Dry Wt. Tared / Wet Wt. Tared x 100

%solids

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
8/11/17	D1414-09	91°C	1.0	11.0	10.0	9/15	101°C	9.86	8.9	89	DL	
	-10							9.60	8.6	86		
	-11							9.81	8.8	88		
	-12							9.04	8.1	81		
	-13							9.13	8.1	81		
	-14							9.84	8.8	88		
	-15							9.68	8.7	87		
	-16							7.81	8.8	88		
	-17							9.76	8.8	88		
	-18							9.69	8.7	87		
	-19							9.89	8.7	87		
	-20							9.75	8.8	88		
9/12/17	1340-01							10.22	9.2	92		
9/13/17	D1399-01							10.27	9.3	93		
9/12/17	-02							10.24	9.2	92		
	D1411-01							9.82	8.8	88		
	-02							9.52	8.5	85		
	-03							4.71	8.7	87		
	D1428-01	101°C	1.09	8.5	7.5			8.06	8.1	81		
	-02		1.09	8.4	7.4			7.72	6.7	80		
	-03											

VHB PCB Data

Matrix: Soil samples

QC Batch: P0916-B2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D\E1A2350R.D
 Acq On : 17 Sep 97 05:43 PM Operator: JS
 Sample : D1414-21,I8-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
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System Monitoring Compounds

1) S	Tetrachloro-m-xylen	4.28	6.73	3613	3313	16.949	16.514
				Recovery	=	84.75%	82.57%
2) S	Decachlorobiphenyl	22.44	31.34	4070	1950	16.661	16.332
				Recovery	=	83.31%	81.66%

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	17.10	21.97	11	33	0.072m	0.208 #
5) L1	Aroclor-1016	0.00	10.67	0	28	N.D.	1.043 #
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	28	N.D.	1.043
	Average Aroclor-1016					0.000	1.043
8) L2	Aroclor-1221	3.44	0.00	46	0	5.458	N.D. #
9) L2	Aroclor-1221 {2}	0.00	8.34	0	189	N.D.	30.982 #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			46	189	5.458	30.982
	Average Aroclor-1221					5.458	30.982
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	10.67	0	28	N.D.	2.237 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1232			0	28	N.D.	2.237
	Average Aroclor-1232					0.000	2.237
14) L4	Aroclor-1242	0.00	10.67	0	28	N.D.	0.772 #
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)	10.53f	0.00	20	0	1.002	N.D. #
	Total Aroclor-1242			20	28	1.002	0.772
	Average Aroclor-1242					1.002	0.772
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D\E1A2350R.D
 Acq On : 17 Sep 97 05:43 PM Operator: JS
 Sample : D1414-21,I8-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
10) L5 Aroclor-1248 {2}	10.53f	0.00	20	0	1.023	N.D. #
11) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			20	0	1.023	N.D.
Average Aroclor-1248					1.023	0.000
22) L6 Aroclor-1254	0.00	17.94	0	9	N.D.	0.136 #
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	18.52f	0	20	N.D.	0.716 #
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	29	N.D.	0.852
Average Aroclor-1254					0.000	0.426
27) L7 Aroclor-1260	17.12	21.85	14	28	0.508	1.156 #
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			14	28	0.508	1.156
Average Aroclor-1260					0.508	1.156

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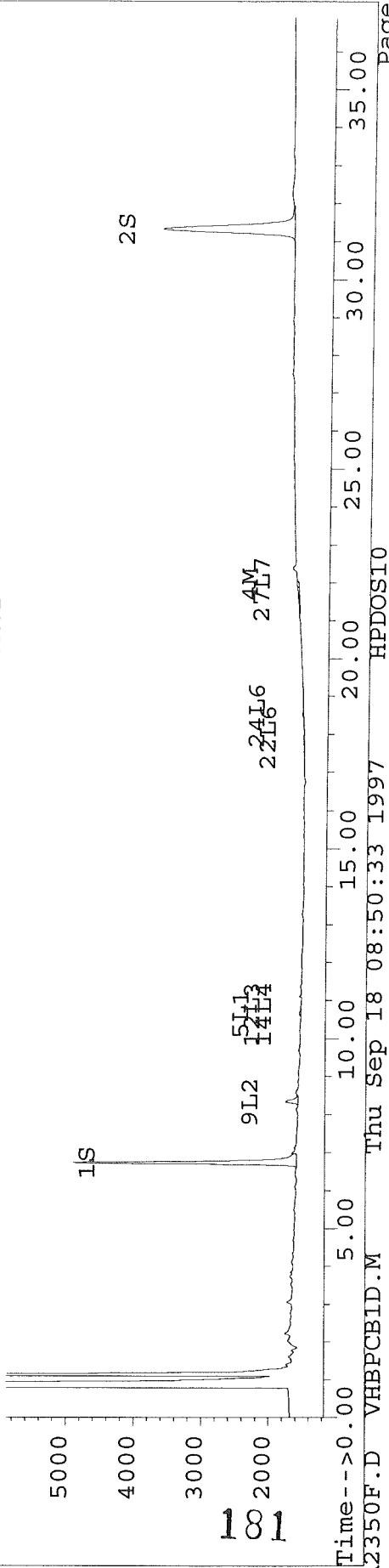
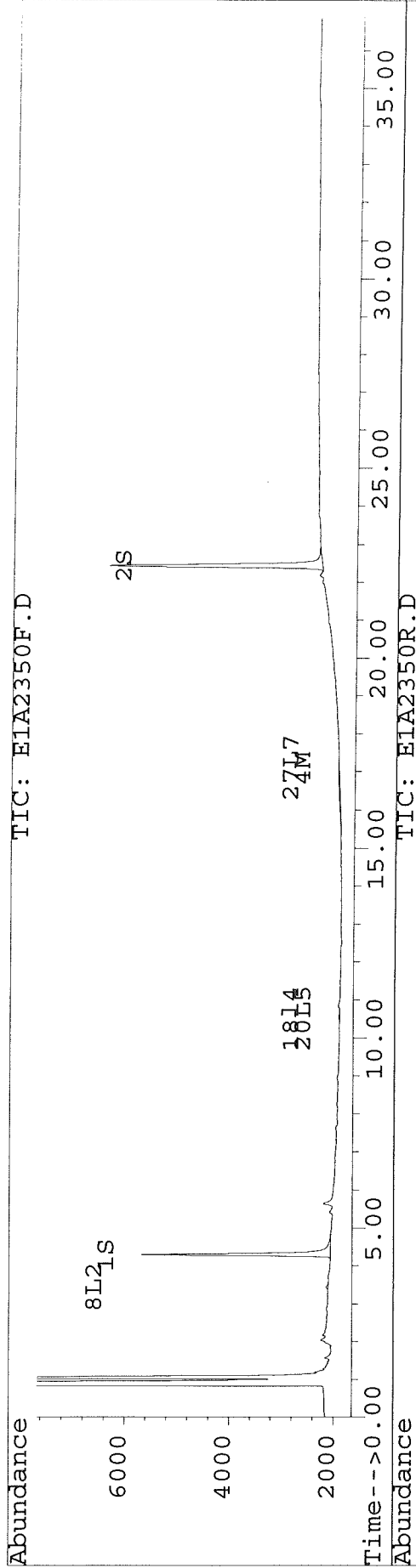
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180

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D Vial: 3
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2350F.D
 Acq On : 17 Sep 97 05:43 PM Operator: JS
 Sample : D1414-21,I8-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2351F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2351F.D\E1A2351R.D
 Acq On : 17 Sep 97 06:24 PM Operator: JS
 Sample : D1414-21MS,I8-C1MS,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3535	3280	16.580	16.353
			Recovery	=	82.90%	81.77%
2) S Decachlorobiphenyl	22.43	31.33	4078	1942	16.691m	16.266
			Recovery	=	83.45%	81.33%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.02	73827	71302	1033.781	1003.990
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	161038	153967	1029.258	979.387
5) L1 Aroclor-1016	0.00	10.68	0	17	N.D.	0.647 #
6) L1 Aroclor-1016 {2}	8.42f	12.02	73827	71302	1944.608	2469.979
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			73827	71320	1944.608	2470.626
Average Aroclor-1016					1944.608	1235.313
8) L2 Aroclor-1221	3.44	0.00	27	0	3.230	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.34	86	264	13.200	43.248 #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			113	264	16.430	43.248
Average Aroclor-1221					8.215	43.248
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	10.68	0	17	N.D.	1.388 #
13) L3 Aroclor-1232 {3}	8.42f	12.02	73827	71302	4582.434	5845.203
Total Aroclor-1232			73827	71320	4582.434	5846.590
Average Aroclor-1232					4582.434	2923.295
14) L4 Aroclor-1242	0.00	10.68	0	17	N.D.	0.479 #
15) L4 Aroclor-1242 {2}	8.42f	12.02	73827	71302	1669.674	1843.982
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)	10.52f	0.00	120	0	6.036	N.D. #
Total Aroclor-1242			73947	71320	1675.710	1844.461
Average Aroclor-1242					837.855	922.230
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2351F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2351F.D\E1A2351R.D
 Acq On : 17 Sep 97 06:24 PM Operator: JS
 Sample : D1414-21MS,I8-C1MS,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

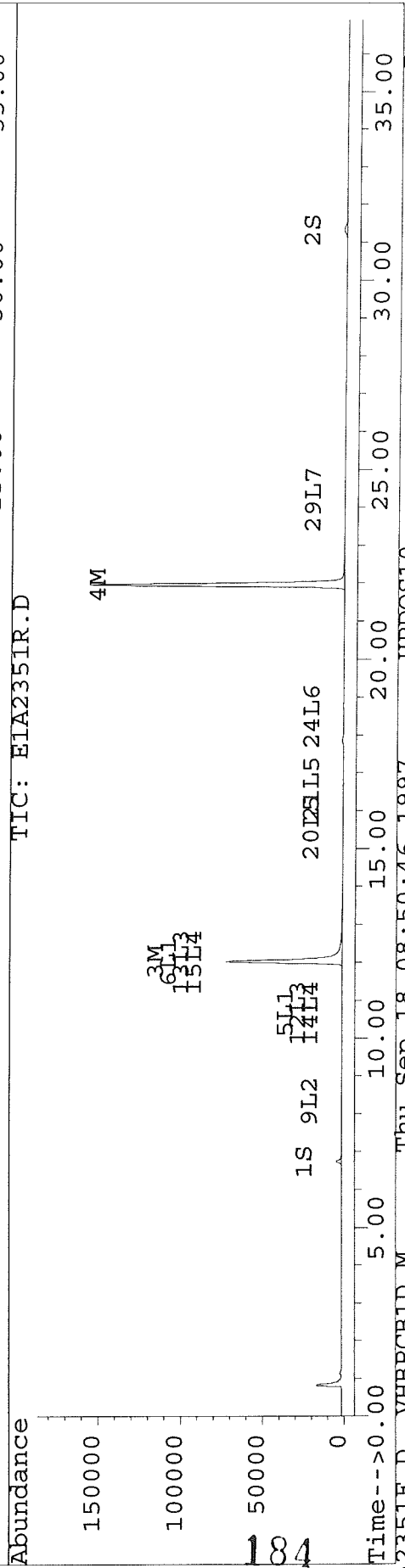
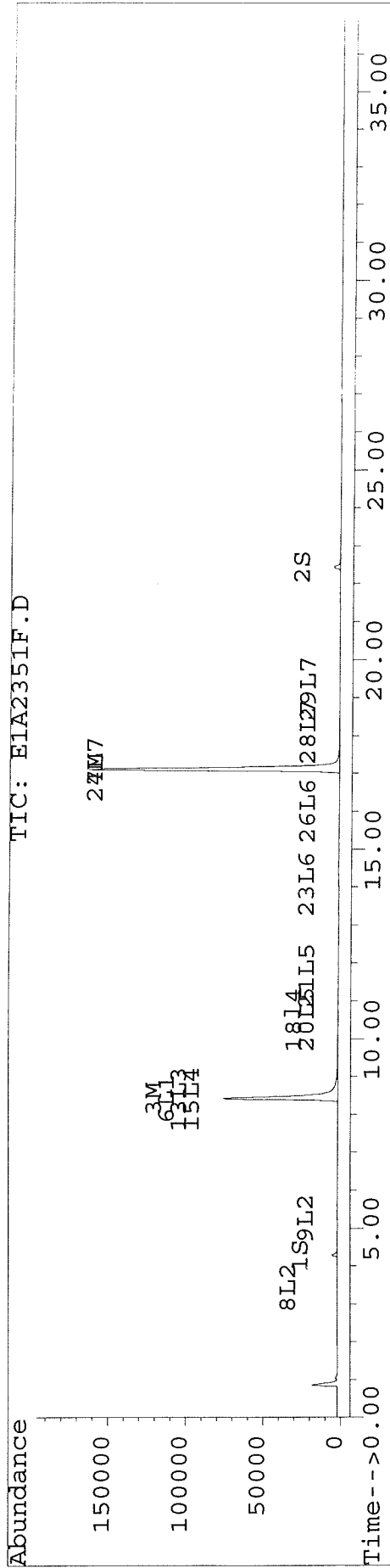
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.52f	15.56	120	28	6.161	1.412 #
21) L5 Aroclor-1248 {3}	11.68	16.57	31	29	1.337	1.869 #
Total Aroclor-1248			151	57	7.499	3.281
Average Aroclor-1248					3.749	1.641
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.10	0.00	437	0	14.400	N.D. #
24) L6 Aroclor-1254 {3}	0.00	18.52f	0	86	N.D.	3.001 #
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	16.02	0.00	9	0	0.187	N.D. #
Total Aroclor-1254			446	86	14.587	3.001
Average Aroclor-1254					7.294	3.001
27) L7 Aroclor-1260	17.11	0.00	161038	0	5825.865	N.D. #
28) L7 Aroclor-1260 {2}	18.10	0.00	100	0	1.966	N.D. #
29) L7 Aroclor-1260 {3}	19.23	24.22	84	63	2.246	2.639
Total Aroclor-1260			161221	63	5830.076	2.639
Average Aroclor-1260					1943.359	2.639

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2351F.D Vial: 4
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2351F.D\E1A2351R.D
 Acq On : 17 Sep 97 06:24 PM Operator: JS
 Sample : D1414-21MS,I8-C1MS,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2352F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2352F.D\E1A2352R.D
 Acq On : 17 Sep 97 07:04 PM Operator: JS
 Sample : D1414-21MSD,I8-C1MSD,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
1) S Tetrachloro-m-xylene	4.28	6.73	3904	3543	18.309	17.661
			Recovery	=	91.55%	88.31%
2) S Decachlorobiphenyl	22.43	31.33	4305	2044	17.622m	17.121
			Recovery	=	88.11%	85.61%

Target Compounds

3) M 2,4,4'-Trichlorobip	8.42	12.02	75289	73796	1054.244	1039.103
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	165053	158510	1054.921	1008.289
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	8.42f	12.02	75289	73796	1983.100	2556.364
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			75289	73796	1983.100	2556.364
Average Aroclor-1016					1983.100	2556.364
8) L2 Aroclor-1221	3.44	0.00	73	0	8.548	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.34	83	264	12.767	43.274 #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			155	264	21.315	43.274
Average Aroclor-1221					10.658	43.274
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}	8.42f	12.02	75289	73796	4673.141	6049.630
Total Aroclor-1232			75289	73796	4673.141	6049.630
Average Aroclor-1232					4673.141	6049.630
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	8.42f	12.02	75289	73796	1702.724	1908.472
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			75289	73796	1702.724	1908.472
Average Aroclor-1242					1702.724	1908.472
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2352F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2352F.D\E1A2352R.D
 Acq On : 17 Sep 97 07:04 PM Operator: JS
 Sample : D1414-21MSD, I8-C1MSD, P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	11.68	0.00	16	0	0.689	N.D. #
Total Aroclor-1248			16	0	0.689	N.D.
Average Aroclor-1248					0.689	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.10	0.00	442	0	14.552	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)	16.02	0.00	13	0	0.265	N.D. #
Total Aroclor-1254			455	0	14.817	N.D.
Average Aroclor-1254					7.409	0.000
27) L7 Aroclor-1260	17.11	0.00	165053	0	5971.127	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.23	24.22	85	66	2.290	2.762
Total Aroclor-1260			165139	66	5973.418	2.762
Average Aroclor-1260					2986.709	2.762

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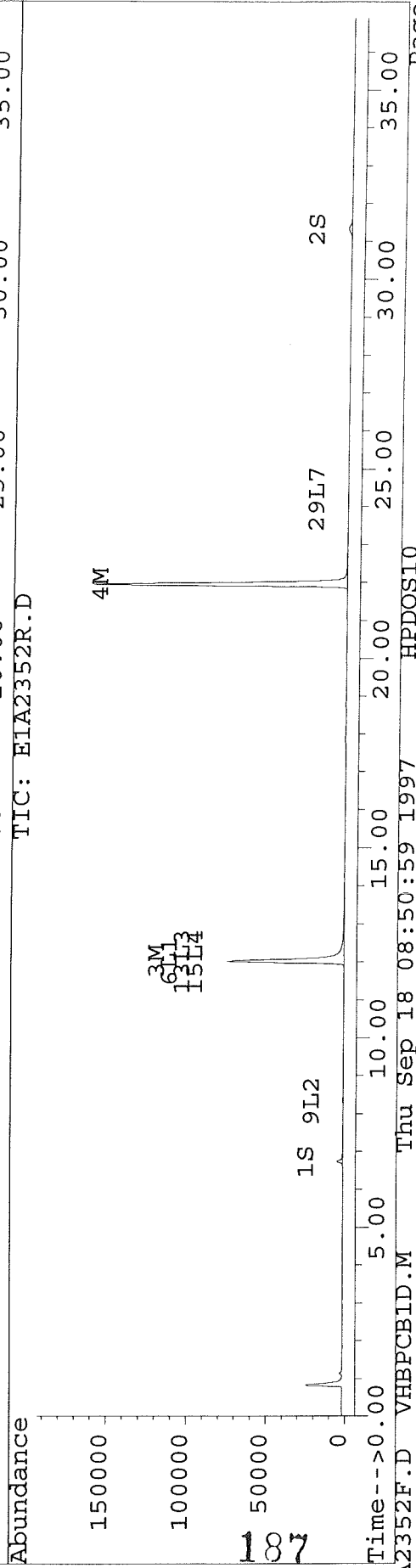
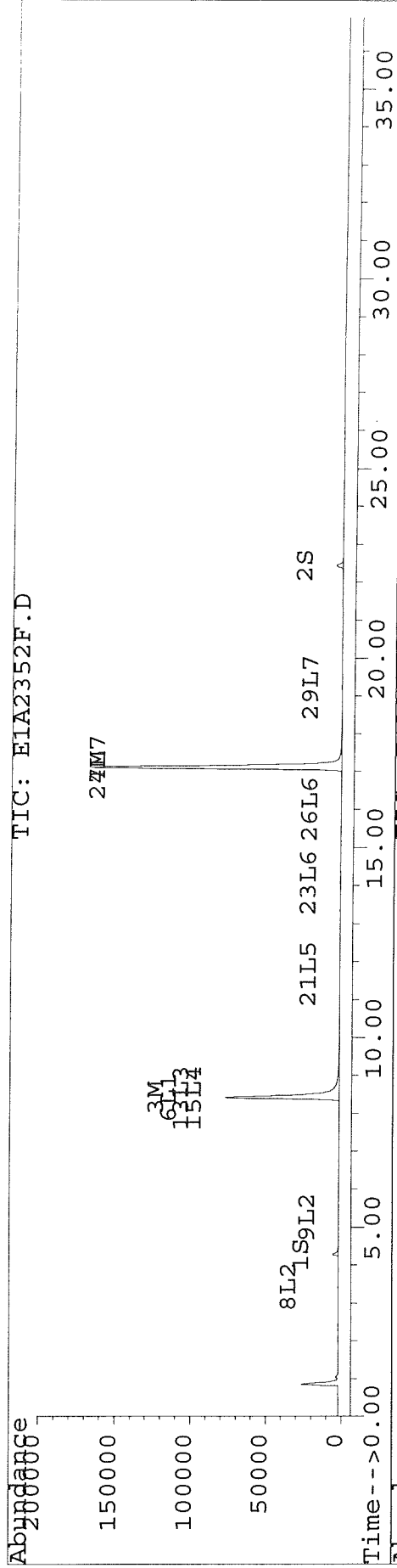
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2352F.D Vial: 5
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2352F.D
 Acq On : 17 Sep 97 07:04 PM Operator: JS
 Sample : D1414-21MSD,I8-C1MSD,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCBID.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2353F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2353F.D\E1A2353R.D
 Acq On : 17 Sep 97 07:45 PM Operator: JS
 Sample : D1414-22,I9-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
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System Monitoring Compounds

1) S	Tetrachloro-m-xylen	4.28	6.73	3666	3381	17.195	16.854
				Recovery	=	85.97%	84.27%
2) S	Decachlorobiphenyl	22.43	31.33	4311	2023	17.648m	16.938
				Recovery	=	88.24%	84.69%

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	17.11	21.96	23	65	0.147	0.410 #
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	3.43	0.00	57	0	6.687	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			57	0	6.687	N.D.
	Average Aroclor-1221					6.687	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.	N.D.
18) L4	Aroclor-1242 (5)	10.53f	0.00	19	0	0.935	N.D. #
	Total Aroclor-1242			19	0	0.935	N.D.
	Average Aroclor-1242					0.935	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2353F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2353F.D\E1A2353R.D
 Acq On : 17 Sep 97 07:45 PM Operator: JS
 Sample : D1414-22,I9-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.53f	0.00	19	0	0.955	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			19	0	0.955	N.D.
Average Aroclor-1248					0.955	0.000
22) L6 Aroclor-1254	0.00	17.94	0	7	N.D.	0.108 #
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	7	N.D.	0.108
Average Aroclor-1254					0.000	0.108
27) L7 Aroclor-1260	17.11	0.00	23	0	0.830	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			23	0	0.830	N.D.
Average Aroclor-1260					0.830	0.000

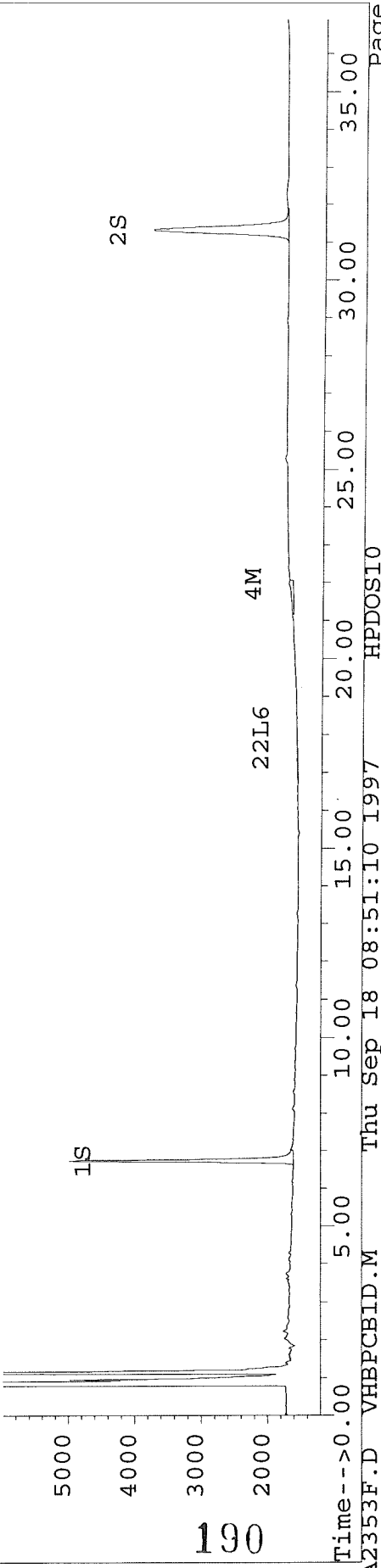
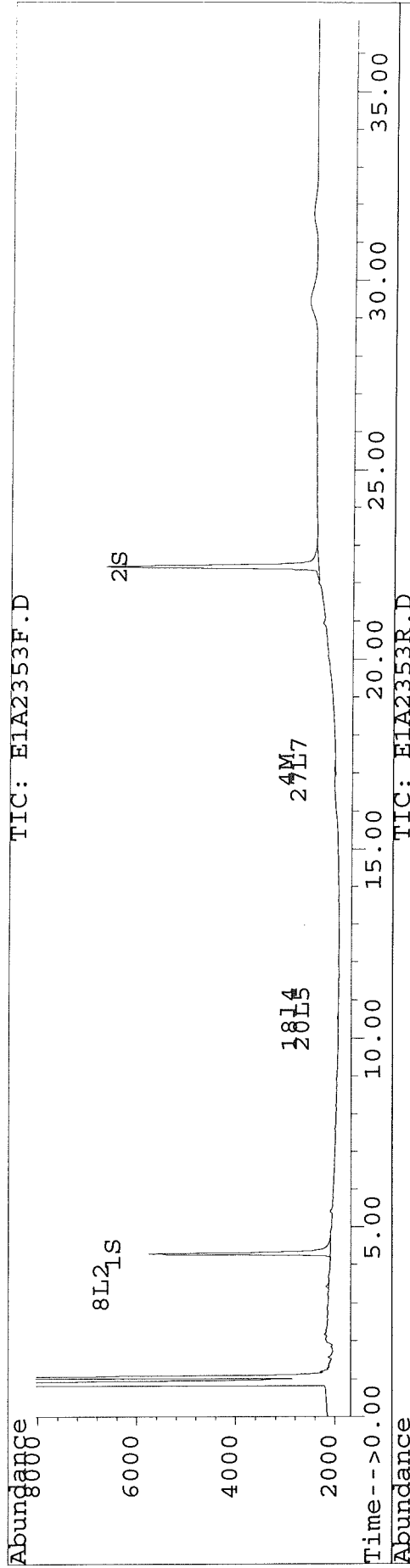
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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2353F.D Vial: 6
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2353R.D
 Acq On : 17 Sep 97 07:45 PM Operator: JS
 Sample : D1414-22,I9-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2354F.D Vial: 7
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2354F.D\E1A2354R.D
 Acq On : 17 Sep 97 08:25 PM Operator: JS
 Sample : D1414-23,I10-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,10,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3756	3801	17.618	18.948
			Recovery	=	88.09%	94.74%
2) S Decachlorobiphenyl	22.44	31.34	4239	2077	17.352m	17.391
			Recovery	=	86.76%	86.96%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.04	78	90	1.094	1.263
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	225	248	1.436	1.579
5) L1 Aroclor-1016	6.99	10.66	39	115	1.443	4.320 #
6) L1 Aroclor-1016 {2}	8.46	12.04	78	90	2.058	3.107 #
7) L1 Aroclor-1016 {3}	9.51	0.00	127	0	5.871	N.D. #
Total Aroclor-1016			244	205	9.372	7.428
Average Aroclor-1016					3.124	3.714
8) L2 Aroclor-1221	3.43	0.00	96	0	11.306	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	263	N.D.	42.979 #
10) L2 Aroclor-1221 {3}	5.87	0.00	5847	0	337.015	N.D. #
Total Aroclor-1221			5943	263	348.321	42.979
Average Aroclor-1221					174.160	42.979
11) L3 Aroclor-1232	5.87	0.00	5847	0	436.638	N.D. #
12) L3 Aroclor-1232 {2}	6.99	10.66	39	115	3.238	9.271 #
13) L3 Aroclor-1232 {3}	8.46	12.04	78	90	4.849	7.353 #
Total Aroclor-1232			5964	205	444.724	16.624
Average Aroclor-1232					148.241	8.312
14) L4 Aroclor-1242	6.99	10.66	39	115	1.075	3.200 #
15) L4 Aroclor-1242 {2}	8.46	12.04	78	90	1.767	2.320 #
16) L4 Aroclor-1242 {3}	9.51	13.19	127	108	4.460	4.987
17) L4 Aroclor-1242 (4)	10.26	14.37	97	91	3.992	3.981
18) L4 Aroclor-1242 (5)	10.56	14.82	71	91	3.594	6.525 #
Total Aroclor-1242			413	495	14.887	21.013
Average Aroclor-1242					2.977	4.203
19) L5 Aroclor-1248	10.26	15.32	97	101	4.140	5.173

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2354F.D Vial: 7
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2354R.D
 Acq On : 17 Sep 97 08:25 PM Operator: JS
 Sample : D1414-23,I10-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.56	71	68	3.668	3.413
21) L5 Aroclor-1248 {3}	0.00	16.56	0	55	N.D.	3.571 #
Total Aroclor-1248			169	224	7.808	12.156
Average Aroclor-1248					3.904	4.052
22) L6 Aroclor-1254	13.62	17.94	351	415	5.986	6.296
23) L6 Aroclor-1254 {2}	14.10	18.38	214	199	7.061	5.624
24) L6 Aroclor-1254 {3}	14.49	18.57	141	295	4.498	10.350 #
25) L6 Aroclor-1254 (4)	14.90	18.89	176	213	6.550	7.432
26) L6 Aroclor-1254 (5)	16.01	20.44	373	384	7.705	8.631
Total Aroclor-1254			1254	1506	31.800	38.333
Average Aroclor-1254					6.360	7.667
27) L7 Aroclor-1260	17.12	21.83	225	151	8.127	6.135
28) L7 Aroclor-1260 {2}	18.10	0.00	168	0	3.304	N.D. #
29) L7 Aroclor-1260 {3}	19.21	24.22	153	192	4.102	8.041 #
Total Aroclor-1260			545	343	15.533	14.176
Average Aroclor-1260					5.178	7.088

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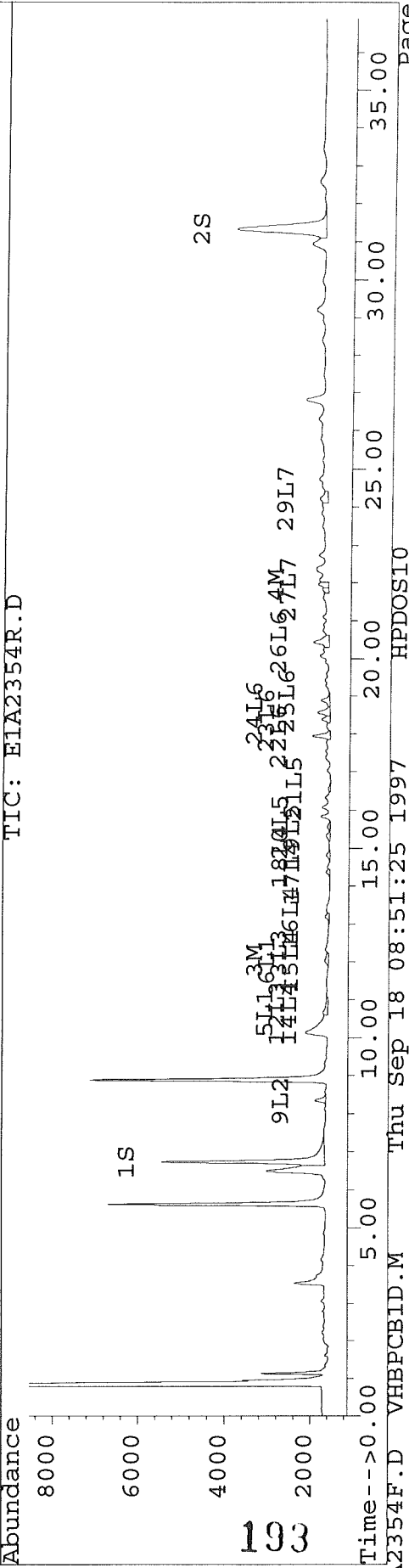
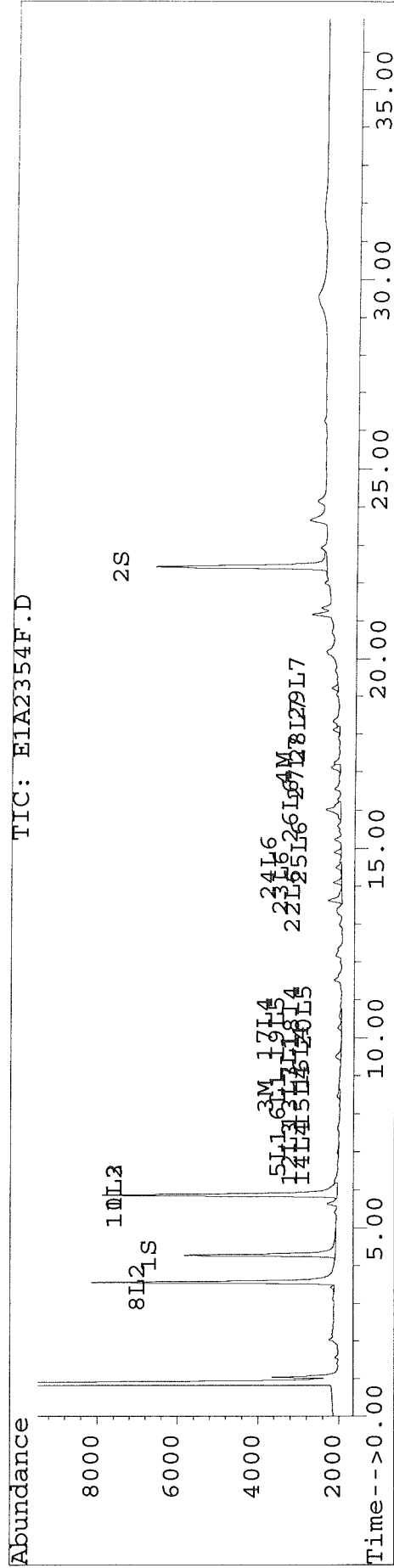
JS 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2354F.D Vial: 7
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2354F.D\E1A2354R.D
 Acq On : 17 Sep 97 08:25 PM Operator: JS
 Sample : D1414-23,I10-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,10,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2355F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2355F.D\E1A2355R.D
 Acq On : 17 Sep 97 09:06 PM Operator: JS
 Sample : D1414-24,I12-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,4,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3836	3436	17.993	17.127
			Recovery	=	89.96%	85.63%
2) S Decachlorobiphenyl	22.43	31.33	4176	1974	17.091m	16.530
			Recovery	=	85.46%	82.65%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	150	183	2.102	2.572
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	314	266	2.008	1.691
5) L1 Aroclor-1016	6.98	10.66	92	108	3.375	4.033
6) L1 Aroclor-1016 {2}	8.46	12.03	150	183	3.954	6.329 #
7) L1 Aroclor-1016 {3}	9.52	12.60	267	73	12.362	5.323 #
Total Aroclor-1016			509	363	19.692	15.684
Average Aroclor-1016					6.564	5.228
8) L2 Aroclor-1221	3.43	0.00	55	0	6.526	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	58	N.D.	9.530 #
10) L2 Aroclor-1221 {3}	5.87	0.00	288	0	16.589	N.D. #
Total Aroclor-1221			343	58	23.115	9.530
Average Aroclor-1221					11.558	9.530
11) L3 Aroclor-1232	5.87	0.00	288	0	21.493	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.66	92	108	7.572	8.654
13) L3 Aroclor-1232 {3}	8.46	12.03	150	183	9.318	14.977 #
Total Aroclor-1232			530	290	38.383	23.631
Average Aroclor-1232					12.794	11.815
14) L4 Aroclor-1242	6.98	10.66	92	108	2.513	2.987
15) L4 Aroclor-1242 {2}	8.46	12.03	150	183	3.395	4.725 #
16) L4 Aroclor-1242 {3}	9.52	13.18	267	207	9.390	9.546
17) L4 Aroclor-1242 (4)	10.26	14.36	225	173	9.231	7.548
18) L4 Aroclor-1242 (5)	10.56	14.81	156	267	7.856	19.215 #
Total Aroclor-1242			890	938	32.385	44.021
Average Aroclor-1242					6.477	8.804
19) L5 Aroclor-1248	10.26	15.33	225	146	9.571	7.468

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2355F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2355F.D\E1A2355R.D
 Acq On : 17 Sep 97 09:06 PM Operator: JS
 Sample : D1414-24,I12-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,4,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	156	148	8.019	7.457
21) L5 Aroclor-1248 {3}	11.64	16.56	197	93	8.470	6.104 #
Total Aroclor-1248			577	388	26.060	21.029
Average Aroclor-1248					8.687	7.010
22) L6 Aroclor-1254	13.62	17.93	660	767	11.263	11.641
23) L6 Aroclor-1254 {2}	14.10	18.38	451	313	14.871	8.850 #
24) L6 Aroclor-1254 {3}	14.50	18.56	239	486	7.621	17.034 #
25) L6 Aroclor-1254 (4)	14.89	18.88	426	454	15.854	15.809
26) L6 Aroclor-1254 (5)	16.00	20.43	726	764	15.006	17.177
Total Aroclor-1254			2501	2783	64.615	70.511
Average Aroclor-1254					12.923	14.102
27) L7 Aroclor-1260	17.12	21.82	314	170	11.366	6.937 #
28) L7 Aroclor-1260 {2}	18.10	0.00	323	0	6.366	N.D. #
29) L7 Aroclor-1260 {3}	19.21	24.21	273	215	7.311	8.975
Total Aroclor-1260			910	385	25.044	15.912
Average Aroclor-1260					8.348	7.956

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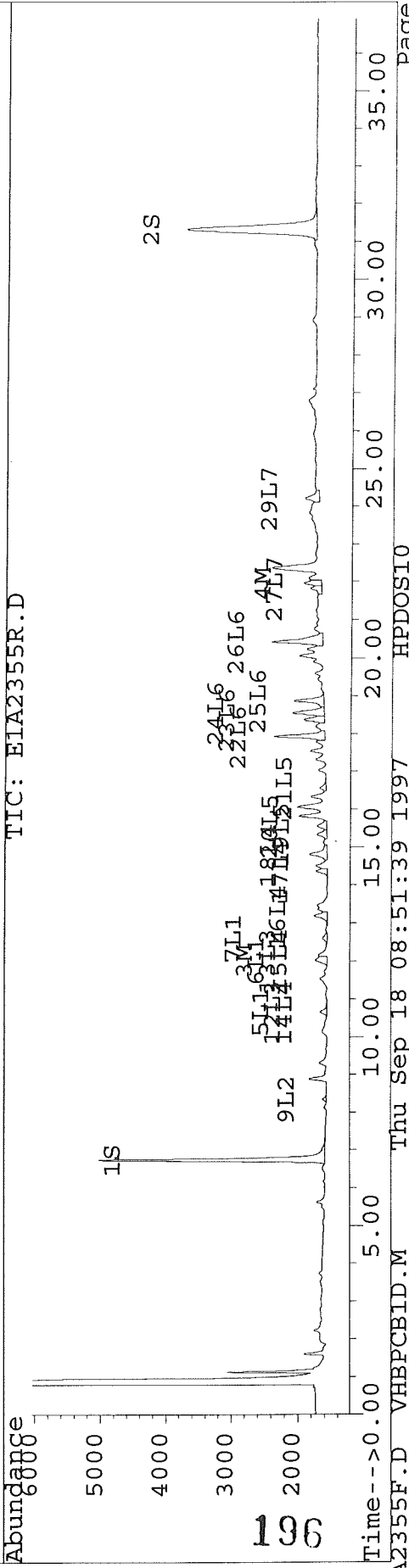
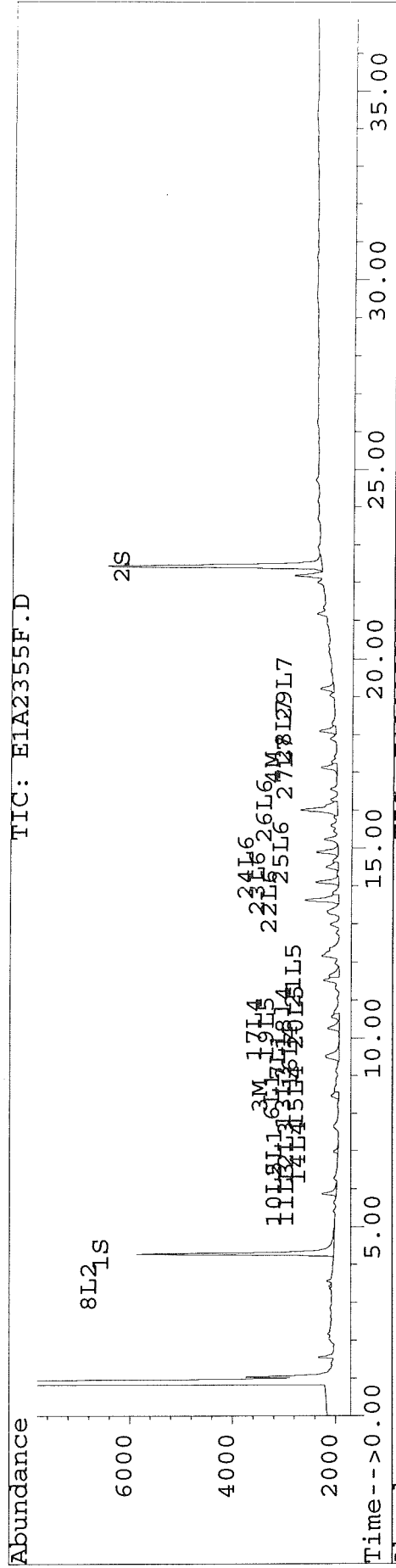
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9/18/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2355F.D Vial: 8
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2355F.D\E1A2355R.D
 Acq On : 17 Sep 97 09:06 PM Operator: JS
 Sample : D1414-24, I12-C1, P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,4,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2356F.D Vial: 9
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2356F.D\E1A2356R.D
 Acq On : 17 Sep 97 09:46 PM Operator: JS
 Sample : D1414-25,J1-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3888	3535	18.235	17.624
			Recovery	=	91.18%	88.12%
2) S Decachlorobiphenyl	22.43	31.33	4318	2045	17.673	17.123
			Recovery	=	88.36%	85.62%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.02	1068	1113	14.951	15.679
4) M 2,2',3,3',4,4'-Hexa	17.13	21.97	115	102	0.734	0.651
5) L1 Aroclor-1016	6.98	10.66	1205	1214	44.161	45.514
6) L1 Aroclor-1016 {2}	8.45	12.02	1068	1113	28.124	38.572 #
7) L1 Aroclor-1016 {3}	9.50	12.61	1570	150	72.684	10.892 #
Total Aroclor-1016			3842	2477	144.969	94.978
Average Aroclor-1016					48.323	31.659
8) L2 Aroclor-1221	3.43	0.00	107	0	12.567	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.87	9.14	264	44	15.239	3.022 #
Total Aroclor-1221			371	44	27.806	3.022
Average Aroclor-1221					13.903	3.022
11) L3 Aroclor-1232	5.87	9.14	264	44	19.744	3.755 #
12) L3 Aroclor-1232 {2}	6.98	10.66	1205	1214	99.062	97.668
13) L3 Aroclor-1232 {3}	8.45	12.02	1068	1113	66.274	91.281 #
Total Aroclor-1232			2537	2372	185.080	192.704
Average Aroclor-1232					61.693	64.235
14) L4 Aroclor-1242	6.98	10.66	1205	1214	32.877	33.711
15) L4 Aroclor-1242 {2}	8.45	12.02	1068	1113	24.148	28.796
16) L4 Aroclor-1242 {3}	9.50	13.19	1570	1188	55.211	54.694
17) L4 Aroclor-1242 (4)	10.26	14.37	1342	1272	55.105	55.571
18) L4 Aroclor-1242 (5)	10.56	14.81	836	569	42.081	40.842
Total Aroclor-1242			6020	5356	209.422	213.615
Average Aroclor-1242					41.884	42.723
19) L5 Aroclor-1248	10.26	15.33	1342	636	57.140	32.462 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2356F.D Vial: 9
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2356F.D\E1A2356R.D
 Acq On : 17 Sep 97 09:46 PM Operator: JS
 Sample : D1414-25,J1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	836	773	42.952	38.859
21) L5 Aroclor-1248 {3}	11.65	16.56	701	362	30.212	23.725
Total Aroclor-1248			2879	1771	130.304	95.046
Average Aroclor-1248					43.435	31.682
22) L6 Aroclor-1254	13.62	17.94	517	623	8.825	9.448
23) L6 Aroclor-1254 {2}	14.10	18.39	271	289	8.913	8.193
24) L6 Aroclor-1254 {3}	14.50	18.56	212	234	6.782	8.225
25) L6 Aroclor-1254 (4)	14.89	18.88	193	204	7.180	7.116
26) L6 Aroclor-1254 (5)	16.01	20.43	303	284	6.271	6.384
Total Aroclor-1254			1496	1635	37.971	39.367
Average Aroclor-1254					7.594	7.873
27) L7 Aroclor-1260	17.13	21.83	115	38	4.157	1.568 #
28) L7 Aroclor-1260 {2}	18.10	22.32	70	95	1.381	1.658
29) L7 Aroclor-1260 {3}	19.22	24.22	63	38	1.688	1.587
Total Aroclor-1260			248	171	7.226	4.813
Average Aroclor-1260					2.409	1.604

~~AR1242~~
 $209.422 \text{ ng/mL} \times \frac{25}{15.0} = 4105 \text{ ng/g}$
 15.0×0.86
 400 $\mu\text{g/g}$
 JS 9/19/97

AR1242
 $\frac{55.211 + 55.105 + 42.081}{3} \times 25 = 152.397$
 $152.397 \times \frac{5}{3} = 492$
 15.0×0.86
 490 $\mu\text{g/g}$
 JS 9/18/97

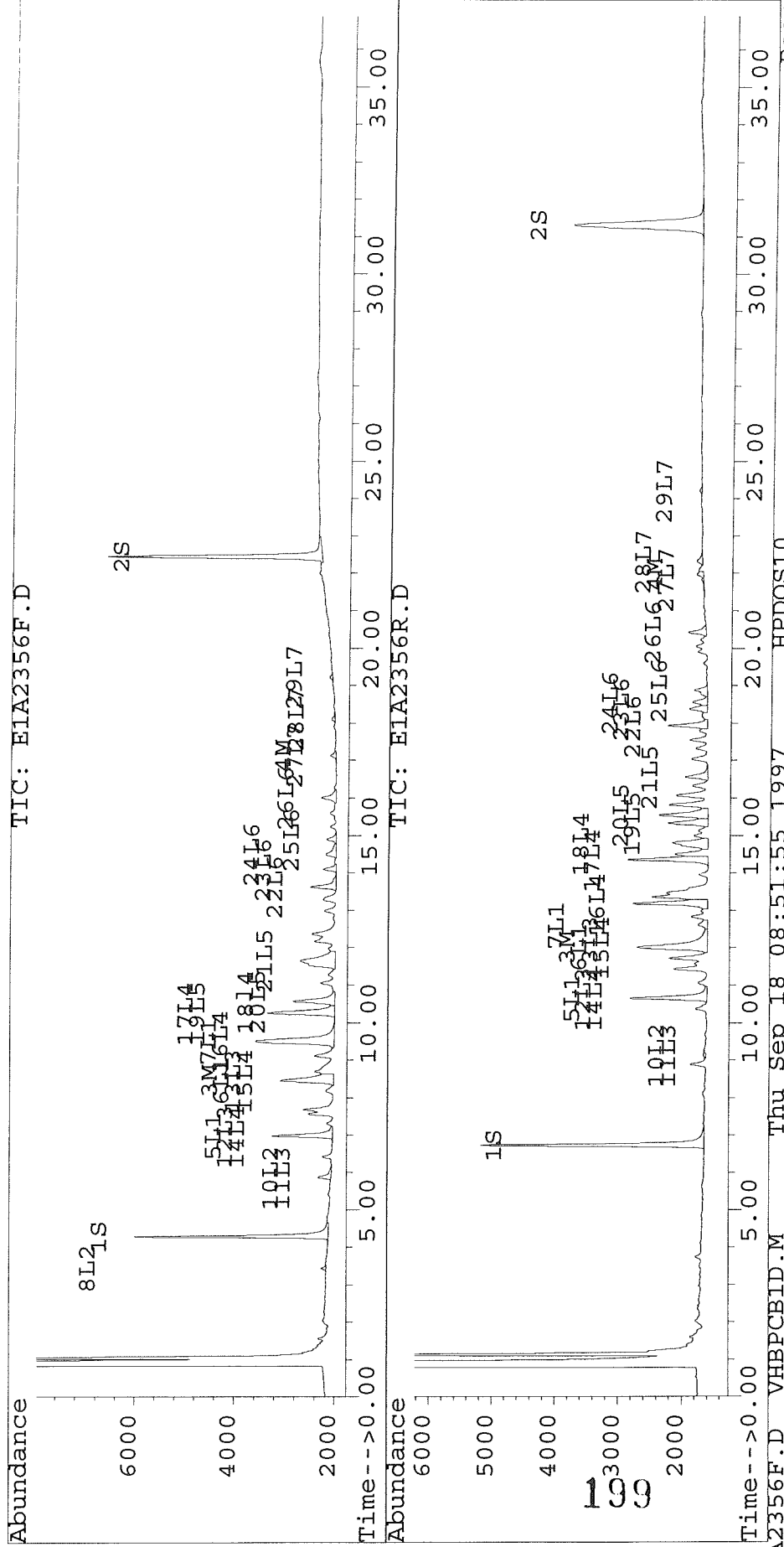
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Quantitation Report

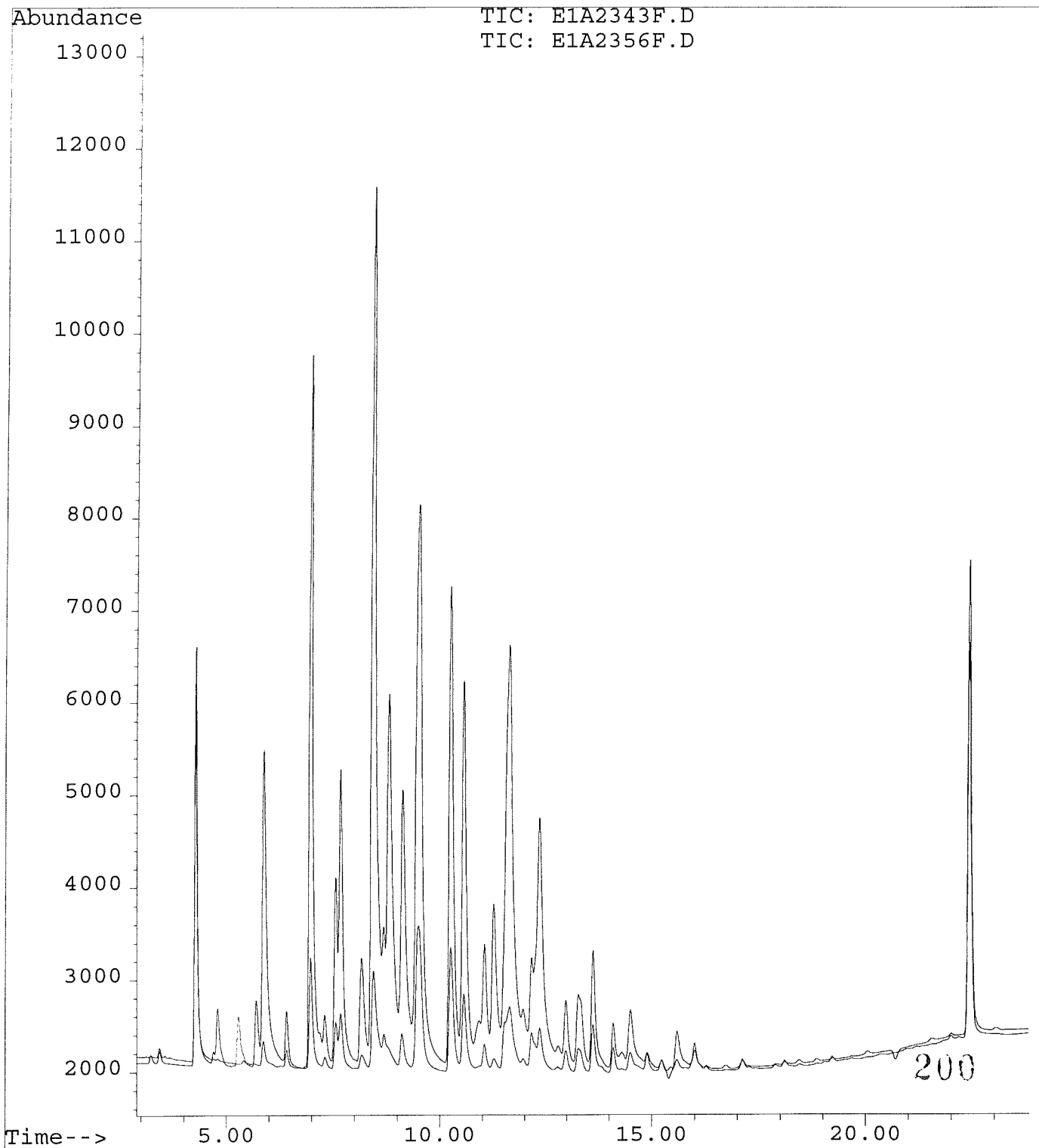
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 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2356R.D
 Acq On : 17 Sep 97 09:46 PM Operator: JS
 Sample : D1414-25,J1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970915\E1A2343F.D
Operator : JS
Acquired : 17 Sep 97 10:05 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DB,AR1242DB,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 60



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357F.D\E1A2357R.D
 Acq On : 17 Sep 97 10:27 PM Operator: JS
 Sample : D1414-26,J2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.72	3392	3098	15.910	15.441
			Recovery	=	79.55%	77.21%
2) S Decachlorobiphenyl	22.43	31.33	3774	1803	15.446m	15.103
			Recovery	=	77.23%	75.52%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	362	408	5.063	5.742
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	128	118	0.816	0.749
5) L1 Aroclor-1016	6.98	10.66	143	156	5.228	5.851
6) L1 Aroclor-1016 {2}	8.46	12.03	362	408	9.523	14.125 #
7) L1 Aroclor-1016 {3}	9.51	12.60	468	102	21.669	7.446 #
Total Aroclor-1016			972	666	36.419	27.422
Average Aroclor-1016					12.140	9.141
8) L2 Aroclor-1221	3.42	0.00	71	0	8.355	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.33	0	31	N.D.	5.110 #
10) L2 Aroclor-1221 {3}	5.87	9.12	50	19	2.884	1.305 #
Total Aroclor-1221			121	50	11.239	6.416
Average Aroclor-1221					5.619	3.208
11) L3 Aroclor-1232	5.87	9.12	50	19	3.736	1.622 #
12) L3 Aroclor-1232 {2}	6.98	10.66	143	156	11.727	12.556
13) L3 Aroclor-1232 {3}	8.46	12.03	362	408	22.441	33.427 #
Total Aroclor-1232			554	583	37.904	47.605
Average Aroclor-1232					12.635	15.868
14) L4 Aroclor-1242	6.98	10.66	143	156	3.892	4.334
15) L4 Aroclor-1242 {2}	8.46	12.03	362	408	8.177	10.545 #
16) L4 Aroclor-1242 {3}	9.51	13.18	468	373	16.459	17.154
17) L4 Aroclor-1242 (4)	10.26	14.36	397	353	16.298	15.423
18) L4 Aroclor-1242 (5)	10.56	14.81	267	339	13.429	24.347 #
Total Aroclor-1242			1636	1628	58.255	71.802
Average Aroclor-1242					11.651	14.360
19) L5 Aroclor-1248	10.26	15.33	397	255	16.900	13.026

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357F.D\E1A2357R.D
 Acq On : 17 Sep 97 10:27 PM Operator: JS
 Sample : D1414-26,J2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	267	247	13.707	12.398
21) L5 Aroclor-1248 {3}	11.64	16.57	288	148	12.431	9.709
Total Aroclor-1248			952	650	43.037	35.133
Average Aroclor-1248					14.346	11.711
22) L6 Aroclor-1254	13.62	17.94	426	532	7.277	8.073
23) L6 Aroclor-1254 {2}	14.10	18.39	240	298	7.903	8.445
24) L6 Aroclor-1254 {3}	14.50	18.56	201	274	6.422	9.603 #
25) L6 Aroclor-1254 (4)	14.89	18.88	227	259	8.440	9.014
26) L6 Aroclor-1254 (5)	16.01	20.43	360	355	7.453	7.970
Total Aroclor-1254			1454	1717	37.496	43.106
Average Aroclor-1254					7.499	8.621
27) L7 Aroclor-1260	17.13	21.83	128	40	4.617	1.637 #
28) L7 Aroclor-1260 {2}	18.10	22.32	79	102	1.550	1.788
29) L7 Aroclor-1260 {3}	19.22	24.22	63	47	1.694	1.953
Total Aroclor-1260			270	189	7.862	5.377
Average Aroclor-1260					2.621	1.792

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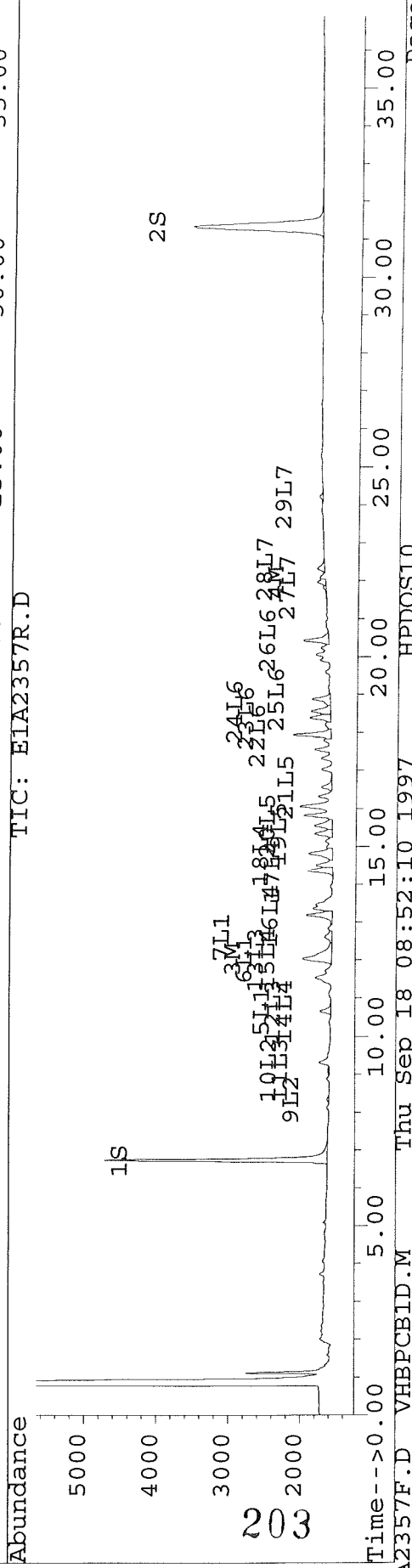
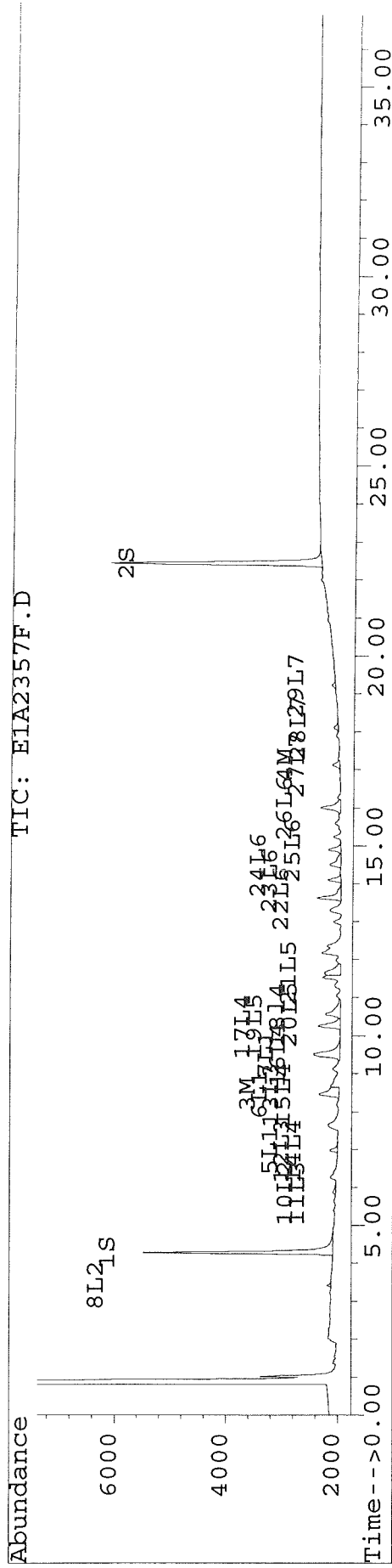
98 9/18/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357F.D Vial: 10
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2357R.D
 Acq On : 17 Sep 97 10:27 PM Operator: JS
 Sample : D1414-26,J2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363F.D\E1A2363R.D
 Acq On : 18 Sep 97 02:30 AM Operator: JS
 Sample : D1414-27,J3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3702	3382	17.364	16.859
			Recovery	=	86.82%	84.30%
2) S Decachlorobiphenyl	22.43	31.33	4242	2003	17.365m	16.775
			Recovery	=	86.83%	83.87%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	331	369	4.633	5.190
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	169	157	1.082	0.998
5) L1 Aroclor-1016	6.98	10.66	114	134	4.164	5.029
6) L1 Aroclor-1016 {2}	8.46	12.03	331	369	8.715	12.769 #
7) L1 Aroclor-1016 {3}	9.52	12.61	488	106	22.616	7.713 #
Total Aroclor-1016			933	609	35.494	25.511
Average Aroclor-1016					11.831	8.504
8) L2 Aroclor-1221	3.43	0.00	90	0	10.553	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	1584	N.D.	259.269 #
10) L2 Aroclor-1221 {3}	5.86	9.12	448	31	25.844	2.114 #
Total Aroclor-1221			538	1615	36.397	261.383
Average Aroclor-1221					18.199	130.691
11) L3 Aroclor-1232	5.86	9.12	448	31	33.484	2.627 #
12) L3 Aroclor-1232 {2}	6.98	10.66	114	134	9.340	10.792
13) L3 Aroclor-1232 {3}	8.46	12.03	331	369	20.537	30.217 #
Total Aroclor-1232			893	534	63.361	43.636
Average Aroclor-1232					21.120	14.545
14) L4 Aroclor-1242	6.98	10.66	114	134	3.100	3.725
15) L4 Aroclor-1242 {2}	8.46	12.03	331	369	7.483	9.532 #
16) L4 Aroclor-1242 {3}	9.52	13.18	488	387	17.179	17.792
17) L4 Aroclor-1242 (4)	10.26	14.37	394	346	16.199	15.118
18) L4 Aroclor-1242 (5)	10.57	14.81	277	379	13.951	27.246 #
Total Aroclor-1242			1604	1615	57.912	73.413
Average Aroclor-1242					11.582	14.683
19) L5 Aroclor-1248	10.26	15.34	394	302	16.797	15.398

