SR-28-0143

Appendix M - PCB Cleanup Verification Report, 1 of 1

Boliden Metech Allens Avenue Facility

Laboratory Analytical Results, Sampling Round 7

434 Allens Avenue
Providence,
Rhode Island

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

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

March 1998

Continuing Calibration

Instrument E3

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D\E3A0148R.D
Acq On : 17 Sep 97 06:47 PM Operator: JS
Sample : AR1248AA,AR1248AA,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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-xylen	3.85	6.01	132103	99271	20.755	21.424	
					Recovery	=	103.78%	107.12%	
2)	S	Decachlorobiphenyl	19.39	27.35f	203840	138017	25.265	22.921	
					Recovery	=	126.33%	114.61%	
		Target Compounds							
3)		2,4,4'-Trichlorobip	7.50	10.49	5651	2436	117.087	96.367	
4)		2,2',3,3',4,4'-Hexa	14.89	18.90	252	138	2.892	3.085	
5)	L1	Aroclor-1016	6.28	9.37	2726	1464	150.475	153.470	
6)	L1	Aroclor-1016 {2}	6.90	10.03	924	529	117.837	156.588	#
7)	L1	Aroclor-1016 {3}	7.50	10.49	5651	2436	196.776	197.006	
	Total	Aroclor-1016			9301	4430	465.088	507.064	
Average		Aroclor-1016					155.029	169.021	
8)	L2	Aroclor-1221	3.17f	0.00	83	0	13.127	N.D.	#
9)	L2	Aroclor-1221 {2}	4.77	7.39	43	24	7.779	7.654	
10)	L2	Aroclor-1221 {3}	5.30	8.06	398	201	28.361	29.657	
	Total	Aroclor-1221			524	225	49.267	37.311	
Average		Aroclor-1221					16.422	18.656	
11)	L3	Aroclor-1232	5.30	8.06	398	201	31.329	31.565	
12)	L3	Aroclor-1232 {2}	6.28	9.37	2726	1464	313.639	302.540	
13)	L3	Aroclor-1232 {3}	7.50	10.49	5651	2436	412.534	401.490	
	Total	Aroclor-1232			8774	4102	757.502	735.595	
Average		Aroclor-1232					252.501	245.198	
14)	L4	Aroclor-1242	6.28	9.37	2726	1464	114.313	114.882	
15)	L4	Aroclor-1242 {2}	7.50	10.28	5651	536	140.118	80.927	#
16)	L4	Aroclor-1242 {3}	7.84	10.49	1958	2436	118.282	140.222	
17)	L4	Aroclor 1242 {4}	8.12	11.01	2197	976	146.249	111.706	
18)	L4	Aroclor 1242 {5}	8.44	0.00	5799	0	347.723	N.D.	#
	Total	Aroclor-1242			18330	5413	866.686	447.736	
Average		Aroclor-1242					173.337	111.934	
19)	L5	Aroclor-1248	9.09	12.88	5737	2094	386.253	383.132	
20)	L5	Aroclor-1248 {2}	9.34	13.29	5079	2855	387.045	403.424	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0148F.D VHBPCB3A.M Thu Sep 18 08:29:47 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D\E3A0148R.D
Acq On : 17 Sep 97 06:47 PM Operator: JS
Sample : AR1248AA,AR1248AA,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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}	10.20	13.48	6890	3133	407.895	397.513
Total	Aroclor-1248			17705	8082	1181.194	1184.069
Average	Aroclor-1248					393.731	394.690
22) L6	Aroclor-1254	11.64	15.18	1963	1095	91.563	84.395
23) L6	Aroclor-1254 {2}	11.93	15.50	3165	1887	75.645	75.583
24) L6	Aroclor-1254 {3}	12.34	15.86	1495	1165	70.687	80.123
25) L6	Aroclor 1254 {4}	12.62	16.04	2022	201	83.616	19.126 #
26) L6	Aroclor 1254 {5}	12.99	0.00	294	0	16.424	N.D. #
Total	Aroclor-1254			8938	4348	337.935	259.226
Average	Aroclor-1254					67.587	64.807
27) L7	Aroclor-1260	14.89	18.78	252	60	13.685	6.570 #
28) L7	Aroclor-1260 {2}	15.70	19.20	117	72	3.571	3.964
29) L7	Aroclor-1260 {3}	16.64	20.92	189	30	8.378	3.377 #
Total	Aroclor-1260			558	161	25.634	13.911
Average	Aroclor-1260					8.545	4.637

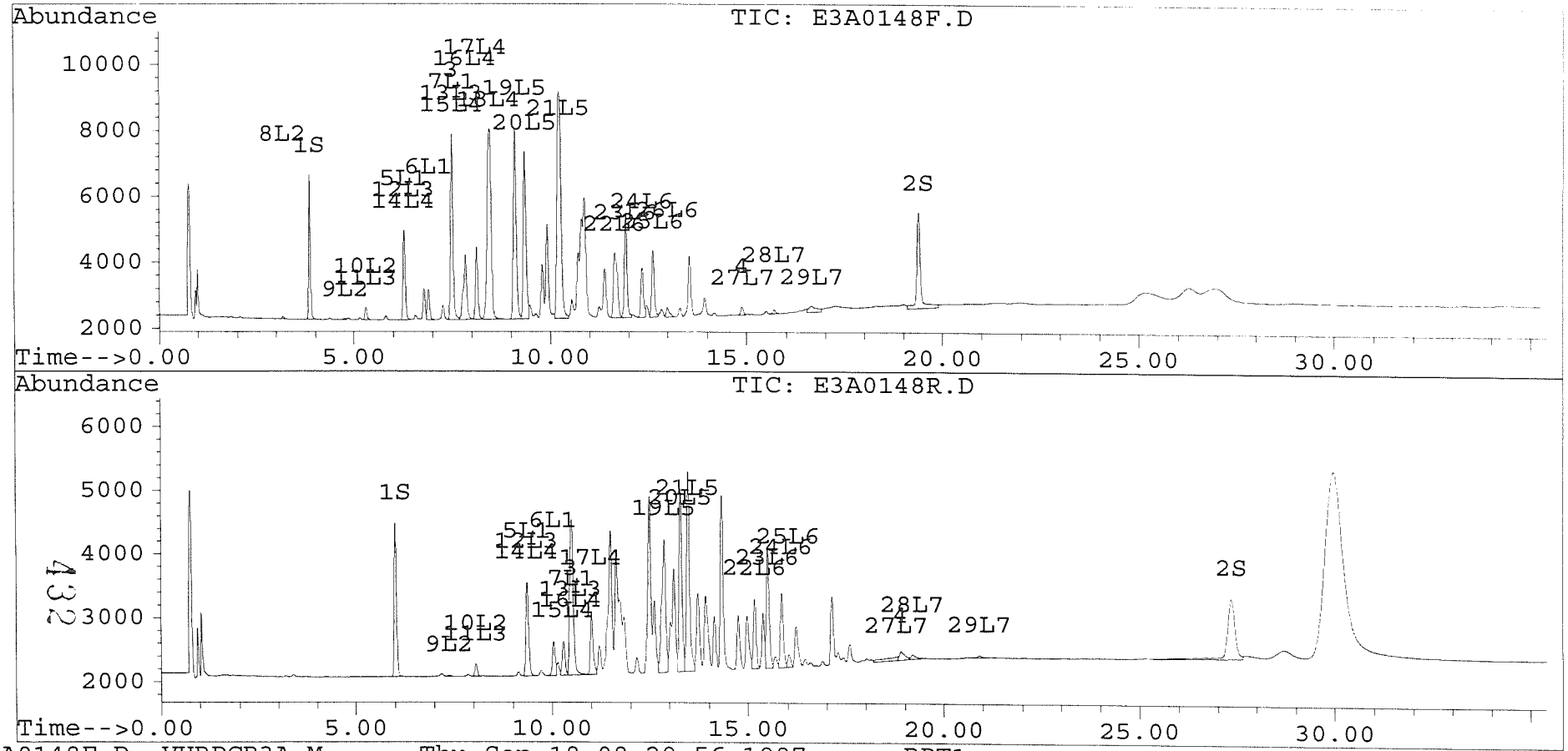
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0148F.D\E3A0148R.D
Acq On : 17 Sep 97 06:47 PM Operator: JS
Sample : AR1248AA,AR1248AA,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0149F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0149F.D\E3A0149R.D
Acq On : 17 Sep 97 07:25 PM Operator: JS
Sample : COGAA,COGAA,COG.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	3.86	6.02	66752	50988	10.488	11.004
					Recovery	=	52.44%	55.02%
2)	S	Decachlorobiphenyl	19.39	0.00	96859	0	12.005	N.D. #
					Recovery	=	60.03%	0.00%
		Target Compounds						
3)		2,4,4'-Trichlorobip	7.50	10.52	54567	28098	1130.638	1111.320
4)		2,2',3,3',4,4'-Hexa	14.89	18.89	93119	46462	1069.026	1037.302
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}	7.50	10.52	54567	28098	1900.147	2271.916
	Total	Aroclor-1016			54567	28098	1900.147	2271.916
	Average	Aroclor-1016					1900.147	2271.916
8)	L2	Aroclor-1221	3.17f	0.00	81	0	12.884	N.D. #
9)	L2	Aroclor-1221 {2}	4.76	7.38	151	78	27.548	24.766
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			232	78	40.431	24.766
	Average	Aroclor-1221					20.216	24.766
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}	7.50	10.52	54567	28098	3983.585	4630.075
	Total	Aroclor-1232			54567	28098	3983.585	4630.075
	Average	Aroclor-1232					3983.585	4630.075
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	7.50	0.00	54567	0	1353.030	N.D. #
16)	L4	Aroclor-1242 {3}	0.00	10.52	0	28098	N.D.	1617.076 #
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			54567	28098	1353.030	1617.076
	Average	Aroclor-1242					1353.030	1617.076
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D\E3A0150R.D
Acq On : 17 Sep 97 08:03 PM Operator: JS
Sample : AR1242AA,AR1242AA,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	3.85	6.01	135378	101002	21.270	21.797	
					Recovery	=	106.35%	108.99%	
2)	S	Decachlorobiphenyl	19.38	27.34f	169543	120219	21.014	19.966	
					Recovery	=	105.07%	99.83%	
		Target Compounds							
3)		2,4,4'-Trichlorobip	7.50	10.50	8784	3729	182.008	147.477	
4)		2,2',3,3',4,4'-Hexa	14.89	18.90	75	49	0.863	1.085	#
5)	L1	Aroclor-1016	6.28	9.37	5141	2731	291.127	294.147	
6)	L1	Aroclor-1016 {2}	6.90	10.03	2326	1004	296.618	296.867	
7)	L1	Aroclor-1016 {3}	7.50	10.50	8784	3729	305.883	301.494	
		Total Aroclor-1016			16251	7463	893.628	892.508	
		Average Aroclor-1016					297.876	297.503	
8)	L2	Aroclor-1221	3.16	5.26	123	44	19.490	14.362	#
9)	L2	Aroclor-1221 {2}	4.77	7.39	625	353	114.132	112.682	
10)	L2	Aroclor-1221 {3}	5.30	8.06	3365	1733	239.818	255.626	
		Total Aroclor-1221			4113	2130	373.440	382.670	
		Average Aroclor-1221					124.480	127.557	
11)	L3	Aroclor-1232	5.30	8.06	3365	1733	276.829	285.214	
12)	L3	Aroclor-1232 {2}	6.28	9.37	5141	2731	629.526	600.304	
13)	L3	Aroclor-1232 {3}	7.50	10.50	8784	3729	641.271	614.433	
		Total Aroclor-1232			17290	8193	1547.626	1499.951	
		Average Aroclor-1232					515.875	499.984	
14)	L4	Aroclor-1242	6.28	9.37	5141	2731	222.025	220.898	
15)	L4	Aroclor-1242 {2}	7.50	10.28	8784	1394	217.809	210.422	
16)	L4	Aroclor-1242 {3}	7.84	10.50	3575	3729	215.979	214.594	
17)	L4	Aroclor 1242 {4}	8.12	11.01	3238	1915	215.499	219.108	
18)	L4	Aroclor 1242 {5}	8.45	11.42	3879	1604	224.810	219.184	
		Total Aroclor-1242			24617	11372	1096.122	1084.206	
		Average Aroclor-1242					219.224	216.841	
19)	L5	Aroclor-1248	9.09	12.88	3860	1336	255.017	239.060	
20)	L5	Aroclor-1248 {2}	9.34	13.29	3302	1751	247.237	241.775	

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D\E3A0150R.D
Acq On : 17 Sep 97 08:03 PM Operator: JS
Sample : AR1242AA,AR1242AA,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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
1) L5 Aroclor-1248 {3}	10.20	13.48	4093	2116	237.497	263.253
Total Aroclor-1248			11255	5203	739.751	744.089
Average Aroclor-1248					246.584	248.030
22) L6 Aroclor-1254	11.64	15.17	791	442	36.916	33.572
23) L6 Aroclor-1254 {2}	11.92	15.50	1269	764	30.324	30.228
24) L6 Aroclor-1254 {3}	12.34	15.85	678	444	31.685	30.102
25) L6 Aroclor 1254 {4}	12.62	16.04	765	68	31.638	6.393 #
26) L6 Aroclor 1254 {5}	12.99	0.00	116	0	6.457	N.D. #
Total Aroclor-1254			3619	1718	137.021	100.295
Average Aroclor-1254					27.404	25.074
27) L7 Aroclor-1260	14.89	18.78	75	27	4.082	2.931 #
28) L7 Aroclor-1260 {2}	15.70	19.20	29	16	0.895	0.898
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			104	43	4.977	3.829
Average Aroclor-1260					2.488	1.915

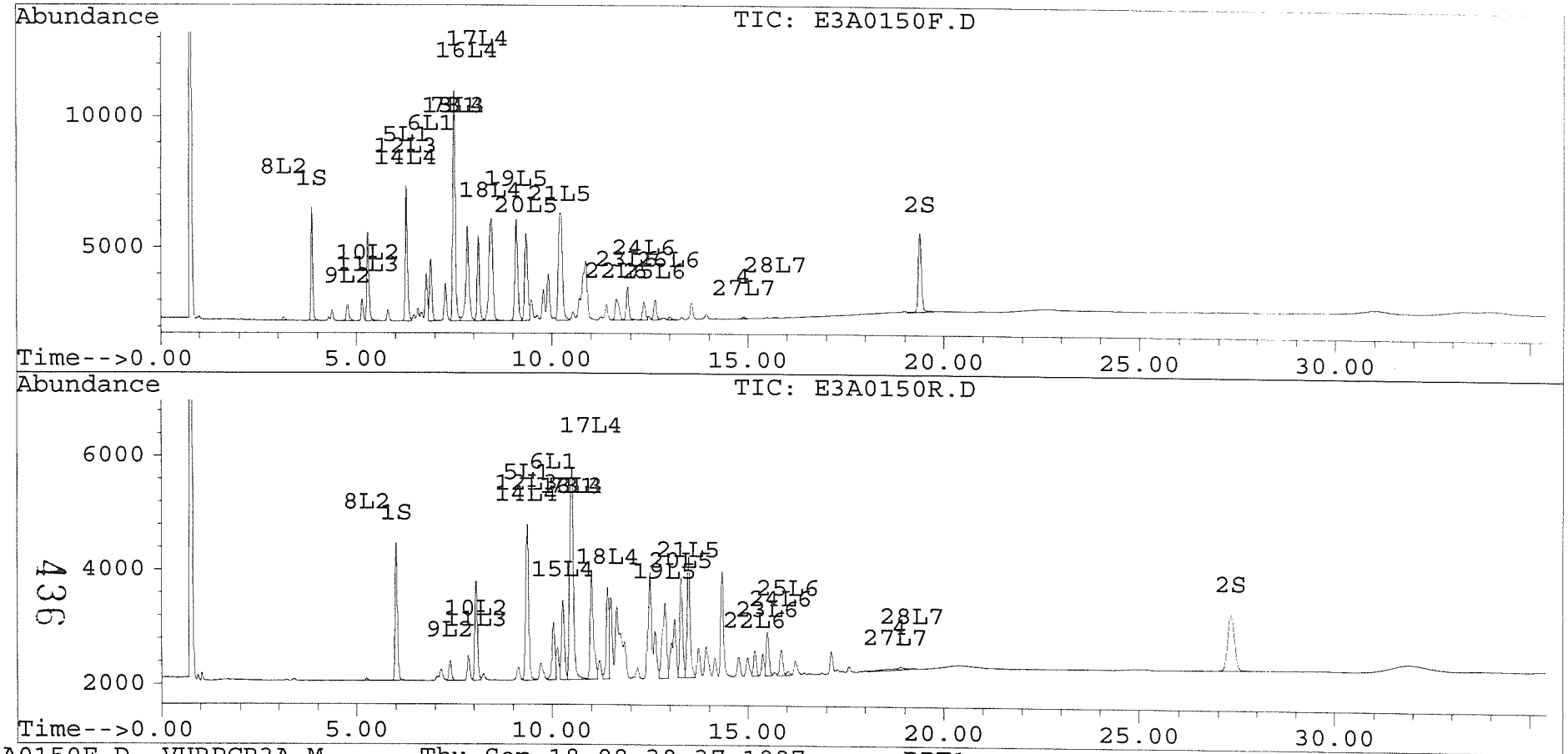
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0150F.D\E3A0150R.D
Acq On : 17 Sep 97 08:03 PM Operator: JS
Sample : AR1242AA,AR1242AA,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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



436

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D\E3A0151R.D
Acq On : 17 Sep 97 08:41 PM Operator: JS
Sample : AR1254AA,AR1254AA,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	3.86	6.01	136224	101282	21.403	21.858
					Recovery	=	107.02%	109.29%
2)	S	Decachlorobiphenyl	19.38	0.00	185808	0	23.030	N.D. #
					Recovery	=	115.15%	0.00%
		Target Compounds						
3)		2,4,4'-Trichlorobip	7.50	10.50	276	119	5.719	4.708
4)		2,2',3,3',4,4'-Hexa	14.89	18.90	2755	1536	31.624	34.299
5)	L1	Aroclor-1016	6.28	9.38	155	76	8.341	7.708
6)	L1	Aroclor-1016 {2}	6.91	10.04	57	25	7.207	7.265
7)	L1	Aroclor-1016 {3}	7.50	10.50	276	119	9.612	9.625
	Total	Aroclor-1016			487	219	25.160	24.599
Average		Aroclor-1016					8.387	8.200
8)	L2	Aroclor-1221	3.17f	0.00	78	0	12.322	N.D. #
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10)	L2	Aroclor-1221 {3}	5.31	8.07	70	33	4.959	4.907
	Total	Aroclor-1221			148	33	17.281	4.907
Average		Aroclor-1221					8.641	4.907
11)	L3	Aroclor-1232	5.31	8.07	70	33	5.453	5.198
12)	L3	Aroclor-1232 {2}	6.28	9.38	155	76	16.871	14.762
13)	L3	Aroclor-1232 {3}	7.50	10.50	276	119	20.151	19.616
	Total	Aroclor-1232			501	228	42.476	39.576
Average		Aroclor-1232					14.159	13.192
14)	L4	Aroclor-1242	6.28	9.38	155	76	6.314	5.753
15)	L4	Aroclor-1242 {2}	7.50	10.29	276	32	6.844	4.862 #
16)	L4	Aroclor-1242 {3}	7.84	10.50	99	119	5.976	6.851
17)	L4	Aroclor 1242 {4}	8.13	11.02	95	43	6.290	4.939
18)	L4	Aroclor 1242 {5}	8.42f	0.00	3466	0	199.445	N.D. #
	Total	Aroclor-1242			4090	270	224.870	22.405
Average		Aroclor-1242					44.974	5.601
19)	L5	Aroclor-1248	9.09	12.89	2098	472	136.310	82.466 #
20)	L5	Aroclor-1248 {2}	9.34	13.30	951	1549	69.828	213.144 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D\E3A0151R.D
Acq On : 17 Sep 97 08:41 PM Operator: JS
Sample : AR1254AA,AR1254AA,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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

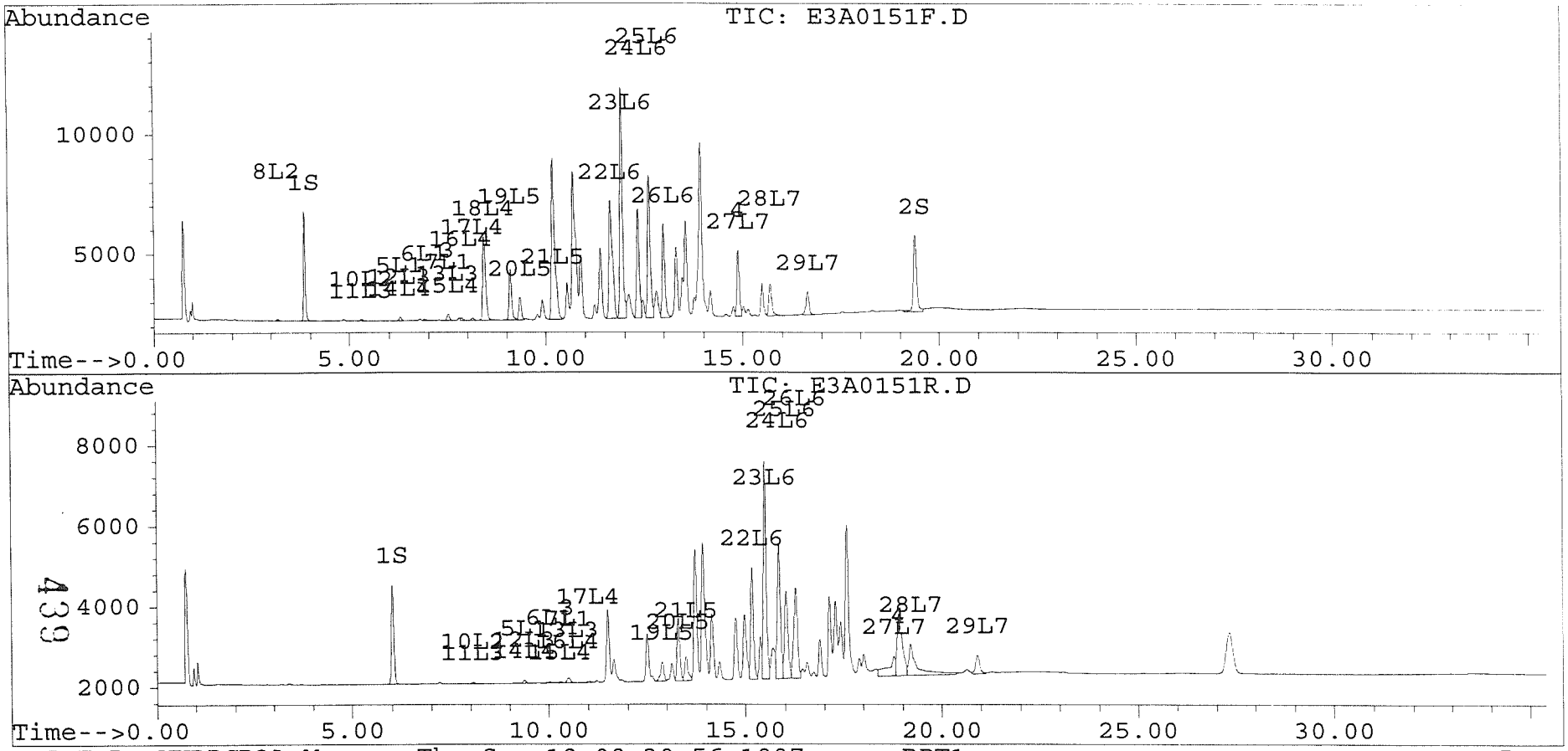
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.49	6696	600	395.840	72.595 #
Total Aroclor-1248			9745	2621	601.778	368.204
Average Aroclor-1248					200.593	122.735
22) L6 Aroclor-1254	11.64	15.17	4896	2778	228.410	223.090
23) L6 Aroclor-1254 {2}	11.93	15.50	9583	5406	229.078	226.288
24) L6 Aroclor-1254 {3}	12.34	15.85	4529	3369	223.990	242.202
25) L6 Aroclor 1254 {4}	12.62	16.04	5926	2184	245.053	221.629
26) L6 Aroclor 1254 {5}	12.99	16.28	3888	2248	231.264	228.145
Total Aroclor-1254			28822	15984	1157.795	1141.354
Average Aroclor-1254					231.559	228.271
27) L7 Aroclor-1260	14.89	18.78	2755	487	149.645	53.148 #
28) L7 Aroclor-1260 {2}	15.69	19.20	1316	780	40.280	43.159
29) L7 Aroclor-1260 {3}	16.64	20.91	978	462	43.240	52.922
Total Aroclor-1260			5049	1730	233.165	149.229
Average Aroclor-1260					77.722	49.743

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0151F.D\E3A0151R.D
Acq On : 17 Sep 97 08:41 PM Operator: JS
Sample : AR1254AA,AR1254AA,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D\E3A0152R.D
Acq On : 17 Sep 97 09:19 PM Operator: JS
Sample : AR1660AA,AR1660AA,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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	3.85	6.01	140222	103405	22.031	22.316	
					Recovery	=	110.16%	111.58%	
2)	S	Decachlorobiphenyl	19.39	27.35f	182926	131727	22.673	21.877	
					Recovery	=	113.37%	109.39%	
		Target Compounds							
3)		2,4,4'-Trichlorobip	7.50	10.50	11501	4801	238.304	189.889	
4)		2,2',3,3',4,4'-Hexa	14.89	18.91	6990	1093	80.241	24.404	#
5)	L1	Aroclor-1016	6.28	9.37	6712	3508	386.917	384.619	
6)	L1	Aroclor-1016 {2}	6.90	10.04	3005	1304	383.117	385.723	
7)	L1	Aroclor-1016 {3}	7.50	10.50	11501	4801	400.492	388.198	
	Total	Aroclor-1016			21218	9613	1170.526	1158.540	
Average		Aroclor-1016					390.175	386.180	
8)	L2	Aroclor-1221	3.17f	5.26	116	28	18.429	9.269	#
9)	L2	Aroclor-1221 {2}	4.77	7.39	681	381	124.514	121.472	
10)	L2	Aroclor-1221 {3}	5.30	8.06	3883	1968	276.725	290.220	
	Total	Aroclor-1221			4681	2377	419.667	420.962	
Average		Aroclor-1221					139.889	140.321	
11)	L3	Aroclor-1232	5.30	8.06	3883	1968	322.102	326.372	
12)	L3	Aroclor-1232 {2}	6.28	9.37	6712	3508	862.889	806.692	
13)	L3	Aroclor-1232 {3}	7.50	10.50	11501	4801	839.617	791.132	
	Total	Aroclor-1232			22097	10277	2024.608	1924.196	
Average		Aroclor-1232					674.869	641.399	
14)	L4	Aroclor-1242	6.28	9.37	6712	3508	295.946	289.506	
15)	L4	Aroclor-1242 {2}	7.50	10.29	11501	1762	285.177	265.947	
16)	L4	Aroclor-1242 {3}	7.84	10.50	4627	4801	279.536	276.307	
17)	L4	Aroclor 1242 {4}	8.12	11.01	4227	2411	281.360	275.926	
18)	L4	Aroclor 1242 {5}	8.46	11.43	5053	2027	298.854	277.074	
	Total	Aroclor-1242			32120	14509	1440.873	1384.761	
Average		Aroclor-1242					288.175	276.952	
19)	L5	Aroclor-1248	9.10	12.89	4698	1476	313.006	265.136	
20)	L5	Aroclor-1248 {2}	9.35	13.30	3707	395	278.603	53.111	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0152F.D VHBPCB3A.M Thu Sep 18 08:31:05 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D\E3A0152R.D
Acq On : 17 Sep 97 09:19 PM Operator: JS
Sample : AR1660AA,AR1660AA,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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
1) L5 Aroclor-1248 {3}	10.18	13.50	3136	755	180.775	91.635 #
Total Aroclor-1248			11541	2626	772.384	409.882
Average Aroclor-1248					257.461	136.627
22) L6 Aroclor-1254	11.65	15.18	753	432	35.144	32.846
23) L6 Aroclor-1254 {2}	11.94	15.49	4931	2692	117.876	108.862
24) L6 Aroclor-1254 {3}	12.35	0.00	7301	0	378.754	N.D. #
25) L6 Aroclor 1254 {4}	12.65	16.04	941	4325	38.926	481.945 #
26) L6 Aroclor 1254 {5}	12.99	16.29	8127	4502	531.172	502.474
Total Aroclor-1254			22054	11951	1101.872	1126.127
Average Aroclor-1254					220.374	281.532
27) L7 Aroclor-1260	14.89	18.78	6990	3220	379.708	351.248
28) L7 Aroclor-1260 {2}	15.70	19.20	12793	6453	391.530	356.990
29) L7 Aroclor-1260 {3}	16.64	20.92	8883	3313	392.750	379.141
Total Aroclor-1260			28666	12986	1163.988	1087.380
Average Aroclor-1260					387.996	362.460

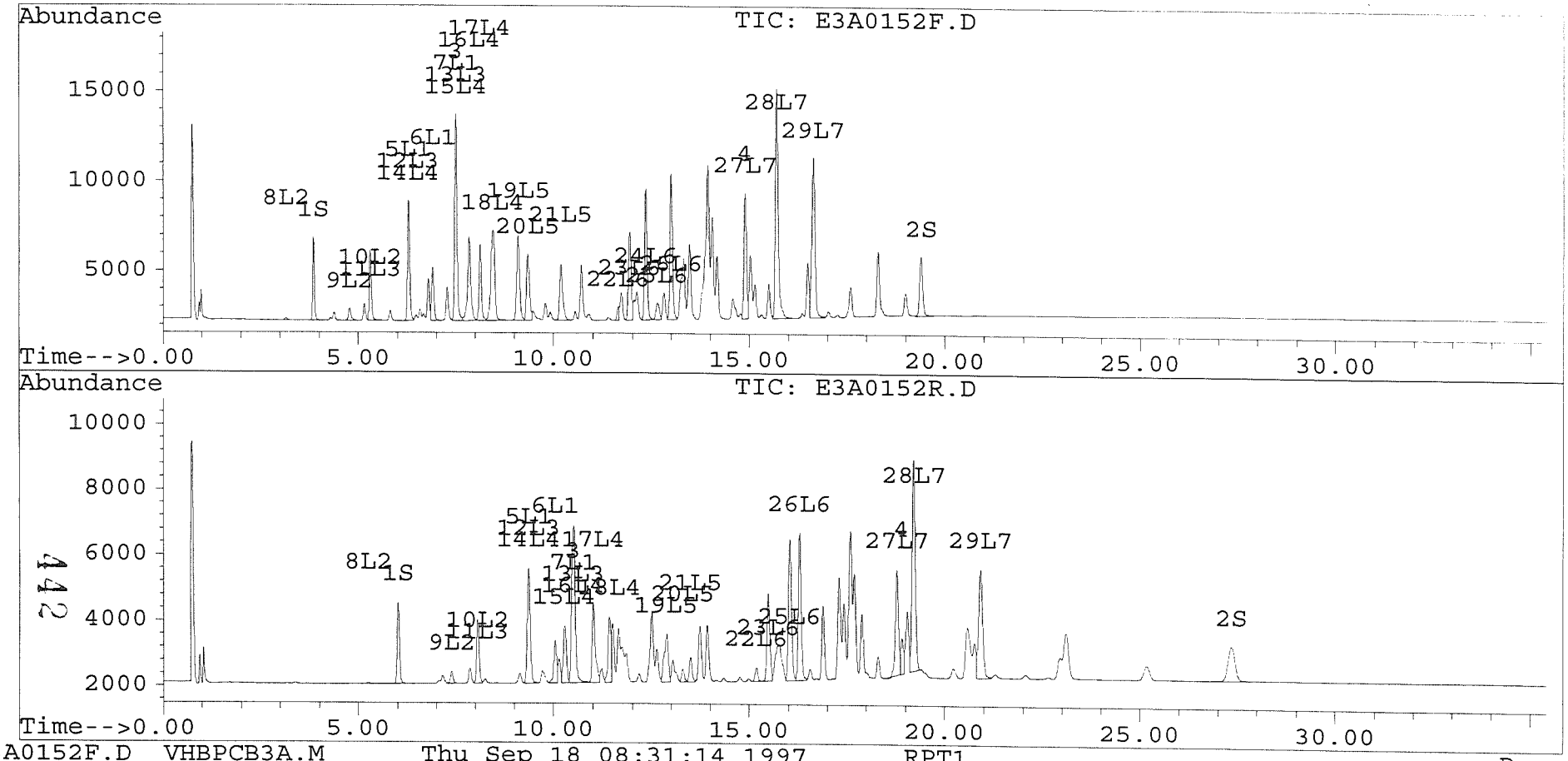
441

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0152F.D\E3A0152R.D
Acq On : 17 Sep 97 09:19 PM Operator: JS
Sample : AR1660AA,AR1660AA,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D\E3A0163R.D
Acq On : 18 Sep 97 09:15 AM Operator: JS
Sample : AR1248AB,AR1248AB,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 10:18 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	134693	97781	21.162	21.102	
					Recovery	=	105.81%	105.51%	
2)	S	Decachlorobiphenyl	19.39	27.34f	202304	118836	25.075	19.736	
					Recovery	=	125.38%	98.68%	
		Target Compounds							
3)		2,4,4'-Trichlorobip	7.51	10.50	5820	2436	120.581	96.342	
4)		2,2',3,3',4,4'-Hexa	14.89	18.91	256	243	2.940	5.415	#
5)	L1	Aroclor-1016	6.29	9.37	2787	1441	153.982	150.983	
6)	L1	Aroclor-1016 (2)	6.91	10.04	945	527	120.502	155.897	#
7)	L1	Aroclor-1016 (3)	7.51	10.50	5820	2436	202.649	196.955	
	Total	Aroclor-1016			9552	4404	477.132	503.835	
Average		Aroclor-1016					159.044	167.945	
8)	L2	Aroclor-1221	3.17f	0.00	71	0	11.261	N.D.	#
9)	L2	Aroclor-1221 (2)	4.78	7.40	44	23	8.007	7.354	
10)	L2	Aroclor-1221 (3)	5.31	8.07	403	201	28.733	29.704	
	Total	Aroclor-1221			518	224	48.001	37.059	
Average		Aroclor-1221					16.000	18.529	
11)	L3	Aroclor-1232	5.31	8.07	403	201	31.743	31.615	
12)	L3	Aroclor-1232 (2)	6.29	9.37	2787	1441	321.212	297.474	
13)	L3	Aroclor-1232 (3)	7.51	10.50	5820	2436	424.845	401.387	
	Total	Aroclor-1232			9010	4078	777.800	730.476	
Average		Aroclor-1232					259.267	243.492	
14)	L4	Aroclor-1242	6.29	9.37	2787	1441	116.988	113.014	
15)	L4	Aroclor-1242 (2)	7.51	10.29	5820	529	144.299	79.912	#
16)	L4	Aroclor-1242 (3)	7.85	10.50	2009	2436	121.397	140.186	
17)	L4	Aroclor 1242 (4)	8.13	11.01	2250	971	149.745	111.158	#
18)	L4	Aroclor 1242 (5)	8.45	0.00	5960	0	358.502	N.D.	#
	Total	Aroclor-1242			18826	5378	890.932	444.269	
Average		Aroclor-1242					178.186	111.067	
19)	L5	Aroclor-1248	9.10	12.88	5902	2102	398.110	384.694	
20)	L5	Aroclor-1248 (2)	9.35	13.30	5249	2908	400.751	411.459	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0163F.D VHBPCB3A.M Fri Sep 19 10:31:12 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D\E3A0163R.D
Acq On : 18 Sep 97 09:15 AM Operator: JS
Sample : AR1248AB,AR1248AB,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 10:18 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

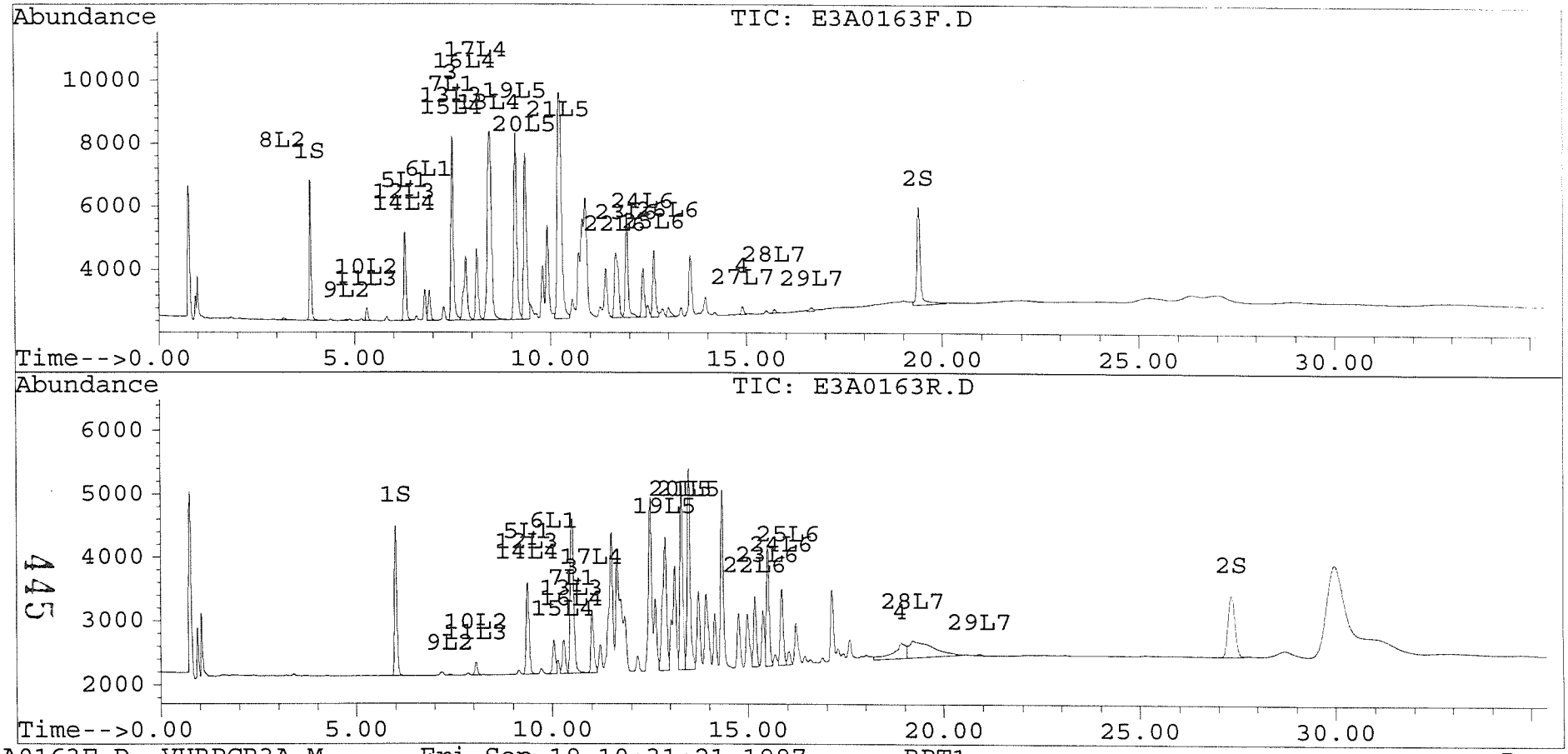
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.21	13.49	7147	3168	423.909	402.224
Total Aroclor-1248			18298	8179	1222.769	1198.377
Average Aroclor-1248					407.590	399.459
22) L6 Aroclor-1254	11.65	15.18	2039	1108	95.105	85.412
23) L6 Aroclor-1254 {2}	11.93	15.51	3314	1913	79.211	76.642
24) L6 Aroclor-1254 {3}	12.35	15.86	1545	1200	73.097	82.596
25) L6 Aroclor 1254 {4}	12.63	16.04	2089	210	86.404	19.943 #
26) L6 Aroclor 1254 {5}	13.00	0.00	310	0	17.344	N.D. #
Total Aroclor-1254			9297	4431	351.161	264.593
Average Aroclor-1254					70.232	66.148
27) L7 Aroclor-1260	14.89	0.00	256	0	13.913	N.D. #
28) L7 Aroclor-1260 {2}	15.70	19.21	124	264	3.796	14.632 #
29) L7 Aroclor-1260 {3}	16.65	20.92	108	27	4.772	3.034 #
Total Aroclor-1260			488	291	22.481	17.665
Average Aroclor-1260					7.494	8.833

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0163F.D\E3A0163R.D
Acq On : 18 Sep 97 09:15 AM Operator: JS
Sample : AR1248AB,AR1248AB,,AR1248.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 10:18 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\E3A0164F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0164F.D\E3A0164R.D
Acq On : 18 Sep 97 09:54 AM Operator: JS
Sample : COGAB,COGAB,COG.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:12 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	71905	53401	11.297	11.525
					Recovery	=	56.49%	57.63%
2)	S	Decachlorobiphenyl	19.38	0.00	94393	0	11.700	N.D. #
					Recovery	=	58.50%	0.00%
		Target Compounds						
3)		2,4,4'-Trichlorobip	7.50	10.51	59962	29677	1242.411	1173.763
4)		2,2',3,3',4,4'-Hexa	14.88	18.89	102302	50000	1174.447	1116.285
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}	7.50	10.51	59962	29677	2087.993	2399.572
		Total Aroclor-1016			59962	29677	2087.993	2399.572
		Average Aroclor-1016					2087.993	2399.572
8)	L2	Aroclor-1221	3.17f	0.00	71	0	11.230	N.D. #
9)	L2	Aroclor-1221 {2}	4.76	7.38	164	85	29.900	27.146
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			235	85	41.130	27.146
		Average Aroclor-1221					20.565	27.146
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}	7.50	10.51	59962	29677	4377.397	4890.233
		Total Aroclor-1232			59962	29677	4377.397	4890.233
		Average Aroclor-1232					4377.397	4890.233
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	7.50	0.00	59962	0	1486.789	N.D. #
16)	L4	Aroclor-1242 {3}	0.00	10.51	0	29677	N.D.	1707.937 #
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			59962	29677	1486.789	1707.937
		Average Aroclor-1242					1486.789	1707.937
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
20)	L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0164F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0164F.D\E3A0164R.D
Acq On : 18 Sep 97 09:54 AM Operator: JS
Sample : COGAB,COGAB,COG.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:12 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	0.00	37	0	2.109	N.D. #
Total	Aroclor-1248			37	0	2.109	N.D.
Average	Aroclor-1248					2.109	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}	12.35	0.00	546	0	25.461	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			546	0	25.461	N.D.
Average	Aroclor-1254					25.461	0.000
27) L7	Aroclor-1260	14.88	0.00	102302	0	5557.569	N.D. #
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 {3}	16.65	20.92	84	183	3.732	20.991 #
Total	Aroclor-1260			102387	183	5561.301	20.991
Average	Aroclor-1260					2780.651	20.991