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363F.D\E1A2363R.D
 Acq On : 18 Sep 97 02:30 AM Operator: JS
 Sample : D1414-27,J3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.56	277	263	14.239	13.212
21) L5 Aroclor-1248 {3}	11.65	16.57	335	170	14.426	11.151
Total Aroclor-1248			1006	735	45.463	39.760
Average Aroclor-1248					15.154	13.253
22) L6 Aroclor-1254	13.62	17.94	503	624	8.586	9.476
23) L6 Aroclor-1254 {2}	14.10	18.38	298	365	9.804	10.321
24) L6 Aroclor-1254 {3}	14.51	18.56	256	340	8.195	11.921 #
25) L6 Aroclor-1254 (4)	14.90	18.88	301	332	11.203	11.570
26) L6 Aroclor-1254 (5)	16.01	20.43	485	487	10.038	10.939
Total Aroclor-1254			1843	2148	47.825	54.228
Average Aroclor-1254					9.565	10.846
27) L7 Aroclor-1260	17.13	21.83	169	58	6.125	2.377 #
28) L7 Aroclor-1260 {2}	18.11	22.32	125	153	2.471	2.682
29) L7 Aroclor-1260 {3}	19.22	24.22	111	76	2.964	3.169
Total Aroclor-1260			405	287	11.560	8.229
Average Aroclor-1260					3.853	2.743

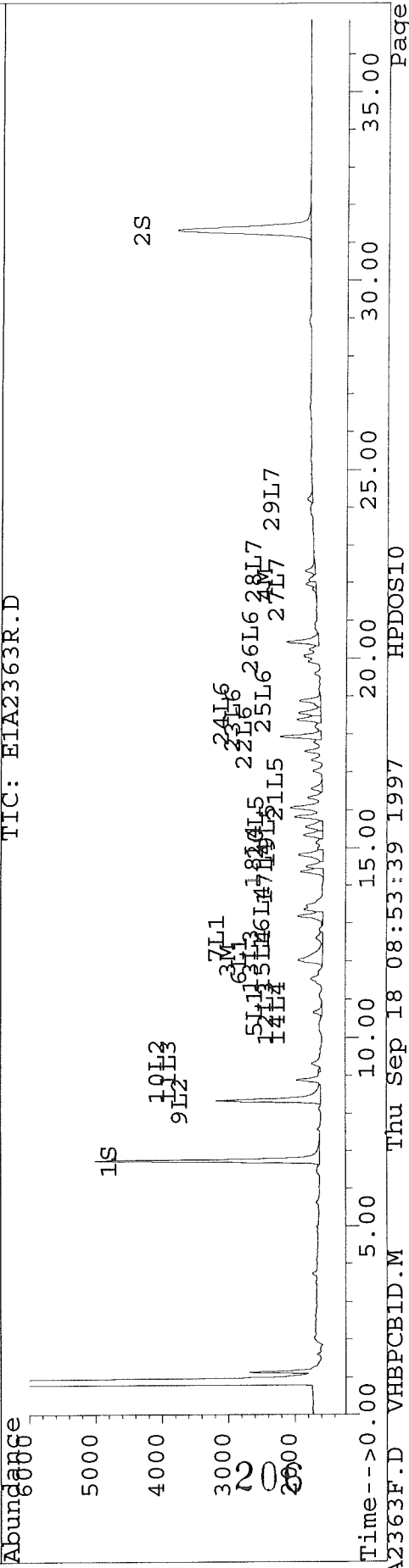
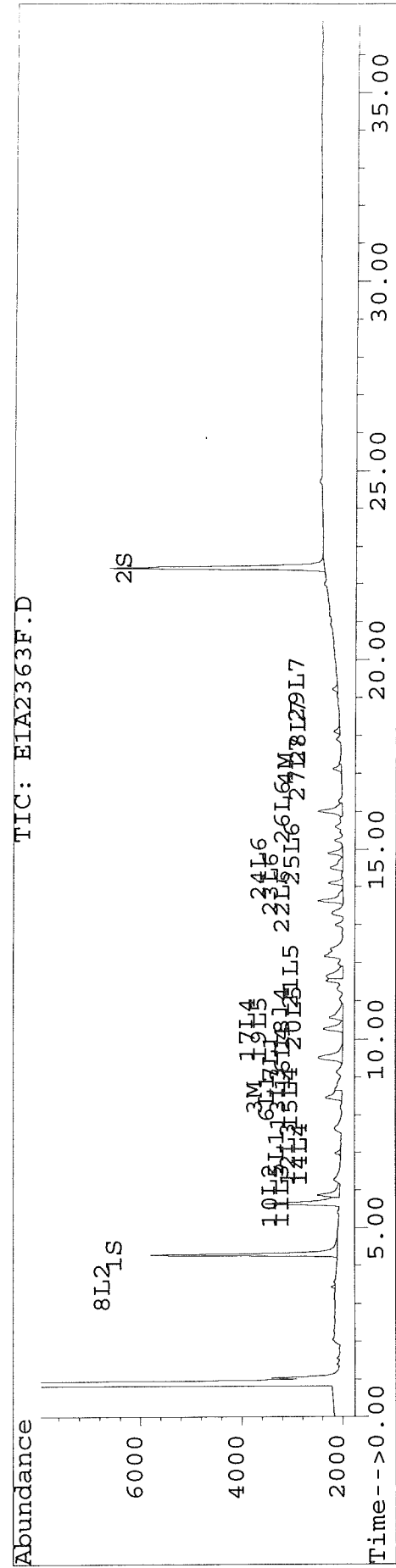
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98 9/18/97 205

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363F.D Vial: 16
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2363R.D
 Acq On : 18 Sep 97 02:30 AM Operator: JS
 Sample : D1414-27,J3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:43 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2364F.D Vial: 17
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2364F.D\E1A2364R.D
 Acq On : 18 Sep 97 03:11 AM Operator: JS
 Sample : D1414-28,J4-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:44 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3753	3457	17.602	17.231
			Recovery	=	88.01%	86.16%
2) S Decachlorobiphenyl	22.43	31.33	4412	2105	18.061m	17.628
			Recovery	=	90.31%	88.14%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.02	24479	20831	342.771	293.310
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	2334	1658	14.918	10.546 #
5) L1 Aroclor-1016	6.97	10.65	7407	7106	271.542	266.485
6) L1 Aroclor-1016 {2}	8.42f	12.02	24479	20831	644.774	721.591
7) L1 Aroclor-1016 {3}	9.51	12.60	19565	2906	905.959	211.629 #
Total Aroclor-1016			51451	30843	1822.274	1199.705
Average Aroclor-1016					607.425	399.902
8) L2 Aroclor-1221	3.43	0.00	88	0	10.387	N.D. #
9) L2 Aroclor-1221 {2}	5.29	8.34	72	564	11.084	92.322 #
10) L2 Aroclor-1221 {3}	5.87	9.13	1452	624	83.686	42.473 #
Total Aroclor-1221			1612	1188	105.157	134.796
Average Aroclor-1221					35.052	67.398
11) L3 Aroclor-1232	5.87	9.13	1452	624	108.424	52.768 #
12) L3 Aroclor-1232 {2}	6.97	10.65	7407	7106	609.123	571.844
13) L3 Aroclor-1232 {3}	8.42f	12.02	24479	20831	1519.398	1707.644
Total Aroclor-1232			33338	28561	2236.944	2332.256
Average Aroclor-1232					745.648	777.419
14) L4 Aroclor-1242	6.97	10.65	7407	7106	202.160	197.379
15) L4 Aroclor-1242 {2}	8.42f	12.02	24479	20831	553.614	538.709
16) L4 Aroclor-1242 {3}	9.51	13.18	19565	13067	688.165	601.460
17) L4 Aroclor-1242 (4)	10.25	14.36	19287	15595	792.233	681.124
18) L4 Aroclor-1242 (5)	10.56	14.81	15306	12108	770.370	869.883
Total Aroclor-1242			86044	68707	3006.542	2888.555
Average Aroclor-1242					601.308	577.711
19) L5 Aroclor-1248	10.25	15.32	19287	7385	821.481	377.061 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2364F.D Vial: 17
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2364F.D\E1A2364R.D
 Acq On : 18 Sep 97 03:11 AM Operator: JS
 Sample : D1414-28,J4-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:44 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.54	15306	8927	786.305	448.784 #
21) L5 Aroclor-1248 {3}	11.62	16.56	9379	3831	404.164	250.974 #
Total Aroclor-1248			43972	20144	2011.950	1076.819
Average Aroclor-1248					670.650	358.940
22) L6 Aroclor-1254	13.61	17.93	8550	8954	145.897	135.876
23) L6 Aroclor-1254 {2}	14.09	18.37	4413	4894	145.358	138.539
24) L6 Aroclor-1254 {3}	14.48f	18.56	4676	4019	149.411	140.995
25) L6 Aroclor-1254 (4)	14.89	18.88	4224	4027	157.358	140.337
26) L6 Aroclor-1254 (5)	16.00	20.43	6609	5708	136.663	128.297
Total Aroclor-1254			28472	27602	734.687	684.042
Average Aroclor-1254					146.937	136.808
27) L7 Aroclor-1260	17.12	21.82	2334	776	84.438	31.651 #
28) L7 Aroclor-1260 {2}	18.10	22.31	2034	2112	40.055	36.951
29) L7 Aroclor-1260 {3}	19.21	24.21	1726	1046	46.274	43.726
Total Aroclor-1260			6094	3934	170.767	112.329
Average Aroclor-1260					56.922	37.443

AR1242
~~88.165~~
~~792.233~~
~~770.370~~

AR1242
~~2668.555 x 25~~

AR1242
~~688.165~~
~~792.233~~
~~770.370~~

5409

5400 W

2256768 x 25
 15 x 0.89 x 0.6

15 x 0.89
 7,624

7,000 Ag/ug JS 9/19/97

AR1254

684.042 x 25
 15 x 0.89 = 1280

1300 W

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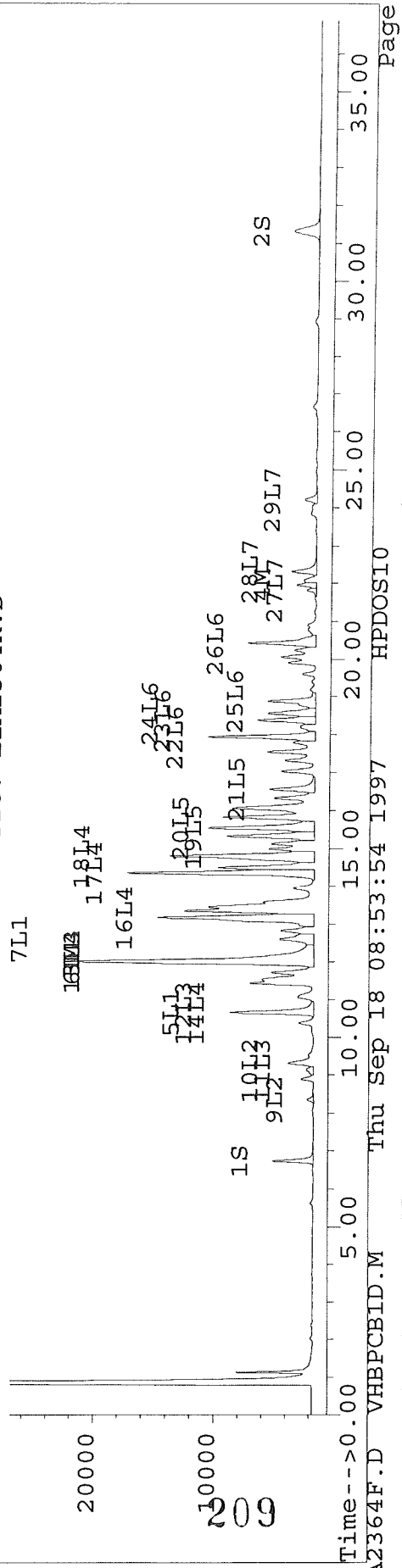
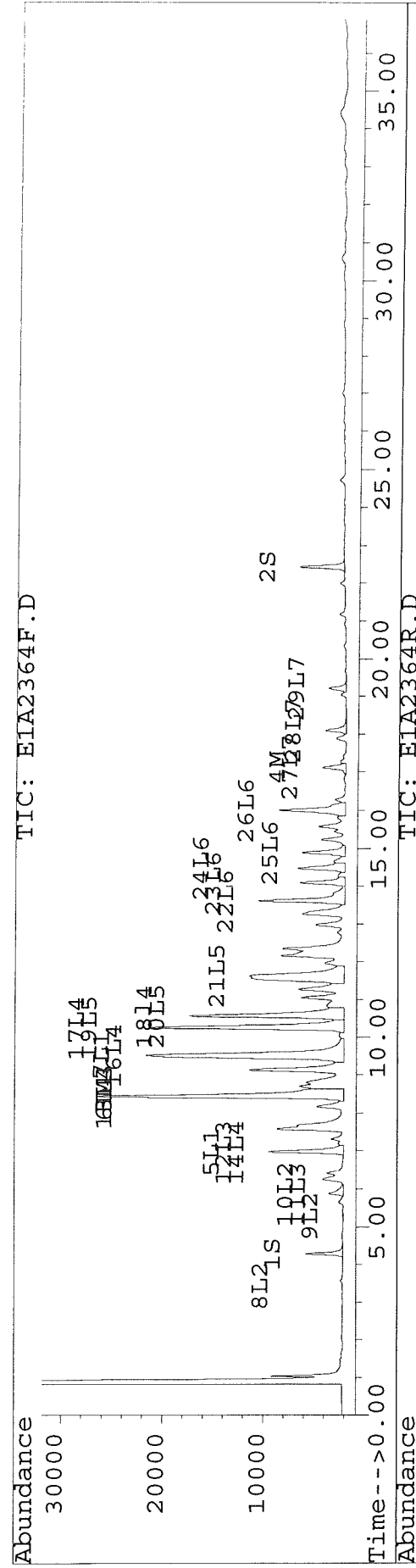
JS 9/18/97

Quantitation Report

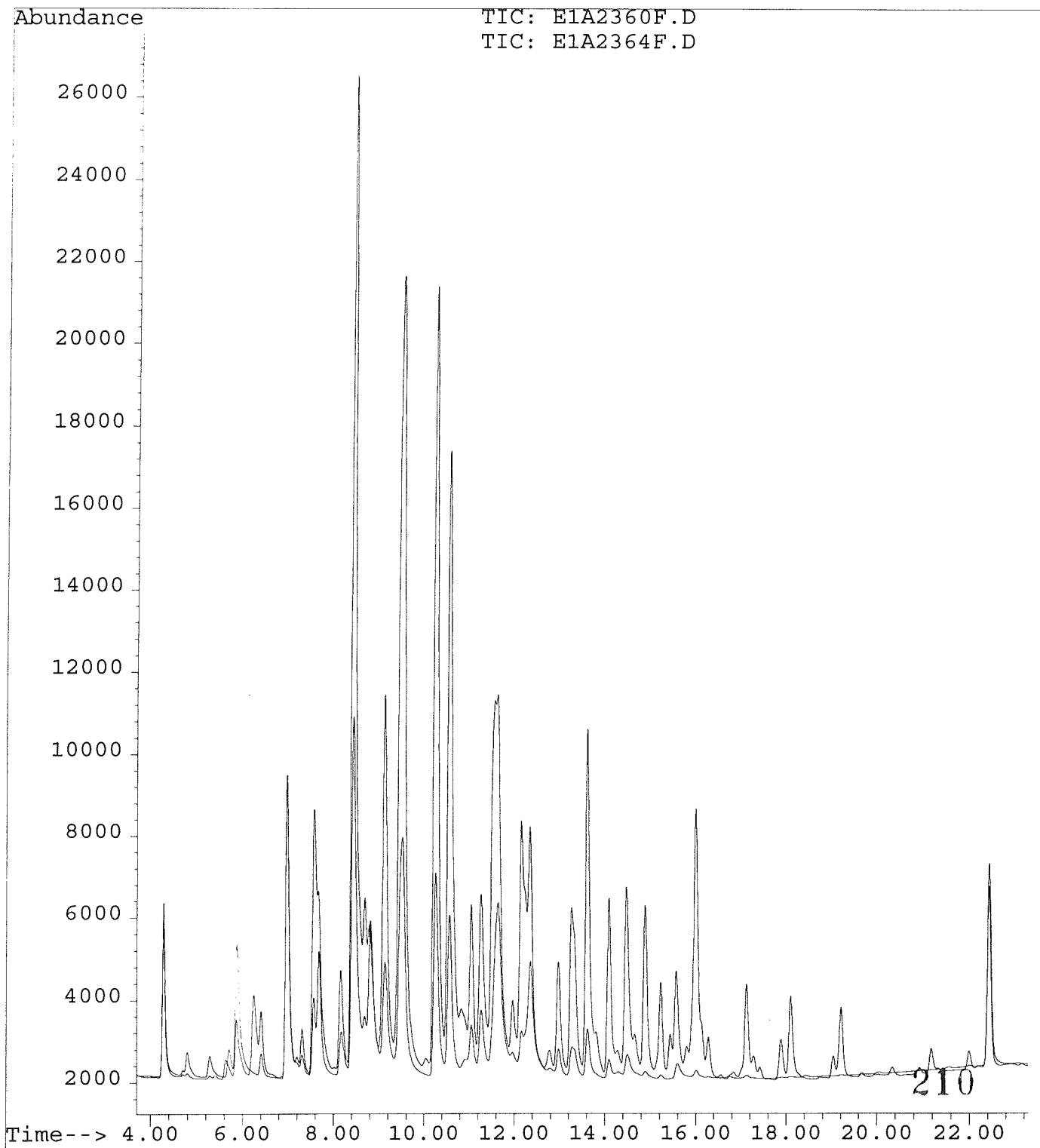
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 Acq On : 18 Sep 97 03:11 AM Operator: JS
 Sample : D1414-28, J4-C1, P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:44 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

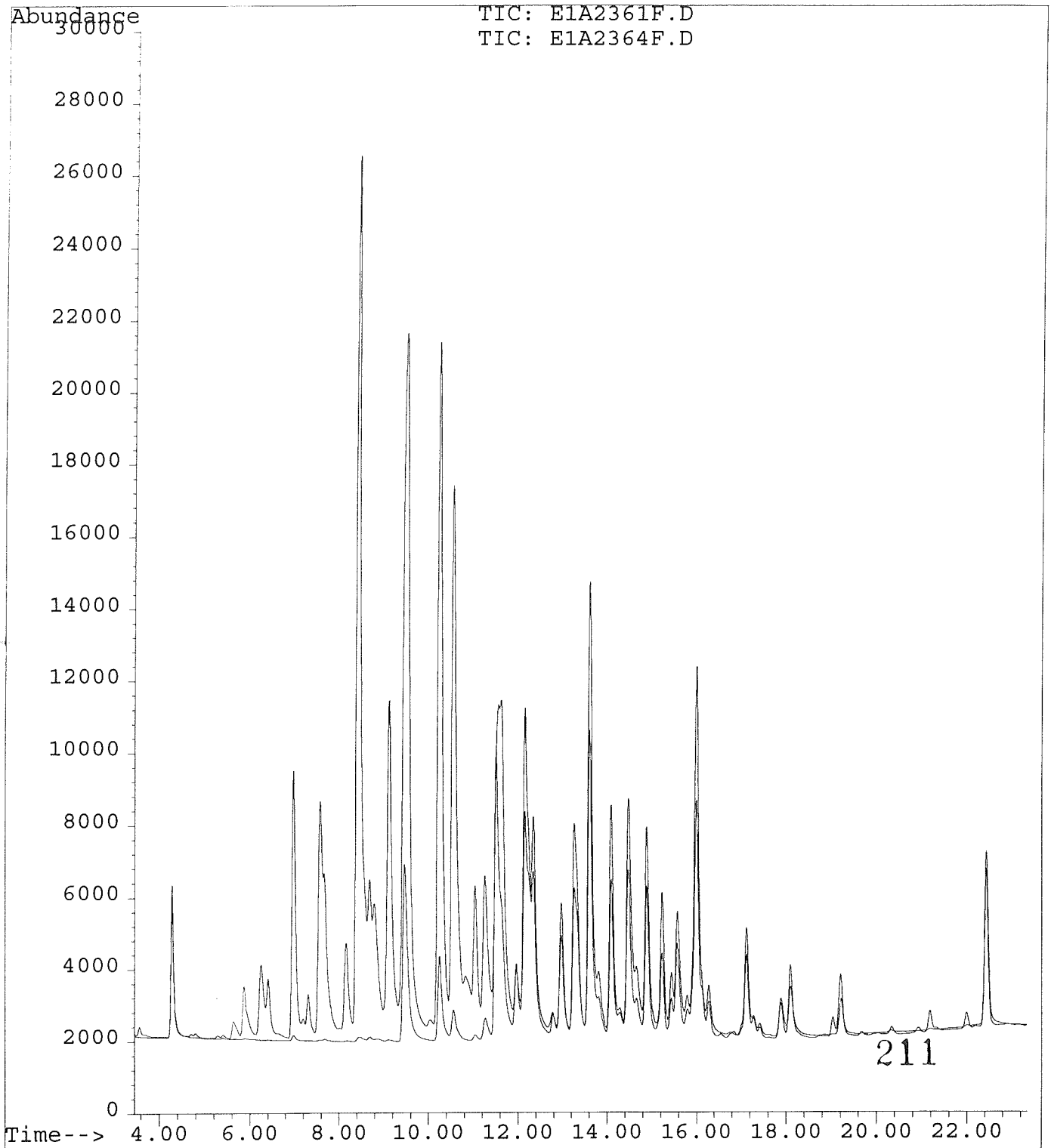
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



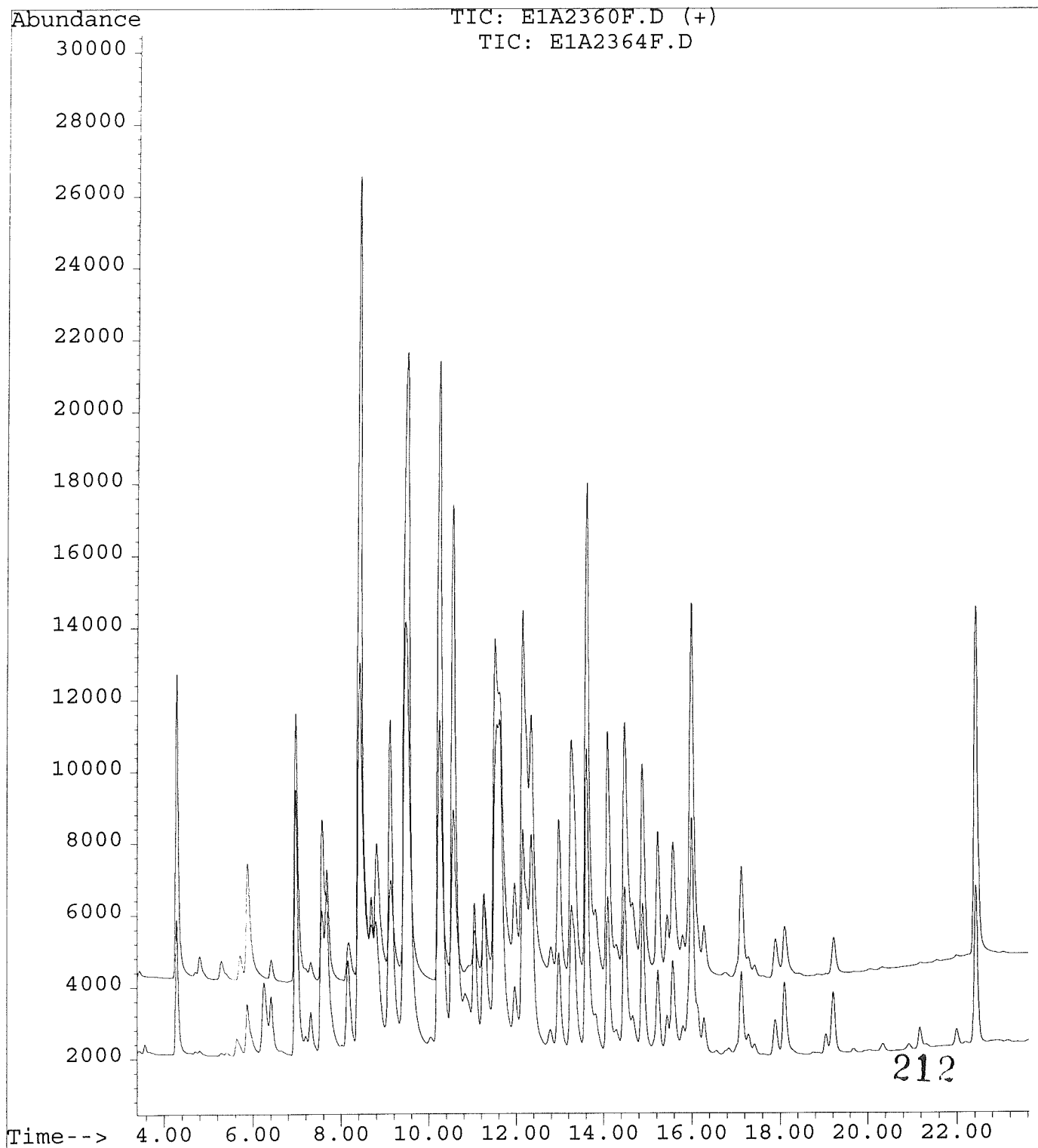
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Operator : JS
Acquired : 18 Sep 97 00:29 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 13



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D
Operator : JS
Acquired : 18 Sep 97 01:09 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,1
Vial Number: 14



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2364F.D
Operator : JS
Acquired : 18 Sep 97 03:11 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: D1414-28,J4-C1,P0916-B2
Misc Info : 0,,,2,,25000,,15.0,11,16-SEP-97,11-SEP-97
Vial Number: 17



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2365F.D Vial: 18
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2365F.D\E1A2365R.D
 Acq On : 18 Sep 97 03:51 AM Operator: JS
 Sample : D1414-29,J5-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,8,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:44 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	4004	3580	18.780	17.848
			Recovery	=	93.90%	89.24%
2) S Decachlorobiphenyl	22.43	31.33	4480	2069	18.338m	17.324m
			Recovery	=	91.69%	86.62%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.47	12.04	237	283	3.315	3.987
4) M 2,2',3,3',4,4'-Hexa	17.13	21.97	71	114	0.451	0.723 #
5) L1 Aroclor-1016	6.98	10.66	90	94	3.315	3.511
6) L1 Aroclor-1016 {2}	8.47	12.04	237	283	6.235	9.808 #
7) L1 Aroclor-1016 {3}	9.52	12.61	287	64	13.296	4.634 #
Total Aroclor-1016			614	440	22.846	17.953
Average Aroclor-1016					7.615	5.984
8) L2 Aroclor-1221	3.43	0.00	91	0	10.718	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	515	N.D.	84.354 #
10) L2 Aroclor-1221 {3}	5.87	0.00	63	0	3.605	N.D. #
Total Aroclor-1221			154	515	14.324	84.354
Average Aroclor-1221					7.162	84.354
11) L3 Aroclor-1232	5.87	0.00	63	0	4.671	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.66	90	94	7.437	7.534
13) L3 Aroclor-1232 {3}	8.47	12.04	237	283	14.694	23.210 #
Total Aroclor-1232			390	377	26.802	30.744
Average Aroclor-1232					8.934	15.372
14) L4 Aroclor-1242	6.98	10.66	90	94	2.468	2.601
15) L4 Aroclor-1242 {2}	8.47	12.04	237	283	5.354	7.322 #
16) L4 Aroclor-1242 {3}	9.52	13.19	287	215	10.099	9.919
17) L4 Aroclor-1242 (4)	10.26	14.37	239	222	9.825	9.692
18) L4 Aroclor-1242 (5)	10.57	14.82	180	212	9.052	15.251 #
Total Aroclor-1242			1033	1026	36.799	44.785
Average Aroclor-1242					7.360	8.957
19) L5 Aroclor-1248	10.26	15.34	239	129	10.187	6.607 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2365F.D Vial: 18
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2365F.D\E1A2365R.D
 Acq On : 18 Sep 97 03:51 AM Operator: JS
 Sample : D1414-29,J5-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,8,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 8:44 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	180	140	9.240	7.023
21) L5 Aroclor-1248 {3}	11.66	16.60	116	122	4.978	8.018 #
Total Aroclor-1248			535	392	24.405	21.648
Average Aroclor-1248					8.135	7.216
22) L6 Aroclor-1254	13.63	17.94	153	214	2.615	3.248
23) L6 Aroclor-1254 {2}	14.10	18.39	110	178	3.613	5.044 #
24) L6 Aroclor-1254 {3}	14.51	18.56	113	136	3.602	4.783 #
25) L6 Aroclor-1254 (4)	14.90	18.88	122	93	4.538	3.252 #
26) L6 Aroclor-1254 (5)	16.01	20.43	147	123	3.033	2.763
Total Aroclor-1254			644	745	17.401	19.090
Average Aroclor-1254					3.480	3.818
27) L7 Aroclor-1260	17.13	21.79	71	96	2.554	3.894 #
28) L7 Aroclor-1260 {2}	18.10	22.33	57	135	1.121	2.364 #
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			128	231	3.676	6.258
Average Aroclor-1260					1.838	3.129

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JS 9/18/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366R.D
 Acq On : 18 Sep 97 04:32 AM Operator: JS
 Sample : D1414-30,J6-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.27	6.73	3571	3322	16.750	16.559
			Recovery	=	83.75%	82.80%
2) S Decachlorobiphenyl	22.43	31.33	4080	2077	16.702m	17.391
			Recovery	=	83.51%	86.96%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	121	145	1.690	2.048
4) M 2,2',3,3',4,4'-Hexa	17.07f	0.00	1173	0	7.496	N.D. #
5) L1 Aroclor-1016	6.98	10.66	44	67	1.614	2.508 #
6) L1 Aroclor-1016 {2}	8.46	12.03	121	145	3.180	5.040 #
7) L1 Aroclor-1016 {3}	9.48f	12.60	245	58	11.335	4.201 #
Total Aroclor-1016			410	270	16.130	11.749
Average Aroclor-1016					5.377	3.916
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	8.34	0	235	N.D.	38.537 #
10) L2 Aroclor-1221 {3}	5.86	0.00	969	0	55.857	N.D. #
Total Aroclor-1221			969	235	55.857	38.537
Average Aroclor-1221					55.857	38.537
11) L3 Aroclor-1232	5.86	0.00	969	0	72.369	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.66	44	67	3.621	5.381 #
13) L3 Aroclor-1232 {3}	8.46	12.03	121	145	7.493	11.926 #
Total Aroclor-1232			1134	212	83.483	17.308
Average Aroclor-1232					27.828	8.654
14) L4 Aroclor-1242	6.98	10.66	44	67	1.202	1.857 #
15) L4 Aroclor-1242 {2}	8.46	12.03	121	145	2.730	3.762 #
16) L4 Aroclor-1242 {3}	9.48f	13.19	245	228	8.610	10.506
17) L4 Aroclor-1242 (4)	10.26	14.37	206	158	8.454	6.879
18) L4 Aroclor-1242 (5)	10.56	14.81	111	155	5.595	11.104 #
Total Aroclor-1242			727	753	26.592	34.109
Average Aroclor-1242					5.318	6.822
19) L5 Aroclor-1248	10.26	15.33	206	177	8.762	9.059

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366F.D\E1A2366R.D
 Acq On : 18 Sep 97 04:32 AM Operator: JS
 Sample : D1414-30,J6-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	111	129	5.711	6.481
21) L5 Aroclor-1248 {3}	0.00	16.56	0	89	N.D.	5.808 #
Total Aroclor-1248			317	395	14.477	21.348
Average Aroclor-1248					7.239	7.116
22) L6 Aroclor-1254	13.62	17.93	1071	1121	18.278	17.008
23) L6 Aroclor-1254 {2}	14.10	18.37	894	482	29.458	13.647 #
24) L6 Aroclor-1254 {3}	14.48	18.56	437	918	13.968	32.202 #
25) L6 Aroclor-1254 (4)	14.89	18.88	853	923	31.766	32.152
26) L6 Aroclor-1254 (5)	16.01	20.45	1500	2056	31.009	46.223 #
Total Aroclor-1254			4755	5500	124.479	141.232
Average Aroclor-1254					24.896	28.246
27) L7 Aroclor-1260	17.07f	21.82	1131	540	40.916m	22.030 #
28) L7 Aroclor-1260 {2}	18.08	0.00	1763	0	34.708	N.D. #
29) L7 Aroclor-1260 {3}	19.21	24.22	632	478	16.940	20.005
Total Aroclor-1260			3525	1019	92.564	42.035
Average Aroclor-1260					30.855	21.018

AR1254

$$\frac{124.479 \text{ ng/ml} \times 25 \text{ mL}}{15.0 \text{ g} \times 0.83} = 249 \text{ ng/g}$$

29.458
 31.766
 31.009

$$92.233 \times 25$$

$$15 \times 8.3 \times 0.83 = 308$$

310

9/19/97

250

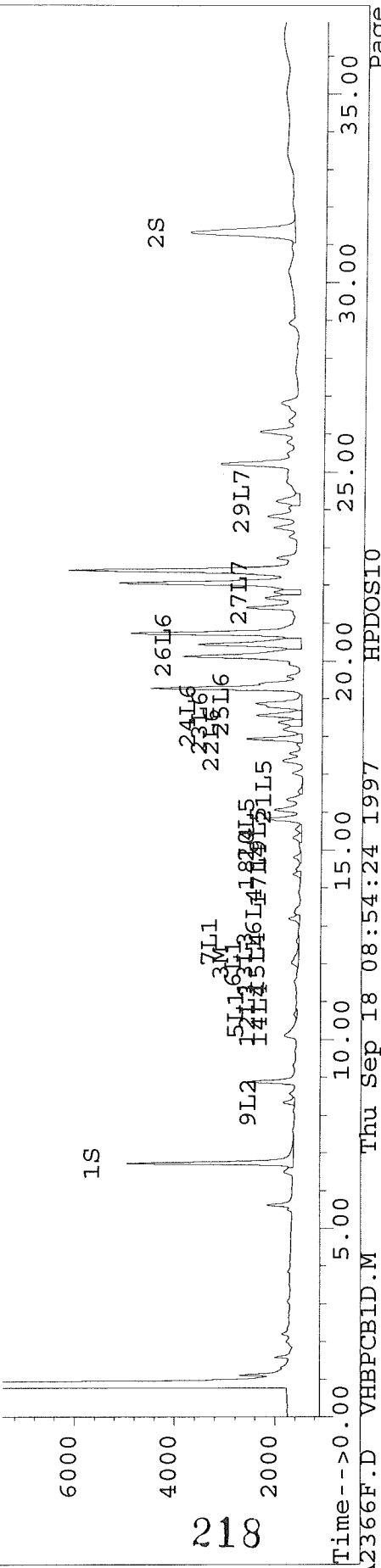
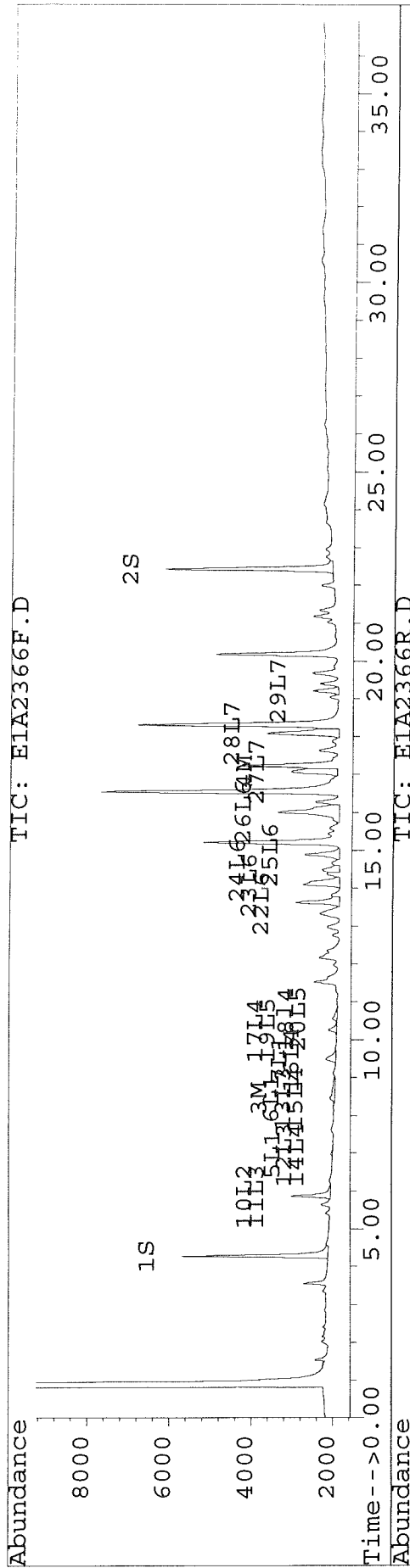
217

9/18/97

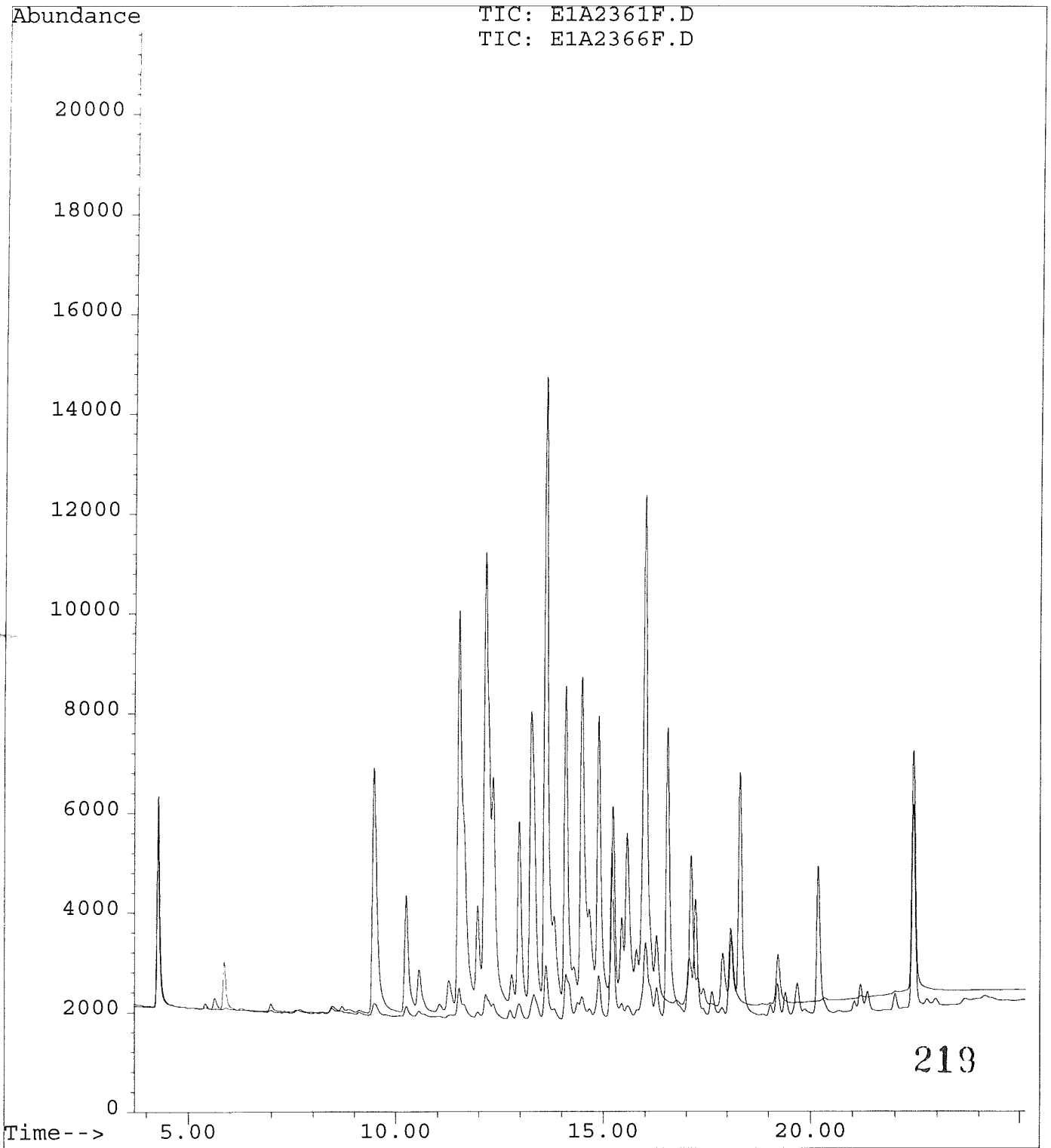
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366F.D Vial: 19
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2366F.D
 Acq On : 18 Sep 97 04:32 AM Operator: JS
 Sample : D1414-30,J6-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2361F.D
Operator : JS
Acquired : 18 Sep 97 01:09 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D\E1A2367R.D
 Acq On : 18 Sep 97 05:13 AM Operator: JS
 Sample : D1414-31,J8-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3926	3509	18.415	17.492
			Recovery	=	92.07%	87.46%
2) S Decachlorobiphenyl	22.43	31.33	4237	2028	17.341	16.983
			Recovery	=	86.71%	84.92%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.43	12.01	3852	3288	53.934	46.294
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	1822	1559	11.647	9.915
5) L1 Aroclor-1016	6.97	10.65	3151	2987	115.502	112.010
6) L1 Aroclor-1016 {2}	8.43	12.01	3852	3288	101.454	113.892
7) L1 Aroclor-1016 {3}	9.48f	12.61	4490	1245	207.913	90.648 #
Total Aroclor-1016			11493	7519	424.869	316.549
Average Aroclor-1016					141.623	105.516
8) L2 Aroclor-1221	3.43	0.00	87	0	10.229	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.35	81	92	12.460	15.005
10) L2 Aroclor-1221 {3}	5.88	9.13	732	641	42.213	43.634
Total Aroclor-1221			900	733	64.902	58.639
Average Aroclor-1221					21.634	29.319
11) L3 Aroclor-1232	5.88	9.13	732	641	54.691	54.210
12) L3 Aroclor-1232 {2}	6.97	10.65	3151	2987	259.095	240.361
13) L3 Aroclor-1232 {3}	8.43	12.01	3852	3288	239.074	269.524
Total Aroclor-1232			7735	6916	552.859	564.095
Average Aroclor-1232					184.286	188.032
14) L4 Aroclor-1242	6.97	10.65	3151	2987	85.990	82.963
15) L4 Aroclor-1242 {2}	8.43	12.01	3852	3288	87.110	85.027
16) L4 Aroclor-1242 {3}	9.48f	13.18	4490	3738	157.930	172.049
17) L4 Aroclor-1242 (4)	10.25	14.36	3451	3040	141.769	132.762
18) L4 Aroclor-1242 (5)	10.56	14.81	2313	1745	116.409	125.390
Total Aroclor-1242			17257	14797	589.208 598.191	598.191
Average Aroclor-1242					117.842	119.638
19) L5 Aroclor-1248	10.25	15.32	3451	2223	147.003	113.497

220

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D\E1A2367R.D
 Acq On : 18 Sep 97 05:13 AM Operator: JS
 Sample : D1414-31,J8-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.54	2313	1733	118.817	87.115 #
21) L5 Aroclor-1248 {3}	0.00	16.56	0	962	N.D.	62.993 #
Total Aroclor-1248			5764	4918	265.820	263.605
Average Aroclor-1248					132.910	87.868
22) L6 Aroclor-1254	13.61	17.93	6560	6752	111.953	102.461
23) L6 Aroclor-1254 {2}	14.09	18.37	3392	4350	111.717	123.139
24) L6 Aroclor-1254 {3}	14.47f	18.56	4158	3006	132.865	105.456
25) L6 Aroclor-1254 (4)	14.88	18.88	3394	3374	126.420	117.575
26) L6 Aroclor-1254 (5)	16.00	20.42	6214	5092	128.491	114.459
Total Aroclor-1254			23718	22574	611.446	<u>563.090</u>
Average Aroclor-1254					122.289	112.618
27) L7 Aroclor-1260	17.12	21.82	1822	418	65.926	17.020 #
28) L7 Aroclor-1260 {2}	18.10	22.32	1017	1057	20.021	18.493
29) L7 Aroclor-1260 {3}	19.21	24.21	814	551	21.816	23.054
Total Aroclor-1260			3653	2026	107.763	58.567
Average Aroclor-1260					35.921	19.522

157.930
 141.769
 116.409

 416.108 x 25
 (15 x 0.47 x 0.6) = 1328

AR1242
~~589.208 ug/ml x 25ml = 1128~~
~~15.0g x 0.87~~ (1100) ug/g

1300 ug/g (9/19/97)

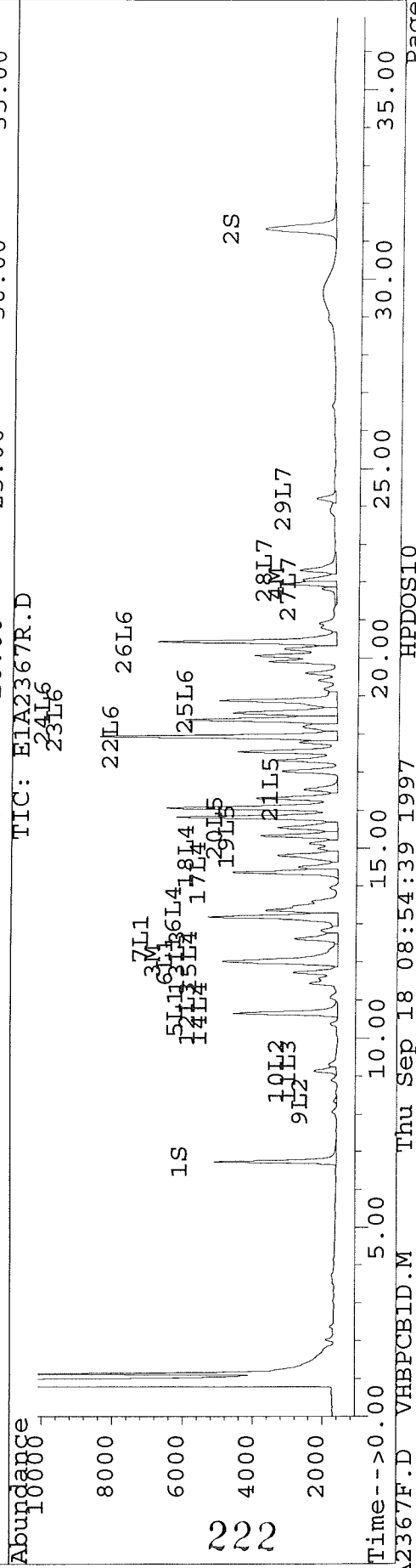
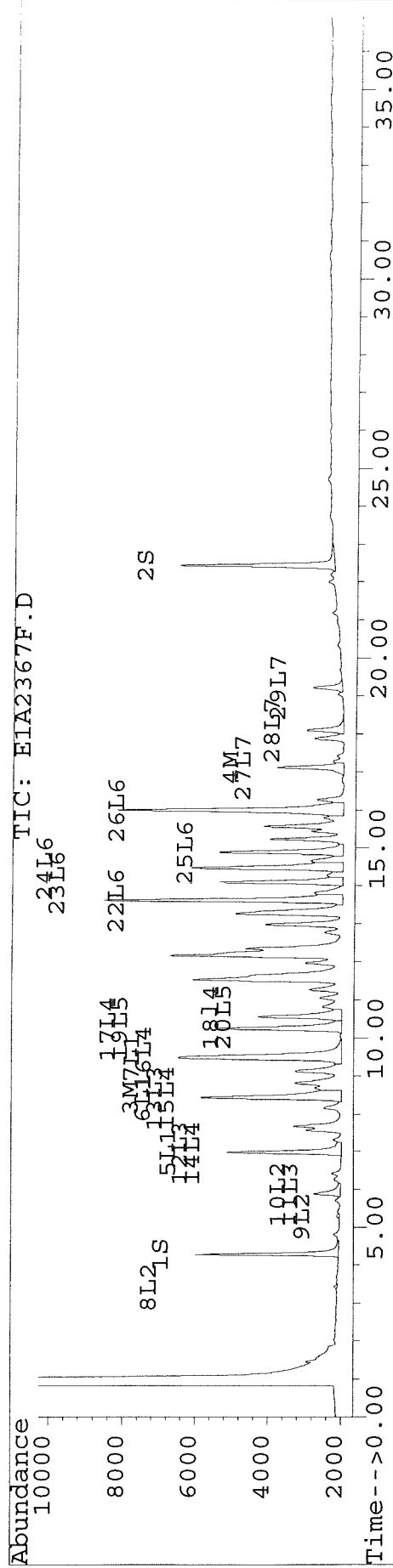
AR1254
 $\frac{563.090 \times 25}{15 \times 0.87} = 1078$ (1100)

221
 JS 9/18/97

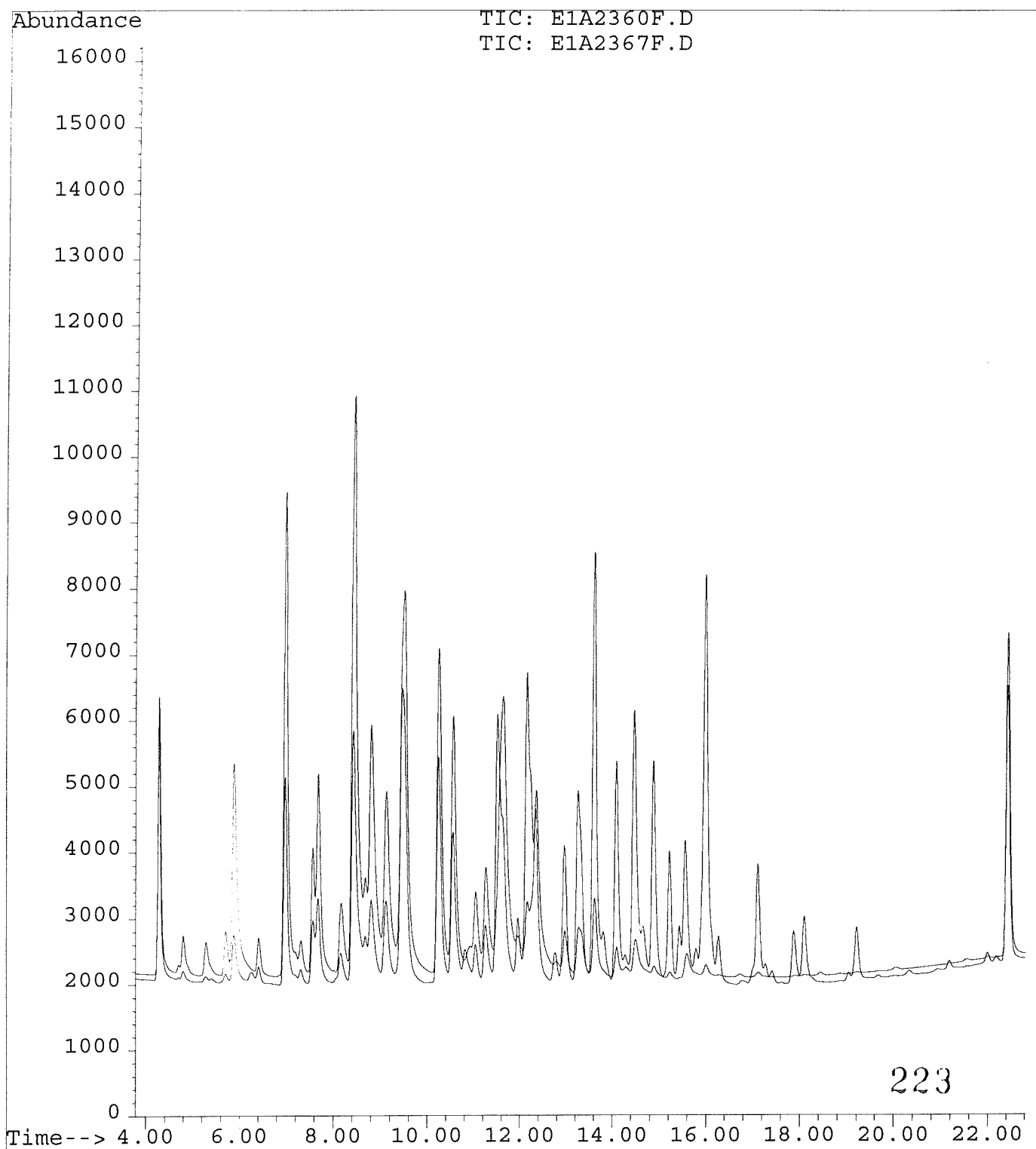
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D Vial: 20
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367R.D
 Acq On : 18 Sep 97 05:13 AM Operator: JS
 Sample : D1414-31,J8-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

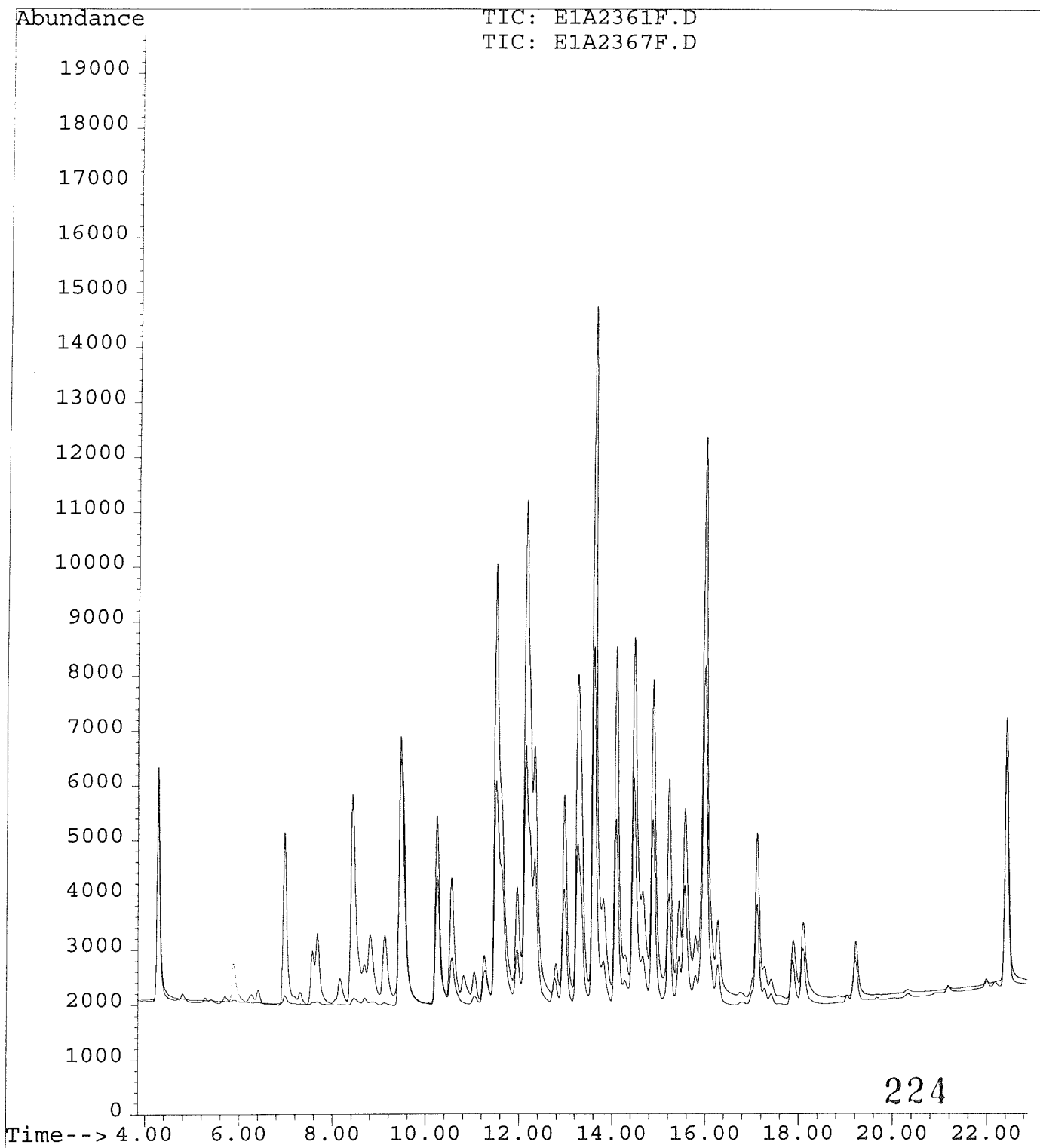
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



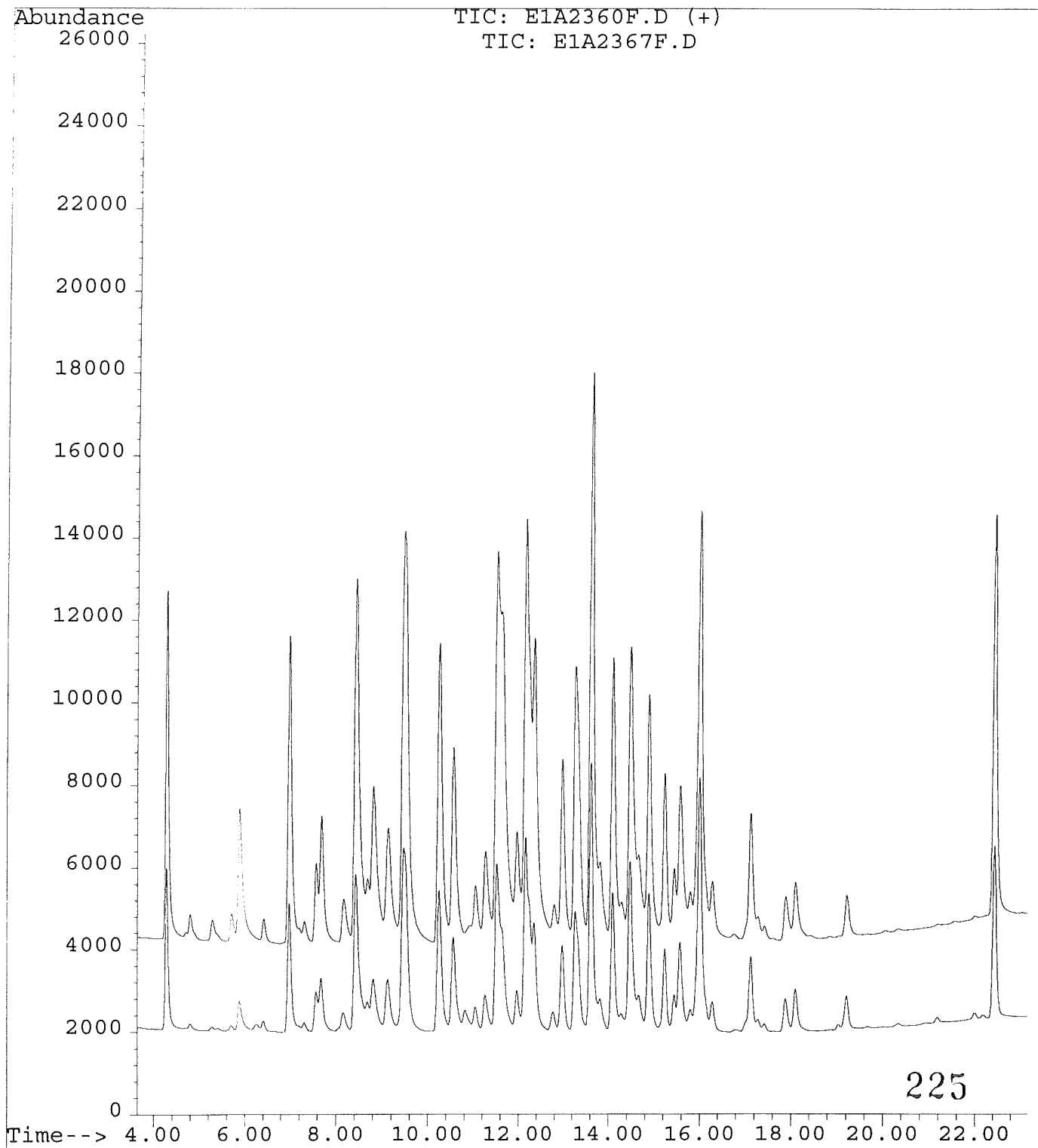
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Operator : JS
Acquired : 18 Sep 97 00:29 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 13



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D
Operator : JS
Acquired : 18 Sep 97 01:09 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2367F.D
Operator : JS
Acquired : 18 Sep 97 05:13 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: D1414-31,J8-C1,P0916-B2
Misc Info : 0,,2,,25000,,15.0,13,16-SEP-97,11-SEP-97
Vial Number: 20



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D\E1A2368R.D
 Acq On : 18 Sep 97 05:53 AM Operator: JS
 Sample : D1414-32,J10-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3474	3230	16.293	16.102
			Recovery	=	81.47%	80.51%
2) S Decachlorobiphenyl	22.43	31.33	4129	1945	16.902	16.293
			Recovery	=	84.51%	81.47%
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	17.12	0.00	27	0	0.175	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}	9.51	0.00	21	0	0.977	N.D. #
Total Aroclor-1016			21	0	0.977	N.D.
Average Aroclor-1016					0.977	0.000
8) L2 Aroclor-1221	3.43	0.00	85	0	10.029	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.37	0	21	N.D.	3.397 #
10) L2 Aroclor-1221 {3}	5.87	0.00	300	0	17.306	N.D. #
Total Aroclor-1221			385	21	27.335	3.397
Average Aroclor-1221					13.668	3.397
11) L3 Aroclor-1232	5.87	0.00	300	0	22.422	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			300	0	22.422	N.D.
Average Aroclor-1232					22.422	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}	9.51	0.00	21	0	0.742	N.D. #
17) L4 Aroclor-1242 (4)	10.26	0.00	21	0	0.878	N.D. #
18) L4 Aroclor-1242 (5)	10.54	0.00	26	0	1.311	N.D. #
Total Aroclor-1242			69	0	2.932	N.D.
Average Aroclor-1242					0.977	0.000
19) L5 Aroclor-1248	10.26	0.00	21	0	0.911	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D\E1A2368R.D
 Acq On : 18 Sep 97 05:53 AM Operator: JS
 Sample : D1414-32,J10-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.54	0.00	26	0	1.338	N.D. #
21) L5 Aroclor-1248 {3}	11.64	0.00	14	0	0.604	N.D. #
Total Aroclor-1248			61	0	2.853	N.D.
Average Aroclor-1248					0.951	0.000
22) L6 Aroclor-1254	13.63	17.94	42	54	0.715	0.826
23) L6 Aroclor-1254 {2}	14.10	18.39	28	34	0.926	0.958
24) L6 Aroclor-1254 {3}	14.50	18.56	19	37	0.604	1.294 #
25) L6 Aroclor-1254 (4)	14.90	18.88	39	24	1.450	0.832 #
26) L6 Aroclor-1254 (5)	16.01	20.43	47	47	0.981	1.058
Total Aroclor-1254			175	196	4.675	4.968
Average Aroclor-1254					0.935	0.994
27) L7 Aroclor-1260	17.12	0.00	27	0	0.990	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.22	24.22	19	96	0.510	4.006 #
Total Aroclor-1260			46	96	1.500	4.006
Average Aroclor-1260					0.750	4.006

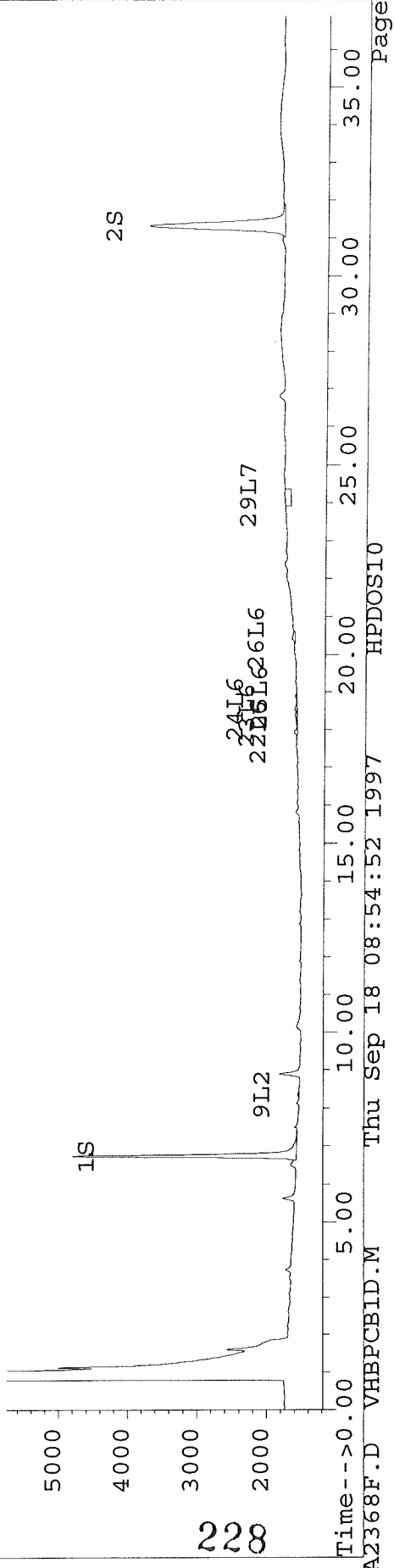
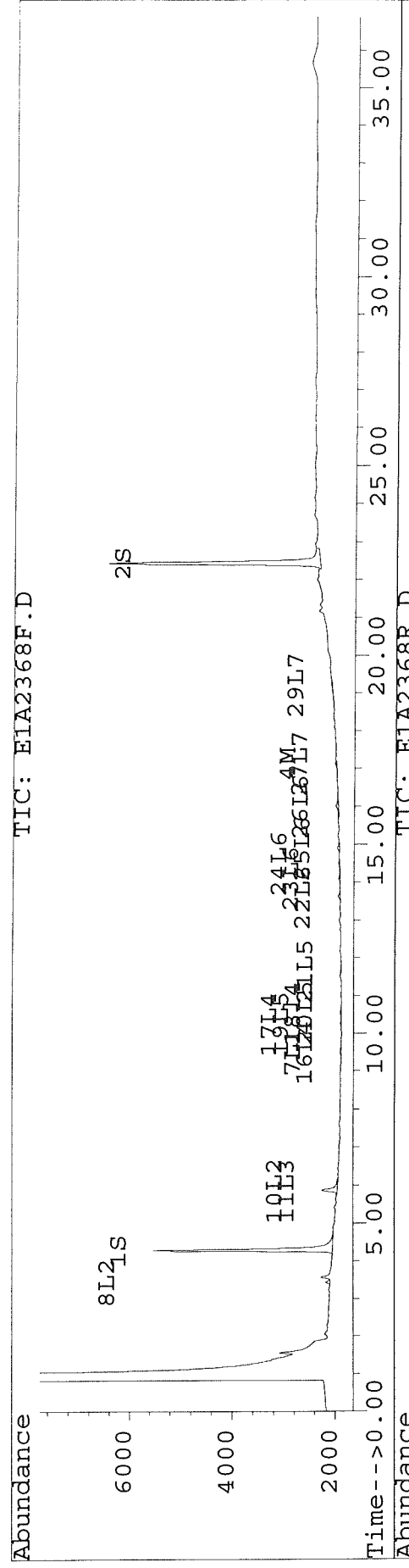
K

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 08/18/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D Vial: 21
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2368F.D
 Acq On : 18 Sep 97 05:53 AM Operator: JS
 Sample : D1414-32,J10-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,11,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2369F.D Vial: 22
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2369F.D\E1A2369R.D
 Acq On : 18 Sep 97 06:34 AM Operator: JS
 Sample : D1414-33,K1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3375	3165	15.829	15.780
			Recovery	=	79.15%	78.90%
2) S Decachlorobiphenyl	22.43	31.32	4026	1908	16.481	15.981
			Recovery	=	82.41%	79.91%
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	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	3.43	0.00	66	0	7.770	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	62	N.D.	10.120 #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			66	62	7.770	10.120
Average Aroclor-1221					7.770	10.120
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor-1242 (4)	10.26	0.00	16	0	0.655	N.D. #
18) L4 Aroclor-1242 (5)	10.53f	0.00	35	0	1.784	N.D. #
Total Aroclor-1242			51	0	2.439	N.D.
Average Aroclor-1242					1.219	0.000
19) L5 Aroclor-1248	10.26	0.00	16	0	0.679	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2369F.D Vial: 22
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2369F.D\E1A2369R.D
 Acq On : 18 Sep 97 06:34 AM Operator: JS
 Sample : D1414-33,K1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.53f	0.00	35	0	1.821	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			51	0	2.500	N.D.
Average Aroclor-1248					1.250	0.000
22) L6 Aroclor-1254	0.00	17.94	0	21	N.D.	0.314 #
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	18.54	0	27	N.D.	0.939 #
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.	N.D.
26) L6 Aroclor-1254 (5)	0.00	20.44	0	31	N.D.	0.706 #
Total Aroclor-1254			0	79	N.D.	1.960
Average Aroclor-1254					0.000	0.653
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

K

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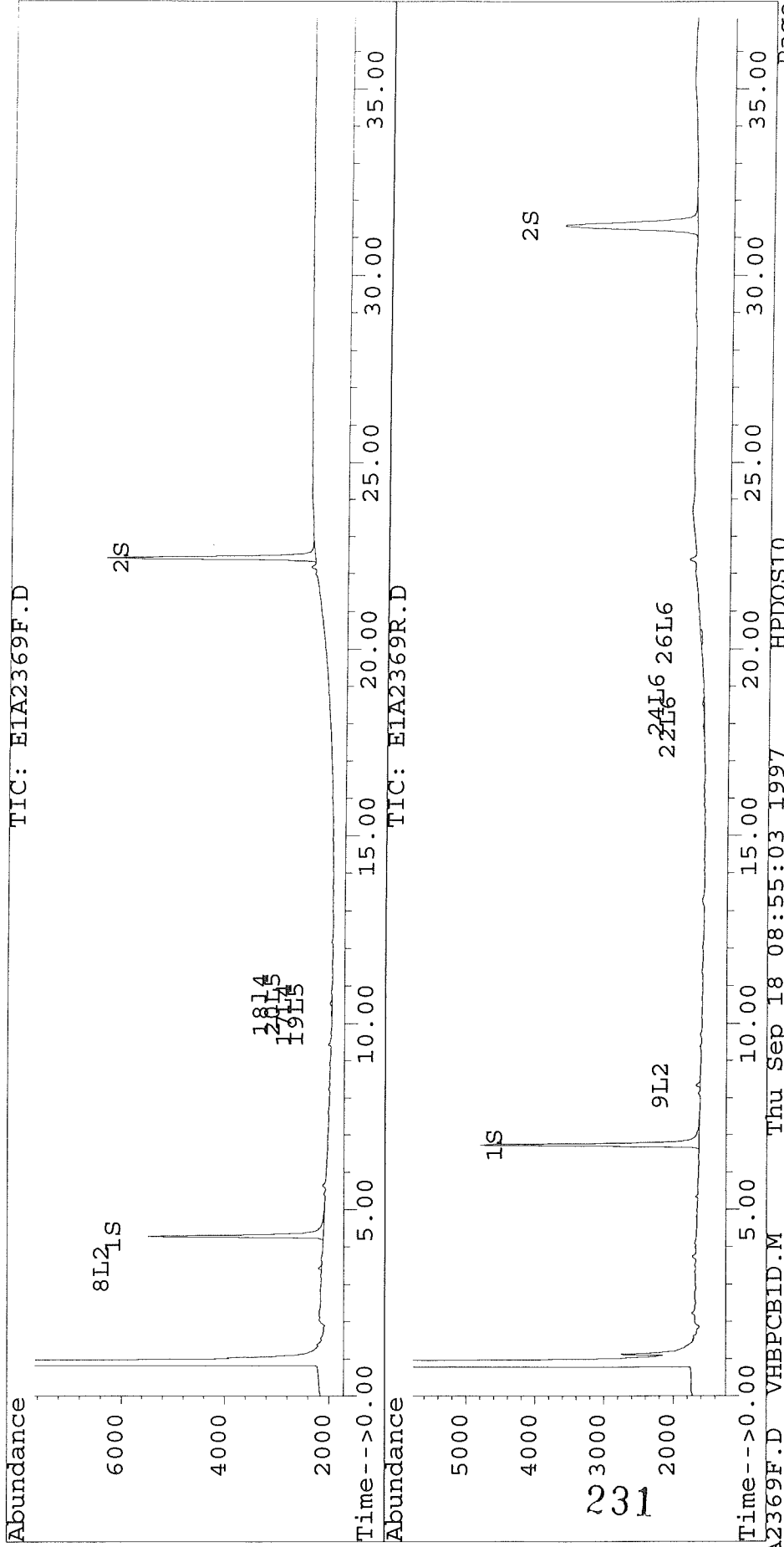
9/16/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2369F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2369F.D
Acq On : 18 Sep 97 06:34 AM Operator: JS
Sample : D1414-33,K1-C1,P0916-B2 Inst : E1
Misc : 0,,2,,25000,,15.0,15,16-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 18 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D\E1A2370R.D
 Acq On : 18 Sep 97 07:14 AM Operator: JS
 Sample : D1414-34,K2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:48 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3632	3361	17.037	16.756
			Recovery	=	85.19%	83.78%
2) S Decachlorobiphenyl	22.43	31.32	4461	2209	18.259m	18.502m
			Recovery	=	91.30%	92.51%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.40f	12.00	106926	86459	1497.259	1217.409
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	14535	11146	92.899	70.897
5) L1 Aroclor-1016	6.96	10.65	47109	42922	1726.932	1609.631
6) L1 Aroclor-1016 {2}	0.00	12.00	0	86459	N.D.	2995.027 #
7) L1 Aroclor-1016 {3}	9.49	12.59	67748	17092	3137.046	1244.651
Total Aroclor-1016			114857	146473	4863.978	5849.309
Average Aroclor-1016					2431.989	1949.770
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	5.31	8.34	456	532	70.372	87.090
10) L2 Aroclor-1221 {3}	5.87	9.12	4781	3014	275.563	205.011 #
Total Aroclor-1221			5237	3546	345.936	292.101
Average Aroclor-1221					172.968	146.051
11) L3 Aroclor-1232	5.87	9.12	4781	3014	357.021	254.703 #
12) L3 Aroclor-1232 {2}	6.96	10.65	47109	42922	3873.852	3454.073
13) L3 Aroclor-1232 {3}	0.00	12.00	0	86459	N.D.	7087.727 #
Total Aroclor-1232			51890	132395	4230.873	10796.503
Average Aroclor-1232					2115.436	3598.834
14) L4 Aroclor-1242	6.96	10.65	47109	42922	1285.679	1192.215
15) L4 Aroclor-1242 {2}	8.40f	12.00	106478	86459	2408.105m	2235.960
16) L4 Aroclor-1242 {3}	9.49	13.17	67748	43733	2382.897	2013.016
17) L4 Aroclor-1242 (4)	10.23	14.35	66508	52845	2731.894	2308.085
18) L4 Aroclor-1242 (5)	10.55	14.80	58529	48888	2945.906	3512.207
Total Aroclor-1242			346372	274848	11754.481	11261.482
Average Aroclor-1242					2350.896	2252.296
19) L5 Aroclor-1248	10.23	15.31	66508	41168	2832.751	2101.819

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D\E1A2370R.D
 Acq On : 18 Sep 97 07:14 AM Operator: JS
 Sample : D1414-34,K2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:48 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.53	58529	44475	3006.839	2235.929
21) L5 Aroclor-1248 {3}	0.00	16.55	0	29313	N.D.	1920.146 #
Total Aroclor-1248			125037	114956	5839.589	6257.894
Average Aroclor-1248					2919.795	2085.965
22) L6 Aroclor-1254	13.60	17.93	54948	54668	937.689	829.586
23) L6 Aroclor-1254 {2}	14.08	18.37	25921	34639	853.804	980.636
24) L6 Aroclor-1254 {3}	14.46f	18.55	34928	20697	1116.019m	726.037
25) L6 Aroclor-1254 (4)	14.88	18.87	22469	22163	836.967	772.312
26) L6 Aroclor-1254 (5)	15.99	20.42	41774	35047	863.847	787.755
Total Aroclor-1254			180040	167213	4608.325	4096.325
Average Aroclor-1254					921.665	819.265
27) L7 Aroclor-1260	17.11	21.82	14535	3605	525.835	146.944 #
28) L7 Aroclor-1260 {2}	18.09	22.31	9671	9536	190.421	166.843
29) L7 Aroclor-1260 {3}	19.21	24.21	7963	4946	213.541	206.781
Total Aroclor-1260			32169	18087	929.796	520.568
Average Aroclor-1260					309.932	173.523

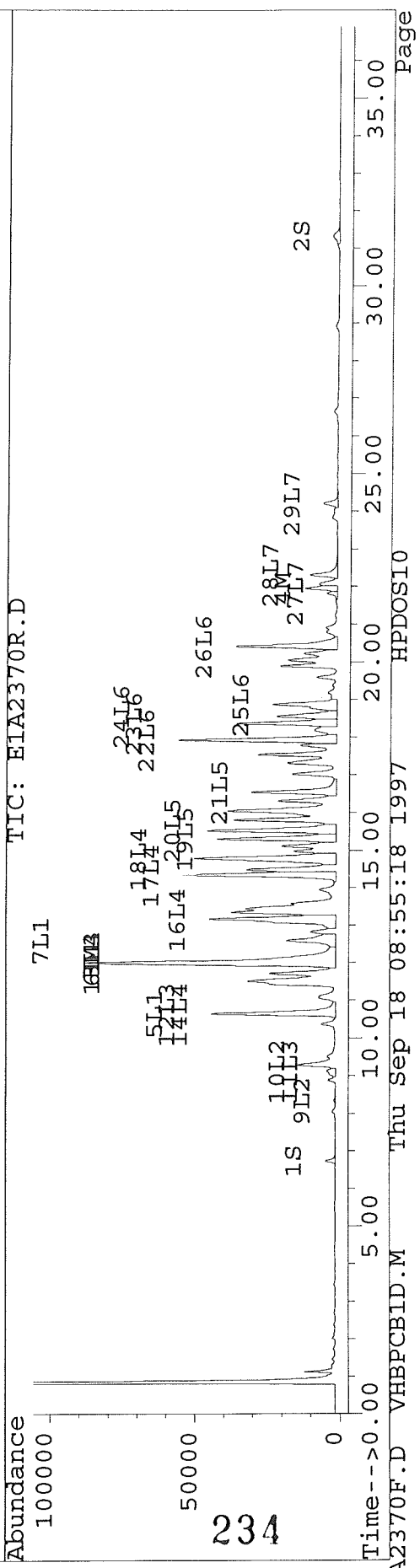
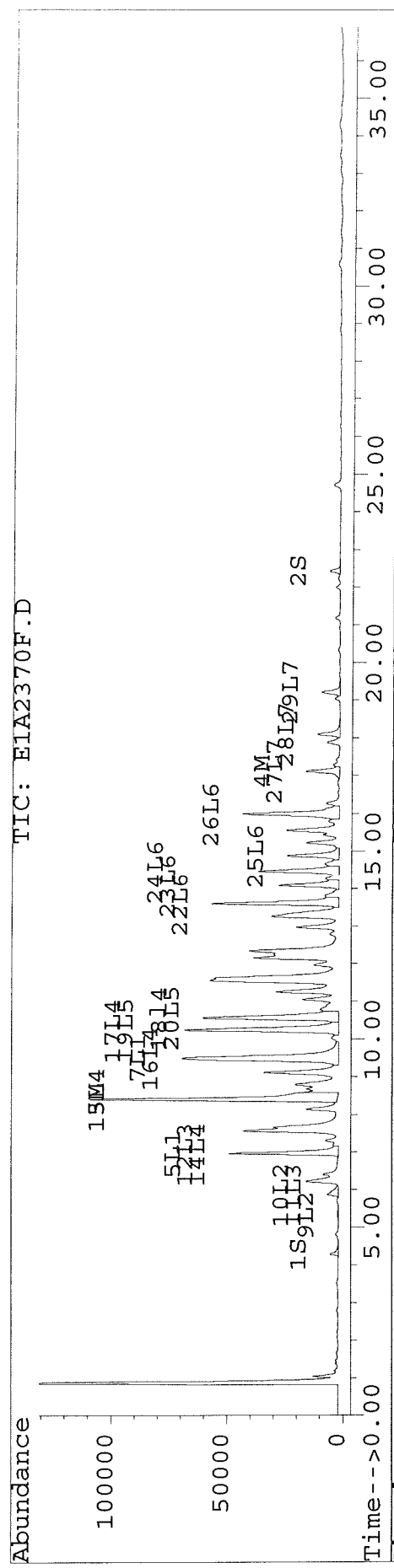
AR1242
 $2235.960 \times 1.261 \times 0.86 = 21,179$
 $2013.016 \times 1 = 2013.016$
 2309.685
 $6557.661 \times 25 = 163941.525$
 $15 \times 0.86 \times 0.6 = 7.65$
 $11261.482 \times 25 = 281537.05$
 $15.0 \times 0.86 = 12.9$
 $21,824$
 $21,000 E$
 $21,179$
 AR1254
 $4096.325 \times 25 = 102408.125$
 $15.0 \times 0.86 = 12.9$
 7938
 7900

233
 9/18/97

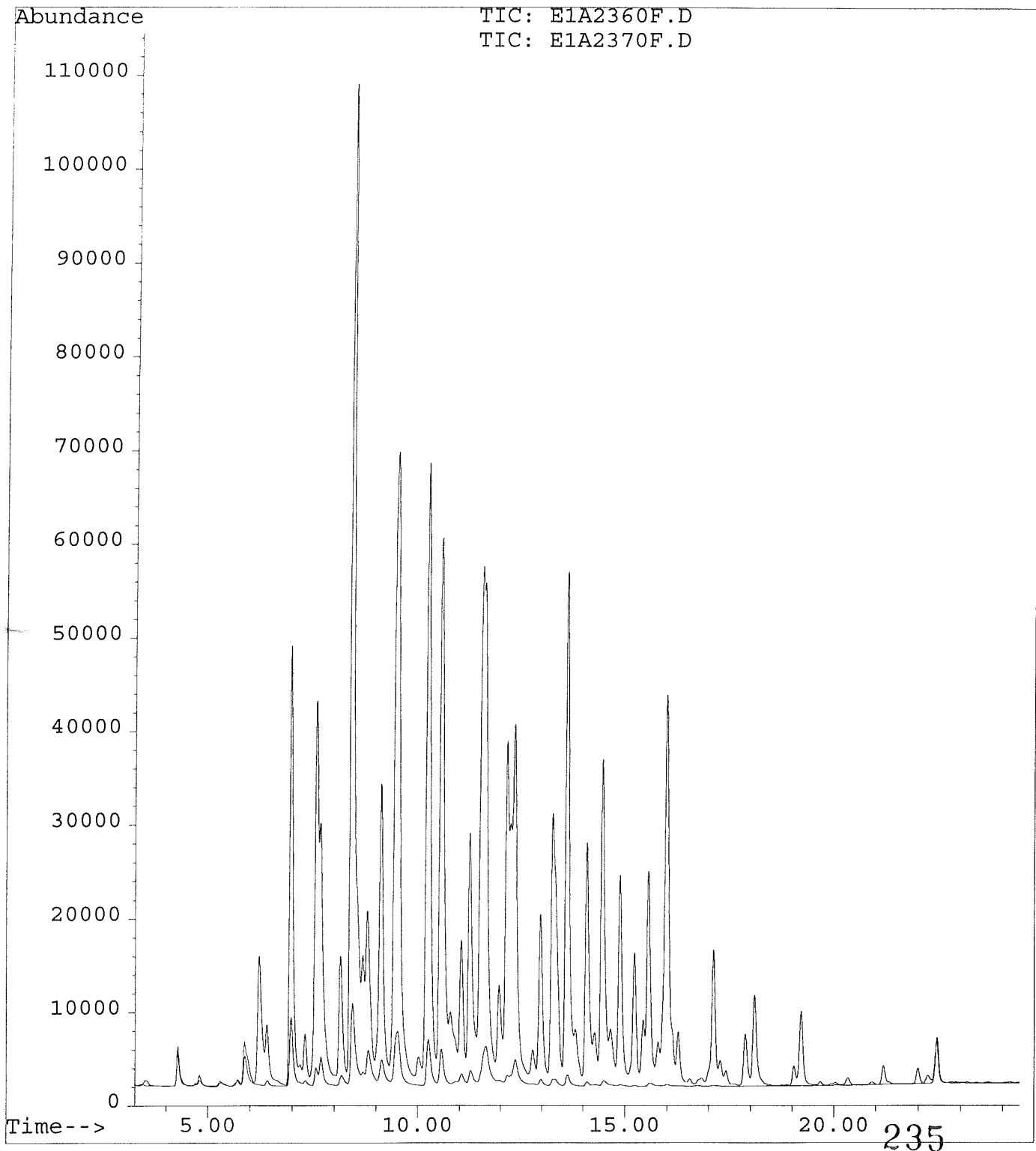
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D Vial: 23
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370R.D
 Acq On : 18 Sep 97 07:14 AM Operator: JS
 Sample : D1414-34,K2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:48 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

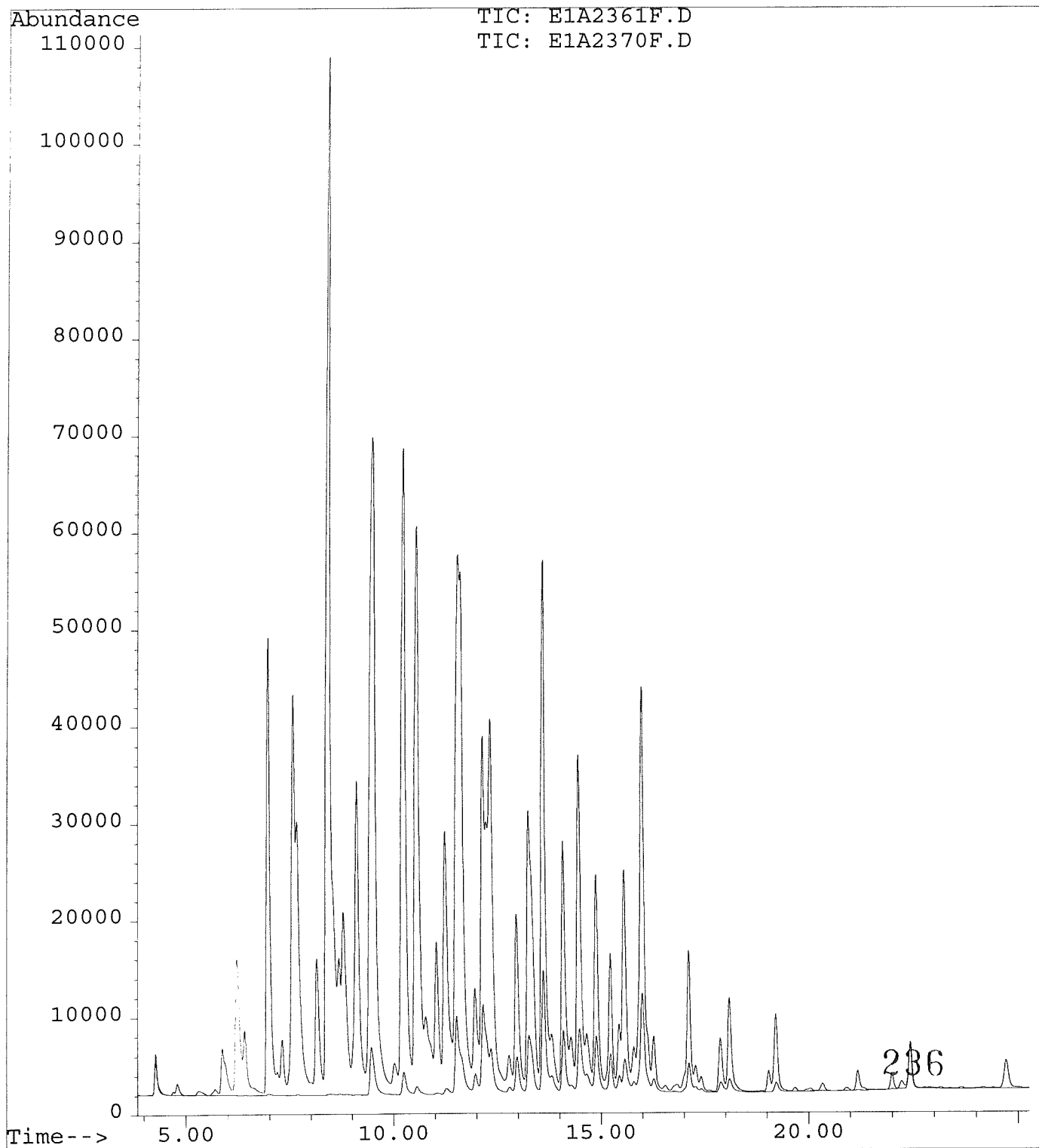
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



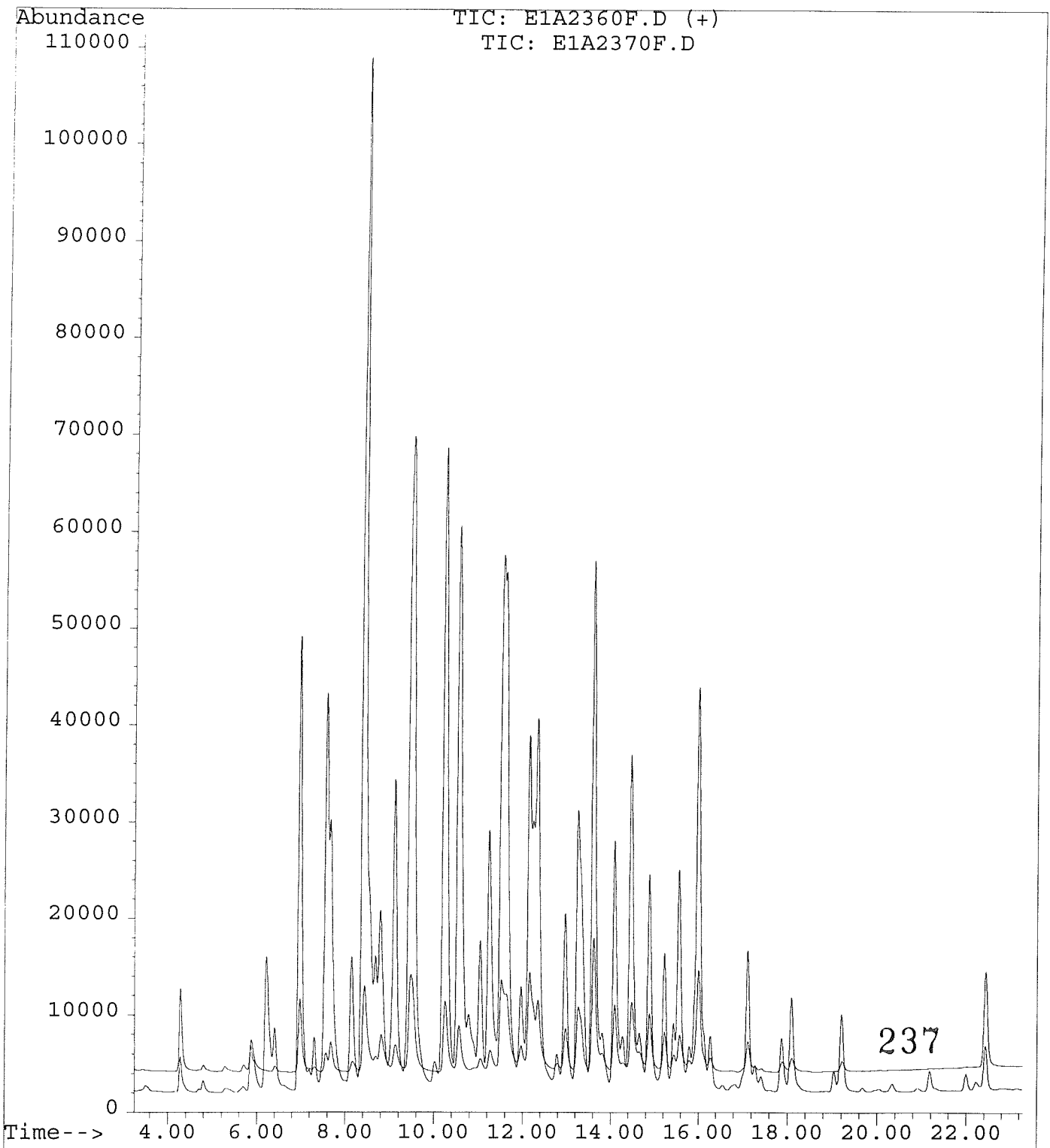
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Operator : JS
Acquired : 18 Sep 97 00:29 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 13



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D
Operator : JS
Acquired : 18 Sep 97 01:09 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 14



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2370F.D
Operator : JS
Acquired : 18 Sep 97 07:14 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: D1414-34,K2-C1,P0916-B2
Misc Info : 0,,2,,25000,,15.0,14,16-SEP-97,11-SEP-97
Vial Number: 23



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D Vial: 64
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D\E1A2411R.D
 Acq On : 19 Sep 97 11:40 AM Operator: JS
 Sample : D1414-34DL,K2-C1,P0916-B2,,,5 *x dilution* Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 12:20 1997 *14 JS*

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	725	706	3.399	3.519
			Recovery	=	17.00%	17.60%
2) S Decachlorobiphenyl	22.43	31.32	1078	509	4.414m	4.261
			Recovery	=	22.07%	21.31%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.01	21902	18796	306.693	264.656
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	2967	2419	18.962	15.390
5) L1 Aroclor-1016	6.97	10.65	12084	11542	442.981	432.855
6) L1 Aroclor-1016 {2}	8.42f	12.01	21902	18796	576.908	651.097
7) L1 Aroclor-1016 {3}	9.50	12.60	17565	4007	813.347	291.827 #
Total Aroclor-1016			51552	34345	1833.237	1375.779
Average Aroclor-1016					611.079	458.593
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	5.32f	8.35	103	112	15.816	18.343
10) L2 Aroclor-1221 {3}	5.88	9.13	888	680	51.173	46.248
Total Aroclor-1221			990	792	66.989	64.591
Average Aroclor-1221					33.494	32.295
11) L3 Aroclor-1232	5.88	9.13	888	680	66.300	57.458
12) L3 Aroclor-1232 {2}	6.97	10.65	12084	11542	993.695	928.854
13) L3 Aroclor-1232 {3}	8.42f	12.01	21902	18796	1359.474	1540.821
Total Aroclor-1232			34874	31018	2419.469	2527.132
Average Aroclor-1232					806.490	842.377
14) L4 Aroclor-1242	6.97	10.65	12084	11542	329.794	320.605
15) L4 Aroclor-1242 {2}	8.42f	12.01	21902	18796	495.343	486.082
16) L4 Aroclor-1242 {3}	9.50	13.18	17565	12192	617.818	561.207
17) L4 Aroclor-1242 (4)	10.24	14.36	16709	13291	686.353	580.489
18) L4 Aroclor-1242 (5)	10.56	14.80	12350	11733	621.595	842.945 #
Total Aroclor-1242			80611	67554	2750.903	2791.328
Average Aroclor-1242					550.181	558.266
19) L5 Aroclor-1248	10.24	15.32	16709	9166	711.692	467.986 #

85

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JS 9/19/97

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D Vial: 64
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D\E1A2411R.D
 Acq On : 19 Sep 97 11:40 AM Operator: JS
 Sample : D1414-34DL, K2-C1, P0916-B2,,, 5 x *delimit* Inst : E1
 Misc : 0,,, 2,,, 25000,,, 15.0, 10, 17-SEP-97, 11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 12:20 1997 *14 JD*

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.54	12350	9720	634.452	488.670
21) L5 Aroclor-1248 {3}	11.62f	16.56	11791	5759	508.084	377.278 #
Total Aroclor-1248			40850	24646	1854.228	1333.934
Average Aroclor-1248					618.076	444.645
22) L6 Aroclor-1254	13.61	17.93	12431	13300	212.134	201.823
23) L6 Aroclor-1254 {2}	14.09	18.37	6213	7473	204.638	211.555
24) L6 Aroclor-1254 {3}	14.48f	18.56	6822	5522	217.964	193.723
25) L6 Aroclor-1254 (4)	14.88	18.87	5380	5578	200.401	194.388
26) L6 Aroclor-1254 (5)	16.00	20.42	9200	8171	190.240	183.669
Total Aroclor-1254			40045	40044	1025.378	<u>985.159</u>
Average Aroclor-1254					205.076	197.032
27) L7 Aroclor-1260	17.12	21.82	2967	887	107.332	36.175 #
28) L7 Aroclor-1260 {2}	18.10	22.31	2011	2216	39.597	38.770
29) L7 Aroclor-1260 {3}	19.21	24.21	1639	1137	43.960	47.558
Total Aroclor-1260			6617	4241	190.888	122.503
Average Aroclor-1260					63.629	40.834

AR1242

617.919
606.353
621.595

1925.766 x 25 x 5
15 x 0.66 x 0.6

2750.903 ^{DL} ug/mL x 25 mL x 5 = 26,654
15.0 x 0.66

31,100

31,000 DL

27,000 ^{ug} / ^{DL} D

AR 1254

985.159 x 25 x 5 = 9544
15 x 0.66

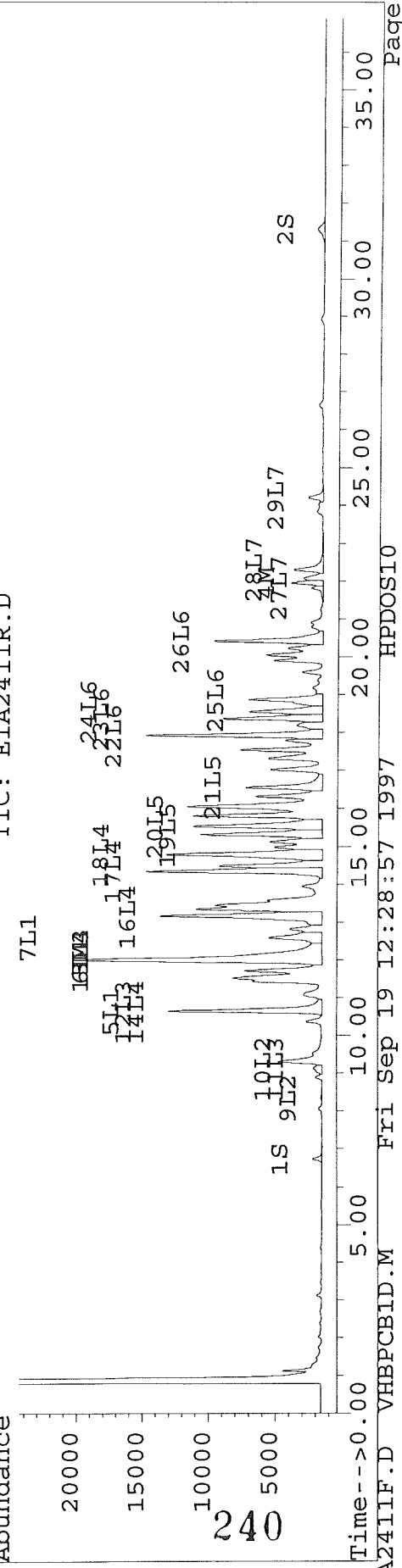
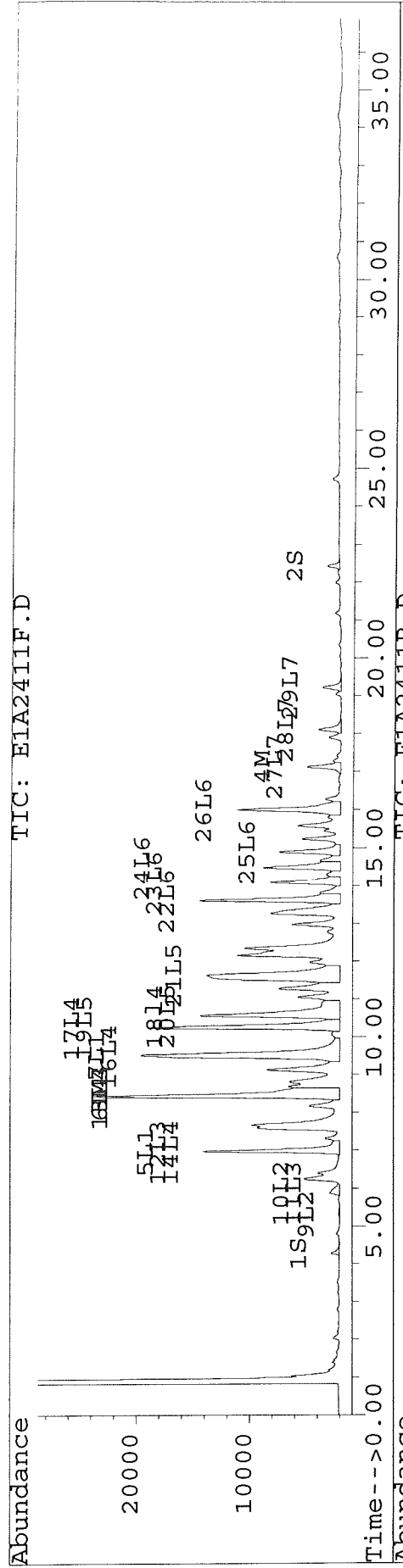
9500 ^{ug} / ^{DL} DL
239

JD 9/19/97

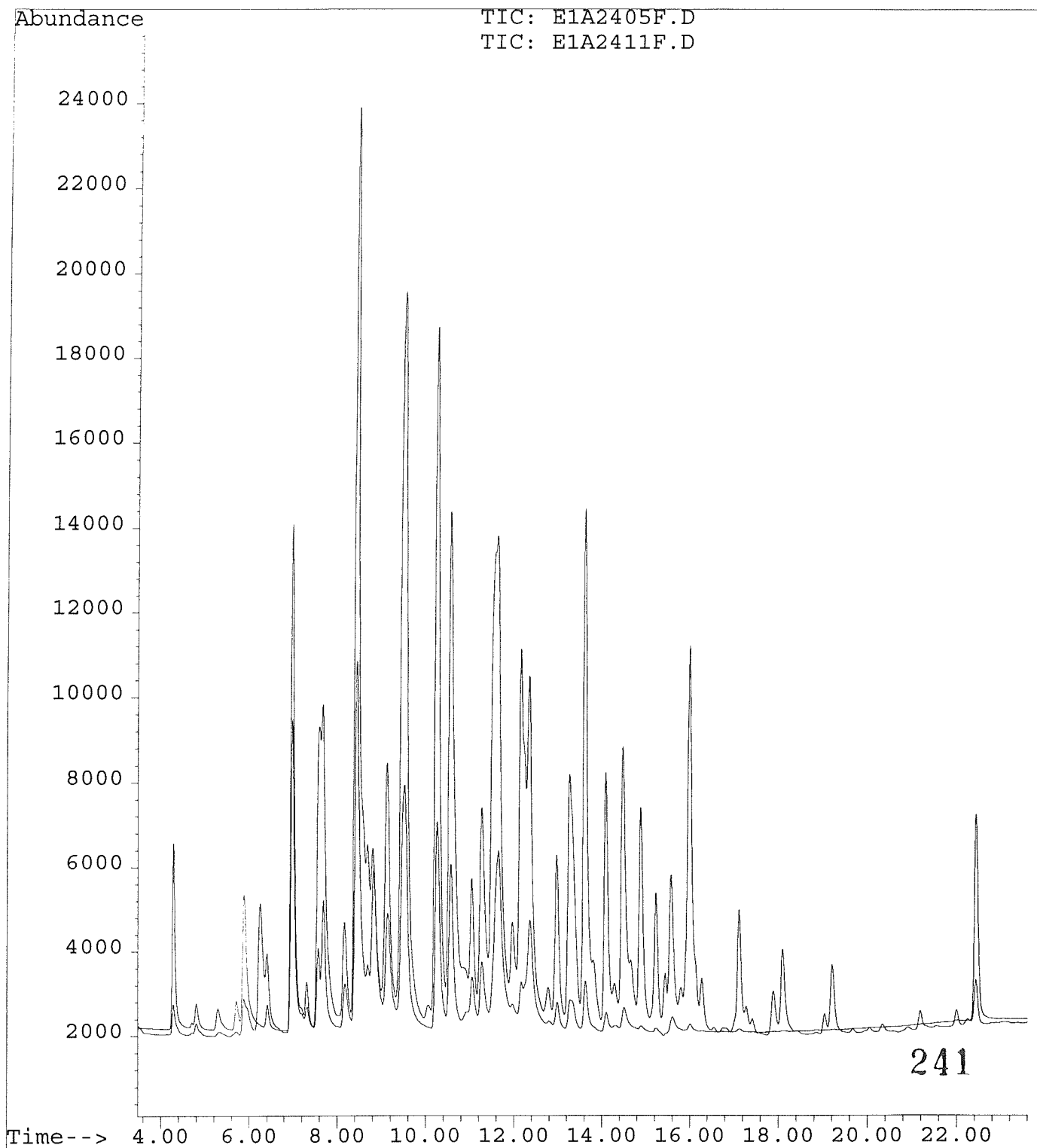
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D Vial: 64
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D
 Acq On : 19 Sep 97 11:40 AM Operator: JS
 Sample : D1414-34DL,K2-C1,P0916-B2,,,5 *del* Inst : E1
 Misc : 0,,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 12:20 1997 *18 28*

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

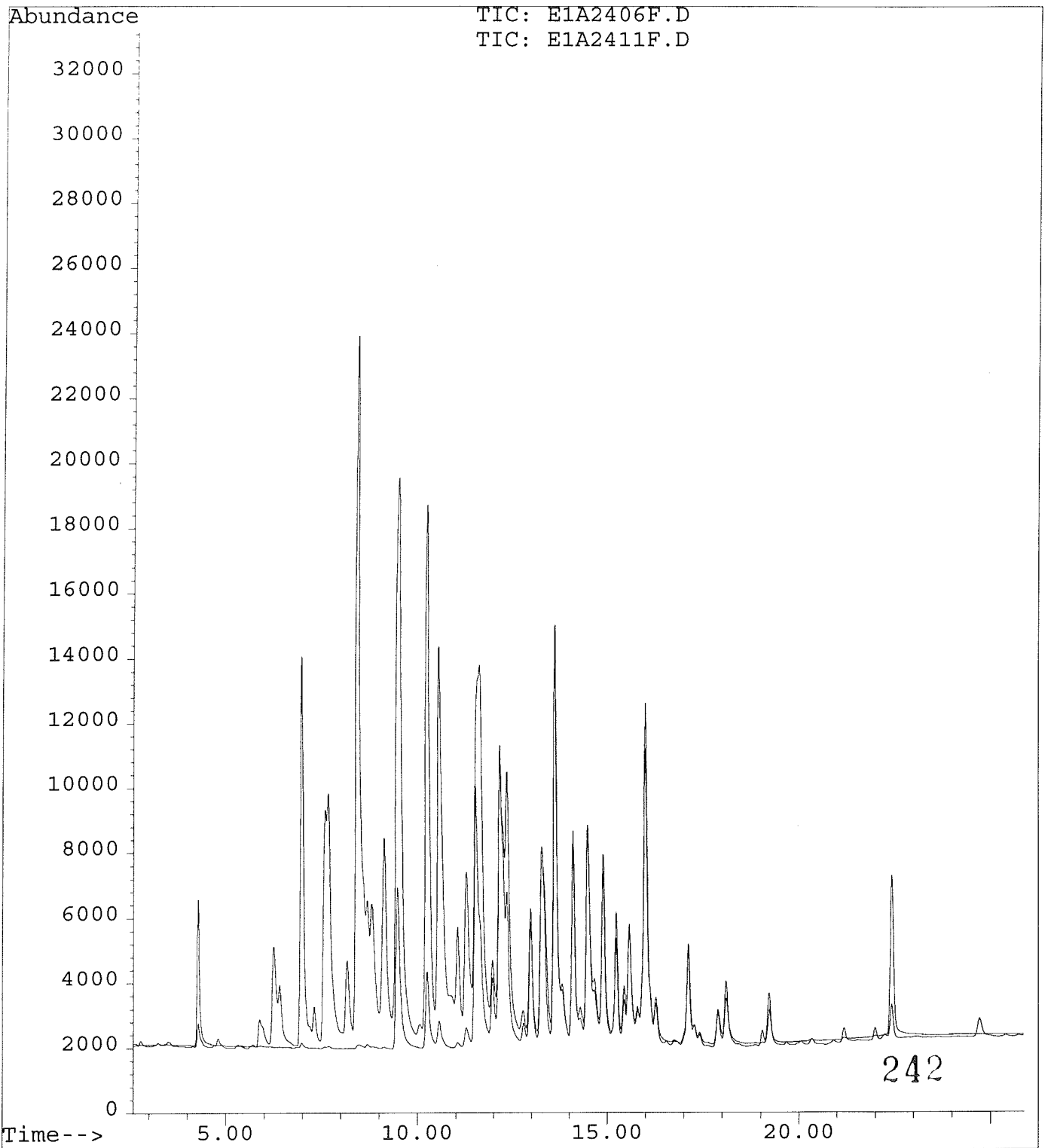
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D
Operator : JS
Acquired : 19 Sep 97 07:35 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DD,AR1242DD,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 58

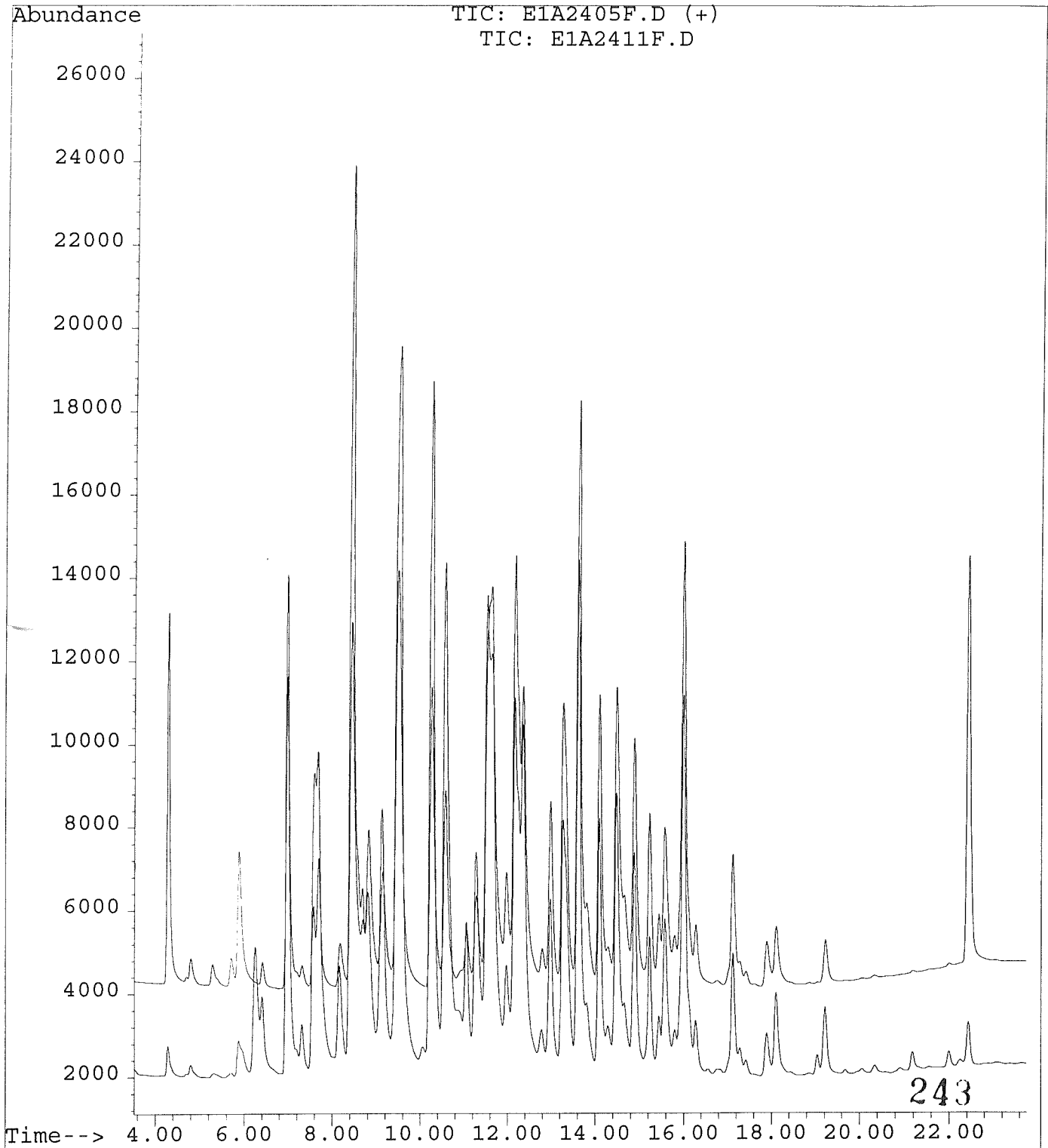


File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D
Operator : JS
Acquired : 19 Sep 97 08:16 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DD,AR1254DD,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 59



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2411F.D
Operator : JS
Acquired : 19 Sep 97 11:40 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: D1414-34DL,K2-C1,P0916-B2,,,5% *deleten*
Misc Info : 0,,,2,,,25000,,,15.0,~~10~~,17-SEP-97,11-SEP-97
Vial Number: 64

1493



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371R.D
 Acq On : 18 Sep 97 07:55 AM Operator: JS
 Sample : D1414-35,K3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3756	3384	17.617	16.869
			Recovery	=	88.09%	84.35%
2) S Decachlorobiphenyl	22.43	31.33	4252	2266	17.404m	18.974
			Recovery	=	87.02%	94.87%
Target Compounds						
3) M 2,4,4'-Trichlorobip	0.00	12.04	0	14	N.D.	0.191 #
4) M 2,2',3,3',4,4'-Hexa	0.00	21.97	0	77	N.D.	0.493 #
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	0.00	12.04	0	14	N.D.	0.470 #
7) L1 Aroclor-1016 {3}	9.51	0.00	18	0	0.821	N.D. #
Total Aroclor-1016			18	14	0.821	0.470
Average Aroclor-1016					0.821	0.470
8) L2 Aroclor-1221	3.43	0.00	121	0	14.232	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	34	N.D.	5.563 #
10) L2 Aroclor-1221 {3}	5.85	0.00	18	0	1.057	N.D. #
Total Aroclor-1221			139	34	15.289	5.563
Average Aroclor-1221					7.644	5.563
11) L3 Aroclor-1232	5.85f	0.00	18	0	1.369	N.D. #
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	12.04	0	14	N.D.	1.111 #
Total Aroclor-1232			18	14	1.369	1.111
Average Aroclor-1232					1.369	1.111
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	12.04	0	14	N.D.	0.351 #
16) L4 Aroclor-1242 {3}	9.51	0.00	18	0	0.623	N.D. #
17) L4 Aroclor-1242 (4)	10.26	14.36	17	13	0.681	0.578
18) L4 Aroclor-1242 (5)	10.53f	0.00	38	0	1.910	N.D. #
Total Aroclor-1242			72	27	3.214	0.928
Average Aroclor-1242					1.071	0.464
19) L5 Aroclor-1248	10.26	0.00	17	0	0.706	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371F.D\E1A2371R.D
 Acq On : 18 Sep 97 07:55 AM Operator: JS
 Sample : D1414-35,K3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.53f	0.00	38	0	1.950	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			55	0	2.655	N.D.
Average Aroclor-1248					1.328	0.000
22) L6 Aroclor-1254	13.63	0.00	144	0	2.455	N.D. #
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	14.49	0.00	213	0	6.796	N.D. #
25) L6 Aroclor-1254 (4)	14.88	0.00	211	0	7.878	N.D. #
26) L6 Aroclor-1254 (5)	0.00	20.43	0	22	N.D.	0.493 #
Total Aroclor-1254			568	22	17.129	0.493
Average Aroclor-1254					5.710	0.493
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

K

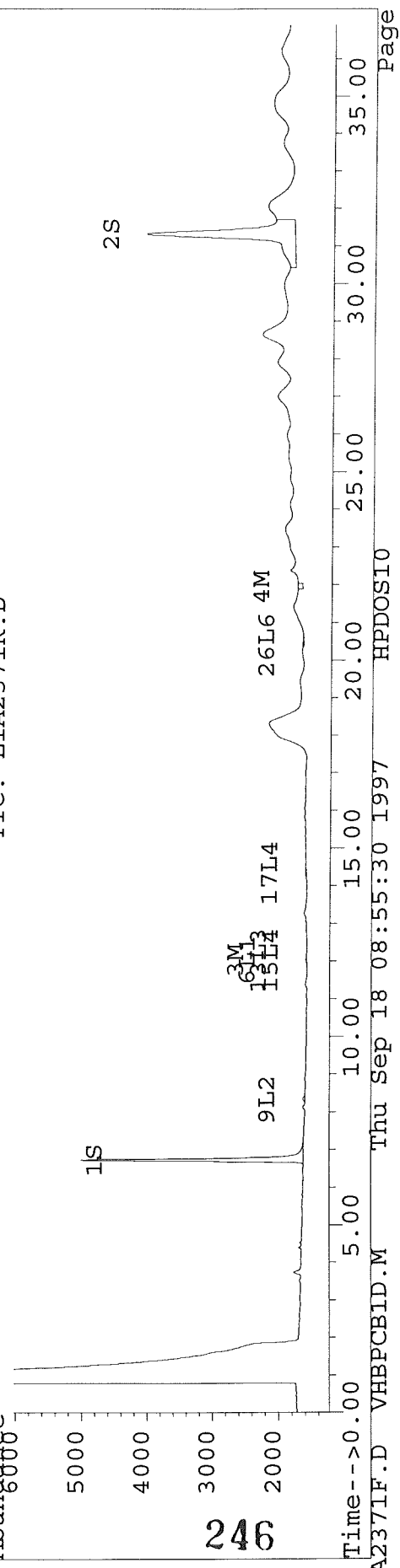
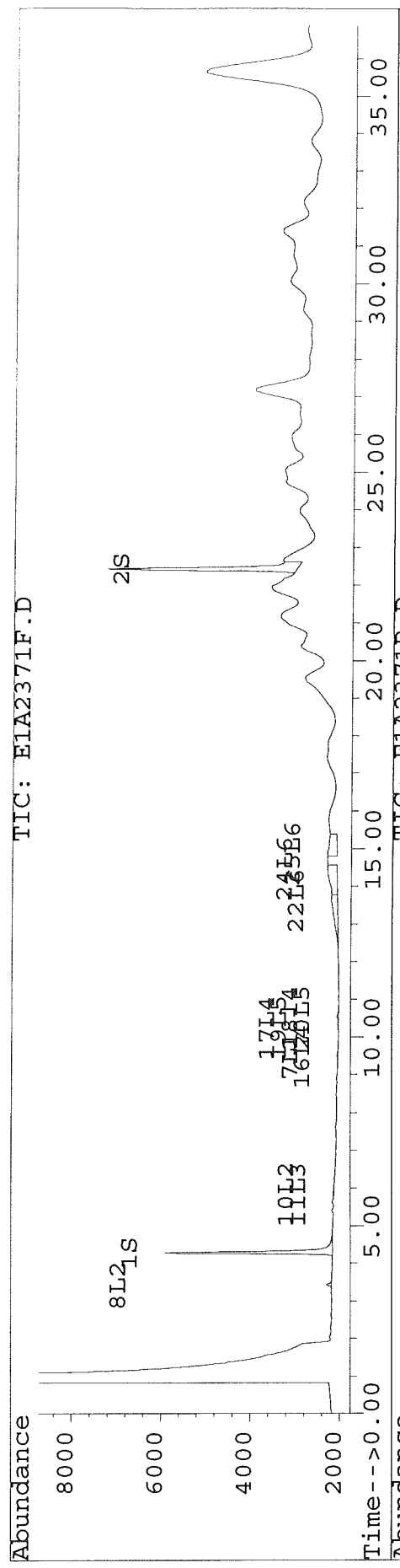
245

089/18/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371F.D Vial: 24
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2371F.D\E1A2371R.D
 Acq On : 18 Sep 97 07:55 AM Operator: JS
 Sample : D1414-35,K3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 8:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2372F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2372R.D
 Acq On : 18 Sep 97 08:35 AM Operator: JS
 Sample : D1414-36,K4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.26	6.72	3937	3528	18.465	17.587
			Recovery	=	92.33%	87.94%
2) S Decachlorobiphenyl	22.43	31.32	4246	1978	17.381m	16.564m
			Recovery	=	86.91%	82.82%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.44	12.02	1552	1563	21.737	22.015
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	501	1035	3.203	6.585 #
5) L1 Aroclor-1016	6.97	10.65	1158	1155	42.466	43.308
6) L1 Aroclor-1016 {2}	8.44	12.02	1552	1563	40.888	54.160 #
7) L1 Aroclor-1016 {3}	9.51	12.61	1499	549	69.393	39.991 #
Total Aroclor-1016			4209	3267	152.747	137.458
Average Aroclor-1016					50.916	45.819
8) L2 Aroclor-1221	3.42	0.00	91	0	10.740	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.34	36	51	5.477	8.316 #
10) L2 Aroclor-1221 {3}	5.87	9.13	488	320	28.121	21.771
Total Aroclor-1221			615	371	44.338	30.086
Average Aroclor-1221					14.779	15.043
11) L3 Aroclor-1232	5.87	9.13	488	320	36.433	27.048 #
12) L3 Aroclor-1232 {2}	6.97	10.65	1158	1155	95.259	92.933
13) L3 Aroclor-1232 {3}	8.44	12.02	1552	1563	96.352	128.170 #
Total Aroclor-1232			3199	3038	228.045	248.151
Average Aroclor-1232					76.015	82.717
14) L4 Aroclor-1242	6.97	10.65	1158	1155	31.615	32.077
15) L4 Aroclor-1242 {2}	8.44	12.02	1552	1563	35.107	40.434
16) L4 Aroclor-1242 {3}	9.51	13.18	1499	1127	52.711	51.889
17) L4 Aroclor-1242 (4)	10.25	14.36	1224	1154	50.262	50.399
18) L4 Aroclor-1242 (5)	10.56	14.81	851	633	42.853	45.492
Total Aroclor-1242			6284	5633	212.549	220.291
Average Aroclor-1242					42.510	44.058
19) L5 Aroclor-1248	10.25	15.33	1224	889	52.118	45.405

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2372F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2372F.D\E1A2372R.D
 Acq On : 18 Sep 97 08:35 AM Operator: JS
 Sample : D1414-36,K4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	851	955	43.740	48.026
21) L5 Aroclor-1248 {3}	11.64	16.56	977	608	42.113	39.857
Total Aroclor-1248			3052	2453	137.970	133.288
Average Aroclor-1248					45.990	44.429
22) L6 Aroclor-1254	13.62	17.93	811	952	13.840	14.452
23) L6 Aroclor-1254 {2}	14.09	18.38	467	578	15.397	16.376
24) L6 Aroclor-1254 {3}	14.49	18.56	428	489	13.668	17.170 #
25) L6 Aroclor-1254 (4)	14.89	18.88	418	489	15.588	17.040
26) L6 Aroclor-1254 (5)	16.00	20.43	687	767	14.204	17.235
Total Aroclor-1254			2812	3276 ^{BR}	72.697	82.273
Average Aroclor-1254					14.539	16.455
27) L7 Aroclor-1260	17.12	21.83	501	672	18.129	27.398 #
28) L7 Aroclor-1260 {2}	18.10	22.31	304	643	5.986	11.246 #
29) L7 Aroclor-1260 {3}	19.21	24.21	238	306	6.390	12.786 #
Total Aroclor-1260			1043	1621	30.506	51.430
Average Aroclor-1260					10.169	17.143