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0165F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0165F.D\E3A0165R.D
Acq On : 18 Sep 97 10:32 AM Operator: JS
Sample : AR1242AB,AR1242AB,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:13 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

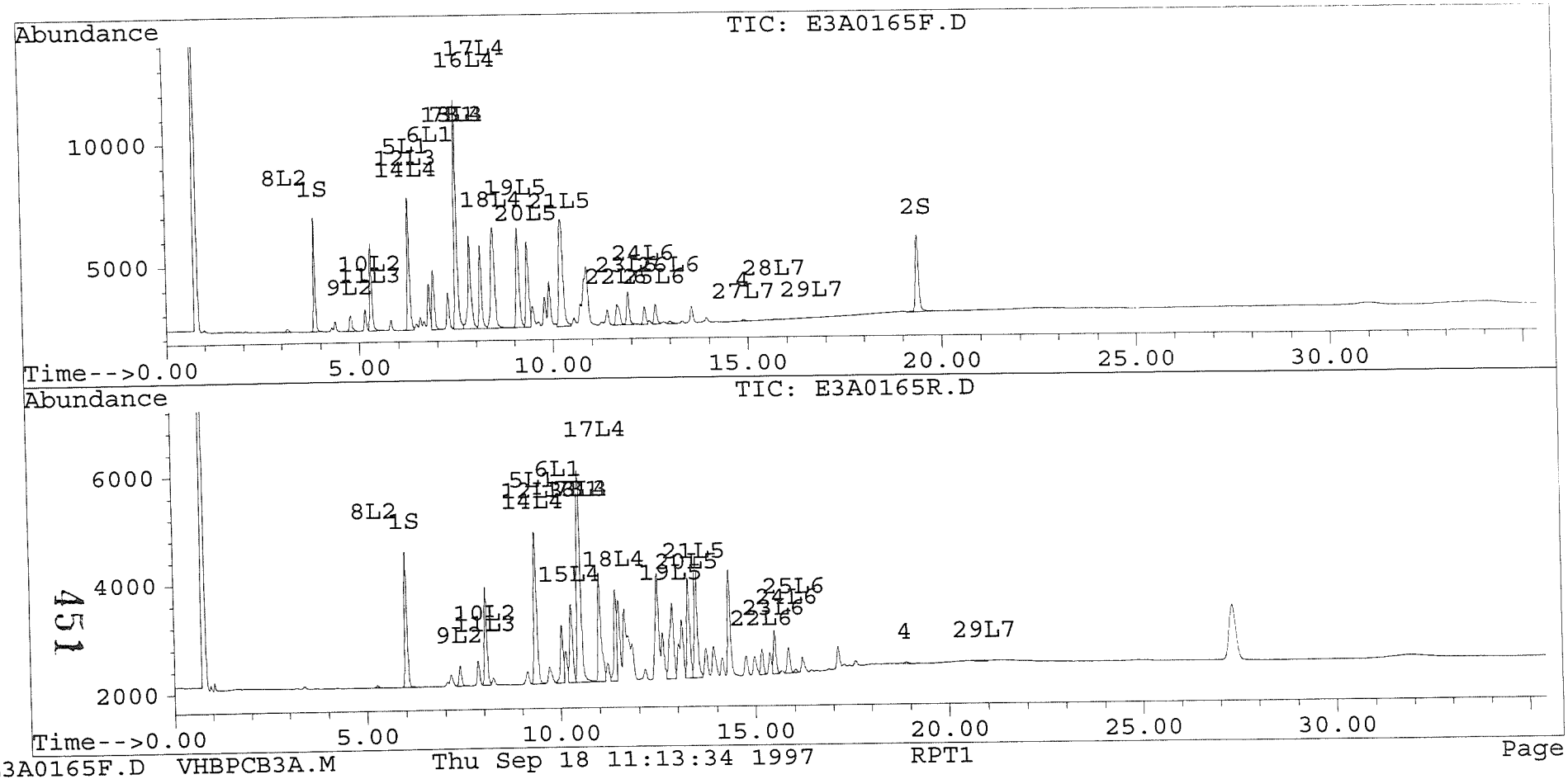
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5	Aroclor-1248 {3}	10.21	13.48	4399	2232	255.767	278.228
Total	Aroclor-1248			12031	5463	792.364	782.325
Average	Aroclor-1248					264.121	260.775
22) L6	Aroclor-1254	11.65	15.17	849	465	39.618	35.353
23) L6	Aroclor-1254 {2}	11.93	15.50	1351	793	32.293	31.373
24) L6	Aroclor-1254 {3}	12.34	15.85	721	468	33.705	31.785
25) L6	Aroclor 1254 {4}	12.63	16.04	818	65	33.839	6.132 #
26) L6	Aroclor 1254 {5}	12.99	0.00	120	0	6.703	N.D. #
Total	Aroclor-1254			3859	1791	146.159	104.643
Average	Aroclor-1254					29.232	26.161
27) L7	Aroclor-1260	14.89	0.00	81	0	4.419	N.D. #
28) L7	Aroclor-1260 {2}	15.70	0.00	31	0	0.953	N.D. #
29) L7	Aroclor-1260 {3}	16.64	20.92	16	20	0.697	2.245 #
Total	Aroclor-1260			128	20	6.068	2.245
Average	Aroclor-1260					2.023	2.245

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0165F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0165F.D\E3A0165R.D
Acq On : 18 Sep 97 10:32 AM Operator: JS
Sample : AR1242AB,AR1242AB,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:13 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



Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0167F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0167F.D\E3A0167R.D
Acq On : 18 Sep 97 11:48 AM Operator: JS
Sample : AR1660AB,AR1660AB,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 12:57 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

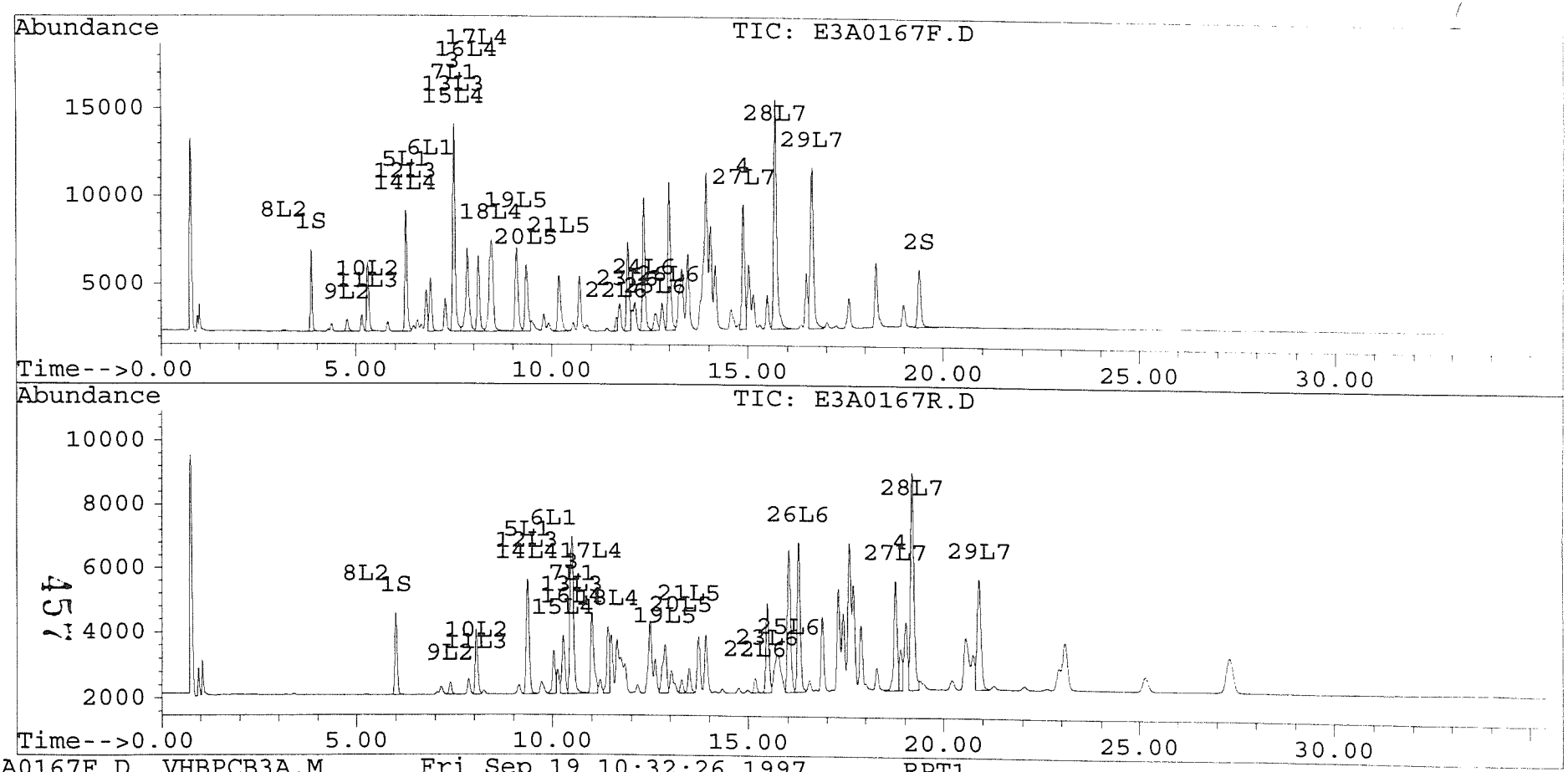
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.49	3174	770	183.031	93.427 #
Total Aroclor-1248			11727	2656	785.584	414.273
Average Aroclor-1248					261.861	138.091
22) L6 Aroclor-1254	11.64	15.18	767	438	35.774	33.265
23) L6 Aroclor-1254 {2}	11.93	15.49	5066	2745	121.100	111.102
24) L6 Aroclor-1254 {3}	12.34	0.00	7528	0	392.200	N.D. #
25) L6 Aroclor 1254 {4}	12.64	16.03	978	4403	40.425	492.566 #
26) L6 Aroclor 1254 {5}	12.99	16.28	8406	4620	553.471	518.678
Total Aroclor-1254			22745	12205	1142.970	1155.612
Average Aroclor-1254					228.594	288.903
27) L7 Aroclor-1260	14.89	18.77	7075	3363	384.373	366.846
28) L7 Aroclor-1260 {2}	15.69	19.19	13043	6769	399.192	374.464
29) L7 Aroclor-1260 {3}	16.63	20.91	9167	3402	405.273	389.295
Total Aroclor-1260			29285	13533	1188.838	1130.605
Average Aroclor-1260					396.279	376.868

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0167F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E3A0167F.D\E3A0167R.D
Acq On : 18 Sep 97 11:48 AM Operator: JS
Sample : AR1660AB,AR1660AB,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 12:57 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



Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0179F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0179F.D\E3A0179R.D
Acq On : 18 Sep 97 07:59 PM Operator: JS/GML
Sample : COGAC,COGAC,COG.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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

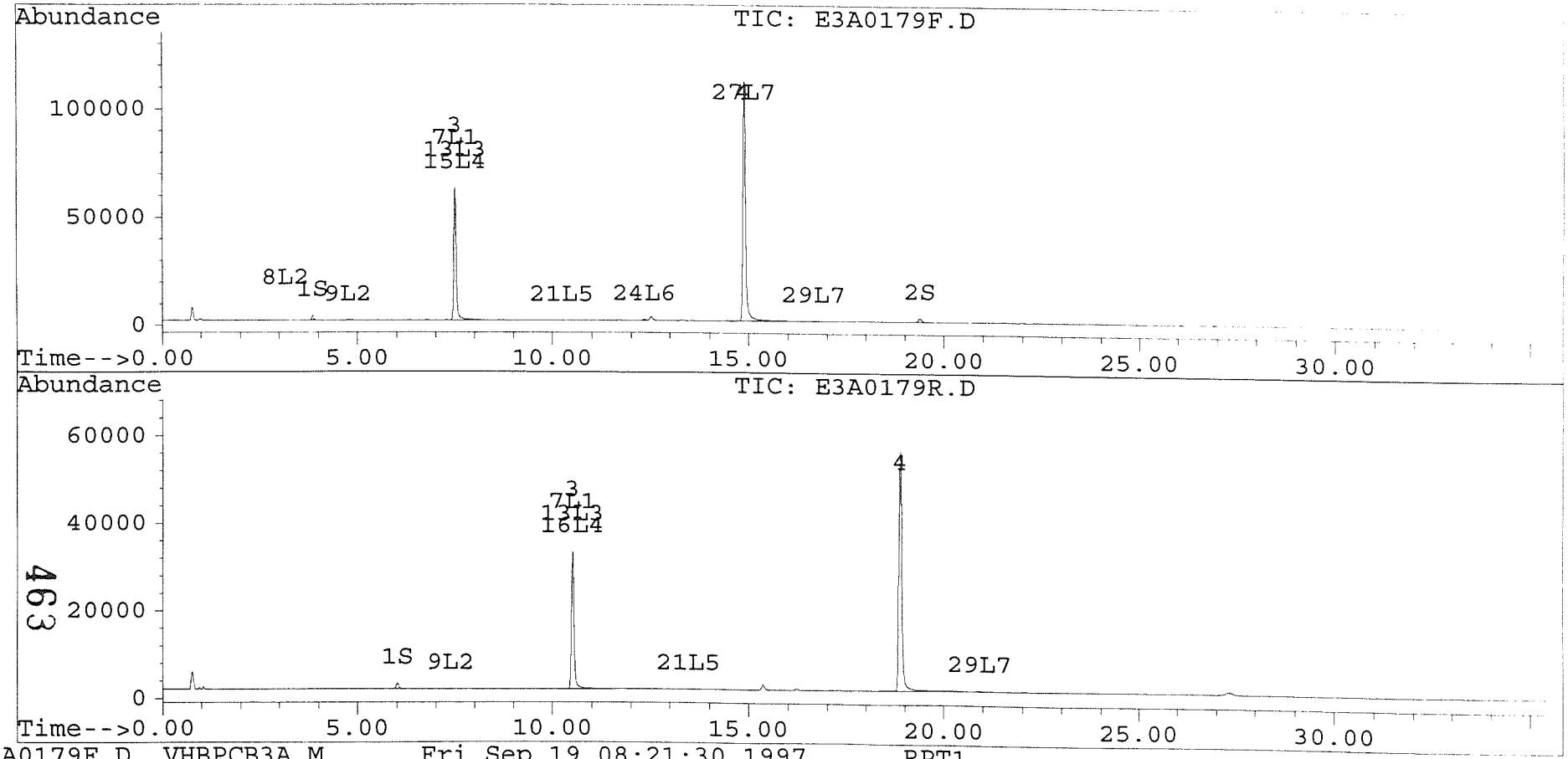
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.24	13.48	42	22	2.397	2.661
Total Aroclor-1248			42	22	2.397	2.661
Average Aroclor-1248					2.397	2.661
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}	12.35	0.00	586	0	27.350	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			586	0	27.350	N.D.
Average Aroclor-1254					27.350	0.000
27) L7 Aroclor-1260	14.88	0.00	110346	0	5994.532	N.D. #
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7 Aroclor-1260 {3}	16.64	20.91	99	57	4.384	6.573 #
Total Aroclor-1260			110445	57	5998.916	6.573
Average Aroclor-1260					2999.458	6.573

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0179F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0179F.D\E3A0179R.D
Acq On : 18 Sep 97 07:59 PM Operator: JS/GML
Sample : COGAC,COGAC,COG.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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



463

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D\E3A0180R.D
Acq On : 18 Sep 97 08:37 PM Operator: JS/GML
Sample : AR1242AC,AR1242AC,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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	140295	104603	22.042	22.575
					Recovery	=	110.21%	112.88%
2)	S	Decachlorobiphenyl	19.38	0.00	188608	0	23.377	N.D. #
					Recovery	=	116.89%	0.00%
		Target Compounds						
3)		2,4,4'-Trichlorobip	7.50	10.50	9452	4006	195.842	158.449
4)		2,2',3,3',4,4'-Hexa	14.89	18.90	99	47	1.134	1.043
5)	L1	Aroclor-1016	6.28	9.37	5423	2867	308.058	309.711
6)	L1	Aroclor-1016 {2}	6.90	10.03	2471	1067	315.020	315.669
7)	L1	Aroclor-1016 {3}	7.50	10.50	9452	4006	329.131	323.924
	Total	Aroclor-1016			17345	7940	952.209	949.303
Average		Aroclor-1016					317.403	316.434
8)	L2	Aroclor-1221	3.14	5.26	108	47	17.146	15.248
9)	L2	Aroclor-1221 {2}	4.77	7.39	662	371	121.021	118.502
10)	L2	Aroclor-1221 {3}	5.30	8.06	3564	1838	254.010	271.024
	Total	Aroclor-1221			4335	2256	392.177	404.774
Average		Aroclor-1221					130.726	134.925
11)	L3	Aroclor-1232	5.30	8.06	3564	1838	294.144	303.449
12)	L3	Aroclor-1232 {2}	6.28	9.37	5423	2867	669.511	634.836
13)	L3	Aroclor-1232 {3}	7.50	10.50	9452	4006	690.010	660.144
	Total	Aroclor-1232			18439	8710	1653.666	1598.430
Average		Aroclor-1232					551.222	532.810
14)	L4	Aroclor-1242	6.28	9.37	5423	2867	235.056	232.675
15)	L4	Aroclor-1242 {2}	7.50	10.28	9452	1471	234.363	222.113
16)	L4	Aroclor-1242 {3}	7.84	10.50	3854	4006	232.829	230.559
17)	L4	Aroclor 1242 {4}	8.12	11.01	3452	2062	229.745	235.894
18)	L4	Aroclor 1242 {5}	8.45	11.42	4179	1706	243.390	233.154
	Total	Aroclor-1242			26359	12112	1175.383	1154.395
Average		Aroclor-1242					235.077	230.879
19)	L5	Aroclor-1248	9.09	12.88	4138	1455	274.121	261.216
20)	L5	Aroclor-1248 {2}	9.34	13.29	3587	1925	269.275	266.828

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0180F.D VHBPCB3A.M Fri Sep 19 08:21:44 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D\E3A0180R.D
Acq On : 18 Sep 97 08:37 PM Operator: JS/GML
Sample : AR1242AC,AR1242AC,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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

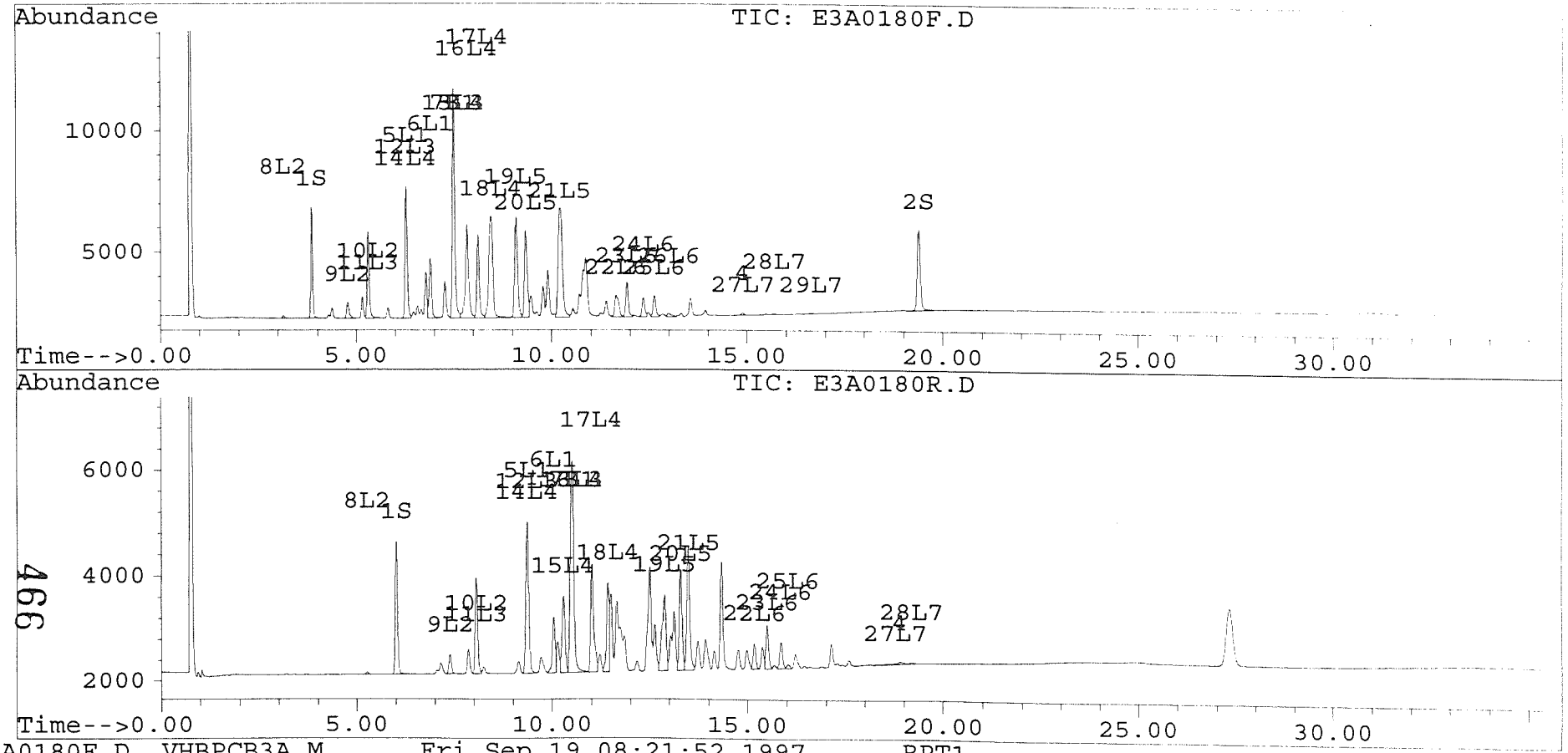
	Compound		RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5	Aroclor-1248	(3)	10.21	13.48	4507	2338	262.289	292.071
Total	Aroclor-1248				12232	5718	805.684	820.115
Average	Aroclor-1248						268.561	273.372
22) L6	Aroclor-1254		11.64	15.17	898	495	41.895	37.687
23) L6	Aroclor-1254	(2)	11.93	15.50	1418	839	33.896	33.205
24) L6	Aroclor-1254	(3)	12.34	15.85	777	504	36.395	34.226
25) L6	Aroclor 1254	(4)	12.63	16.03	875	77	36.170	7.272 #
26) L6	Aroclor 1254	(5)	12.99	0.00	154	0	8.565	N.D. #
Total	Aroclor-1254				4122	1915	156.920	112.391
Average	Aroclor-1254						31.384	28.098
27) L7	Aroclor-1260		14.89	18.78	99	20	5.366	2.223 #
28) L7	Aroclor-1260	(2)	15.69	19.21	36	18	1.090	0.984
29) L7	Aroclor-1260	(3)	16.64	0.00	19	0	0.858	N.D. #
Total	Aroclor-1260				154	38	7.314	3.207
Average	Aroclor-1260						2.438	1.603

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0180F.D\E3A0180R.D
Acq On : 18 Sep 97 08:37 PM Operator: JS/GML
Sample : AR1242AC,AR1242AC,,AR1242.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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



E3A0180F.D VHBPCB3A.M Fri Sep 19 08:21:52 1997 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D\E3A0181R.D
Acq On : 18 Sep 97 09:15 PM Operator: JS/GML
Sample : AR1254AC,AR1254AC,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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	137323	102347	21.575	22.088	
					Recovery	=	107.88%	110.44%	
2)	S	Decachlorobiphenyl	19.38	0.00	192945	0	23.915	N.D.	#
					Recovery	=	119.58%	0.00%	
		Target Compounds							
3)		2,4,4'-Trichlorobip	7.50	10.49	287	125	5.956	4.962	
4)		2,2',3,3',4,4'-Hexa	14.89	18.89	2930	1470	33.639	32.809	
5)	L1	Aroclor-1016	6.28	9.37	160	78	8.615	8.004	
6)	L1	Aroclor-1016 {2}	6.91	10.03	58	18	7.430	5.432	#
7)	L1	Aroclor-1016 {3}	7.50	10.49	287	125	10.010	10.143	
	Total	Aroclor-1016			506	222	26.055	23.579	
	Average	Aroclor-1016					8.685	7.860	
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}	5.30	8.06	70	34	4.987	5.008	
	Total	Aroclor-1221			70	34	4.987	5.008	
	Average	Aroclor-1221					4.987	5.008	
11)	L3	Aroclor-1232	5.30	8.06	70	34	5.485	5.304	
12)	L3	Aroclor-1232 {2}	6.28	9.37	160	78	17.426	15.330	
13)	L3	Aroclor-1232 {3}	7.50	10.49	287	125	20.985	20.671	
	Total	Aroclor-1232			517	238	43.896	41.306	
	Average	Aroclor-1232					14.632	13.769	
14)	L4	Aroclor-1242	6.28	9.37	160	78	6.522	5.974	
15)	L4	Aroclor-1242 {2}	7.50	10.28	287	31	7.128	4.753	#
16)	L4	Aroclor-1242 {3}	7.84	10.49	104	125	6.285	7.220	
17)	L4	Aroclor 1242 {4}	8.13	11.01	98	45	6.516	5.161	
18)	L4	Aroclor 1242 {5}	8.42f	0.00	3594	0	207.259	N.D.	#
	Total	Aroclor-1242			4243	281	233.710	23.108	
	Average	Aroclor-1242					46.742	5.777	
19)	L5	Aroclor-1248	9.09	12.88	2169	493	141.016	86.252	#
20)	L5	Aroclor-1248 {2}	9.34	13.29	989	1629	72.406	224.376	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0181F.D VHBPCB3A.M Fri Sep 19 08:22:02 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D\E3A0181R.D
Acq On : 18 Sep 97 09:15 PM Operator: JS/GML
Sample : AR1254AC,AR1254AC,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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

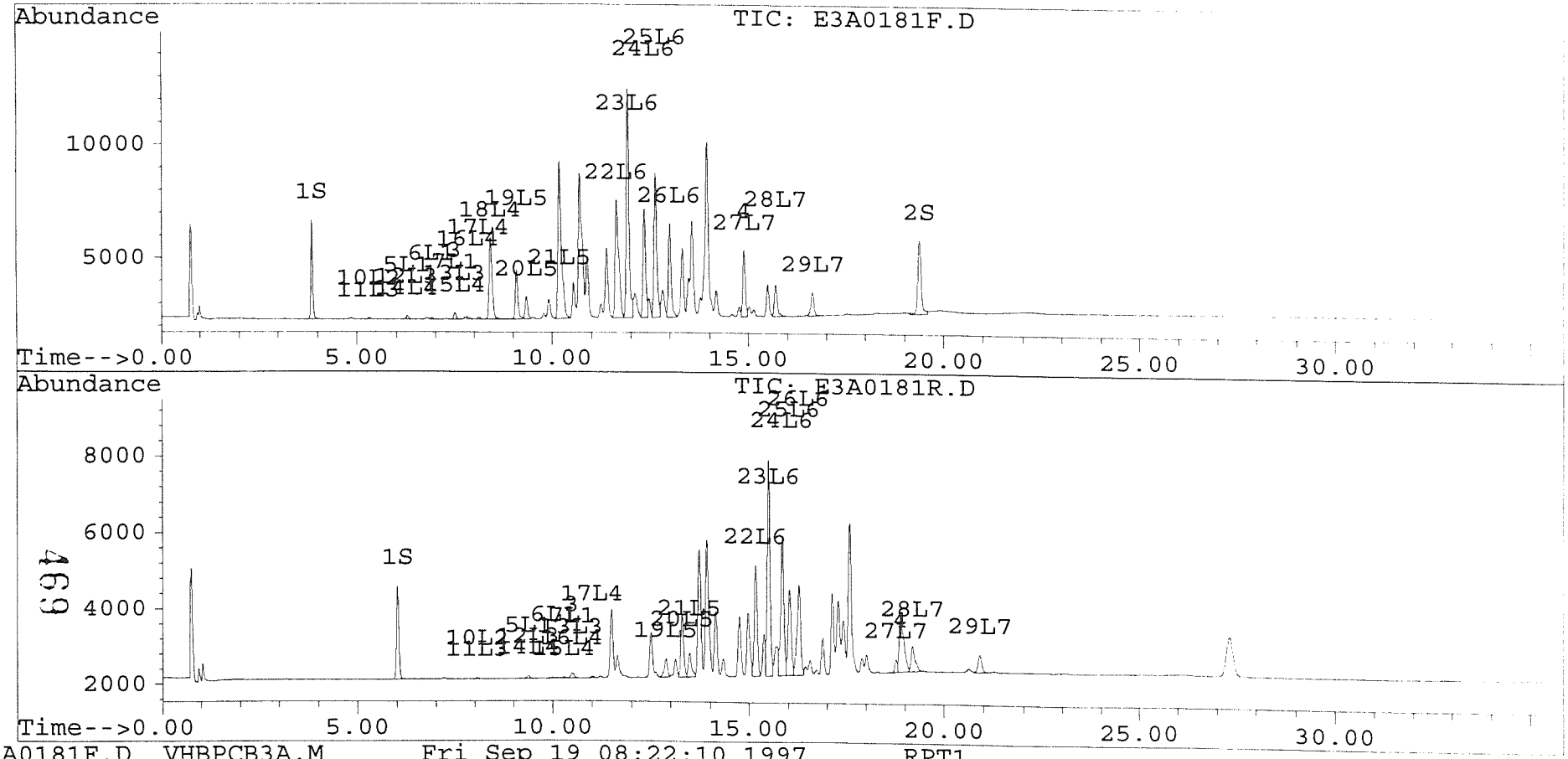
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000	
21) L5	Aroclor-1248 {3}	10.18	13.48	6954	637	411.899	77.090	#
Total	Aroclor-1248			10112	2758	625.321	387.717	
Average	Aroclor-1248					208.440	129.239	
22) L6	Aroclor-1254	11.64	15.17	5196	2913	242.400	234.721	
23) L6	Aroclor-1254 {2}	11.92	15.50	10099	5663	241.394	237.912	
24) L6	Aroclor-1254 {3}	12.34	15.85	4783	3606	237.507	260.587	
25) L6	Aroclor 1254 {4}	12.62	16.03	6375	2270	263.634	231.174	
26) L6	Aroclor 1254 {5}	12.99	16.28	4144	2384	247.708	243.235	
Total	Aroclor-1254			30597	16837	1232.643	1207.629	
Average	Aroclor-1254					246.529	241.526	
27) L7	Aroclor-1260	14.89	18.77	2930	324	159.182	35.398	#
28) L7	Aroclor-1260 {2}	15.69	19.20	1397	665	42.754	36.807	
29) L7	Aroclor-1260 {3}	16.64	20.91	1039	460	45.920	52.619	
Total	Aroclor-1260			5366	1450	247.856	124.824	
Average	Aroclor-1260					82.619	41.608	

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0181F.D\E3A0181R.D
Acq On : 18 Sep 97 09:15 PM Operator: JS/GML
Sample : AR1254AC,AR1254AC,,AR1254.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:21 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\E3A0182F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0182F.D\E3A0182R.D
Acq On : 18 Sep 97 09:53 PM Operator: JS/GML
Sample : AR1660AC,AR1660AC,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:22 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	147362	109079	23.153	23.541
					Recovery	=	115.77%	117.71%
2)	S	Decachlorobiphenyl	19.38	0.00	199207	0	24.691	N.D. #
					Recovery	=	123.46%	0.00%
		Target Compounds						
3)		2,4,4'-Trichlorobip	7.50	10.50	12695	5261	263.043	208.088
4)		2,2',3,3',4,4'-Hexa	14.88	18.90	7564	1351	86.836	30.164 #
5)	L1	Aroclor-1016	6.28	9.37	7193	3748	416.948	413.253
6)	L1	Aroclor-1016 {2}	6.90	10.03	3223	1390	410.995	411.069
7)	L1	Aroclor-1016 {3}	7.50	10.50	12695	5261	442.069	425.402
		Total Aroclor-1016			23111	10398	1270.012	1249.724
		Average Aroclor-1016					423.337	416.575
8)	L2	Aroclor-1221	3.14	5.26	76	30	11.997	9.657
9)	L2	Aroclor-1221 {2}	4.77	7.39	724	404	132.384	128.779
10)	L2	Aroclor-1221 {3}	5.30	8.06	4123	2116	293.782	312.117
		Total Aroclor-1221			4923	2549	438.163	450.553
		Average Aroclor-1221					146.054	150.184
11)	L3	Aroclor-1232	5.30	8.06	4123	2116	343.300	352.786
12)	L3	Aroclor-1232 {2}	6.28	9.37	7193	3748	940.147	875.243
13)	L3	Aroclor-1232 {3}	7.50	10.50	12695	5261	926.780	866.952
		Total Aroclor-1232			24011	11125	2210.228	2094.982
		Average Aroclor-1232					736.743	698.327
14)	L4	Aroclor-1242	6.28	9.37	7193	3748	319.227	311.299
15)	L4	Aroclor-1242 {2}	7.50	10.28	12695	1894	314.782	285.867
16)	L4	Aroclor-1242 {3}	7.84	10.50	5085	5261	307.188	302.787
17)	L4	Aroclor 1242 {4}	8.12	11.01	4614	2673	307.096	305.896
18)	L4	Aroclor 1242 {5}	8.45	11.42	5537	2190	330.381	299.332
		Total Aroclor-1242			35123	15766	1578.674	1505.181
		Average Aroclor-1242					315.735	301.036
19)	L5	Aroclor-1248	9.09	12.88	5076	1607	339.433	289.752
20)	L5	Aroclor-1248 {2}	9.34	13.29	4026	436	303.608	58.689 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0182F.D VHBPCB3A.M Fri Sep 19 08:22:22 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0182F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0182F.D\E3A0182R.D
Acq On : 18 Sep 97 09:53 PM Operator: JS/GML
Sample : AR1660AC,AR1660AC,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:22 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

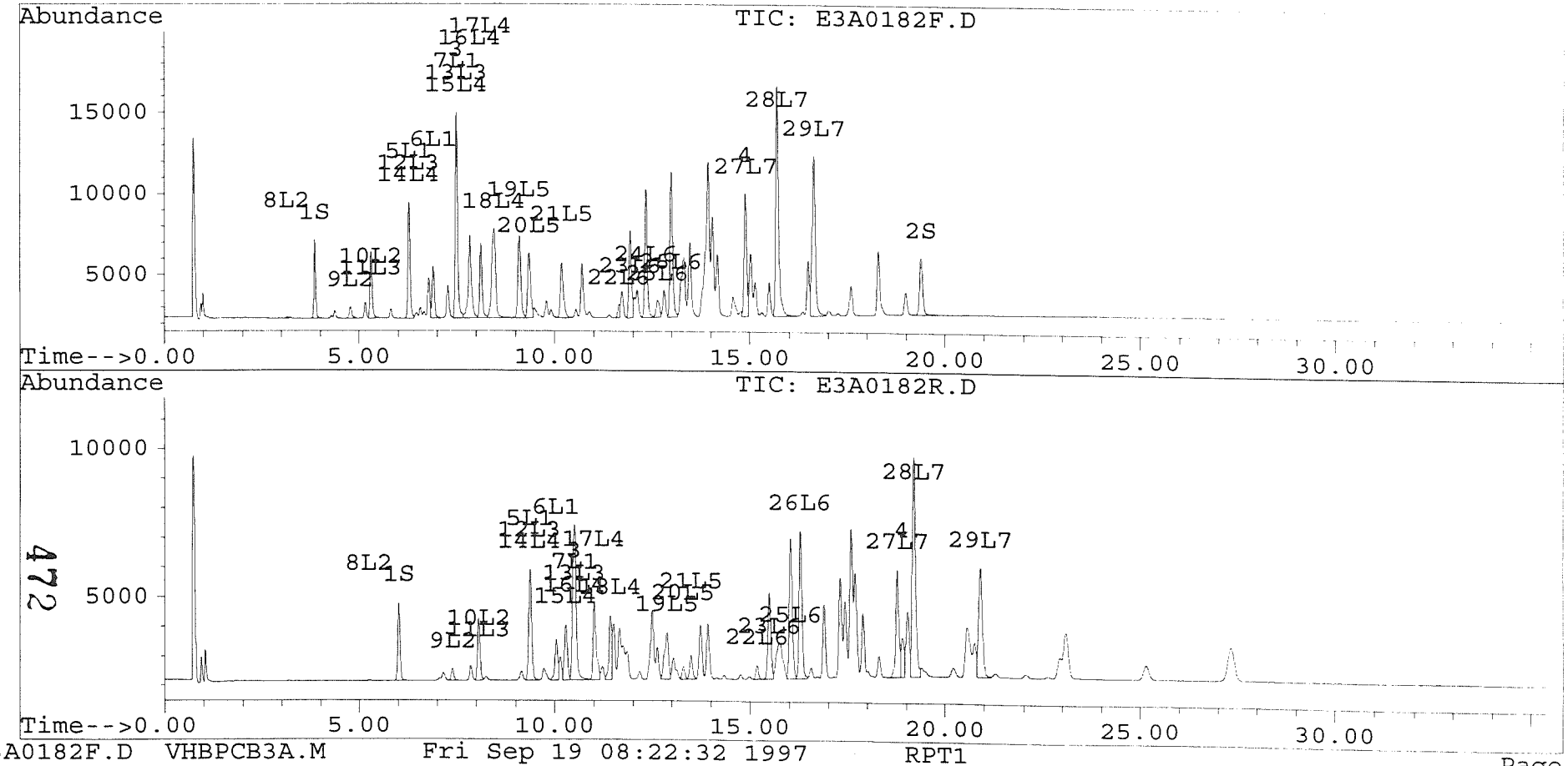
Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
21) L5 Aroclor-1248 {3}	10.18	13.49	3386	829	195.494	100.680 #
Total Aroclor-1248			12488	2871	838.535	449.121
Average Aroclor-1248					279.512	149.707
22) L6 Aroclor-1254	11.64	15.17	821	479	38.306	36.383
23) L6 Aroclor-1254 {2}	11.93	15.49	5376	2943	128.498	119.381
24) L6 Aroclor-1254 {3}	12.34	0.00	7934	0	416.538	N.D. #
25) L6 Aroclor 1254 {4}	12.64	16.03	1046	4742	43.249	540.212 #
26) L6 Aroclor 1254 {5}	12.99	16.28	8978	4977	600.487	569.329
Total Aroclor-1254			24154	13140	1227.078	1265.304
Average Aroclor-1254					245.416	316.326
27) L7 Aroclor-1260	14.88	18.77	7564	3618	410.917	394.662
28) L7 Aroclor-1260 {2}	15.69	19.19	14133	7438	432.531	411.468
29) L7 Aroclor-1260 {3}	16.63	20.91	9856	3682	435.744	421.371
Total Aroclor-1260			31552	14737	1279.191	1227.500
Average Aroclor-1260					426.397	409.167

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0182F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E3A0182F.D\E3A0182R.D
Acq On : 18 Sep 97 09:53 PM Operator: JS/GML
Sample : AR1660AC,AR1660AC,,AR1660.SUB Inst : E3
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:22 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



Last Page of Data Report

MITKEM CORPORATION

Client: Vanasse Hangen Brustlin, Inc.

Client Project: Boliden Metech

Lab Project: E0512

Date samples received: 4/10/98

Project Narrative

This data report includes the analysis results for one (5) wipe subsamples which were to be comosited for one analysis that were received from Vanasse Hangen Brustlin, Inc. on April 10, 1998. Analyses were performed per specification in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the client sample ID and laboratory sample ID.

All of the analyses were performed according to method specifications. Due to a misunderstanding of the analysis request, only one wipe sample was originally extracted and analyzed for this sample. When this was determined to be in error, the remaining four wipe subsamples were composited and analyzed. Results for both the single wipe and the composite of four wipes are reported on separate data sheets, along with their associated batch QC. Due to the larger sample size of the composite of four wipes, the reporting limit is reduced for this analysis. No other unusual occurrences were noted during sample analysis.

This data report has been reviewed and is authorized for release as evidenced by the signature below.

Edward A. Lawler
Laboratory Operations Manager

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-18B (Composite)*
Lab ID: E0512-01
Analysis: Method 8080

Analysis Date: 4/14/98
Matrix: Wipe
Concentration in: ug/Wipe
Dilution: 1

Analyte	Results	Reporting Limits *
Aroclor-1016	ND	0.25
Aroclor-1221	ND	0.50
Aroclor-1232	ND	0.25
Aroclor-1242	ND	0.25
Aroclor-1248	ND	0.25
Aroclor-1254	ND	0.25
Aroclor-1260	ND	0.25

QC Batch: P0414-B1

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

ND=Not Detected

* Composite of 4 wipes.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0414-B1 *
Analysis: Method 8080

Analysis Date: 4/14/98
Matrix: Wipe
Concentration in: ug/Wipe
Dilution: 1

Analyte	Results	Reporting Limits *
Aroclor-1016	ND	0.25
Aroclor-1221	ND	0.50
Aroclor-1232	ND	0.25
Aroclor-1242	ND	0.25
Aroclor-1248	ND	0.25
Aroclor-1254	ND	0.25
Aroclor-1260	ND	0.25

QC Batch: P0414-B1

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

ND=Not Detected

* Composite of 4 wipes.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0414-LCS1
Analysis: Method 8080

Matrix: Wipe
Analysis Date for Blank Spike: 4/14/98

Analyte	% Recovery
Aroclor 1016	82
Aroclor 1260	75

QC Batch: P0414-B1

004

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-18B *
Lab ID: E0512-01
Analysis: Method 8080

Analysis Date: 4/13/98
Matrix: Wipe
Concentration in: ug/Wipe
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1.0
Aroclor-1221	ND	2.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

QC Batch: P0413-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	83%
Decachlorobiphenyl	89%

ND=Not Detected

* Single wipe.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0413-B1
Analysis: Method 8080

Analysis Date: 4/13/98
Matrix: Wipe
Concentration in: ug/Wipe
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	1.0
Aroclor-1221	ND	2.0
Aroclor-1232	ND	1.0
Aroclor-1242	ND	1.0
Aroclor-1248	ND	1.0
Aroclor-1254	ND	1.0
Aroclor-1260	ND	1.0

QC Batch: P0413-B1

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	72%
Decachlorobiphenyl	76%

ND=Not Detected

* Single wipe.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0413-LCS1
Analysis: Method 8080

Matrix: Wipe
Analysis Date for Blank Spike: 4/13/98

Analyte	% Recovery
Aroclor 1016	85
Aroclor 1260	79

QC Batch: P0413-B1

007

MITKEM CORPORATION

Lab Project #: **E0512**
Client Name: **Vanasse Hangen Brustlin, Inc.**
Client Proj #: **NA**
Client PO #: **NA**
Project Name: **Boliden Metech**
Date Due: **4/14/98**
Total Price: **$ -**
Project Mgr: PAS
Salesman: PAS
Del Req'd: **NA**
Completed?: **YES**

Logged In By: LAM
Reviewed By: BFD
Date: 4/13/98 Time: 9:45

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-01	SG-18B	Wipe	PCBs 8080		4/10/98	4/10/98					1					

NOTES: Composite all 5 wipes then divide by 5 for results.

TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
0	0	0	0	1	0	0	0	0	0

ORIGINAL REPORT GOES TO:
Vanasse Hangen Brustlin, Inc.
101 Walnut Street, PO Box 9151
Watertown, MA 02272
Attn: Jeff Gower
Phone: 617 924-1770
Fax: 617 923-2336

INVOICE GOES TO:
Same
Attn: Accounts Payable

ADDITIONAL REPORT GOES TO:
None

003

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

CHAIN-OF-CUSTODY RECORD

REPORT TO			INVOICE TO			
COMPANY Vanasse Hangen Brustlin	PHONE 617-924-1770		COMPANY	PHONE	LAB REFERENCE #: E0512
NAME 101 Walnut Street	FAX 617-924-2286		NAME	FAX	
ADDRESS Watertown, MA			ADDRESS		TURNAROUND TIME:
CITY/ST/ZIP			CITY/ST/ZIP		

CLIENT PROJECT NAME: Bolidon Metech

CLIENT PROJECT #:

CLIENT P.O.#:

SAMPLE IDENTIFICATION	DATE/TIME SAMPLED	COMPOSITE	GRAB	WATER	SOIL	OTHER	LAB ID	# OF CONTAINERS	REQUESTED ANALYSES: X PCB-8082	COMMENTS
SG-18B	4/10/98 /	X						5	X	1 composite 2 DAY TURN-AROUND
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									
	/									

TSF#	RELINQUISHED BY	DATE/TIME	ACCEPTED BY	DATE/TIME	ADDITIONAL REMARKS:	COOLER TEMP:
1st		4/10/98 /		4/10/98 / 10:10AM		
2nd		/		/		
3rd		/		/		

0095

WHITE: LABORATORY COPY YELLOW: REPORT COPY PINK: CLIENT'S COPY

MITKEM CORPORATION
Sample Condition Form

Received By: JS	Reviewed By:	Date: 4/10/98	MITKEM Project: E0512
Client Project: Boiling Point		Client: VCTB	

Condition:		Sample ID		Preservation (pH)				Comments/Remarks/ Corrective Action*
		Lab	Client	HNO_3	H_2SO_4	HCl	NaOH	
		-9	SG-18B					
1) Custody Seal(s)	Present/Absent							
	Coolers/Bottles							
	Intact/Broken							
2) Custody Seal Number(s)	NA							
3) Chain-of-Custody	Present/Absent							
4) Cooler Temperature								
Coolant Condition	none							
5) Airbill(s)	Present/Absent							
Airbill Number(s)								
6) Sample Bottles	Intact							
	Broken							
	Leaking							
7) Date Received	4/10/98							
8) Time Received	1010							
9) Project Due Date								

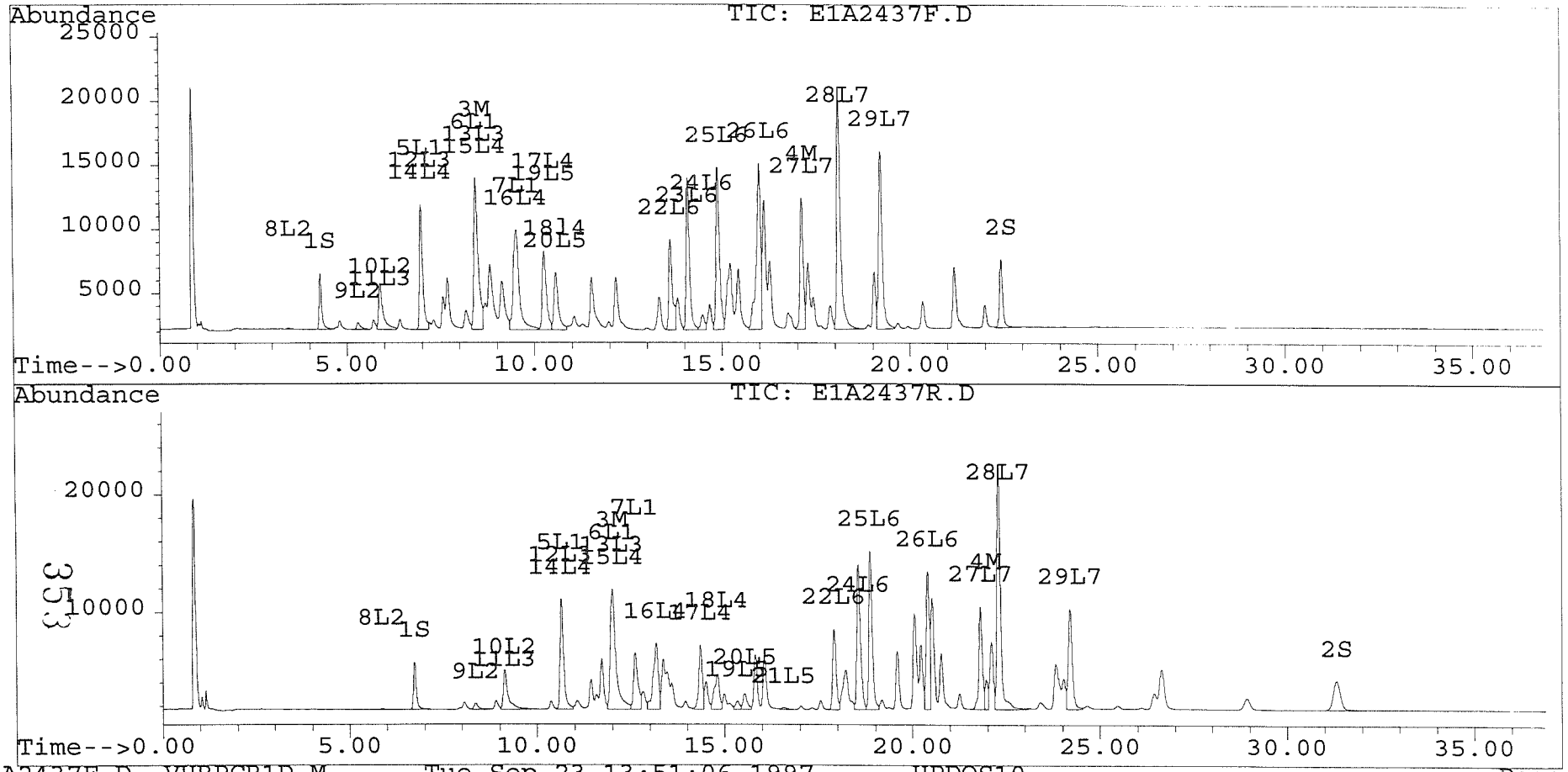
* See Sample Condition Notification/Corrective Action Form yes (no)

Last Page of Data Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2437F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2437F.D\E1A2437R.D
Acq On : 20 Sep 97 05:46 AM Operator: JS/GML
Sample : AR1660DF,AR1660DF,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:42 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2449F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2449F.D\E1A2449R.D
Acq On : 20 Sep 97 01:59 PM Operator: JS
Sample : AR1248DG,AR1248DG,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 14:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4383	4193	20.558	20.904
				Recovery	=	51.40%	52.26%
2) S	Decachlorobiphenyl	22.44	31.33	5135	2484	21.019	20.806
				Recovery	=	52.55%	52.02%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.45	12.01	4885	4551	68.398	64.083
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	309	217	1.973	1.379 #
5) L1	Aroclor-1016	6.98	10.65	3807	3829	139.552	143.600
6) L1	Aroclor-1016 (2)	8.45	12.01	4885	4551	128.661	157.654
7) L1	Aroclor-1016 (3)	9.51	12.61	9673	1743	447.892	126.937 #
Total	Aroclor-1016			18364	10123	716.105	428.191
Average	Aroclor-1016					238.702	142.730
8) L2	Aroclor-1221	3.43	0.00	37	0	4.390	N.D. #
9) L2	Aroclor-1221 (2)	5.29	8.35	23	29	3.551	4.781 #
10) L2	Aroclor-1221 (3)	5.90	9.15	252	276	14.551	18.803 #
Total	Aroclor-1221			313	306	22.492	23.584
Average	Aroclor-1221					7.497	11.792
11) L3	Aroclor-1232	5.90	9.15	252	276	18.853	23.361
12) L3	Aroclor-1232 (2)	6.98	10.65	3807	3829	313.043	308.148
13) L3	Aroclor-1232 (3)	8.45	12.01	4885	4551	303.188	373.087
Total	Aroclor-1232			8944	8657	635.083	704.597
Average	Aroclor-1232					211.694	234.866
14) L4	Aroclor-1242	6.98	10.65	3807	3829	103.895	106.361
15) L4	Aroclor-1242 (2)	8.45	12.01	4885	4551	110.471	117.698
16) L4	Aroclor-1242 (3)	9.51	13.18	9673	7234	340.218	332.982
17) L4	Aroclor-1242 (4)	10.25	14.36	8445	7725	346.904	337.391
18) L4	Aroclor-1242 (5)	10.56	14.81	6881	4975	346.337	357.439
Total	Aroclor-1242			33691	28315	1247.825	1251.871
Average	Aroclor-1242					249.565	250.374
19) L5	Aroclor-1248	10.25	15.33	8445	6949	359.711	354.796

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2449F.D VHBPCB1D.M Tue Sep 23 13:51:12 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2449F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2449F.D\E1A2449R.D
Acq On : 20 Sep 97 01:59 PM Operator: JS
Sample : AR1248DG,AR1248DG,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 14:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	6881	7014	353.501	352.601	
21) L5	Aroclor-1248 (3)	11.64	16.56	8276	5301	356.615	347.245	
Total	Aroclor-1248			23602	19264	1069.827	1054.642	
Average	Aroclor-1248					356.609	351.547	
22) L6	Aroclor-1254	13.62	17.94	4044	4740	69.010	71.923	
23) L6	Aroclor-1254 (2)	14.10	18.38	1652	2509	54.426	71.033	#
24) L6	Aroclor-1254 (3)	14.50	18.55	2092	709	66.841	24.882	#
25) L6	Aroclor-1254 (4)	14.89	0.00	657	0	24.475	N.D.	#
26) L6	Aroclor-1254 (5)	16.01	20.43	826	643	17.082	14.461	
Total	Aroclor-1254			9271	8601	231.835	182.299	
Average	Aroclor-1254					46.367	45.575	
27) L7	Aroclor-1260	17.13	21.83	309	54	11.170	2.200	#
28) L7	Aroclor-1260 (2)	18.11	22.32	129	134	2.544	2.346	
29) L7	Aroclor-1260 (3)	19.23	24.22	78	64	2.092	2.684	#
Total	Aroclor-1260			516	252	15.806	7.230	
Average	Aroclor-1260					5.269	2.410	

355

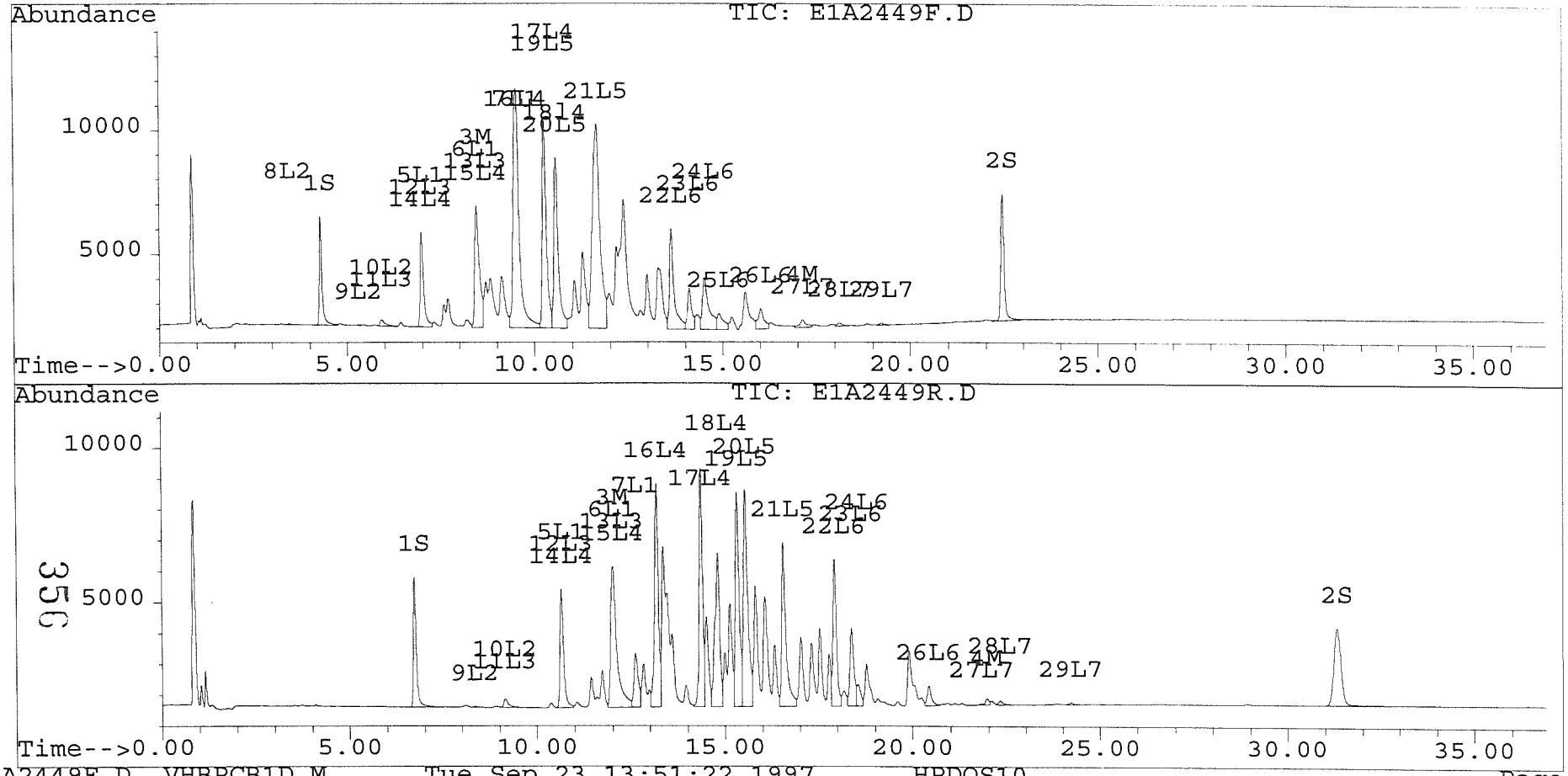
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2449F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2449F.D\E1A2449R.D
Acq On : 20 Sep 97 01:59 PM Operator: JS
Sample : AR1248DG,AR1248DG,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 14:45 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2450F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2450F.D\E1A2450R.D
Acq On : 20 Sep 97 02:40 PM Operator: JS
Sample : COGDG,COGDG,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	1935	1897	9.077	9.458
					Recovery	=	22.69%	23.65%
2)	S	Decachlorobiphenyl	22.44	31.33	2584	1231	10.576	10.309
					Recovery	=	26.44%	25.77%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.02	74263	74901	1039.886	1054.665
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	171289	170965	1094.779	1087.512
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 (2)	8.42f	12.02	74263	74901	1956.091	2594.650
7)	L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			74263	74901	1956.091	2594.650
		Average Aroclor-1016					1956.091	2594.650
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.29	8.34	79	91	12.172	14.840
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			79	91	12.172	14.840
		Average Aroclor-1221					12.172	14.840
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	74263	74901	4609.494	6140.236
		Total Aroclor-1232			74263	74901	4609.494	6140.236
		Average Aroclor-1232					4609.494	6140.236
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 (2)	8.42f	12.02	74263	74901	1679.533	1937.056
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			74263	74901	1679.533	1937.056
		Average Aroclor-1242					1679.533	1937.056
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2450F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2450F.D\E1A2450R.D
Acq On : 20 Sep 97 02:40 PM Operator: JS
Sample : COGDG,COGDG,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	138	N.D.	6.925 #
21) L5	Aroclor-1248 {3}	0.00	16.59	0	87	N.D.	5.685 #
Total	Aroclor-1248			0	225	N.D.	12.609
Average	Aroclor-1248					0.000	6.305
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.10	0.00	519	0	17.110	N.D. #
24) L6	Aroclor-1254 {3}	14.50	0.00	605	0	19.329	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			1124	0	36.438	N.D.
Average	Aroclor-1254					18.219	0.000
27) L7	Aroclor-1260	17.11	0.00	171289	0	6196.734	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	105	92	2.807	3.827 #
Total	Aroclor-1260			171394	92	6199.542	3.827
Average	Aroclor-1260					3099.771	3.827

358

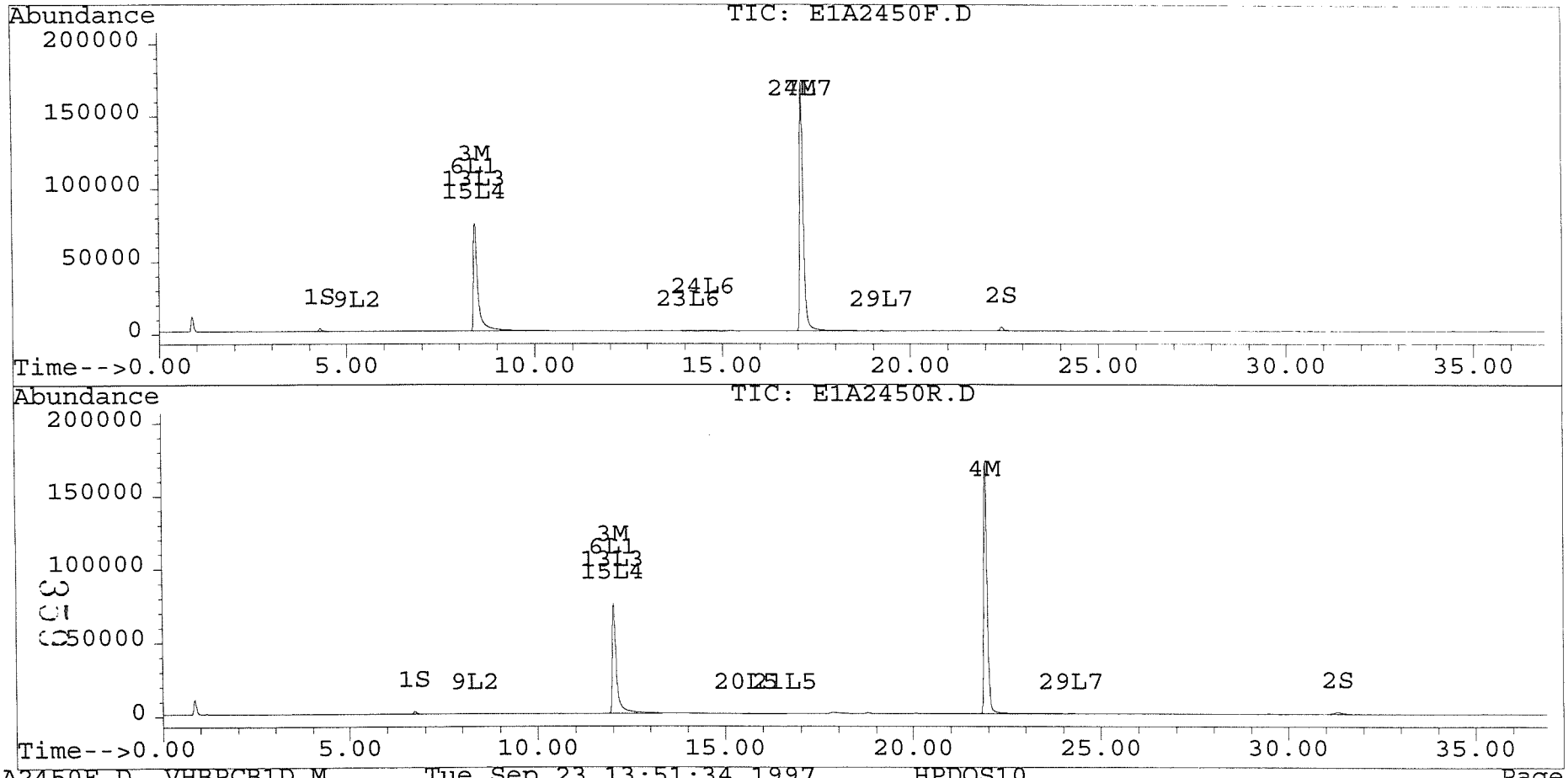
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2450F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2450F.D\E1A2450R.D
Acq On : 20 Sep 97 02:40 PM Operator: JS
Sample : COGDG,COGDG,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 15:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

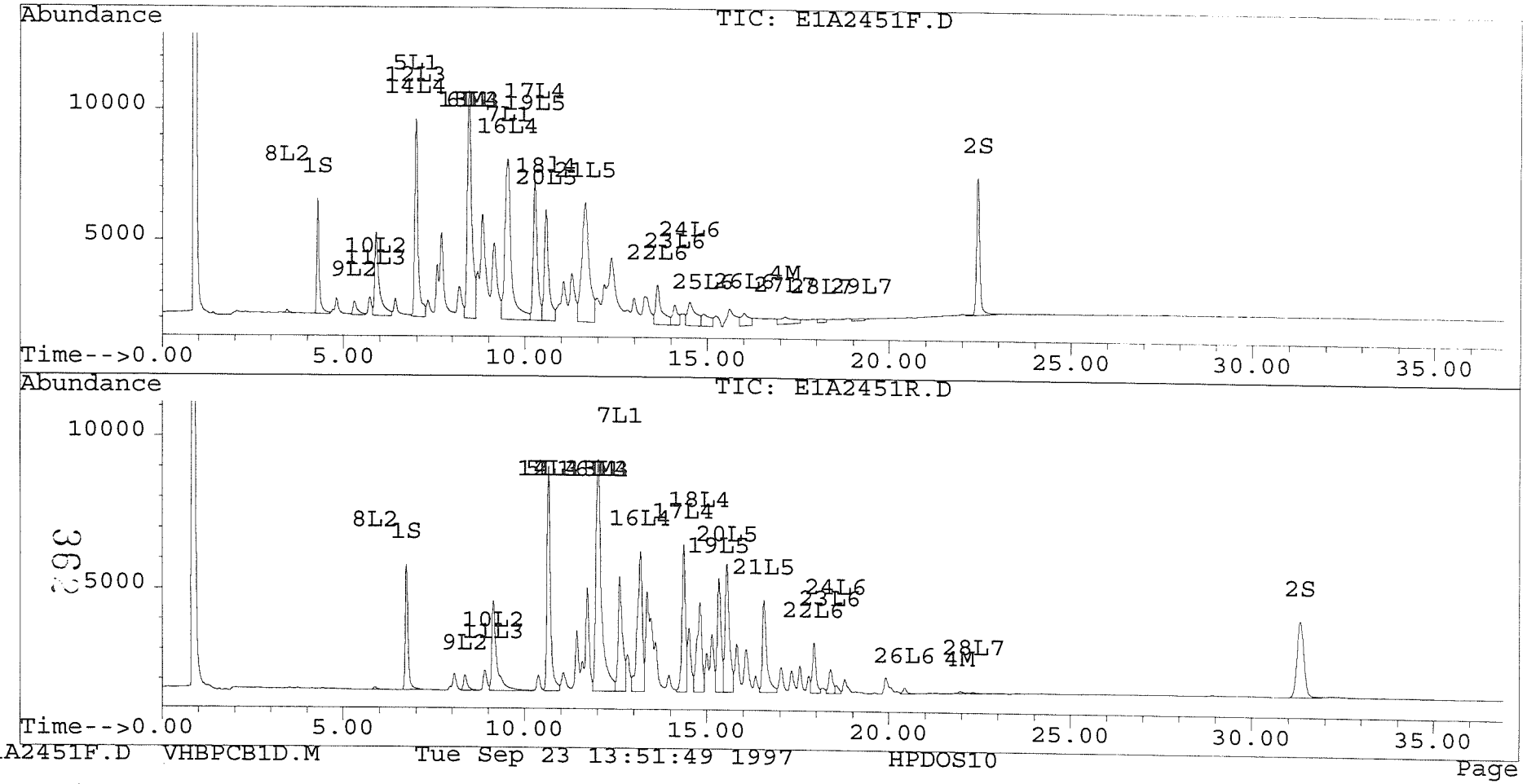


Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2451F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2451F.D\E1A2451R.D
Acq On : 20 Sep 97 03:20 PM Operator: JS
Sample : AR1242DG,AR1242DG,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 16:08 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2452F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2452F.D\E1A2452R.D
Acq On : 20 Sep 97 04:09 PM Operator: JS
Sample : AR1254DG,AR1254DG,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 16:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
	System Monitoring Compounds							
1) S	Tetrachloro-m-xylen	4.28	6.72	4536	4201	21.277	20.944	
				Recovery	=	53.19%	52.36%	
2) S	Decachlorobiphenyl	22.44	31.32	5139	2401	21.034	20.107	
				Recovery	=	52.58%	50.27%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.48f	12.00	130	162	1.819	2.286	#
4) M	2,2',3,3',4,4'-Hexa	17.13	21.95	3266	2988	20.875	19.010	
5) L1	Aroclor-1016	6.99	10.65	150	163	5.500	6.103	
6) L1	Aroclor-1016 (2)	8.48	12.00	130	162	3.421	5.625	#
7) L1	Aroclor-1016 (3)	9.48f	12.63	5162	64	239.034	4.668	#
Total	Aroclor-1016			5442	389	247.955	16.396	
Average	Aroclor-1016					82.652	5.465	
8) L2	Aroclor-1221	3.44	0.00	28	0	3.273	N.D.	#
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.	
10) L2	Aroclor-1221 (3)	5.91	9.13	37	43	2.112	2.892	#
Total	Aroclor-1221			64	43	5.385	2.892	
Average	Aroclor-1221					2.692	2.892	
11) L3	Aroclor-1232	5.91	9.13	37	43	2.736	3.593	#
12) L3	Aroclor-1232 (2)	6.99	10.65	150	163	12.338	13.097	
13) L3	Aroclor-1232 (3)	8.48	12.00	130	162	8.062	13.312	#
Total	Aroclor-1232			317	368	23.136	30.002	
Average	Aroclor-1232					7.712	10.001	
14) L4	Aroclor-1242	6.99	10.65	150	163	4.095	4.521	
15) L4	Aroclor-1242 (2)	8.48	12.00	130	162	2.938	4.199	#
16) L4	Aroclor-1242 (3)	9.48f	13.18	5162	5128	181.570	236.060	#
17) L4	Aroclor-1242 (4)	10.26	14.36	2489	2683	102.226	117.196	
18) L4	Aroclor-1242 (5)	10.57	14.81	888	830	44.688	59.645	#
Total	Aroclor-1242			8819	8967	335.517	421.620	
Average	Aroclor-1242					67.103	84.324	
19) L5	Aroclor-1248	10.26	15.33	2489	2972	106.000	151.733	#

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2464F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2464F.D\E1A2464R.D
Acq On : 21 Sep 97 00:23 AM Operator: JS
Sample : AR1248DH,AR1248DH,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	6792	7093	348.915	356.579
21) L5	Aroclor-1248 {3}	11.64	16.56	8334	5334	359.135	349.440
Total	Aroclor-1248			23493	19390	1064.422	1061.473
Average	Aroclor-1248					354.807	353.824
22) L6	Aroclor-1254	13.62	17.94	4000	4663	68.253	70.756
23) L6	Aroclor-1254 {2}	14.10	18.38	1648	2554	54.274	72.303 #
24) L6	Aroclor-1254 {3}	14.50	18.55	2171	689	69.381	24.159 #
25) L6	Aroclor-1254 (4)	14.90	0.00	664	0	24.733	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	848	646	17.539	14.518
Total	Aroclor-1254			9331	8551	234.181	181.736
Average	Aroclor-1254					46.836	45.434
27) L7	Aroclor-1260	17.13	21.83	337	105	12.194	4.273 #
28) L7	Aroclor-1260 {2}	18.12	22.32	157	179	3.100	3.136
29) L7	Aroclor-1260 {3}	19.23	24.22	92	75	2.458	3.141 #
Total	Aroclor-1260			586	359	17.753	10.550
Average	Aroclor-1260					5.918	3.517

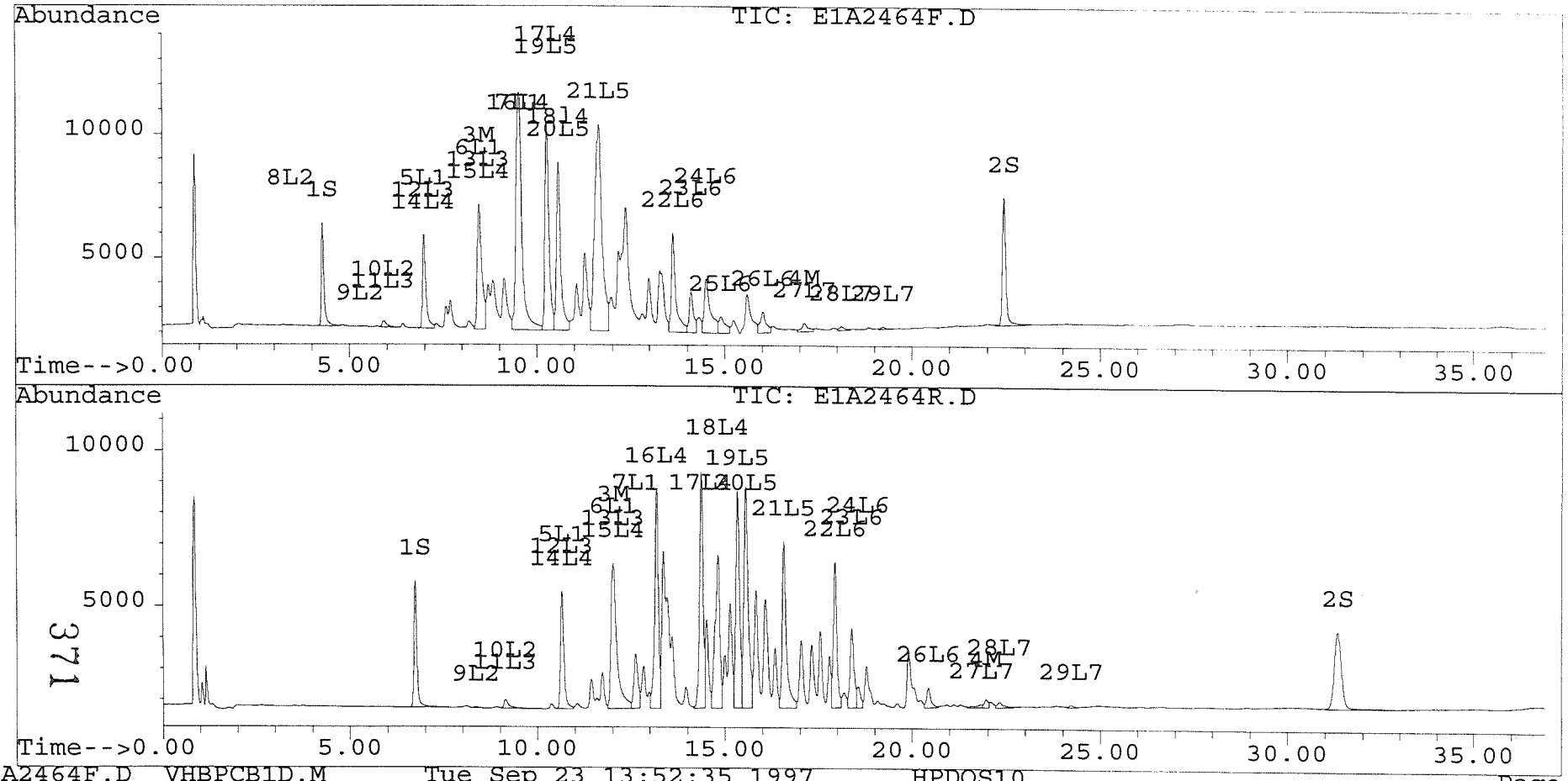
370
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2464F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2464F.D\E1A2464R.D
Acq On : 21 Sep 97 00:23 AM Operator: JS
Sample : AR1248DH,AR1248DH,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2465F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2465F.D\E1A2465R.D
Acq On : 21 Sep 97 01:04 AM Operator: JS
Sample : COGDH,COGDH,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	1884	1856	8.836	9.252
					Recovery	=	22.09%	23.13%
2)	S	Decachlorobiphenyl	22.44	31.34	2610	1238	10.682	10.371
					Recovery	=	26.71%	25.93%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.03	75193	75956	1052.902	1069.518
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.96	172532	171934	1102.724	1093.676
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 (2)	8.42f	12.03	75193	75956	1980.575	2631.190
7)	L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			75193	75956	1980.575	2631.190
		Average Aroclor-1016					1980.575	2631.190
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 (2)	5.29	8.35	79	90	12.146	14.761
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			79	90	12.146	14.761
		Average Aroclor-1221					12.146	14.761
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	12.03	75193	75956	4667.191	6226.707
		Total Aroclor-1232			75193	75956	4667.191	6226.707
		Average Aroclor-1232					4667.191	6226.707
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 (2)	8.42f	12.03	75193	75956	1700.556	1964.334
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	297	0	14.951	N.D. #
		Total Aroclor-1242			75490	75956	1715.507	1964.334
		Average Aroclor-1242					857.753	1964.334
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

372

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2465F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2465F.D\E1A2465R.D
Acq On : 21 Sep 97 01:04 AM Operator: JS
Sample : COGDH,COGDH,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.57	297	40	15.260	2.006 #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			297	40	15.260	2.006
Average	Aroclor-1248					15.260	2.006
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.11	0.00	454	0	14.944	N.D. #
24) L6	Aroclor-1254 {3}	14.49	0.00	638	0	20.391	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			1092	0	35.334	N.D.
Average	Aroclor-1254					17.667	0.000
27) L7	Aroclor-1260	17.11	0.00	172532	0	6241.706	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	114	85	3.057	3.538
Total	Aroclor-1260			172646	85	6244.763	3.538
Average	Aroclor-1260					3122.382	3.538

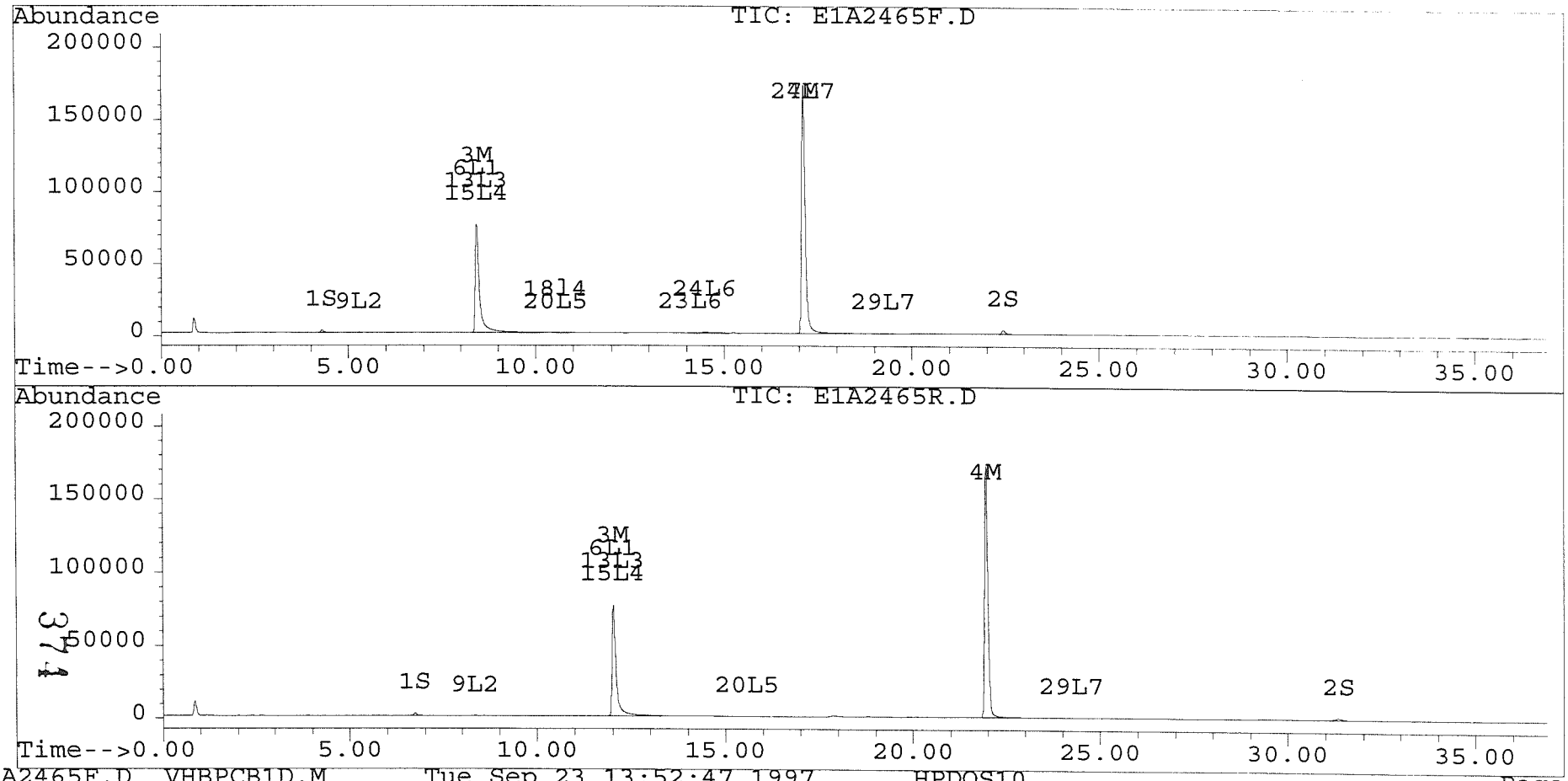
373
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2465F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2465F.D\E1A2465R.D
Acq On : 21 Sep 97 01:04 AM Operator: JS
Sample : COGDH,COGDH,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2466F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2466F.D\E1A2466R.D
Acq On : 21 Sep 97 01:44 AM Operator: JS
Sample : AR1242DH,AR1242DH,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	4085	3936	19.158	19.623
					Recovery	=	47.90%	49.06%
2)	S	Decachlorobiphenyl	22.44	31.34	5050	2432	20.672	20.371
					Recovery	=	51.68%	50.93%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.02	8624	7569	120.765	106.571
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	78	73	0.502	0.467
5)	L1	Aroclor-1016	6.98	10.66	7330	7176	268.692	269.102
6)	L1	Aroclor-1016 {2}	8.44	12.02	8624	7569	227.167	262.183
7)	L1	Aroclor-1016 {3}	9.52	12.62	5912	3658	273.759	266.417
		Total Aroclor-1016			21866	18403	769.617	797.702
		Average Aroclor-1016					256.539	265.901
8)	L2	Aroclor-1221	3.44	5.88	106	79	12.509	10.695
9)	L2	Aroclor-1221 {2}	5.29	8.36	503	513	77.554	84.042
10)	L2	Aroclor-1221 {3}	5.89	9.14	3124	2973	180.081	202.269
		Total Aroclor-1221			3733	3565	270.144	297.005
		Average Aroclor-1221					90.048	99.002
11)	L3	Aroclor-1232	5.89	9.14	3124	2973	233.314	251.297
12)	L3	Aroclor-1232 {2}	6.98	10.66	7330	7176	602.728	577.461
13)	L3	Aroclor-1232 {3}	8.44	12.02	8624	7569	535.314	620.455
		Total Aroclor-1232			19078	17718	1371.357	1449.213
		Average Aroclor-1232					457.119	483.071
14)	L4	Aroclor-1242	6.98	10.66	7330	7176	200.037	199.318
15)	L4	Aroclor-1242 {2}	8.44	12.02	8624	7569	195.049	195.734
16)	L4	Aroclor-1242 {3}	9.52	13.18	5912	4489	207.947	206.641
17)	L4	Aroclor-1242 (4)	10.26	14.37	5073	4675	208.376	204.167
18)	L4	Aroclor-1242 (5)	10.57	14.81	4054	2779	204.070	199.654
		Total Aroclor-1242			30994	26687	1015.479	1005.514
		Average Aroclor-1242					203.096	201.103
19)	L5	Aroclor-1248	10.26	15.34	5073	3656	216.069	186.656

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2466F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2466F.D\E1A2466R.D
Acq On : 21 Sep 97 01:44 AM Operator: JS
Sample : AR1242DH,AR1242DH,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4054	4113	208.291	206.787
21) L5	Aroclor-1248 {3}	11.65	16.57	4421	3030	190.510	198.512
Total	Aroclor-1248			13548	10800	614.870	591.955
Average	Aroclor-1248					204.957	197.318
22) L6	Aroclor-1254	13.63	17.94	1383	1603	23.599	24.332
23) L6	Aroclor-1254 {2}	14.11	18.39	644	790	21.200	22.379
24) L6	Aroclor-1254 {3}	14.52	18.56	766	244	24.491	8.573 #
25) L6	Aroclor-1254 (4)	14.90	0.00	350	0	13.024	N.D. #
26) L6	Aroclor-1254 (5)	16.02	20.44	279	186	5.776	4.176 #
Total	Aroclor-1254			3422	2824	88.091	59.461
Average	Aroclor-1254					17.618	14.865
27) L7	Aroclor-1260	17.13	21.83	78	20	2.839	0.821 #
28) L7	Aroclor-1260 {2}	18.12	22.33	23	35	0.458	0.615 #
29) L7	Aroclor-1260 {3}	19.24	0.00	14	0	0.378	N.D. #
Total	Aroclor-1260			116	55	3.675	1.436
Average	Aroclor-1260					1.225	0.718