AR1242

$$\frac{212.549 \times 25}{15 \times 0.84} = 420$$

248

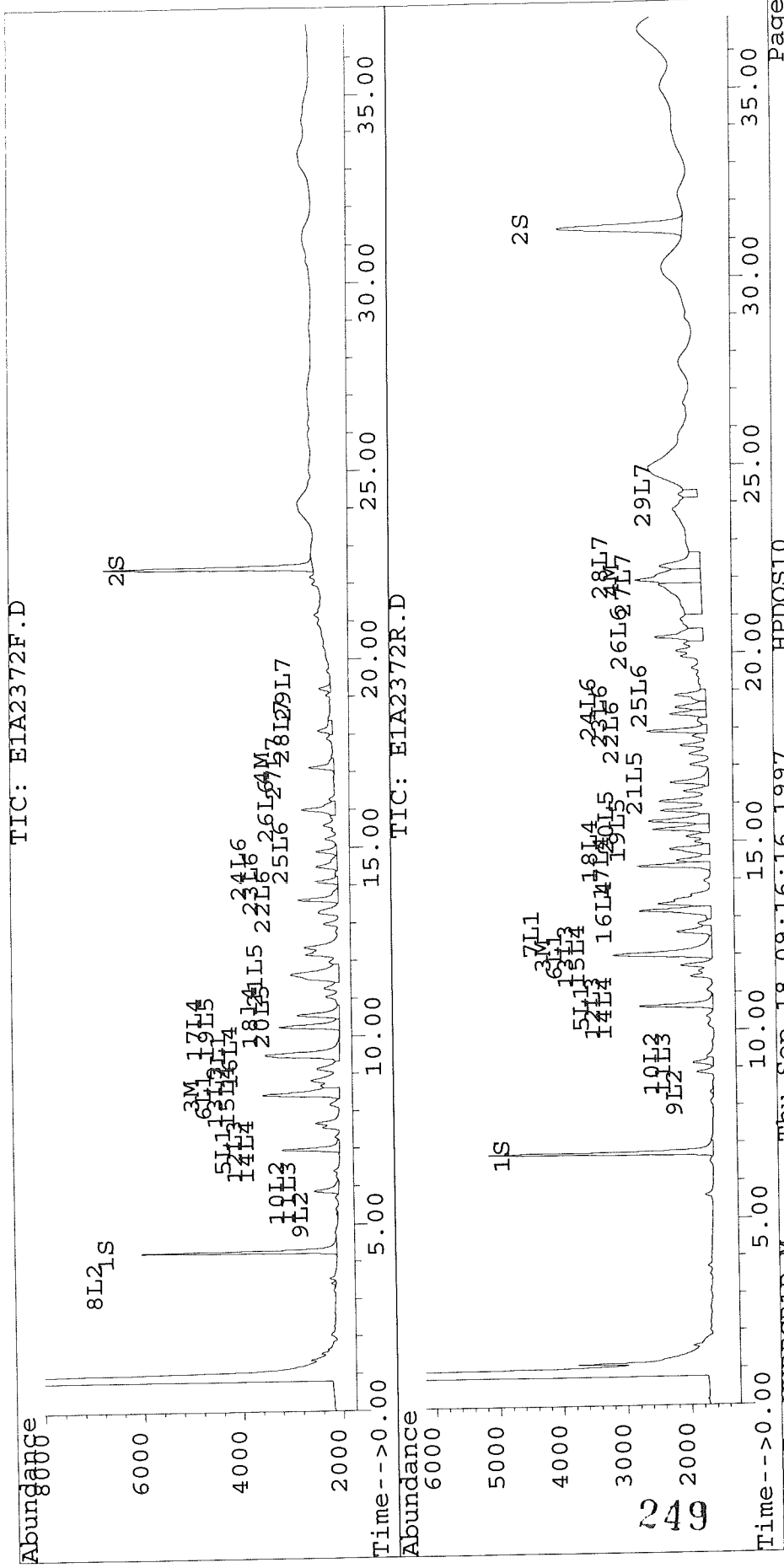
9/18/97

Quantitation Report

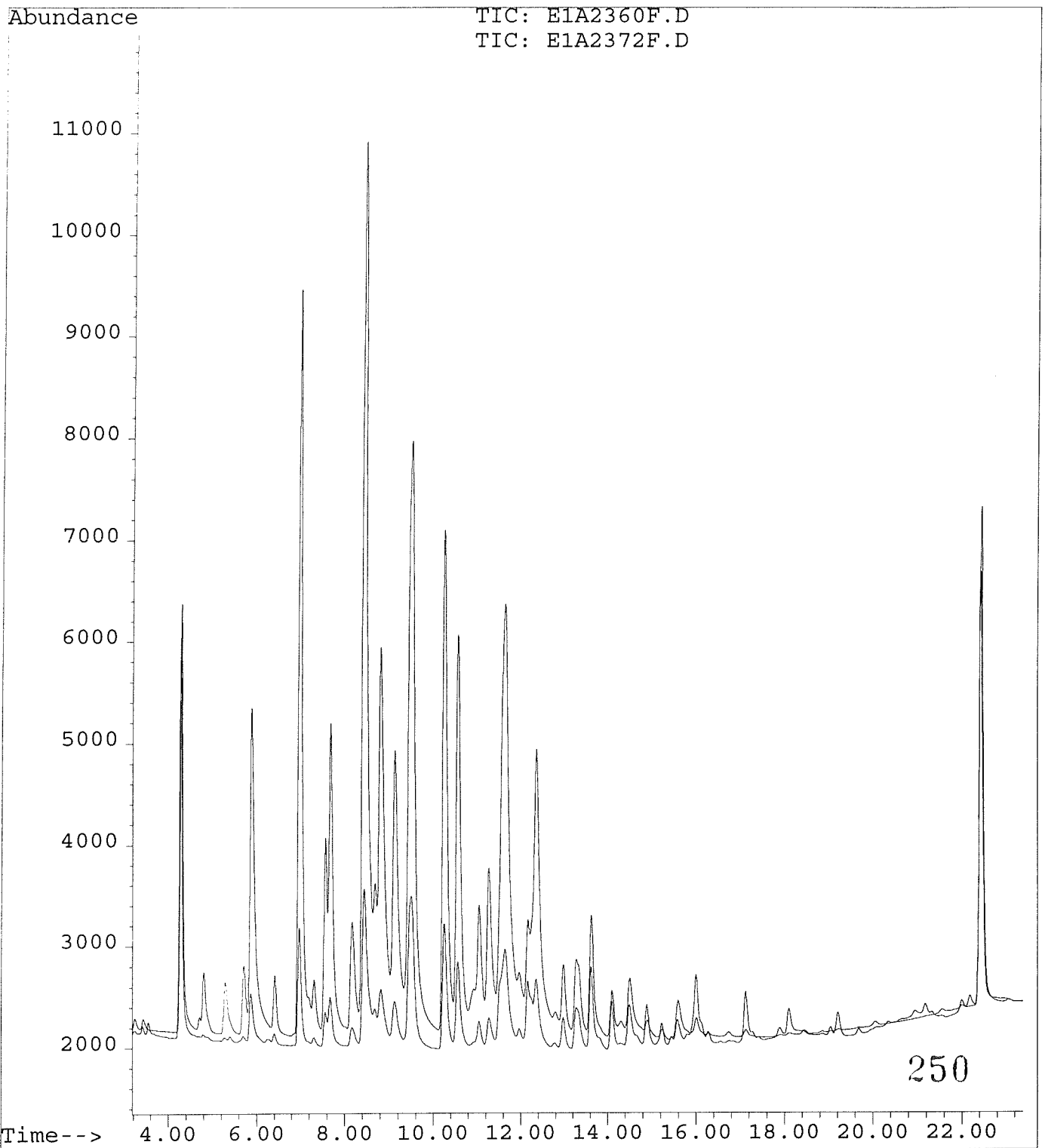
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2372F.D Vial: 25
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2372F.D\E1A2372R.D
 Acq On : 18 Sep 97 08:35 AM Operator: JS
 Sample : D1414-36,K4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D
Operator : JS
Acquired : 18 Sep 97 00:29 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 13



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378F.D Vial: 31
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378F.D\E1A2378R.D
 Acq On : 18 Sep 97 12:39 PM Operator: JS
 Sample : D1414-37,L1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 14:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3542	3264	16.616	16.269
			Recovery	=	83.08%	81.34%
2) S Decachlorobiphenyl	22.43	31.32	3936	1916	16.111m	16.045
			Recovery	=	80.55%	80.23%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	130	156	1.817	2.201
4) M 2,2',3,3',4,4'-Hexa	17.12	21.97	41	49	0.263	0.312
5) L1 Aroclor-1016	6.98	10.66	97	105	3.549	3.935
6) L1 Aroclor-1016 {2}	8.46	12.03	130	156	3.418	5.414 #
7) L1 Aroclor-1016 {3}	9.50	12.61	247	43	11.451	3.150 #
Total Aroclor-1016			474	304	18.418	12.499
Average Aroclor-1016					6.139	4.166
8) L2 Aroclor-1221	3.43	0.00	44	0	5.157	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	126	N.D.	20.613 #
10) L2 Aroclor-1221 {3}	5.87	0.00	60	0	3.484	N.D. #
Total Aroclor-1221			104	126	8.641	20.613
Average Aroclor-1221					4.321	20.613
11) L3 Aroclor-1232	5.87	0.00	60	0	4.514	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.66	97	105	7.961	8.443
13) L3 Aroclor-1232 {3}	8.46	12.03	130	156	8.055	12.813 #
Total Aroclor-1232			287	261	20.530	21.256
Average Aroclor-1232					6.843	10.628
14) L4 Aroclor-1242	6.98	10.66	97	105	2.642	2.914
15) L4 Aroclor-1242 {2}	8.46	12.03	130	156	2.935	4.042 #
16) L4 Aroclor-1242 {3}	9.50	13.19	247	193	8.698	8.879
17) L4 Aroclor-1242 (4)	10.26	14.36	182	161	7.470	7.028
18) L4 Aroclor-1242 (5)	10.56	14.81	144	138	7.257	9.881 #
Total Aroclor-1242			800	753	29.002	32.744
Average Aroclor-1242					5.800	6.549
19) L5 Aroclor-1248	10.26	15.33	182	96	7.746	4.877 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378F.D Vial: 31
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378F.D\E1A2378R.D
 Acq On : 18 Sep 97 12:39 PM Operator: JS
 Sample : D1414-37,L1-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 14:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	144	95	7.407	4.764 #
21) L5 Aroclor-1248 {3}	11.64	16.56	100	56	4.309	3.667
Total Aroclor-1248			426	246	19.462	13.307
Average Aroclor-1248					6.487	4.436
22) L6 Aroclor-1254	13.62	17.94	133	148	2.272	2.253
23) L6 Aroclor-1254 {2}	14.10	18.38	83	73	2.721	2.080
24) L6 Aroclor-1254 {3}	14.50	18.56	63	74	2.019	2.609 #
25) L6 Aroclor-1254 (4)	14.89	18.88	79	71	2.926	2.485
26) L6 Aroclor-1254 (5)	16.00	20.43	110	103	2.282	2.304
Total Aroclor-1254			468	470	12.220	11.730
Average Aroclor-1254					2.444	2.346
27) L7 Aroclor-1260	17.12	21.83	41	25	1.491	1.022 #
28) L7 Aroclor-1260 {2}	18.10	0.00	24	0	0.480	N.D. #
29) L7 Aroclor-1260 {3}	19.22	24.21	30	53	0.799	2.215 #
Total Aroclor-1260			95	78	2.769	3.238
Average Aroclor-1260					0.923	1.619

GL

K

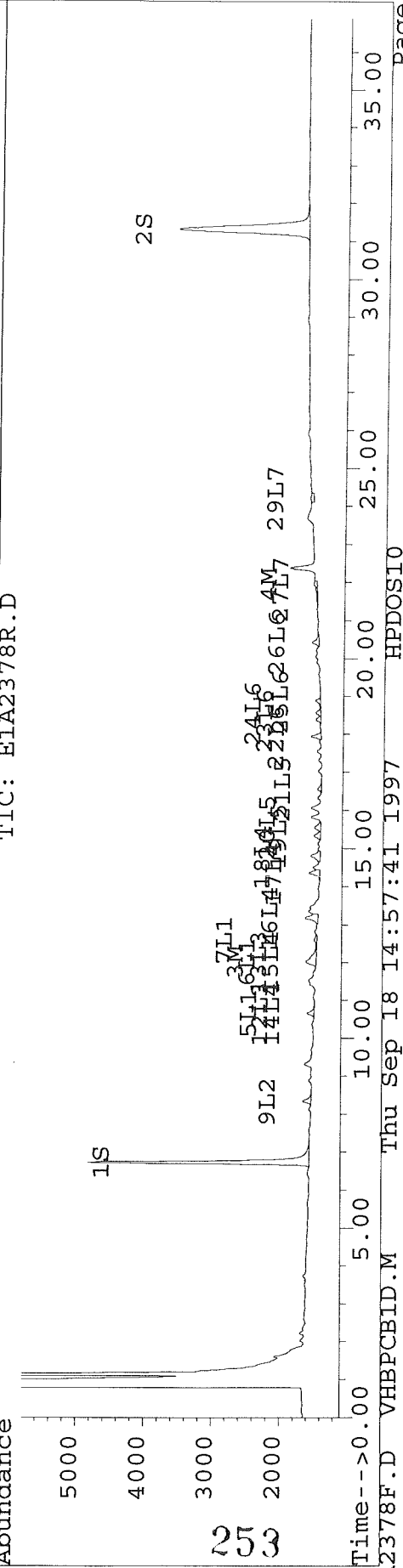
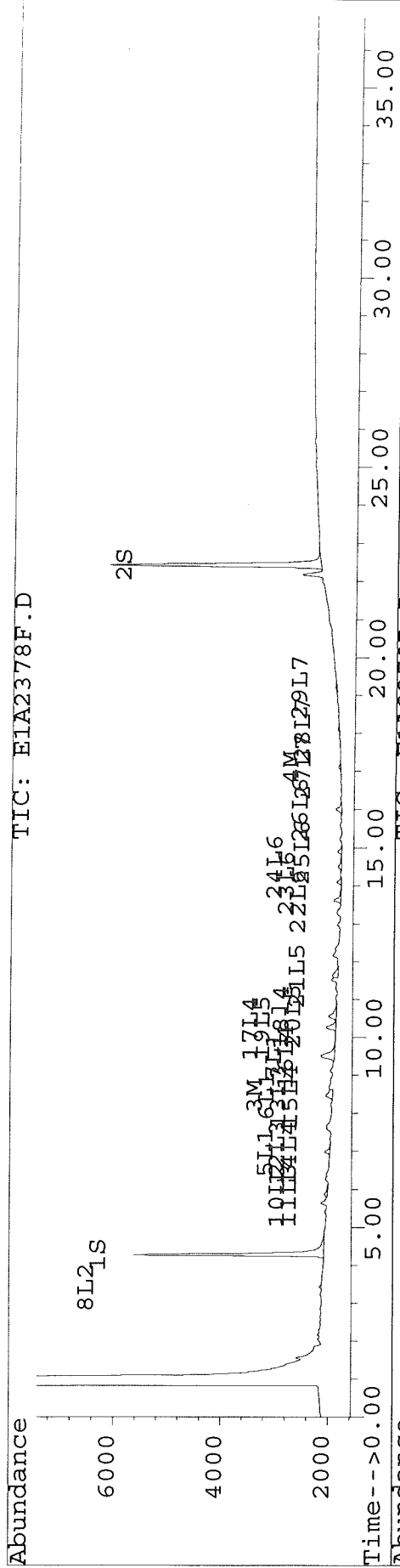
252

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378F.D Vial: 31
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2378R.D
 Acq On : 18 Sep 97 12:39 PM
 Sample : D1414-37,L1-C1,P0916-B2 Operator: JS
 Misc : 0,,2,,25000,,15.0,17,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 14:57 1997 Inst : E1

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2379F.D Vial: 32
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2379F.D\E1A2379R.D
 Acq On : 18 Sep 97 01:19 PM Operator: JS
 Sample : D1414-38,L2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,5,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 14:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3636	3345	17.054	16.675
			Recovery	=	85.27%	83.38%
2) S Decachlorobiphenyl	22.43	31.32	4239	2005	17.349m	16.790
			Recovery	=	86.75%	83.95%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	922	1026	12.910	14.442
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	337	295	2.154	1.874
5) L1 Aroclor-1016	6.98	10.66	425	443	15.581	16.600
6) L1 Aroclor-1016 {2}	8.46	12.03	922	1026	24.284	35.531 #
7) L1 Aroclor-1016 {3}	9.50	12.61	1376	205	63.720	14.938 #
Total Aroclor-1016			2723	1673	103.585	67.069
Average Aroclor-1016					34.528	22.356
8) L2 Aroclor-1221	3.43	0.00	91	0	10.648	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.89	9.13	28	24	1.637	1.648
Total Aroclor-1221			119	24	12.284	1.648
Average Aroclor-1221					6.142	1.648
11) L3 Aroclor-1232	5.89	9.13	28	24	2.121	2.047
12) L3 Aroclor-1232 {2}	6.98	10.66	425	443	34.951	35.622
13) L3 Aroclor-1232 {3}	8.46	12.03	922	1026	57.226	84.083 #
Total Aroclor-1232			1375	1493	94.298	121.753
Average Aroclor-1232					31.433	40.584
14) L4 Aroclor-1242	6.98	10.66	425	443	11.600	12.296
15) L4 Aroclor-1242 {2}	8.46	12.03	922	1026	20.851	26.526 #
16) L4 Aroclor-1242 {3}	9.50	13.18	1376	1151	48.402	52.965
17) L4 Aroclor-1242 (4)	10.26	14.36	1136	1051	46.646	45.915
18) L4 Aroclor-1242 (5)	10.57	14.81	794	829	39.984	59.579 #
Total Aroclor-1242			4653	4500	167.482	197.279
Average Aroclor-1242					33.496	39.456
19) L5 Aroclor-1248	10.26	15.33	1136	694	48.368	35.451 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2379F.D Vial: 32
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2379R.D
 Acq On : 18 Sep 97 01:19 PM Operator: JS
 Sample : D1414-38,L2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,5,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 14:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	794	698	40.811	35.073
21) L5 Aroclor-1248 {3}	11.65	16.57	795	441	34.257	28.912
Total Aroclor-1248			2725	1833	123.436	99.436
Average Aroclor-1248					41.145	33.145
22) L6 Aroclor-1254	13.62	17.93	1262	1478	21.539	22.431
23) L6 Aroclor-1254 {2}	14.10	18.38	662	808	21.806	22.864
24) L6 Aroclor-1254 {3}	14.50	18.56	573	705	18.305	24.737 #
25) L6 Aroclor-1254 (4)	14.89	18.88	611	665	22.744	23.186
26) L6 Aroclor-1254 (5)	16.01	20.45	997	1644	20.611	36.944 #
Total Aroclor-1254			4104	5300	105.005	130.161
Average Aroclor-1254					21.001	26.032
27) L7 Aroclor-1260	17.13	21.82	337	95	12.195	3.885 #
28) L7 Aroclor-1260 {2}	18.10	22.32	214	275	4.224	4.807
29) L7 Aroclor-1260 {3}	19.22	24.21	190	128	5.108	5.366
Total Aroclor-1260			742	498	21.526	14.058
Average Aroclor-1260					7.175	4.686

~~1242~~ $\frac{167.482 * 25}{15 * 0.95} = 290 \text{ ug/kg}$

1254 $\frac{105.005 * 25}{15 * 0.95} = 180 \text{ ug/kg}$

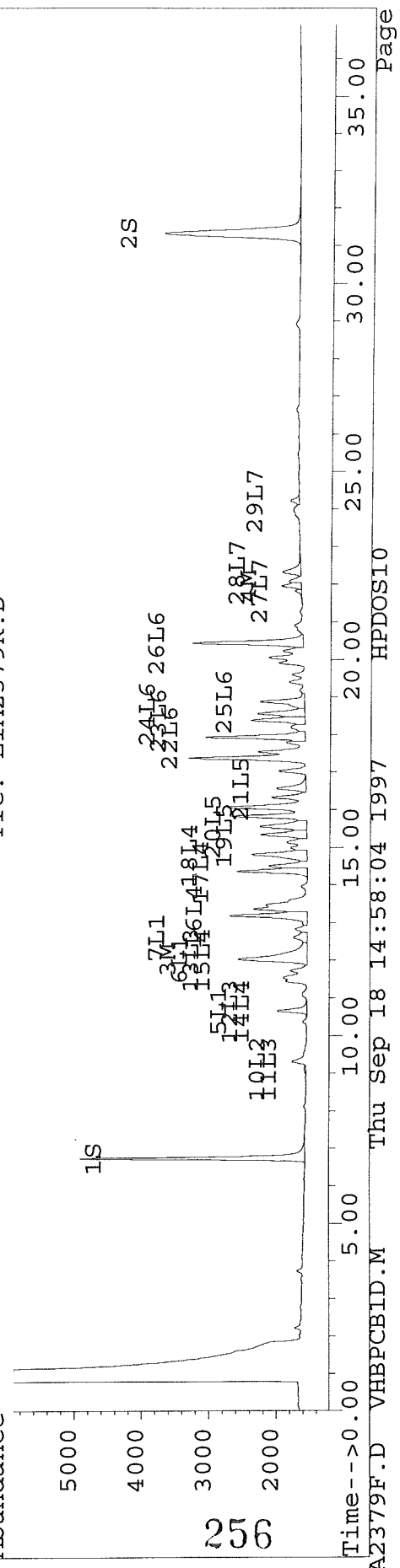
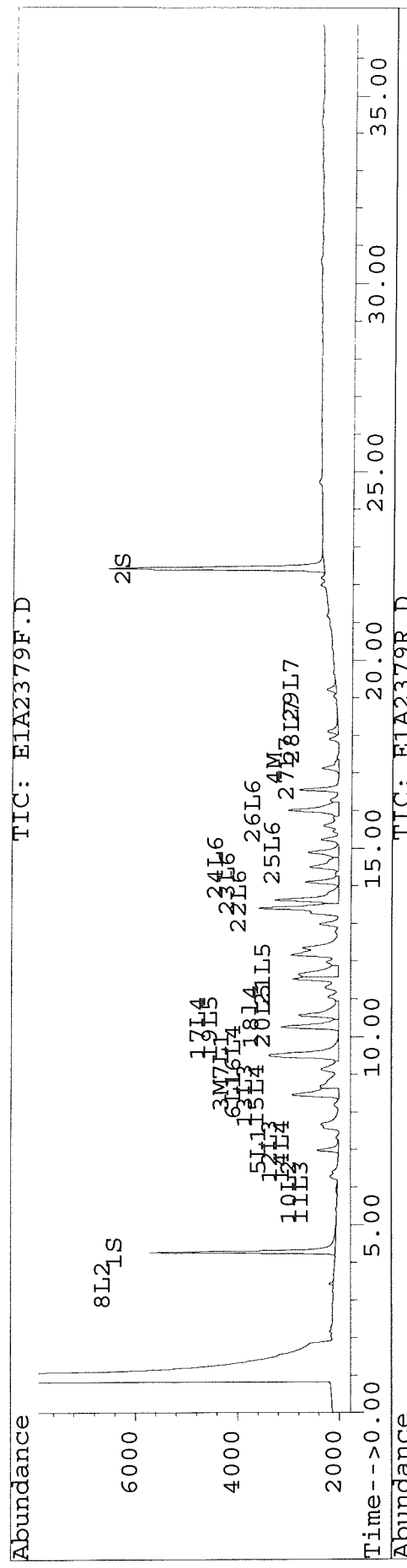
9/19/97
 Sample #
 contains AR1254
 Read
 The notes don't
 AR1242 do not
 match; also missing
 from Read

255/ll

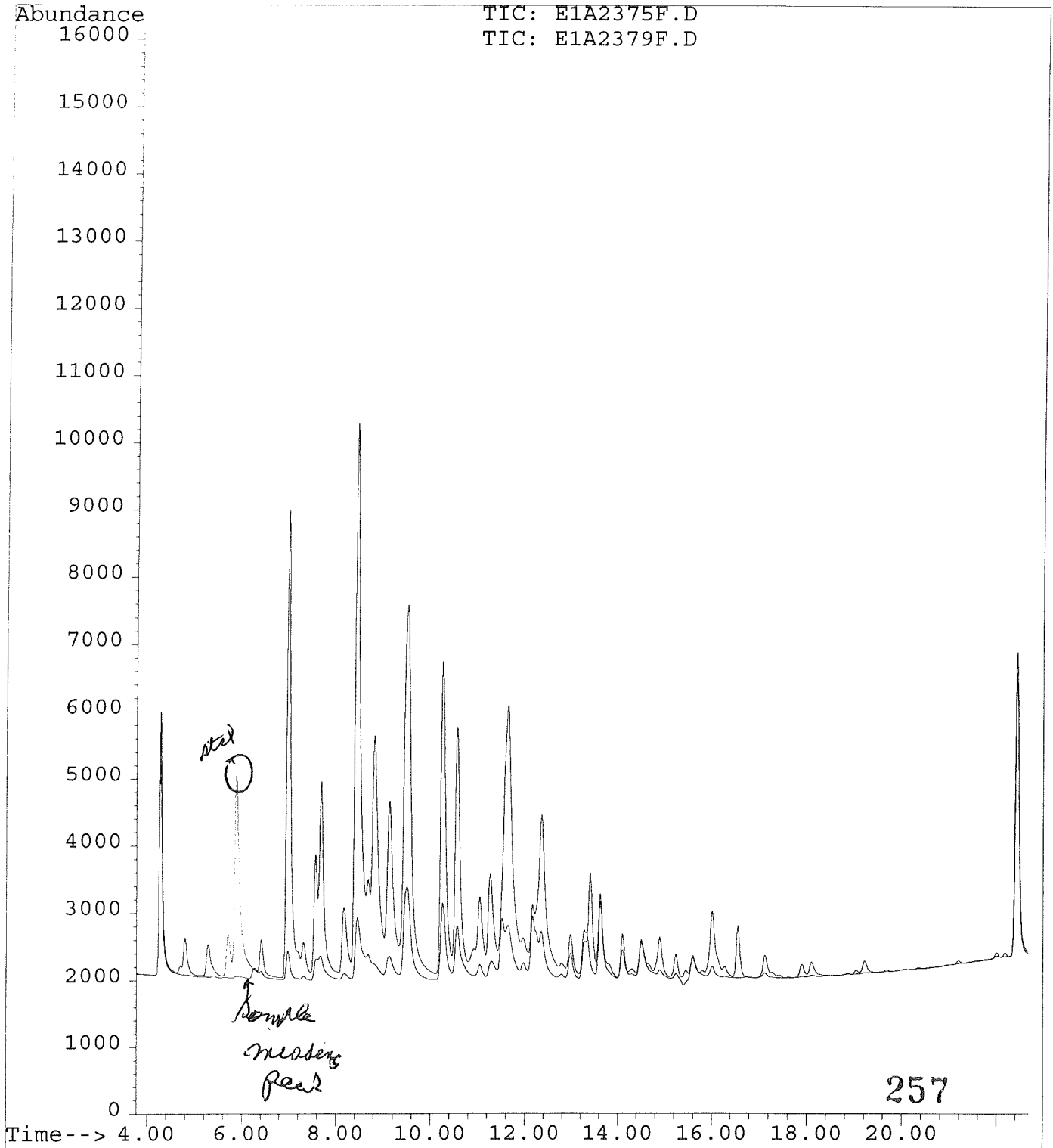
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 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2379R.D
 Acq On : 18 Sep 97 01:19 PM Operator: JS
 Sample : D1414-38,L2-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,5,16-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 18 14:56 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

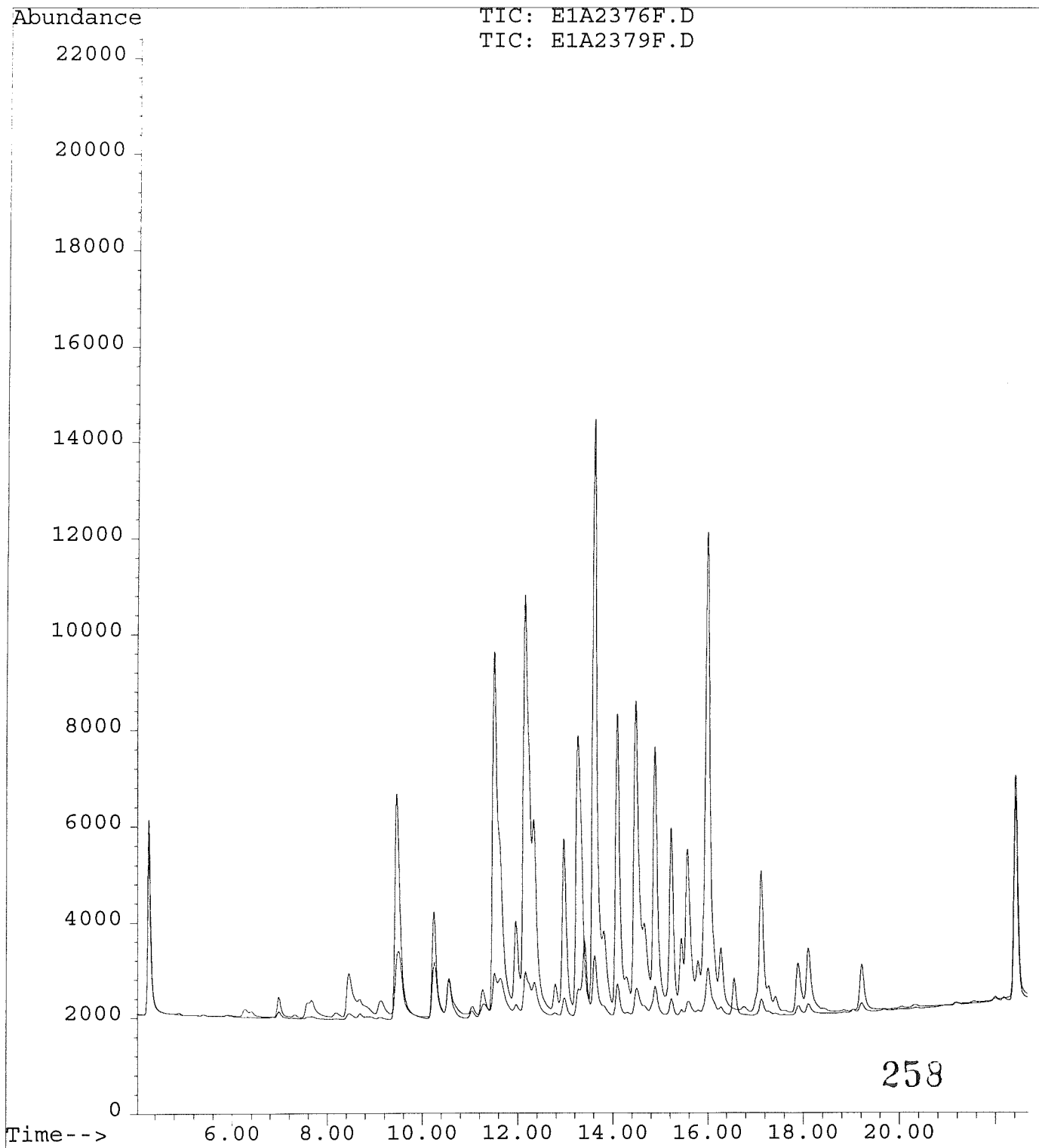
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2375F.D
Operator : JS
Acquired : 18 Sep 97 10:37 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 28



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D
Operator : JS
Acquired : 18 Sep 97 11:17 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 29



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D Vial: 33
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D\E1A2380R.D
 Acq On : 18 Sep 97 02:00 PM Operator: JS
 Sample : D1414-39,L3-C1,P0916-B2 Inst : E1
 Misc : 0,,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 14:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3565	3413	16.723	17.014
			Recovery	=	83.61%	85.07%
2) S Decachlorobiphenyl	22.43	31.32	4269	2028	17.474	16.981
			Recovery	=	87.37%	84.91%
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	21.98	0	25	N.D.	0.160 #
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	3.43	0.00	65	0	7.592	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	64	N.D.	10.555 #
10) L2 Aroclor-1221 {3}	5.87	0.00	42	0	2.412	N.D. #
Total Aroclor-1221			106	64	10.004	10.555
Average Aroclor-1221					5.002	10.555
11) L3 Aroclor-1232	5.87	0.00	42	0	3.124	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			42	0	3.124	N.D.
Average Aroclor-1232					3.124	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)	10.53f	0.00	35	0	1.786	N.D. #
Total Aroclor-1242			35	0	1.786	N.D.
Average Aroclor-1242					1.786	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D Vial: 33
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D\E1A2380R.D
 Acq On : 18 Sep 97 02:00 PM Operator: JS
 Sample : D1414-39,L3-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 14:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

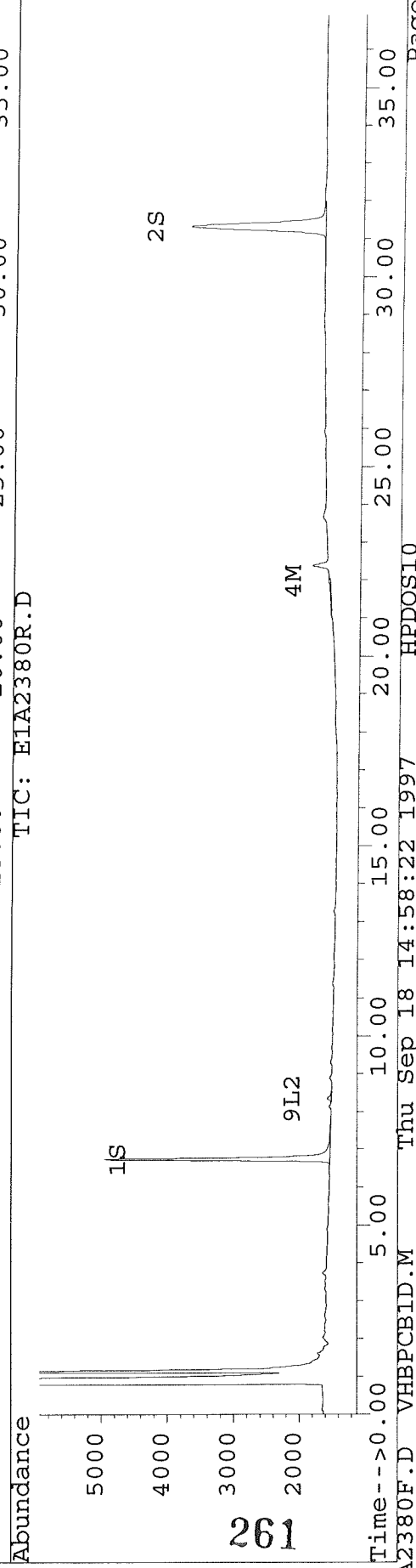
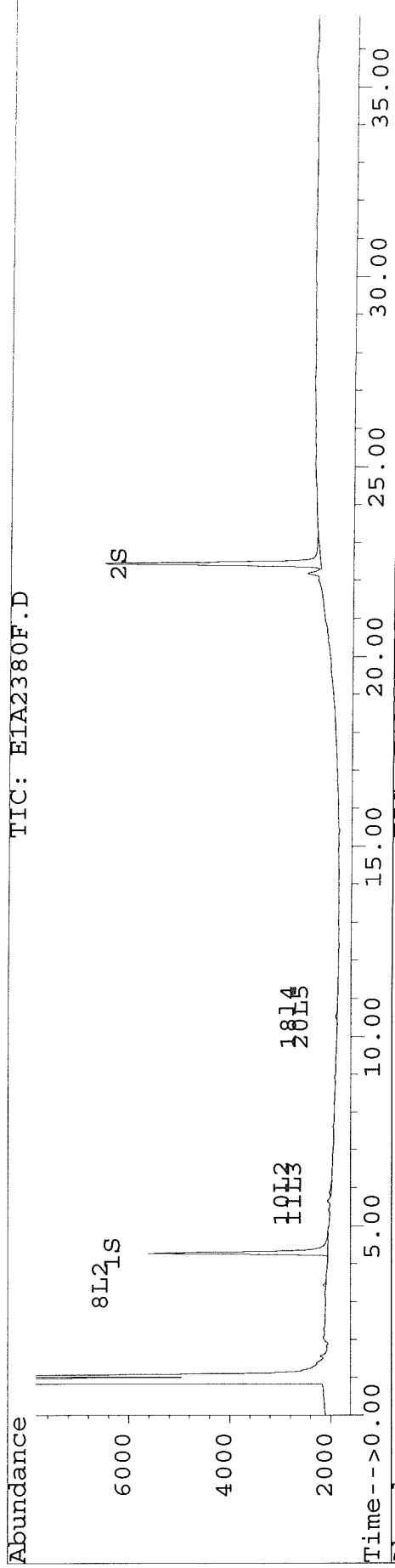
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.53f	0.00	35	0	1.823	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			35	0	1.823	N.D.
Average Aroclor-1248					1.823	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	0.00	0	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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2380F.D\E1A2380R.D
Acq On : 18 Sep 97 02:00 PM Operator: JS
Sample : D1414-39,L3-C1,P0916-B2 Inst : E1
Misc : 0,,2,,25000,,15.0,16,16-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 18 14:55 1997

Method : C:\HPCHEM\5\METHODS\VHBPCBID.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D\E1A2381R.D
 Acq On : 18 Sep 97 02:40 PM Operator: JS
 Sample : D1414-40,L4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 15:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.73	3830	3728	17.966	18.583
			Recovery	=	89.83%	92.91%
2) S Decachlorobiphenyl	22.43	31.32	4744	2363	19.418	19.787
			Recovery	=	97.09%	98.94%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.02	1039	1101	14.548	15.506
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	475	362	3.036	2.301
5) L1 Aroclor-1016	6.98	10.65	512	666	18.781	24.963 #
6) L1 Aroclor-1016 {2}	8.45	12.02	1039	1101	27.366	38.148 #
7) L1 Aroclor-1016 {3}	9.50	12.61	1148	336	53.138	24.477 #
Total Aroclor-1016			2699	2103	99.285	87.589
Average Aroclor-1016					33.095	29.196
8) L2 Aroclor-1221	3.43	0.00	55	0	6.472	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	69	N.D.	11.220 #
10) L2 Aroclor-1221 {3}	5.86	9.13	1423	106	81.998	7.207 #
Total Aroclor-1221			1478	174	88.469	18.427
Average Aroclor-1221					44.235	9.214
11) L3 Aroclor-1232	5.86	9.13	1423	106	106.237	8.954 #
12) L3 Aroclor-1232 {2}	6.98	10.65	512	666	42.130	53.568 #
13) L3 Aroclor-1232 {3}	8.45	12.02	1039	1101	64.488	90.278 #
Total Aroclor-1232			2974	1873	212.854	152.800
Average Aroclor-1232					70.951	50.933
14) L4 Aroclor-1242	6.98	10.65	512	666	13.982	18.490 #
15) L4 Aroclor-1242 {2}	8.45	12.02	1039	1101	23.497	28.480
16) L4 Aroclor-1242 {3}	9.50	13.18	1148	916	40.364	42.147
17) L4 Aroclor-1242 (4)	10.25	14.36	956	853	39.278	37.234
18) L4 Aroclor-1242 (5)	10.56	14.81	656	696	33.007	50.014 #
Total Aroclor-1242			4311	4231	150.127	176.365
Average Aroclor-1242					30.025	35.273
19) L5 Aroclor-1248	10.25	15.33	956	608	40.728	31.018

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D\E1A2381R.D
 Acq On : 18 Sep 97 02:40 PM Operator: JS
 Sample : D1414-40,L4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 15:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	656	559	33.689	28.109
21) L5 Aroclor-1248 {3}	11.64	16.56	655	342	28.215	22.389
Total Aroclor-1248			2267	1508	102.632	81.516
Average Aroclor-1248					34.211	27.172
22) L6 Aroclor-1254	13.62	17.93	1004	1160	17.132	17.610
23) L6 Aroclor-1254 {2}	14.09	18.38	634	631	20.880	17.872
24) L6 Aroclor-1254 {3}	14.49	18.56	486	672	15.520	23.565 #
25) L6 Aroclor-1254 (4)	14.89	18.88	499	553	18.590	19.265
26) L6 Aroclor-1254 (5)	16.00	20.42	891	838	18.427	18.833
Total Aroclor-1254			3514	3854	90.549	97.146
Average Aroclor-1254					18.110	19.429
27) L7 Aroclor-1260	17.12	21.82	475	317	17.184	12.942
28) L7 Aroclor-1260 {2}	18.10	22.33	567	735	11.155	12.854
29) L7 Aroclor-1260 {3}	19.20	24.21	621	350	16.651	14.640
Total Aroclor-1260			1662	1402	44.990	40.435
Average Aroclor-1260					14.997	13.478

AR1242

~~$150.127 \times 25 = 305$~~
 ~~15×0.82~~

~~300 pg/ul~~

40.364
 39.278
 33.007

~~$112.649 \times 25 = 278$~~ 391
 ~~$15 \times 0.62 \times 0.6$~~

~~230~~

380

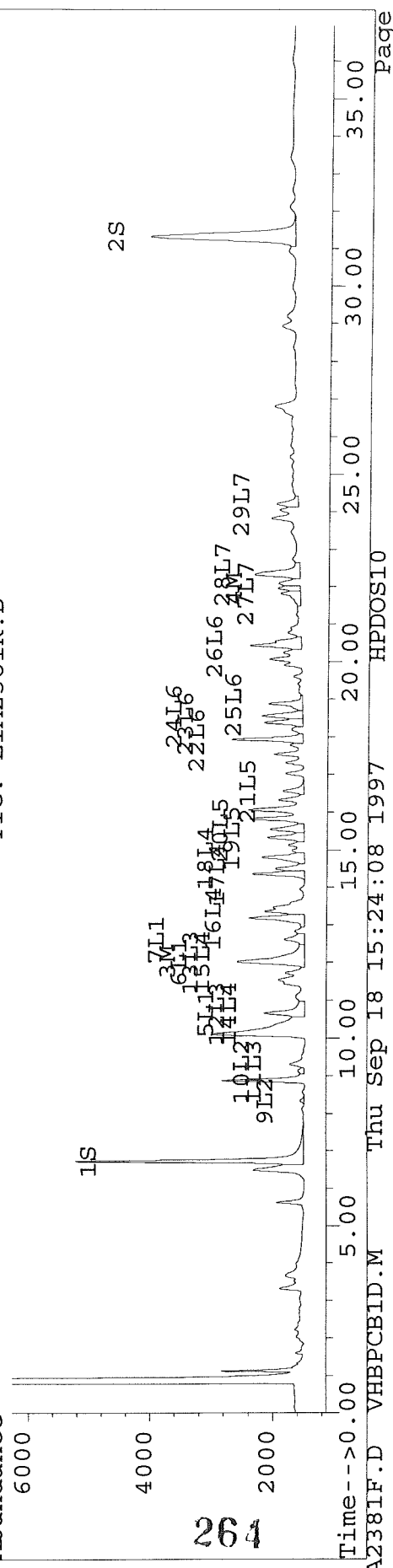
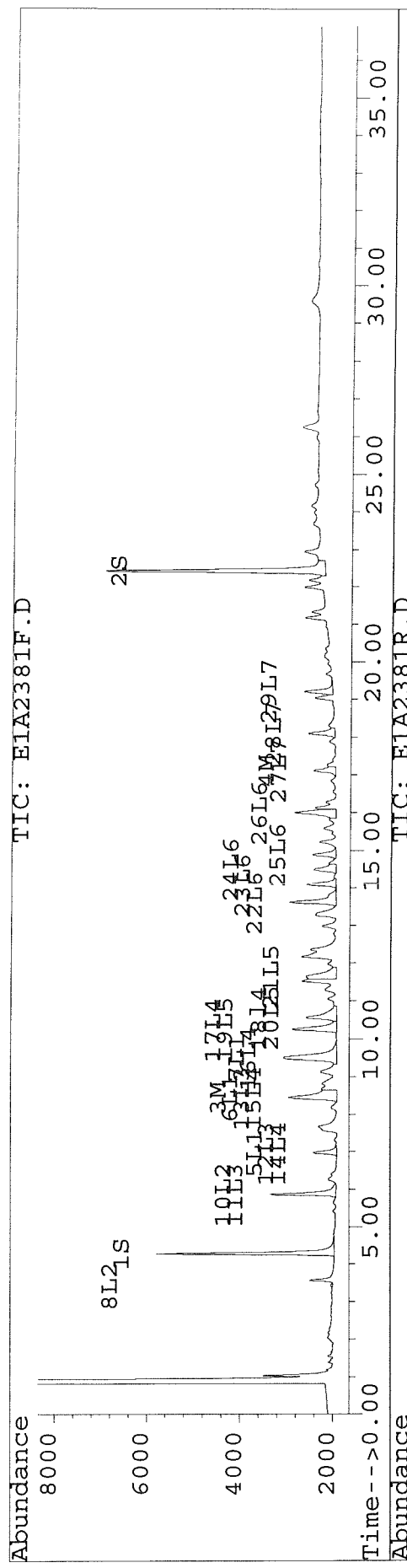
263

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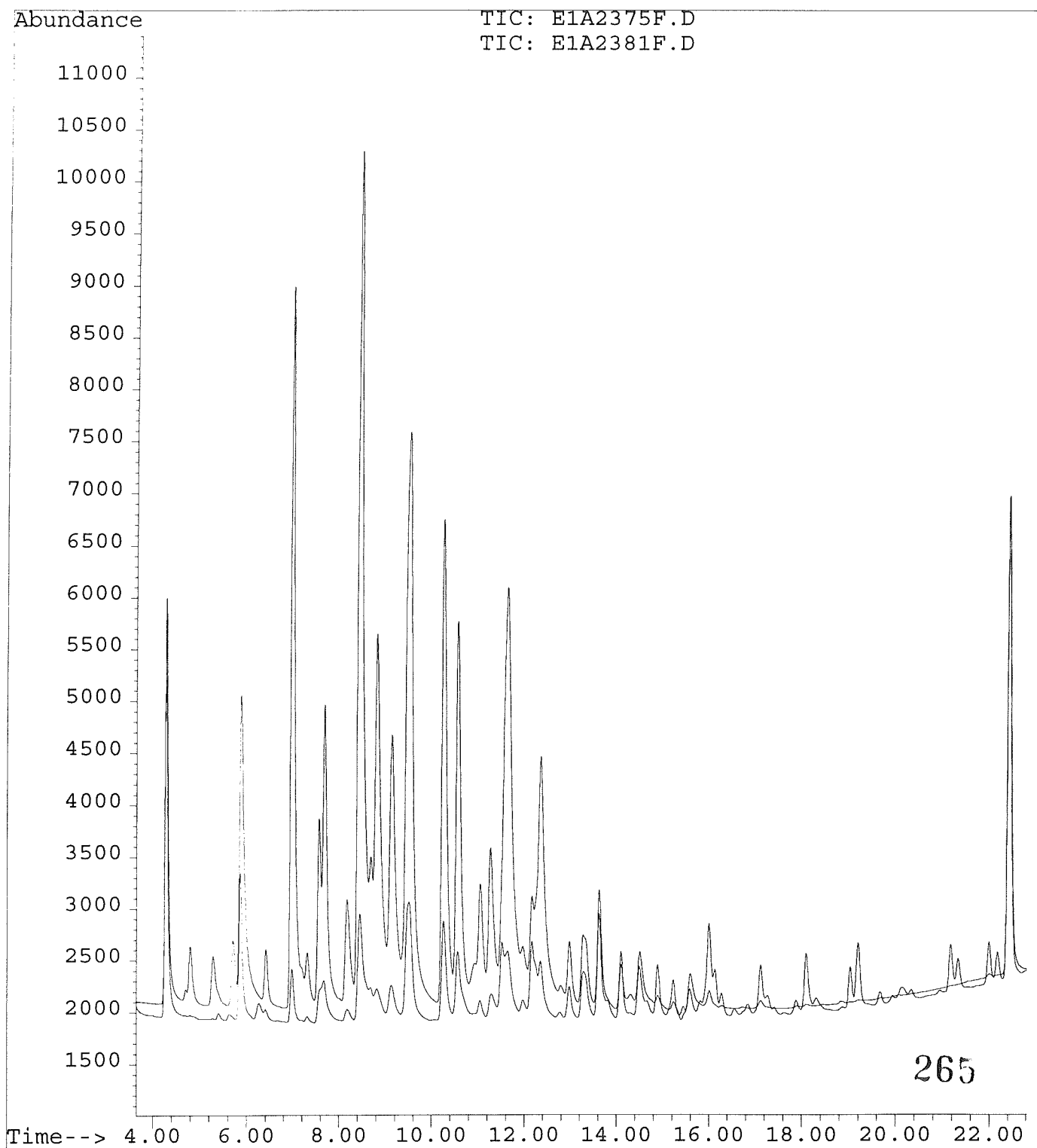
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D Vial: 34
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2381F.D\E1A2381R.D
 Acq On : 18 Sep 97 02:40 PM Operator: JS
 Sample : D1414-40,I4-C1,P0916-B2 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,16-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 18 15:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2375F.D
Operator : JS
Acquired : 18 Sep 97 10:37 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 28



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D Vial: 1
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D\E1A2348R.D
 Acq On : 17 Sep 97 04:04 PM Operator: JS
 Sample : P0916-B2,PBLK03,P0916-B2 Inst : E1
 Misc : 3,,BLANK,2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.72	3850	3457	18.057	17.231
			Recovery	=	90.29%	86.16%
2) S Decachlorobiphenyl	22.44	31.34	4032	1930	16.503	16.162
			Recovery	=	82.52%	80.81%
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	3.44	0.00	49	0	5.764	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			49	0	5.764	N.D.
Average Aroclor-1221					5.764	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor-1242 (4)	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D Vial: 1
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D\E1A2348R.D
 Acq On : 17 Sep 97 04:04 PM Operator: JS
 Sample : P0916-B2, PBLK03, P0916-B2 Inst : E1
 Misc : 3, , BLANK, 2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

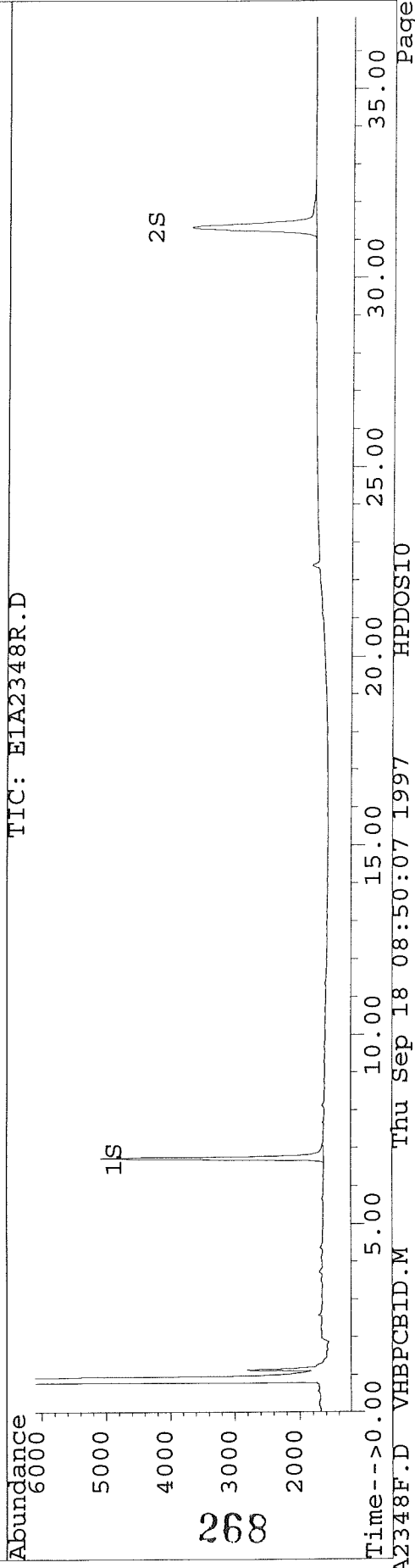
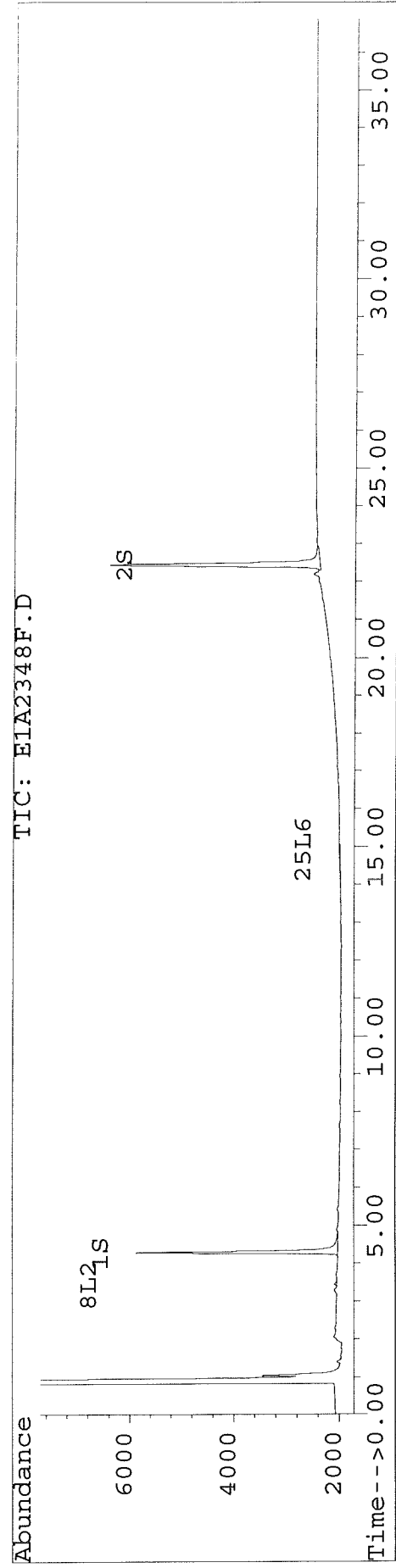
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.0000	0.0000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	N.D.
25) L6 Aroclor-1254 (4)	14.93	0.00	20	0	0.753	N.D. #
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			20	0	0.753	N.D.
Average Aroclor-1254					0.753	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

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D Vial: 1
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2348F.D E1A2348R.D
 Acq On : 17 Sep 97 04:04 PM Operator: JS
 Sample : P0916-B2,PBLK03,P0916-B2 Inst : E1
 Misc : 3,,BLANK,2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970917\E1A2349F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2349F.D\E1A2349R.D
 Acq On : 17 Sep 97 04:59 PM Operator: JS
 Sample : P0916-LCS2,PLCS03,P0916-B2 Inst : E1
 Misc : 3,,LCS,2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.29	6.72	3945	3517	18.503	17.532
			Recovery	=	92.52%	87.66%
2) S Decachlorobiphenyl	22.44	31.34	4178	1974	17.103	16.532
			Recovery	=	85.52%	82.66%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.02	74761	71899	1046.854	1012.389
4) M 2,2',3,3',4,4'-Hexa	17.12	21.95	160809	156801	1027.796	997.412
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	8.42f	12.02	74761	71899	1969.198	2490.643
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			74761	71899	1969.198	2490.643
Average Aroclor-1016					1969.198	2490.643
8) L2 Aroclor-1221	3.44	0.00	52	0	6.070	N.D. #
9) L2 Aroclor-1221 {2}	5.29	8.32	84	139	12.898	22.738 #
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			135	139	18.969	22.738
Average Aroclor-1221					9.484	22.738
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}	8.42f	12.02	74761	71899	4640.381	5894.102
Total Aroclor-1232			74761	71899	4640.381	5894.102
Average Aroclor-1232					4640.381	5894.102
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	8.42f	12.02	74761	71899	1690.787	1859.408
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor-1242 (4)	10.21f	0.00	164	0	6.734	N.D. #
18) L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			74925	71899	1697.521	1859.408
Average Aroclor-1242					848.761	1859.408
19) L5 Aroclor-1248	10.21f	0.00	164	0	6.982	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2349F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2349F.D\E1A2349R.D
 Acq On : 17 Sep 97 04:59 PM Operator: JS
 Sample : P0916-LCS2,PLCS03,P0916-B2 Inst : E1
 Misc : 3,,LCS,2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	15.56	0	21	N.D.	1.064 #
21) L5 Aroclor-1248 {3}	11.69	0.00	28	0	1.228	N.D. #
Total Aroclor-1248			192	21	8.210	1.064
Average Aroclor-1248					4.105	1.064
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.11	0.00	406	0	13.366	N.D. #
24) L6 Aroclor-1254 {3}	14.47f	0.00	276	0	8.818	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			682	0	22.184	N.D.
Average Aroclor-1254					11.092	0.000
27) L7 Aroclor-1260	17.12	0.00	160809	0	5817.590	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.24	24.22	73	70	1.947	2.944 #
Total Aroclor-1260			160882	70	5819.536	2.944
Average Aroclor-1260					2909.768	2.944

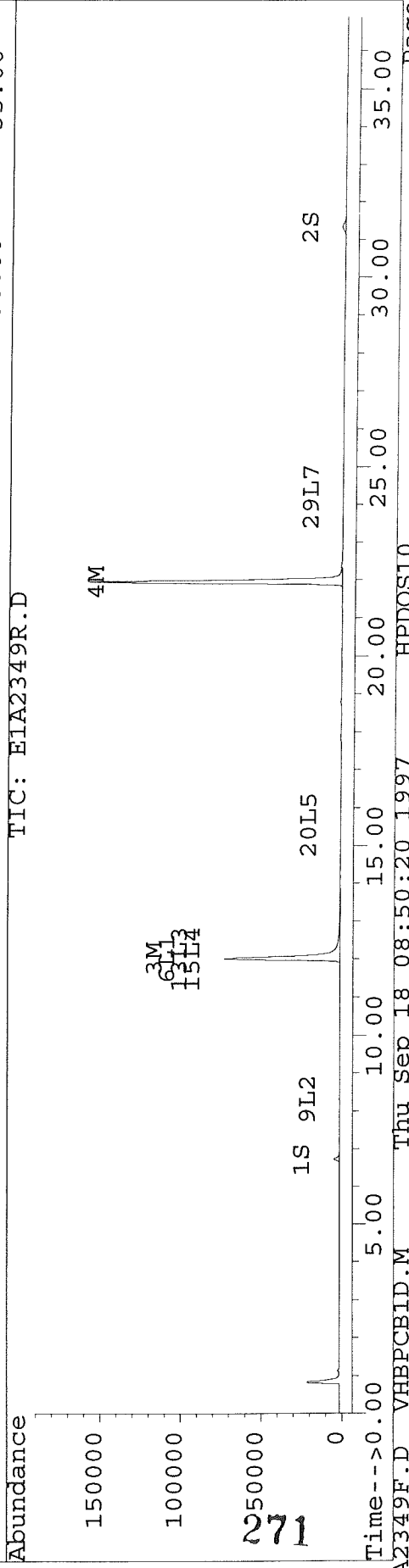
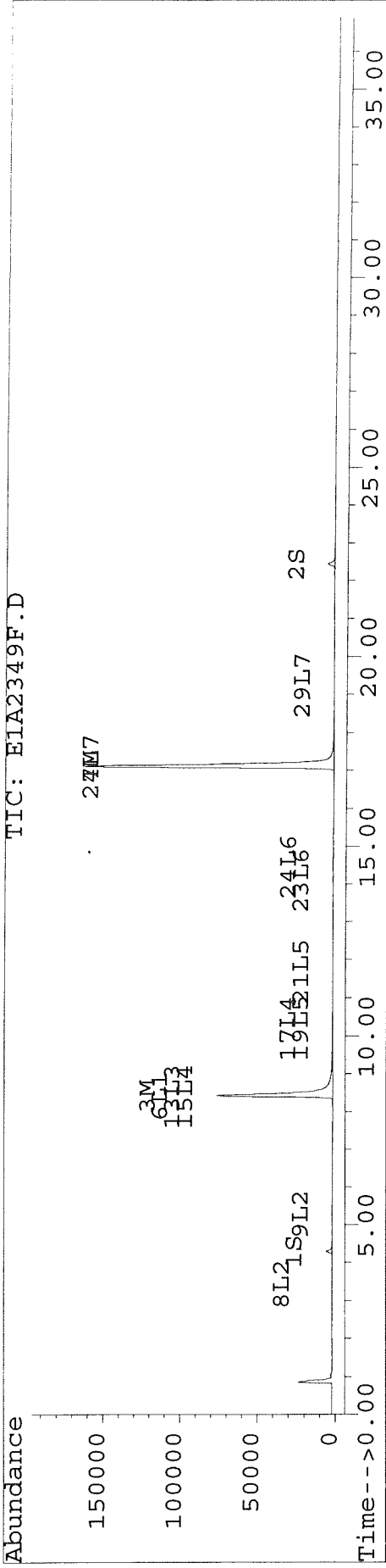
9/18/97
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2349F.D Vial: 2
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2349F.D\E1A2349R.D
 Acq On : 17 Sep 97 04:59 PM Operator: JS
 Sample : P0916-LCS2, PLCS03, P0916-B2 Inst : E1
 Misc : 3,,LCS,2, Multiplr: 1.00
 Quant Time: Sep 17 17:46 1997

Method : C:\HPCHEM\5\METHODS\VHPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



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

DATE	9-16-97	Analysis PCB	Sample Matrix	Project# : D1414							
Blank ID	PO916-BZ	Method Senic	Analyst <input checked="" type="checkbox"/> Spike <input checked="" type="checkbox"/> Wit	Client : VHB							
Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.	Florasil Date/An.	Final Conc Date/An.	Final Extr. Volum.	Cu/Acid Date/An.	Date Extr. Tran.	Comments
PO916-BZ		15.0g	PW570725A 1mL				9/17/97	25mL Hexane	9/17/97	9/17/97	
-LCS3				PW570725B 1mL							
PD1414	ISB										
-21MS											
-21MSD											
-22 I9-											
-23 I10											
-24 I-0											
-25 I-0											
-26 J2											
-27 J3											
-28 J4											
-29 J5											
-30 J6											
-31 J8											
-32 J10											