376

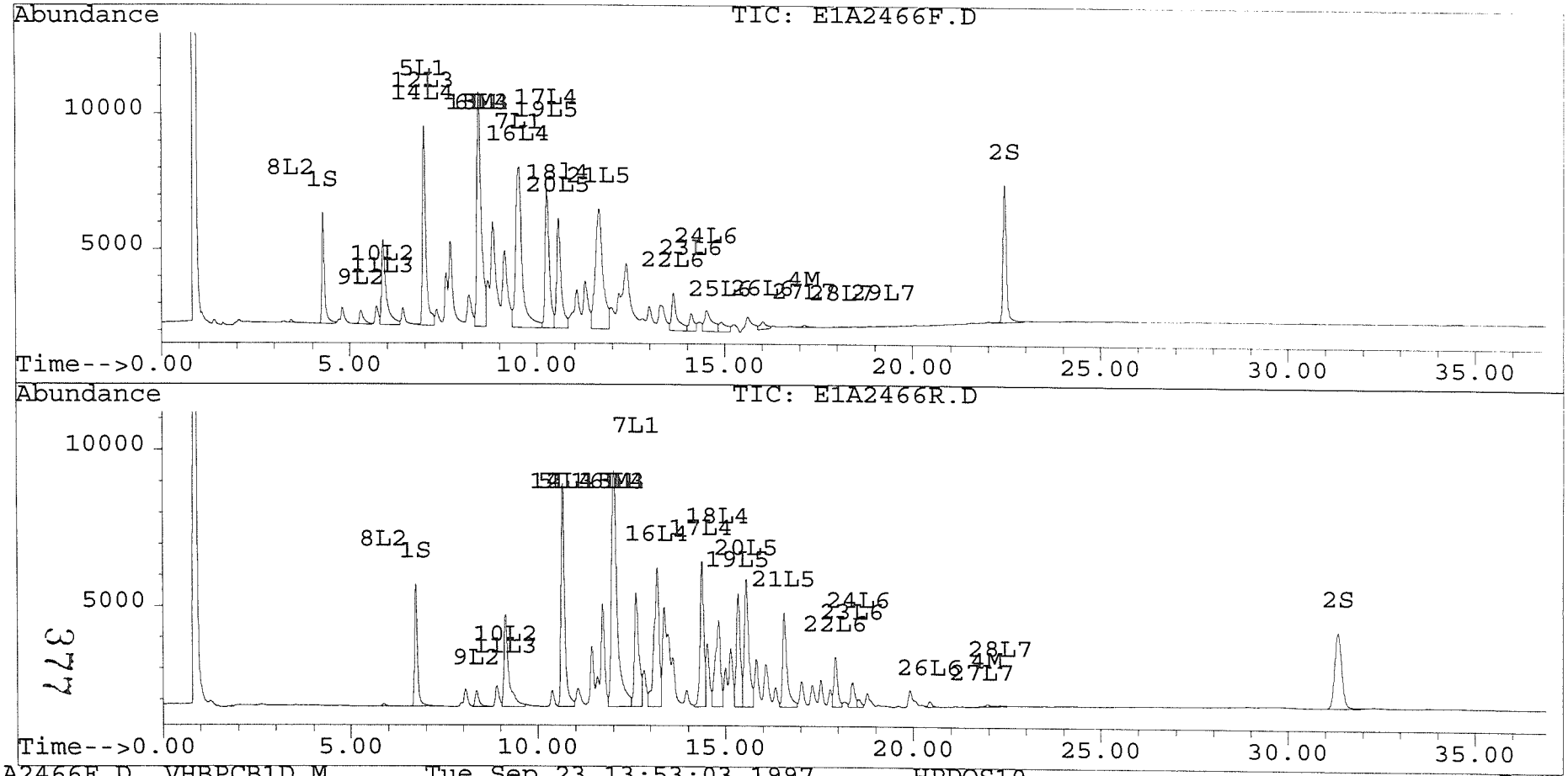
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2466F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2466F.D\E1A2466R.D
Acq On : 21 Sep 97 01:44 AM Operator: JS
Sample : AR1242DH,AR1242DH,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



3717

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D\E1A2467R.D
Acq On : 21 Sep 97 02:25 AM Operator: JS
Sample : AR1254DH,AR1254DH,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.28	6.74	4271	4103	20.031	20.453	
					Recovery	=	50.08%	51.13%	
2)	S	Decachlorobiphenyl	22.44	31.35	5283	2460	21.626	20.603	
					Recovery	=	54.07%	51.51%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.48f	12.02	121	151	1.693	2.127	#
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	3242	3046	20.719	19.374	
5)	L1	Aroclor-1016	6.99	10.66	147	162	5.382	6.090	
6)	L1	Aroclor-1016 {2}	8.48	12.02	121	151	3.185	5.232	#
7)	L1	Aroclor-1016 {3}	9.47f	12.63	5050	53	233.826	3.826	#
	Total	Aroclor-1016			5317	366	242.392	15.147	
	Average	Aroclor-1016					80.797	5.049	
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}	5.91	9.15	33	42	1.919	2.824	#
	Total	Aroclor-1221			33	42	1.919	2.824	
	Average	Aroclor-1221					1.919	2.824	
11)	L3	Aroclor-1232	5.91	9.15	33	42	2.486	3.509	#
12)	L3	Aroclor-1232 {2}	6.99	10.66	147	162	12.072	13.067	
13)	L3	Aroclor-1232 {3}	8.48	12.02	121	151	7.504	12.381	#
	Total	Aroclor-1232			301	355	22.063	28.957	
	Average	Aroclor-1232					7.354	9.652	
14)	L4	Aroclor-1242	6.99	10.66	147	162	4.007	4.510	
15)	L4	Aroclor-1242 {2}	8.48	12.02	121	151	2.734	3.906	#
16)	L4	Aroclor-1242 {3}	9.47f	13.19	5050	5081	177.614	233.861	#
17)	L4	Aroclor-1242 (4)	10.26	14.37	2410	2681	99.006	117.110	
18)	L4	Aroclor-1242 (5)	10.57	14.82	867	836	43.628	60.081	#
	Total	Aroclor-1242			8595	8912	326.989	419.468	
	Average	Aroclor-1242					65.398	83.894	
19)	L5	Aroclor-1248	10.26	15.34	2410	2993	102.661	152.825	#

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D\E1A2467R.D
Acq On : 21 Sep 97 02:25 AM Operator: JS
Sample : AR1254DH,AR1254DH,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	867	1079	44.531	54.242
21) L5	Aroclor-1248 (3)	0.00	16.57	0	768	N.D.	50.295 #
Total	Aroclor-1248			3277	4840	147.191	257.362
Average	Aroclor-1248					73.596	85.787
22) L6	Aroclor-1254	13.62	17.94	13540	14780	231.054	224.290
23) L6	Aroclor-1254 (2)	14.10	18.38	6866	7898	226.167	223.594
24) L6	Aroclor-1254 (3)	14.49	18.57	7034	6291	224.760	220.680
25) L6	Aroclor-1254 (4)	14.89	18.88	6160	6390	229.457	222.687
26) L6	Aroclor-1254 (5)	16.01	20.43	11060	10009	228.717	224.977
Total	Aroclor-1254			44661	45369	1140.155	1116.228
Average	Aroclor-1254					228.031	223.246
27) L7	Aroclor-1260	17.13	21.83	3242	705	117.276	28.732 #
28) L7	Aroclor-1260 (2)	18.11	22.32	1461	1648	28.774	28.826
29) L7	Aroclor-1260 (3)	19.23	24.23	1039	883	27.853	36.922 #
Total	Aroclor-1260			5742	3236	173.903	94.481
Average	Aroclor-1260					57.968	31.494

379

9/23/97

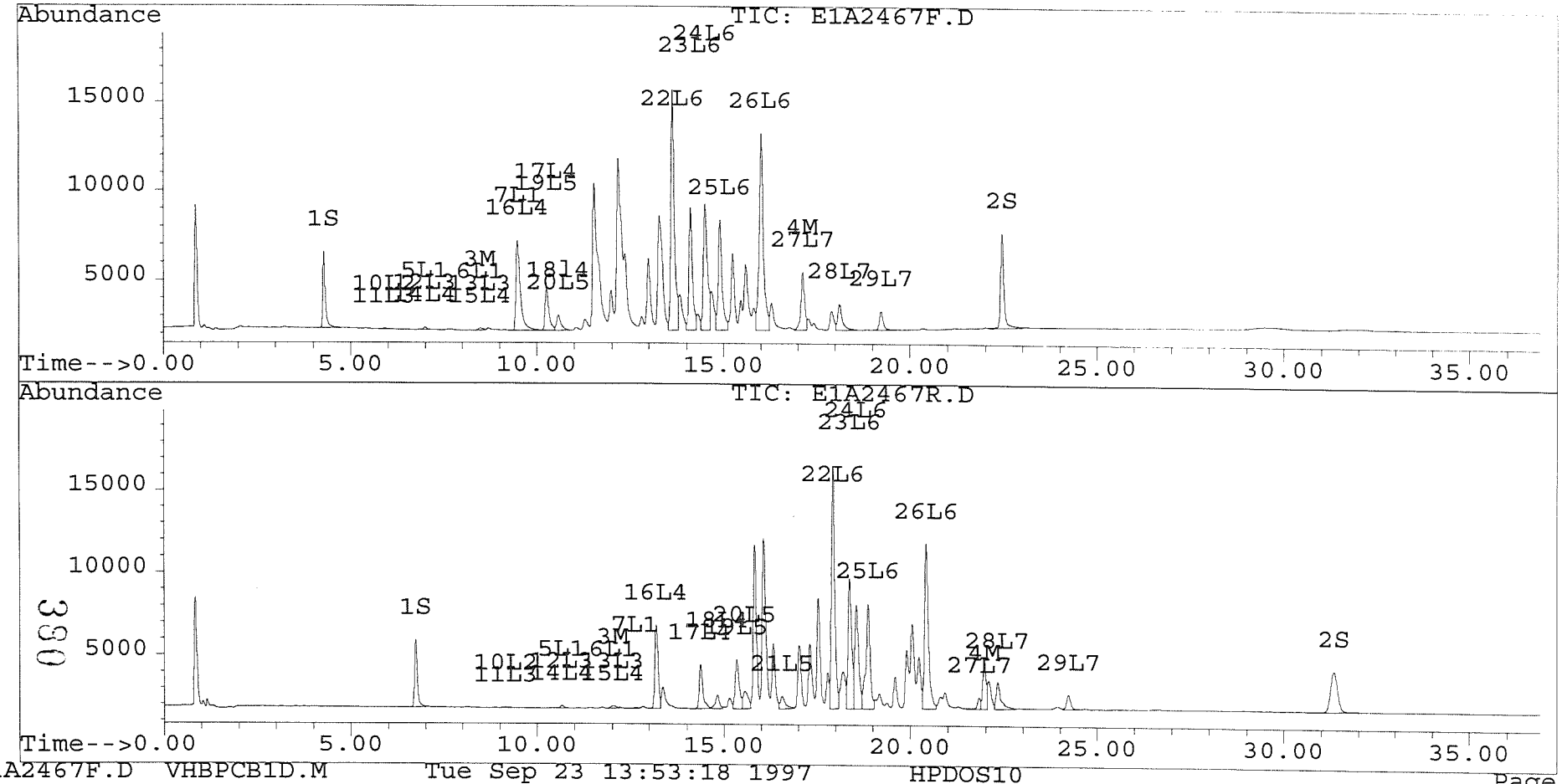
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2467F.D\E1A2467R.D
Acq On : 21 Sep 97 02:25 AM Operator: JS
Sample : AR1254DH,AR1254DH,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



390

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D\E1A2468R.D
Acq On : 21 Sep 97 03:05 AM Operator: JS
Sample : AR1660DH,AR1660DH,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	4130	3893	19.372	19.408
					Recovery	=	48.43%	48.52%
2)	S	Decachlorobiphenyl	22.44	31.35	5151	2417	21.083	20.245
					Recovery	=	52.71%	50.61%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.02	11197	9739	156.792	137.134
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.98	9935	2493	63.497	15.857 #
5)	L1	Aroclor-1016	6.98	10.66	9389	9085	344.182	340.685
6)	L1	Aroclor-1016 (2)	8.44	12.02	11197	9739	294.936	337.371
7)	L1	Aroclor-1016 (3)	9.52	12.62	7504	4670	347.487	340.089
	Total	Aroclor-1016			28091	23494	986.605	1018.146
	Average	Aroclor-1016					328.868	339.382
8)	L2	Aroclor-1221	3.44	5.88	80	48	9.414	6.564 #
9)	L2	Aroclor-1221 (2)	5.29	8.36	505	526	77.862	86.050
10)	L2	Aroclor-1221 (3)	5.89	9.14	3450	3230	198.890	219.749
	Total	Aroclor-1221			4035	3804	286.166	312.363
	Average	Aroclor-1221					95.389	104.121
11)	L3	Aroclor-1232	5.89	9.14	3450	3230	257.682	273.014
12)	L3	Aroclor-1232 (2)	6.98	10.66	9389	9085	772.069	731.069
13)	L3	Aroclor-1232 (3)	8.44	12.02	11197	9739	695.012	798.389
	Total	Aroclor-1232			24037	22054	1724.763	1802.472
	Average	Aroclor-1232					574.921	600.824
14)	L4	Aroclor-1242	6.98	10.66	9389	9085	256.239	252.337
15)	L4	Aroclor-1242 (2)	8.44	12.02	11197	9739	253.237	251.867
16)	L4	Aroclor-1242 (3)	9.52	13.18	7504	5514	263.951	253.822
17)	L4	Aroclor-1242 (4)	10.26	14.37	5932	5311	243.682	231.973
18)	L4	Aroclor-1242 (5)	10.57	14.82	4257	2942	214.283	211.336
	Total	Aroclor-1242			38280	32591	1231.393	1201.335
	Average	Aroclor-1242					246.279	240.267
19)	L5	Aroclor-1248	10.26	15.34	5932	688	252.679	35.136 #

381

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D\E1A2468R.D
Acq On : 21 Sep 97 03:05 AM Operator: JS
Sample : AR1660DH,AR1660DH,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4257	1296	218.715	65.131 #
21) L5	Aroclor-1248 {3}	0.00	16.58	0	165	N.D.	10.821 #
Total	Aroclor-1248			10190	2149	471.394	111.089
Average	Aroclor-1248					235.697	37.030
22) L6	Aroclor-1254	13.63	17.92	6825	6656	116.471	101.004
23) L6	Aroclor-1254 {2}	14.10	18.38	11523	697	379.547	19.735 #
24) L6	Aroclor-1254 {3}	14.49	18.57	1145	11908	36.586	417.747 #
25) L6	Aroclor-1254 (4)	14.90	18.89	12182	13011	453.759	453.384
26) L6	Aroclor-1254 (5)	16.01	20.43	12598	11394	260.524	256.096
Total	Aroclor-1254			44273	43666	1246.888	1247.967
Average	Aroclor-1254					249.378	249.593
27) L7	Aroclor-1260	17.13	21.83	9935	8536	359.412	347.942
28) L7	Aroclor-1260 {2}	18.10	22.32	18451	20415	363.310	357.168
29) L7	Aroclor-1260 {3}	19.22	24.22	13575	8354	364.030	349.303
Total	Aroclor-1260			41961	37305	1086.752	1054.413
Average	Aroclor-1260					362.251	351.471

382

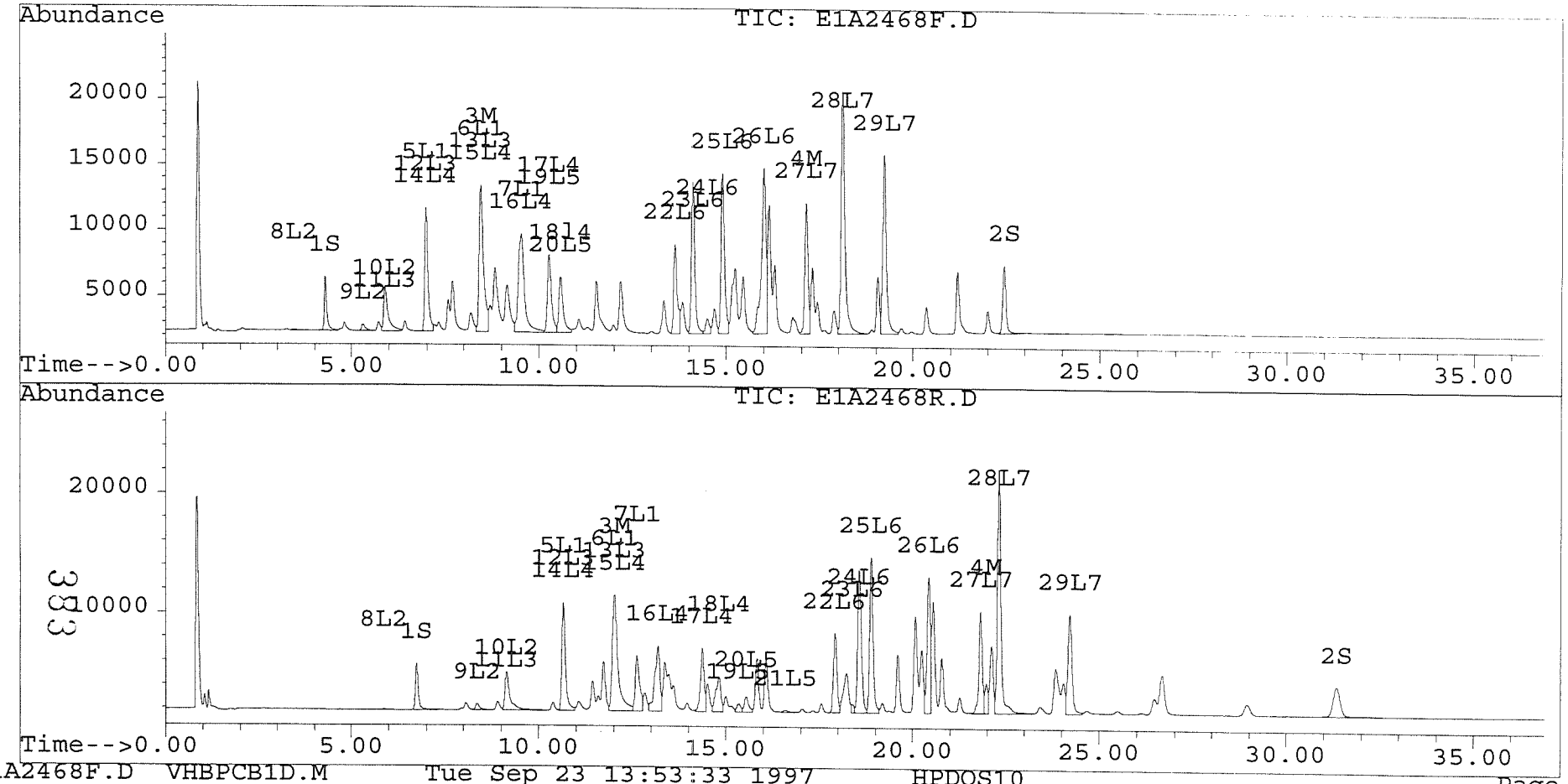
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2468F.D\E1A2468R.D
Acq On : 21 Sep 97 03:05 AM Operator: JS
Sample : AR1660DH,AR1660DH,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:27 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2479F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2479F.D\E1A2479R.D
Acq On : 21 Sep 97 10:31 AM Operator: JS
Sample : AR1248DI,AR1248DI,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	10347	7565	48.531	37.711
					Recovery	=	121.33%	94.28%
2)	S	Decachlorobiphenyl	22.42	31.32	12824	5307	52.493	44.449
					Recovery	=	131.23%	111.12%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.00	11588	9584	162.257	134.950
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.96	723	766	4.622	4.872
5)	L1	Aroclor-1016	6.97	10.65	7919	6482	290.297	243.065
6)	L1	Aroclor-1016 (2)	8.43	12.00	11588	9584	305.216	331.999
7)	L1	Aroclor-1016 (3)	9.50	12.61	20245	3436	937.423	250.230 #
		Total Aroclor-1016			39751	19502	1532.936	825.294
		Average Aroclor-1016					510.979	275.098
8)	L2	Aroclor-1221	3.43	0.00	299	0	35.152	N.D. #
9)	L2	Aroclor-1221 (2)	5.28	8.35	86	54	13.253	8.865 #
10)	L2	Aroclor-1221 (3)	5.89	9.14	591	537	34.061	36.500
		Total Aroclor-1221			976	591	82.466	45.364
		Average Aroclor-1221					27.489	22.682
11)	L3	Aroclor-1232	5.89	9.14	591	537	44.130	45.347
12)	L3	Aroclor-1232 (2)	6.97	10.65	7919	6482	651.194	521.587
13)	L3	Aroclor-1232 (3)	8.43	12.00	11588	9584	719.236	785.676
		Total Aroclor-1232			20098	16602	1414.560	1352.610
		Average Aroclor-1232					471.520	450.870
14)	L4	Aroclor-1242	6.97	10.65	7919	6482	216.123	180.032
15)	L4	Aroclor-1242 (2)	8.43	12.00	11588	9584	262.064	247.857
16)	L4	Aroclor-1242 (3)	9.50	13.17	20245	12442	712.066	572.712
17)	L4	Aroclor-1242 (4)	10.24	14.36	18504	13631	760.090	595.339
18)	L4	Aroclor-1242 (5)	10.55	14.80	15321	9271	771.170	666.037
		Total Aroclor-1242			73577	51409	2721.511	2261.976
		Average Aroclor-1242					544.302	452.395
19)	L5	Aroclor-1248	10.24	15.32	18504	13869	788.151	708.062

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2479F.D VHBPCB1D.M Tue Sep 23 13:53:38 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2479F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2479F.D\E1A2479R.D
Acq On : 21 Sep 97 10:31 AM Operator: JS
Sample : AR1248DI,AR1248DI,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15321	14348	787.121	721.337
21) L5	Aroclor-1248 (3)	11.63	16.56	19578	11392	843.632	746.251
Total	Aroclor-1248			53404	39609	2418.904	2175.650
Average	Aroclor-1248					806.301	725.217
22) L6	Aroclor-1254	13.61	17.93	9445	9188	161.171	139.427
23) L6	Aroclor-1254 (2)	14.08	18.37	3799	5297	125.125	149.973
24) L6	Aroclor-1254 (3)	14.48	18.55	5296	1226	169.202	43.012 #
25) L6	Aroclor-1254 (4)	14.88	0.00	1428	0	53.208	N.D. #
26) L6	Aroclor-1254 (5)	16.00	20.42	1850	1273	38.251	28.623 #
Total	Aroclor-1254			21817	16985	546.956	361.035
Average	Aroclor-1254					109.391	90.259
27) L7	Aroclor-1260	17.11	21.83	723	429	26.160	17.484 #
28) L7	Aroclor-1260 (2)	18.10	22.31	303	637	5.970	11.141 #
29) L7	Aroclor-1260 (3)	19.21	24.21	241	670	6.460	28.032 #
Total	Aroclor-1260			1267	1736	38.590	56.656
Average	Aroclor-1260					12.863	18.885

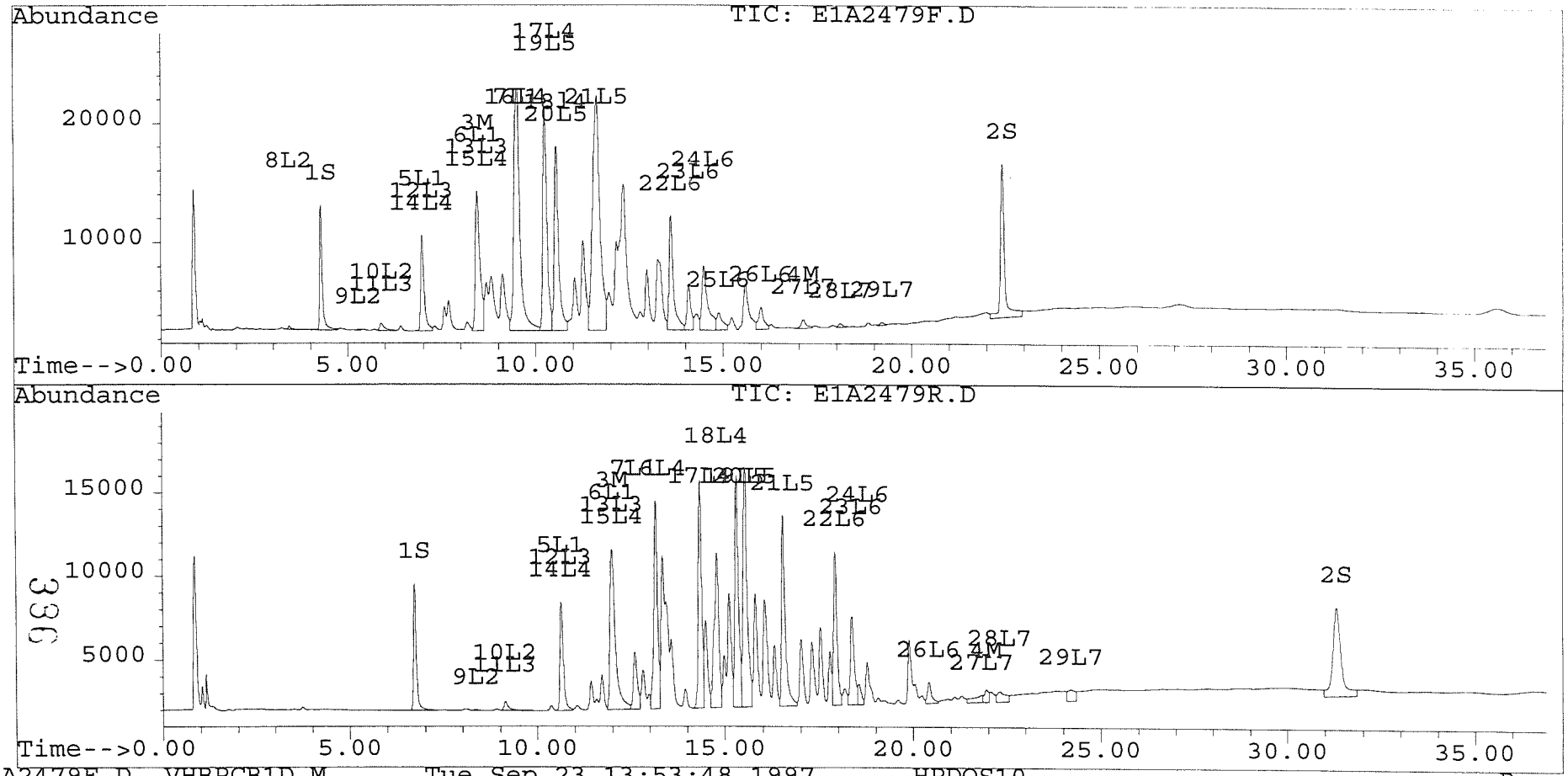
385
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2479F.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2479F.D\E1A2479R.D
Acq On : 21 Sep 97 10:31 AM Operator: JS
Sample : AR1248DI,AR1248DI,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2480F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2480F.D\E1A2480R.D
Acq On : 21 Sep 97 11:11 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	5441	3997	25.522	19.923
					Recovery	=	63.81%	49.81%
2)	S	Decachlorobiphenyl	22.42	31.31	7441	2975	30.458	24.915
					Recovery	=	76.15%	62.29%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.41	12.01	183443	156622	2568.701	2205.359
4)	M	2,2',3,3',4,4'-Hexa	17.10	21.94	415482	352241	2655.510	2240.614
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	0.00	12.01	0	156622	N.D.	5425.547 #
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1016			0	156622	N.D.	5425.547
	Average	Aroclor-1016					0.000	5425.547
8)	L2	Aroclor-1221	3.43	0.00	434	0	51.007	N.D. #
9)	L2	Aroclor-1221 {2}	5.27	8.33	276	214	42.566	35.109
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			710	214	93.573	35.109
	Average	Aroclor-1221					46.786	35.109
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13)	L3	Aroclor-1232 {3}	0.00	12.01	0	156622	N.D.	12839.548 #
	Total	Aroclor-1232			0	156622	N.D.	12839.548
	Average	Aroclor-1232					0.000	12839.548
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	0.00	12.01	0	156622	N.D.	4050.482 #
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	156622	N.D.	4050.482
	Average	Aroclor-1242					0.000	4050.482
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2480F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2480F.D\E1A2480R.D
Acq On : 21 Sep 97 11:11 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	320	N.D.	16.082 #
21) L5	Aroclor-1248 {3}	11.69	16.57	560	292	24.111	19.100
Total	Aroclor-1248			560	611	24.111	35.182
Average	Aroclor-1248					24.111	17.591
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.09	0.00	1693	0	55.766	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	364	0	7.530	N.D. #
Total	Aroclor-1254			2057	0	63.296	N.D.
Average	Aroclor-1254					31.648	0.000
27) L7	Aroclor-1260	17.10	0.00	415482	0	15030.875	N.D. #
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 {3}	19.22	24.21	501	693	13.442	28.988 #
Total	Aroclor-1260			415983	693	15044.317	28.988
Average	Aroclor-1260					7522.159	28.988

388

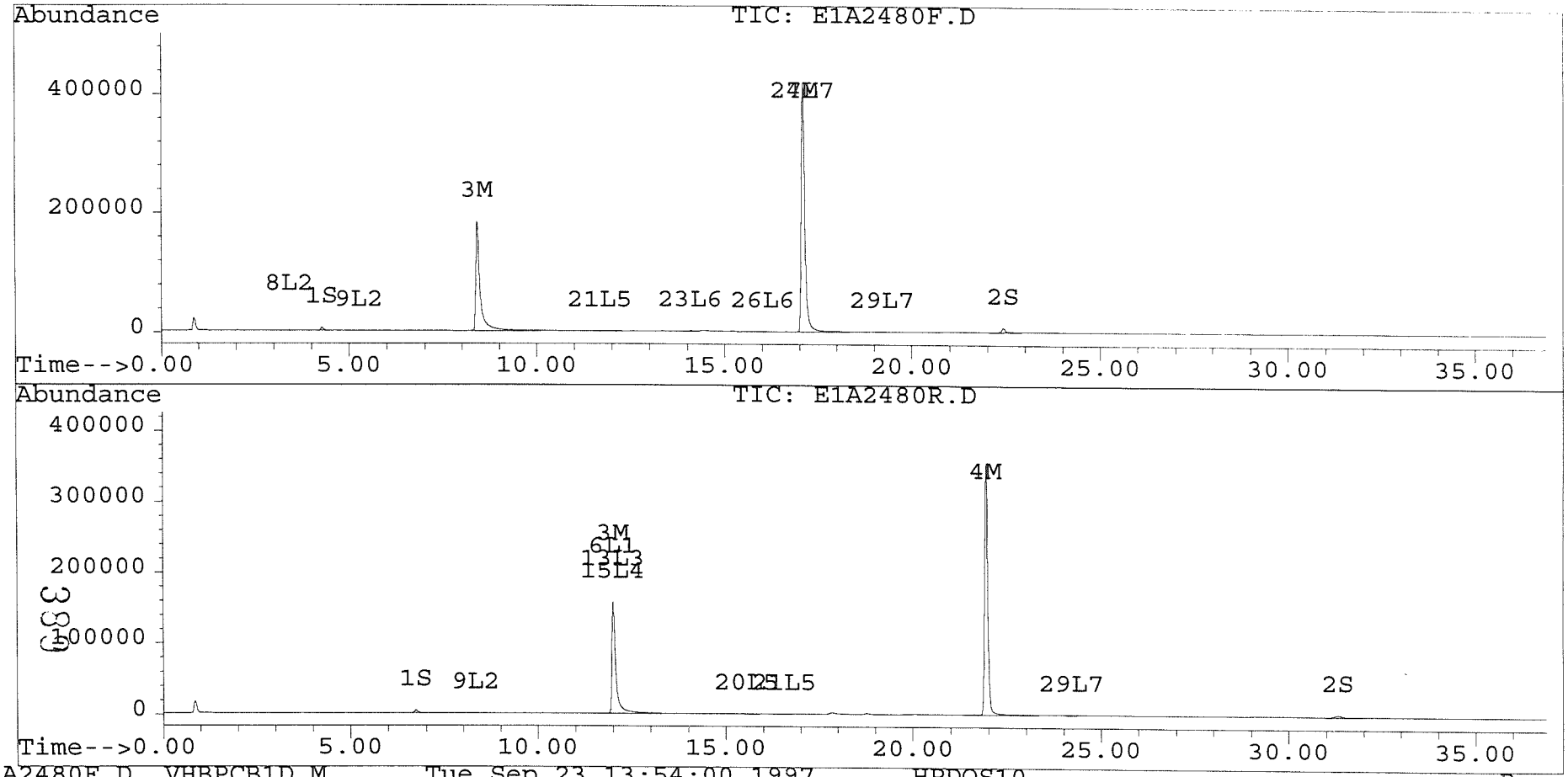
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2480F.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2480F.D\E1A2480R.D
Acq On : 21 Sep 97 11:11 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2481F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2481F.D\E1A2481R.D
Acq On : 21 Sep 97 11:52 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	14691	10683	68.906	53.253
					Recovery	=	172.27%	133.13%
2)	S	Decachlorobiphenyl	22.42	31.30	17682	6814	72.377	57.068
					Recovery	=	180.94%	142.67%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	30540	21831	427.643	307.392 #
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.96	460	199	2.940	1.266 #
5)	L1	Aroclor-1016	6.96	10.64	22279	17766	816.712	666.259
6)	L1	Aroclor-1016 (2)	8.43f	12.01	30540	21831	804.423	756.234
7)	L1	Aroclor-1016 (3)	9.50	12.60	19509	10155	903.364	739.500
		Total Aroclor-1016			72328	49752	2524.499	2161.993
		Average Aroclor-1016					841.500	720.664
8)	L2	Aroclor-1221	3.42	5.87	658	213	77.452	29.041 #
9)	L2	Aroclor-1221 (2)	5.28	8.34	1788	1383	275.884	226.419
10)	L2	Aroclor-1221 (3)	5.87	9.13	10286	7790	592.886	529.958
		Total Aroclor-1221			12732	9386	946.222	785.418
		Average Aroclor-1221					315.407	261.806
11)	L3	Aroclor-1232	5.87	9.13	10286	7790	768.146	658.414
12)	L3	Aroclor-1232 (2)	6.96	10.64	22279	17766	1832.048	1429.711
13)	L3	Aroclor-1232 (3)	8.43f	12.01	30540	21831	1895.609	1789.626
		Total Aroclor-1232			63105	47387	4495.802	3877.751
		Average Aroclor-1232					1498.601	1292.584
14)	L4	Aroclor-1242	6.96	10.64	22279	17766	608.032	493.482
15)	L4	Aroclor-1242 (2)	8.43f	12.01	30540	21831	690.691	564.572
16)	L4	Aroclor-1242 (3)	9.50	13.17	19509	11673	686.194	537.284
17)	L4	Aroclor-1242 (4)	10.24	14.36	17247	12841	708.427	560.837
18)	L4	Aroclor-1242 (5)	10.55	14.80	13900	7480	699.629	537.352
		Total Aroclor-1242			103475	71590	3392.974	2693.527
		Average Aroclor-1242					678.595	538.705
19)	L5	Aroclor-1248	10.24	15.32	17247	10645	734.581	543.470 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2481F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2481F.D\E1A2481R.D
Acq On : 21 Sep 97 11:52 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	13900	11929	714.100	599.706
21) L5	Aroclor-1248 (3)	11.63	16.56	16604	8732	715.481	571.977
Total	Aroclor-1248			47751	31305	2164.162	1715.153
Average	Aroclor-1248					721.387	571.718
22) L6	Aroclor-1254	13.61	17.93	4703	4318	80.264	65.519
23) L6	Aroclor-1254 (2)	14.09	18.38	2029	2255	66.823	63.850
24) L6	Aroclor-1254 (3)	14.49	18.55	2683	637	85.713	22.350 #
25) L6	Aroclor-1254 (4)	14.88	0.00	992	0	36.937	N.D. #
26) L6	Aroclor-1254 (5)	16.00	20.42	1064	496	22.006	11.142 #
Total	Aroclor-1254			11471	7706	291.744	162.861
Average	Aroclor-1254					58.349	40.715
27) L7	Aroclor-1260	17.11	0.00	460	0	16.641	N.D. #
28) L7	Aroclor-1260 (2)	18.10	22.31	267	99	5.253	1.729 #
29) L7	Aroclor-1260 (3)	19.21	24.21	252	34	6.758	1.411 #
Total	Aroclor-1260			979	133	28.651	3.140
Average	Aroclor-1260					9.550	1.570

391
9/23/97

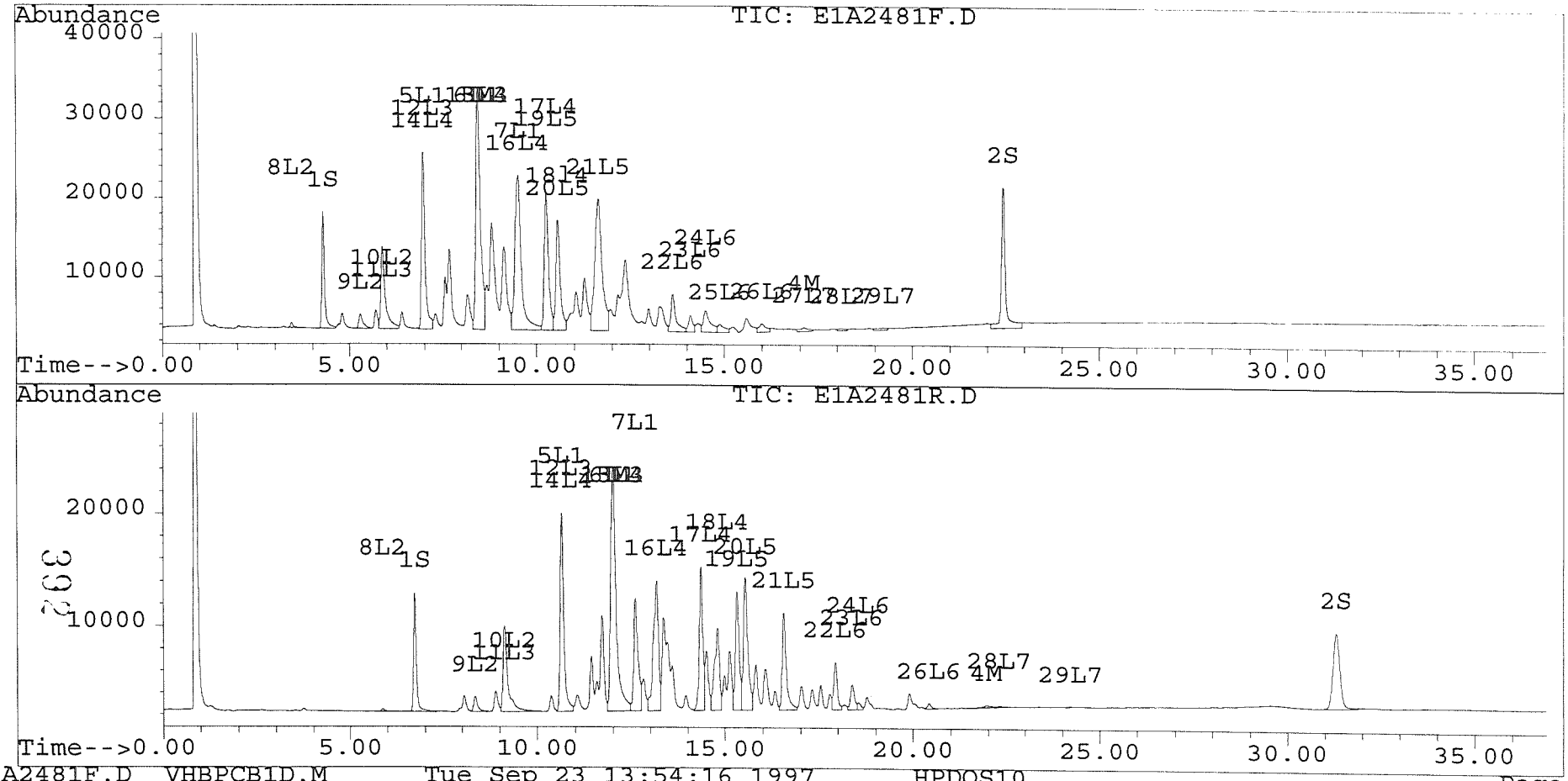
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2481F.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2481F.D\E1A2481R.D
Acq On : 21 Sep 97 11:52 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2482F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2482F.D\E1A2482R.D
Acq On : 21 Sep 97 12:33 PM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	17211	11946	80.728	59.550 #
				Recovery	=	201.82%	148.88%
2) S	Decachlorobiphenyl	22.42	31.30	19543	7458	79.994	62.457
				Recovery	=	199.99%	156.14%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.46	12.01	589	476	8.245	6.708
4) M	2,2',3,3',4,4'-Hexa	17.11	21.95	12834	8687	82.026	55.261 #
5) L1	Aroclor-1016	6.97	10.65	588	463	21.537	17.371
6) L1	Aroclor-1016 (2)	8.46	12.01	589	476	15.510	16.503
7) L1	Aroclor-1016 (3)	0.00	12.61	0	162	N.D.	11.794 #
Total	Aroclor-1016			1176	1102	37.046	45.667
Average	Aroclor-1016					18.523	15.222
8) L2	Aroclor-1221	3.42	0.00	473	0	55.593	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	172	133	9.894	9.039
Total	Aroclor-1221			644	133	65.487	9.039
Average	Aroclor-1221					32.744	9.039
11) L3	Aroclor-1232	5.89	9.14	172	133	12.818	11.230
12) L3	Aroclor-1232 (2)	6.97	10.65	588	463	48.311	37.276
13) L3	Aroclor-1232 (3)	8.46	12.01	589	476	36.548	39.054
Total	Aroclor-1232			1348	1072	97.677	87.560
Average	Aroclor-1232					32.559	29.187
14) L4	Aroclor-1242	6.97	10.65	588	463	16.034	12.866
15) L4	Aroclor-1242 (2)	8.46	12.01	589	476	13.317	12.320
16) L4	Aroclor-1242 (3)	0.00	13.18	0	14639	N.D.	673.829 #
17) L4	Aroclor-1242 (4)	10.24	14.36	9798	7999	402.445	349.384
18) L4	Aroclor-1242 (5)	10.55	14.81	3387	2259	170.463	162.308
Total	Aroclor-1242			14361	25837	602.258	1210.707
Average	Aroclor-1242					150.564	242.141
19) L5	Aroclor-1248	10.24	15.33	9798	9507	417.302	485.403