12
12
12
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11
8
17
13
11

334 a x 2.5 =

TKEM 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
16-57	D142j -07	104°C	1.0	11.0	10.0	1/17/97	95°C	10.2	9.2	92	REN	
	D1414-21							9.8	8.8	89		
	-22							9.7	8.7	89		
	-23							10.0	9.0	90		
	-24							10.6	9.6	90		
	-25							9.6	8.6	89		
	-26							9.7	8.7	89		
	-27							9.6	8.6	89		
	-28							9.9	8.9	89		
	-29							10.2	9.2	92		
	-30							9.3	8.3	89		
	-31							9.7	8.7	89		
	-32							9.9	8.9	89		
	-33							9.5	8.5	89		
	-34							9.6	8.6	89		
	-35							9.4	8.4	89		
	-36							9.4	8.4	89		
	-37							9.3	8.3	89		
	-38							10.5	9.5	90		
	-39							9.4	8.4	89		
	-40							9.2	8.2	89		

solid = Dry Wt. Tared / Wet Wt. Tared x 100

VHB PCB Data

Matrix: Soil samples

QC Batch: P0917-B1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382F.D Vial: 35
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382F.D\E1A2382R.D
 Acq On : 18 Sep 97 04:03 PM Operator: JS
 Sample : D1414-41,L7-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.72	3937	3528	18.466	17.586
			Recovery	=	92.33%	87.93%
2) S Decachlorobiphenyl	22.43	31.32	4146	1989	16.969	16.657m
			Recovery	=	84.85%	83.29%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.02	198	198	2.776	2.790
4) M 2,2',3,3',4,4'-Hexa	17.12	21.95	290	336	1.855	2.137
5) L1 Aroclor-1016	6.98	10.65	93	123	3.393	4.619 #
6) L1 Aroclor-1016 {2}	8.45	12.02	198	198	5.222	6.863 #
7) L1 Aroclor-1016 {3}	9.51	12.59f	420	97	19.465	7.080 #
Total Aroclor-1016			711	418	28.080	18.561
Average Aroclor-1016					9.360	6.187
8) L2 Aroclor-1221	3.44	0.00	93	0	10.936	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.32	0	428	N.D.	70.092 #
10) L2 Aroclor-1221 {3}	5.87	0.00	3985	0	229.679	N.D. #
Total Aroclor-1221			4078	428	240.615	70.092
Average Aroclor-1221					120.308	70.092
11) L3 Aroclor-1232	5.87	0.00	3985	0	297.574	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.65	93	123	7.611	9.911 #
13) L3 Aroclor-1232 {3}	8.45	12.02	198	198	12.306	16.240 #
Total Aroclor-1232			4275	321	317.491	26.151
Average Aroclor-1232					105.830	18.076
14) L4 Aroclor-1242	6.98	10.65	93	123	2.526	3.421 #
15) L4 Aroclor-1242 {2}	8.45	12.02	198	198	4.484	5.123
16) L4 Aroclor-1242 {3}	9.51	13.17	420	273	14.785	12.584
17) L4 Aroclor-1242 (4)	10.25	14.35	381	243	15.643	10.608 #
18) L4 Aroclor-1242 (5)	10.57	14.80	215	396	10.841	28.457 #
Total Aroclor-1242			1307	1234	48.279	60.193
Average Aroclor-1242					9.656	12.039
19) L5 Aroclor-1248	10.25	15.31	381	176	16.220	8.962 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382F.D Vial: 35
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382F.D\E1A2382R.D
 Acq On : 18 Sep 97 04:03 PM Operator: JS
 Sample : D1414-41,L7-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.54	215	182	11.065	9.159
21) L5 Aroclor-1248 {3}	11.64	16.55	241	143	10.400	9.335
Total Aroclor-1248			838	500	37.685	27.457
Average Aroclor-1248					12.562	9.152
22) L6 Aroclor-1254	13.62	17.93	679	802	11.592	12.174
23) L6 Aroclor-1254 {2}	14.10	18.37	415	352	13.681	9.959 #
24) L6 Aroclor-1254 {3}	14.48	18.55	275	497	8.785	17.445 #
25) L6 Aroclor-1254 (4)	14.89	18.87	357	421	13.303	14.684
26) L6 Aroclor-1254 (5)	16.01	20.43	641	714	13.255	16.044
Total Aroclor-1254			2368	2787	60.616	70.307
Average Aroclor-1254					12.123	14.061
27) L7 Aroclor-1260	17.12	21.82	290	220	10.499	8.966
28) L7 Aroclor-1260 {2}	18.10	0.00	294	0	5.792	N.D. #
29) L7 Aroclor-1260 {3}	19.21	24.21	246	263	6.598	10.987 #
Total Aroclor-1260			830	483	22.888	19.953
Average Aroclor-1260					7.629	9.976

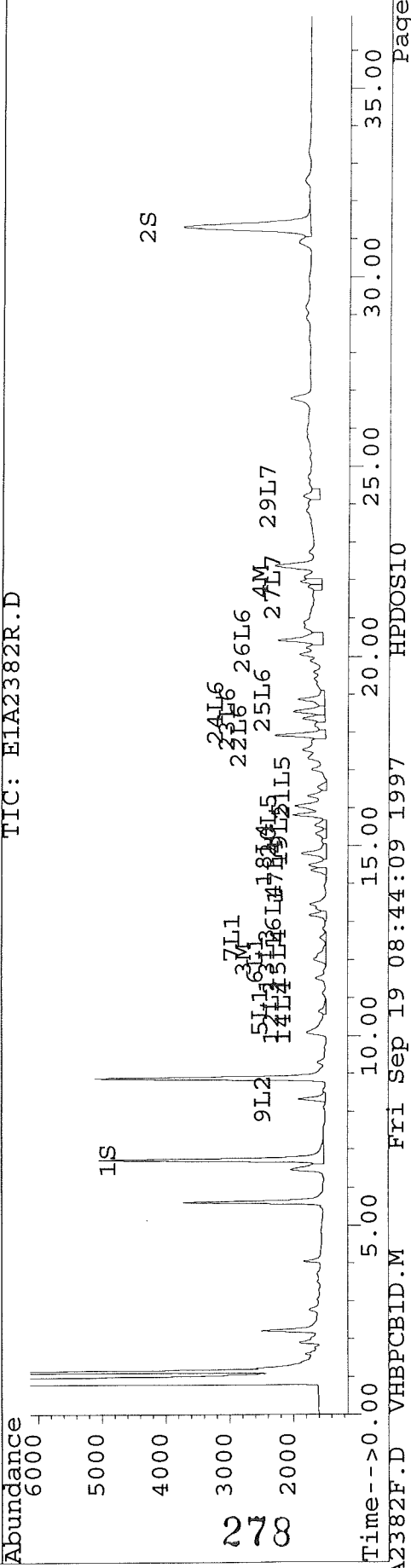
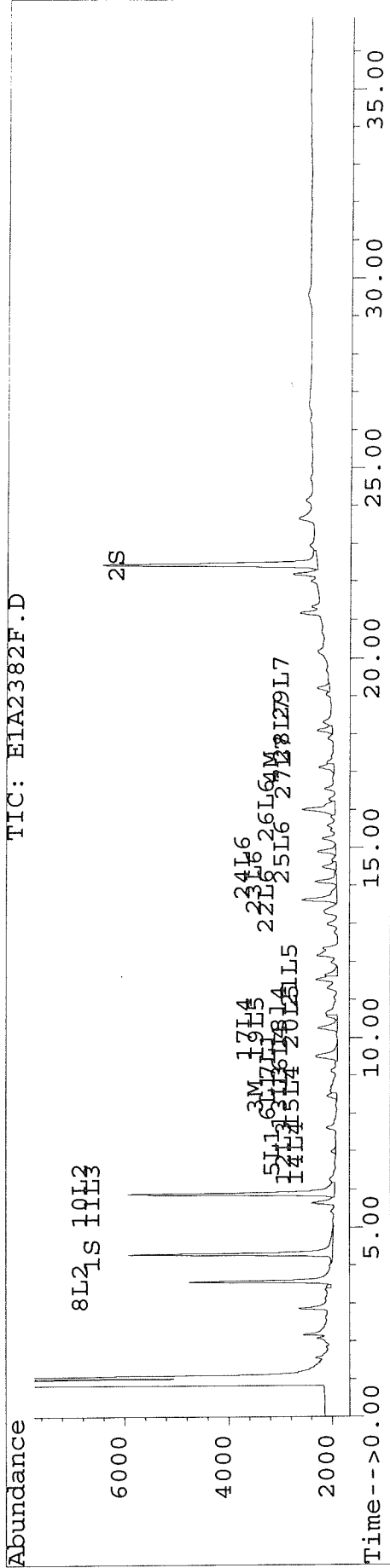
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277
JS 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382F.D Vial: 35
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2382R.D
 Acq On : 18 Sep 97 04:03 PM Operator: JS
 Sample : D1414-41,L7-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2383F.D Vial: 36
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2383F.D\E1A2383R.D
 Acq On : 18 Sep 97 04:44 PM Operator: JS
 Sample : D1414-41MS,L7-C1MS,P0917-B1 Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.73	3887	3497	18.232	17.433
			Recovery	=	91.16%	87.17%
2) S Decachlorobiphenyl	22.43	31.33	4264	2053	17.453m	17.19
			Recovery	=	87.26%	85.96%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.41	12.02	77568	73348	1086.160	1032.7
4) M 2,2',3,3',4,4'-Hexa	17.10	21.95	162296	153020	1037.300	973.35
5) L1 Aroclor-1016	6.98	10.66	189	217	6.922	8.12
6) L1 Aroclor-1016 {2}	0.00	12.02	0	73348	N.D.	2540.845
7) L1 Aroclor-1016 {3}	9.50	0.00	993	0	45.964	N.D.
Total Aroclor-1016			1181	73565	52.886	2548.97
Average Aroclor-1016					26.443	1274.485
8) L2 Aroclor-1221	3.43	0.00	51	0	5.946	N.D.
9) L2 Aroclor-1221 {2}	5.27	8.33	105	496	16.125	81.23
10) L2 Aroclor-1221 {3}	5.86	0.00	3501	0	201.835	N.D.
Total Aroclor-1221			3657	496	223.905	81.237
Average Aroclor-1221					74.635	81.23
11) L3 Aroclor-1232	5.86	0.00	3501	0	261.498	N.D.
12) L3 Aroclor-1232 {2}	6.98	10.66	189	217	15.527	17.403
13) L3 Aroclor-1232 {3}	0.00	12.02	0	73348	N.D.	6012.903
Total Aroclor-1232			3690	73565	277.025	6030.347
Average Aroclor-1232					138.513	3015.174
14) L4 Aroclor-1242	6.98	10.66	189	217	5.153	6.021
15) L4 Aroclor-1242 {2}	8.41f	12.02	77568	73348	1754.270	1896
16) L4 Aroclor-1242 {3}	9.50	13.18	993	700	34.915	32.2
17) L4 Aroclor-1242 (4)	10.25	14.36	821	529	33.743	23.107
18) L4 Aroclor-1242 (5)	0.00	14.81	0	796	N.D.	57.180
Total Aroclor-1242			79571	75589	1828.082	2015.9
Average Aroclor-1242					457.020	403.079
19) L5 Aroclor-1248	10.25	15.32	821	313	34.989	16.0

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2383F.D Vial: 36
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2383F.D\E1A2383R.D
 Acq On : 18 Sep 97 04:44 PM Operator: JS
 Sample : D1414-41MS,L7-C1MS,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	15.55	0	359	N.D.	18.056
21) L5 Aroclor-1248 {3}	11.64	16.56	435	237	18.757	15.55
Total Aroclor-1248			1257	910	53.746	49.608
Average Aroclor-1248					26.873	16.536
22) L6 Aroclor-1254	13.62	17.93	940	1383	16.033	20.98
23) L6 Aroclor-1254 {2}	14.09	18.37	999	555	32.896	15.71
24) L6 Aroclor-1254 {3}	14.47f	18.56	796	696	25.423	24.40
25) L6 Aroclor-1254 (4)	14.89	18.87	532	610	19.821	21.25
26) L6 Aroclor-1254 (5)	16.00	20.43	878	871	18.161	19.58
Total Aroclor-1254			4144	4115	112.334	101.941
Average Aroclor-1254					22.467	20.388
27) L7 Aroclor-1260	17.10	0.00	162296	0	5871.389	N.D
28) L7 Aroclor-1260 {2}	18.10	22.32	444	920	8.734	16.09
29) L7 Aroclor-1260 {3}	19.21	24.21	390	346	10.463	14.48
Total Aroclor-1260			163130	1266	5890.586	30.58
Average Aroclor-1260					1963.529	15.29

AR1254

$$\frac{101.941 \times 25}{15.0 \times 0.9} = 188$$

190 ug/kg

h

280

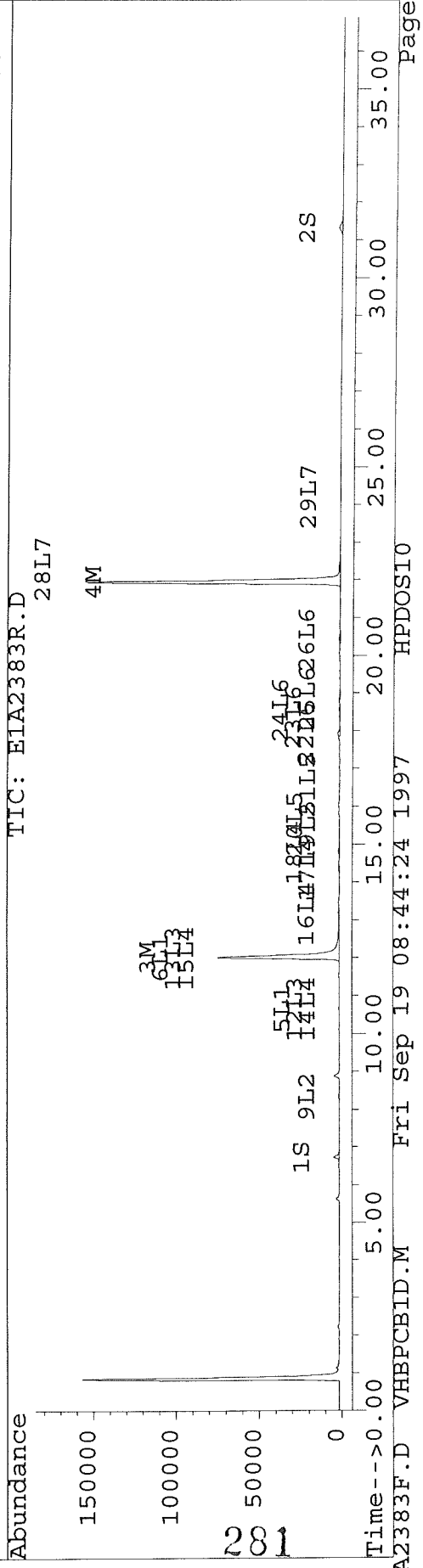
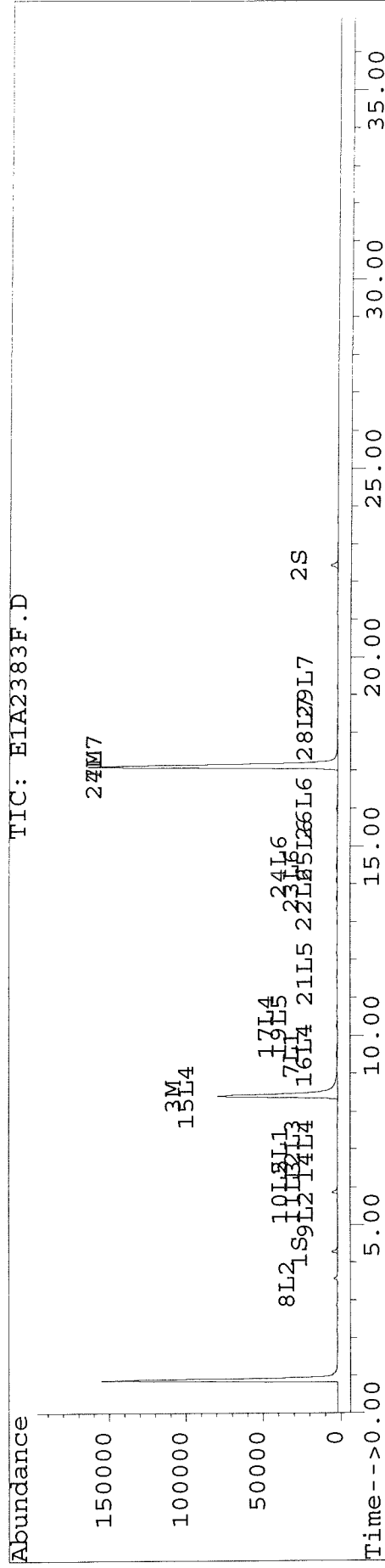
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2383F.D Vial: 36
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2383F.D\E1A2383R.D
 Acq On : 18 Sep 97 04:44 PM Operator: JS
 Sample : D1414-41MS,L7-C1MS,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D Vial: 37
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D\E1A2384R.D
 Acq On : 18 Sep 97 05:24 PM Operator: JS
 Sample : D1414-41MSD,L7-C1MSD,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.27	6.73	3985	3710	18.694	18.495
			Recovery =		93.47%	92.48%
2) S Decachlorobiphenyl	22.43	31.32	4287	2122	17.546m	17.771
			Recovery =		87.73%	88.86%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.41	12.02	79247	77664	1109.668	1093.571
4) M 2,2',3,3',4,4'-Hexa	17.10	21.95	167579	159007	1071.066	1011.445
5) L1 Aroclor-1016	6.98	10.66	92	145	3.361	5.425 #
6) L1 Aroclor-1016 {2}	0.00	12.02	0	77664	N.D.	2690.364 #
7) L1 Aroclor-1016 {3}	9.50	0.00	634	0	29.338	N.D. #
Total Aroclor-1016			725	77809	32.699	2695.789
Average Aroclor-1016					16.349	1347.894
8) L2 Aroclor-1221	3.43	0.00	45	0	5.338	N.D. #
9) L2 Aroclor-1221 {2}	5.27	8.33	98	549	15.082	89.792 #
10) L2 Aroclor-1221 {3}	5.86	0.00	3921	0	226.045	N.D. #
Total Aroclor-1221			4065	549	246.466	89.792
Average Aroclor-1221					82.155	89.792
11) L3 Aroclor-1232	5.86	0.00	3921	0	292.865	N.D. #
12) L3 Aroclor-1232 {2}	6.98	10.66	92	145	7.539	11.641 #
13) L3 Aroclor-1232 {3}	0.00	12.02	0	77664	N.D.	6366.742 #
Total Aroclor-1232			4013	77809	300.405	6378.383
Average Aroclor-1232					150.202	3189.192
14) L4 Aroclor-1242	6.98	10.66	92	145	2.502	4.018 #
15) L4 Aroclor-1242 {2}	8.41f	12.02	79247	77664	1792.239	2008.511
16) L4 Aroclor-1242 {3}	9.50	13.18	634	506	22.285	23.306
17) L4 Aroclor-1242 (4)	10.25	14.36	462	321	18.993	14.020 #
18) L4 Aroclor-1242 (5)	10.56	14.81	267	406	13.464	29.157 #
Total Aroclor-1242			80702	79042	1849.482	2079.011
Average Aroclor-1242					369.896	415.802
19) L5 Aroclor-1248	10.25	15.32	462	230	19.694	11.747 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D Vial: 37
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D\E1A2384R.D
 Acq On : 18 Sep 97 05:24 PM Operator: JS
 Sample : D1414-41MSD,L7-C1MSD,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	267	247	13.742	12.42
21) L5 Aroclor-1248 {3}	11.64	16.56	275	177	11.830	11.621
Total Aroclor-1248			1004	655	45.266	35.796
Average Aroclor-1248					15.089	11.93
22) L6 Aroclor-1254	13.62	17.92	698	1268	11.909	19.244
23) L6 Aroclor-1254 {2}	14.09	18.38	899	454	29.613	12.85
24) L6 Aroclor-1254 {3}	0.00	18.56	0	574	N.D.	20.126
25) L6 Aroclor-1254 (4)	14.89	18.87	430	528	16.023	18.411
26) L6 Aroclor-1254 (5)	16.00	20.43	709	787	14.669	17.65
Total Aroclor-1254			2736	3611	72.214	88.326
Average Aroclor-1254					18.054	17.665
27) L7 Aroclor-1260	17.10	0.00	167579	0	6062.514	N.I
28) L7 Aroclor-1260 {2}	18.09	22.35	423	953	8.335	16.673
29) L7 Aroclor-1260 {3}	19.21	24.21	367	382	9.837	15.982
Total Aroclor-1260			168369	1335	6080.687	32.65
Average Aroclor-1260					2026.896	16.32

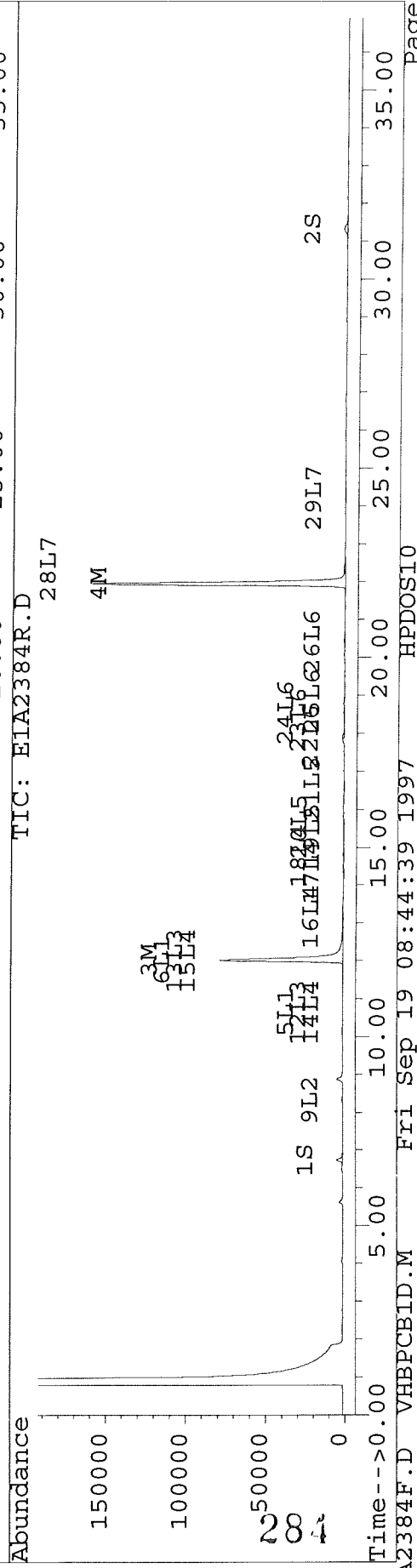
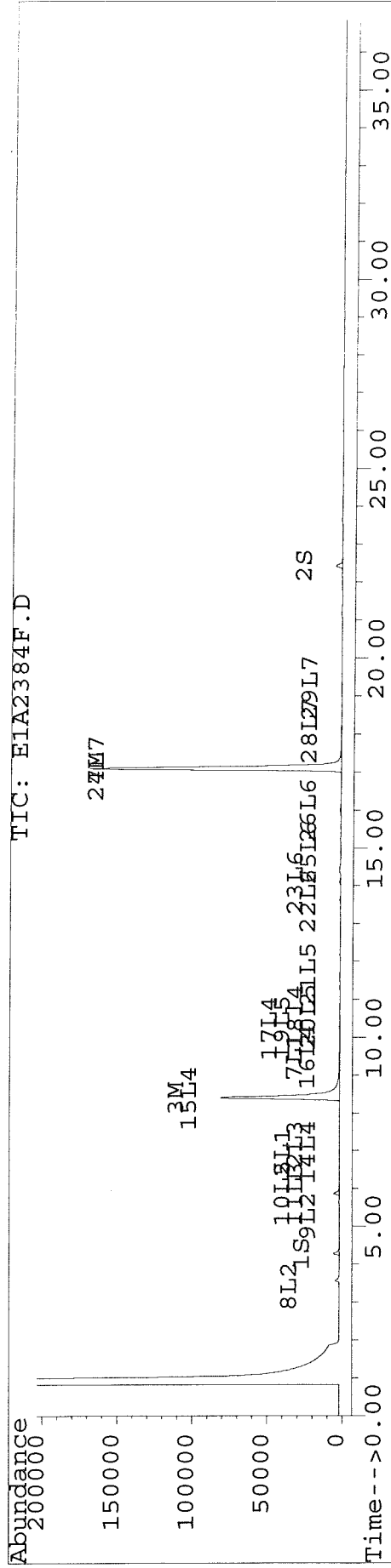
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283
 JS 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D Vial: 37
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2384F.D\E1A2384R.D
 Acq On : 18 Sep 97 05:24 PM Operator: JS
 Sample : D1414-41MSD,L7-C1MSD,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,10,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E1A2385F.D Vial: 38
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2385F.D\E1A2385R.D
 Acq On : 18 Sep 97 06:05 PM Operator: JS
 Sample : D1414-42,M1-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,11,17-SEP-97,11-SEP-9 Multiplr: 1.0
 Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.73	3813	3399	17.887	16.9
			Recovery	=	89.44%	84.
2) S Decachlorobiphenyl	22.43	31.32	4252	1988	17.404m	16.0
			Recovery	=	87.02%	83.2
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.04	187	226	2.625	3.1
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	79	129	0.506	0.
5) L1 Aroclor-1016	6.98	10.66	75	83	2.766	3.
6) L1 Aroclor-1016 {2}	8.46	12.04	187	226	4.938	7.8
7) L1 Aroclor-1016 {3}	9.51	12.60	253	48	11.720	3.4
Total Aroclor-1016			516	358	19.424	14.4
Average Aroclor-1016					6.475	4.82
8) L2 Aroclor-1221	3.43	0.00	78	0	9.226	N.
9) L2 Aroclor-1221 {2}	0.00	8.34	0	50	N.D.	8.2
10) L2 Aroclor-1221 {3}	5.87	0.00	57	0	3.302	N.D.
Total Aroclor-1221			136	50	12.528	8.2
Average Aroclor-1221					6.264	8.2
11) L3 Aroclor-1232	5.87	0.00	57	0	4.278	N.D.
12) L3 Aroclor-1232 {2}	6.98	10.66	75	83	6.204	6.
13) L3 Aroclor-1232 {3}	8.46	12.04	187	226	11.637	18.5
Total Aroclor-1232			320	310	22.119	25.27
Average Aroclor-1232					7.373	12.6
14) L4 Aroclor-1242	6.98	10.66	75	83	2.059	2.3
15) L4 Aroclor-1242 {2}	8.46	12.04	187	226	4.240	5.
16) L4 Aroclor-1242 {3}	9.51	13.18	253	194	8.903	8.
17) L4 Aroclor-1242 (4)	10.26	14.36	215	193	8.844	8.4
18) L4 Aroclor-1242 (5)	10.56	14.81	155	191	7.789	13.7
Total Aroclor-1242			886	889	31.834	39.3
Average Aroclor-1242					6.367	7.86
19) L5 Aroclor-1248	10.26	15.33	215	160	9.170	8.

285

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2385F.D Vial: 38
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2385F.D\E1A2385R.D
 Acq On : 18 Sep 97 06:05 PM Operator: JS
 Sample : D1414-42,M1-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,,25000,,15.0,11,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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}	10.56	15.55	155	162	7.950	8.136
21) L5 Aroclor-1248 {3}	11.65	16.57	169	113	7.299	7.421
Total Aroclor-1248			539	435	24.419	23.719
Average Aroclor-1248					8.140	7.906
22) L6 Aroclor-1254	13.62	17.94	232	306	3.959	4.648
23) L6 Aroclor-1254 {2}	14.10	18.38	135	171	4.451	4.846
24) L6 Aroclor-1254 {3}	14.51	18.56	110	155	3.523	5.455
25) L6 Aroclor-1254 (4)	14.89	18.88	120	140	4.452	4.892
26) L6 Aroclor-1254 (5)	16.01	20.43	216	210	4.477	4.730
Total Aroclor-1254			813	984	20.861	24.571
Average Aroclor-1254					4.172	4.914
27) L7 Aroclor-1260	17.12	21.83	79	69	2.863	2.822
28) L7 Aroclor-1260 {2}	18.10	0.00	52	0	1.034	N.D. #
29) L7 Aroclor-1260 {3}	19.22	24.21	88	77	2.371	3.219
Total Aroclor-1260			220	146	6.268	6.041
Average Aroclor-1260					2.089	3.020

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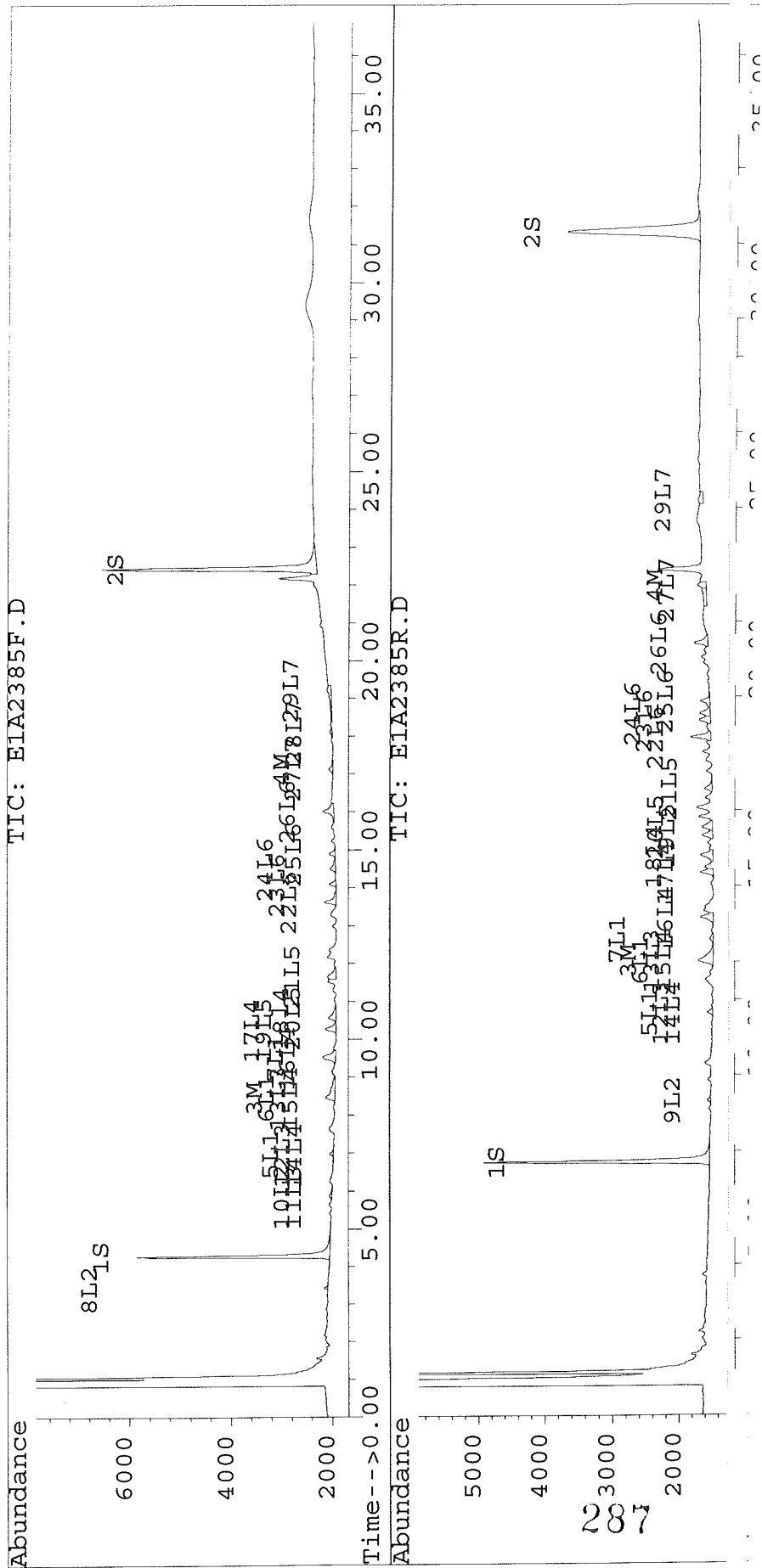
JS 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2385F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2385F.D\E1A2385R.D
Acq On : 18 Sep 97 06:05 PM Operator: JS
Sample : D1414-42,M1-C1,P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,11,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2386F.D Vial: 39
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2386F.D\E1A2386R.D
 Acq On : 18 Sep 97 06:45 PM Operator: JS
 Sample : D1414-43,M4-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3772	3422	17.691	17.0
			Recovery	=	88.46%	85.3
2) S Decachlorobiphenyl	22.43	31.33	4195	1950	17.169m	16.3
			Recovery	=	85.85%	81.6
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	52	59	0.733	0.8
4) M 2,2',3,3',4,4'-Hexa	17.12	21.97	21	37	0.131	0.2
5) L1 Aroclor-1016	6.98	10.66	44	46	1.605	1.7
6) L1 Aroclor-1016 {2}	8.46	12.03	52	59	1.379	2.0
7) L1 Aroclor-1016 {3}	9.51	0.00	83	0	3.826	N.D.
Total Aroclor-1016			179	105	6.810	3.75
Average Aroclor-1016					2.270	1.87
8) L2 Aroclor-1221	3.43	0.00	39	0	4.559	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.87	0.00	18	0	1.059	N.D.
Total Aroclor-1221			57	0	5.618	N.D.
Average Aroclor-1221					2.809	0.00
11) L3 Aroclor-1232	5.87	0.00	18	0	1.372	N.D.
12) L3 Aroclor-1232 {2}	6.98	10.66	44	46	3.601	3.6
13) L3 Aroclor-1232 {3}	8.46	12.03	52	59	3.250	4.8
Total Aroclor-1232			115	105	8.223	8.49
Average Aroclor-1232					2.741	4.24
14) L4 Aroclor-1242	6.98	10.66	44	46	1.195	1.2
15) L4 Aroclor-1242 {2}	8.46	12.03	52	59	1.184	1.5
16) L4 Aroclor-1242 {3}	9.51	13.19	83	58	2.906	2.6
17) L4 Aroclor-1242 (4)	10.26	14.37	57	54	2.322	2.3
18) L4 Aroclor-1242 (5)	10.55	14.81	52	43	2.627	3.1
Total Aroclor-1242			288	260	10.235	10.92
Average Aroclor-1242					2.047	2.18
19) L5 Aroclor-1248	10.26	15.33	57	47	2.408	2.4

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2386F.D Vial: 39
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2386F.D\E1A2386R.D
 Acq On : 18 Sep 97 06:45 PM Operator: JS
 Sample : D1414-43,M4-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.0
 Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.52f	52	98	2.681	4.0
21) L5 Aroclor-1248 {3}	11.68	16.56	18	27	0.791	1.7
Total Aroclor-1248			127	172	5.880	9.07
Average Aroclor-1248					1.960	3.0
22) L6 Aroclor-1254	13.62	17.94	58	67	0.994	1.0
23) L6 Aroclor-1254 {2}	14.11	18.38	37	38	1.215	1.0
24) L6 Aroclor-1254 {3}	14.50	18.56	30	29	0.943	1.0
25) L6 Aroclor-1254 (4)	14.90	18.88	26	25	0.950	0.8
26) L6 Aroclor-1254 (5)	16.01	20.43	51	35	1.057	0.7
Total Aroclor-1254			201	194	5.159	4.0
Average Aroclor-1254					1.032	0.95
27) L7 Aroclor-1260	17.12	0.00	21	0	0.743	N.D.
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.L.
29) L7 Aroclor-1260 {3}	19.26	0.00	14	0	0.374	N.D.
Total Aroclor-1260			35	0	1.118	N.I.
Average Aroclor-1260					0.559	0.0

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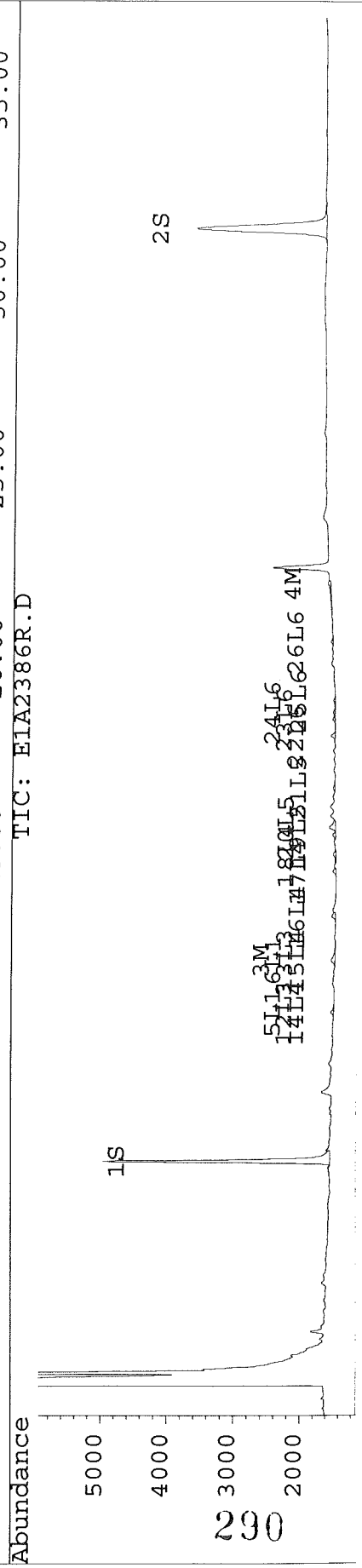
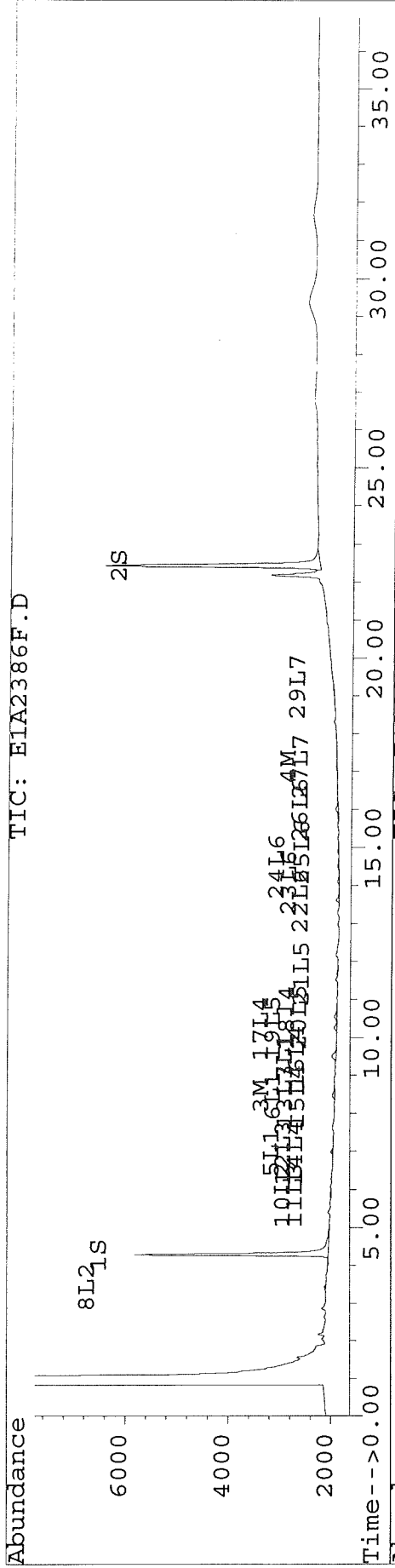
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2386F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2386R.D
Acq On : 18 Sep 97 06:45 PM Operator: JS
Sample : D1414-43,M4-C1,P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2387F.D Vial: 40
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2387F.D\E1A2387R.D
 Acq On : 18 Sep 97 07:26 PM Operator: JS
 Sample : D1414-44,M5-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,20,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3696	3408	17.334	16.99
			Recovery	=	86.67%	84.1
2) S Decachlorobiphenyl	22.43	31.33	4108	1985	16.814m	16.00
			Recovery	=	84.07%	83.1
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	168	181	2.347	2.51
4) M 2,2',3,3',4,4'-Hexa	17.12	21.97	35	41	0.222	0.70
5) L1 Aroclor-1016	6.98	10.66	142	170	5.202	6.18
6) L1 Aroclor-1016 {2}	8.46	12.03	168	181	4.414	6.28
7) L1 Aroclor-1016 {3}	9.52	12.61	183	66	8.453	4.80
Total Aroclor-1016			492	418	18.070	17.5
Average Aroclor-1016					6.023	5.85
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.88	9.14	43	30	2.496	2.01
Total Aroclor-1221			43	30	2.496	2.01
Average Aroclor-1221					2.496	2.01
11) L3 Aroclor-1232	5.88	9.14	43	30	3.234	2.51
12) L3 Aroclor-1232 {2}	6.98	10.66	142	170	11.670	13.1
13) L3 Aroclor-1232 {3}	8.46	12.03	168	181	10.402	14.8
Total Aroclor-1232			353	382	25.305	31.12
Average Aroclor-1232					8.435	10.3
14) L4 Aroclor-1242	6.98	10.66	142	170	3.873	4.7
15) L4 Aroclor-1242 {2}	8.46	12.03	168	181	3.790	4.1
16) L4 Aroclor-1242 {3}	9.52	13.19	183	128	6.421	5.1
17) L4 Aroclor-1242 (4)	10.26	14.37	146	126	6.012	5.5
18) L4 Aroclor-1242 (5)	10.56	14.81	117	94	5.883	6.7
Total Aroclor-1242			755	701	25.980	27.6
Average Aroclor-1242					5.196	5.52
19) L5 Aroclor-1248	10.26	15.34	146	57	6.234	2.1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2387F.D Vial: 40
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2387F.D\E1A2387R.D
 Acq On : 18 Sep 97 07:26 PM Operator: JS
 Sample : D1414-44,M5-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,20,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	117	67	6.005	3.3
21) L5 Aroclor-1248 {3}	11.65	16.57	62	34	2.689	2.2
Total Aroclor-1248			326	158	14.928	8.52
Average Aroclor-1248					4.976	2.84
22) L6 Aroclor-1254	13.62	17.94	79	82	1.348	1.2
23) L6 Aroclor-1254 {2}	14.10	18.38	46	57	1.499	1.6
24) L6 Aroclor-1254 {3}	14.49	18.56	42	48	1.340	1.6
25) L6 Aroclor-1254 (4)	14.89	18.88	47	44	1.742	1.5
26) L6 Aroclor-1254 (5)	16.01	20.43	69	52	1.425	1.1
Total Aroclor-1254			282	282	7.354	7.20
Average Aroclor-1254					1.471	1.44
27) L7 Aroclor-1260	17.12	0.00	35	0	1.258	N.I
28) L7 Aroclor-1260 {2}	18.11	0.00	16	0	0.307	N.I
29) L7 Aroclor-1260 {3}	19.22	24.21	24	29	0.649	1.2
Total Aroclor-1260			75	29	2.214	1.21
Average Aroclor-1260					0.738	1.21

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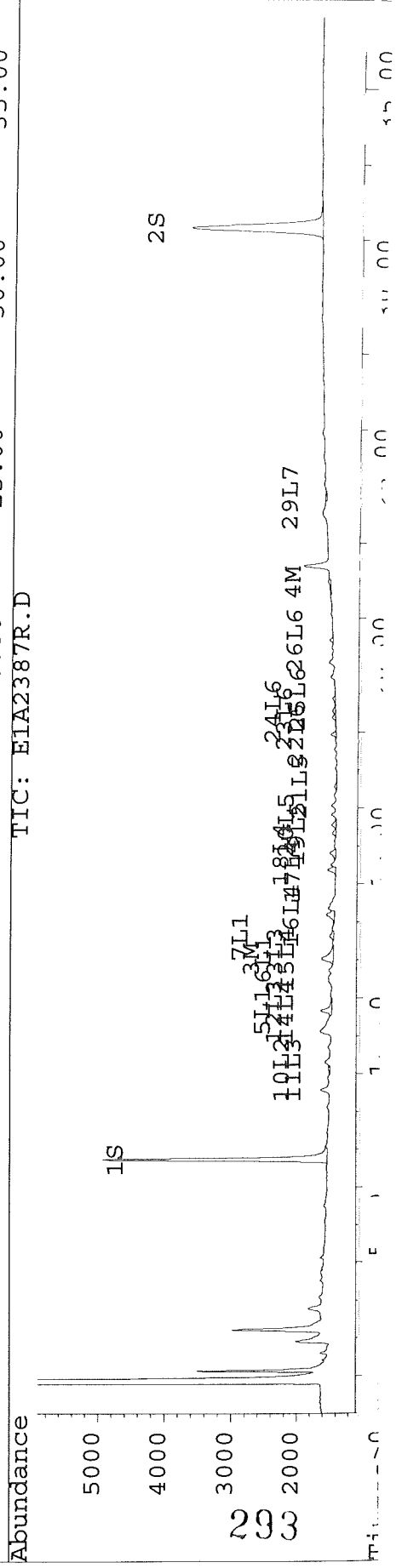
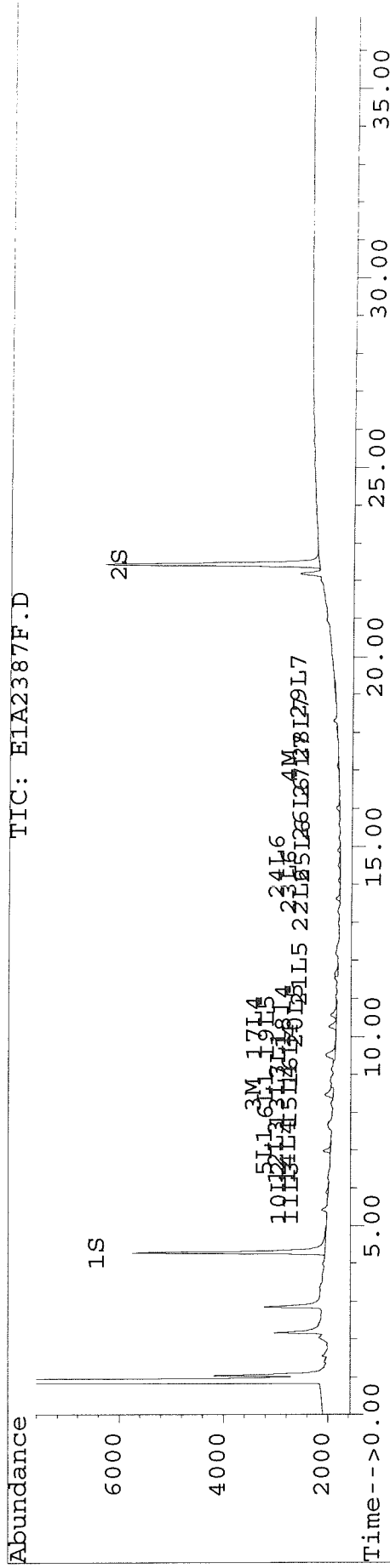
JS 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2387F.D Vial: 40
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2387R.D
 Acq On : 18 Sep 97 07:26 PM Operator: JS
 Sample : D1414-44,M5-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,20,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2393F.D Vial: 46
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2393F.D\E1A2393R.D
 Acq On : 18 Sep 97 11:29 PM Operator: JS
 Sample : D1414-45,M6-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3753	3476	17.603	17.3
			Recovery	=	88.02%	86.6
2) S Decachlorobiphenyl	22.43	31.32	4533	2150	18.555m	18.0
			Recovery	=	92.77%	90.0
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.47	12.03	81	97	1.132	1.3
4) M 2,2',3,3',4,4'-Hexa	17.13	21.97	54	50	0.344	0.3
5) L1 Aroclor-1016	6.98	10.66	98	109	3.601	4.0
6) L1 Aroclor-1016 {2}	8.47	12.03	81	97	2.129	3.3
7) L1 Aroclor-1016 {3}	9.51	12.62	130	30	6.005	2.1
Total Aroclor-1016			309	236	11.735	9.62
Average Aroclor-1016					3.912	3.20
8) L2 Aroclor-1221	3.43	0.00	69	0	8.153	N.I
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.87	0.00	63	0	3.655	N.I
Total Aroclor-1221			133	0	11.807	N.D.
Average Aroclor-1221					5.904	0.00
11) L3 Aroclor-1232	5.87	0.00	63	0	4.735	N.I
12) L3 Aroclor-1232 {2}	6.98	10.66	98	109	8.077	8.7
13) L3 Aroclor-1232 {3}	8.47	12.03	81	97	5.017	7.9
Total Aroclor-1232			242	207	17.829	16.77
Average Aroclor-1232					5.943	8.38
14) L4 Aroclor-1242	6.98	10.66	98	109	2.681	3.0
15) L4 Aroclor-1242 {2}	8.47	12.03	81	97	1.828	2.5
16) L4 Aroclor-1242 {3}	9.51	13.19	130	114	4.561	5.2
17) L4 Aroclor-1242 (4)	10.26	14.37	116	103	4.774	4.4
18) L4 Aroclor-1242 (5)	10.57	14.81	75	81	3.773	5.8
Total Aroclor-1242			500	504	17.616	21.08
Average Aroclor-1242					3.523	4.21
19) L5 Aroclor-1248	10.26	15.33	116	68	4.950	3.4

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2393F.D Vial: 46
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2393F.D\E1A2393R.D
 Acq On : 18 Sep 97 11:29 PM Operator: JS
 Sample : D1414-45,M6-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	75	63	3.851	3.1
21) L5 Aroclor-1248 {3}	11.65	16.57	67	38	2.875	2.5
Total Aroclor-1248			258	169	11.676	9.145
Average Aroclor-1248					3.892	3.04
22) L6 Aroclor-1254	13.63	17.94	125	158	2.127	2.39
23) L6 Aroclor-1254 {2}	14.10	18.39	80	81	2.623	2.29
24) L6 Aroclor-1254 {3}	14.51	18.56	53	87	1.699	3.0
25) L6 Aroclor-1254 (4)	14.90	18.88	80	85	2.965	2.95
26) L6 Aroclor-1254 (5)	16.01	20.43	124	120	2.573	2.68
Total Aroclor-1254			461	530	11.987	13.3
Average Aroclor-1254					2.397	2.67
27) L7 Aroclor-1260	17.13	21.83	54	24	1.948	0.9
28) L7 Aroclor-1260 {2}	18.11	0.00	43	0	0.852	N.I
29) L7 Aroclor-1260 {3}	19.22	24.21	39	42	1.057	1.74
Total Aroclor-1260			137	66	3.857	2.715
Average Aroclor-1260					1.286	1.35

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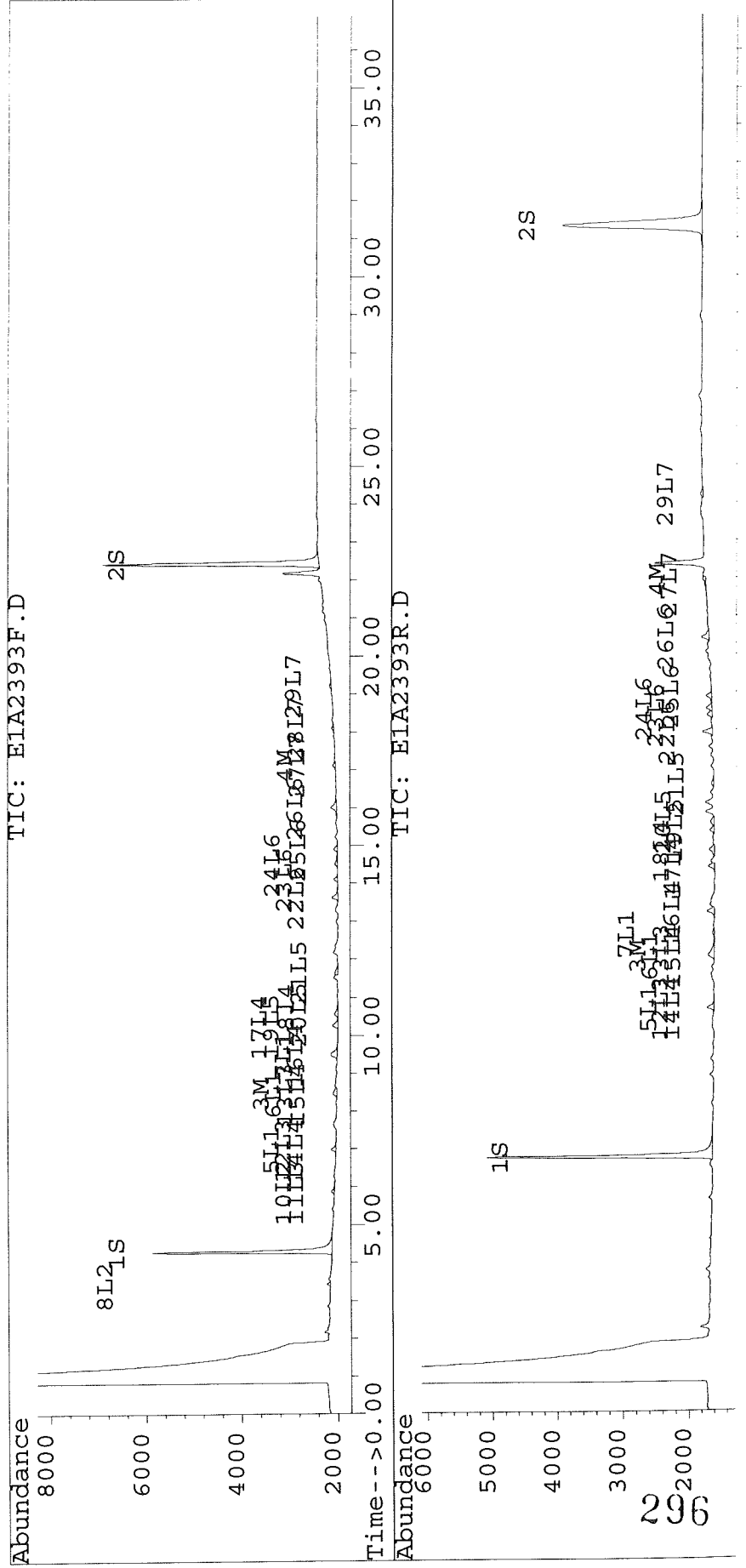
JS 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2393F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2393R.D
Acq On : 18 Sep 97 11:29 PM Operator: JS
Sample : D1414-45,M6-C1,P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2394F.D Vial: 47
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2394F.D\E1A2394R.D
 Acq On : 19 Sep 97 00:09 AM Operator: JS
 Sample : D1414-46,M7-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.0
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.27	6.73	3852	3562	18.065	17.79
			Recovery	=	90.33%	88.20
2) S Decachlorobiphenyl	22.43	31.32	4310	2050	17.641m	17.10
			Recovery	=	88.20%	85.8%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	104	109	1.457	1.50
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	23	49	0.149	0.20
5) L1 Aroclor-1016	6.98	10.66	122	136	4.456	5.08
6) L1 Aroclor-1016 {2}	8.46	12.03	104	109	2.741	3.79
7) L1 Aroclor-1016 {3}	9.50	12.61	128	24	5.934	1.79
Total Aroclor-1016			354	269	13.130	10.67
Average Aroclor-1016					4.377	3.558
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}	6.98	10.66	122	136	9.995	10.00
13) L3 Aroclor-1232 {3}	8.46	12.03	104	109	6.458	8.94
Total Aroclor-1232			226	245	16.453	19.84
Average Aroclor-1232					8.227	9.94
14) L4 Aroclor-1242	6.98	10.66	122	136	3.317	3.79
15) L4 Aroclor-1242 {2}	8.46	12.03	104	109	2.353	2.79
16) L4 Aroclor-1242 {3}	9.50	13.19	128	94	4.507	4.44
17) L4 Aroclor-1242 (4)	10.25	14.36	100	82	4.111	3.57
18) L4 Aroclor-1242 (5)	10.55	14.81	87	57	4.388	4.11
Total Aroclor-1242			541	478	18.677	18.68
Average Aroclor-1242					3.735	3.724
19) L5 Aroclor-1248	10.25	15.34	100	47	4.263	2.79

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2394F.D Vial: 47
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2394F.D\E1A2394R.D
 Acq On : 19 Sep 97 00:09 AM Operator: JS
 Sample : D1414-46,M7-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.51f	87	193	4.479	9.6
21) L5 Aroclor-1248 {3}	11.64	16.56	46	23	2.000	1.5
Total Aroclor-1248			234	262	10.742	13.58
Average Aroclor-1248					3.581	4.52
22) L6 Aroclor-1254	13.62	17.94	68	83	1.165	1.2
23) L6 Aroclor-1254 {2}	14.11	18.38	62	47	2.027	1.3
24) L6 Aroclor-1254 {3}	14.49	18.52f	38	122	1.209	4.2
25) L6 Aroclor-1254 (4)	14.89	18.88	36	30	1.353	1.0
26) L6 Aroclor-1254 (5)	16.00	20.43	53	37	1.087	0.8
Total Aroclor-1254			257	319	6.841	8.74
Average Aroclor-1254					1.368	1.75
27) L7 Aroclor-1260	17.12	0.00	23	0	0.843	N.D
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.22	24.23	22	73	0.581	3.0
Total Aroclor-1260			45	73	1.424	3.05
Average Aroclor-1260					0.712	3.05

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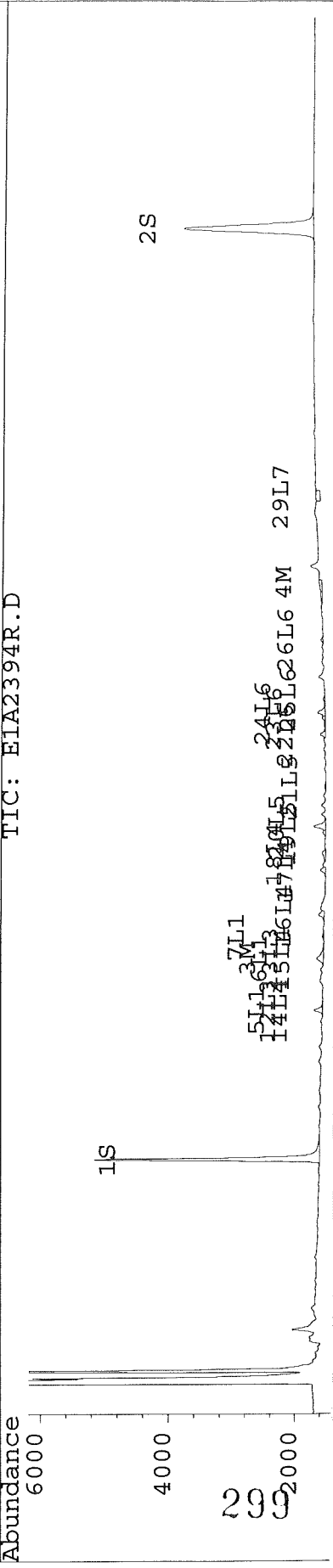
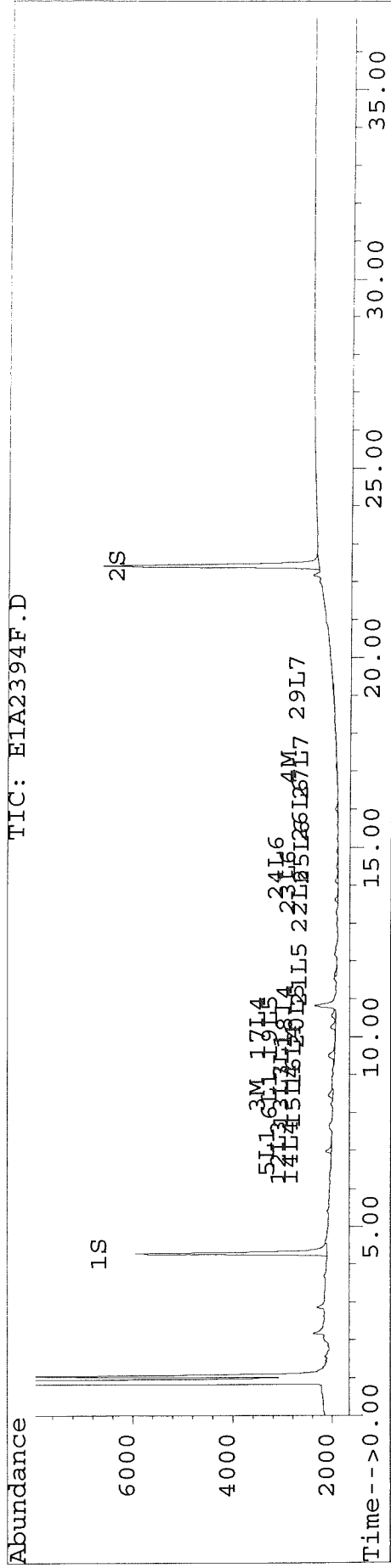
J. J. 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2394F.D Vial: 47
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2394F.D\E1A2394R.D
 Acq On : 19 Sep 97 00:09 AM Operator: JS
 Sample : D1414-46,M7-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E1A2395F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2395F.D\E1A2395R.D
 Acq On : 19 Sep 97 00:50 AM Operator: JS
 Sample : D1414-47,M8-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3422	3078	16.048m	15.3
			Recovery =		80.24%	76.7
2) S Decachlorobiphenyl	22.43	31.33	3787	1825	15.500m	15.2
			Recovery =		77.50%	76.4
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.03	151	146	2.115	2.0
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	163	125	1.039	0.7
5) L1 Aroclor-1016	6.98	10.66	71	76	2.596	2.8
6) L1 Aroclor-1016 {2}	8.45	12.03	151	146	3.978	5.0
7) L1 Aroclor-1016 {3}	9.49	12.62	167	64	7.724	4.6
Total Aroclor-1016			389	286	14.298	12.54
Average Aroclor-1016					4.766	4.18
8) L2 Aroclor-1221	3.43	0.00	91	0	10.676	N.D
9) L2 Aroclor-1221 {2}	0.00	8.34	0	125	N.D.	20.45
10) L2 Aroclor-1221 {3}	5.86	0.00	1697	0	97.796	N.D
Total Aroclor-1221			1787	125	108.472	20.45
Average Aroclor-1221					54.236	20.45
11) L3 Aroclor-1232	5.86	0.00	1697	0	126.705	N.D
12) L3 Aroclor-1232 {2}	6.98	10.66	71	76	5.823	6.1
13) L3 Aroclor-1232 {3}	8.45	12.03	151	146	9.375	11.9
Total Aroclor-1232			1918	222	141.903	18.07
Average Aroclor-1232					47.301	9.03
14) L4 Aroclor-1242	6.98	10.66	71	76	1.933	2.1
15) L4 Aroclor-1242 {2}	8.45	12.03	151	146	3.416	3.7
16) L4 Aroclor-1242 {3}	9.49	13.19	167	142	5.867	6.5
17) L4 Aroclor-1242 (4)	10.25	14.36	158	136	6.503	5.9
18) L4 Aroclor-1242 (5)	10.56	14.82	111	142	5.606	10.1
Total Aroclor-1242			658	642	23.326	28.53
Average Aroclor-1242					4.665	5.70
19) L5 Aroclor-1248	10.25	15.34	158	109	6.743	5.5

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2395F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2395F.D\E1A2395R.D
 Acq On : 19 Sep 97 00:50 AM Operator: JS
 Sample : D1414-47,M8-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.56	111	120	5.722	6.0
21) L5 Aroclor-1248 {3}	11.65	16.55	133	111	5.745	7.2
Total Aroclor-1248			403	340	18.211	18.872
Average Aroclor-1248					6.070	6.29
22) L6 Aroclor-1254	13.62	17.94	321	351	5.470	5.32
23) L6 Aroclor-1254 {2}	14.10	18.37	211	151	6.964	4.27
24) L6 Aroclor-1254 {3}	14.48	18.57	106	226	3.384	7.9
25) L6 Aroclor-1254 (4)	14.89	18.88	188	213	7.017	7.42
26) L6 Aroclor-1254 (5)	16.02	20.44	365	337	7.548	7.56
Total Aroclor-1254			1191	1278	30.383	32.52
Average Aroclor-1254					6.077	6.50
27) L7 Aroclor-1260	17.12	21.83	163	104	5.879	4.2
28) L7 Aroclor-1260 {2}	18.10	0.00	179	0	3.516	N.I
29) L7 Aroclor-1260 {3}	19.21	24.22	147	94	3.933	3.91
Total Aroclor-1260			488	197	13.329	8.13
Average Aroclor-1260					4.443	4.06

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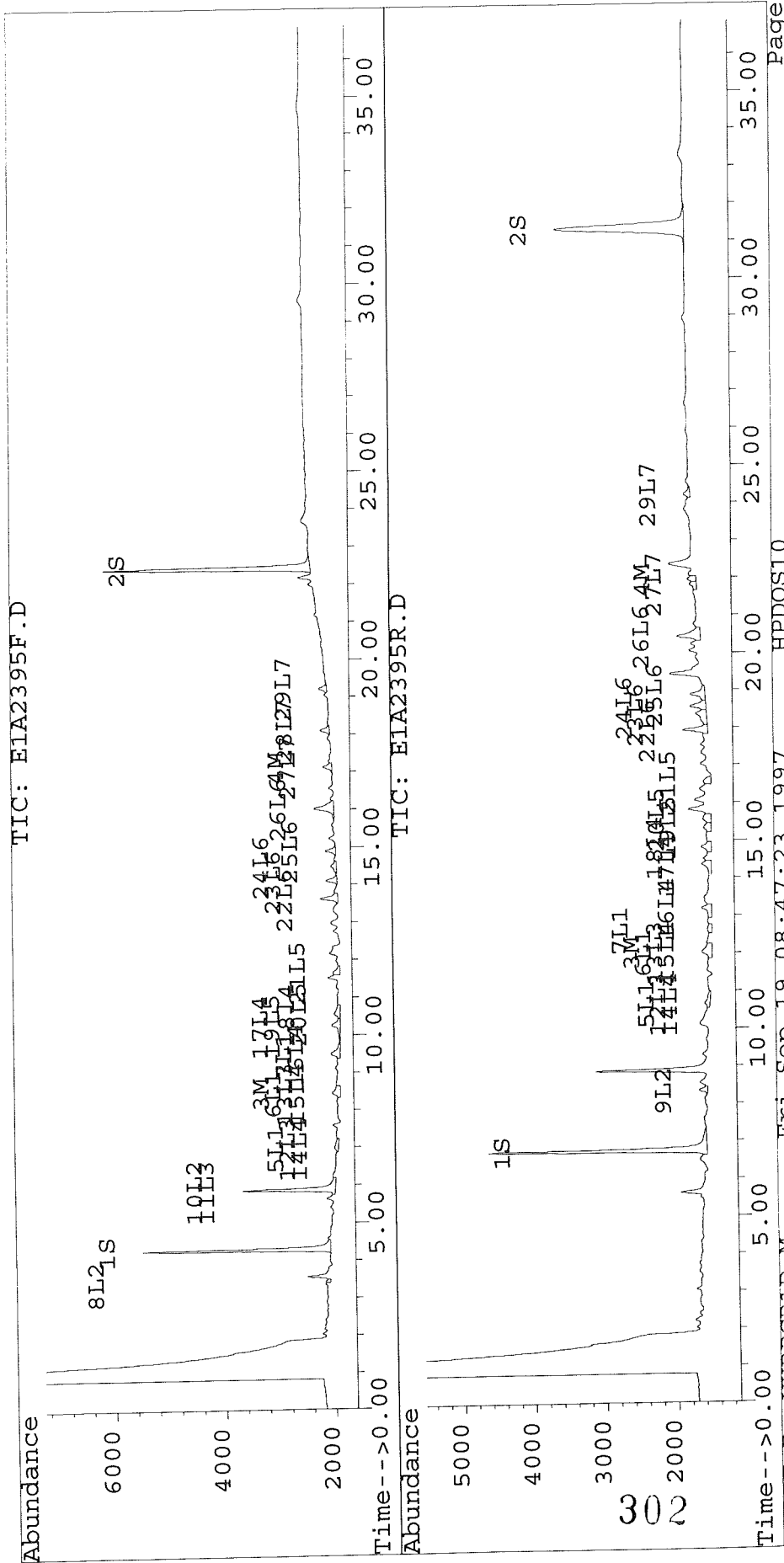
09/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2395F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2395F.D\E1A2395R.D
 Acq On : 19 Sep 97 00:50 AM Operator: JS
 Sample : D1414-47,M8-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,14,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCLD.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D Vial: 49
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D\E1A2396R.D
 Acq On : 19 Sep 97 01:31 AM Operator: JS
 Sample : D1414-48,N1-C1,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.73	3822	3393	17.925	16.91
			Recovery	=	89.63%	84.5
2) S Decachlorobiphenyl	22.43	31.33	4186	1994	17.134	16.7
			Recovery	=	85.67%	83.50
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.03	1035	1068	14.497	15.04
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	140	116	0.892	0.73
5) L1 Aroclor-1016	6.98	10.65	762	751	27.931	28.1
6) L1 Aroclor-1016 {2}	8.45	12.03	1035	1068	27.269	37.00
7) L1 Aroclor-1016 {3}	9.51	12.61	1158	241	53.640	17.55
Total Aroclor-1016			2956	2061	108.841	82.73
Average Aroclor-1016					36.280	27.55
8) L2 Aroclor-1221	3.43	0.00	61	0	7.151	N.D.
9) L2 Aroclor-1221 {2}	0.00	8.34	0	563	N.D.	92.20
10) L2 Aroclor-1221 {3}	5.87	0.00	116	0	6.700	N.D.
Total Aroclor-1221			177	563	13.851	92.205
Average Aroclor-1221					6.925	92.20
11) L3 Aroclor-1232	5.87	0.00	116	0	8.680	N.D.
12) L3 Aroclor-1232 {2}	6.98	10.65	762	751	62.655	60.4
13) L3 Aroclor-1232 {3}	8.45	12.03	1035	1068	64.260	87.5
Total Aroclor-1232			1913	1819	135.595	148.023
Average Aroclor-1232					45.198	74.0
14) L4 Aroclor-1242	6.98	10.65	762	751	20.794	20.86
15) L4 Aroclor-1242 {2}	8.45	12.03	1035	1068	23.414	27.60
16) L4 Aroclor-1242 {3}	9.51	13.18	1158	874	40.745	40.0
17) L4 Aroclor-1242 (4)	10.25	14.36	968	851	39.749	37.18
18) L4 Aroclor-1242 (5)	10.56	14.81	668	704	33.602	50.5
Total Aroclor-1242			4591	4249	158.305	176.4
Average Aroclor-1242					31.661	35.20
19) L5 Aroclor-1248	10.25	15.33	968	508	41.217	25.0

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D Vial: 49
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D\E1A2396R.D
 Acq On : 19 Sep 97 01:31 AM Operator: JS
 Sample : D1414-48,N1-C1,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	668	561	34.297	28.
21) L5 Aroclor-1248 {3}	11.65	16.56	577	345	24.862	22.
Total Aroclor-1248			2212	1414	100.376	76.7
Average Aroclor-1248					33.459	25.5
22) L6 Aroclor-1254	13.62	17.94	494	592	8.438	8.
23) L6 Aroclor-1254 {2}	14.10	18.38	274	333	9.030	9.
24) L6 Aroclor-1254 {3}	14.50	18.56	259	278	8.279	9.
25) L6 Aroclor-1254 (4)	14.89	18.88	236	261	8.783	9.
26) L6 Aroclor-1254 (5)	16.00	20.43	378	351	7.819	7.
Total Aroclor-1254			1642	1816	42.348	45.1
Average Aroclor-1254					8.470	9.0
27) L7 Aroclor-1260	17.12	21.82	140	52	5.051	2.
28) L7 Aroclor-1260 {2}	18.10	0.00	106	0	2.078	N.
29) L7 Aroclor-1260 {3}	19.21	24.21	95	59	2.550	2.
Total Aroclor-1260			340	111	9.679	4.5
Average Aroclor-1260					3.226	2.2

AR1242
~~158.305 x 25~~
~~15.0 x 0.85~~ = 310 $\mu\text{g}/\text{ug}$
 9/19/97

46.745
 39.749
33.602
 $\frac{114.696 \times 25}{15.0 \times 0.85 \times 0.6} = 372$

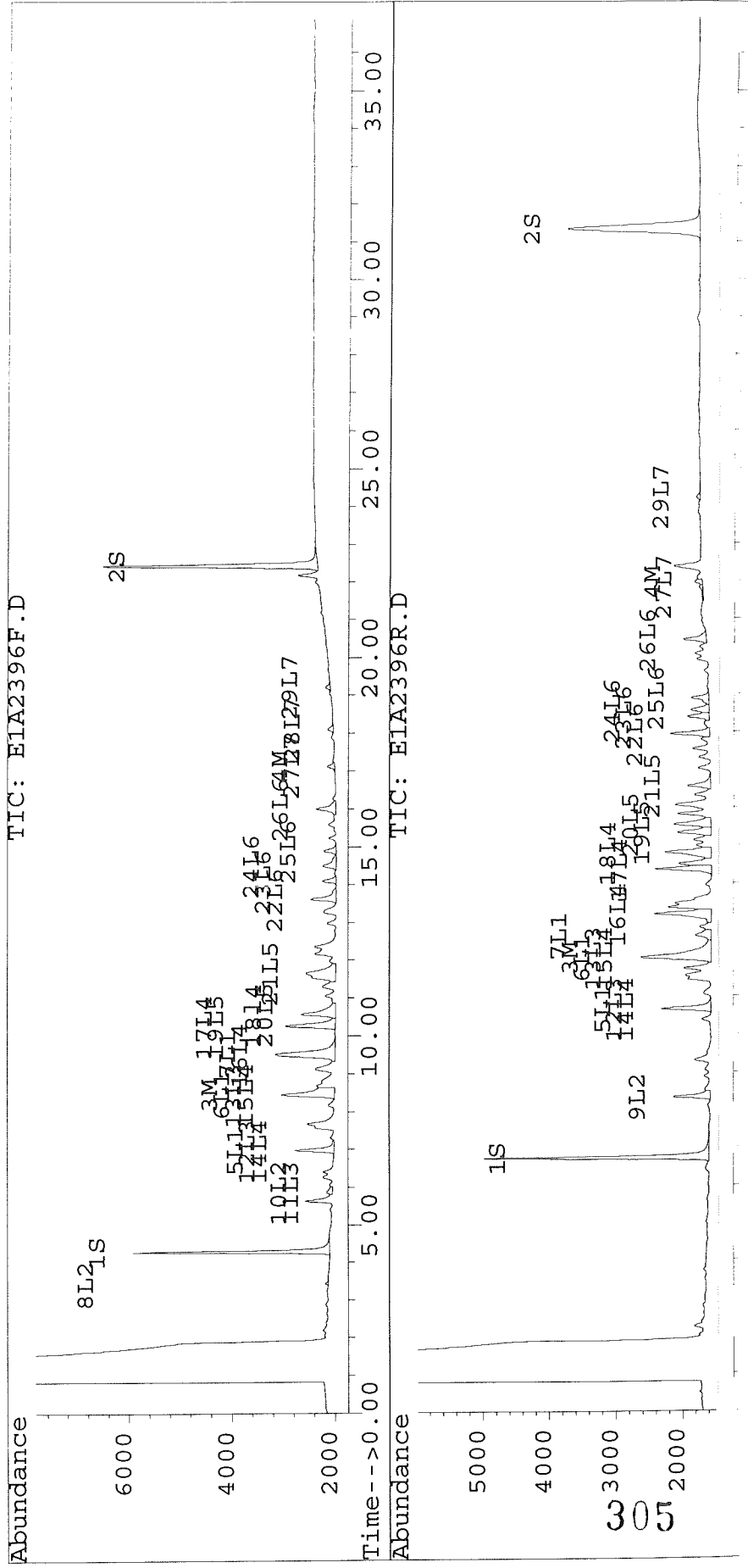
370 $\mu\text{g}/\text{ug}$
 9/19/97
 304
 9/19/97

Quantitation Report

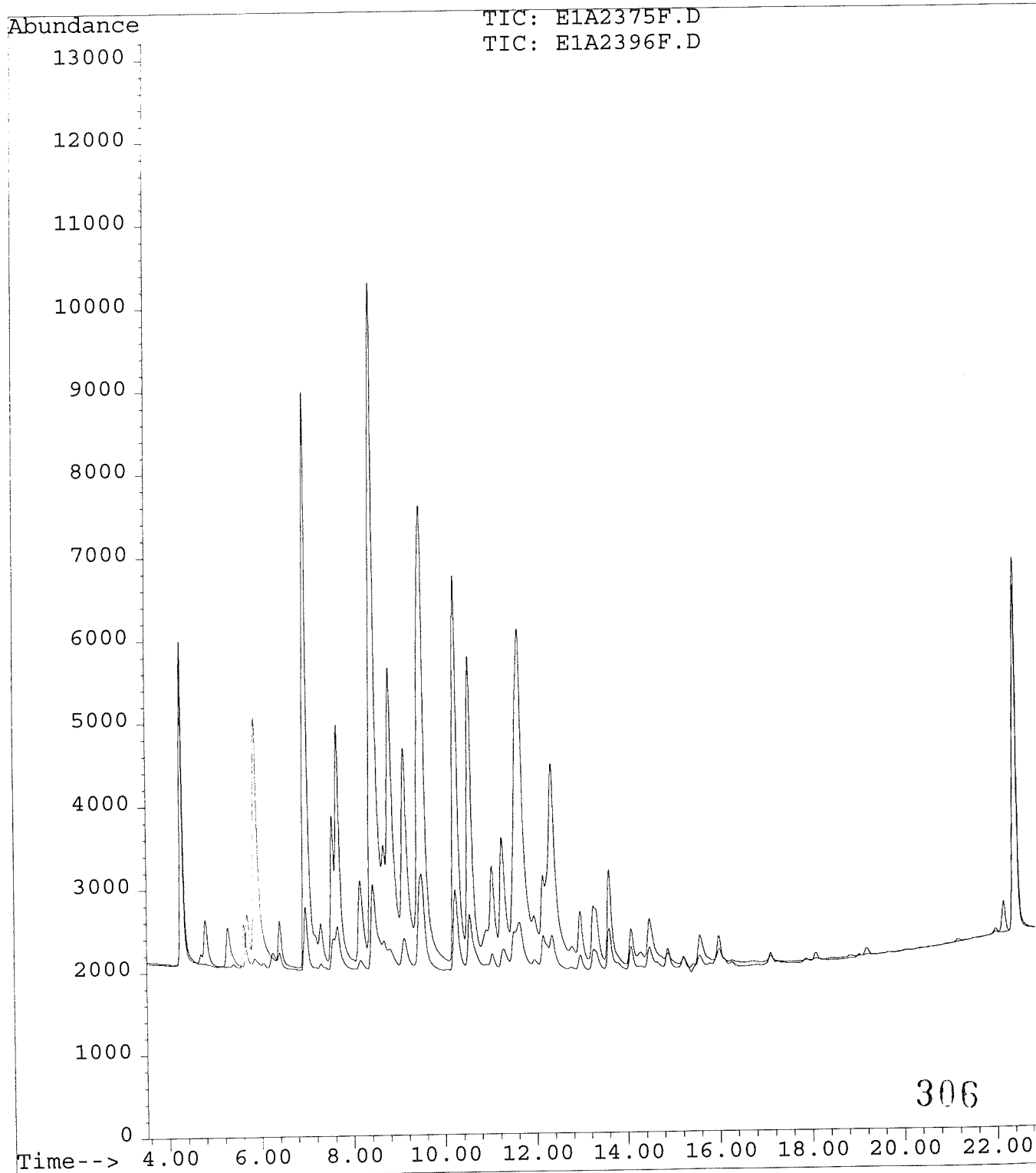
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2396F.D\E1A2396R.D
Acq On : 19 Sep 97 01:31 AM Operator: JS
Sample : D1414-48,N1-C1,P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970917\E1A2375F.D
Operator : JS
Acquired : 18 Sep 97 10:37 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DC,AR1242DC,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 28



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397F.D Vial: 50
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397R.D
 Acq On : 19 Sep 97 02:11 AM Operator: JS
 Sample : D1414-49,Q1-C2,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,12,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.27	6.73	3180	2862	14.915	14.26
			Recovery	=	74.57%	71.13
2) S Decachlorobiphenyl	22.43	31.33	3464	1643	14.178m	13.75
			Recovery	=	70.89%	68.79
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	21.97	0	54	N.D.	0.24
5) L1 Aroclor-1016	0.00	10.68	0	20	N.D.	0.50
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	20	N.D.	0.50
Average Aroclor-1016					0.000	0.50
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	8.34	0	20	N.D.	3.20
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	20	N.D.	3.20
Average Aroclor-1221					0.000	3.20
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	10.68	0	20	N.D.	1.00
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	20	N.D.	1.61
Average Aroclor-1232					0.000	1.61
14) L4 Aroclor-1242	0.00	10.68	0	20	N.D.	0.55
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)	10.27	0.00	32	0	1.304	N.D.
18) L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			32	20	1.304	0.55
Average Aroclor-1242					1.304	0.55
19) L5 Aroclor-1248	10.27	0.00	32	0	1.352	N.D.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397F.D Vial: 50
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397F.D\E1A2397R.D
 Acq On : 19 Sep 97 02:11 AM Operator: JS
 Sample : D1414-49,Q1-C2,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,12,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			32	0	1.352	N.D.
Average Aroclor-1248					1.352	0.00
22) L6 Aroclor-1254	13.62	17.94	11	15	0.188	0.2
23) L6 Aroclor-1254 {2}	14.13	0.00	31	0	1.022	N.I
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			42	15	1.211	0.22
Average Aroclor-1254					0.605	0.22
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	0.00

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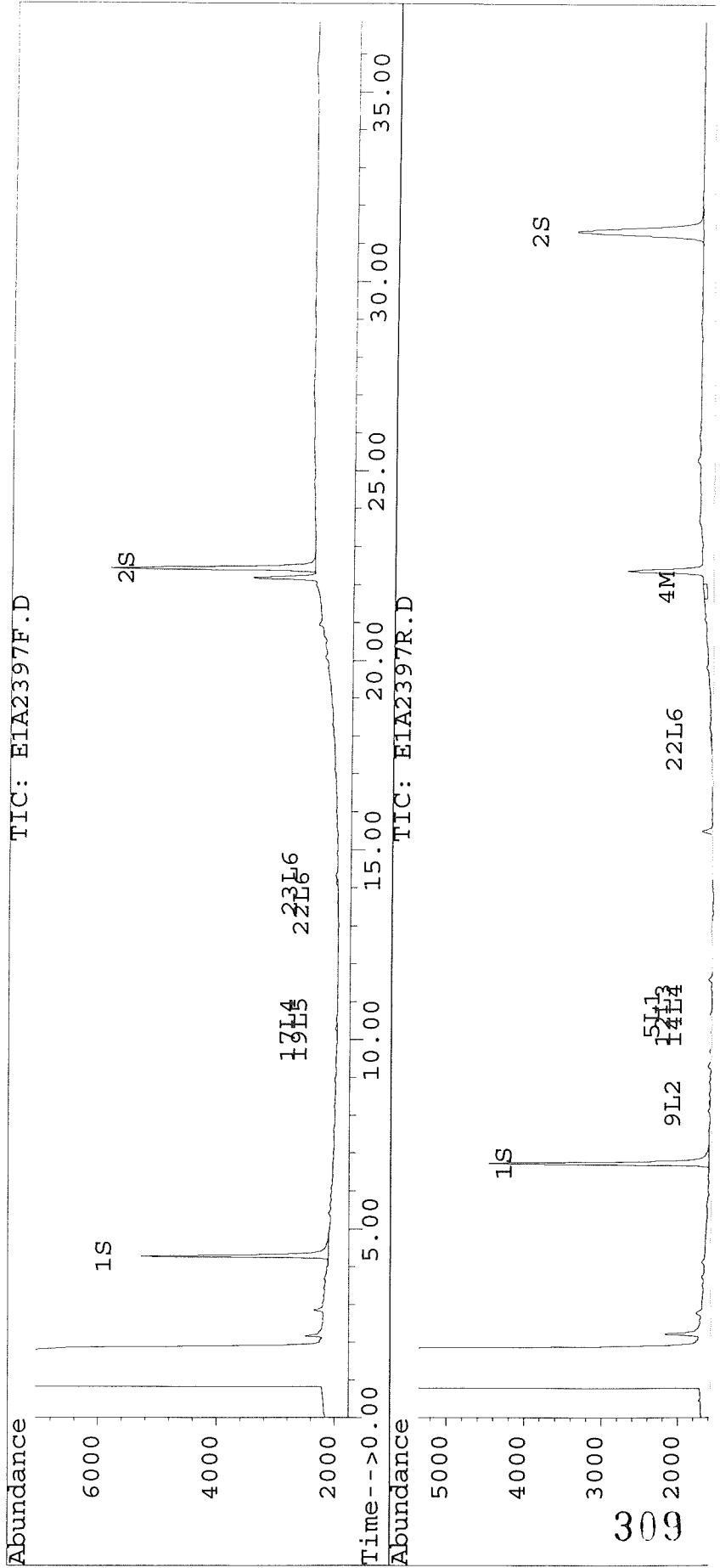
92 9/19/97 308

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2397R.D
Acq On : 19 Sep 97 02:11 AM Operator: JS
Sample : D1414-49,Q1-C2,P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,12,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2398F.D Vial: 51
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2398F.D\E1A2398R.D
 Acq On : 19 Sep 97 02:52 AM Operator: JS
 Sample : D1414-50,R1-C2,P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,16,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3925	3531	18.409	17.6
			Recovery	=	92.05%	88.0
2) S Decachlorobiphenyl	22.43	31.33	4325	2008	17.701	16.8
			Recovery	=	88.51%	84.0
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	578	653	8.099	9.1
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	470	437	3.006	2.7
5) L1 Aroclor-1016	6.98	10.66	221	244	8.094	9.1
6) L1 Aroclor-1016 {2}	8.46	12.03	578	653	15.235	22.6
7) L1 Aroclor-1016 {3}	9.49	12.60	1106	164	51.217	11.9
Total Aroclor-1016			1905	1061	74.547	43.72
Average Aroclor-1016					24.849	14.57
8) L2 Aroclor-1221	3.43	0.00	38	0	4.504	N.I
9) L2 Aroclor-1221 {2}	0.00	8.34	0	22	N.D.	3.57
10) L2 Aroclor-1221 {3}	5.87	0.00	70	0	4.049	N.I
Total Aroclor-1221			109	22	8.552	3.57
Average Aroclor-1221					4.276	3.57
11) L3 Aroclor-1232	5.87	0.00	70	0	5.245	N.I
12) L3 Aroclor-1232 {2}	6.98	10.66	221	244	18.157	19.6
13) L3 Aroclor-1232 {3}	8.46	12.03	578	653	35.901	53.5
Total Aroclor-1232			869	897	59.303	73.17
Average Aroclor-1232					19.768	36.59
14) L4 Aroclor-1242	6.98	10.66	221	244	6.026	6.7
15) L4 Aroclor-1242 {2}	8.46	12.03	578	653	13.081	16.8
16) L4 Aroclor-1242 {3}	9.49	13.19	1106	967	38.905	44.5
17) L4 Aroclor-1242 (4)	10.26	14.36	889	809	36.515	35.3
18) L4 Aroclor-1242 (5)	10.57	14.81	528	699	26.596	50.1
Total Aroclor-1242			3323	3372	121.123	153.69
Average Aroclor-1242					24.225	30.73
19) L5 Aroclor-1248	10.26	15.33	889	618	37.863	31.5

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2398F.D Vial: 51
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2398F.D\E1A2398R.D
 Acq On : 19 Sep 97 02:52 AM Operator: JS
 Sample : D1414-50,R1-C2,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,17-SEP-97,11-SEP-9 Multiplr: 1.0
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	528	504	27.146	25.34
21) L5 Aroclor-1248 {3}	11.64	16.56	737	312	31.761	20.44
Total Aroclor-1248			2154	1434	96.770	77.304
Average Aroclor-1248					32.257	25.58
22) L6 Aroclor-1254	13.62	17.94	1644	1944	28.049	29.50
23) L6 Aroclor-1254 {2}	14.10	18.38	965	1053	31.800	29.33
24) L6 Aroclor-1254 {3}	14.49	18.56	822	993	26.251	34.33
25) L6 Aroclor-1254 (4)	14.89	18.88	885	973	32.964	33.88
26) L6 Aroclor-1254 (5)	16.01	20.43	1452	1433	30.029	32.22
Total Aroclor-1254			5768	6396	149.093	160.55
Average Aroclor-1254					29.819	32.05
27) L7 Aroclor-1260	17.13	21.83	470	149	17.013	6.00
28) L7 Aroclor-1260 {2}	18.11	0.00	291	0	5.727	N.D.
29) L7 Aroclor-1260 {3}	19.22	24.22	232	172	6.219	7.18
Total Aroclor-1260			993	320	28.960	13.18
Average Aroclor-1260					9.653	6.00

AR 1254

$$\frac{149.093 \times 25}{15 \times 0.84} = 295$$

300 µg/dg

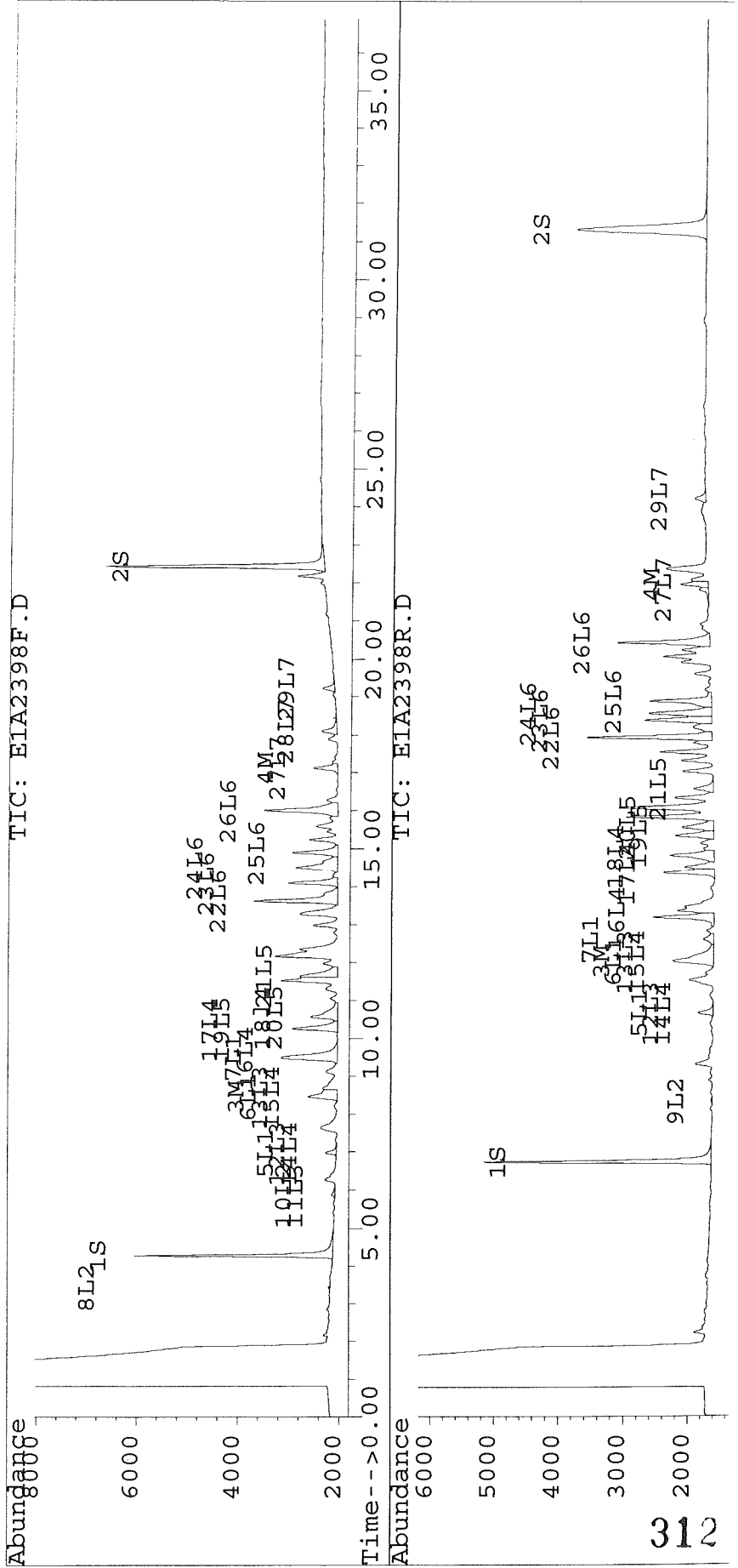
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Quantitation Report

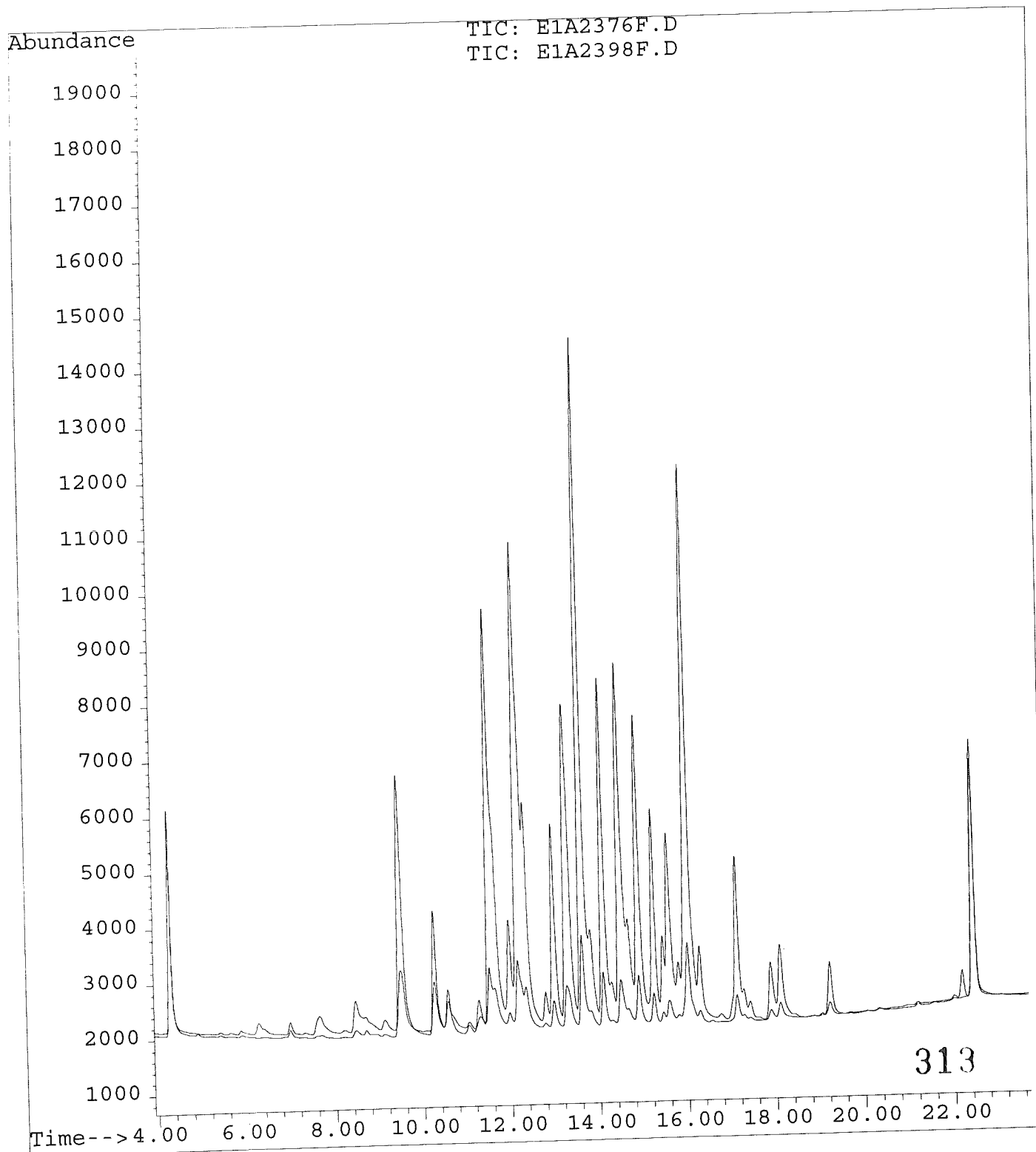
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2398F.D Vial: 51
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2398R.D
 Acq On : 19 Sep 97 02:52 AM Operator: JS
 Sample : D1414-50,R1-C2,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,16,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D
Operator : JS
Acquired : 18 Sep 97 11:17 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DC,AR1254DC,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 29



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D Vial: 52
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D\E1A2399R.D
 Acq On : 19 Sep 97 03:32 AM Operator: JS
 Sample : D1414-51, V₃-C2, P0917-B1 Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	2731	2505	12.808	12.4
			Recovery	=	64.04%	62.4
2) S Decachlorobiphenyl	22.44	31.33	3141	1481	12.857	12.3
			Recovery	=	64.29%	62.0
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	17.13	21.96	76	89	0.488	0.5
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}	9.48f	0.00	74	0	3.421	N.D.
Total Aroclor-1016			74	0	3.421	N.D.
Average Aroclor-1016					3.421	0.00
8) L2 Aroclor-1221	3.43	0.00	34	0	4.053	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			34	0	4.053	N.D.
Average Aroclor-1221					4.053	0.00
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	0.00
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}	9.48f	13.19	74	76	2.599	3.5
17) L4 Aroclor-1242 (4)	10.26	14.37	31	32	1.257	1.3
18) L4 Aroclor-1242 (5)	10.55	14.82	17	12	0.874	0.8
Total Aroclor-1242			122	120	4.730	5.74
Average Aroclor-1242					1.577	1.95
19) L5 Aroclor-1248	10.26	15.34	31	34	1.304	1.5

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D Vial: 52
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D\E1A2399R.D
 Acq On : 19 Sep 97 3:03:32 AM ^{KOS} Operator: JS
 Sample : D1414-51, V~~1~~³-C2, P0917-B1 Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.54	17	18	0.892	0.896
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	M.D.	N.D.
Total Aroclor-1248			48	51	2.196	2.607
Average Aroclor-1248					1.098	1.304
22) L6 Aroclor-1254	13.63	17.94	241	299	4.118	4.532
23) L6 Aroclor-1254 {2}	14.10	18.39	155	124	5.107	3.509 #
24) L6 Aroclor-1254 {3}	14.51	18.57	80	169	2.553	5.913 #
25) L6 Aroclor-1254 (4)	14.90	18.88	130	155	4.831	5.386
26) L6 Aroclor-1254 (5)	16.01	20.43	216	220	4.476	4.937
Total Aroclor-1254			822	965	21.086	24.277
Average Aroclor-1254					4.217	4.855
27) L7 Aroclor-1260	17.13	21.83	76	40	2.764	1.629 #
28) L7 Aroclor-1260 {2}	18.11	0.00	43	0	0.856	N.D. #
29) L7 Aroclor-1260 {3}	19.22	24.22	37	34	0.985	1.431 #
Total Aroclor-1260			157	74	4.605	3.060
Average Aroclor-1260					1.535	1.530

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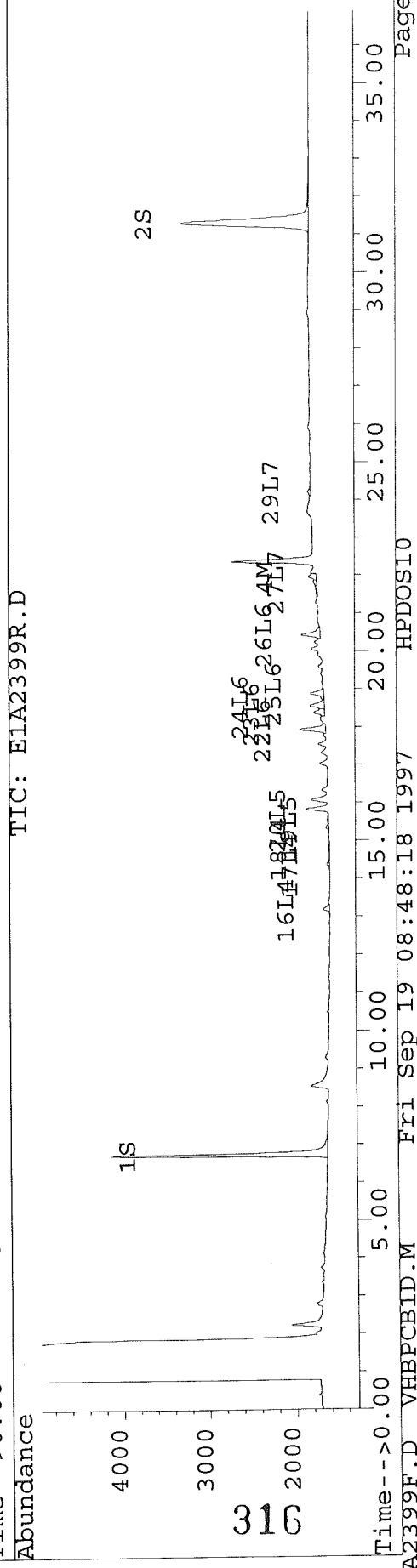
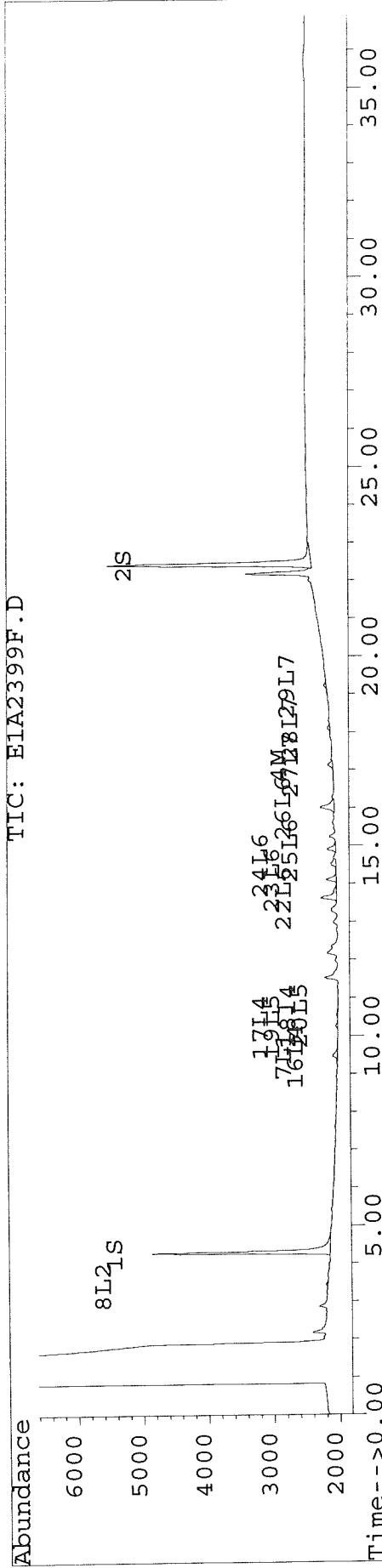
315

JS 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D Vial: 52
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2399F.D\E1A2399R.D
 Acq On : 19 Sep 97 03:32 AM Operator: JS
 Sample : D1414-51, V#-C2, P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E1A2400F.D Vial: 53
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2400F.D\E1A2400R.D
 Acq On : 19 Sep 97 04:13 AM Operator: JS
 Sample : D1414-52,I9-C1(D),P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	2233	2024	10.473	10.092
			Recovery	=	52.37%	50.46%
2) S Decachlorobiphenyl	22.43	31.33	2553	1204	10.448	10.085
			Recovery	=	52.24%	50.43%
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	10.68	0	25	N.D.	0.924 #
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	25	N.D.	0.924
Average Aroclor-1016					0.000	0.924
8) L2 Aroclor-1221	3.43	0.00	46	0	5.371	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			46	0	5.371	N.D.
Average Aroclor-1221					5.371	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	10.68	0	25	N.D.	1.982 #
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	25	N.D.	1.982
Average Aroclor-1232					0.000	1.982
14) L4 Aroclor-1242	0.00	10.68	0	25	N.D.	0.684 #
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)	10.53f	0.00	36	0	1.807	N.D. #
Total Aroclor-1242			36	25	1.807	0.684
Average Aroclor-1242					1.807	0.684
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2400F.D Vial: 53
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2400F.D\E1A2400R.D
 Acq On : 19 Sep 97 04:13 AM Operator: JS
 Sample : D1414-52, I9-C1(D), P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.53f	0.00	36	0	1.845	N.D.
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			36	0	1.845	N.D.
Average Aroclor-1248					1.845	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

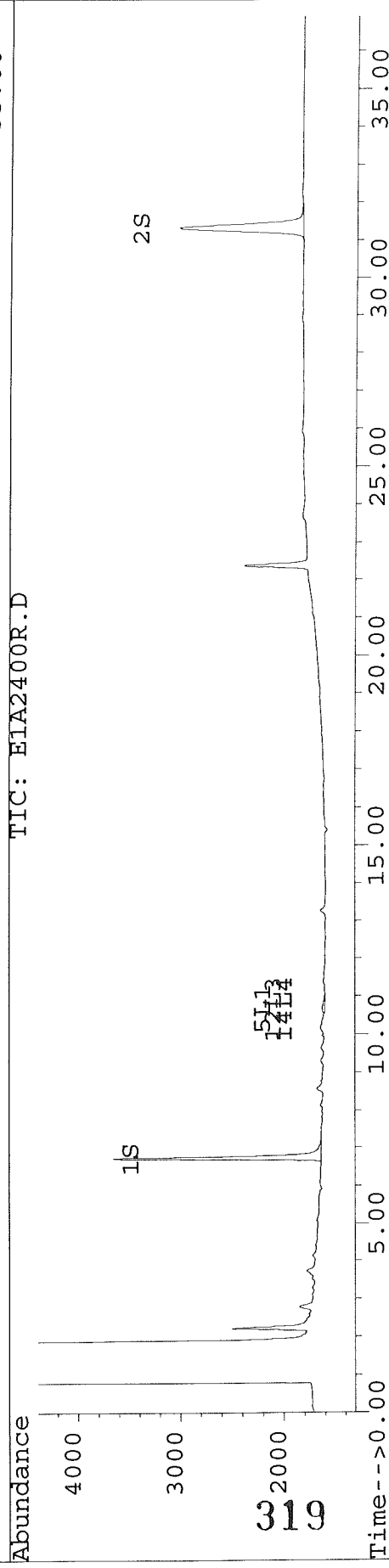
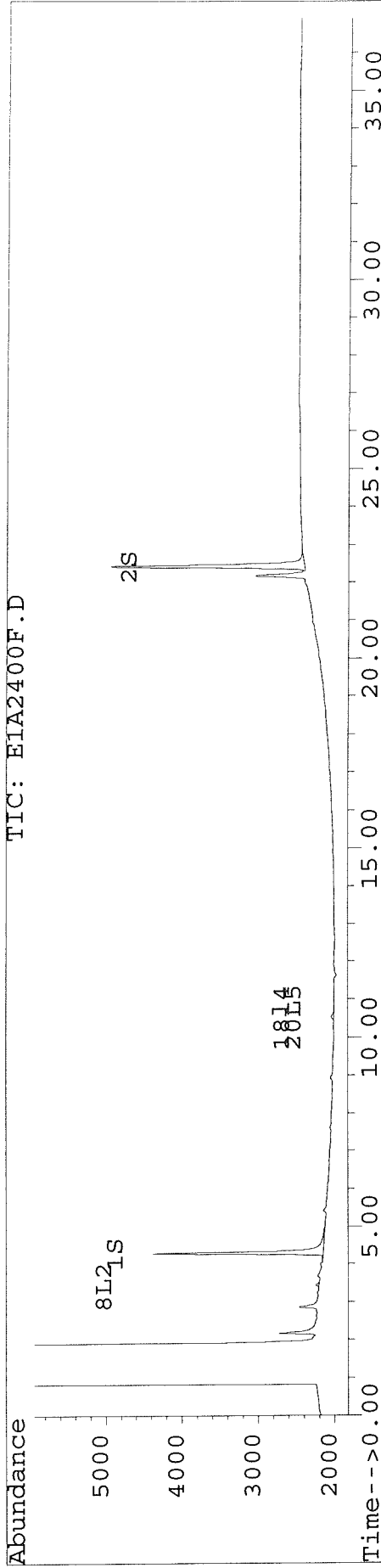
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2400F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2400F.D\E1A2400R.D
Acq On : 19 Sep 97 04:13 AM Operator: JS
Sample : D1414-52, I9-C1(D), P0917-B1 Inst : E1
Misc : 0,,2,,25000,,15.0,13,17-SEP-97,11-SEP-9 Multiplr: 1.00
Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2401F.D Vial: 54
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2401F.D\E1A2401R.D
 Acq On : 19 Sep 97 04:53 AM Operator: JS
 Sample : D1414-53,L2-C1(D),P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3378	3062	15.847	15.26
			Recovery	=	79.24%	76.33
2) S Decachlorobiphenyl	22.44	31.33	3769	1784	15.427	14.94
			Recovery	=	77.13%	74.72
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.03	775	867	10.849	12.21
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	253	218	1.619	1.38
5) L1 Aroclor-1016	6.98	10.66	325	363	11.930	13.60
6) L1 Aroclor-1016 {2}	8.46	12.03	775	867	20.408	30.00
7) L1 Aroclor-1016 {3}	9.51	12.61	1089	180	50.407	13.10
Total Aroclor-1016			2189	1410	82.745	56.74
Average Aroclor-1016					27.582	18.91
8) L2 Aroclor-1221	3.43	0.00	33	0	3.887	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.90	9.13	37	64	2.134	4.3
Total Aroclor-1221			70	64	6.021	4.33
Average Aroclor-1221					3.010	4.33
11) L3 Aroclor-1232	5.90	9.13	37	64	2.765	5.3
12) L3 Aroclor-1232 {2}	6.98	10.66	325	363	26.762	29.1
13) L3 Aroclor-1232 {3}	8.46	12.03	775	867	48.091	71.0
Total Aroclor-1232			1137	1294	77.617	105.67
Average Aroclor-1232					25.872	35.22
14) L4 Aroclor-1242	6.98	10.66	325	363	8.882	10.0
15) L4 Aroclor-1242 {2}	8.46	12.03	775	867	17.522	22.4
16) L4 Aroclor-1242 {3}	9.51	13.19	1089	886	38.289	40.7
17) L4 Aroclor-1242 (4)	10.26	14.37	888	821	36.496	35.8
18) L4 Aroclor-1242 (5)	10.57	14.81	619	680	31.161	48.8
Total Aroclor-1242			3696	3617	132.351	158.02
Average Aroclor-1242					26.470	31.60
19) L5 Aroclor-1248	10.26	15.34	888	558	37.843	28.4

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2401F.D Vial: 54
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2401F.D\E1A2401R.D
 Acq On : 19 Sep 97 04:53 AM Operator: JS
 Sample : D1414-53,L2-C1(D),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	619	572	31.806	28.77
21) L5 Aroclor-1248 {3}	11.65	16.57	618	362	26.621	23.708
Total Aroclor-1248			2125	1492	96.270	80.943
Average Aroclor-1248					32.090	26.98
22) L6 Aroclor-1254	13.62	17.94	892	1033	15.228	15.669
23) L6 Aroclor-1254 {2}	14.10	18.39	471	568	15.518	16.07
24) L6 Aroclor-1254 {3}	14.51	18.56	398	508	12.714	17.80
25) L6 Aroclor-1254 (4)	14.89	18.88	444	494	16.537	17.208
26) L6 Aroclor-1254 (5)	16.01	20.45	699	1335	14.454	30.01
Total Aroclor-1254			2904	3938	74.450	96.79
Average Aroclor-1254					14.890	19.359
27) L7 Aroclor-1260	17.13	21.83	253	81	9.162	3.11
28) L7 Aroclor-1260 {2}	18.11	0.00	176	0	3.458	N.L.
29) L7 Aroclor-1260 {3}	19.22	24.22	159	117	4.256	4.90
Total Aroclor-1260			588	199	16.876	8.21
Average Aroclor-1260					5.625	4.11

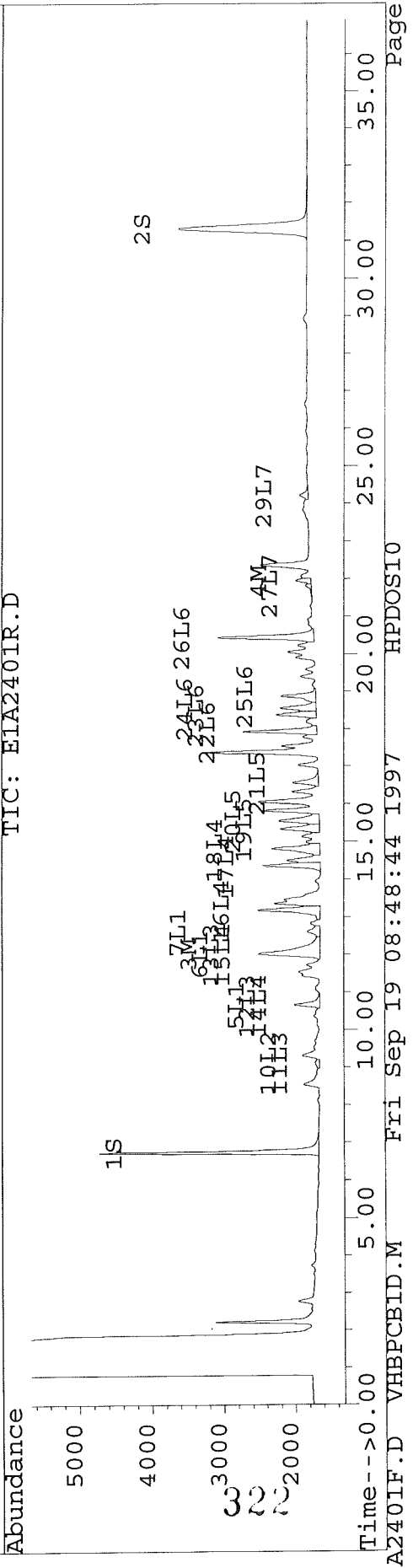
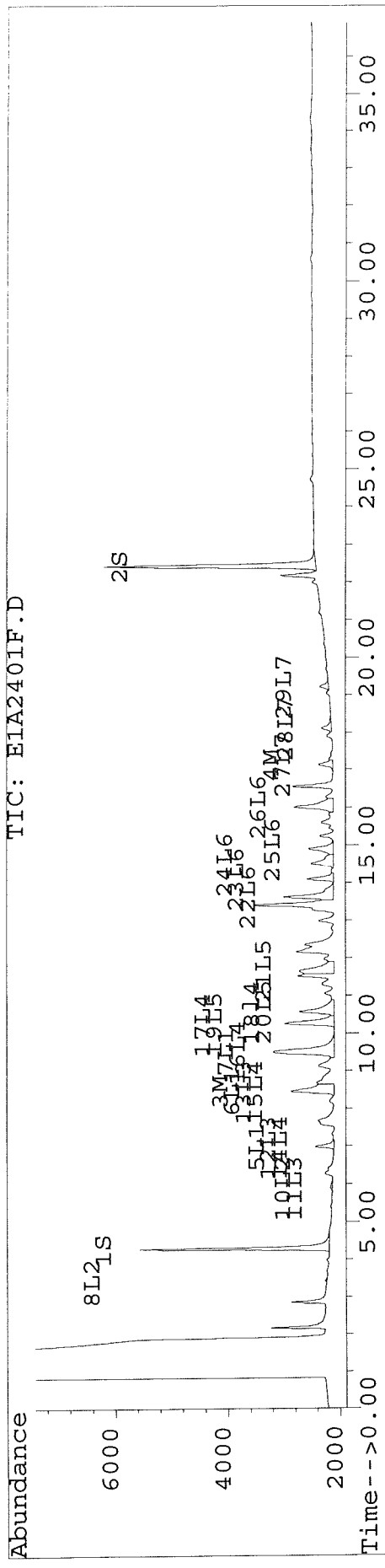
AR 1242 ratios are not good and the second is missing but major peak of AR 1242

JS 9/19/97

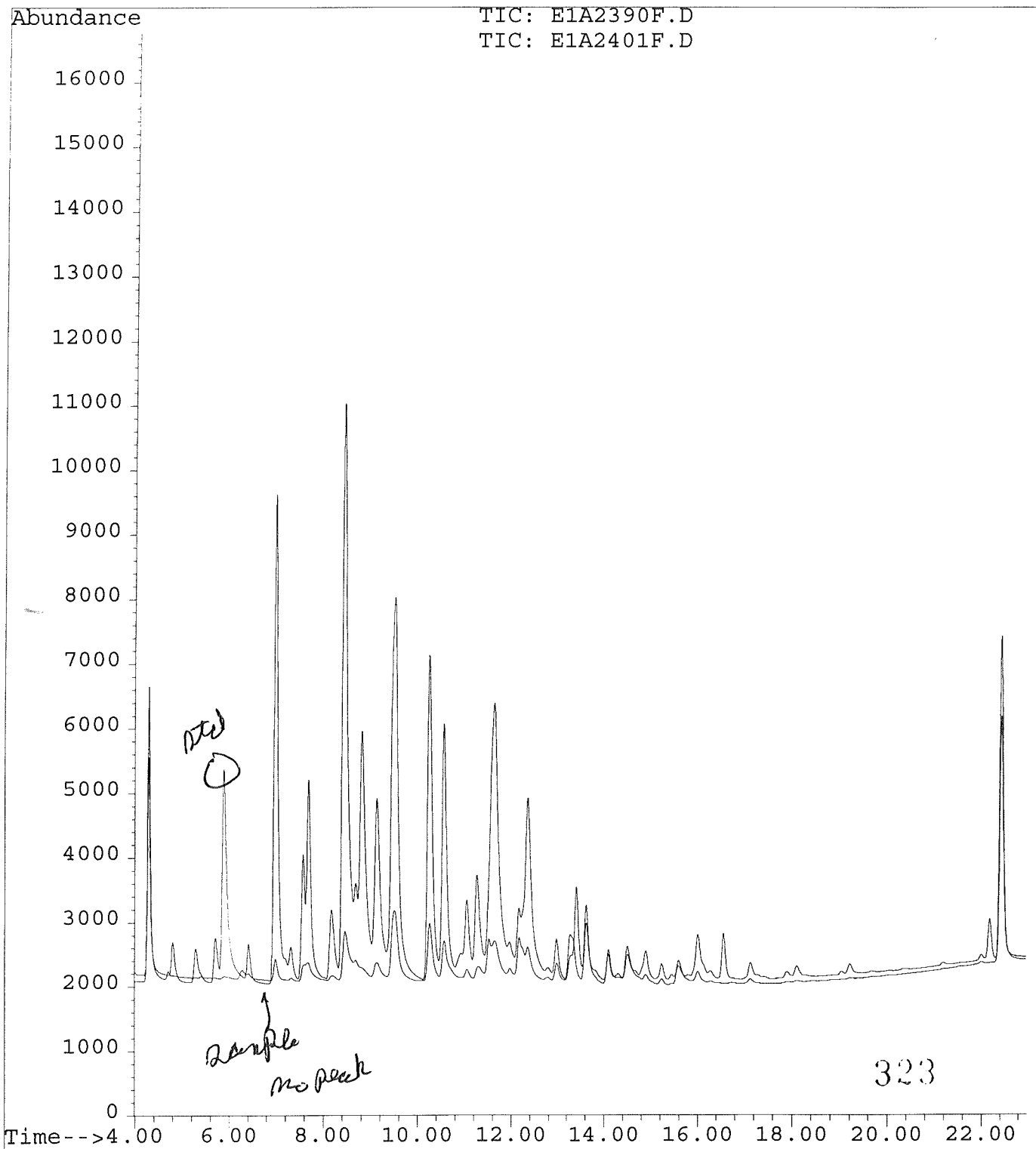
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2401F.D Vial: 54
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2401F.D\E1A2401R.D
 Acq On : 19 Sep 97 04:53 AM Operator: JS
 Sample : D1414-53,L2-C1(D),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,15,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

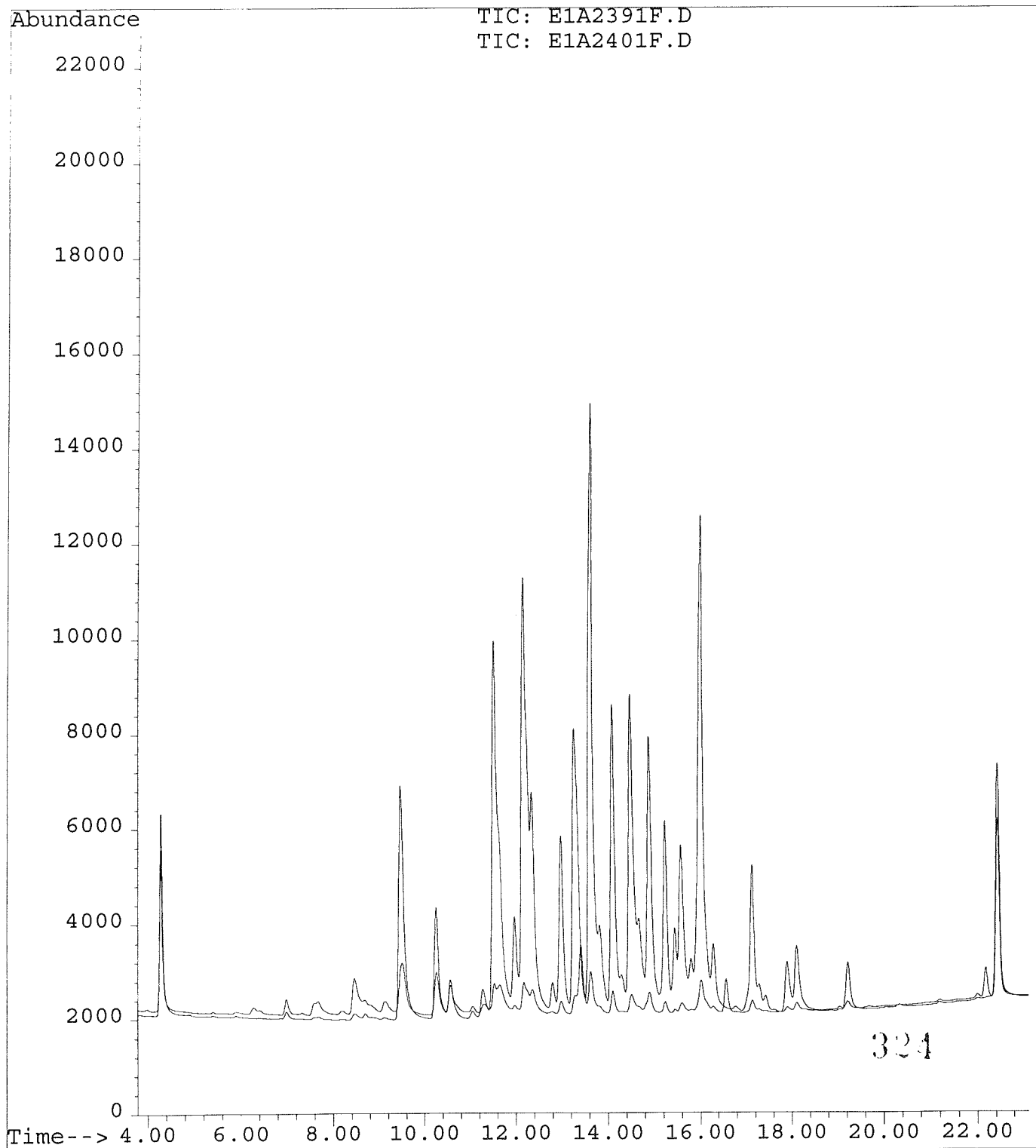
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701
 Signal #1 Info : 0.53 MM
 Signal #2 Phase : DB-608
 Signal #2 Info : 0.53 MM



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D
Operator : JS
Acquired : 18 Sep 97 09:27 PM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DD,AR1242DD,,AR1242.SUB
Misc Info : 2,,1
Vial Number: 43



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D
Operator : JS
Acquired : 18 Sep 97 10:08 PM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DD,AR1254DD,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 44