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2482F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2482F.D\E1A2482R.D
Acq On : 21 Sep 97 12:33 PM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.55	3387	3309	173.988	166.378	
21) L5	Aroclor-1248 {3}	0.00	16.55	0	2326	N.D.	152.380	#
Total	Aroclor-1248			13184	15143	591.291	804.161	
Average	Aroclor-1248					295.645	268.054	
22) L6	Aroclor-1254	13.61	17.93	50444	42428	860.815	643.851	#
23) L6	Aroclor-1254 {2}	14.08	18.37	25937	24911	854.339	705.231	
24) L6	Aroclor-1254 {3}	14.48f	18.56	29193	18522	932.762	649.767	#
25) L6	Aroclor-1254 (4)	14.88	18.87	22929	19324	854.093	673.383	
26) L6	Aroclor-1254 (5)	15.99	20.42	42919	29816	887.540	670.172	
Total	Aroclor-1254			171422	135001	4389.549	3342.404	
Average	Aroclor-1254					877.910	668.481	
27) L7	Aroclor-1260	17.11	21.82	12834	2171	464.290	88.476	#
28) L7	Aroclor-1260 {2}	18.09	22.31	5871	4926	115.611	86.190	#
29) L7	Aroclor-1260 {3}	19.21	24.20	3973	2602	106.530	108.806	
Total	Aroclor-1260			22678	9699	686.430	283.473	
Average	Aroclor-1260					228.810	94.491	

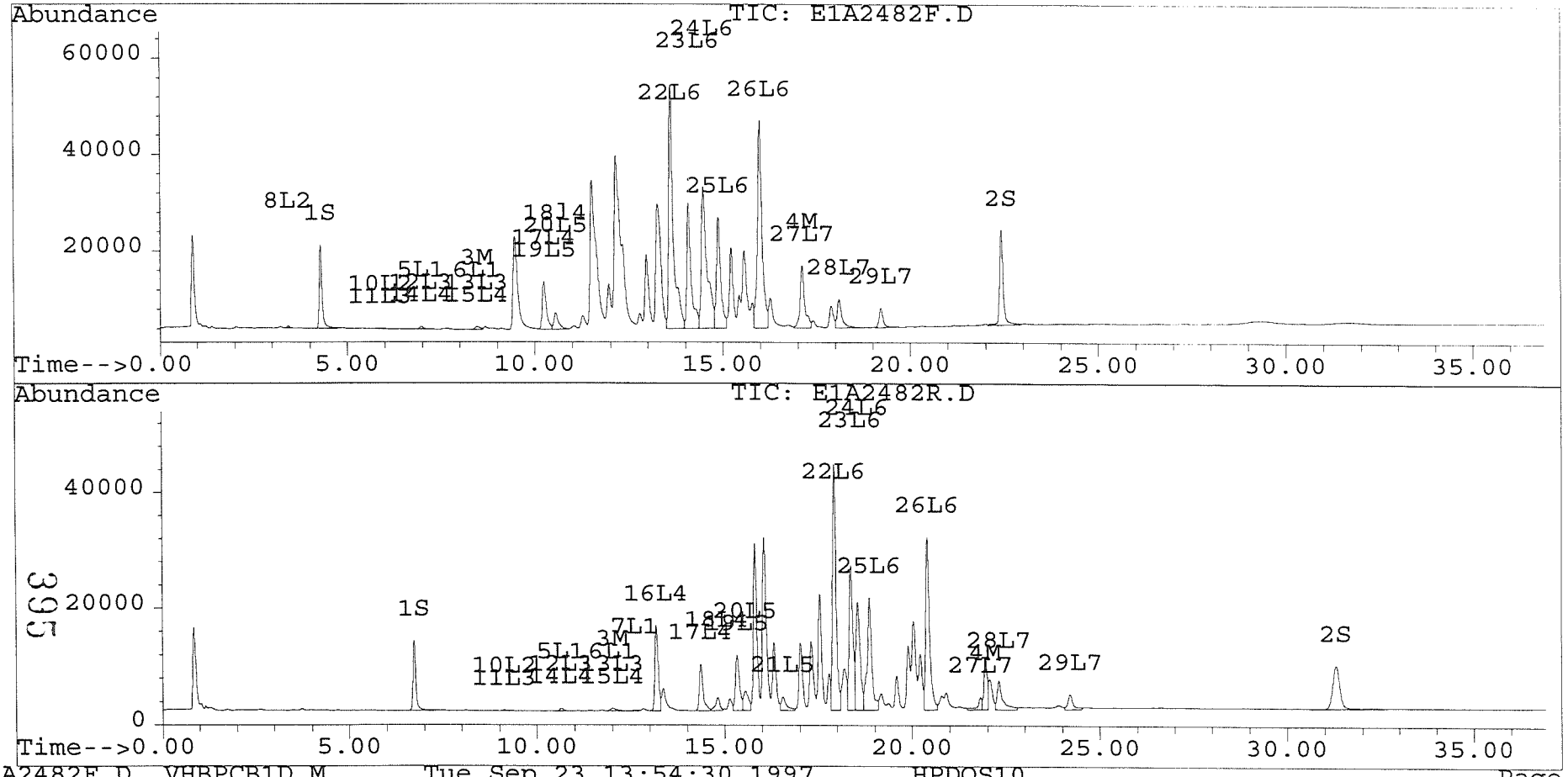
394
9/9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2482F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2482F.D\E1A2482R.D
Acq On : 21 Sep 97 12:33 PM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2483F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2483F.D\E1A2483R.D
Acq On : 21 Sep 97 01:13 PM Operator: JS
Sample : AR1660DI,AR1660DI,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	21651	13807	101.551	68.826 #
					Recovery	=	253.88%	172.07%
2)	S	Decachlorobiphenyl	22.42	31.30	23210	8527	95.004	71.411
					Recovery	=	237.51%	178.53%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	56163	36622	786.435	515.663 #
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.97	46371	8693	296.375	55.298 #
5)	L1	Aroclor-1016	6.97	10.65	40559	29110	1486.809	1091.667
6)	L1	Aroclor-1016 {2}	8.43f	12.01	56163	36622	1479.333	1268.617
7)	L1	Aroclor-1016 {3}	9.51	12.61	37333	16604	1728.698	1209.172
	Total	Aroclor-1016			134055	82337	4694.841	3569.456
	Average	Aroclor-1016					1564.947	1189.819
8)	L2	Aroclor-1221	3.43	5.87	967	175	113.789	23.888 #
9)	L2	Aroclor-1221 {2}	5.28	8.35	2661	1831	410.441	299.679 #
10)	L2	Aroclor-1221 {3}	5.87	9.13	16347	10944	942.287	744.537
	Total	Aroclor-1221			19975	12950	1466.517	1068.104
	Average	Aroclor-1221					488.839	356.035
11)	L3	Aroclor-1232	5.87	9.13	16347	10944	1220.832	925.004
12)	L3	Aroclor-1232 {2}	6.97	10.65	40559	29110	3335.209	2342.585
13)	L3	Aroclor-1232 {3}	8.43f	12.01	56163	36622	3486.023	3002.179
	Total	Aroclor-1232			113069	76676	8042.063	6269.768
	Average	Aroclor-1232					2680.688	2089.923
14)	L4	Aroclor-1242	6.97	10.65	40559	29110	1106.911	808.571 #
15)	L4	Aroclor-1242 {2}	8.43	12.01	56163	36622	1270.181	947.095 #
16)	L4	Aroclor-1242 {3}	9.51	13.17	37333	19267	1313.117	886.857 #
17)	L4	Aroclor-1242 (4)	10.25	14.36	29804	18617	1224.223	813.114 #
18)	L4	Aroclor-1242 (5)	10.56	14.80	21714	10264	1092.935	737.374 #
	Total	Aroclor-1242			185573	113880	6007.367	4193.011
	Average	Aroclor-1242					1201.473	838.602
19)	L5	Aroclor-1248	10.25	15.33	29804	2516	1269.419	128.439 #

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2483F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2483F.D\E1A2483R.D
Acq On : 21 Sep 97 01:13 PM Operator: JS
Sample : AR1660DI,AR1660DI,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.53	21714	4565	1115.541	229.477 #
21) L5	Aroclor-1248 (3)	0.00	16.56	0	567	N.D.	37.133 #
Total	Aroclor-1248			51518	7647	2384.961	395.049
Average	Aroclor-1248					1192.480	131.683
22) L6	Aroclor-1254	13.61	17.91	33667	23749	574.523	360.399 #
23) L6	Aroclor-1254 (2)	14.09	0.00	51418	0	1693.631	N.D. #
24) L6	Aroclor-1254 (3)	14.48f	18.56	6229	39849	199.031	1397.912 #
25) L6	Aroclor-1254 (4)	14.88	18.87	55238	44158	2057.603	1538.758
26) L6	Aroclor-1254 (5)	15.99	20.42	61893	39887	1279.904	896.538 #
Total	Aroclor-1254			208446	147643	5804.692	4193.608
Average	Aroclor-1254					1160.938	1048.402
27) L7	Aroclor-1260	17.11	21.82	46371	29157	1677.560	1188.496
28) L7	Aroclor-1260 (2)	18.09	22.31	89923	73715	1770.633	1289.701
29) L7	Aroclor-1260 (3)	19.20	24.20	66912	30070	1794.306	1257.229
Total	Aroclor-1260			203206	132942	5242.499	3735.426
Average	Aroclor-1260					1747.500	1245.142

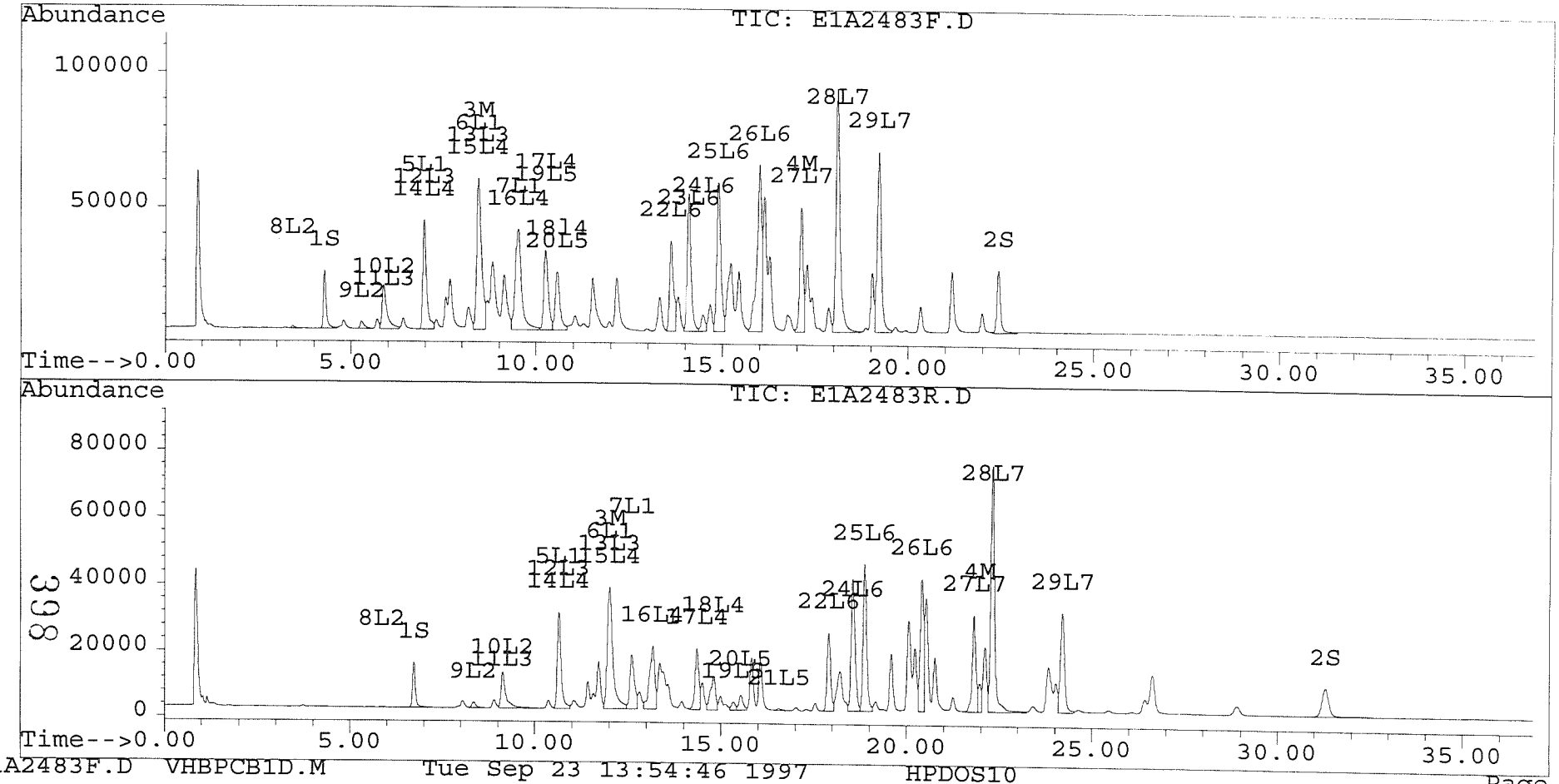
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2483F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2483F.D\E1A2483R.D
Acq On : 21 Sep 97 01:13 PM Operator: JS
Sample : AR1660DI,AR1660DI,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 7:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2511.D Vial: 61
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2511.D\E1A2511.D
Acq On : 22 Sep 97 09:50 AM Operator: JS
Sample : AR1248DI,AR1248DI,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 10:42 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4207	3871	19.734	19.299
					Recovery	=	49.34%	48.25%
2)	S	Decachlorobiphenyl	22.43	31.33	4847	2156	19.839m	18.059
					Recovery	=	49.60%	45.15%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.00	5436	4776	76.116	67.243
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	243	278	1.552	1.770
5)	L1	Aroclor-1016	6.98	10.65	3654	3589	133.964	134.576
6)	L1	Aroclor-1016 (2)	8.44	12.00	5436	4776	143.178	165.428
7)	L1	Aroclor-1016 (3)	9.51	12.61	9217	1741	426.773	126.778 #
	Total	Aroclor-1016			18307	10105	703.914	426.782
	Average	Aroclor-1016					234.638	142.261
8)	L2	Aroclor-1221	3.44	0.00	25	0	2.989	N.D. #
9)	L2	Aroclor-1221 (2)	5.30	8.34	40	36	6.130	5.927
10)	L2	Aroclor-1221 (3)	5.90	9.13	278	292	16.004	19.871
	Total	Aroclor-1221			343	328	25.123	25.799
	Average	Aroclor-1221					8.374	12.899
11)	L3	Aroclor-1232	5.90	9.13	278	292	20.735	24.688
12)	L3	Aroclor-1232 (2)	6.98	10.65	3654	3589	300.507	288.784
13)	L3	Aroclor-1232 (3)	8.44	12.00	5436	4776	337.397	391.485
	Total	Aroclor-1232			9368	8656	658.639	704.957
	Average	Aroclor-1232					219.546	234.986
14)	L4	Aroclor-1242	6.98	10.65	3654	3589	99.734	99.677
15)	L4	Aroclor-1242 (2)	8.44	12.00	5436	4776	122.935	123.502
16)	L4	Aroclor-1242 (3)	9.51	13.18	9217	6720	324.176	309.333
17)	L4	Aroclor-1242 (4)	10.25	14.36	8117	7248	333.415	316.579
18)	L4	Aroclor-1242 (5)	10.56	14.81	6553	4516	329.836	324.427
	Total	Aroclor-1242			32977	26849	1210.097	1173.518
	Average	Aroclor-1242					242.019	234.704
19)	L5	Aroclor-1248	10.25	15.32	8117	6698	345.724	341.942

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2511.D VHBPCB1D.M Tue Sep 23 08:47:13 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D\E1A2512.D
Acq On : 22 Sep 97 10:31 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 11:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	1835	1737	8.606	8.657
				Recovery	=	21.52%	21.64%
2) S	Decachlorobiphenyl	22.43	31.32	2397	1070	9.812m	8.963
				Recovery	=	24.53%	22.41%
	Target Compounds						#
3) M	2,4,4'-Trichlorobip	8.41	12.02	75289	75151	1054.255	1058.186 #
4) M	2,2',3,3',4,4'-Hexa	17.10	21.95	164706	163201	1052.703	1038.128 #
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	0.00	12.02	0	75151	N.D.	2603.310 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			0	75151	N.D.	2603.310 #
Average	Aroclor-1016					0.000	2603.310 #
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.28	8.34	84	91	12.895	14.821
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			84	91	12.895	14.821
Average	Aroclor-1221					12.895	14.821
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	12.02	0	75151	N.D.	6160.730 #
Total	Aroclor-1232			0	75151	N.D.	6160.730
Average	Aroclor-1232					0.000	6160.730
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	8.41f	12.02	75289	75151	1702.741	1943.521
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	75151	1702.741	1943.521
Average	Aroclor-1242					1702.741	1943.521
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D\E1A2512.D
Acq On : 22 Sep 97 10:31 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 11:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	23	N.D.	1.160 #
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			0	23	N.D.	1.160
Average	Aroclor-1248					0.000	1.160
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 (2)	14.10	0.00	421	0	13.872	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			421	0	13.872	N.D.
Average	Aroclor-1254					13.872	0.000
27) L7	Aroclor-1260	17.10	0.00	164706	0	5958.571	N.D. #
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 (3)	19.22	24.21	77	97	2.055	4.074 #
Total	Aroclor-1260			164783	97	5960.626	4.074
Average	Aroclor-1260					2980.313	4.074

403
08/23/91

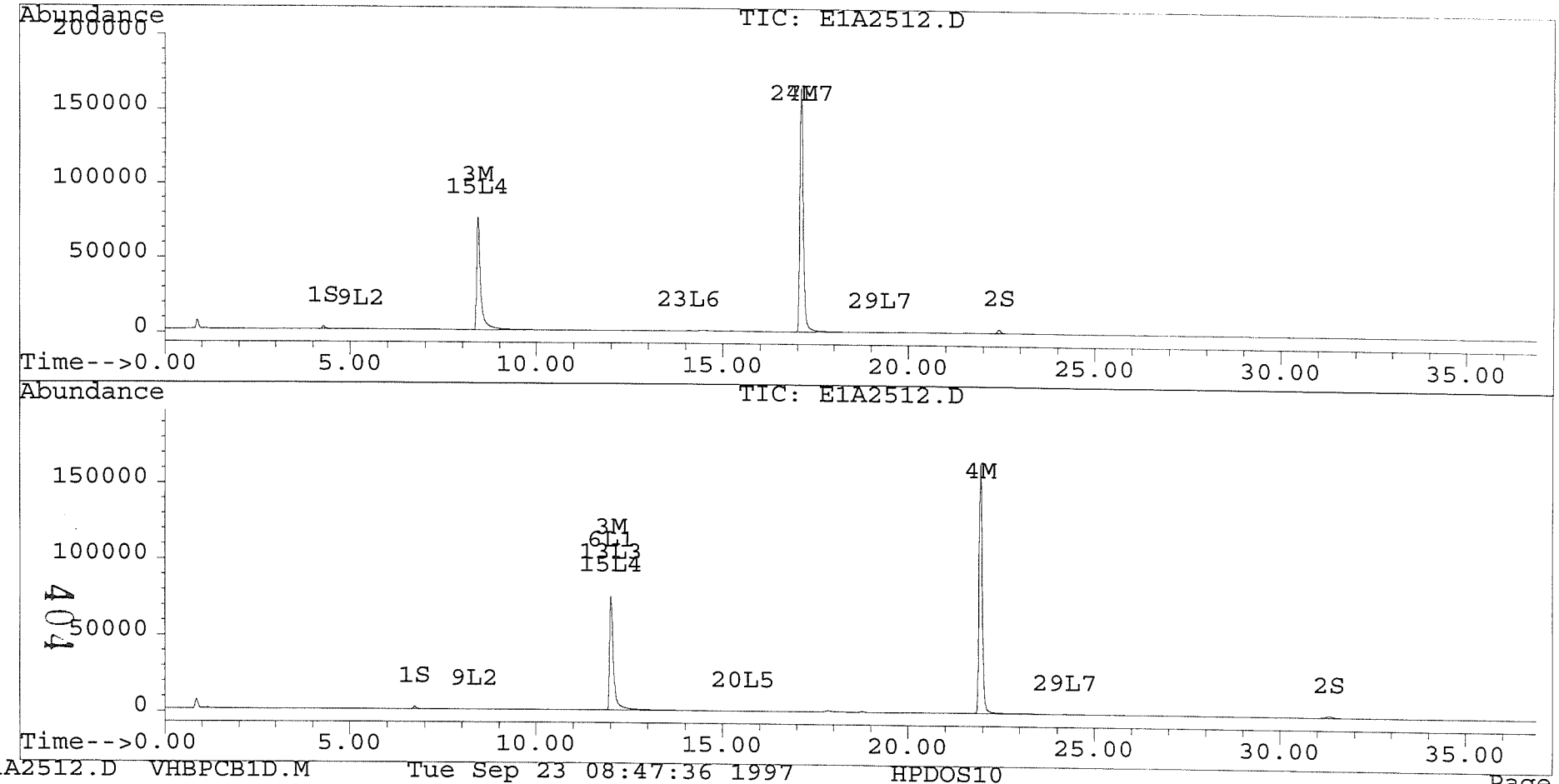
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D Vial: 62
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2512.D\E1A2512.D
Acq On : 22 Sep 97 10:31 AM Operator: JS
Sample : COGDI,COGDI,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 11:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2513.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2513.D\E1A2513.D
Acq On : 22 Sep 97 11:12 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 12:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4123	3828	19.337	19.080
					Recovery	=	48.34%	47.70%
2)	S	Decachlorobiphenyl	22.43	31.32	4959	2188	20.298m	18.322m
					Recovery	=	50.75%	45.80%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	9256	7961	129.605	112.092
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	66	97	0.422	0.619 #
5)	L1	Aroclor-1016	6.97	10.65	7288	7152	267.179	268.209
6)	L1	Aroclor-1016 (2)	8.43	12.01	9256	7961	243.795	275.765
7)	L1	Aroclor-1016 (3)	9.51	12.61	5849	3757	270.819	273.606
	Total	Aroclor-1016			22393	18870	781.793	817.580
	Average	Aroclor-1016					260.598	272.527
8)	L2	Aroclor-1221	3.43	5.87	107	79	12.561	10.784
9)	L2	Aroclor-1221 (2)	5.29	8.35	510	525	78.693	85.893
10)	L2	Aroclor-1221 (3)	5.88	9.13	3270	3087	188.467	209.988
	Total	Aroclor-1221			3886	3691	279.720	306.665
	Average	Aroclor-1221					93.240	102.222
11)	L3	Aroclor-1232	5.88	9.13	3270	3087	244.179	260.887
12)	L3	Aroclor-1232 (2)	6.97	10.65	7288	7152	599.335	575.543
13)	L3	Aroclor-1232 (3)	8.43	12.01	9256	7961	574.499	652.598
	Total	Aroclor-1232			19814	18199	1418.013	1489.028
	Average	Aroclor-1232					472.671	496.343
14)	L4	Aroclor-1242	6.97	10.65	7288	7152	198.911	198.656
15)	L4	Aroclor-1242 (2)	8.43	12.01	9256	7961	209.327	205.875
16)	L4	Aroclor-1242 (3)	9.51	13.18	5849	4353	205.714	200.381
17)	L4	Aroclor-1242 (4)	10.25	14.36	5035	4661	206.801	203.575
18)	L4	Aroclor-1242 (5)	10.56	14.81	3963	2702	199.481	194.144
	Total	Aroclor-1242			31391	26829	1020.234	1002.630
	Average	Aroclor-1242					204.047	200.526
19)	L5	Aroclor-1248	10.25	15.33	5035	3692	214.436	188.511

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2513.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2513.D\E1A2513.D
Acq On : 22 Sep 97 11:12 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 12:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	3963	4134	203.607	207.806
21) L5	Aroclor-1248 {3}	11.64	16.56	4509	3054	194.307	200.081
Total	Aroclor-1248			13507	10880	612.350	596.397
Average	Aroclor-1248					204.117	198.799
22) L6	Aroclor-1254	13.62	17.93	1224	1543	20.894	23.412
23) L6	Aroclor-1254 {2}	14.09	18.38	475	778	15.638	22.033 #
24) L6	Aroclor-1254 {3}	14.50	18.55	634	221	20.259	7.750 #
25) L6	Aroclor-1254 (4)	14.89	0.00	158	0	5.882	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	204	194	4.210	4.353
Total	Aroclor-1254			2695	2736	66.882	57.547
Average	Aroclor-1254					13.376	14.387
27) L7	Aroclor-1260	17.13	0.00	66	0	2.391	N.D. #
28) L7	Aroclor-1260 {2}	18.11	22.32	21	66	0.407	1.153 #
29) L7	Aroclor-1260 {3}	0.00	24.22	0	24	N.D.	0.983 #
Total	Aroclor-1260			87	89	2.799	2.136
Average	Aroclor-1260					1.399	1.068

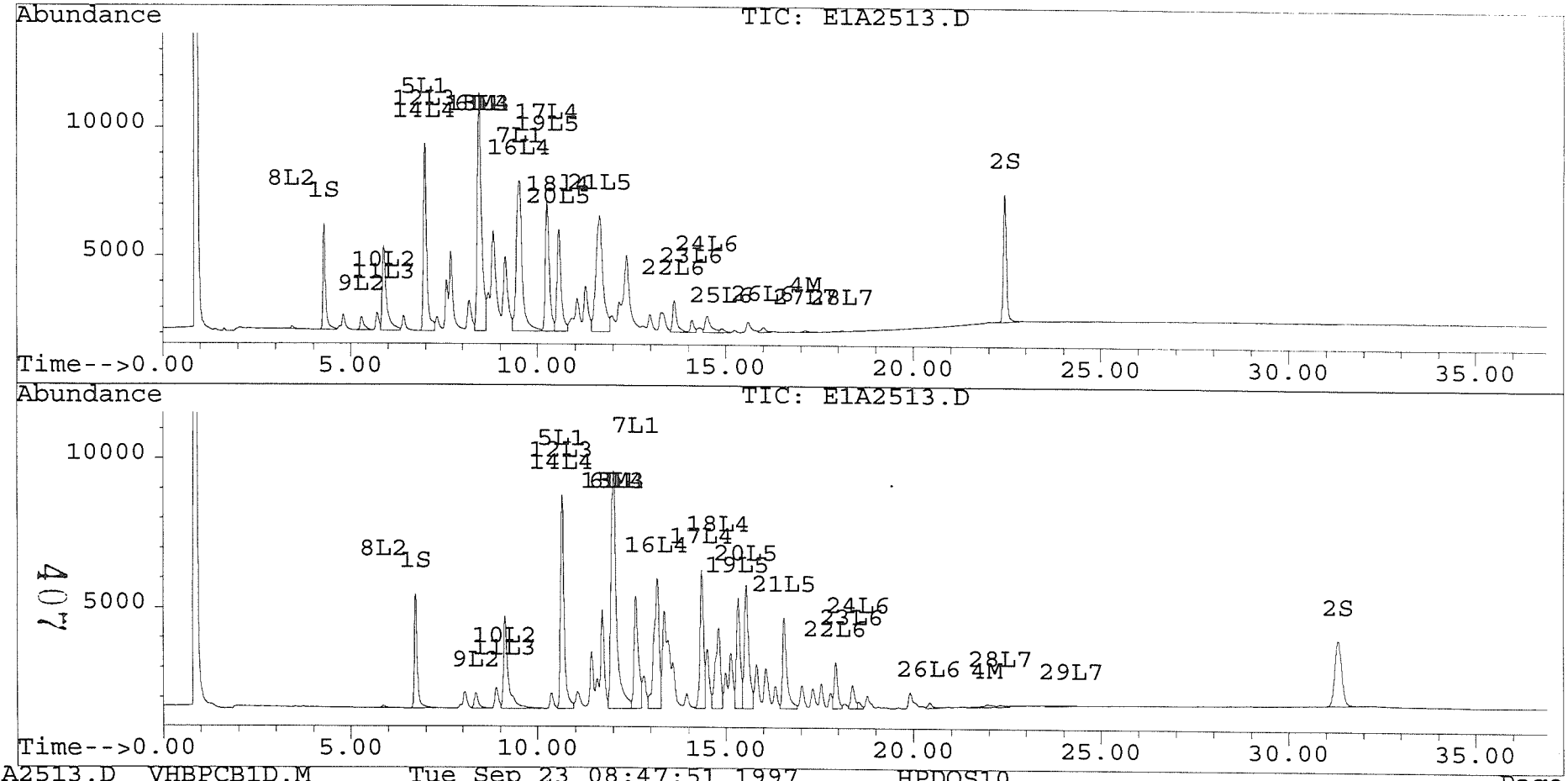
406
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2513.D Vial: 63
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2513.D\E1A2513.D
Acq On : 22 Sep 97 11:12 AM Operator: JS
Sample : AR1242DI,AR1242DI,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 12:23 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2514F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2514F.D\E1A2514R.D
Acq On : 22 Sep 97 11:53 AM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 13:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4189	3893	19.646	19.407
				Recovery	=	49.12%	48.52%
2) S	Decachlorobiphenyl	22.43	31.32	4953	2242	20.274m	18.772
				Recovery	=	50.69%	46.93%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.46	12.01	138	157	1.937	2.208
4) M	2,2',3,3',4,4'-Hexa	17.12	21.95	3105	2761	19.847	17.566
5) L1	Aroclor-1016	6.98	10.65	142	152	5.191	5.698
6) L1	Aroclor-1016 {2}	8.46	12.01	138	157	3.643	5.432 #
7) L1	Aroclor-1016 {3}	0.00	12.62	0	53	N.D.	3.892 #
Total	Aroclor-1016			280	362	8.834	15.023
Average	Aroclor-1016					4.417	5.008
8) L2	Aroclor-1221	3.43	0.00	24	0	2.778	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	36	42	2.078	2.838 #
Total	Aroclor-1221			60	42	4.856	2.838
Average	Aroclor-1221					2.428	2.838
11) L3	Aroclor-1232	5.89	9.14	36	42	2.692	3.526 #
12) L3	Aroclor-1232 {2}	6.98	10.65	142	152	11.644	12.228
13) L3	Aroclor-1232 {3}	8.46	12.01	138	157	8.585	12.855 #
Total	Aroclor-1232			316	350	22.921	28.609
Average	Aroclor-1232					7.640	9.536
14) L4	Aroclor-1242	6.98	10.65	142	152	3.865	4.221
15) L4	Aroclor-1242 {2}	8.46	12.01	138	157	3.128	4.055 #
16) L4	Aroclor-1242 {3}	0.00	13.18	0	4967	N.D.	228.606 #
17) L4	Aroclor-1242 (4)	10.25	14.36	2363	2585	97.049	112.924
18) L4	Aroclor-1242 (5)	10.56	14.81	831	773	41.801	55.503 #
Total	Aroclor-1242			3473	8633	145.843	405.310
Average	Aroclor-1242					36.461	81.062
19) L5	Aroclor-1248	10.25	15.33	2363	2924	100.632	149.291 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2514F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2514F.D\E1A2514R.D
Acq On : 22 Sep 97 11:53 AM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 13:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	831	1035	42.666	52.008
21) L5	Aroclor-1248 (3)	0.00	16.56	0	724	N.D.	47.446 #
Total	Aroclor-1248			3193	4683	143.298	248.745
Average	Aroclor-1248					71.649	82.915
22) L6	Aroclor-1254	13.61	17.93	12870	14180	219.619	215.179
23) L6	Aroclor-1254 (2)	14.09	18.37	6540	7575	215.420	214.445
24) L6	Aroclor-1254 (3)	14.48	18.56	7150	5967	228.470	209.330
25) L6	Aroclor-1254 (4)	14.88	18.88	5907	6072	220.049	211.585
26) L6	Aroclor-1254 (5)	16.00	20.42	10519	9428	217.531	211.906
Total	Aroclor-1254			42987	43221	1101.089	1062.444
Average	Aroclor-1254					220.218	212.489
27) L7	Aroclor-1260	17.12	21.82	3105	645	112.340	26.299 #
28) L7	Aroclor-1260 (2)	18.10	22.31	1418	1531	27.915	26.784
29) L7	Aroclor-1260 (3)	19.22	24.21	1012	804	27.137	33.610
Total	Aroclor-1260			5535	2980	167.392	86.692
Average	Aroclor-1260					55.797	28.897

409

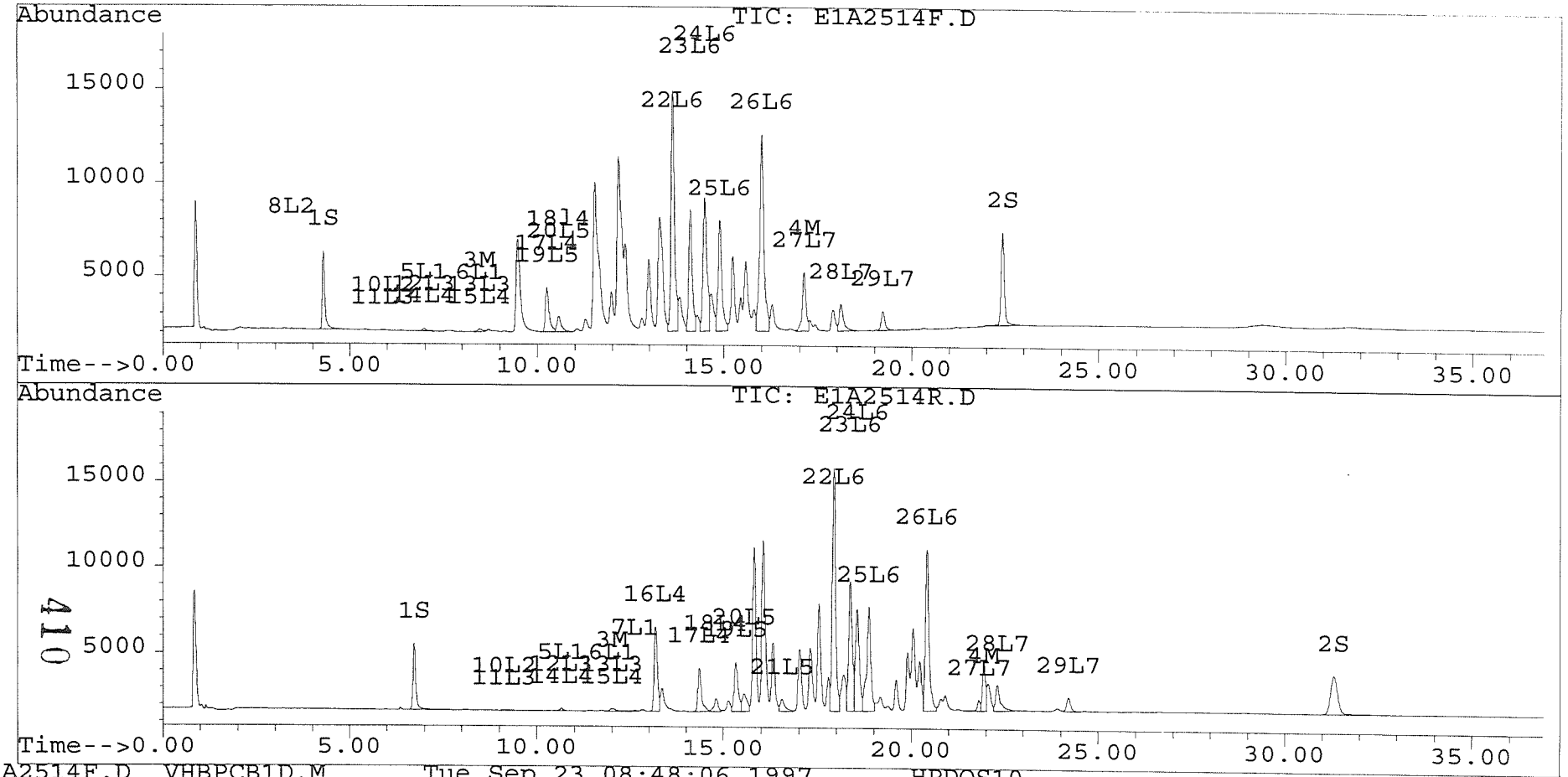
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2514F.D Vial: 64
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2514F.D\E1A2514R.D
Acq On : 22 Sep 97 11:53 AM Operator: JS
Sample : AR1254DI,AR1254DI,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 13:16 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2515F.D Vial: 65
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2515F.D\E1A2515R.D
Acq On : 22 Sep 97 12:33 PM Operator: JS
Sample : AR1660DI,AR1660DI,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 22 13:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4265	3924	20.003	19.559
				Recovery	=	50.01%	48.90%
2) S	Decachlorobiphenyl	22.43	31.33	5205	2316	21.306	19.399
				Recovery	=	53.27%	48.50%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.43	12.01	12437	10702	174.156	150.693
4) M	2,2',3,3',4,4'-Hexa	17.12	21.97	10109	2476	64.614	15.749 #
5) L1	Aroclor-1016	6.97	10.65	9559	9402	350.424	352.585
6) L1	Aroclor-1016 (2)	8.43f	12.01	12437	10702	327.599	370.729
7) L1	Aroclor-1016 (3)	9.51	12.61	7680	4962	355.638	361.349
	Total Aroclor-1016			29677	25066	1033.662	1084.663
	Average Aroclor-1016					344.554	361.554
8) L2	Aroclor-1221	3.43	5.87	81	50	9.570	6.813 #
9) L2	Aroclor-1221 (2)	5.29	8.35	538	553	83.037	90.570
10) L2	Aroclor-1221 (3)	5.88	9.13	3715	3480	214.136	236.747
	Total Aroclor-1221			4335	4083	306.743	334.130
	Average Aroclor-1221					102.248	111.377
11) L3	Aroclor-1232	5.88	9.13	3715	3480	277.436	294.132
12) L3	Aroclor-1232 (2)	6.97	10.65	9559	9402	786.070	756.604
13) L3	Aroclor-1232 (3)	8.43f	12.01	12437	10702	771.982	877.330
	Total Aroclor-1232			25712	23584	1835.488	1928.066
	Average Aroclor-1232					611.829	642.689
14) L4	Aroclor-1242	6.97	10.65	9559	9402	260.886	261.151
15) L4	Aroclor-1242 (2)	8.43	12.01	12437	10702	281.282	276.771
16) L4	Aroclor-1242 (3)	9.51	13.18	7680	5597	270.143	257.612
17) L4	Aroclor-1242 (4)	10.25	14.36	6184	5455	254.027	238.261
18) L4	Aroclor-1242 (5)	10.56	14.81	4516	2957	227.303	212.406
	Total Aroclor-1242			40377	34112	1293.641	1246.200
	Average Aroclor-1242					258.728	249.240
19) L5	Aroclor-1248	10.25	15.33	6184	715	263.405	36.490 #

411

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D Vial: 76
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D\E1A2526R.D
Acq On : 22 Sep 97 08:08 PM Operator: JS
Sample : AR1248DJ,AR1248DJ,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4196	3987	19.683	19.874
					Recovery	=	49.21%	49.69%
2)	S	Decachlorobiphenyl	22.43	31.33	4837	2351	19.800m	19.691
					Recovery	=	49.50%	49.23%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.01	5310	4939	74.349	69.540
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	258	248	1.651	1.578
5)	L1	Aroclor-1016	6.98	10.65	3721	3720	136.413	139.515
6)	L1	Aroclor-1016 {2}	8.44	12.01	5310	4939	139.855	171.079
7)	L1	Aroclor-1016 {3}	9.51	12.61	9495	1809	439.685	131.759 #
		Total Aroclor-1016			18526	10468	715.952	442.354
		Average Aroclor-1016					238.651	147.451
8)	L2	Aroclor-1221	3.43	0.00	34	0	4.028	N.D. #
9)	L2	Aroclor-1221 {2}	5.29	8.35	37	35	5.709	5.801
10)	L2	Aroclor-1221 {3}	5.89	9.14	279	297	16.104	20.222 #
		Total Aroclor-1221			351	333	25.841	26.024
		Average Aroclor-1221					8.614	13.012
11)	L3	Aroclor-1232	5.89	9.14	279	297	20.865	25.124
12)	L3	Aroclor-1232 {2}	6.98	10.65	3721	3720	306.001	299.383
13)	L3	Aroclor-1232 {3}	8.44	12.01	5310	4939	329.565	404.859
		Total Aroclor-1232			9310	8956	656.431	729.366
		Average Aroclor-1232					218.810	243.122
14)	L4	Aroclor-1242	6.98	10.65	3721	3720	101.558	103.336
15)	L4	Aroclor-1242 {2}	8.44	12.01	5310	4939	120.081	127.720
16)	L4	Aroclor-1242 {3}	9.51	13.18	9495	7005	333.984	322.453
17)	L4	Aroclor-1242 (4)	10.25	14.36	8296	7476	340.775	326.540
18)	L4	Aroclor-1242 (5)	10.56	14.81	6695	4799	336.976	344.803
		Total Aroclor-1242			33517	27940	1233.374	1224.852
		Average Aroclor-1242					246.675	244.970
19)	L5	Aroclor-1248	10.25	15.33	8296	7032	353.355	359.014

414

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D Vial: 76
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D\E1A2526R.D
Acq On : 22 Sep 97 08:08 PM Operator: JS
Sample : AR1248DJ,AR1248DJ,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	6695	7179	343.946	360.907	
21) L5	Aroclor-1248 (3)	11.64	16.56	8485	5378	365.635	352.319	
Total	Aroclor-1248			23476	19589	1062.936	1072.241	
Average	Aroclor-1248					354.312	357.414	
22) L6	Aroclor-1254	13.62	17.94	3830	4518	65.357	68.563	
23) L6	Aroclor-1254 (2)	14.09	18.38	1504	2558	49.551	72.415	#
24) L6	Aroclor-1254 (3)	14.49	18.55	2129	639	68.018	22.430	#
25) L6	Aroclor-1254 (4)	14.89	0.00	512	0	19.068	N.D.	#
26) L6	Aroclor-1254 (5)	16.01	20.43	691	611	14.298	13.737	
Total	Aroclor-1254			8666	8327	216.292	177.145	
Average	Aroclor-1254					43.258	44.286	
27) L7	Aroclor-1260	17.13	21.82	258	93	9.346	3.804	#
28) L7	Aroclor-1260 (2)	18.11	22.32	112	185	2.206	3.245	#
29) L7	Aroclor-1260 (3)	19.22	24.21	159	129	4.255	5.378	#
Total	Aroclor-1260			529	407	15.807	12.427	
Average	Aroclor-1260					5.269	4.142	

415

09/23/97

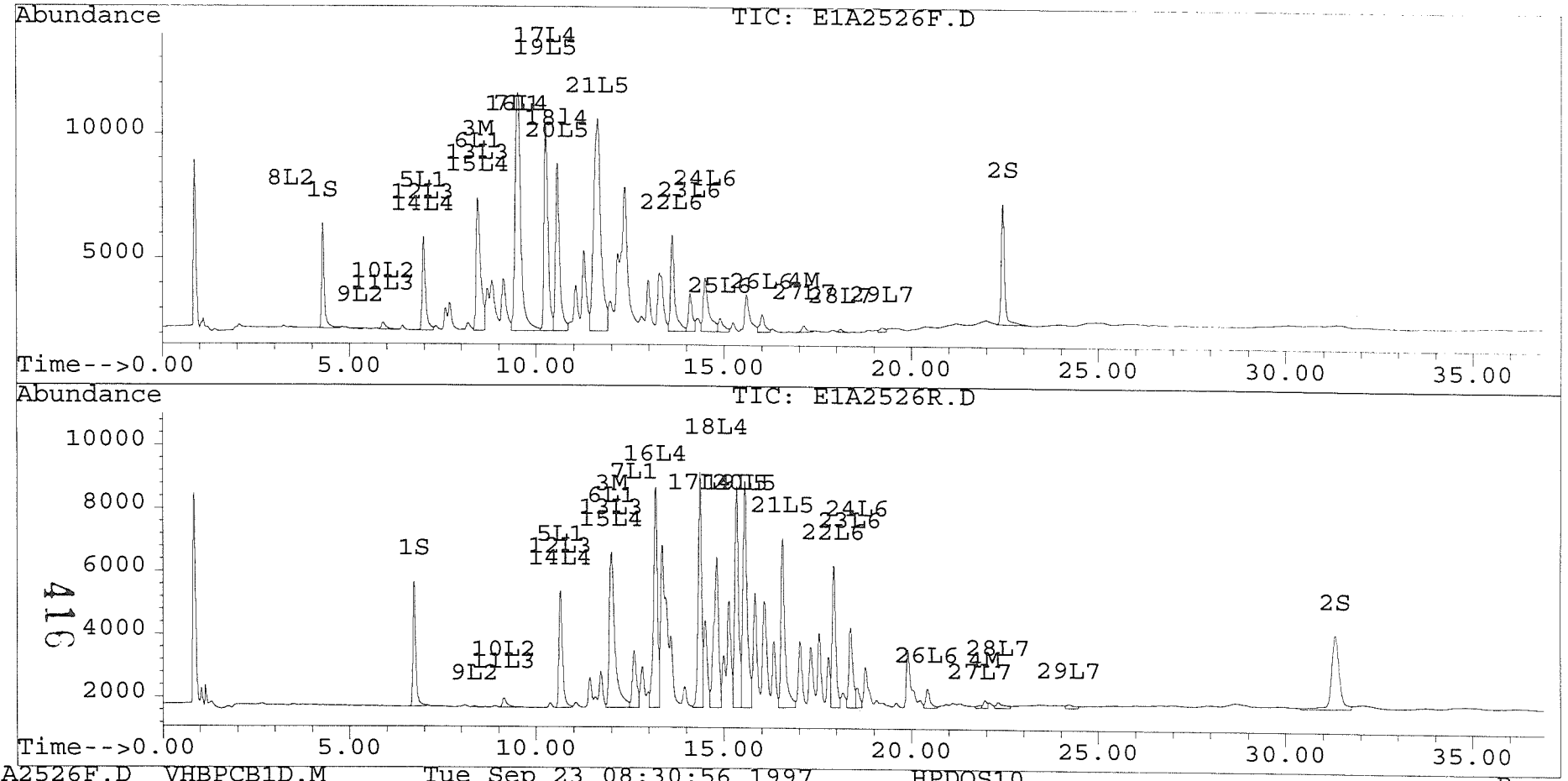
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D Vial: 76
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2526F.D\E1A2526R.D
Acq On : 22 Sep 97 08:08 PM Operator: JS
Sample : AR1248DJ,AR1248DJ,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2527F.D Vial: 77
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2527F.D\E1A2527R.D
Acq On : 22 Sep 97 08:49 PM Operator: JS
Sample : COGDJ,COGDJ,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	1958	1854	9.186	9.243
				Recovery	=	22.97%	23.11%
2) S	Decachlorobiphenyl	22.44	31.34	2406	1136	9.847m	9.512
				Recovery	=	24.62%	23.78%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.42	12.02	76978	78094	1077.908	1099.624
4) M	2,2',3,3',4,4'-Hexa	17.11	21.95	172635	167214	1103.382	1063.655
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 (2)	8.42f	12.02	76978	78094	2027.612	2705.255
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			76978	78094	2027.612	2705.255
Average	Aroclor-1016					2027.612	2705.255
8) L2	Aroclor-1221	3.43	0.00	26	0	3.032	N.D. #
9) L2	Aroclor-1221 (2)	5.28	8.34	92	94	14.129	15.442
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			117	94	17.162	15.442
Average	Aroclor-1221					8.581	15.442
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	76978	78094	4778.032	6401.982
Total	Aroclor-1232			76978	78094	4778.032	6401.982
Average	Aroclor-1232					4778.032	6401.982
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 (2)	8.42f	12.02	76978	78094	1740.943	2019.628
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			76978	78094	1740.943	2019.628
Average	Aroclor-1242					1740.943	2019.628
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

417

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D\E1A2528R.D
Acq On : 22 Sep 97 09:29 PM Operator: JS
Sample : AR1242DJ,AR1242DJ,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	3770	3616	17.683	18.026
				Recovery	=	44.21%	45.07%
2) S	Decachlorobiphenyl	22.43	31.33	4569	2106	18.700m	17.635
				Recovery	=	46.75%	44.09%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.44	12.02	8401	7424	117.643	104.539
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	71	85	0.452	0.539
5) L1	Aroclor-1016	6.98	10.65	6836	6769	250.600	253.851
6) L1	Aroclor-1016 (2)	8.44	12.02	8401	7424	221.293	257.184
7) L1	Aroclor-1016 (3)	9.51	12.61	5569	3529	257.857	256.956
Total	Aroclor-1016			20806	17722	729.751	767.991
Average	Aroclor-1016					243.250	255.997
8) L2	Aroclor-1221	3.43	5.87	109	73	12.770	9.954
9) L2	Aroclor-1221 (2)	5.29	8.35	472	497	72.816	81.432
10) L2	Aroclor-1221 (3)	5.88	9.13	2995	2866	172.616	195.004
Total	Aroclor-1221			3575	3437	258.202	286.389
Average	Aroclor-1221					86.067	95.463
11) L3	Aroclor-1232	5.88	9.13	2995	2866	223.642	242.271
12) L3	Aroclor-1232 (2)	6.98	10.65	6836	6769	562.146	544.734
13) L3	Aroclor-1232 (3)	8.44	12.02	8401	7424	521.474	608.625
Total	Aroclor-1232			18232	17060	1307.262	1395.630
Average	Aroclor-1232					435.754	465.210
14) L4	Aroclor-1242	6.98	10.65	6836	6769	186.569	188.021
15) L4	Aroclor-1242 (2)	8.44	12.02	8401	7424	190.006	192.002
16) L4	Aroclor-1242 (3)	9.51	13.18	5569	4192	195.868	192.949
17) L4	Aroclor-1242 (4)	10.25	14.36	4742	4373	194.770	191.003
18) L4	Aroclor-1242 (5)	10.57	14.81	3739	2591	188.192	186.146
Total	Aroclor-1242			29287	25349	955.405	950.121
Average	Aroclor-1242					191.081	190.024
19) L5	Aroclor-1248	10.25	15.33	4742	3490	201.960	178.182

420

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D\E1A2528R.D
Acq On : 22 Sep 97 09:29 PM Operator: JS
Sample : AR1242DJ,AR1242DJ,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	3739	3945	192.085	198.336
21) L5	Aroclor-1248 {3}	11.65	16.57	4235	2878	182.493	188.555
Total	Aroclor-1248			12716	10314	576.538	565.073
Average	Aroclor-1248					192.179	188.358
22) L6	Aroclor-1254	13.62	17.94	1239	1462	21.152	22.183
23) L6	Aroclor-1254 {2}	14.10	18.39	548	742	18.064	20.994
24) L6	Aroclor-1254 {3}	14.51	18.55	685	206	21.897	7.218 #
25) L6	Aroclor-1254 (4)	14.90	0.00	260	0	9.700	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	238	191	4.913	4.286
Total	Aroclor-1254			2971	2600	75.725	54.682
Average	Aroclor-1254					15.145	13.671
27) L7	Aroclor-1260	17.13	0.00	71	0	2.558	N.D. #
28) L7	Aroclor-1260 {2}	18.11	22.32	23	46	0.454	0.808 #
29) L7	Aroclor-1260 {3}	19.23	0.00	15	0	0.393	N.D. #
Total	Aroclor-1260			108	46	3.405	0.808
Average	Aroclor-1260					1.135	0.808

421

9/23/95

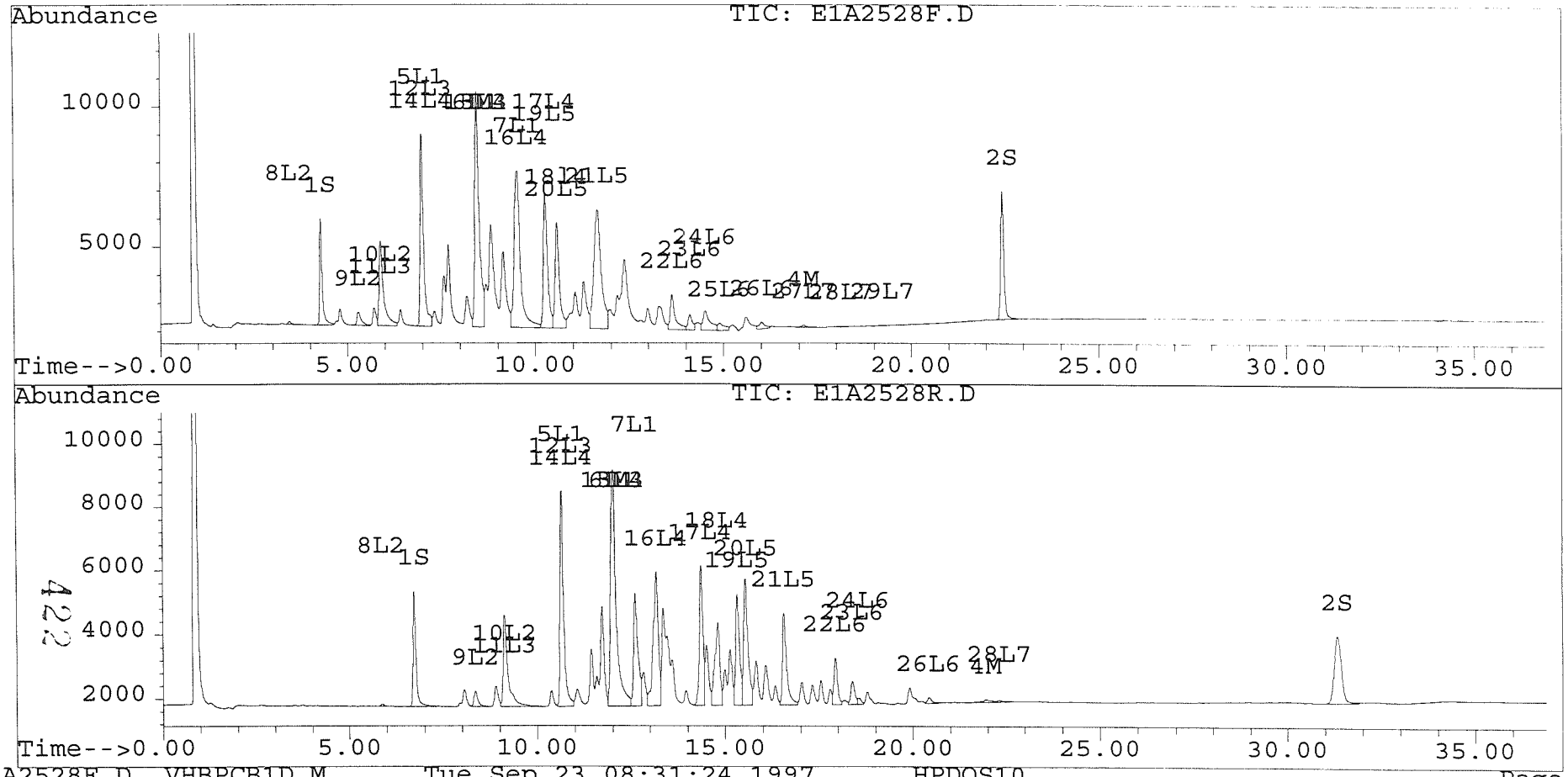
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D Vial: 78
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2528F.D\E1A2528R.D
Acq On : 22 Sep 97 09:29 PM Operator: JS
Sample : AR1242DJ,AR1242DJ,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2529F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2529F.D\E1A2529R.D
Acq On : 22 Sep 97 10:10 PM Operator: JS
Sample : AR1254DJ,AR1254DJ,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4277	3975	20.061	19.816
					Recovery	=	50.15%	49.54%
2)	S	Decachlorobiphenyl	22.44	31.33	5065	2291	20.734	19.184
					Recovery	=	51.84%	47.96%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.47	12.02	135	161	1.887	2.270
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	3201	2844	20.459	18.093
5)	L1	Aroclor-1016	6.98	10.66	141	158	5.186	5.936
6)	L1	Aroclor-1016 {2}	8.47	12.02	135	161	3.550	5.584 #
7)	L1	Aroclor-1016 {3}	0.00	12.62	0	55	N.D.	4.019 #
	Total	Aroclor-1016			276	375	8.736	15.538
	Average	Aroclor-1016					4.368	5.179
8)	L2	Aroclor-1221	3.43	0.00	36	0	4.189	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	36	43	2.077	2.943 #
	Total	Aroclor-1221			72	43	6.266	2.943
	Average	Aroclor-1221					3.133	2.943
11)	L3	Aroclor-1232	5.90	9.14	36	43	2.691	3.656 #
12)	L3	Aroclor-1232 {2}	6.98	10.66	141	158	11.634	12.738
13)	L3	Aroclor-1232 {3}	8.47	12.02	135	161	8.364	13.213 #
	Total	Aroclor-1232			312	363	22.690	29.608
	Average	Aroclor-1232					7.563	9.869
14)	L4	Aroclor-1242	6.98	10.66	141	158	3.861	4.397
15)	L4	Aroclor-1242 {2}	8.47	12.02	135	161	3.048	4.168 #
16)	L4	Aroclor-1242 {3}	9.47f	13.19	5022	5050	176.645	232.461 #
17)	L4	Aroclor-1242 (4)	10.25	14.37	2406	2639	98.847	115.275
18)	L4	Aroclor-1242 (5)	10.57	14.82	854	810	43.007	58.169 #
	Total	Aroclor-1242			8559	8819	325.408	414.470
	Average	Aroclor-1242					65.082	82.894
19)	L5	Aroclor-1248	10.25	15.33	2406	3042	102.496	155.310 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2529F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2529F.D\E1A2529R.D
Acq On : 22 Sep 97 10:10 PM Operator: JS
Sample : AR1254DJ,AR1254DJ,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	854	1081	43.896	54.329
21) L5	Aroclor-1248 {3}	0.00	16.56	0	759	N.D.	49.693 #
Total	Aroclor-1248			3261	4881	146.392	259.332
Average	Aroclor-1248					73.196	86.444
22) L6	Aroclor-1254	13.62	17.94	13265	14379	226.371	218.199
23) L6	Aroclor-1254 {2}	14.10	18.38	6727	7881	221.589	223.115
24) L6	Aroclor-1254 {3}	14.48	18.56	7179	6123	229.377	214.805
25) L6	Aroclor-1254 (4)	14.89	18.88	6030	6191	224.621	215.739
26) L6	Aroclor-1254 (5)	16.00	20.43	10958	9653	226.602	216.963
Total	Aroclor-1254			44160	44227	1128.560	1088.820
Average	Aroclor-1254					225.712	217.764
27) L7	Aroclor-1260	17.13	21.83	3201	664	115.806	27.055 #
28) L7	Aroclor-1260 {2}	18.11	22.32	1448	1587	28.514	27.765
29) L7	Aroclor-1260 {3}	19.23	24.22	1036	844	27.794	35.308 #
Total	Aroclor-1260			5686	3095	172.114	90.128
Average	Aroclor-1260					57.371	30.043

424

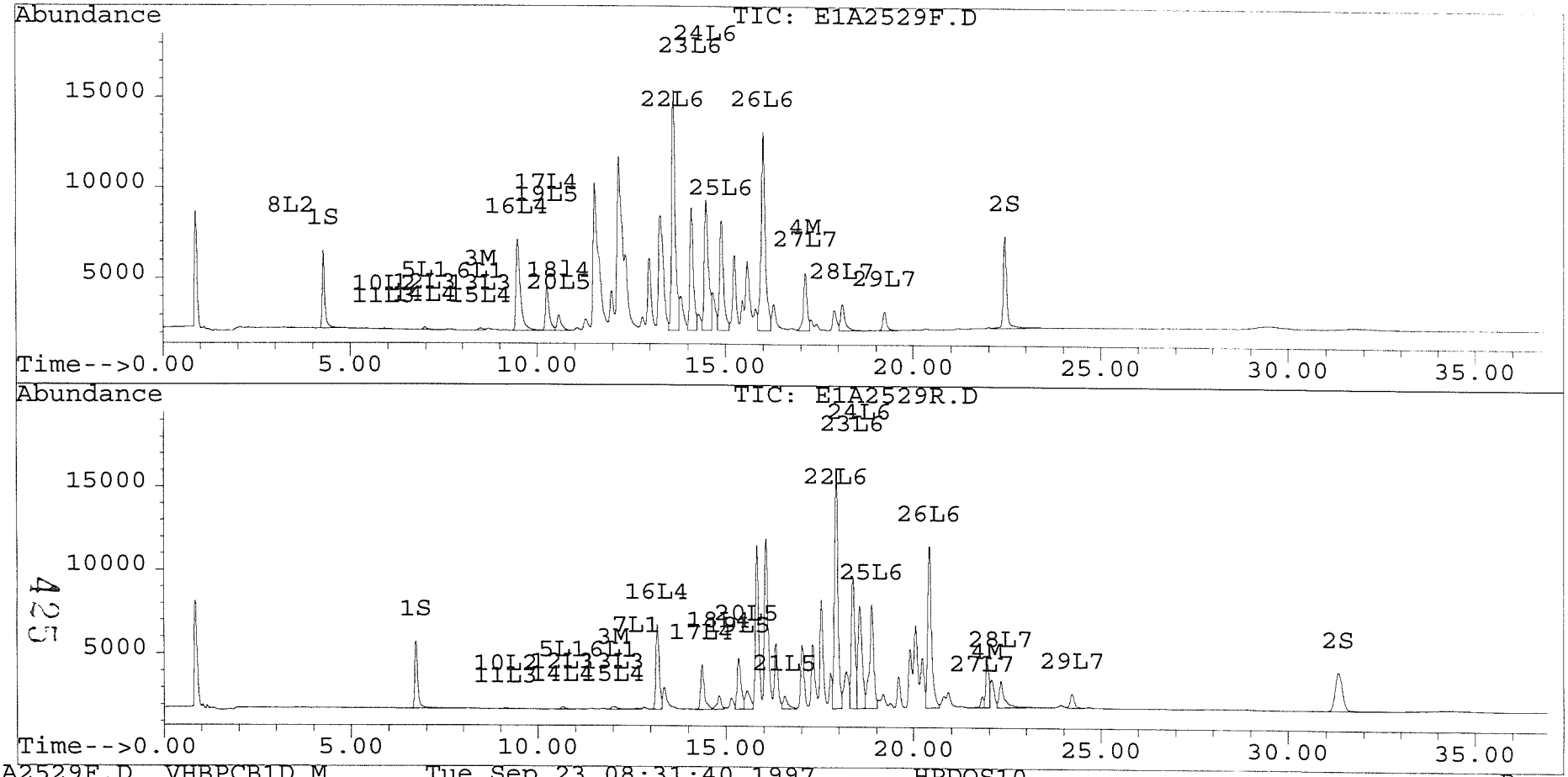
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2529F.D Vial: 79
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2529F.D\E1A2529R.D
Acq On : 22 Sep 97 10:10 PM Operator: JS
Sample : AR1254DJ,AR1254DJ,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2530F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2530F.D\E1A2530R.D
Acq On : 22 Sep 97 10:50 PM Operator: JS
Sample : AR1660DJ,AR1660DJ,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4113	3972	19.292	19.799
					Recovery	=	48.23%	49.50%
2)	S	Decachlorobiphenyl	22.44	31.33	5308	2443	21.726	20.463
					Recovery	=	54.32%	51.16%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.02	12406	10819	173.713	152.346
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.98	10406	2596	66.506	16.513 #
5)	L1	Aroclor-1016	6.98	10.65	9626	9372	352.865	351.479
6)	L1	Aroclor-1016 (2)	8.43	12.02	12406	10819	326.765	374.797
7)	L1	Aroclor-1016 (3)	9.52	12.61	7860	5040	363.944	367.049
		Total Aroclor-1016			29891	25232	1043.574	1093.325
		Average Aroclor-1016					347.858	364.442
8)	L2	Aroclor-1221	3.43	5.87	102	51	12.014	6.965 #
9)	L2	Aroclor-1221 (2)	5.29	8.35	537	561	82.906	91.902
10)	L2	Aroclor-1221 (3)	5.88	9.13	3669	3502	211.496	238.244
		Total Aroclor-1221			4309	4115	306.416	337.111
		Average Aroclor-1221					102.139	112.370
11)	L3	Aroclor-1232	5.88	9.13	3669	3502	274.015	295.992
12)	L3	Aroclor-1232 (2)	6.98	10.65	9626	9372	791.546	754.232
13)	L3	Aroclor-1232 (3)	8.43	12.02	12406	10819	770.016	886.955
		Total Aroclor-1232			25701	23694	1835.578	1937.179
		Average Aroclor-1232					611.859	645.726
14)	L4	Aroclor-1242	6.98	10.65	9626	9372	262.704	260.332
15)	L4	Aroclor-1242 (2)	8.43	12.02	12406	10819	280.566	279.807
16)	L4	Aroclor-1242 (3)	9.52	13.18	7860	5688	276.451	261.802
17)	L4	Aroclor-1242 (4)	10.25	14.36	6246	5565	256.560	243.041
18)	L4	Aroclor-1242 (5)	10.57	14.81	4525	3072	227.755	220.730
		Total Aroclor-1242			40662	34517	1304.036	1265.711
		Average Aroclor-1242					260.807	253.142
19)	L5	Aroclor-1248	10.25	15.34	6246	766	266.032	39.099 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2530F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2530F.D\E1A2530R.D
Acq On : 22 Sep 97 10:50 PM Operator: JS
Sample : AR1660DJ,AR1660DJ,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4525	1385	232.466	69.644 #
21) L5	Aroclor-1248 (3)	0.00	16.57	0	202	N.D.	13.236 #
Total	Aroclor-1248			10771	2353	498.498	121.980
Average	Aroclor-1248					249.249	40.660
22) L6	Aroclor-1254	13.62	17.91	7133	6943	121.723	105.358
23) L6	Aroclor-1254 (2)	14.10	18.37	11914	788	392.436	22.297 #
24) L6	Aroclor-1254 (3)	14.49	18.56	1232	12328	39.369	432.471 #
25) L6	Aroclor-1254 (4)	14.89	18.88	12856	13653	478.877	475.774
26) L6	Aroclor-1254 (5)	16.00	20.43	13363	11896	276.342	267.390
Total	Aroclor-1254			46498	45608	1308.747	1303.290
Average	Aroclor-1254					261.749	260.658
27) L7	Aroclor-1260	17.12	21.82	10406	8845	376.441	360.534
28) L7	Aroclor-1260 (2)	18.10	22.31	19532	21249	384.604	371.761
29) L7	Aroclor-1260 (3)	19.21	24.21	14201	8744	380.805	365.589
Total	Aroclor-1260			44139	38838	1141.850	1097.885
Average	Aroclor-1260					380.617	365.962

427

JS 9/23/97

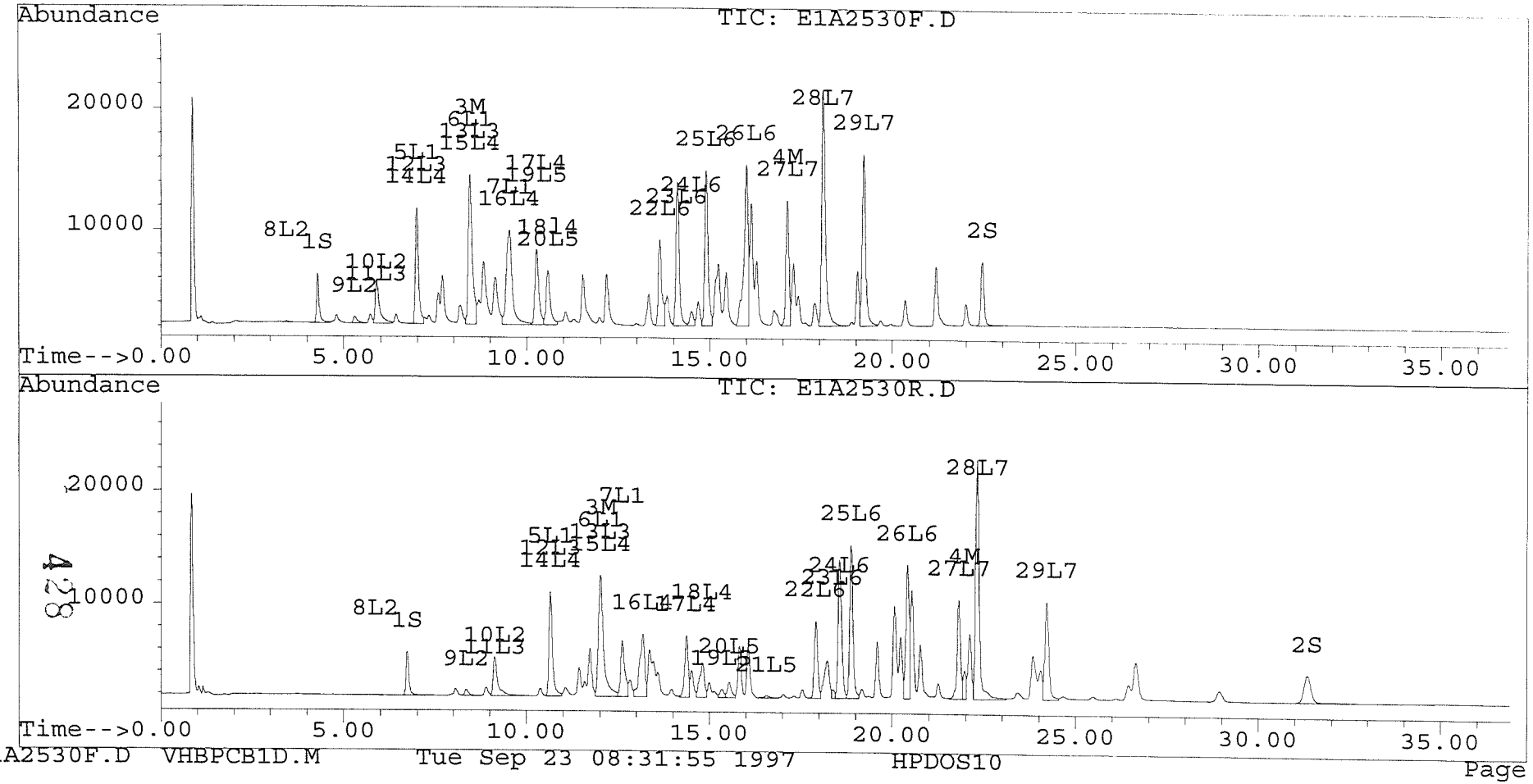
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2530F.D Vial: 80
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2530F.D\E1A2530R.D
Acq On : 22 Sep 97 10:50 PM Operator: JS
Sample : AR1660DJ,AR1660DJ,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 23 7:54 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2284F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2284F.D\E1A2284R.D
Acq On : 15 Sep 97 06:00 PM Operator: JS
Sample : ar1221D5,ar1221D5,,ar1221.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
0) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
verage	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
3) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
4) 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
6) 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
7) 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

005
9/16/97

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

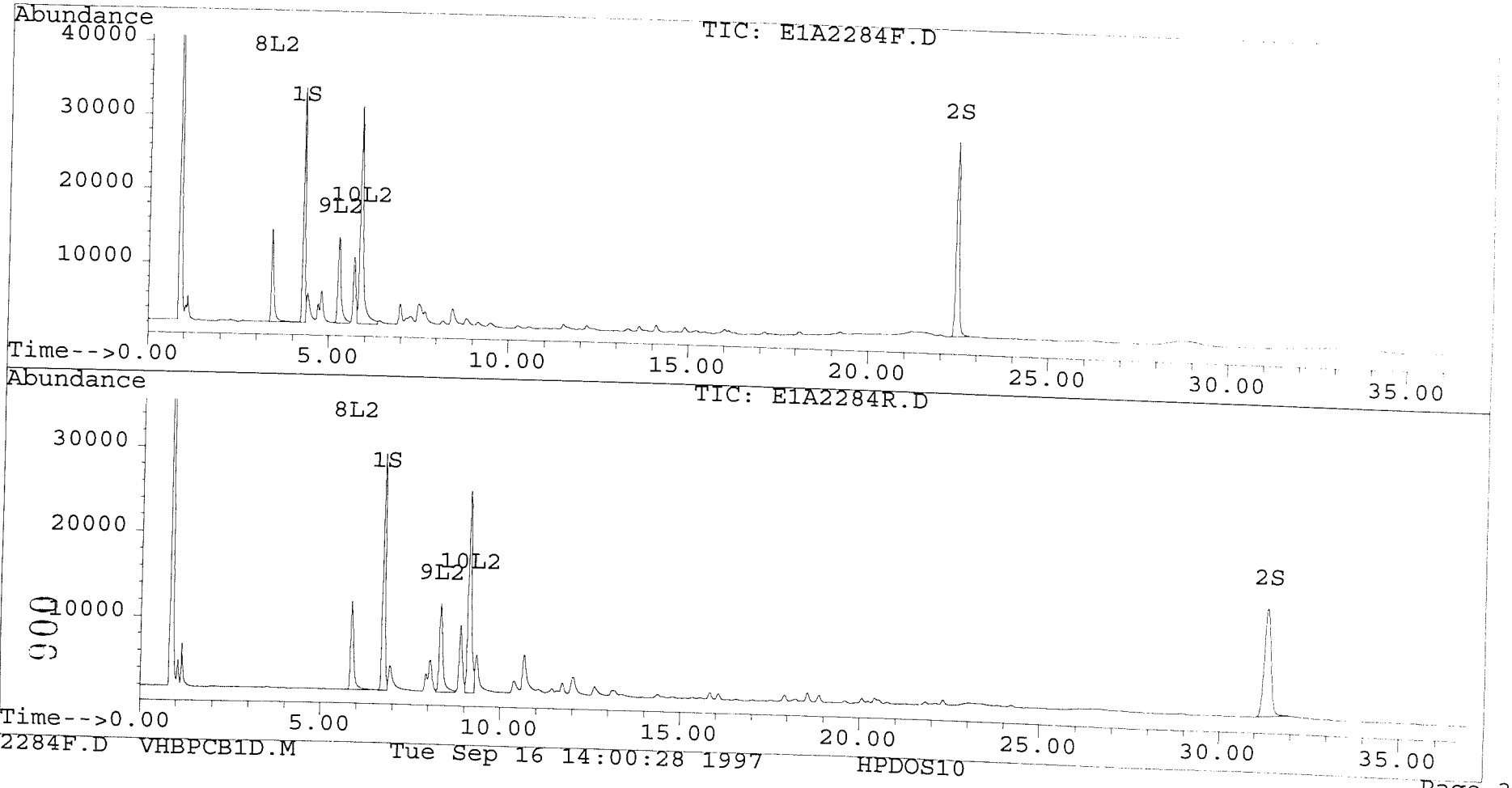
Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2284F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2284F.D\E1A2284R.D
Acq On : 15 Sep 97 06:00 PM Operator: JS
Sample : ar1221D5,ar1221D5,,ar1221.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 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\970915\E1A2285F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2285F.D\E1A2285R.D
Acq On : 15 Sep 97 06:41 PM Operator: JS
Sample : ar1221D4,ar1221D4,,ar1221.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	15711	13867	66.430	62.328
					Recovery	=	166.08%	155.82%
2)	S	Decachlorobiphenyl	22.44	31.33	14216	6916	62.763	56.035
					Recovery	=	156.91%	140.09%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	3.42	5.86	6889	5831	715.187	757.462
9)	L2	Aroclor-1221 (2)	5.27	8.34	5885	5378	866.839	844.846
10)	L2	Aroclor-1221 (3)	5.86	9.12	15457	12595	870.026	847.510
	Total	Aroclor-1221			28231	23804	2452.052	2449.818
	Average	Aroclor-1221					817.351	816.606
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

007

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2285F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2285F.D\E1A2285R.D
Acq On : 15 Sep 97 06:41 PM Operator: JS
Sample : ar1221D4,ar1221D4,,ar1221.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

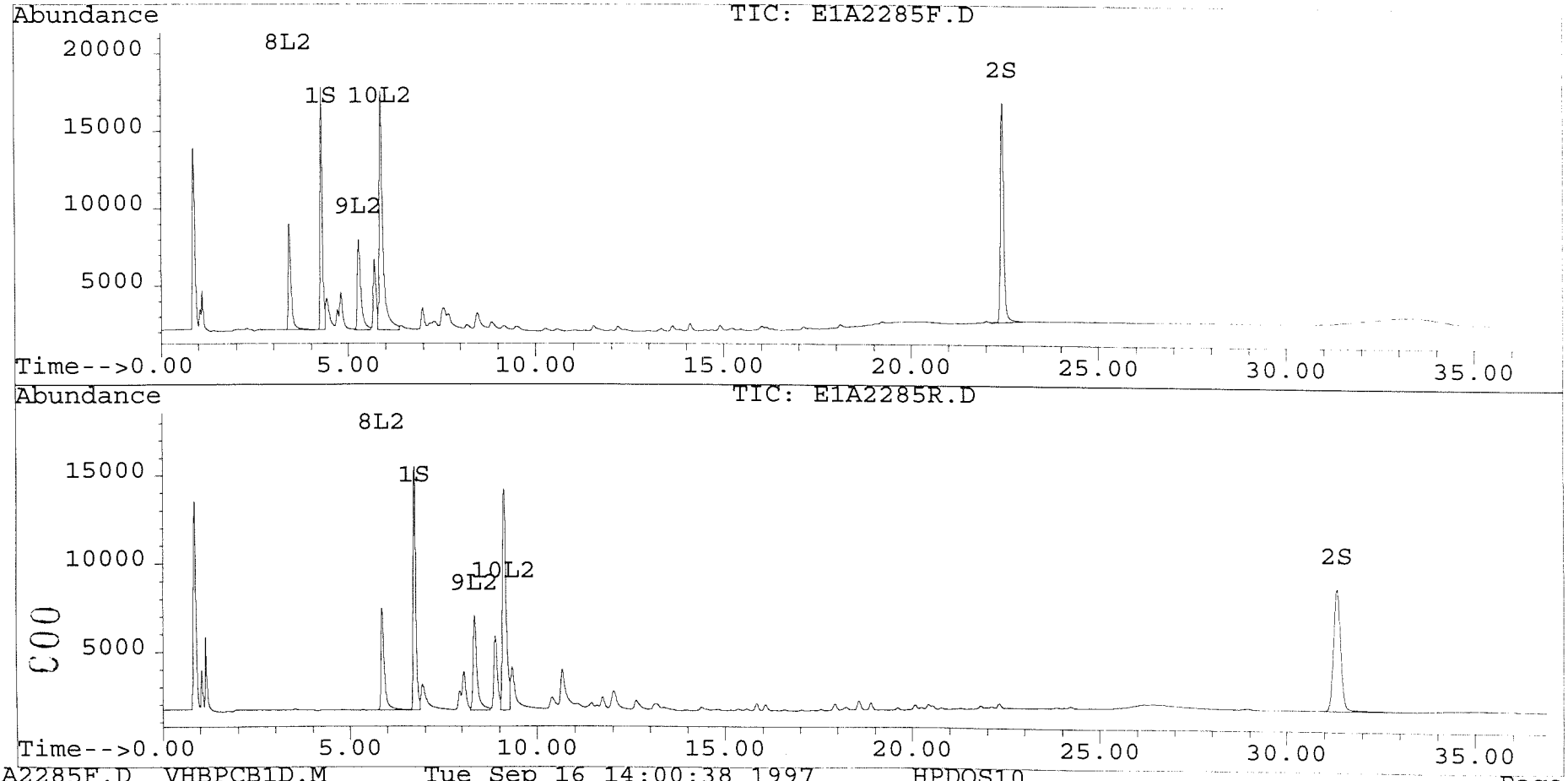
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

008

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2285F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2285F.D\E1A2285R.D
Acq On : 15 Sep 97 06:41 PM Operator: JS
Sample : ar1221D4,ar1221D4,,ar1221.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2286F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2286F.D\E1A2286R.D
Acq On : 15 Sep 97 07:21 PM Operator: JS
Sample : ar1221D3,ar1221D3,,ar1221.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	5855	5312	24.758	23.879
					Recovery	=	61.90%	59.70%
2)	S	Decachlorobiphenyl	22.44	31.34	6137	3004	27.095m	24.336
					Recovery	=	67.74%	60.84%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	3.42	5.86	3065	2641	318.140	343.078
9)	L2	Aroclor-1221 (2)	5.28	8.34	2317	2188	341.269	343.764
10)	L2	Aroclor-1221 (3)	5.87	9.13	6323	5309	355.897	357.226
		Total Aroclor-1221			11704	10138	1015.306	1044.067
		Average Aroclor-1221					338.435	348.022
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15)	L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.d	N.D.d
16)	L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.d	N.D.d
17)	L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2286F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2286F.D\E1A2286R.D
Acq On : 15 Sep 97 07:21 PM Operator: JS
Sample : ar1221D3,ar1221D3,,ar1221.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

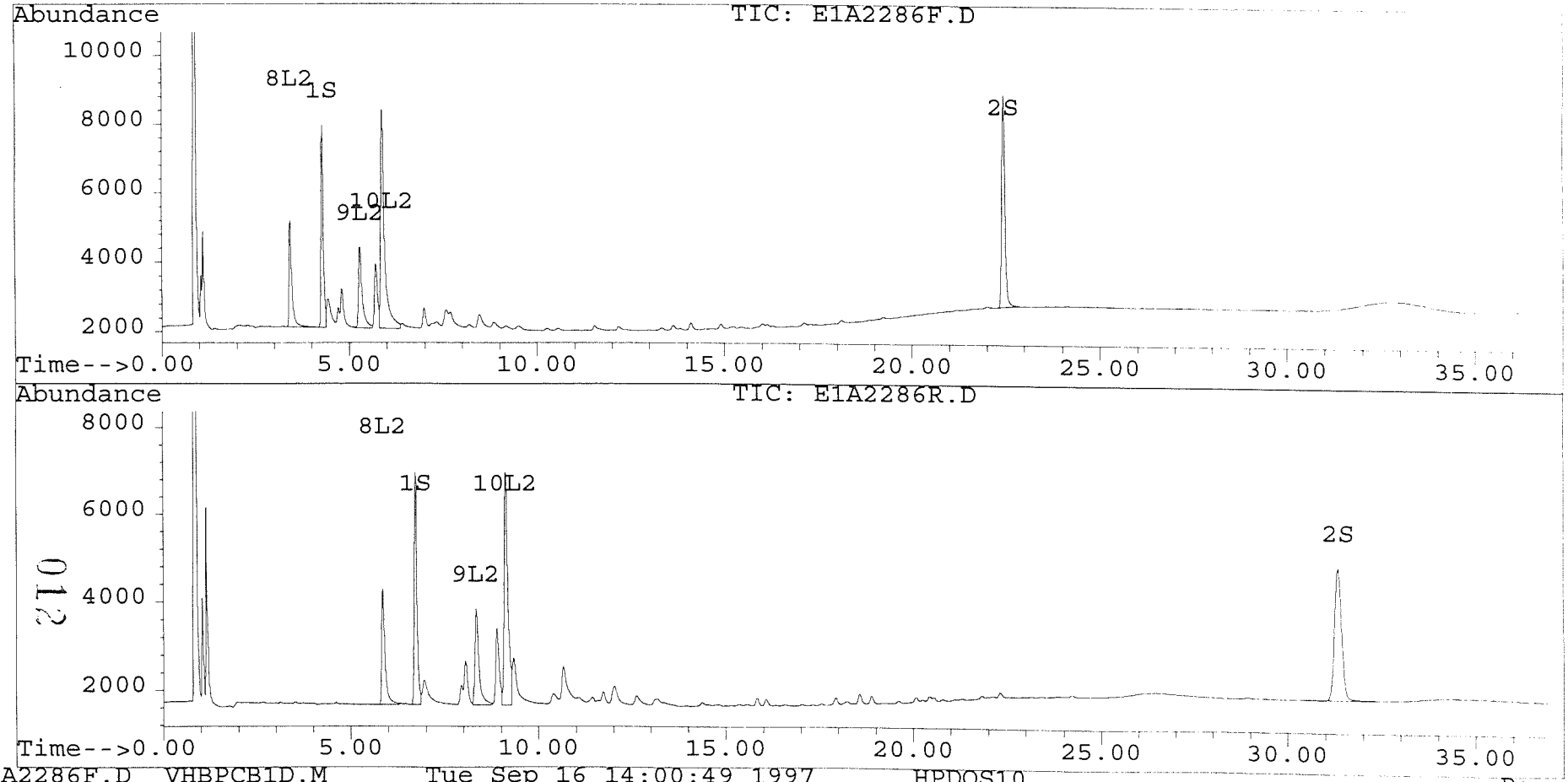
011

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2286F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2286F.D\E1A2286R.D
Acq On : 15 Sep 97 07:21 PM Operator: JS
Sample : ar1221D3,ar1221D3,,ar1221.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:52 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2287F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2287F.D\E1A2287R.D
Acq On : 15 Sep 97 08:02 PM Operator: JS
Sample : ar1221D2,ar1221D2,,ar1221.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2084	1970	8.810	8.855
					Recovery	=	22.03%	22.14%
2)	S	Decachlorobiphenyl	22.44	31.34	2477	1216	10.937m	9.857
					Recovery	=	27.34%	24.64%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	3.43	5.87	1309	1162	135.912	150.974
9)	L2	Aroclor-1221 {2}	5.28	8.35	898	875	132.344	137.472
10)	L2	Aroclor-1221 {3}	5.88	9.14	2494	2175	140.365	146.352
	Total	Aroclor-1221			4701	4212	408.621	434.798
	Average	Aroclor-1221					136.207	144.933
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