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402F.D Vial: 55
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402F.D\E1A2402R.D
 Acq On : 19 Sep 97 05:34 AM Operator: JS
 Sample : D1414-54,H4-C1(D),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3776	3495	17.709	17.420
			Recovery	=	88.55%	87.10%
2) S Decachlorobiphenyl	22.44	31.33	4342	2034	17.773m	17.038
			Recovery	=	88.86%	85.19%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.47	12.02	22	29	0.311	0.402 #
4) M 2,2',3,3',4,4'-Hexa	17.13	21.98	17	35	0.111	0.224 #
5) L1 Aroclor-1016	6.98	10.66	290	299	10.634	11.211
6) L1 Aroclor-1016 {2}	8.47	12.02	22	29	0.586	0.988 #
7) L1 Aroclor-1016 {3}	9.49f	0.00	62	0	2.851	N.D. #
Total Aroclor-1016			374	327	14.071	12.199
Average Aroclor-1016					4.690	6.100
8) L2 Aroclor-1221	3.43	0.00	38	0	4.420	N.D. #
9) L2 Aroclor-1221 {2}	0.00	8.34	0	26	N.D.	4.259 #
10) L2 Aroclor-1221 {3}	5.88	9.14	56	26	3.202	1.793 #
Total Aroclor-1221			93	52	7.621	6.052
Average Aroclor-1221					3.811	3.026
11) L3 Aroclor-1232	5.88	9.14	56	26	4.148	2.228 #
12) L3 Aroclor-1232 {2}	6.98	10.66	290	299	23.855	24.057
13) L3 Aroclor-1232 {3}	8.47	12.02	22	29	1.381	2.339 #
Total Aroclor-1232			368	354	29.384	28.624
Average Aroclor-1232					9.795	9.541
14) L4 Aroclor-1242	6.98	10.66	290	299	7.917	8.304
15) L4 Aroclor-1242 {2}	8.47	12.02	22	29	0.503	0.738 #
16) L4 Aroclor-1242 {3}	9.49	13.20	62	44	2.165	2.045
17) L4 Aroclor-1242 (4)	10.26	14.37	37	43	1.517	1.870
18) L4 Aroclor-1242 (5)	10.54	0.00	42	0	2.136	N.D. #
Total Aroclor-1242			453	415	14.239	12.956
Average Aroclor-1242					2.848	3.239
19) L5 Aroclor-1248	10.26	0.00	37	0	1.573	N.D. #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402F.D Vial: 55
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402F.D\E1A2402R.D
 Acq On : 19 Sep 97 05:34 AM Operator: JS
 Sample : D1414-54,H4-C1(D),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00
 Quant Time: Sep 19 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.54	15.54	42	19	2.180	0.977 #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			79	19	3.753	0.977
Average Aroclor-1248					1.877	0.977
22) L6 Aroclor-1254	0.00	17.94	0	23	N.D.	0.349 #
23) L6 Aroclor-1254 {2}	0.00	18.38	0	17	N.D.	0.487 #
24) L6 Aroclor-1254 {3}	0.00	18.57	0	17	N.D.	0.593 #
25) L6 Aroclor-1254 (4)	14.91	0.00	44	0	1.650	N.D. #
26) L6 Aroclor-1254 (5)	16.01	20.45	38	17	0.788	0.384 #
Total Aroclor-1254			82	74	2.438	1.813
Average Aroclor-1254					1.219	0.453
27) L7 Aroclor-1260	17.13	0.00	17	0	0.628	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	19.24	24.20	24	13	0.643	0.542
Total Aroclor-1260			41	13	1.271	0.542
Average Aroclor-1260					0.635	0.542

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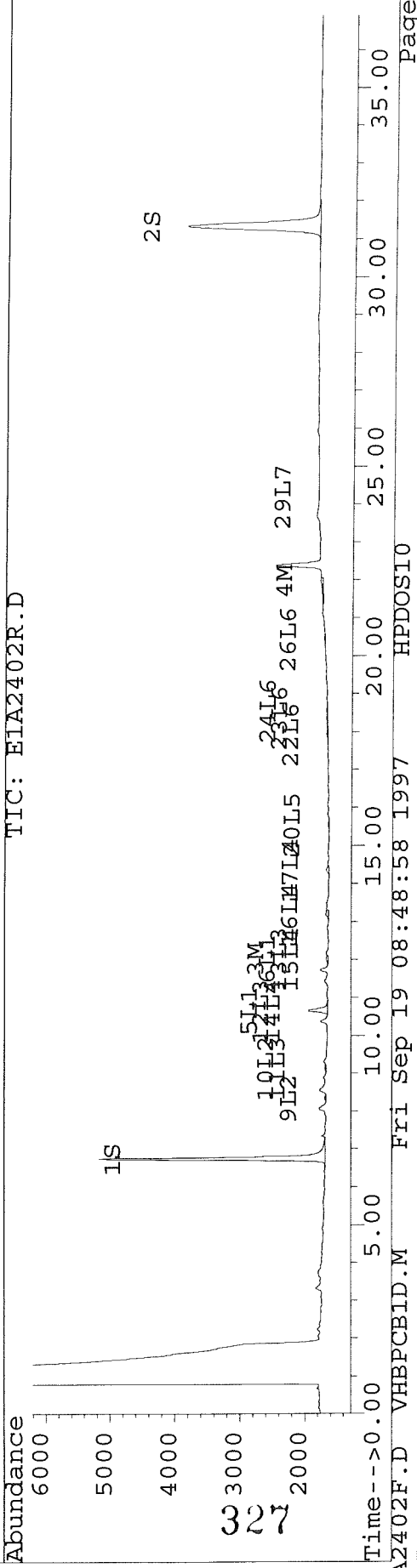
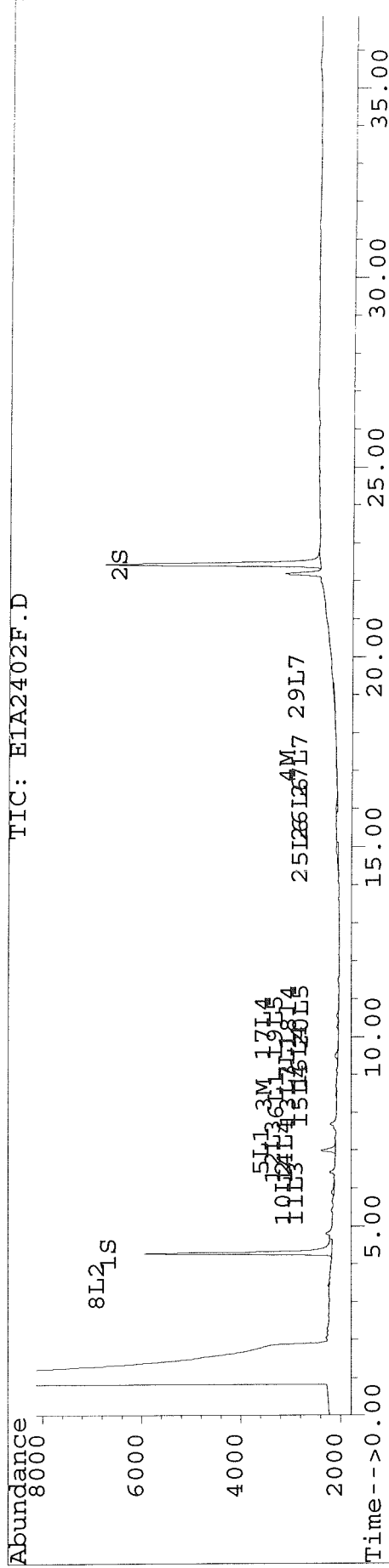
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 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402F.D Vial: 55
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2402R.D
 Acq On : 19 Sep 97 05:34 AM
 Sample : D1414-54,H4-C1(D),P0917-B1 Operator: JS
 Misc : 0,,2,,25000,,15.0,18,17-SEP-97,11-SEP-9 Multiplr: 1.00 Inst : E1
 Quant Time: Sep 19 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2415F.D Vial: 68
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2415F.D\E1A2415R.D
 Acq On : 19 Sep 97 02:22 PM Operator: JS
 Sample : D1414-55,PS-97(9706),P0917-B1,,,5 *Xdelivered* Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 15:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	713	675	3.346	3.367
			Recovery	=	16.73%	16.84%
2) S Decachlorobiphenyl	22.43	31.33	1435	668	5.874m	5.596
			Recovery	=	29.37%	27.98%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.48f	12.03	109	132	1.524	1.860
4) M 2,2',3,3',4,4'-Hexa	17.12	21.97	22558	5635	144.180	35.844 #
5) L1 Aroclor-1016	6.98	10.66	187	195	6.869	7.316
6) L1 Aroclor-1016 {2}	8.48	12.03	109	132	2.866	4.575 #
7) L1 Aroclor-1016 {3}	9.47f	12.62	654	72	30.303	5.247 #
Total Aroclor-1016			951	399	40.038	17.138
Average Aroclor-1016					13.346	5.713
8) L2 Aroclor-1221	3.43	0.00	28	0	3.279	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.89	9.14	51	54	2.961	3.650
Total Aroclor-1221			79	54	6.240	3.650
Average Aroclor-1221					3.120	3.650
11) L3 Aroclor-1232	5.89	9.14	51	54	3.836	4.534
12) L3 Aroclor-1232 {2}	6.98	10.66	187	195	15.408	15.700
13) L3 Aroclor-1232 {3}	8.48	12.03	109	132	6.754	10.827 #
Total Aroclor-1232			348	381	25.998	31.060
Average Aroclor-1232					8.666	10.353
14) L4 Aroclor-1242	6.98	10.66	187	195	5.114	5.419
15) L4 Aroclor-1242 {2}	8.48	12.03	109	132	2.461	3.415 #
16) L4 Aroclor-1242 {3}	9.47f	13.19	654	721	23.018	33.188 #
17) L4 Aroclor-1242 (4)	10.26	14.37	189	130	7.753	5.671 #
18) L4 Aroclor-1242 (5)	10.57	14.81	105	62	5.282	4.431
Total Aroclor-1242			1244	1240	43.628	52.124
Average Aroclor-1242					8.726	10.425
19) L5 Aroclor-1248	10.26	15.34	189	92	8.039	4.716 #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2415F.D Vial: 68
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2415F.D\E1A2415R.D
 Acq On : 19 Sep 97 02:22 PM Operator: JS
 Sample : D1414-55,PS-97(9706),P0917-B1,,,5 Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 15:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.56	105	93	5.391	4.683
21) L5 Aroclor-1248 {3}	0.00	16.55	0	136	N.D.	8.886 #
Total Aroclor-1248			294	321	13.430	18.285
Average Aroclor-1248					6.715	6.095
22) L6 Aroclor-1254	13.62	17.91	15210	14467	259.558	219.533
23) L6 Aroclor-1254 {2}	14.09	0.00	24936	0	821.346	N.D. #
24) L6 Aroclor-1254 {3}	14.48	18.56	2701	25150	86.288	882.265 #
25) L6 Aroclor-1254 (4)	14.88	18.88	26659	27874	993.027	971.324
26) L6 Aroclor-1254 (5)	15.99	20.42	30293	25781	626.429	579.466
Total Aroclor-1254			99798	93271	2786.648	2652.588
Average Aroclor-1254					557.330	663.147
27) L7 Aroclor-1260	17.12	21.82	22558	18975	816.098	773.473
28) L7 Aroclor-1260 {2}	18.09	22.31	42934	44932	845.406	786.107
29) L7 Aroclor-1260 {3}	19.21	24.21	32443	19736	869.977	825.156
Total Aroclor-1260			97935	83643	2531.481	<u>2384.736</u>
Average Aroclor-1260					843.827	794.912

AR1260

$$\frac{2384.736 \text{ pg/ml} \times 25 \text{ mL} \times 5}{15.0 \text{ mL}} = 19,872$$

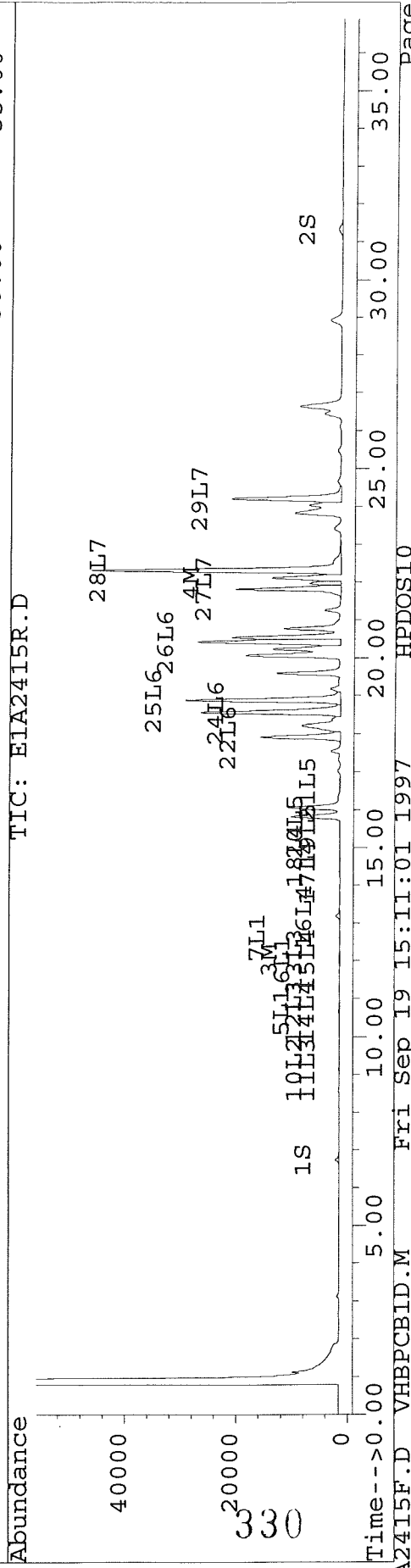
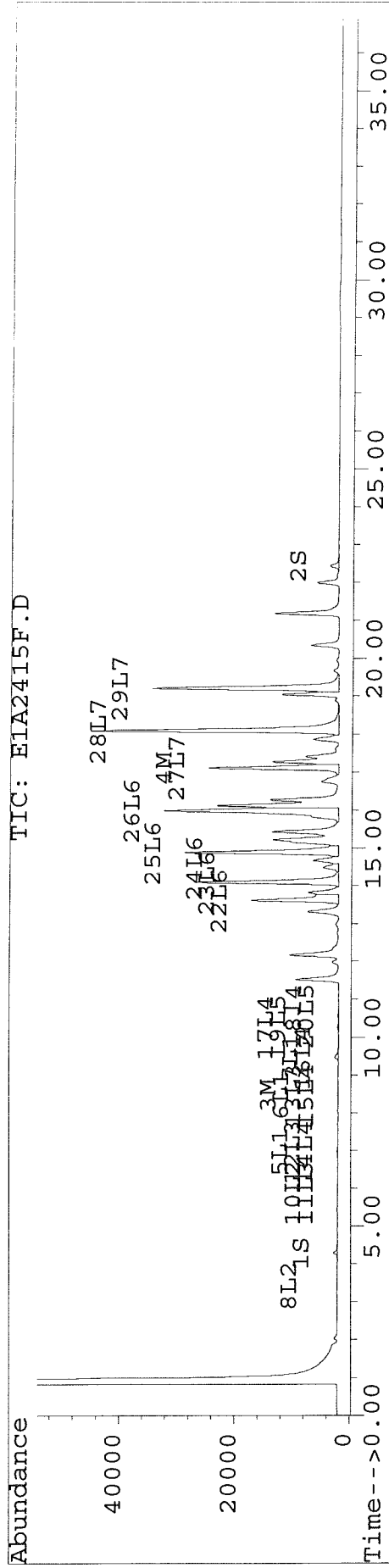
20,000 µg/l by AR1260

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 JS 9/19/97

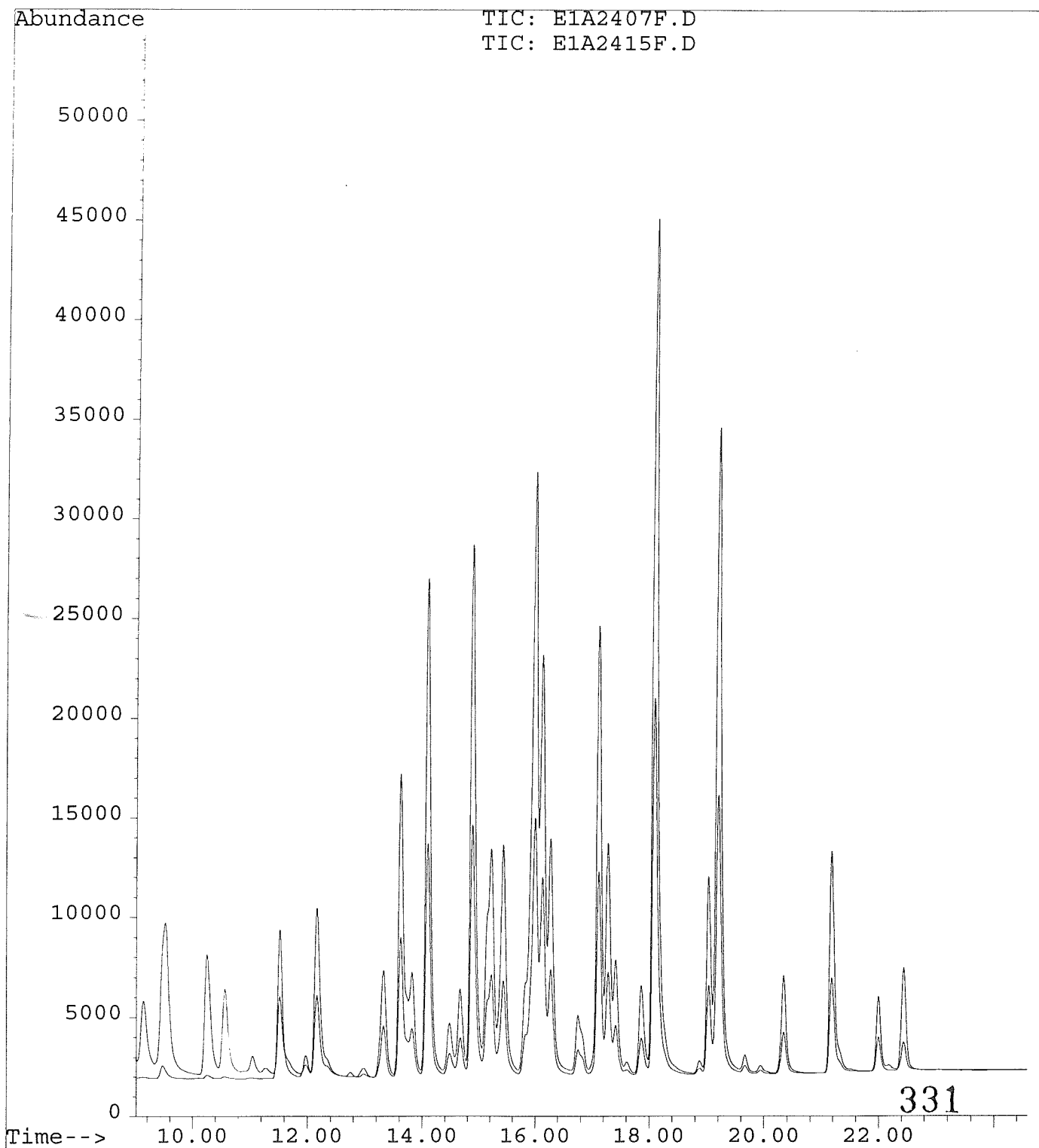
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Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2415F.D
Acq On : 19 Sep 97 02:22 PM Operator: JS
Sample : D1414-55,PS-97(9706),P0917-B1,,,5 Inst : E1
Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 15:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E1A2407F.D
Operator : JS
Acquired : 19 Sep 97 08:57 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1660DD,AR1660DD,,AR1660.SUB
Misc Info : 2,,,1
Vial Number: 60



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D Vial: 61
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D\E1A2408R.D
 Acq On : 19 Sep 97 09:37 AM Operator: JS
 Sample : D1414-55,PS-97(9706),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3517	3275	16.496	16.325
			Recovery	=	82.48%	81.62%
2) S Decachlorobiphenyl	22.43	31.32	6280	2924	25.707	24.484
			Recovery	=	128.54%	122.42%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.46	12.02	577	627	8.078	8.827
4) M 2,2',3,3',4,4'-Hexa	17.11	21.97	93636	26264	598.465	167.065 #
5) L1 Aroclor-1016	6.98	10.65	815	848	29.881	31.793
6) L1 Aroclor-1016 {2}	8.46	12.02	577	627	15.195	21.715 #
7) L1 Aroclor-1016 {3}	0.00	12.62	0	318	N.D.	23.150 #
Total Aroclor-1016			1392	1793	45.076	76.659
average Aroclor-1016					22.538	25.553
8) L2 Aroclor-1221	3.43	0.00	41	0	4.782	N.D. #
9) L2 Aroclor-1221 {2}	5.31	8.35	94	40	14.495	6.490 #
10) L2 Aroclor-1221 {3}	5.89	9.14	251	255	14.463	17.364
Total Aroclor-1221			386	295	33.740	23.855
average Aroclor-1221					11.247	11.927
11) L3 Aroclor-1232	5.89	9.14	251	255	18.738	21.573
12) L3 Aroclor-1232 {2}	6.98	10.65	815	848	67.029	68.224
13) L3 Aroclor-1232 {3}	8.46	12.02	577	627	35.807	51.389 #
Total Aroclor-1232			1643	1730	121.574	141.186
average Aroclor-1232					40.525	47.062
14) L4 Aroclor-1242	6.98	10.65	815	848	22.246	23.548
15) L4 Aroclor-1242 {2}	8.46	12.02	577	627	13.047	16.212
16) L4 Aroclor-1242 {3}	0.00	13.18	0	3046	N.D.	140.221 #
17) L4 Aroclor-1242 (4)	10.26	14.36	601	581	24.687	25.359
18) L4 Aroclor-1242 (5)	10.57	14.81	399	291	20.064	20.932
Total Aroclor-1242			2392	5393	80.044	226.272
average Aroclor-1242					20.011	45.254
19) L5 Aroclor-1248	10.26	15.33	601	464	25.598	23.704

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D Vial: 61
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D\E1A2408R.D
 Acq On : 19 Sep 97 09:37 AM Operator: JS
 Sample : D1414-55,PS-97(9706),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.57	15.55	399	395	20.479	19.858
21) L5 Aroclor-1248 {3}	0.00	16.56	0	493	N.D.	32.272 #
Total Aroclor-1248			1000	1352	46.077	75.835
Average Aroclor-1248					23.039	25.278
22) L6 Aroclor-1254	13.61	17.91	64302	58707	1097.301	890.881
23) L6 Aroclor-1254 {2}	14.08	0.00	96540	0	3179.872	N.D. #
24) L6 Aroclor-1254 {3}	14.47f	18.55	13052	94024	417.036	3298.368 #
25) L6 Aroclor-1254 (4)	14.87	18.87	111457	107307	4151.698	3739.325
26) L6 Aroclor-1254 (5)	15.98	20.41	128739	104857	2662.226	2356.853
Total Aroclor-1254			414089	364895	11508.133	10285.428
Average Aroclor-1254					2301.627	2571.357
27) L7 Aroclor-1260	17.11	21.81	93636	75247	3387.469	3067.220
28) L7 Aroclor-1260 {2}	18.08	22.30	183780	182835	3618.749	3198.817
29) L7 Aroclor-1260 {3}	19.20	24.20	139186	83471	3732.402	3489.945 #
Total Aroclor-1260			416602	341553	10738.620	9755.981 #
Average Aroclor-1260					3579.540	3251.994

$$\frac{9755.981 \times 25}{15 \times 1} = 16,259$$

16000 pg/ul

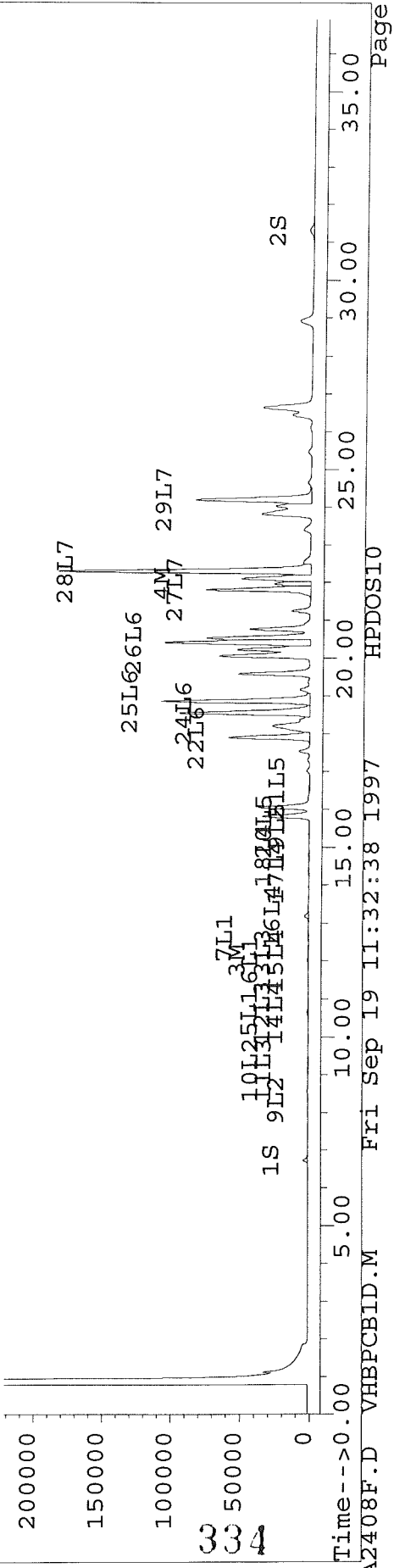
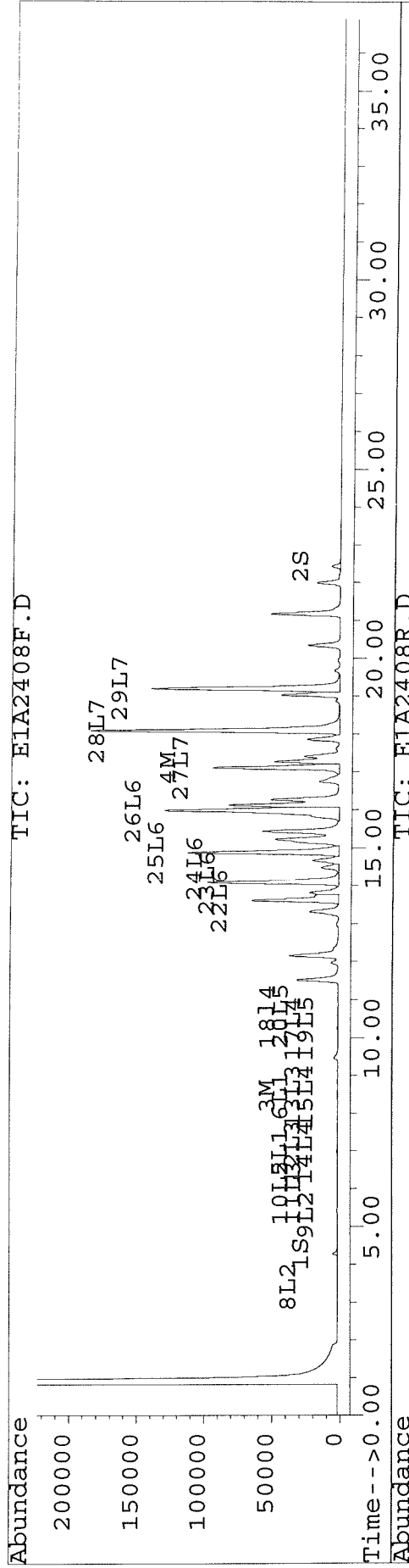
333

98 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D Vial: 61
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2408F.D
 Acq On : 19 Sep 97 09:37 AM Operator: JS
 Sample : D1414-55,PS-97(9706),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2416F.D Vial: 69
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2416F.D\E1A2416R.D
 Acq On : 19 Sep 97 03:02 PM Operator: JS
 Sample : D1414-56,PS-9103,P0917-B1,,,5X *dilution* Inst : E1
 Misc : 0,,,2,,,25000,,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 15:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	752	719	3.528	3.587
			Recovery	=	17.64%	17.94%
2) S Decachlorobiphenyl	22.43	31.33	1005	470	4.112m	3.939
			Recovery	=	20.56%	19.70%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.01	29106	24069	407.559	338.915
4) M 2,2',3,3',4,4'-Hexa	17.13	21.96	213	166	1.363	1.053
5) L1 Aroclor-1016	6.97	10.65	21240	19840	778.596	744.024
6) L1 Aroclor-1016 {2}	8.42f	12.01	29106	24069	766.644	833.787
7) L1 Aroclor-1016 {3}	9.51	12.60	16446	11423	761.550	831.863
Total Aroclor-1016			66792	55333	2806.790	2409.674
Average Aroclor-1016					768.930	803.225
8) L2 Aroclor-1221	3.43	5.87	130	98	15.282	13.394
9) L2 Aroclor-1221 {2}	5.29	8.35	1437	1406	221.634	230.150
10) L2 Aroclor-1221 {3}	5.87	9.13	9288	8314	535.396	565.625
Total Aroclor-1221			10855	9819	772.312	809.169
Average Aroclor-1221					257.437	269.723
11) L3 Aroclor-1232	5.87	9.13	9288	8314	693.662	702.726
12) L3 Aroclor-1232 {2}	6.97	10.65	21240	19840	1746.546	1596.585
13) L3 Aroclor-1232 {3}	8.42f	12.01	29106	24069	1806.583	1973.156
Total Aroclor-1232			59633	52224	4246.791	4272.468
Average Aroclor-1232					1415.597	1424.156
14) L4 Aroclor-1242	6.97	10.65	21240	19840	579.655	551.080
15) L4 Aroclor-1242 {2}	8.42f	12.01	29106	24069	658.254	622.470
16) L4 Aroclor-1242 {3}	9.51	13.17	16446	11526	578.472	530.514
17) L4 Aroclor-1242 (4)	10.25	14.36	14940	13005	613.658	568.016
18) L4 Aroclor-1242 (5)	10.56	14.81	12556	8490	631.981	609.970
Total Aroclor-1242			94287	76931	3062.020	2882.051
Average Aroclor-1242					612.404	576.410
19) L5 Aroclor-1248	10.25	15.32	14940	10531	636.313	537.643

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2416F.D Vial: 69
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2416F.D\E1A2416R.D
 Acq On : 19 Sep 97 03:02 PM Operator: JS
 Sample : D1414-56,PS-9103,P0917-B1,,,5x *dilution* Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 15:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.54	12556	12593	645.053	633.085
21) L5 Aroclor-1248 {3}	11.63	16.56	13696	9875	590.161	646.880
Total Aroclor-1248			41191	32999	1871.526	1817.608
Average Aroclor-1248					623.842	605.869
22) L6 Aroclor-1254	13.62	17.93	3531	4319	60.252	65.538
23) L6 Aroclor-1254 {2}	14.10	18.38	1464	2237	48.208	63.336 #
24) L6 Aroclor-1254 {3}	14.50	18.55	1852	605	59.189	21.211 #
25) L6 Aroclor-1254 (4)	14.89	0.00	484	0	18.046	N.D. #
26) L6 Aroclor-1254 (5)	16.01	20.43	564	493	11.661	11.081
Total Aroclor-1254			7895	7654	197.357	161.166
Average Aroclor-1254					39.471	40.292
27) L7 Aroclor-1260	17.13	21.83	213	81	7.716	3.305 #
28) L7 Aroclor-1260 {2}	18.11	22.35	130	196	2.556	3.427 #
29) L7 Aroclor-1260 {3}	19.22	24.21	86	61	2.302	2.543
Total Aroclor-1260			429	338	12.575	9.274
Average Aroclor-1260					4.192	3.091

AR1242

$$\frac{2882.051 \text{ ng/mL} \times 25 \text{ mL} \times 5}{15.0 \times 1} = 24,000 \frac{\mu\text{g}}{\text{kg}}$$

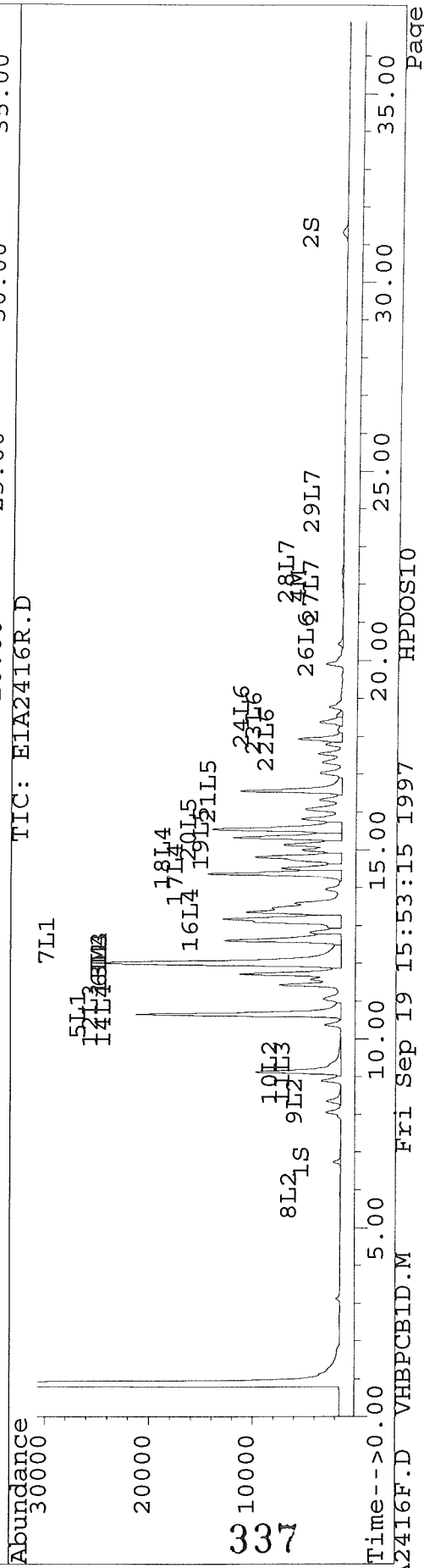
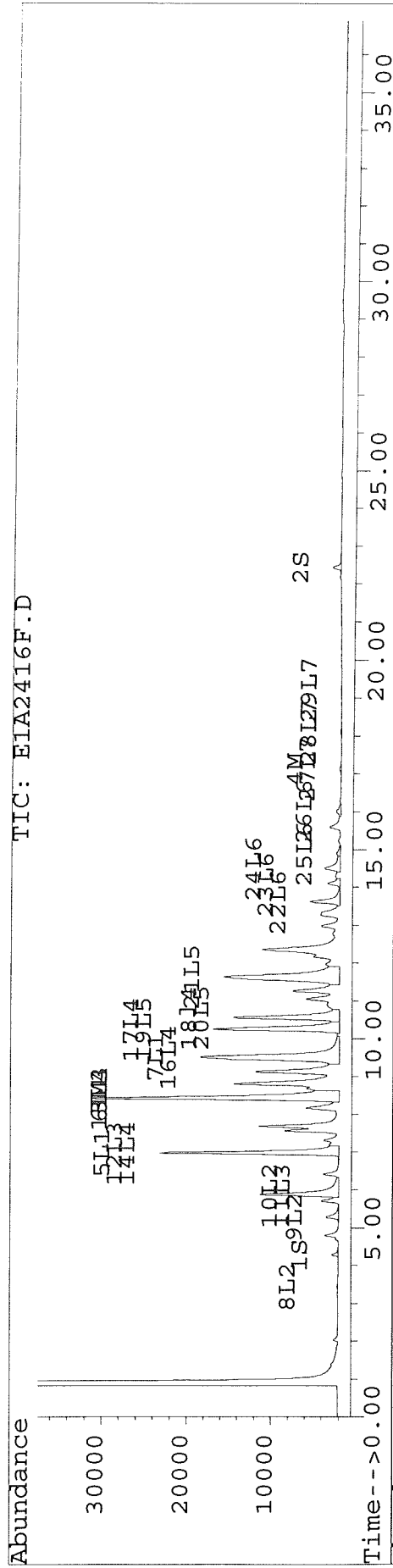
9/19/97 336

Quantitation Report

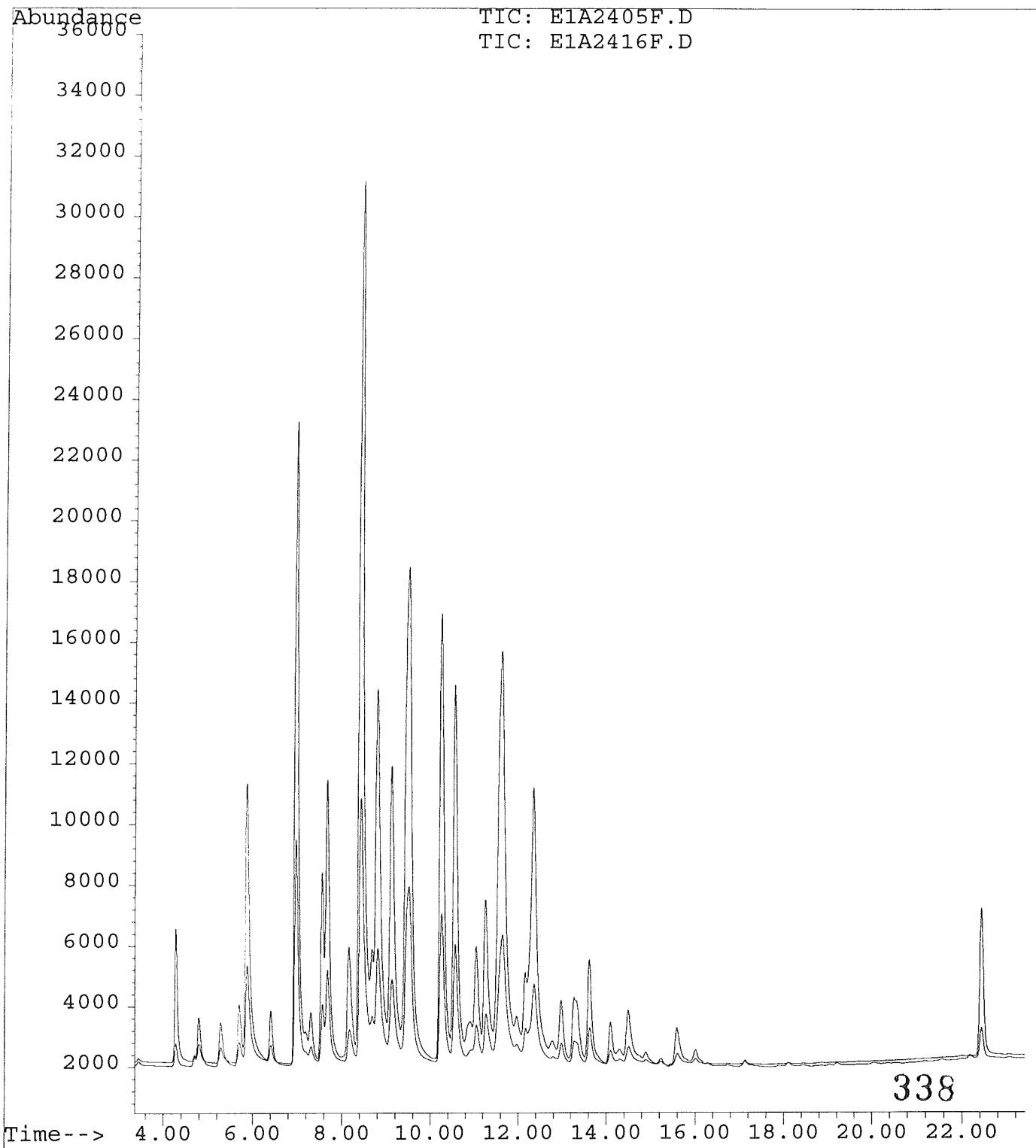
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2416F.D Vial: 69
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2416F.D
 Acq On : 19 Sep 97 03:02 PM Operator: JS
 Sample : D1414-56,PS-9103,P0917-B1,,,5 *cellulose* Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 15:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D
Operator : JS
Acquired : 19 Sep 97 07:35 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1242DD,AR1242DD,,AR1242.SUB
Misc Info : 2,,,1
Vial Number: 58



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D Vial: 62
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D\E1A2409R.D
 Acq On : 19 Sep 97 10:18 AM Operator: JS
 Sample : D1414-56,PS-9103,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3959	3676	18.571	18.326
			Recovery	=	92.86%	91.63%
2) S Decachlorobiphenyl	22.43	31.32	4630	2148	18.952	17.987
			Recovery	=	94.76%	89.93%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.40f	12.00f	141859	111135	1986.409	1564.862
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	947	750	6.050	4.772
5) L1 Aroclor-1016	6.96	10.64	83037	75112	3043.956	2816.795
6) L1 Aroclor-1016 {2}	0.00	12.00	0	111135	N.D.	3849.817 #
7) L1 Aroclor-1016 {3}	9.50	12.59	65552	51568	3035.399	3755.307
Total Aroclor-1016			148589	237815	6079.355	10421.919
Average Aroclor-1016					3039.677	3473.973
8) L2 Aroclor-1221	3.43	5.87	532	446	62.607	60.746
9) L2 Aroclor-1221 {2}	5.27	8.34	7347	6726	1133.339	1101.094
10) L2 Aroclor-1221 {3}	5.85	9.11	42672	36757	2459.727	2500.615
Total Aroclor-1221			50551	43930	3655.674	3662.455
Average Aroclor-1221					1218.558	1220.818
11) L3 Aroclor-1232	5.85f	9.11	42672	36757	3186.834	3106.737
12) L3 Aroclor-1232 {2}	6.96	10.64	83037	75112	6828.198	6044.501
13) L3 Aroclor-1232 {3}	0.00	12.00	0	111135	N.D.	9110.587 #
Total Aroclor-1232			125709	223004	10015.032	18261.824
Average Aroclor-1232					5007.516	6087.275
14) L4 Aroclor-1242	6.96	10.64	83037	75112	2266.187	2086.332
15) L4 Aroclor-1242 {2}	8.40f	12.00	141968	111135	3210.747m	2874.110
16) L4 Aroclor-1242 {3}	9.50	13.17	65552	44006	2305.686	2025.571
17) L4 Aroclor-1242 (4)	10.24	14.35	64608	55003	2653.860	2402.325
18) L4 Aroclor-1242 (5)	10.55	14.80	58601	38627	2949.561	2775.013
Total Aroclor-1242			413767	323883	13386.041	12163.35
Average Aroclor-1242					2677.208	2432.670
19) L5 Aroclor-1248	10.24	15.31	64608	49891	2751.836	2547.179

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D Vial: 62
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D\E1A2409R.D
 Acq On : 19 Sep 97 10:18 AM Operator: JS
 Sample : D1414-56, PS-9103, P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.53	58601	60367	3010.570	3034.876
21) L5 Aroclor-1248 {3}	11.61f	16.55	67997	52790	2930.073	3458.036
Total Aroclor-1248			191207	163048	8692.479	9040.091
Average Aroclor-1248					2897.493	3013.364
22) L6 Aroclor-1254	13.61	17.93	18304	20375	312.357	309.198
23) L6 Aroclor-1254 {2}	14.09	18.37	7441	11256	245.096	318.675 #
24) L6 Aroclor-1254 {3}	14.47f	18.55	10347	2459	330.605	86.278 #
25) L6 Aroclor-1254 (4)	14.88	0.00	1946	0	72.483	N.D. #
26) L6 Aroclor-1254 (5)	16.00	20.42	2575	2296	53.246	51.616
Total Aroclor-1254			40613	36388	1013.785	765.767
Average Aroclor-1254					202.757	191.442
27) L7 Aroclor-1260	17.12	21.82	947	353	34.242	14.379 #
28) L7 Aroclor-1260 {2}	18.10	22.34	597	895	11.752	15.663 #
29) L7 Aroclor-1260 {3}	19.21	24.21	378	232	10.129	9.702
Total Aroclor-1260			1921	1480	56.123	39.744
Average Aroclor-1260					18.708	13.248

AR1242

$$\frac{12163.35 \times 25}{15 \times 1} = 20,272$$

20,272

20,000 $\mu\text{g}/\text{ug}$ E

340

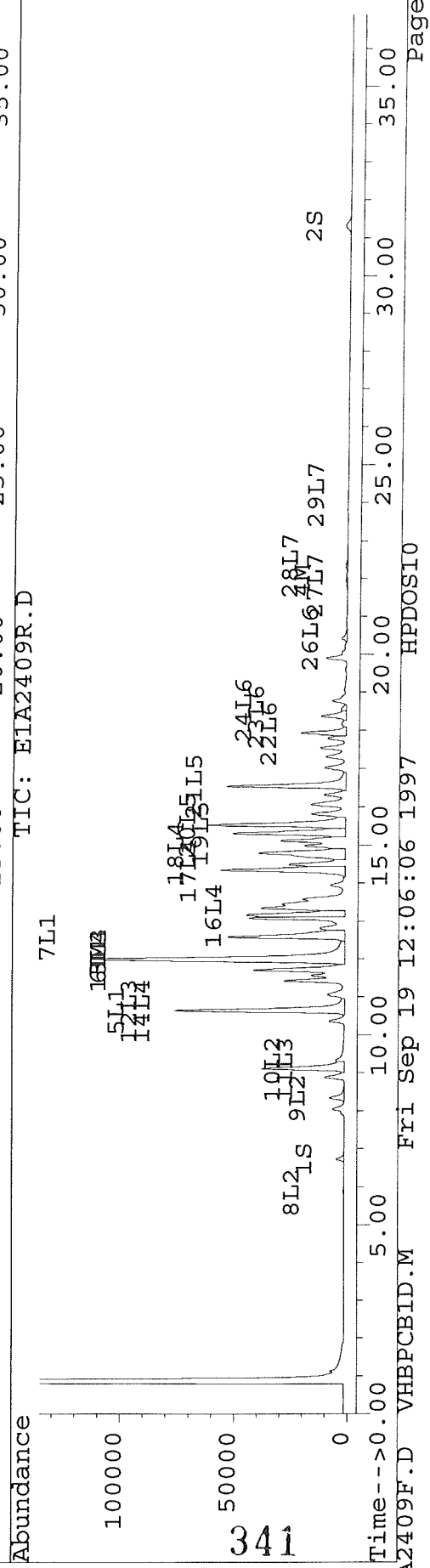
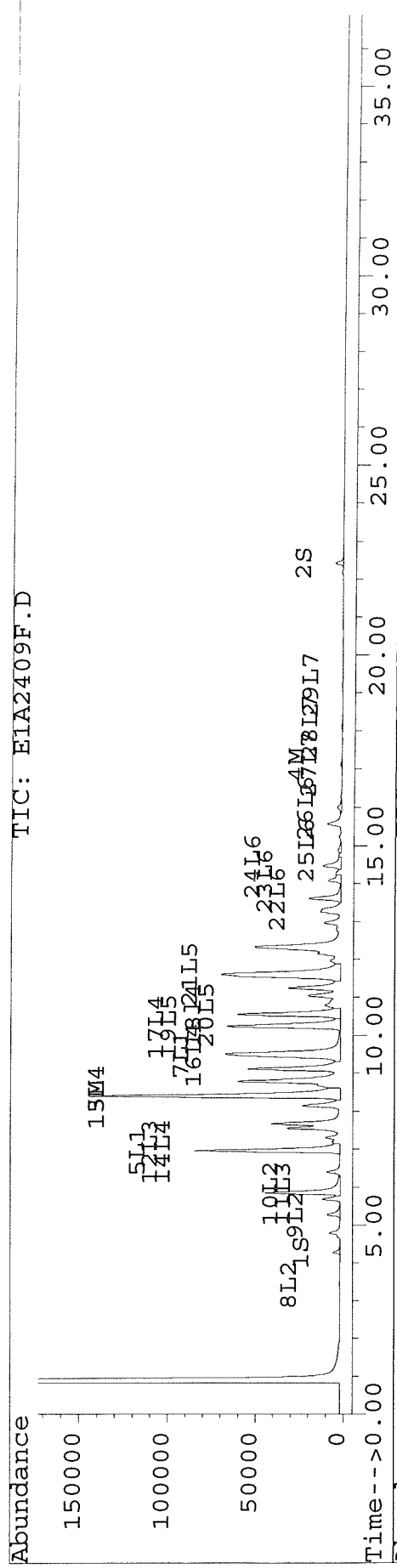
9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D Vial: 62
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2409F.D
 Acq On : 19 Sep 97 10:18 AM Operator: JS
 Sample : D1414-56,PS-9103,P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2417F.D Vial: 70
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2417F.D\E1A2417R.D
 Acq On : 19 Sep 97 03:43 PM Operator: JS
 Sample : D1414-57, PS-95 (9505), P0917-B1, , , 3 *Calibration* Inst : E1
 Misc : 0, , , 2, , , 25000, , 15.0, 0, 17-SEP-97, 11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 16:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	1225	1167	5.746	5.818
			Recovery	=	28.73%	29.09%
2) S Decachlorobiphenyl	22.43	31.33	1568	746	6.417m	6.244
			Recovery	=	32.08%	31.22%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.47	12.02	361	394	5.055	5.543
4) M 2,2',3,3',4,4'-Hexa	17.12	21.96	9367	8357	59.871	53.162
5) L1 Aroclor-1016	6.98	10.66	398	418	14.586	15.677
6) L1 Aroclor-1016 {2}	8.47	12.02	361	394	9.510	13.638 #
7) L1 Aroclor-1016 {3}	0.00	12.62	0	147	N.D.	10.683 #
Total Aroclor-1016			759	958	24.096	39.998
average Aroclor-1016					12.048	13.333
8) L2 Aroclor-1221	3.43	0.00	40	0	4.756	N.D. #
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	5.90	9.14	103	111	5.942	7.560 #
Total Aroclor-1221			144	111	10.698	7.560
average Aroclor-1221					5.349	7.560
11) L3 Aroclor-1232	5.90	9.14	103	111	7.698	9.393
12) L3 Aroclor-1232 {2}	6.98	10.66	398	418	32.720	33.641
13) L3 Aroclor-1232 {3}	8.47	12.02	361	394	22.409	32.274 #
Total Aroclor-1232			862	923	62.827	75.307
average Aroclor-1232					20.942	25.102
14) L4 Aroclor-1242	6.98	10.66	398	418	10.859	11.611
15) L4 Aroclor-1242 {2}	8.47	12.02	361	394	8.165	10.181
16) L4 Aroclor-1242 {3}	0.00	13.18	0	11819	N.D.	544.024 #
17) L4 Aroclor-1242 (4)	10.25	14.36	6630	6802	272.321	297.068
18) L4 Aroclor-1242 (5)	10.56	14.81	2455	2187	123.584	157.125 #
Total Aroclor-1242			9844	21619	414.929	1020.010
Average Aroclor-1242					103.732	204.002
19) L5 Aroclor-1248	10.25	15.33	6630	7574	282.374	386.670 #

86
94

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2417F.D Vial: 70
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2417R.D
 Acq On : 19 Sep 97 03:43 PM Operator: JS
 Sample : D1414-57,PS-95(9505),P0917-B1,,,3x dilution Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 16:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.56	15.55	2455	2828	126.140	142.165
21) L5 Aroclor-1248 {3}	0.00	16.56	0	2055	N.D.	134.646 #
Total Aroclor-1248			9085	12457	408.514	663.480
Average Aroclor-1248					204.257	221.160
22) L6 Aroclor-1254	13.61	17.93	36085	37103	615.788	563.048
23) L6 Aroclor-1254 {2}	14.09	18.37	17176	20349	565.759	576.098
24) L6 Aroclor-1254 {3}	14.47f	18.56	19539	14633	624.311	513.320
25) L6 Aroclor-1254 (4)	14.88	18.87	14769	15261	550.145	531.783
26) L6 Aroclor-1254 (5)	16.00	20.42	29225	25588	604.340	575.131
Total Aroclor-1254			116794	112934	2960.343	2759.380
Average Aroclor-1254					592.069	551.876
27) L7 Aroclor-1260	17.12	21.82	9367	1733	338.884	70.626 #
28) L7 Aroclor-1260 {2}	18.10	22.31	3824	4093	75.303	71.618
29) L7 Aroclor-1260 {3}	19.22	24.21	2876	2223	77.132	92.952
Total Aroclor-1260			16068	8049	491.319	235.196
Average Aroclor-1260					163.773	78.399

AR1254

$$\frac{2759.380 \text{ ng/ml} \times 25 \text{ ml} \times 3}{15.0 \text{ ug} \times 1} = 13,794$$

14,000 ~~ug~~ ug/dg D

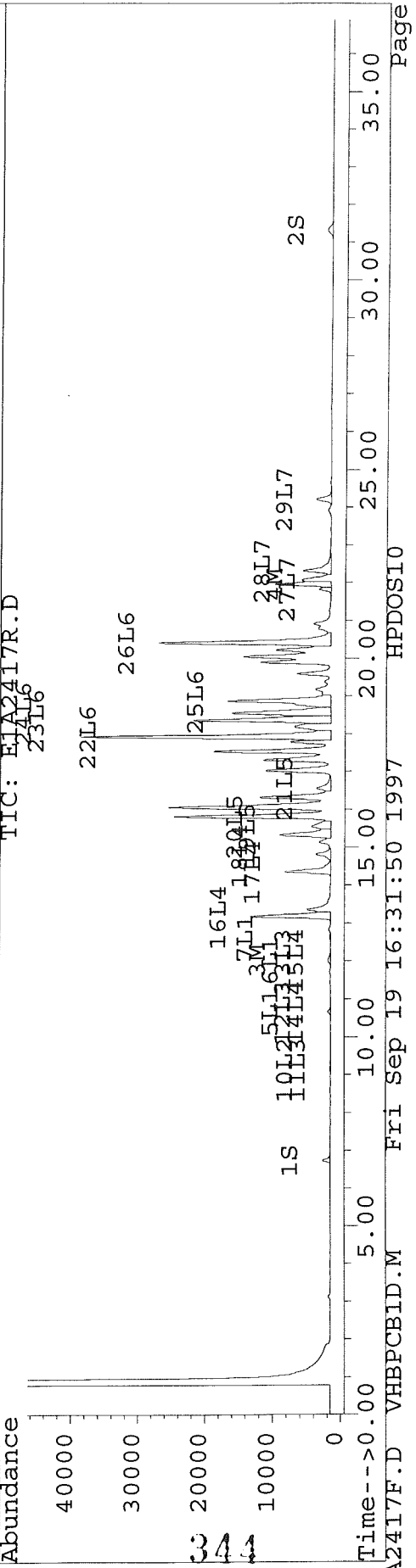
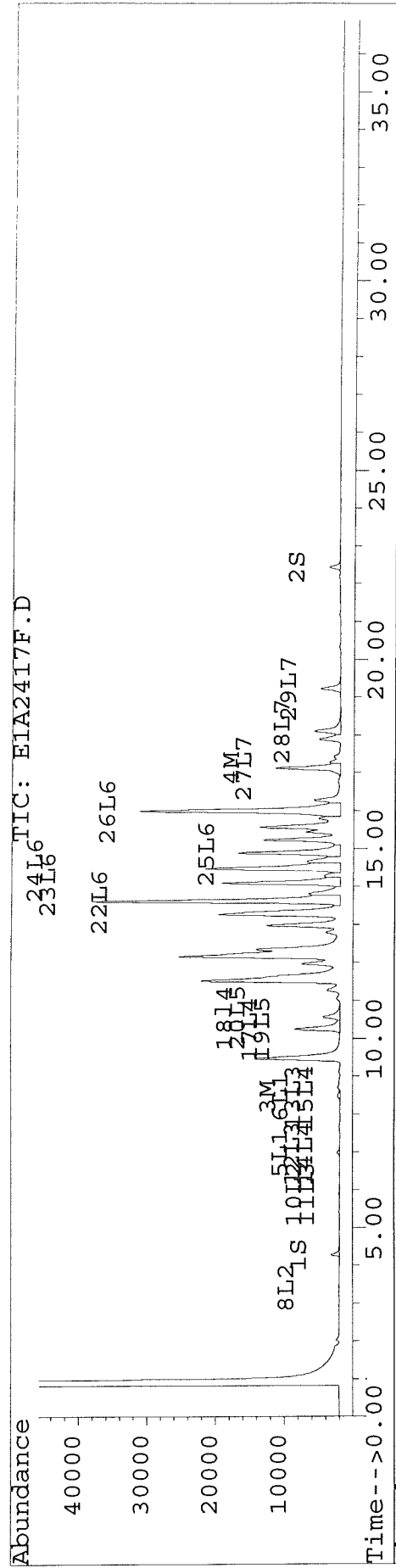
343

JS 9/19/97

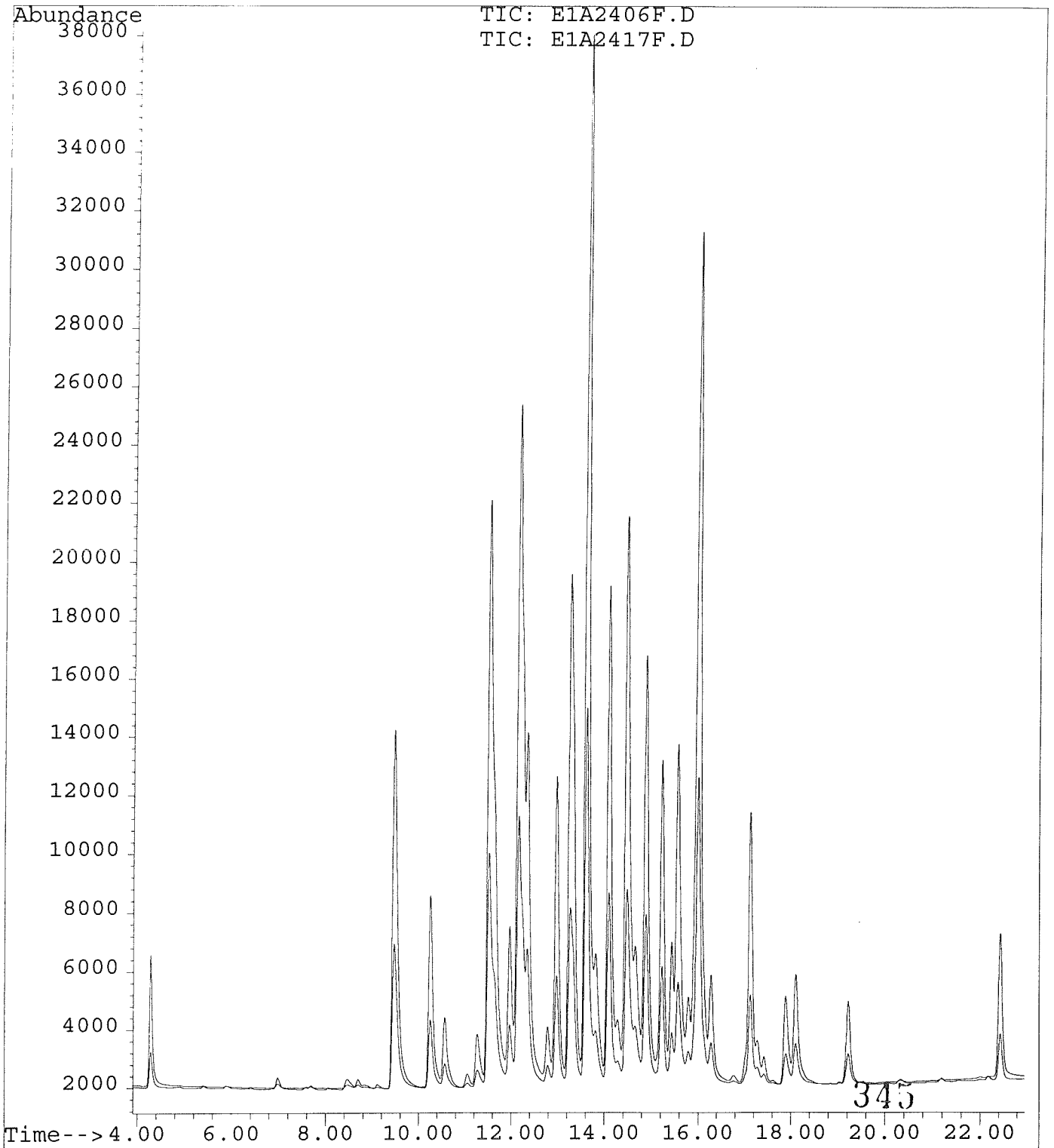
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2417F.D Vial: 70
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2417F.D
 Acq On : 19 Sep 97 03:43 PM Operator: JS
 Sample : D1414-57,PS-95(9505),P0917-B1,,,3X~~dilution~~ Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 16:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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



File : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D
Operator : JS
Acquired : 19 Sep 97 08:16 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DD,AR1254DD,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 59



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D Vial: 63
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D\E1A2410R.D
 Acq On : 19 Sep 97 10:59 AM Operator: JS
 Sample : D1414-57,PS-95(9505),P0917-B1 Inst : E1
 Misc : 0,,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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	4.28	6.73	3868	3623	18.142	18.059
			Recovery	=	90.71%	90.30%
2) S Decachlorobiphenyl	22.43	31.32	4480	2107	18.339	17.646
			Recovery	=	91.69%	88.23%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.45	12.01	1218	1219	17.057	17.169
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	29346	25343	137.559	161.210
5) L1 Aroclor-1016	6.98	10.65	1152	1173	42.218	43.978
6) L1 Aroclor-1016 {2}	8.45	12.01	1218	1219	32.085	42.238 #
7) L1 Aroclor-1016 {3}	0.00	12.61	0	467	N.D.	33.996 #
Total Aroclor-1016			2370	2859	74.303	120.212
Average Aroclor-1016					37.151	40.071
8) L2 Aroclor-1221	3.43	0.00	37	0	4.304	N.D. #
9) L2 Aroclor-1221 {2}	5.30	8.35	66	37	10.248	6.136 #
10) L2 Aroclor-1221 {3}	5.89	9.14	311	328	17.915	22.283
Total Aroclor-1221			414	365	32.467	28.419
Average Aroclor-1221					10.822	14.210
11) L3 Aroclor-1232	5.89	9.14	311	328	23.211	27.684
12) L3 Aroclor-1232 {2}	6.98	10.65	1152	1173	94.703	94.371
13) L3 Aroclor-1232 {3}	8.45	12.01	1218	1219	75.608	99.957 #
Total Aroclor-1232			2681	2720	193.521	222.012
Average Aroclor-1232					64.507	74.004
14) L4 Aroclor-1242	6.98	10.65	1152	1173	31.431	32.573
15) L4 Aroclor-1242 {2}	8.45	12.01	1218	1219	27.549	31.533
16) L4 Aroclor-1242 {3}	0.00	13.18	0	30361	N.D.	1397.505 #
17) L4 Aroclor-1242 (4)	10.24	14.36	19151	18837	786.643	822.744
18) L4 Aroclor-1242 (5)	10.55	14.81	7554	6597	380.220	473.925
Total Aroclor-1242			29075	58187	1225.843	2758.280
Average Aroclor-1242					306.461	551.656
19) L5 Aroclor-1248	10.24	15.32	19151	23508	815.685	1200.179 #

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D Vial: 63
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D\E1A2410R.D
 Acq On : 19 Sep 97 10:59 AM Operator: JS
 Sample : D1414-57,PS-95(9505),P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	10.55	15.54	7554	8603	388.085	432.500
21) L5 Aroclor-1248 {3}	0.00	16.55	0	6241	N.D.	408.838 #
Total Aroclor-1248			26705	38352	1203.769	2041.518
Average Aroclor-1248					601.885	680.506
22) L6 Aroclor-1254	13.60	17.93	99891	98642	1704.631	1496.902
23) L6 Aroclor-1254 {2}	14.08	18.36	46889	59137	1544.441	1674.190
24) L6 Aroclor-1254 {3}	14.45f	18.55	59934	37377	1915.010m	1311.188
25) L6 Aroclor-1254 (4)	14.87	18.87	41156	40327	1533.032	1405.277
26) L6 Aroclor-1254 (5)	15.99	20.42	83356	70049	1723.726	1574.476
Total Aroclor-1254			331225	305532	8420.839	7462.0338
Average Aroclor-1254					1684.168	1492.407
27) L7 Aroclor-1260	17.11	21.82	29346	4877	1061.634	198.788
28) L7 Aroclor-1260 {2}	18.10	22.31	12003	11782	236.355	206.135
29) L7 Aroclor-1260 {3}	19.21	24.21	9053	6768	242.773	282.974
Total Aroclor-1260			50402	23427	1540.762	687.897
Average Aroclor-1260					513.587	229.299

AR1254

$$\frac{7462.033 \times 25}{15 \times 1}$$

12,436

12,000 $\mu\text{g}/\text{kg}$ E

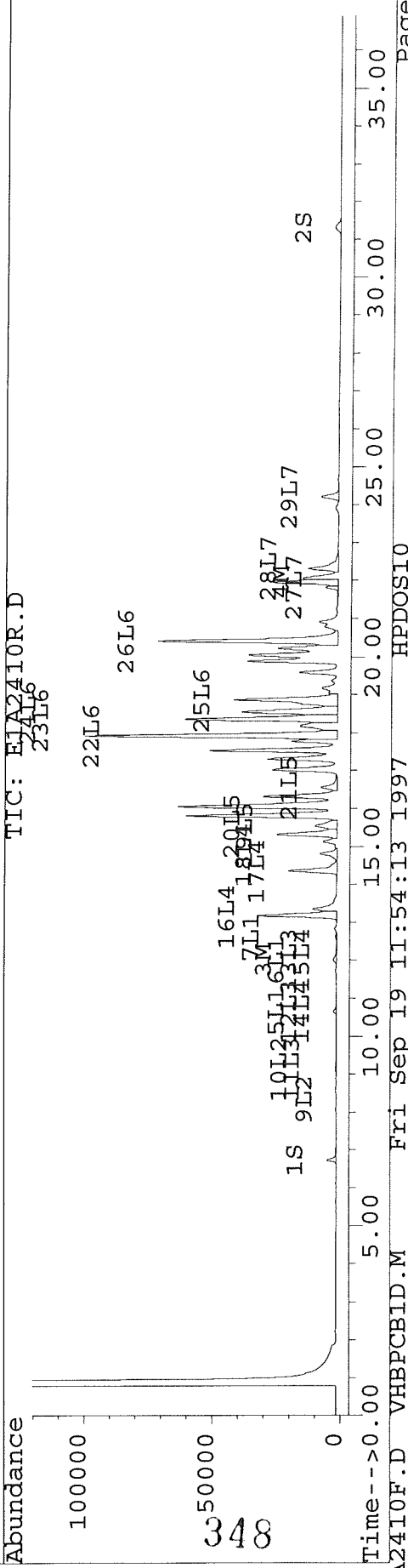
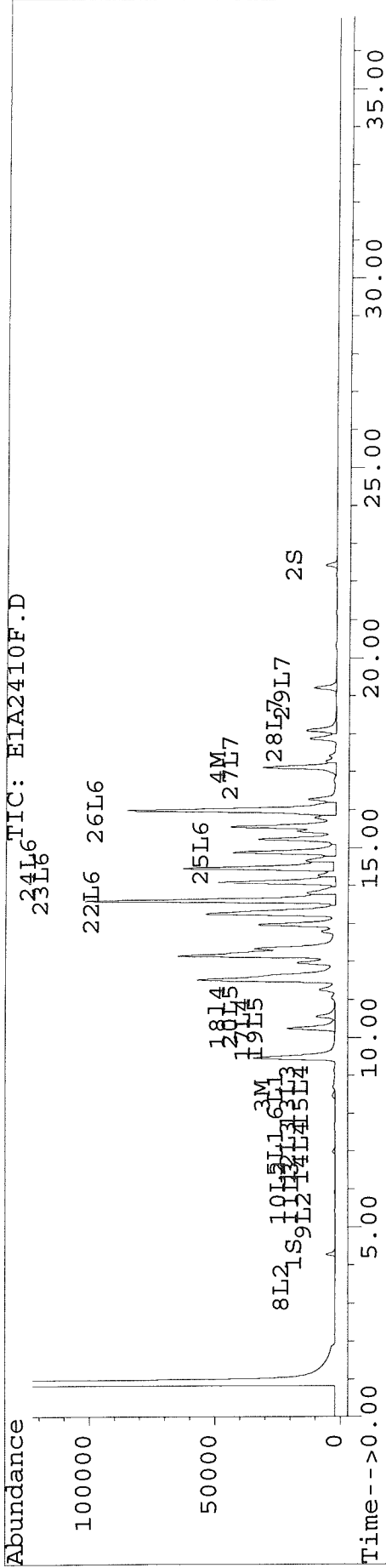
347

9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D Vial: 63
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2410F.D
 Acq On : 19 Sep 97 10:59 AM Operator: JS
 Sample : D1414-57, PS-95(9505), P0917-B1 Inst : E1
 Misc : 0,,2,,25000,,15.0,0,17-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2412F.D Vial: 65
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2412F.D\E1A2412R.D
 Acq On : 19 Sep 97 12:20 PM Operator: JS
 Sample : P0917-B1,PBLK04,P0917-B1 Inst : E1
 Misc : 3,,BLANK,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3821	3552	17.920	17.706
			Recovery	=	89.60%	88.53%
2) S Decachlorobiphenyl	22.43	31.32	4447	2104	18.203m	17.625m
			Recovery	=	91.02%	88.13%
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	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	3.43	0.00	73	0	8.548	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			73	0	8.548	N.D.
Average Aroclor-1221					8.548	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor-1242 (4)	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2412F.D Vial: 65
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2412F.D\E1A2412R.D
 Acq On : 19 Sep 97 12:20 PM Operator: JS
 Sample : P0917-B1,PBLK04,P0917-B1 Inst : E1
 Misc : 3,,BLANK,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	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

350

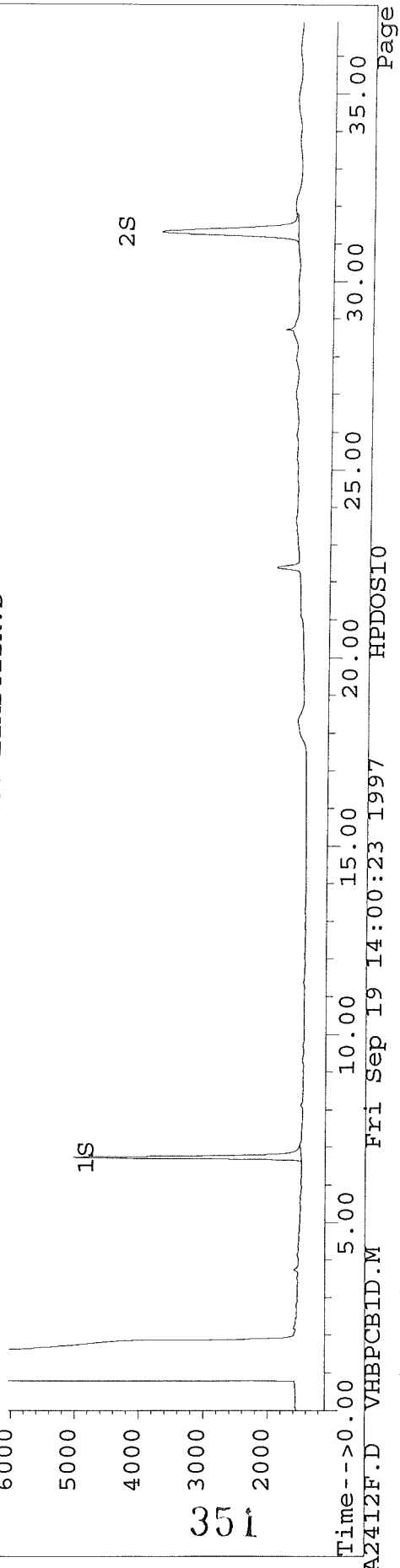
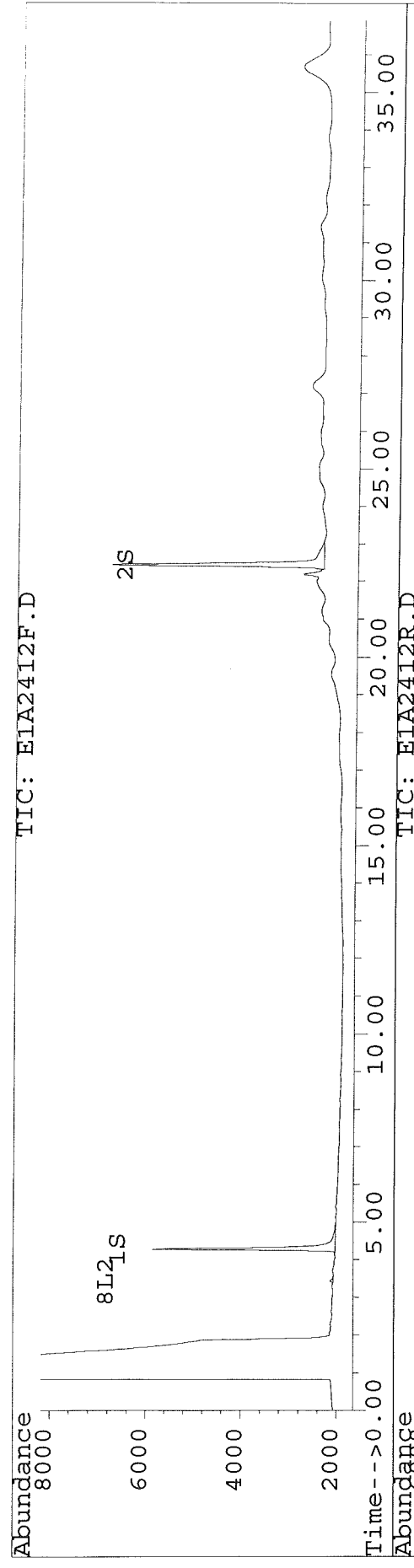
JS 9/19/97

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2412F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2412F.D
Acq On : 19 Sep 97 12:20 PM Operator: JS
Sample : P0917-B1,PBLK04,P0917-B1 Inst : E1
Misc : 3,,BLANK,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Wed Sep 17 16:58:43 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\SEP97\970918\E1A2413F.D Vial: 66
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2413F.D\E1A2413R.D
 Acq On : 19 Sep 97 01:01 PM Operator: JS
 Sample : P0917-LCS1,PLCS04,P0917-B1 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #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-xylene	4.28	6.73	3491	3292	16.373	16.412
			Recovery	=	81.87%	82.06%
2) S Decachlorobiphenyl	22.43	31.32	4232	2020	17.323	16.918
			Recovery	=	86.61%	84.59%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.42	12.02	68653	69253	961.329	975.131
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	158639	157570	1013.924	1002.304 (c)
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	8.42f	12.02	68653	69253	1808.320	2398.983
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			68653	69253	1808.320	2398.983
Average Aroclor-1016					1808.320	2398.983
8) L2 Aroclor-1221	3.43	0.00	70	0	8.190	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.34	70	79	10.861	13.003
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			140	79	19.051	13.003
Average Aroclor-1221					9.526	13.003
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}	8.42f	12.02	68653	69253	4261.274	5677.189
Total Aroclor-1232			68653	69253	4261.274	5677.189
Average Aroclor-1232					4261.274	5677.189
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	8.42f	12.02	68653	69253	1552.655	1790.978
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			68653	69253	1552.655	1790.978
Average Aroclor-1242					1552.655	1790.978
19) L5 Aroclor-1248	10.21f	0.00	170	0	7.244	N.D. #

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2413F.D Vial: 66
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2413F.D\E1A2413R.D
 Acq On : 19 Sep 97 01:01 PM Operator: JS
 Sample : P0917-LCS1,PLCS04,P0917-B1 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 1997
 Response via : Multiple Level Calibration

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

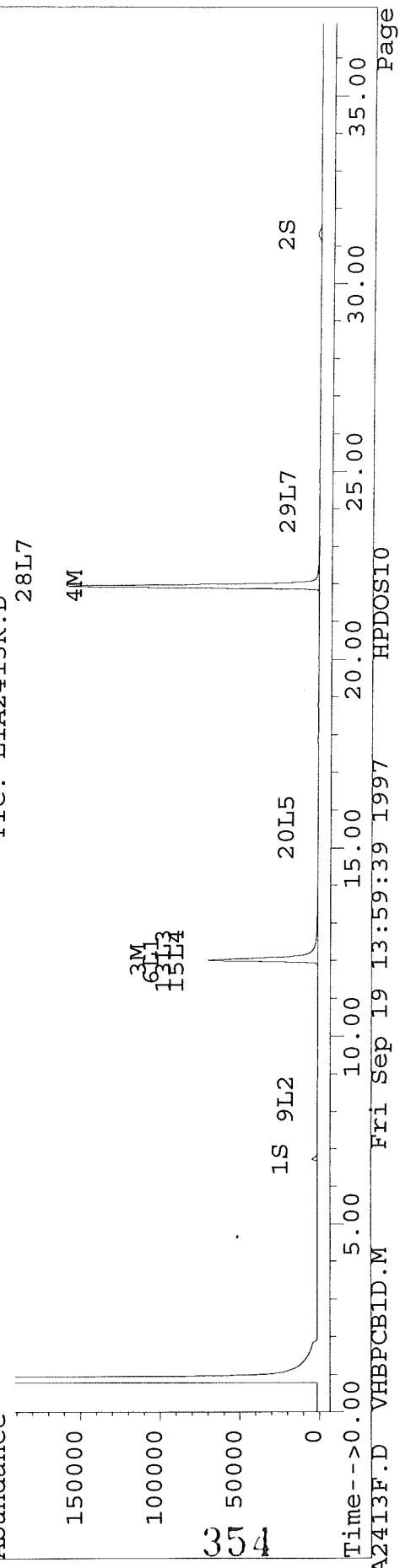
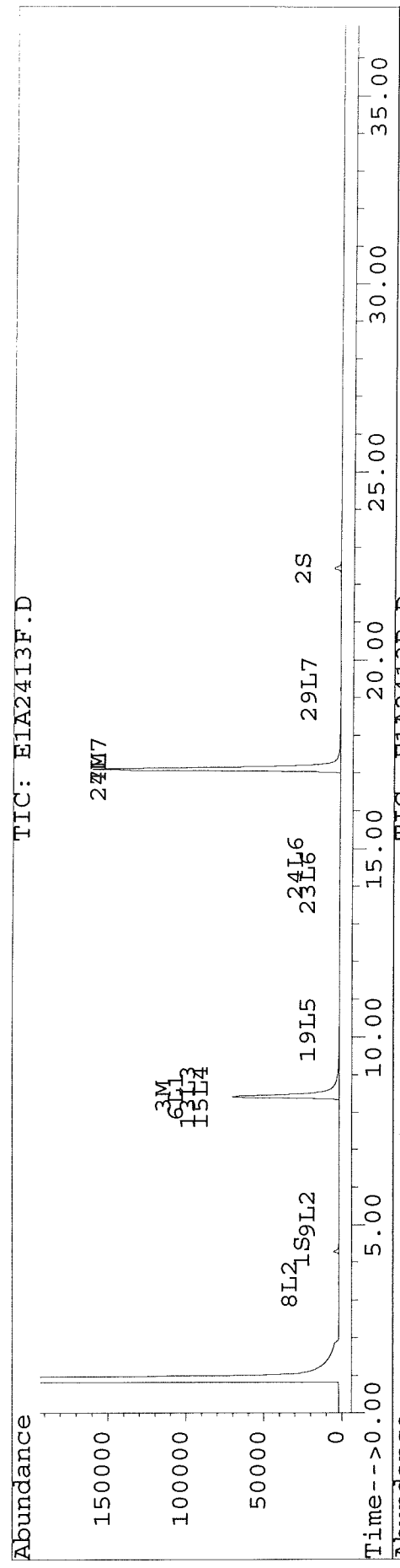
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	15.57	0	20	N.D.	0.999 #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			170	20	7.244	0.999
Average Aroclor-1248					7.244	0.999
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.10	0.00	387	0	12.763	N.D. #
24) L6 Aroclor-1254 {3}	14.50	0.00	195	0	6.229	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			582	0	18.992	N.D.
Average Aroclor-1254					9.496	0.000
27) L7 Aroclor-1260	17.11	0.00	158639	0	5739.076	N.D. #
28) L7 Aroclor-1260 {2}	0.00	22.36f	0	754	N.D.	13.199 #
29) L7 Aroclor-1260 {3}	19.23	24.21	86	99	2.303	4.132 #
Total Aroclor-1260			158725	853	5741.379	17.331
Average Aroclor-1260					2870.689	8.665

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 JS 9/19/97

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2413F.D Vial: 66
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2413F.D\E1A2413R.D
 Acq On : 19 Sep 97 01:01 PM Operator: JS
 Sample : P0917-LCS1,PLCS04,P0917-B1 Inst : E1
 Misc : 3,,LCS,2,,25000,,15.0,0,17-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 13:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
 Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
 Last Update : Wed Sep 17 16:58:43 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 #

MITKEM CORPORATION ORGANIC PREP LAB - SAMPLE PREPARATION : Pests/PCP

Project#: D1414

Client:

Sample Matrix: Soil

Analyst: ARJ

Spiker: ASN

Final Conc Date/An. 9/18/18

Final Extr. Volum. 25.0 ml

Cu/Acid Date/An. 9/18/18

Date Extr. Tran. 9/18

Comments

DATE 9/17/17

Blank ID 20917 b1

Analysis: PCB

Method: S.C.C

Matrix Spike Added: N

Surr. Spike Added: PM970725A 1 mL

Client Weight/Vol. Ext. 15.0 g

GPC Date/An. ~ ~ ~ ~ ~

Florisil Date/An. ~ ~ ~ ~ ~

Final Conc Date/An. 9/18/18

Final Extr. Volum. 25.0 ml

Cu/Acid Date/An. 9/18/18

Date Extr. Tran. 9/18

Comments

Sample ID PD1414-53

Sample ID 54

Sample ID 55

Sample ID 56

Sample ID 57

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

Sample ID

5

18

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356

VHB PCB Data

Matrix: Aqueous samples

QC Batch: P0918-B1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0172F.D Vial: 35
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0172F.D\E3A0172R.D
 Acq On : 18 Sep 97 03:18 PM Operator: JS/GML
 Sample : D1414-58,GERB-4,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.00	119455	91837	18.768	19.820
			Recovery	=	93.84%	99.10%
2) S Decachlorobiphenyl	19.40	27.34f	112659	85194	13.964	14.149
			Recovery	=	69.82%	70.74%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 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}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0172F.D Vial: 35
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0172F.D\E3A0172R.D
 Acq On : 18 Sep 97 03:18 PM Operator: JS/GML
 Sample : D1414-58,GERB-4,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

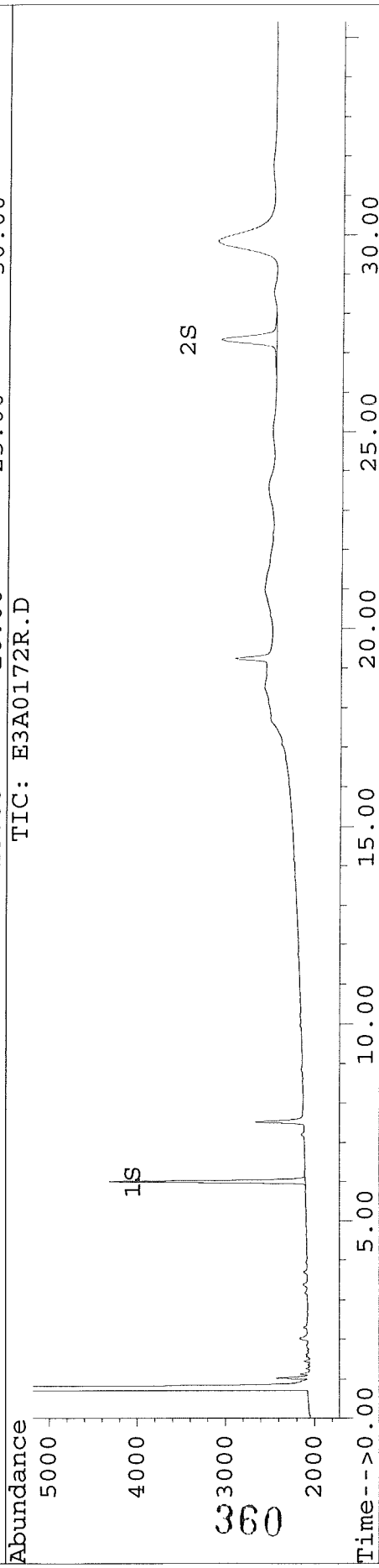
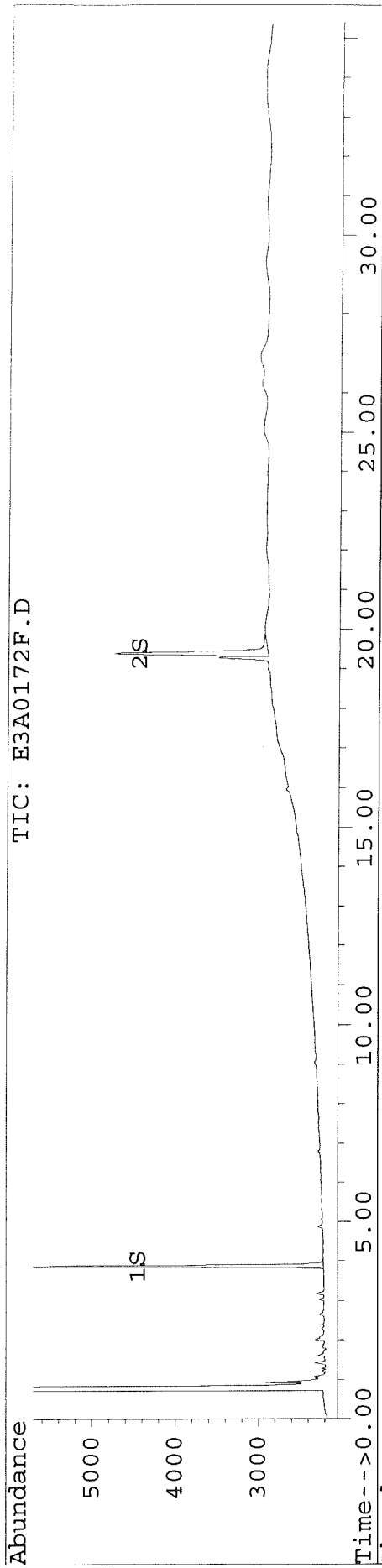
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	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.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\SEP97\970918\E3A0172F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0172R.D
Acq On : 18 Sep 97 03:18 PM Operator: JS/GML
Sample : D1414-58,GERB-4,P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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\SEP97\970918\E3A0173F.D Vial: 36
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0173F.D\E3A0173R.D
 Acq On : 18 Sep 97 03:56 PM Operator: JS/GML
 Sample : D1414-59,GERB-5,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
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System Monitoring Compounds

1) S	Tetrachloro-m-xylen	3.86	6.01	120996	91129	19.010	19.667
				Recovery	=	95.05%	98.34%
2) S	Decachlorobiphenyl	19.38	27.33f	90574	65412	11.226	10.863m
				Recovery	=	56.13%	54.32%

Target Compounds

3)	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4)	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}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4	Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0173F.D Vial: 36
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0173F.D\E3A0173R.D
 Acq On : 18 Sep 97 03:56 PM Operator: JS/GML
 Sample : D1414-59,GERB-5,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	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

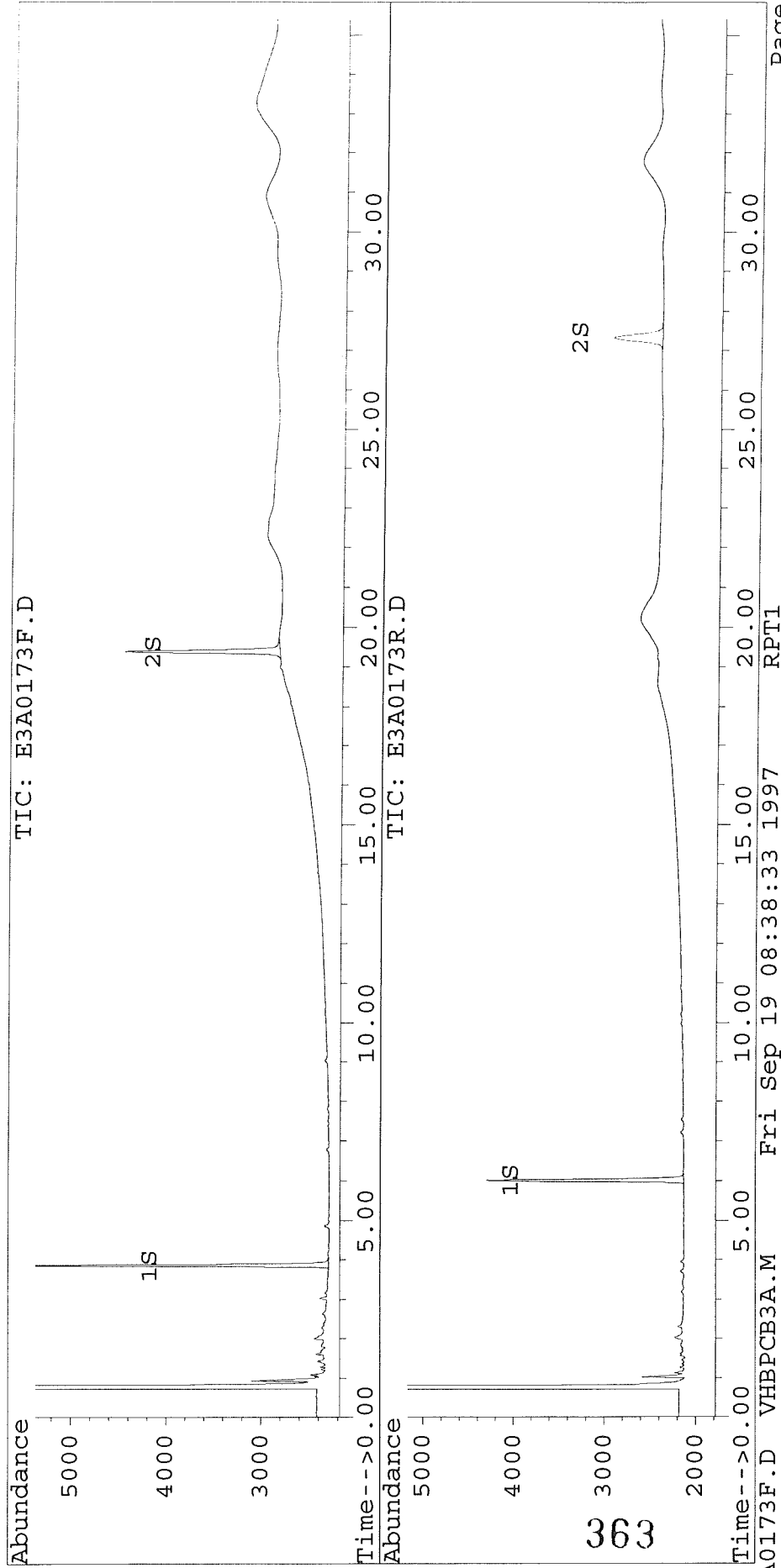
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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0173F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0173R.D
Acq On : 18 Sep 97 03:56 PM Operator: JS/GML
Sample : D1414-59,GERB-5,P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D Vial: 37
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D\E3A0174R.D
 Acq On : 18 Sep 97 04:49 PM Operator: JS/GML
 Sample : D1414-60,GERB-6,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.00	115166	87971	18.094	18.985
			Recovery	=	90.47%✓	94.93%
2) S Decachlorobiphenyl	19.39	27.34f	93350	85616	11.570	14.219
			Recovery	=	57.85%✓	71.10%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 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}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D Vial: 37
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D\E3A0174R.D
 Acq On : 18 Sep 97 04:49 PM Operator: JS/GML
 Sample : D1414-60,GERB-6,P0918-B1 Inst : E3
 Misc : 0,,,1,,10000,1000,,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

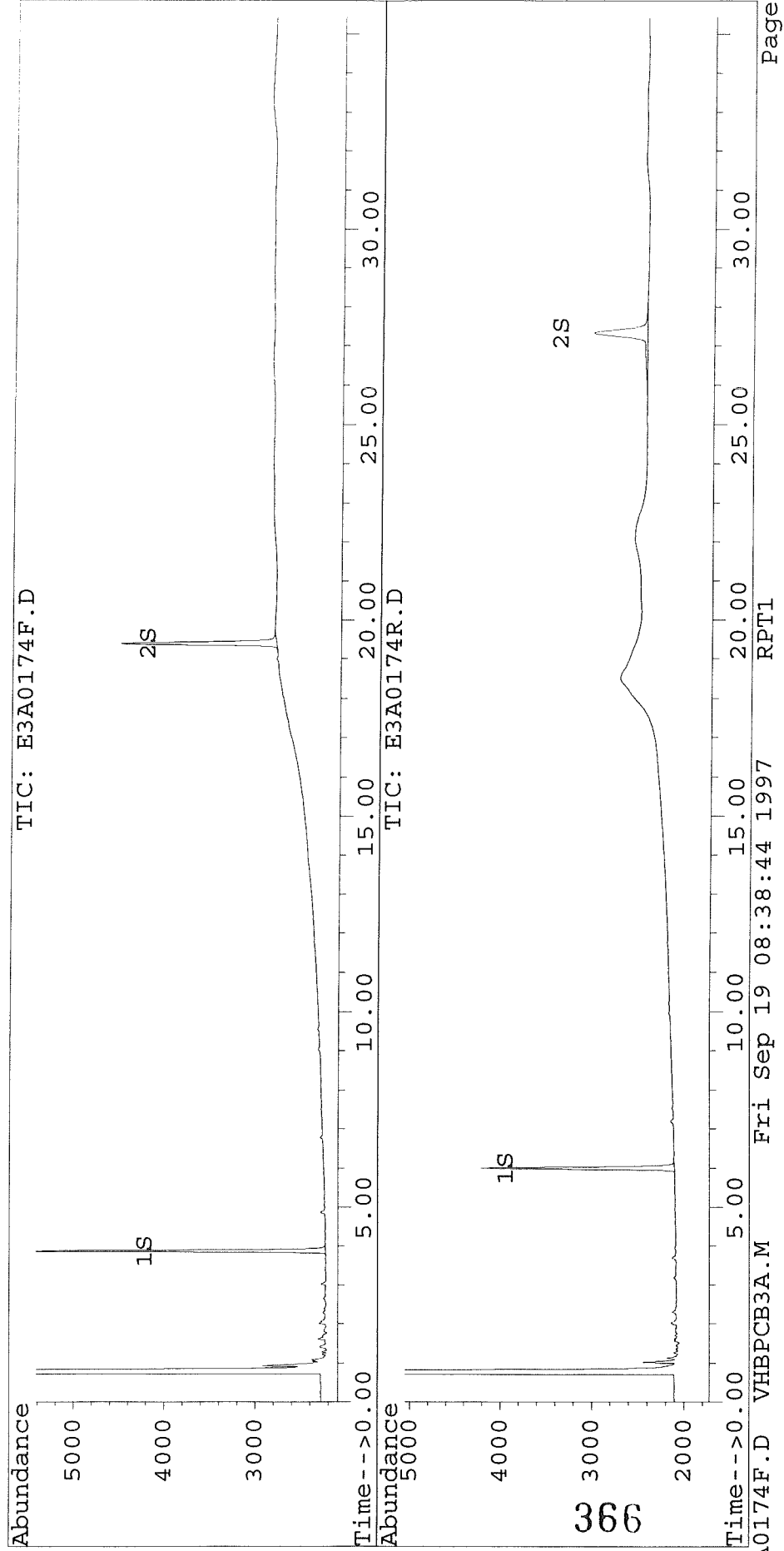
Volume Inj. : 2.0 UL
 Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
 Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0174F.D\E3A0174R.D
Acq On : 18 Sep 97 04:49 PM Operator: JS/GML
Sample : D1414-60,GERB-6,P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E3A0175F.D Vial: 38
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0175F.D\E3A0175R.D
 Acq On : 18 Sep 97 05:28 PM Operator: JS/GML
 Sample : D1414-61,BERB-4,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylen	3.86	6.01	115226	86909	18.103	18.756
			Recovery	=	90.52%	93.78%
2) S Decachlorobiphenyl	19.38	27.34f	78942	54320	9.785m	9.021m
			Recovery	=	48.93%	45.11%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 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.	N.D.
6) L1 Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0175F.D Vial: 38
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0175F.D\E3A0175R.D
 Acq On : 18 Sep 97 05:28 PM Operator: JS/GML
 Sample : D1414-61, BERB-4, P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

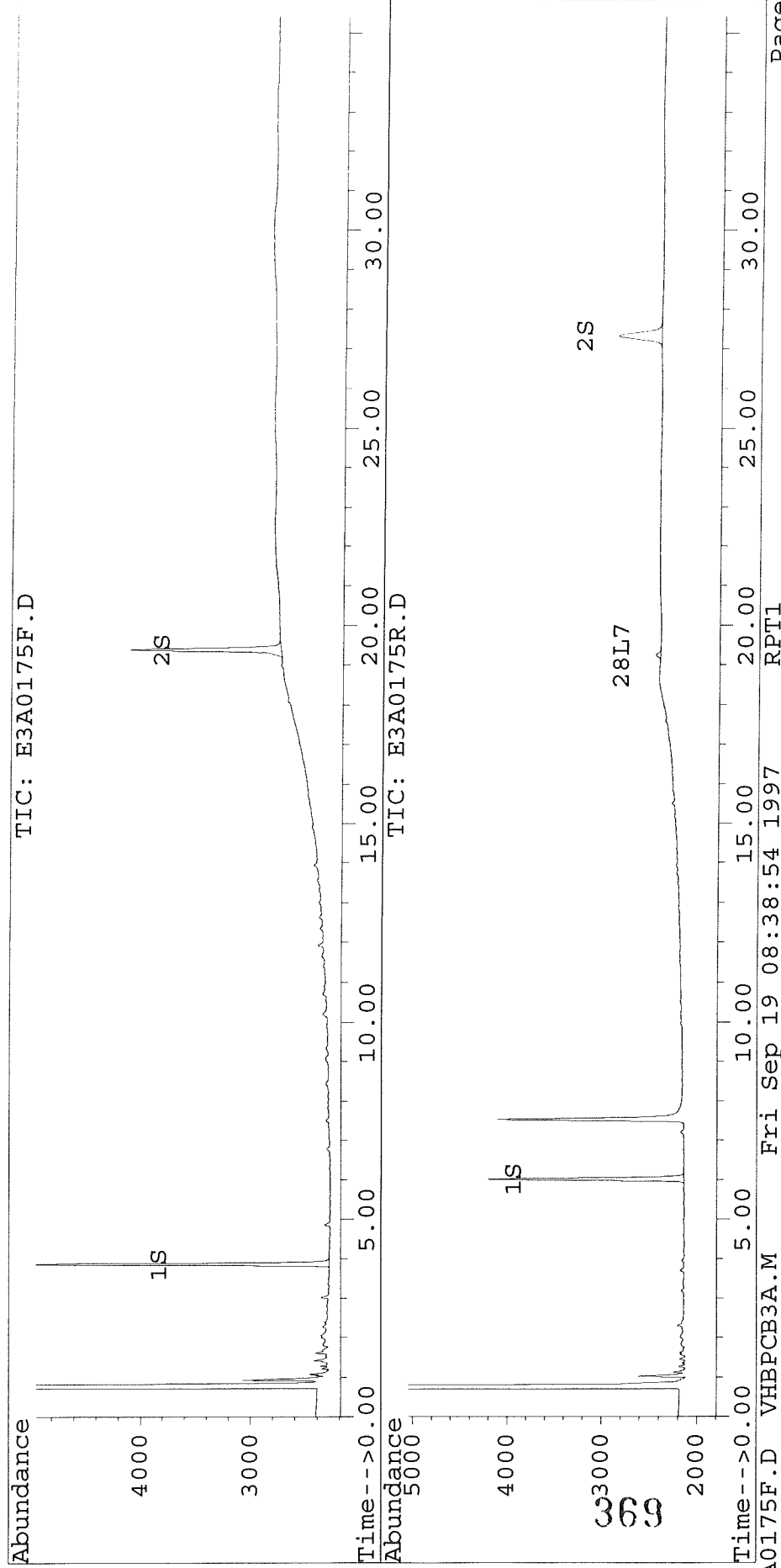
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	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	19.25f	0	51	N.D.	2.800 #
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	51	N.D.	2.800
Average Aroclor-1260					0.000	2.800

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0175F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0175R.D
Acq On : 18 Sep 97 05:28 PM Operator: JS/GML
Sample : D1414-61, BERB-4, P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0176F.D Vial: 39
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0176F.D\E3A0176R.D
 Acq On : 18 Sep 97 06:05 PM Operator: JS/GML
 Sample : D1414-62,BERB-5,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.01	117394	89443	18.444	19.303
			Recovery	=	92.22%✓	96.52%
2) S Decachlorobiphenyl	19.38	27.33f	80737	55047	10.007	9.142m
			Recovery	=	50.04%	45.71%✓
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) 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.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0176F.D Vial: 39
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0176F.D\E3A0176R.D
 Acq On : 18 Sep 97 06:05 PM Operator: JS/GML
 Sample : D1414-62,BERB-5,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

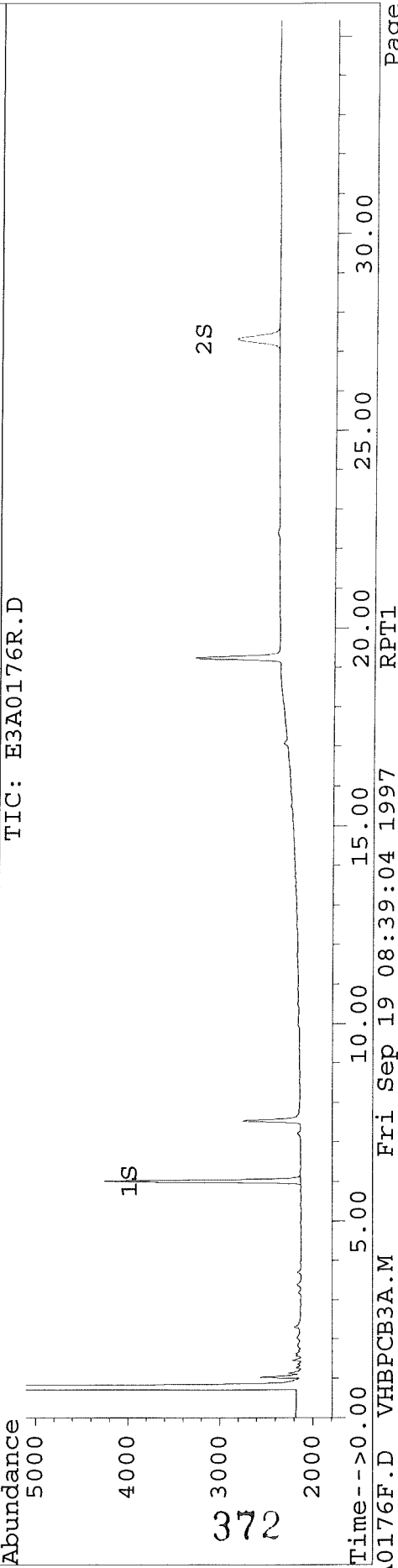
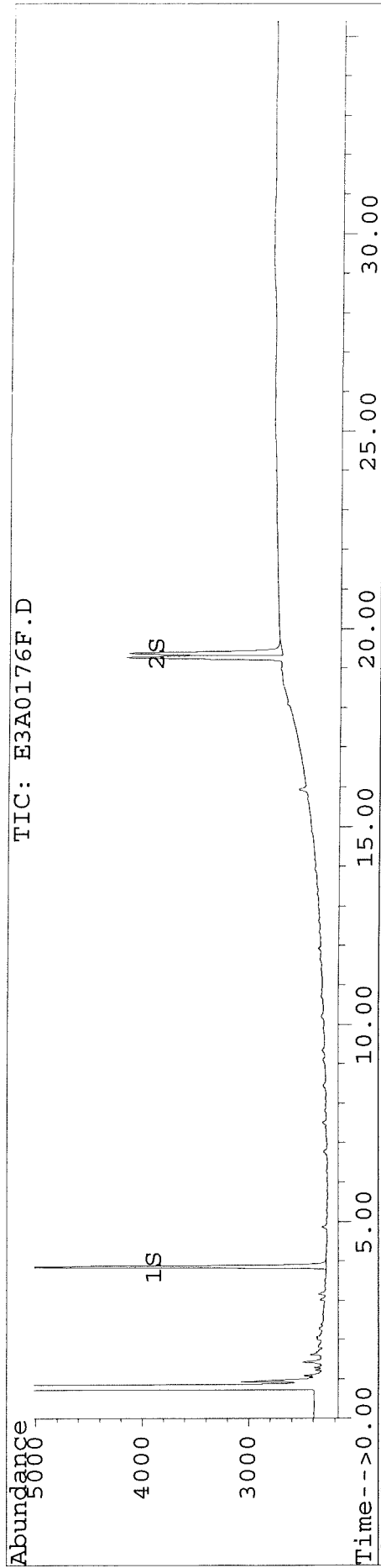
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	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.	N.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\SEP97\970918\E3A0176F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0176F.D
Acq On : 18 Sep 97 06:05 PM Operator: JS/GML
Sample : D1414-62, BERB-5, P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E3A0177F.D Vial: 40
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0177F.D\E3A0177R.D
 Acq On : 18 Sep 97 06:43 PM Operator: JS/GML
 Sample : D1414-63, BERB-6, P0918-B1 Inst : E3
 Misc : 0,,,1,,10000,1000,,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:36 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
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System Monitoring Compounds

1) S	Tetrachloro-m-xylen	3.85	6.01	122724	93424	19.282	20.162
				Recovery	=	96.41%	100.81%
2) S	Decachlorobiphenyl	19.38	27.33f	94286	65468	11.686	10.873m
				Recovery	=	58.43%	54.36%

Target Compounds

3)	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4)	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}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4	Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0177F.D Vial: 40
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0177F.D\E3A0177R.D
 Acq On : 18 Sep 97 06:43 PM Operator: JS/GML
 Sample : D1414-63, BERB-6, P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:36 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	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.d	N.D.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

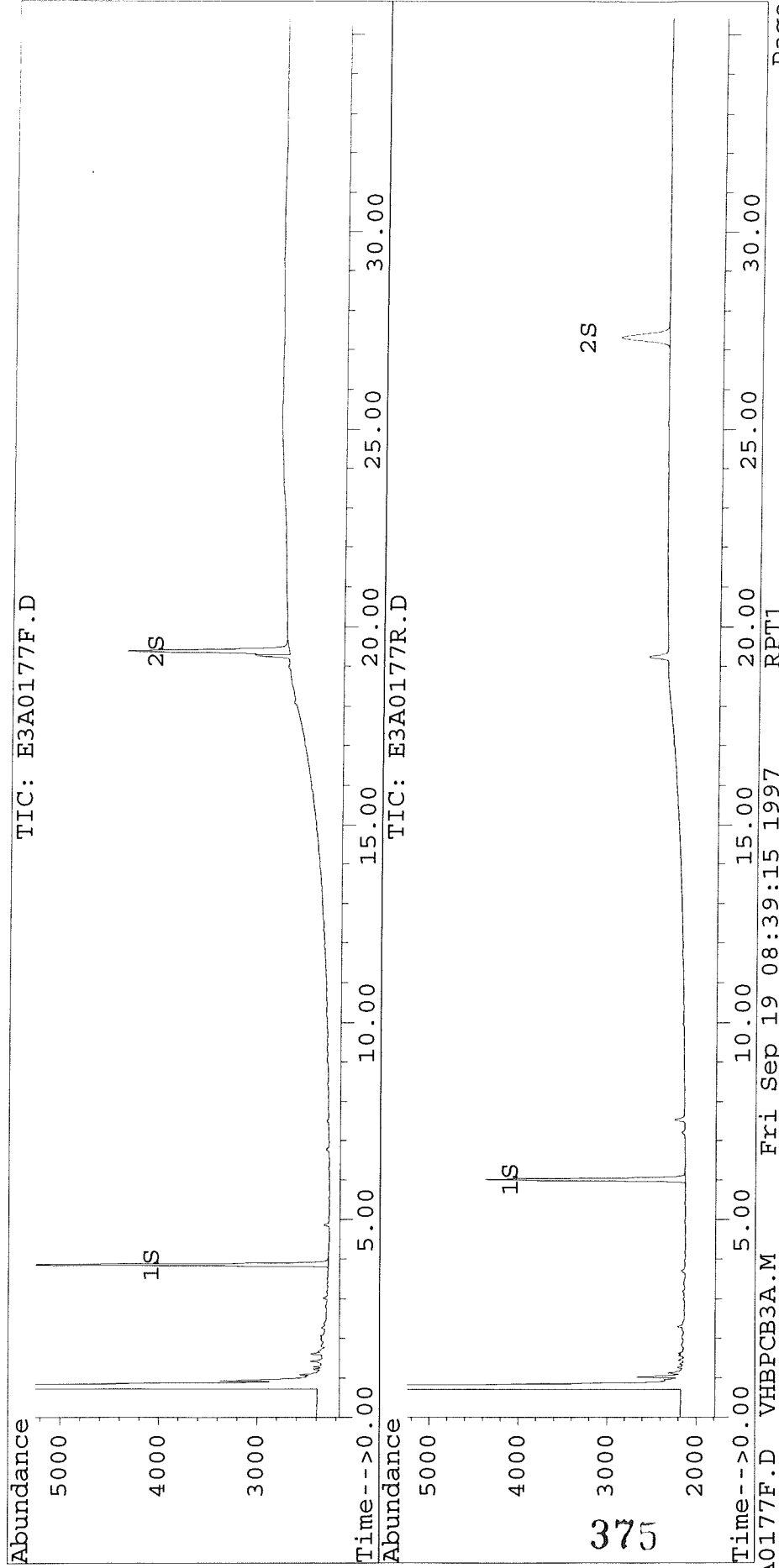
374

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0177F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0177R.D
Acq On : 18 Sep 97 06:43 PM Operator: JS/GML
Sample : D1414-63, BERB-6, P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:36 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E3A0183F.D Vial: 46
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0183F.D\E3A0183R.D
 Acq On : 18 Sep 97 10:31 PM Operator: JS/GML
 Sample : D1414-64,WB-2,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000

System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.02	129215	96126	20.301	20.745
			Recovery	=	101.51% ✓	103.73%
2) S Decachlorobiphenyl	19.38	27.34f	139264	98447	17.261	16.350
			Recovery	=	86.30%	81.75% ✓
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 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}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0183F.D Vial: 46
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0183F.D\E3A0183R.D
 Acq On : 18 Sep 97 10:31 PM Operator: JS/GML
 Sample : D1414-64,WB-2,P0918-B1 Inst : E3
 Misc : 0,,1,,10000,1000,,,,18-SEP-97,11-SEP-97 Multiplr: 1.00
 Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

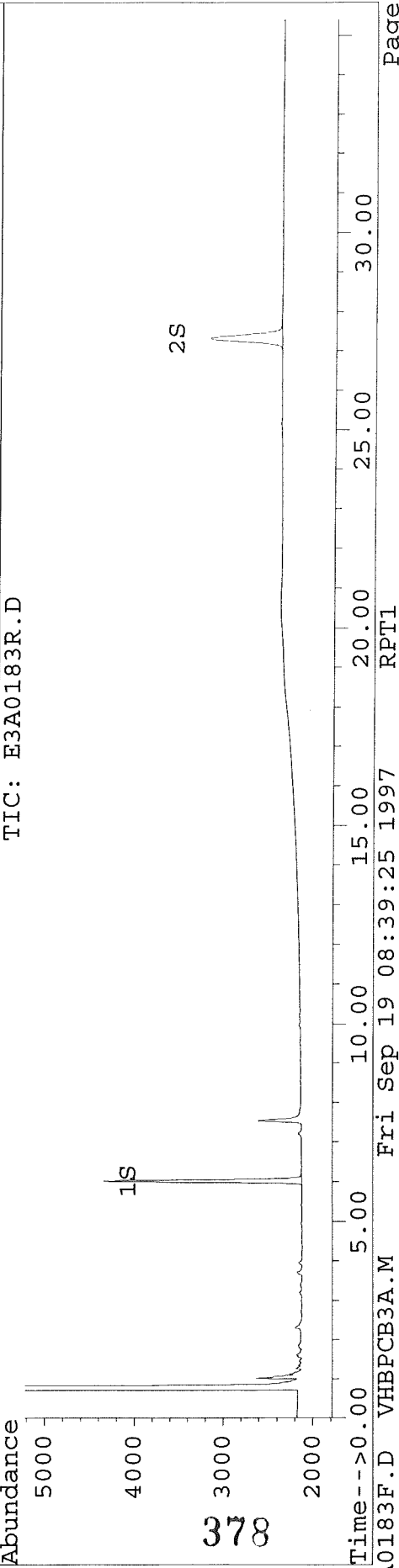
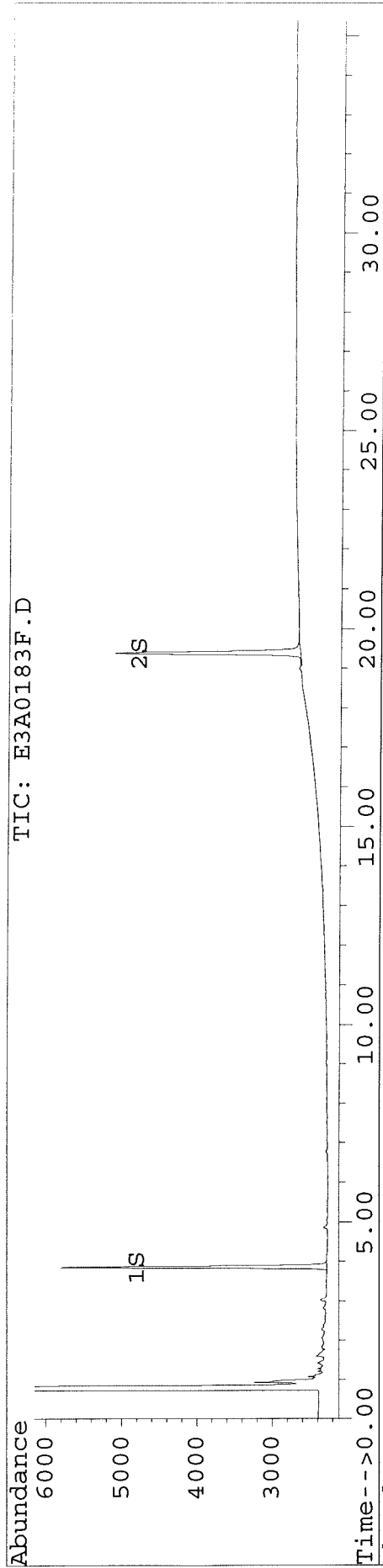
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	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

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Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0183F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0183F.D\E3A0183R.D
Acq On : 18 Sep 97 10:31 PM Operator: JS/GML
Sample : D1414-64, WB-2, P0918-B1 Inst : E3
Misc : 0,,1,,10000,1000,,18-SEP-97,11-SEP-97 Multiplr: 1.00
Quant Time: Sep 19 8:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\SEP97\970918\E3A0184F.D Vial: 47
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0184F.D\E3A0184R.D
 Acq On : 18 Sep 97 11:09 PM Operator: JS/GML
 Sample : P0918-B1,PBLK02,P0918-B1 Inst : E3
 Misc : 3,,BLANK,1,,10000,1000,,,,,18-SEP-97, Multiplr: 1.00
 Quant Time: Sep 19 8:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.01	125954	94532	19.789	20.401
			Recovery	=	98.95%	102.01%
2) S Decachlorobiphenyl	19.39	27.34f	141161	98360	17.496	16.335
			Recovery	=	87.48%	81.68%
Target Compounds						
3) 2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) 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.	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.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0184F.D Vial: 47
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0184F.D\E3A0184R.D
 Acq On : 18 Sep 97 11:09 PM Operator: JS/GML
 Sample : P0918-B1,PBLK02,P0918-B1 Inst : E3
 Misc : 3,,BLANK,1,,10000,1000,,,,,18-SEP-97, Multiplr: 1.00
 Quant Time: Sep 19 8:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	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.d	N.D.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

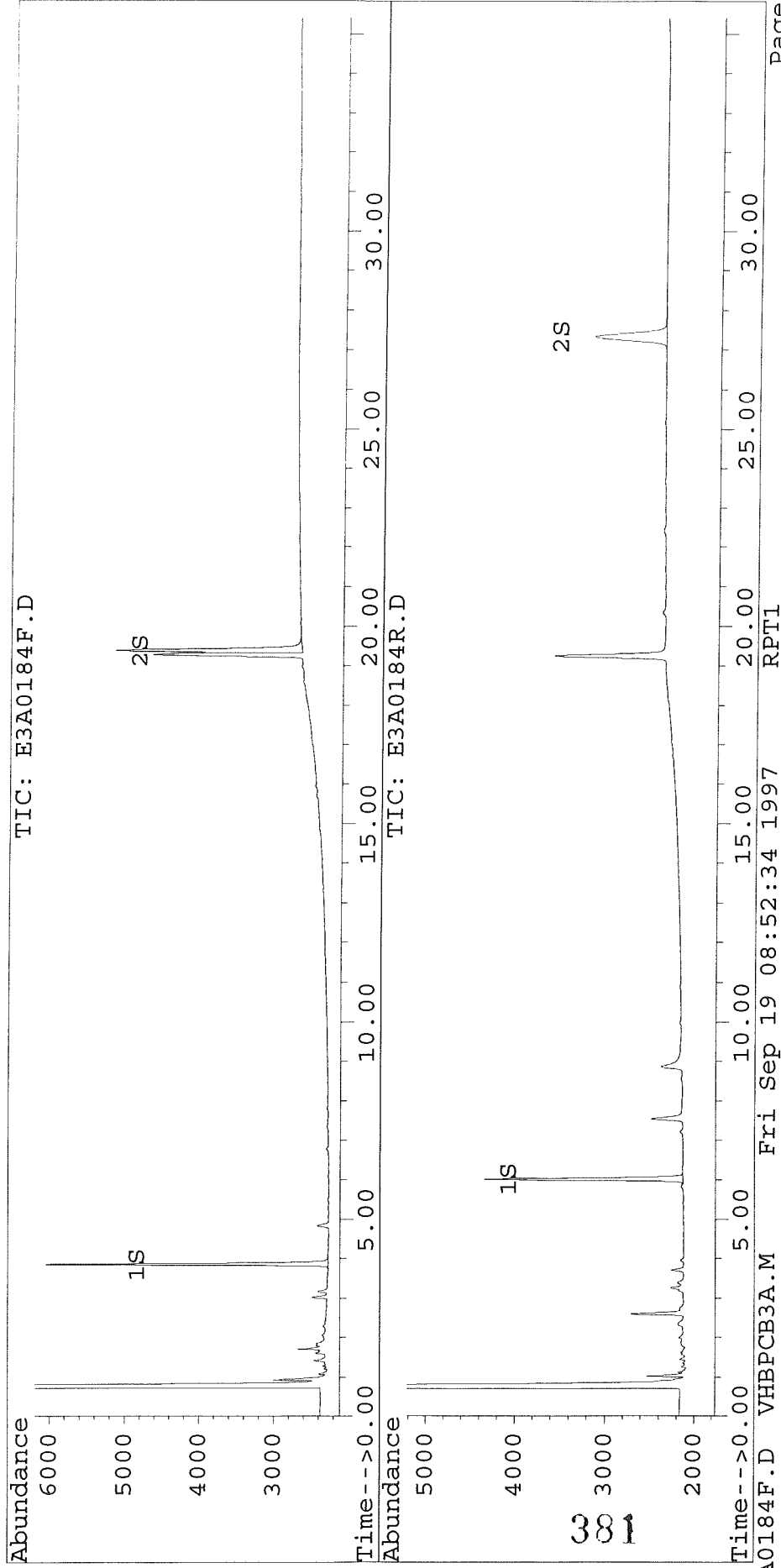
380

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0184F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0184F.D\E3A0184R.D
Acq On : 18 Sep 97 11:09 PM Operator: JS/GML
Sample : P0918-B1,PBLK02,P0918-B1 Inst : E3
Misc : 3,,BLANK,1,,10000,1000,,,,,18-SEP-97, Multiplr: 1.00
Quant Time: Sep 19 8:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
Title : VHB PCB ICAL run 9/16-9/17/97
Last Update : Wed Sep 17 16:57:38 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\SEP97\970918\E3A0185F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0185F.D\E3A0185R.D
 Acq On : 18 Sep 97 11:47 PM Operator: JS/GML
 Sample : P0918-LCS1,PLCS02,P0918-B1 Inst : E3
 Misc : 3,,BLANK,1,,10000,1000,,,,,18-SEP-97, Multiplr: 1.00
 Quant Time: Sep 19 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
System Monitoring Compounds						
1) S Tetrachloro-m-xylene	3.86	6.01	118722	89728	18.653	19.365
			Recovery	=	93.27%	96.82%
2) S Decachlorobiphenyl	19.39	27.34f	153167	96122	18.985	15.963
			Recovery	=	94.93%	79.82%
Target Compounds						
3) 2,4,4'-Trichlorobip	7.50	10.51	58832	30249	1219.004	1196.402 ¹²
4) 2,2',3,3',4,4'-Hexa	14.88	18.89	108696	54038	1247.843	1206.441
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.d	N.D.d
Total Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2 Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3 Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
18) L4 Aroclor 1242 {5}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0185F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0185F.D\E3A0185R.D
 Acq On : 18 Sep 97 11:47 PM Operator: JS/GML
 Sample : P0918-LCS1,PLCS02,P0918-B1 Inst : E3
 Misc : 3,,BLANK,1,,10000,1000,,,,,18-SEP-97, Multiplr: 1.00
 Quant Time: Sep 19 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 1997
 Response via : Multiple Level Calibration

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

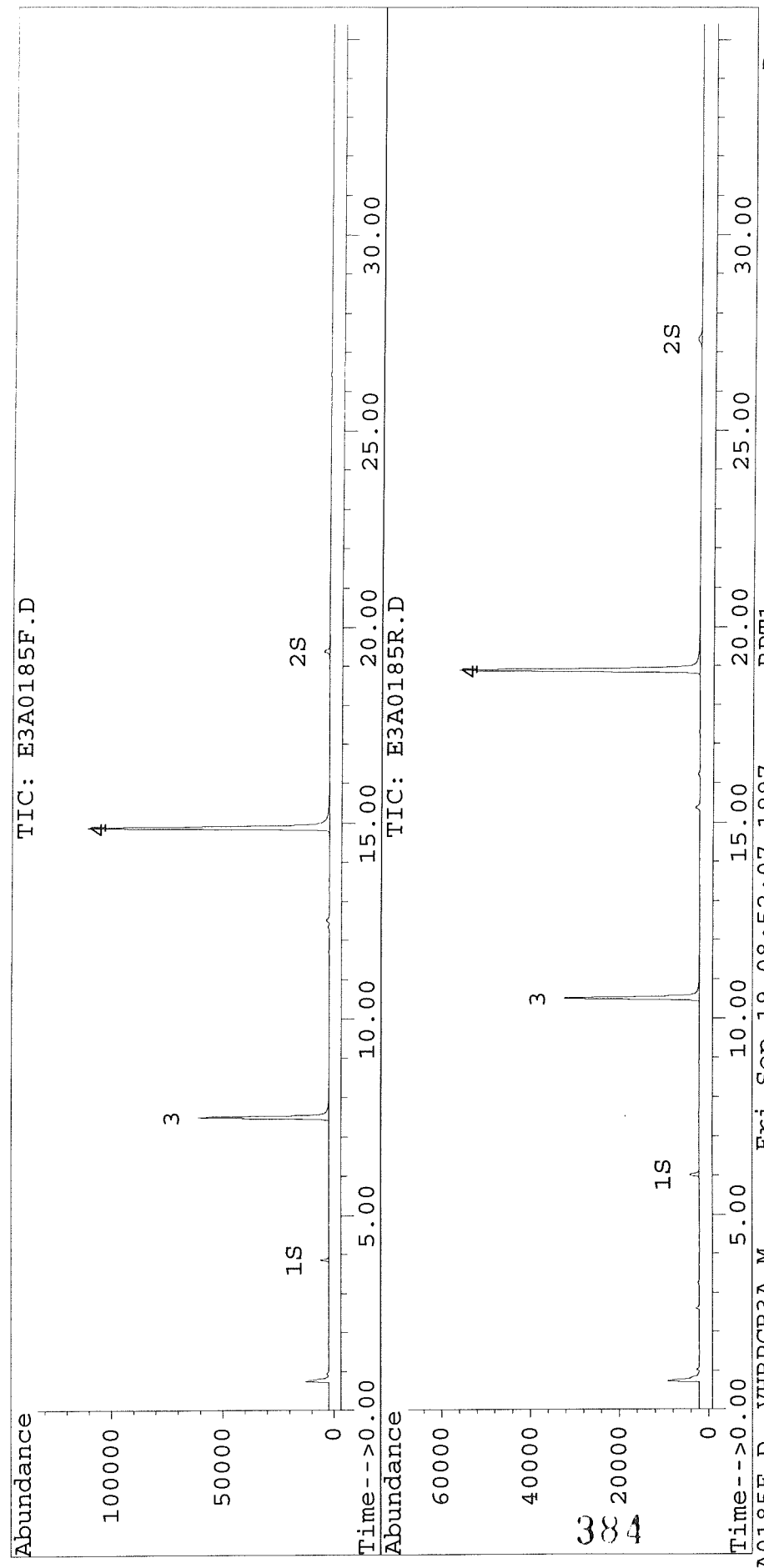
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	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\SEP97\970918\E3A0185F.D Vial: 48
 Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0185F.D\E3A0185R.D
 Acq On : 18 Sep 97 11:47 PM Operator: JS/GML
 Sample : P0918-LCS1,PLCS02,P0918-B1 Inst : E3
 Misc : 3,,BLANK,1,,10000,1000,,18-SEP-97, Multiplr: 1.00
 Quant Time: Sep 19 8:46 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB3A.M
 Title : VHB PCB ICAL run 9/16-9/17/97
 Last Update : Wed Sep 17 16:57:38 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



Last Page of Data Report