013

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2287F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2287F.D\E1A2287R.D
Acq On : 15 Sep 97 08:02 PM Operator: JS
Sample : ar1221D2,ar1221D2,,ar1221.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

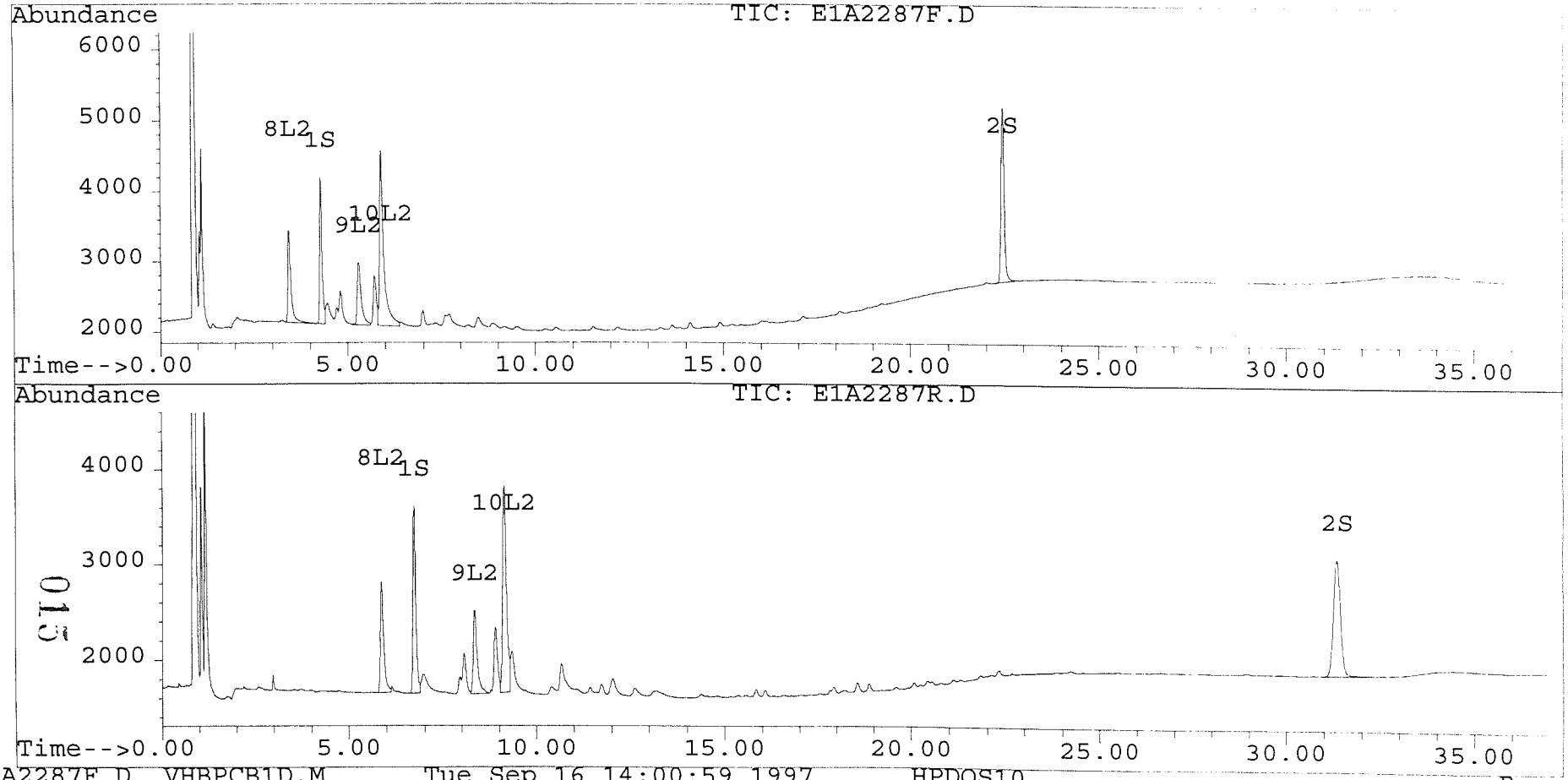
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

014

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2287F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2287F.D\E1A2287R.D
Acq On : 15 Sep 97 08:02 PM Operator: JS
Sample : ar1221D2,ar1221D2,,ar1221.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2288F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2288F.D\E1A2288R.D
Acq On : 15 Sep 97 08:42 PM Operator: JS
Sample : ar1221D1,ar1221D1a,,ar1221.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 13:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.28	6.74	491	465	2.076	2.089
				Recovery	=	5.19%	5.22%
2) S	Decachlorobiphenyl	22.44	31.34	622	310	2.748m	2.509
				Recovery	=	6.87%	6.27%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	3.43	5.87	643	563	66.752	73.194
9) L2	Aroclor-1221 (2)	5.28	8.35	395	394	58.253	61.817
10) L2	Aroclor-1221 (3)	5.89	9.14	1089	991	61.309	66.665
Total	Aroclor-1221			2128	1948	186.314	201.676
Average	Aroclor-1221					62.105	67.225
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2288F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2288F.D\E1A2288R.D
Acq On : 15 Sep 97 08:42 PM Operator: JS
Sample : ar1221D1,ar1221D1a,,ar1221.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 13:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	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

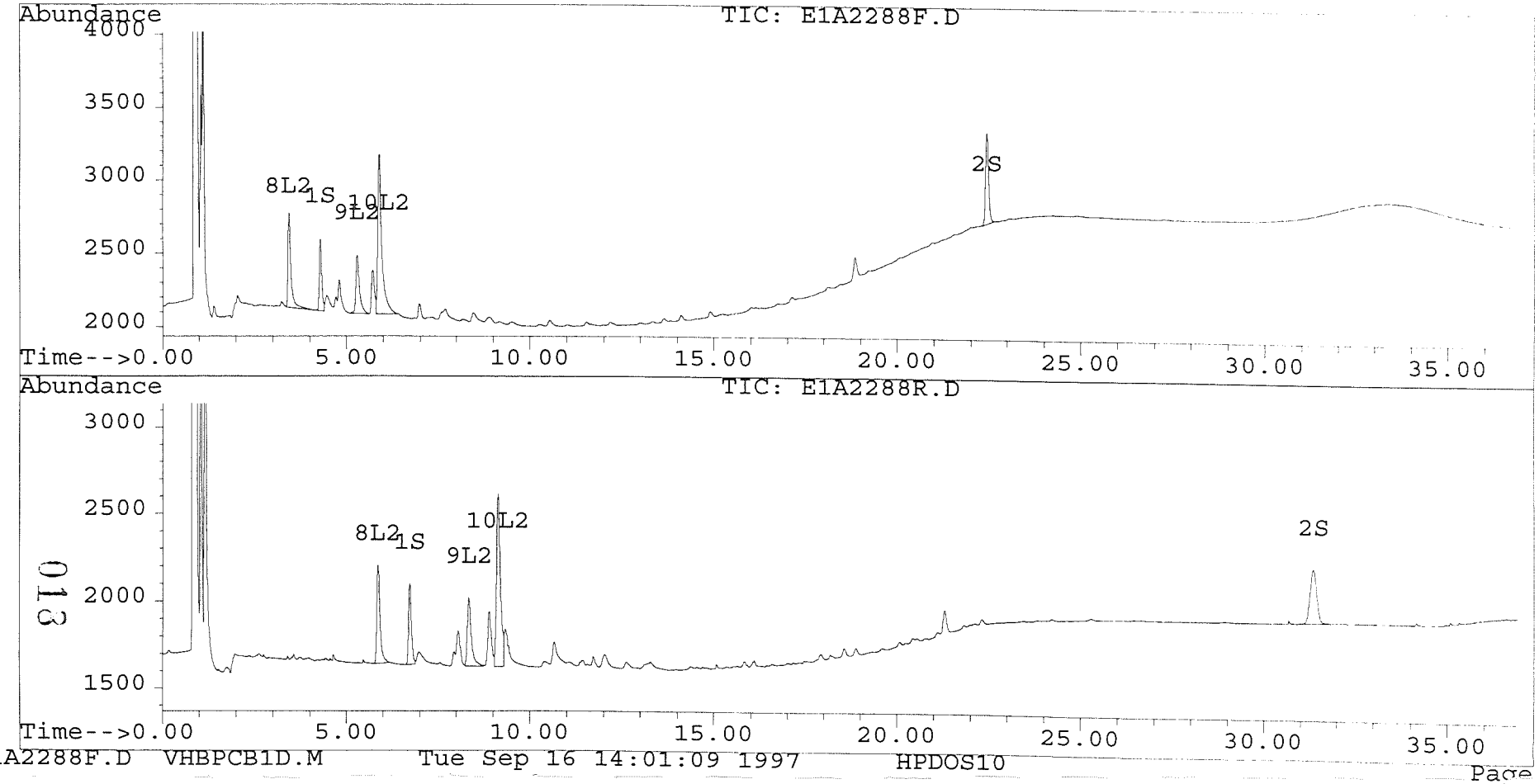
017

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2288F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2288F.D\E1A2288R.D
Acq On : 15 Sep 97 08:42 PM Operator: JS
Sample : ar1221D1,ar1221D1a,,ar1221.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 13:53 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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



013

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D\E1A2289R.D
Acq On : 15 Sep 97 09:23 PM Operator: JS
Sample : ar1232D5,ar1232D5,,ar1232.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	30502	27390	128.971	123.114
					Recovery	=	322.43%	307.79%
2)	S	Decachlorobiphenyl	22.44	31.34	25414	12586	112.205	101.979
					Recovery	=	280.51%	254.95%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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	5.86	9.12	23073	19048	1562.987	1485.602
12)	L3	Aroclor-1232 (2)	6.97	10.65	18620	18329	1444.561	1386.513
13)	L3	Aroclor-1232 (3)	8.42	12.01	27285	22206	1951.149	1686.822
	Total	Aroclor-1232			68978	59583	4958.697	4558.936
	Average	Aroclor-1232					1652.899	1519.645
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

013

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D\E1A2289R.D
Acq On : 15 Sep 97 09:23 PM Operator: JS
Sample : ar1232D5,ar1232D5,,ar1232.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

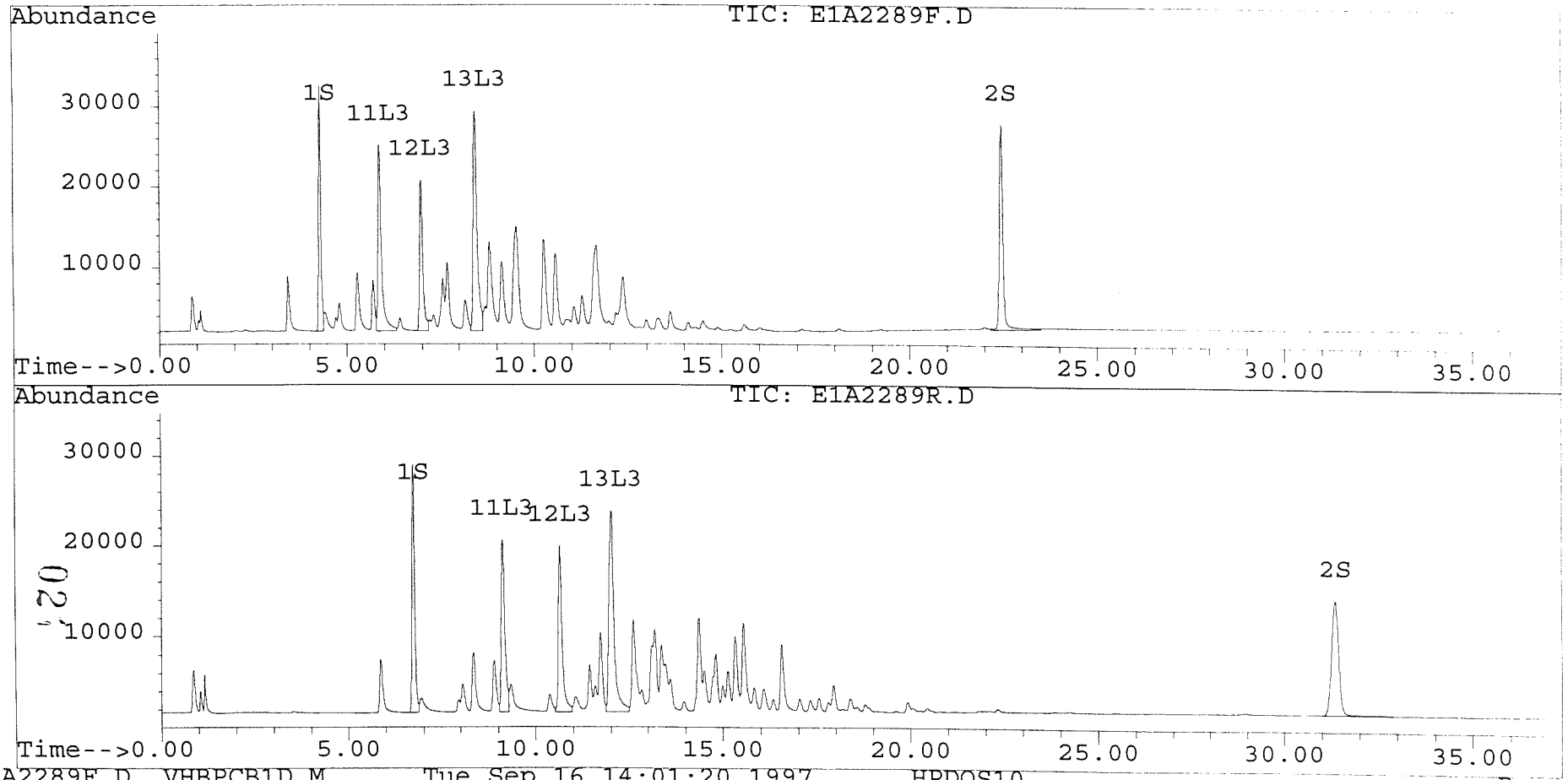
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

020

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2289F.D\E1A2289R.D
Acq On : 15 Sep 97 09:23 PM Operator: JS
Sample : ar1232D5,ar1232D5,,ar1232.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:57 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2290F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2290F.D\E1A2290R.D
Acq On : 15 Sep 97 10:03 PM Operator: JS
Sample : ar1232D4,ar1232D4,,ar1232.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	13961	12874	59.031	57.866
				Recovery	=	147.58%	144.67%
2) S	Decachlorobiphenyl	22.44	31.33	13774	6583	60.812	53.335
				Recovery	=	152.03%	133.34%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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	5.87	9.13	11585	9939	784.758	775.159
12) L3	Aroclor-1232 (2)	6.98	10.65	9896	9828	767.784	743.454
13) L3	Aroclor-1232 (3)	8.43	12.02	12963	10952	927.006	831.914
Total	Aroclor-1232			34445	30719	2479.549	2350.527
Average	Aroclor-1232					826.516	783.509
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

022

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2290F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2290F.D\E1A2290R.D
Acq On : 15 Sep 97 10:03 PM Operator: JS
Sample : ar1232D4,ar1232D4,,ar1232.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

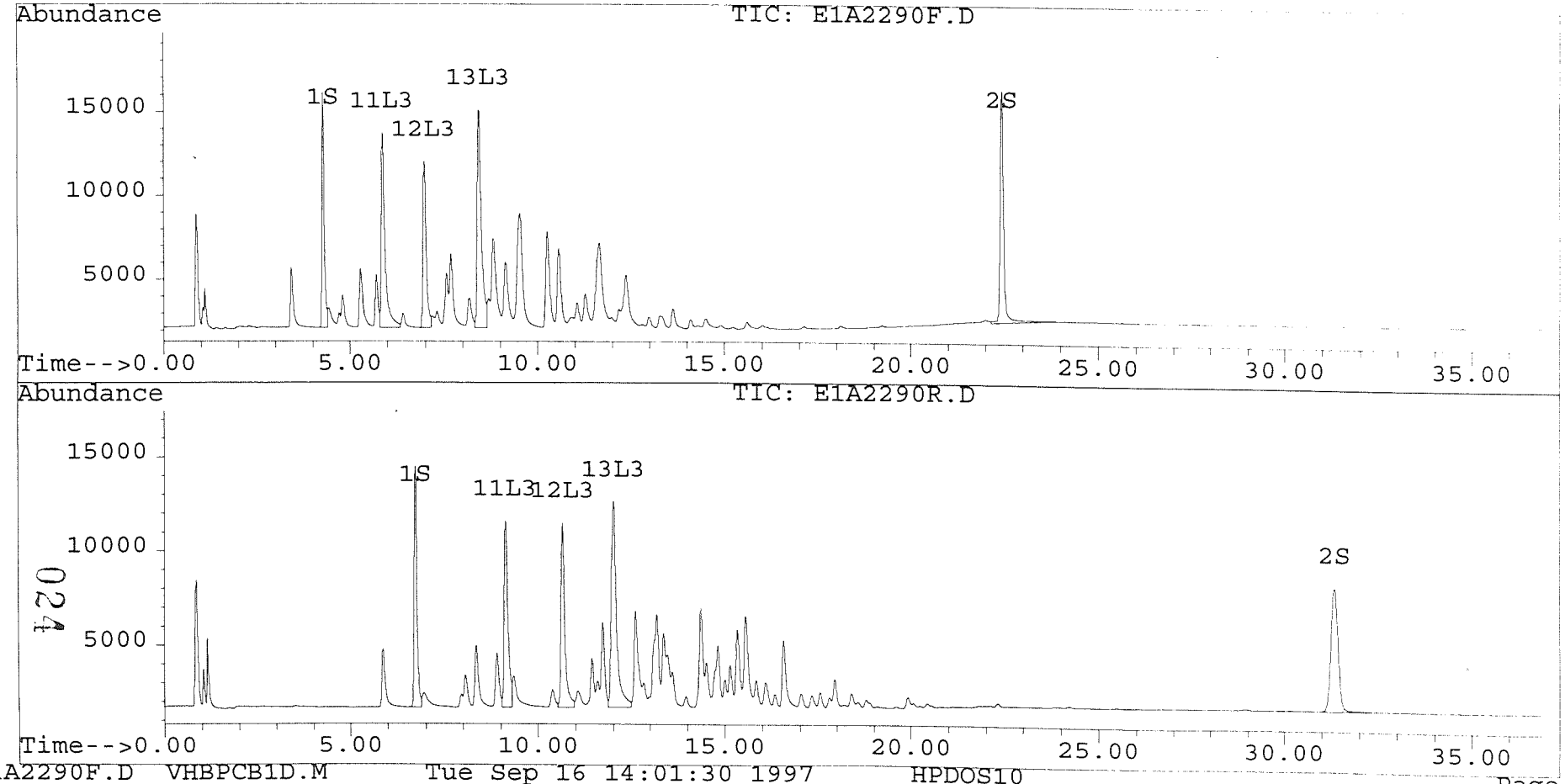
023

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2290F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2290F.D\E1A2290R.D
Acq On : 15 Sep 97 10:03 PM Operator: JS
Sample : ar1232D4,ar1232D4,,ar1232.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2291F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2291F.D\E1A2291R.D
Acq On : 15 Sep 97 10:44 PM Operator: JS
Sample : ar1232D3,ar1232D3,,ar1232.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	5095	4785	21.544	21.508
				Recovery	=	53.86%	53.77%
2) S	Decachlorobiphenyl	22.44	31.34	5680	2746	25.078m	22.247
				Recovery	=	62.70%	55.62%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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.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	5.88	9.13	4726	4135	320.135	322.501
12) L3	Aroclor-1232 (2)	6.98	10.66	4266	4349	330.951	328.950
13) L3	Aroclor-1232 (3)	8.44	12.02	4706	4208	336.519	319.635
Total	Aroclor-1232			13698	12691	987.605	971.085
Average	Aroclor-1232					329.202	323.695
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2291F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2291F.D\E1A2291R.D
Acq On : 15 Sep 97 10:44 PM Operator: JS
Sample : ar1232D3,ar1232D3,,ar1232.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

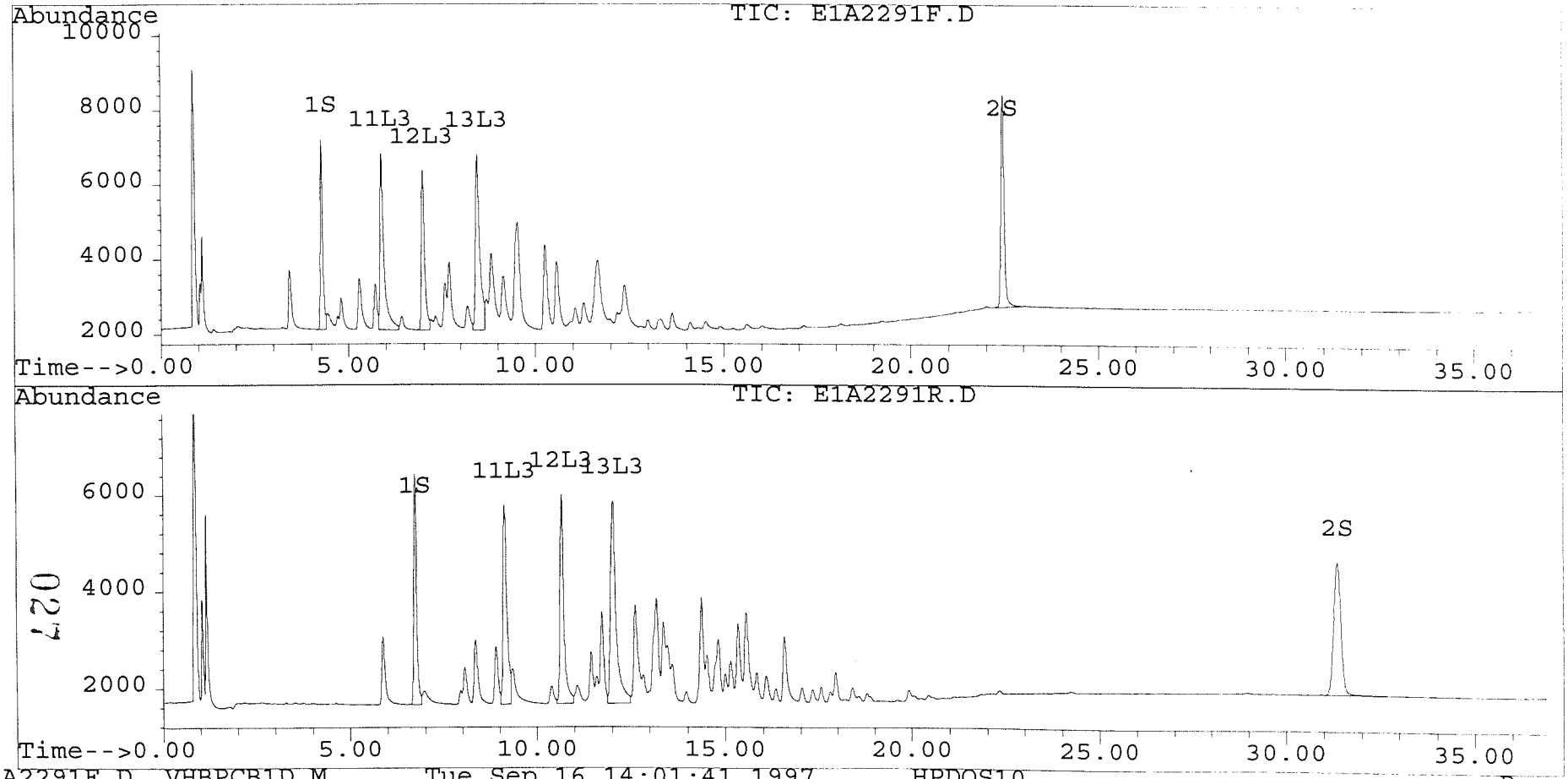
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

026

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2291F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2291F.D\E1A2291R.D
Acq On : 15 Sep 97 10:44 PM Operator: JS
Sample : ar1232D3,ar1232D3,,ar1232.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2292F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2292F.D\E1A2292R.D
Acq On : 15 Sep 97 11:25 PM Operator: JS
Sample : ar1232D2,ar1232D2,,ar1232.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2172	2050	9.183	9.216
					Recovery	=	22.96%	23.04%
2)	S	Decachlorobiphenyl	22.44	31.34	2642	1273	11.666m	10.312
					Recovery	=	29.17%	25.78%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	5.88	9.14	2070	1866	140.215	145.572
12)	L3	Aroclor-1232 (2)	6.98	10.66	1977	2039	153.399	154.265
13)	L3	Aroclor-1232 (3)	8.45	12.02	1870	1794	133.742	136.280
	Total	Aroclor-1232			5917	5700	427.356	436.116
	Average	Aroclor-1232					142.452	145.372
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

023

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2292F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2292F.D\E1A2292R.D
Acq On : 15 Sep 97 11:25 PM Operator: JS
Sample : ar1232D2,ar1232D2,,ar1232.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

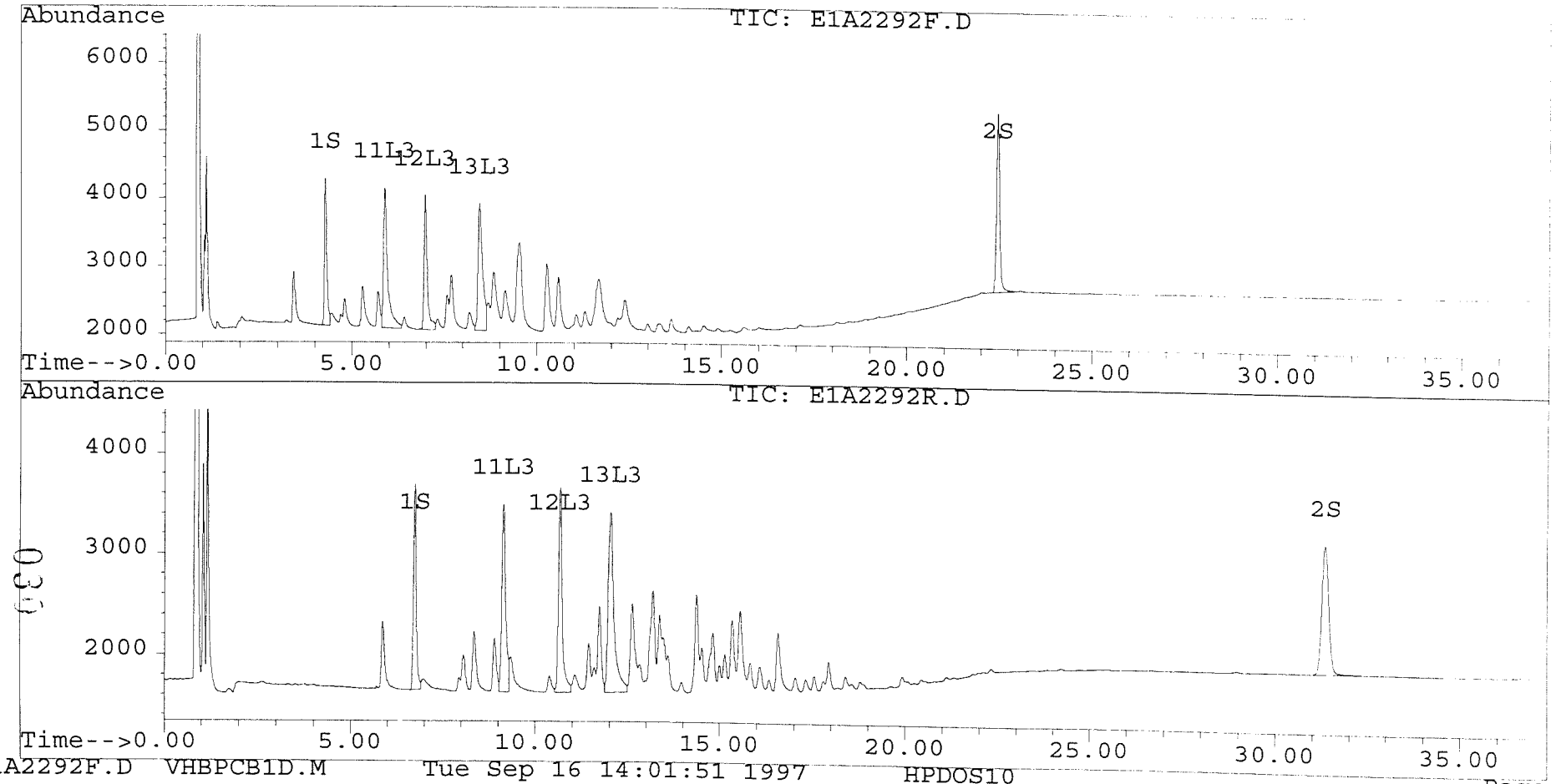
023

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2292F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2292F.D\E1A2292R.D
Acq On : 15 Sep 97 11:25 PM Operator: JS
Sample : ar1232D2,ar1232D2,,ar1232.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 11:58 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2295F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2295F.D\E1A2295R.D
Acq On : 16 Sep 97 01:26 AM Operator: JS
Sample : ar1242D4,ar1242D4,,ar1242.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	10893	10196	46.060	45.828
					Recovery	=	115.15%	114.57%
2)	S	Decachlorobiphenyl	22.44	31.34	10611	5267	46.850m	42.679
					Recovery	=	117.13%	106.70%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	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.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	6.97	10.65	16347	15650	447.048	425.544
15)	L4	Aroclor-1242 {2}	8.42	12.01	23413	19338	454.218	493.911
16)	L4	Aroclor-1242 {3}	9.51	13.18	13079	9568	458.804	455.156
17)	L4	Aroclor-1242 (4)	10.25	14.37	11895	10722	502.977	484.234
18)	L4	Aroclor-1242 (5)	10.56	14.81	9686	6610	510.723	484.251
		Total Aroclor-1242			74419	61888	2373.771	2343.096
		Average Aroclor-1242					474.754	468.619
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

031

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2295F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2295F.D\E1A2295R.D
Acq On : 16 Sep 97 01:26 AM Operator: JS
Sample : ar1242D4,ar1242D4,,ar1242.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

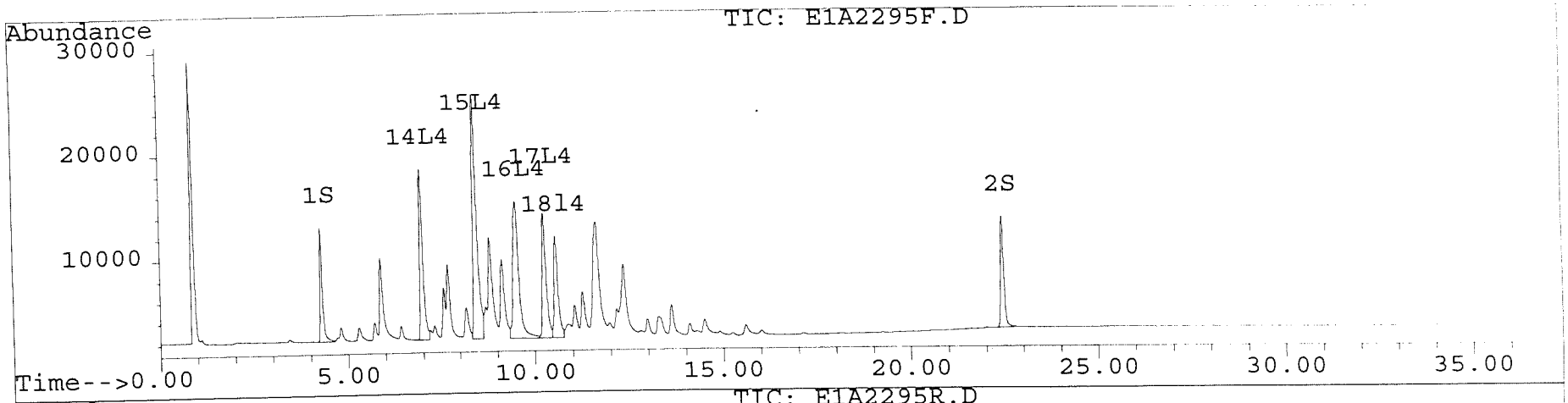
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.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

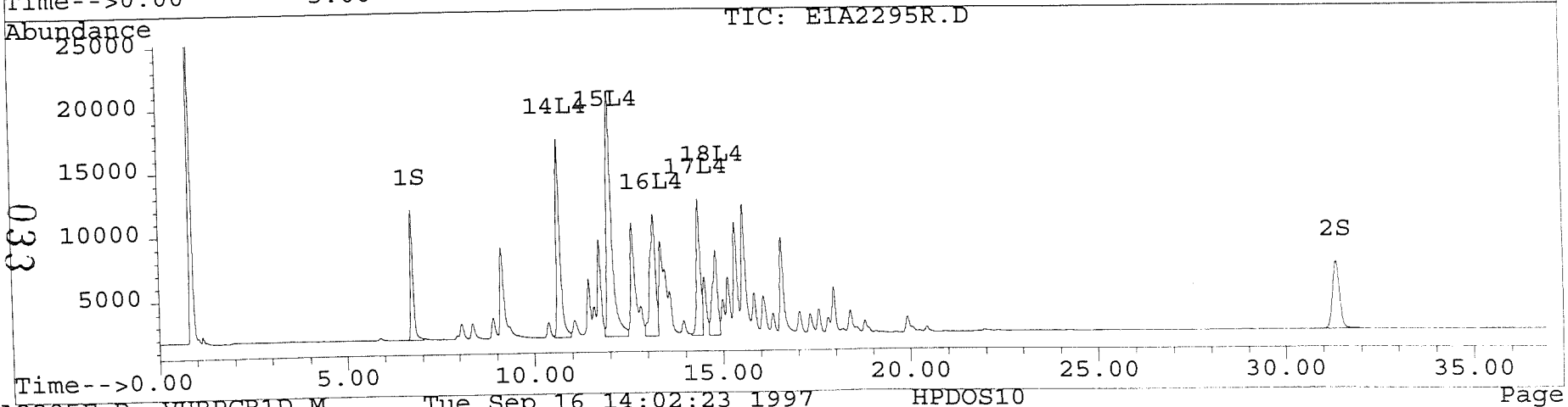
032

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2295F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2295F.D\E1A2295R.D
Acq On : 16 Sep 97 01:26 AM Operator: JS
Sample : ar1242D4,ar1242D4,,ar1242.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 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





03

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D\E1A2296R.D
Acq On : 16 Sep 97 02:07 AM Operator: JS
Sample : ar1242D3,ar1242D3,,ar1242.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4486	4126	18.970	18.545
					Recovery	=	47.43%	46.36%
2)	S	Decachlorobiphenyl	22.44	31.33	4771	2295	21.065m	18.595
					Recovery	=	52.66%	46.49%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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	6.97	10.65	7514	7293	205.483	198.310
15)	L4	Aroclor-1242 {2}	8.43	12.01	9105	7788	176.634	198.905
16)	L4	Aroclor-1242 {3}	9.51	13.18	5868	4421	205.835	210.321
17)	L4	Aroclor-1242 (4)	10.25	14.36	4989	4654	210.949	210.199
18)	L4	Aroclor-1242 (5)	10.56	14.81	4004	2770	211.143	202.916
		Total Aroclor-1242			31479	26926	1010.044	1020.651
		Average Aroclor-1242					202.009	204.130
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

034

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D\E1A2296R.D
Acq On : 16 Sep 97 02:07 AM Operator: JS
Sample : ar1242D3,ar1242D3,,ar1242.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
_0) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
verage	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
3) 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
6) 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
7) 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

035

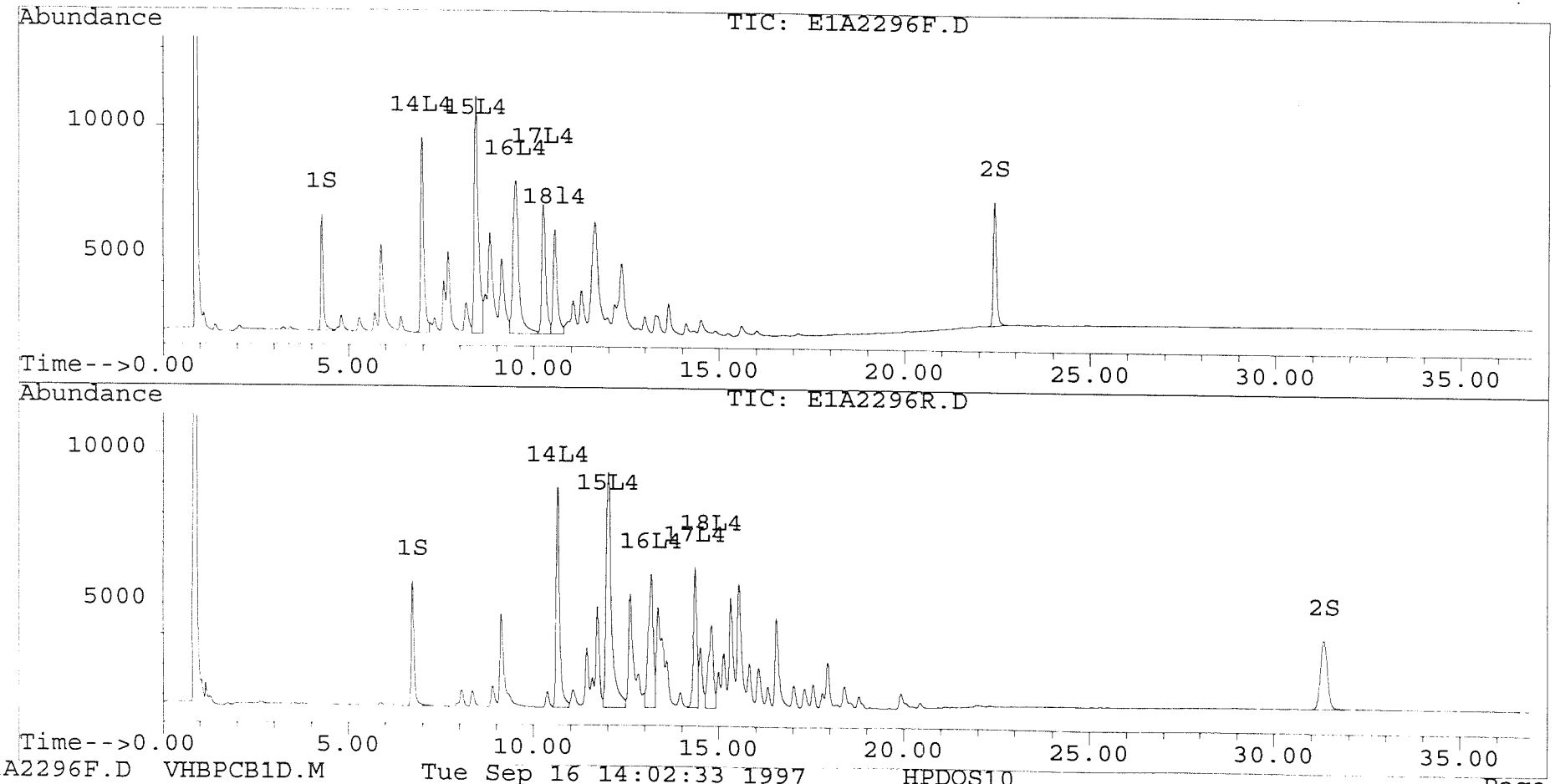
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2296F.D\E1A2296R.D
Acq On : 16 Sep 97 02:07 AM Operator: JS
Sample : ar1242D3,ar1242D3,,ar1242.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:00 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

036

Volume Inj. : 2.0 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\970915\E1A2297F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2297F.D\E1A2297R.D
Acq On : 16 Sep 97 02:47 AM Operator: JS
Sample : ar1242D2,ar1242D2,,ar1242.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2161	2044	9.136	9.188
					Recovery	=	22.84%	22.97%
2)	S	Decachlorobiphenyl	22.44	31.34	2550	1267	11.259m	10.266
					Recovery	=	28.15%	25.67%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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.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	6.98	10.65	4341	4319	118.706	117.428
15)	L4	Aroclor-1242 (2)	8.44	12.02	4637	4159	89.962	106.223
16)	L4	Aroclor-1242 (3)	9.52	13.18	3314	2590	116.263	123.196
17)	L4	Aroclor-1242 (4)	10.26	14.37	2723	2595	115.129	117.184
18)	L4	Aroclor-1242 (5)	10.57	14.81	2169	1542	114.383	112.997
		Total Aroclor-1242			17184	15204	554.443	577.028
		Average Aroclor-1242					110.889	115.406
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2297F.D VHBPCB1D.M Tue Sep 16 14:02:39 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2297F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2297F.D\E1A2297R.D
Acq On : 16 Sep 97 02:47 AM Operator: JS
Sample : ar1242D2,ar1242D2,,ar1242.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

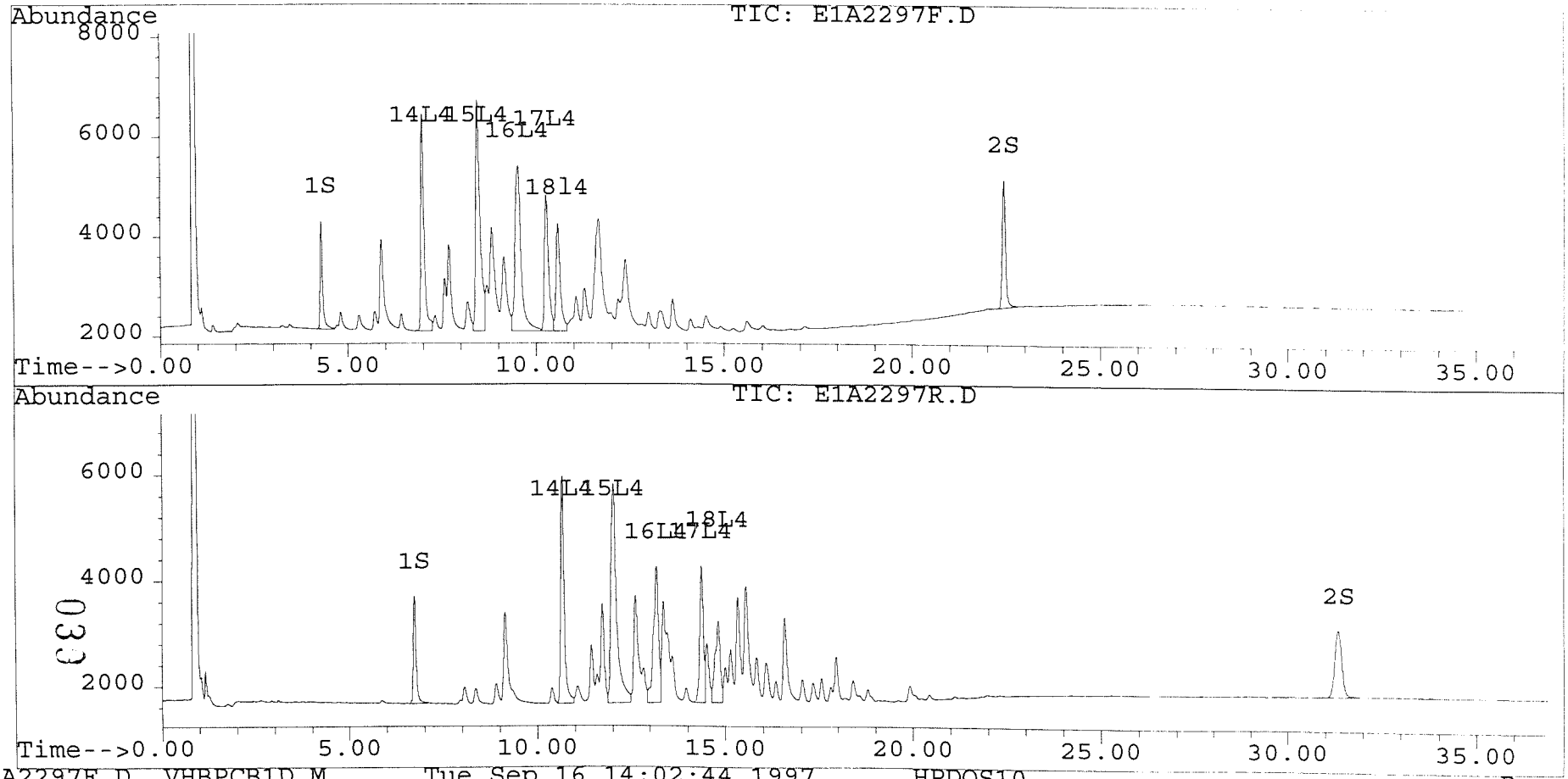
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 (3)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

033

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2297F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2297F.D\E1A2297R.D
Acq On : 16 Sep 97 02:47 AM Operator: JS
Sample : ar1242D2,ar1242D2,,ar1242.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:01 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2298F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2298F.D\E1A2298R.D
Acq On : 16 Sep 97 03:28 AM Operator: JS
Sample : ar1242D1,ar1242D1,,ar1242.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	413	393	1.744	1.768
					Recovery	=	4.36%	4.42%
2)	S	Decachlorobiphenyl	22.44	31.34	516	259	2.280m	2.096m
					Recovery	=	5.70%	5.24%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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	6.98	10.66	739	776	20.207	21.098
15)	L4	Aroclor-1242 (2)	8.46	12.02	593	640	11.512	16.335 #
16)	L4	Aroclor-1242 (3)	9.52	13.18	548	459	19.231	21.850
17)	L4	Aroclor-1242 (4)	10.26	14.37	417	436	17.621	19.700
18)	L4	Aroclor-1242 (5)	10.57	14.82	342	263	18.046	19.234
		Total Aroclor-1242			2639	2573	86.617	98.216
		Average Aroclor-1242					17.323	19.643
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2298F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2298F.D\E1A2298R.D
Acq On : 16 Sep 97 03:28 AM Operator: JS
Sample : ar1242D1,ar1242D1,,ar1242.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6 Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
27) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

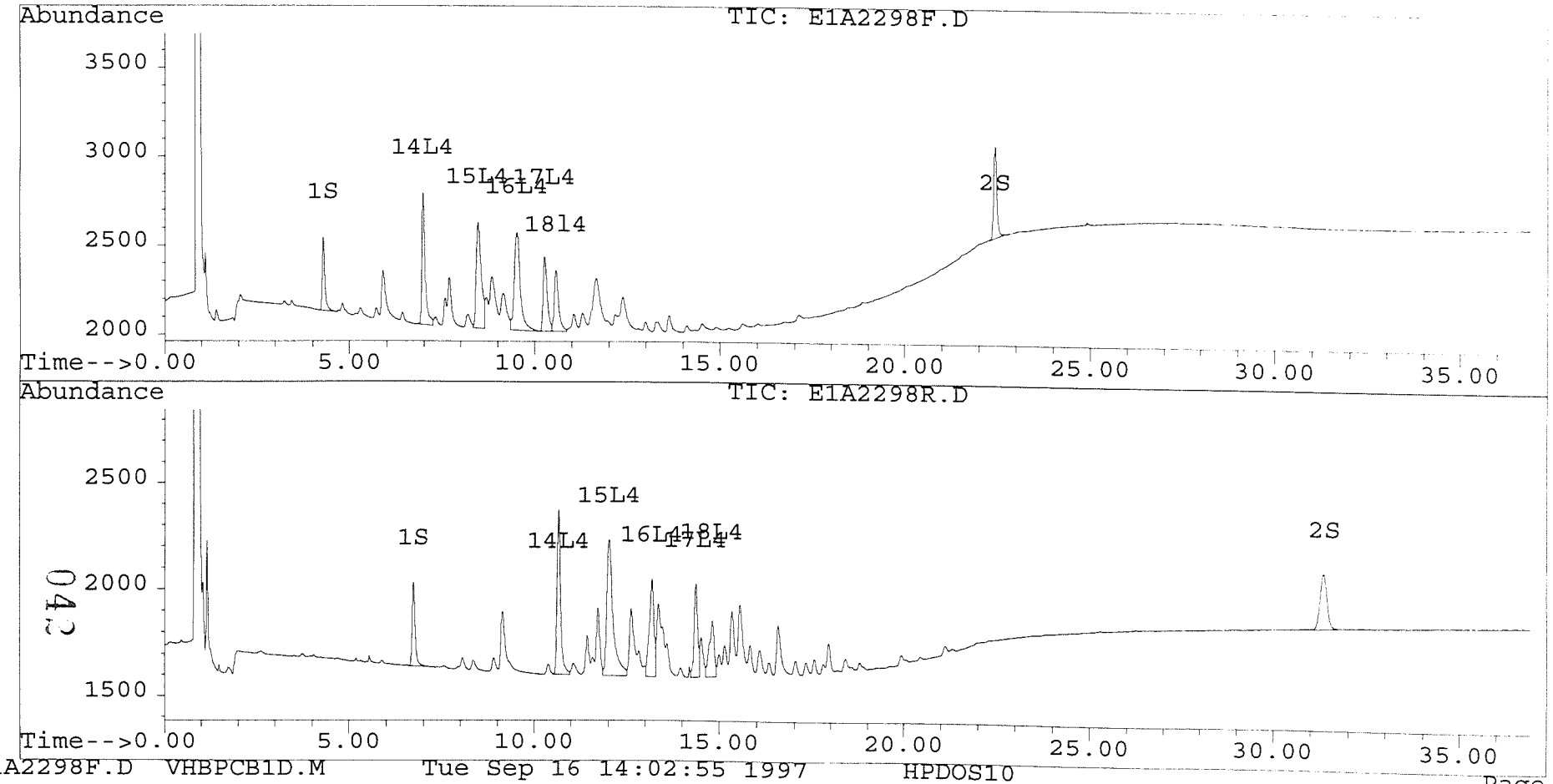
041

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2298F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2298F.D\E1A2298R.D
Acq On : 16 Sep 97 03:28 AM Operator: JS
Sample : ar1242D1,ar1242D1,,ar1242.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2299F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2299F.D\E1A2299R.D
Acq On : 16 Sep 97 04:09 AM Operator: JS
Sample : ar1248D5,ar1248D5,,ar1248.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	25956	23555	109.750	105.876
				Recovery	=	274.38%	264.69%
2) S	Decachlorobiphenyl	22.44	31.34	22346	10952	98.661	88.741
				Recovery	=	246.65%	221.85%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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	10.25	15.32	39050	34053	1905.381	2010.054

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2299F.D VHBPCB1D.M Tue Sep 16 14:03:00 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2299F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2299F.D\E1A2299R.D
Acq On : 16 Sep 97 04:09 AM Operator: JS
Sample : ar1248D5,ar1248D5,,ar1248.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

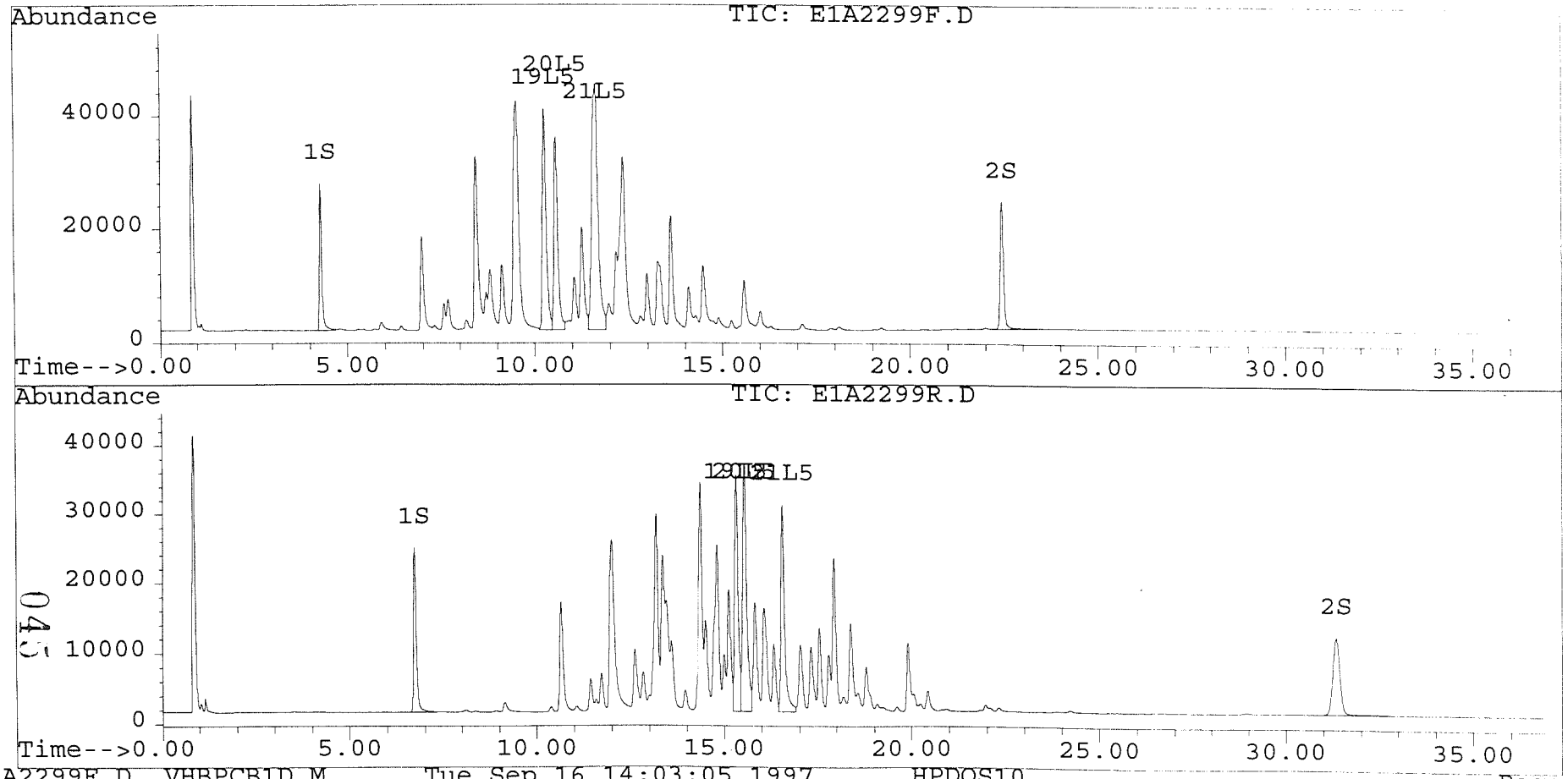
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.55	15.54	34103	35569	2048.339	2105.070
21) L5 Aroclor-1248 {3}	11.62	16.56	43295	29794	2225.268	2305.788
Total Aroclor-1248			116448	99416	6178.989	6420.912
Average Aroclor-1248					2059.663	2140.304
22) L6 Aroclor-1254	0.00	0.00	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.	N.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

044

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2299F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2299F.D\E1A2299R.D
Acq On : 16 Sep 97 04:09 AM Operator: JS
Sample : ar1248D5,ar1248D5,,ar1248.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:02 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2300F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2300F.D\E1A2300R.D
Acq On : 16 Sep 97 04:49 AM Operator: JS
Sample : ar1248D4,ar1248D4,,ar1248.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	12779	11417	54.033	51.317
					Recovery	=	135.08%	128.29%
2)	S	Decachlorobiphenyl	22.44	31.34	11843	5734	52.286	46.460
					Recovery	=	130.72%	116.15%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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	10.25	15.32	20376	17222	994.192	1016.567

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2300F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2300F.D\E1A2300R.D
Acq On : 16 Sep 97 04:49 AM Operator: JS
Sample : ar1248D4,ar1248D4,,ar1248.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	17257	17792	1036.523	1052.962
21) L5	Aroclor-1248 (3)	11.63	16.56	21611	14051	1110.773	1087.418
Total	Aroclor-1248			59244	49065	3141.487	3156.946
Average	Aroclor-1248					1047.162	1052.315
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

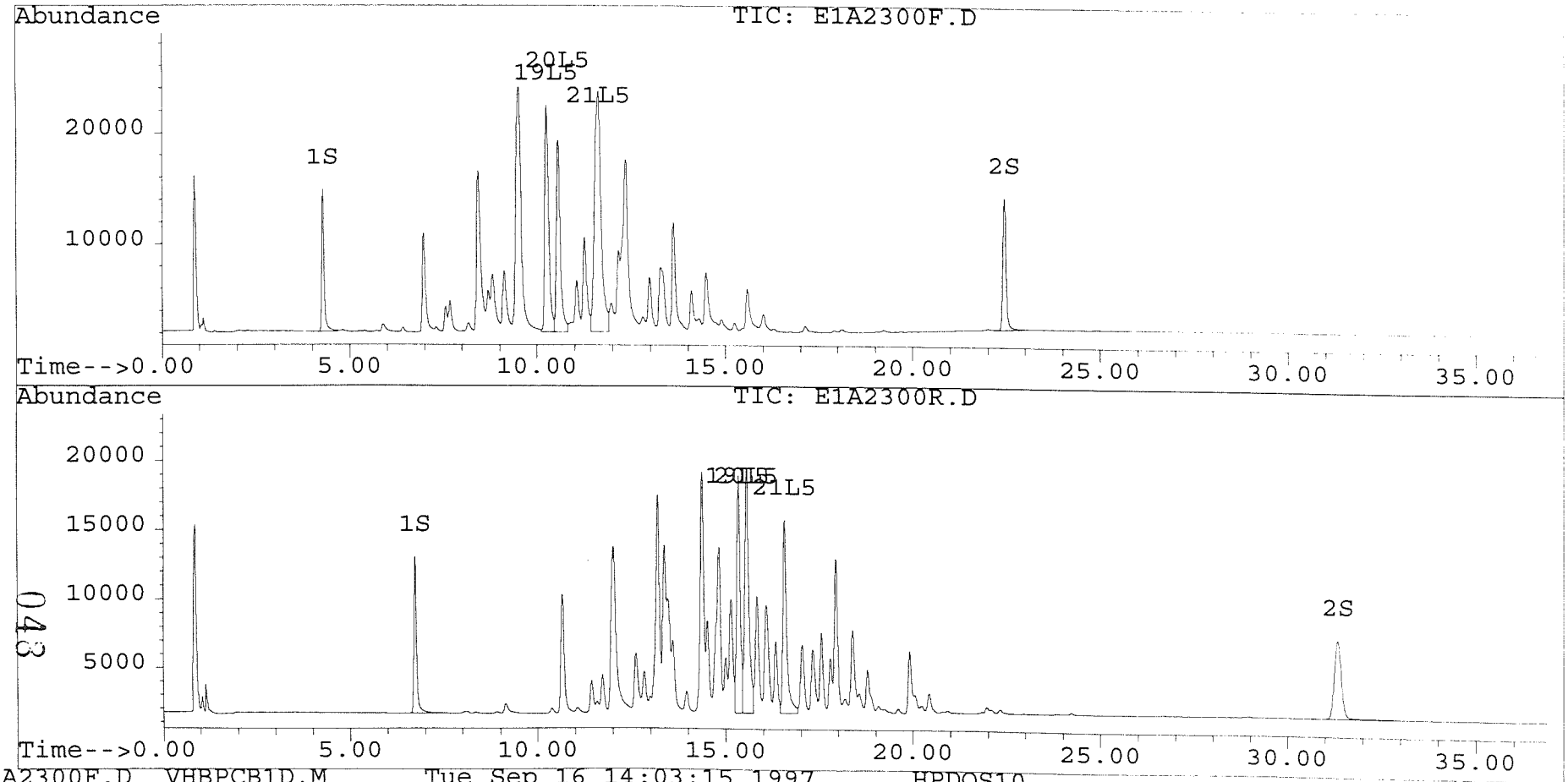
047

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2300F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2300F.D\E1A2300R.D
Acq On : 16 Sep 97 04:49 AM Operator: JS
Sample : ar1248D4,ar1248D4,,ar1248.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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



043

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D\E1A2301R.D
Acq On : 16 Sep 97 05:30 AM Operator: JS
Sample : ar1248D3,ar1248D3,,ar1248.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4534	4123	19.170	18.533
				Recovery	=	47.93%	46.33%
2) S	Decachlorobiphenyl	22.44	31.34	4843	2349	21.380m	19.035
				Recovery	=	53.45%	47.59%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1016			0	0	N.D.	N.D.
Average	Aroclor-1016					0.000	0.000
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1221			0	0	N.D.	N.D.
Average	Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1232			0	0	N.D.	N.D.
Average	Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1242			0	0	N.D.	N.D.
Average	Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	10.25	15.33	8161	6694	398.217	395.128

049

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D\E1A2301R.D
Acq On : 16 Sep 97 05:30 AM Operator: JS
Sample : ar1248D3,ar1248D3,,ar1248.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

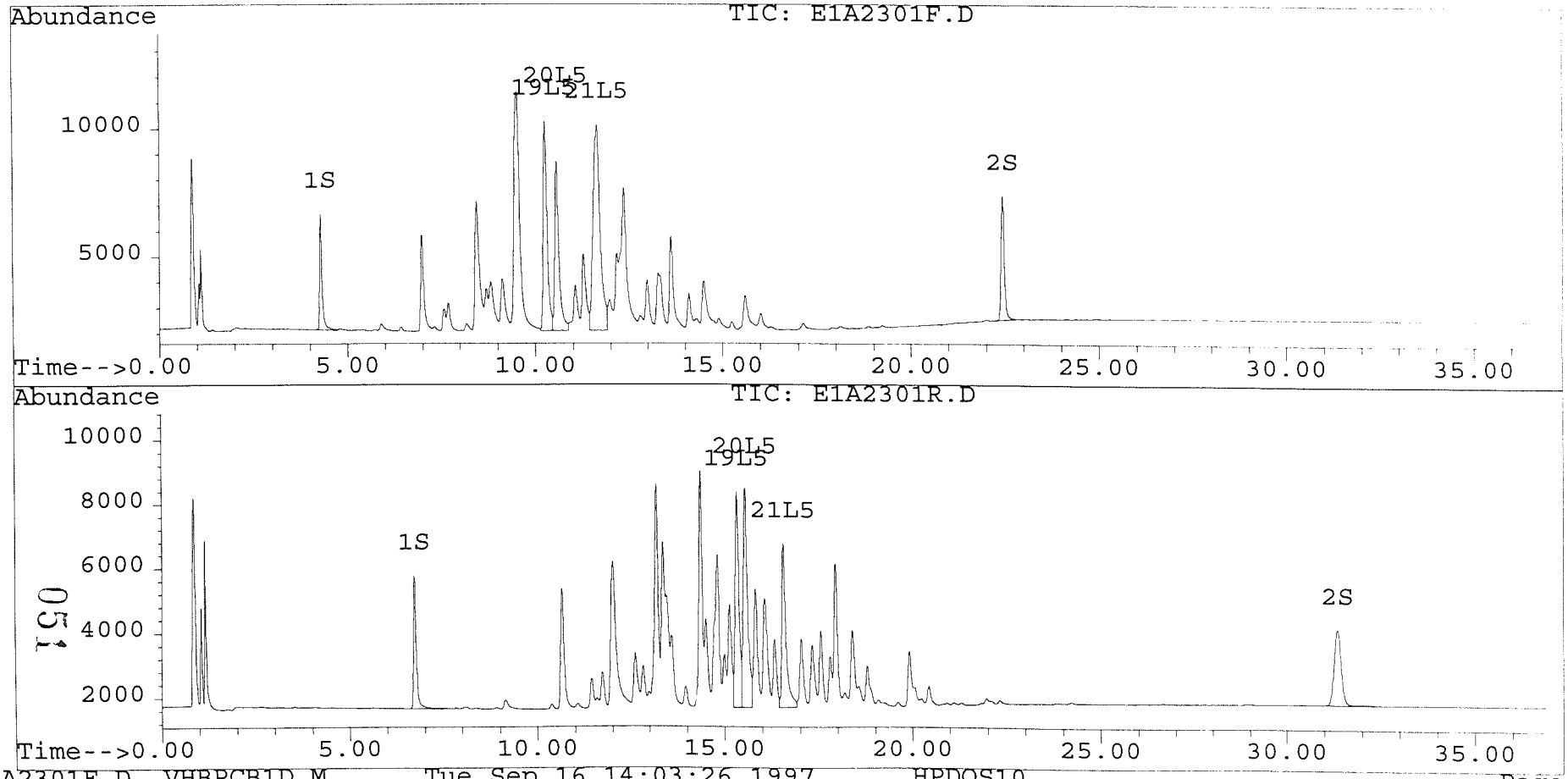
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.56	15.55	6582	6808	395.351	402.896
21) L5 Aroclor-1248 {3}	11.64	16.57	8019	5077	412.185	392.906
Total Aroclor-1248			22763	18579	1205.753	1190.930
Average Aroclor-1248					401.918	396.977
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	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

050

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D Vial: 18
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2301F.D\E1A2301R.D
Acq On : 16 Sep 97 05:30 AM Operator: JS
Sample : ar1248D3,ar1248D3,,ar1248.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2302F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2302F.D\E1A2302R.D
Acq On : 16 Sep 97 06:10 AM Operator: JS
Sample : ar1248D2,ar1248D2,,ar1248.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2053	1901	8.679	8.543
					Recovery	=	21.70%	21.36%
2)	S	Decachlorobiphenyl	22.44	31.34	2393	1169	10.565m	9.472
					Recovery	=	26.41%	23.68%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1016			0	0	N.D.	N.D.
		Average Aroclor-1016					0.000	0.000
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1221			0	0	N.D.	N.D.
		Average Aroclor-1221					0.000	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12)	L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
13)	L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1232			0	0	N.D.	N.D.
		Average Aroclor-1232					0.000	0.000
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15)	L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
16)	L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
17)	L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
		Total Aroclor-1242			0	0	N.D.	N.D.
		Average Aroclor-1242					0.000	0.000
19)	L5	Aroclor-1248	10.26	15.33	3925	3203	191.508	189.039

052

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2302F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2302F.D\E1A2302R.D
Acq On : 16 Sep 97 06:10 AM Operator: JS
Sample : ar1248D2,ar1248D2,,ar1248.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	3156	3181	189.555	188.238
21) L5	Aroclor-1248 (3)	11.65	16.57	3676	2344	188.918	181.427
Total	Aroclor-1248			10756	8727	569.981	558.704
Average	Aroclor-1248					189.994	186.235
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

053

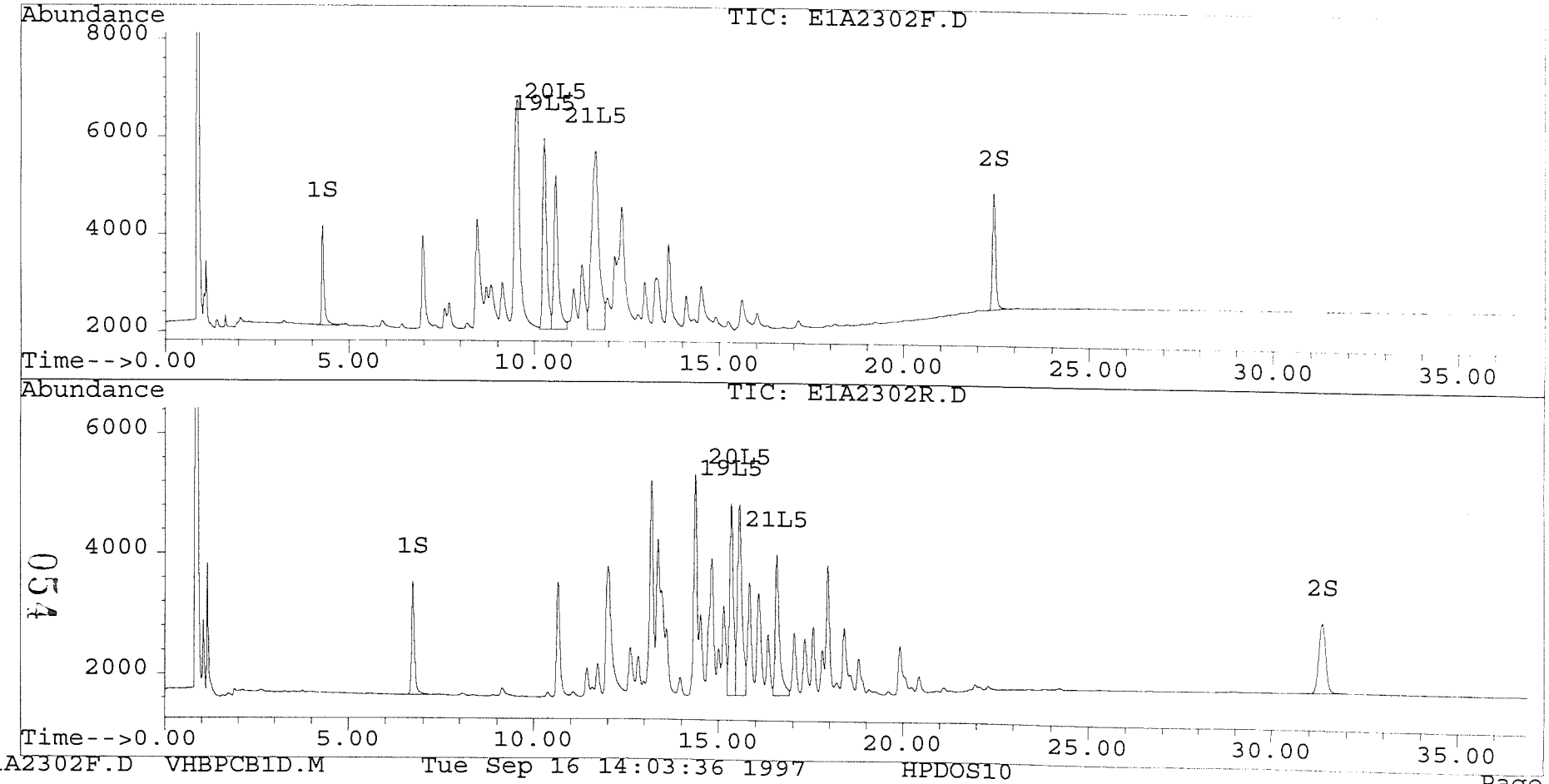
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2302F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2302F.D\E1A2302R.D
Acq On : 16 Sep 97 06:10 AM Operator: JS
Sample : ar1248D2,ar1248D2,,ar1248.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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



054

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D\E1A2303R.D
Acq On : 16 Sep 97 06:51 AM Operator: JS
Sample : ar1248D1,ar1248D1,,ar1248.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	368	353	1.555	1.585
				Recovery	=	3.89%	3.96%
2) S	Decachlorobiphenyl	22.44	31.33	464	231	2.048m	1.875
				Recovery	=	5.12%	4.69%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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.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	10.26	15.34	704	575	34.359	33.941

055

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D\E1A2303R.D
Acq On : 16 Sep 97 06:51 AM Operator: JS
Sample : ar1248D1,ar1248D1,,ar1248.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

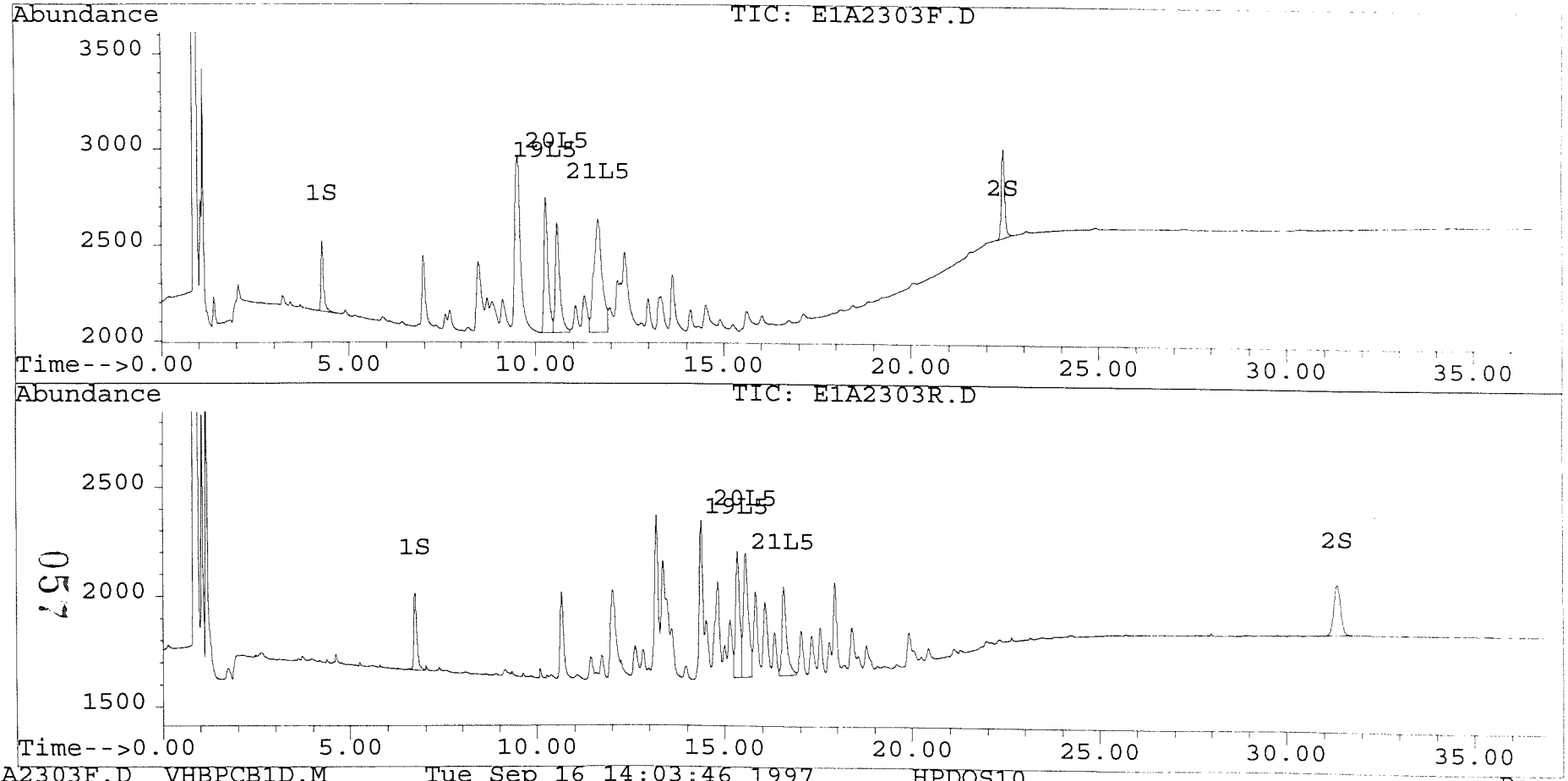
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	10.57	15.56	573	566	34.409	33.481
21) L5 Aroclor-1248 (3)	11.66	16.57	590	403	30.323	31.184
Total Aroclor-1248			1867	1544	99.092	98.606
Average Aroclor-1248					33.031	32.869
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6 Aroclor-1254 (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

056

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2303F.D\E1A2303R.D
Acq On : 16 Sep 97 06:51 AM Operator: JS
Sample : ar1248D1,ar1248D1,,ar1248.sub Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

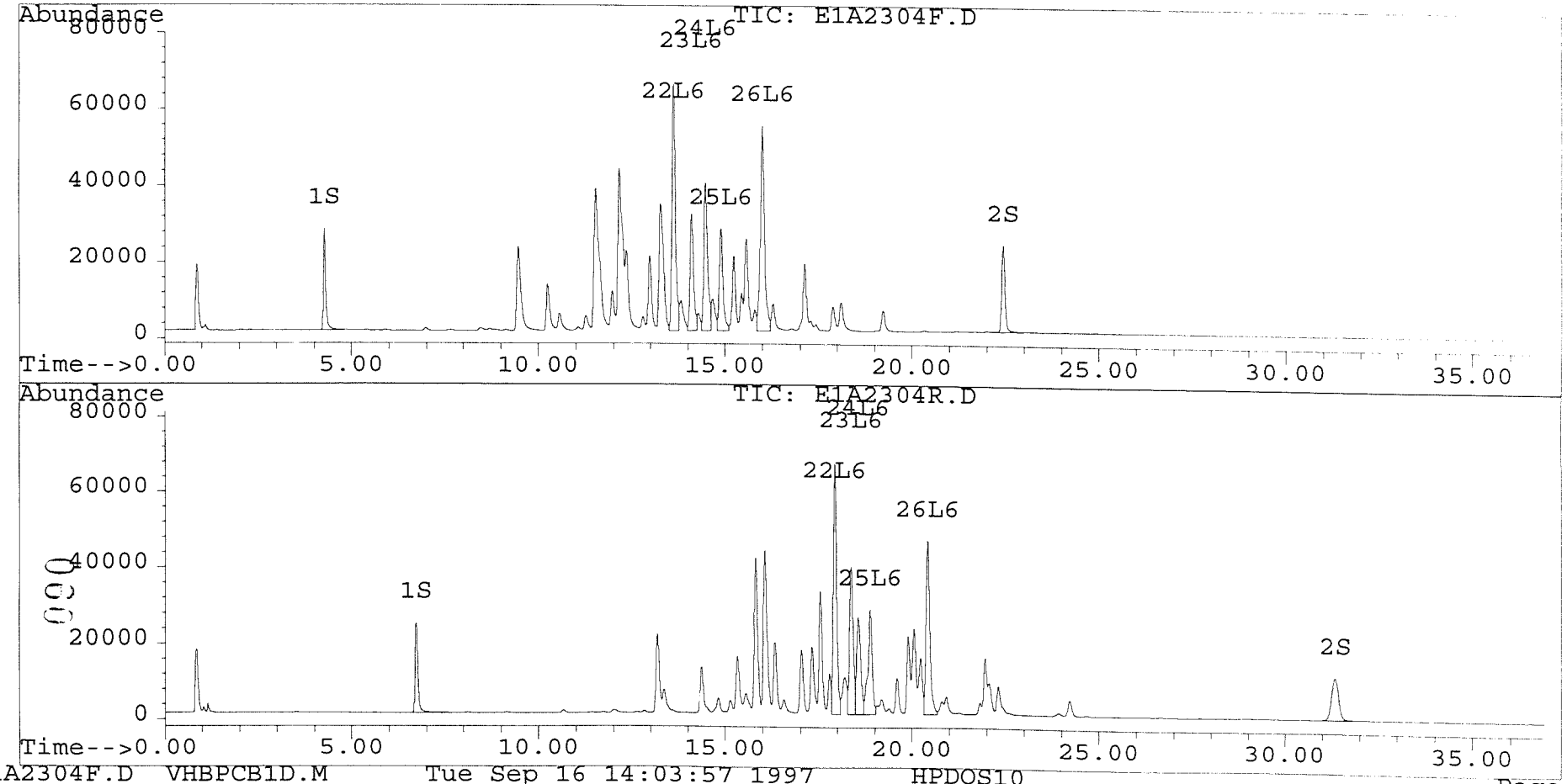


Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2304F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2304F.D\E1A2304R.D
Acq On : 16 Sep 97 07:31 AM Operator: JS
Sample : ar1254D5,ar1254D5,,ar1254.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:04 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2305F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2305F.D\E1A2305R.D
Acq On : 16 Sep 97 08:12 AM Operator: JS
Sample : ar1254D4,ar1254D4,,ar1254.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	9783	9248	41.365	41.570
					Recovery	=	103.41%	103.93%
2)	S	Decachlorobiphenyl	22.44	31.34	10432	5063	46.060	41.022
					Recovery	=	115.15%	102.56%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.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

061

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2305F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2305F.D\E1A2305R.D
Acq On : 16 Sep 97 08:12 AM Operator: JS
Sample : ar1254D4,ar1254D4,,ar1254.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

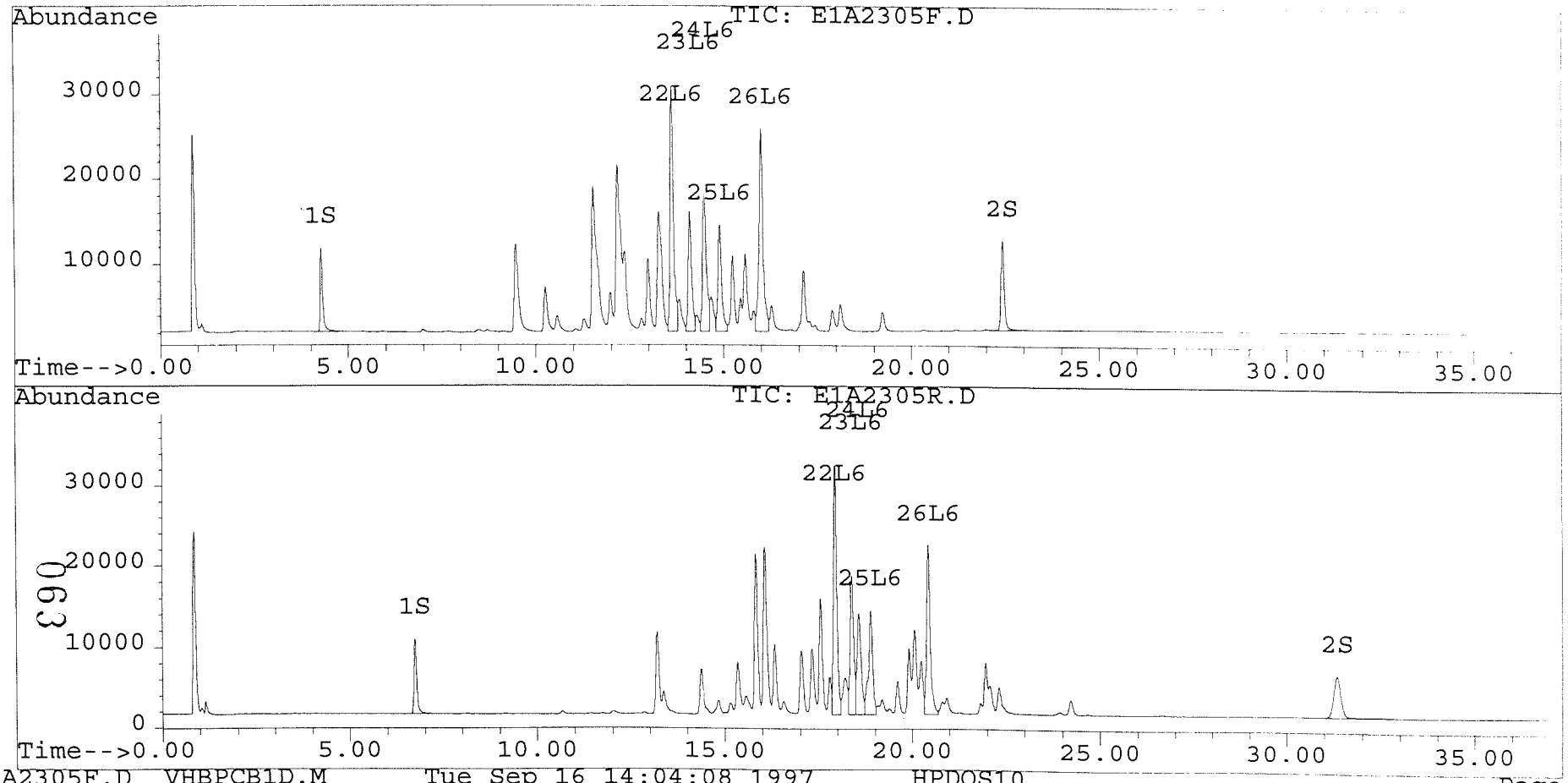
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.61	17.94	28841	30890	548.723	490.332
23) L6	Aroclor-1254 {2}	14.10	18.38	13988	17135	524.062	519.959
24) L6	Aroclor-1254 {3}	14.48	18.57	16098	12454	604.500	454.244
25) L6	Aroclor-1254 (4)	14.89	18.88	12482	12890	530.829	473.601
26) L6	Aroclor-1254 (5)	16.00	20.43	23837	20988	572.851	503.521
Total	Aroclor-1254			95246	94356	2780.966	2441.658
Average	Aroclor-1254					556.193	488.332
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.	N.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

062

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2305F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2305F.D\E1A2305R.D
Acq On : 16 Sep 97 08:12 AM Operator: JS
Sample : ar1254D4,ar1254D4,,ar1254.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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



063

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D\E1A2306R.D
Acq On : 16 Sep 97 08:52 AM Operator: JS
Sample : ar1254B3,ar1254D3,,ar1254.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4221	3858	17.846	17.340
				Recovery	=	44.62%	43.35%
2) S	Decachlorobiphenyl	22.44	31.33	4584	2203	20.238m	17.854
				Recovery	=	50.60%	44.64%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
6) L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	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

064

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D\E1A2306R.D
Acq On : 16 Sep 97 08:52 AM Operator: JS
Sample : ar1254B3,ar1254D3,,ar1254.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	13.62	17.94	12061	13462	229.473	213.691
23) L6	Aroclor-1254 {2}	14.10	18.38	6222	7060	233.118	214.223
24) L6	Aroclor-1254 {3}	14.49	18.56	6329	5737	237.666	209.253
25) L6	Aroclor-1254 (4)	14.89	18.88	5476	5785	232.864	212.568
26) L6	Aroclor-1254 (5)	16.00	20.43	9867	8990	237.118	215.676
Total	Aroclor-1254			39955	41034	1170.239	1065.411
Average	Aroclor-1254					234.048	213.082
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

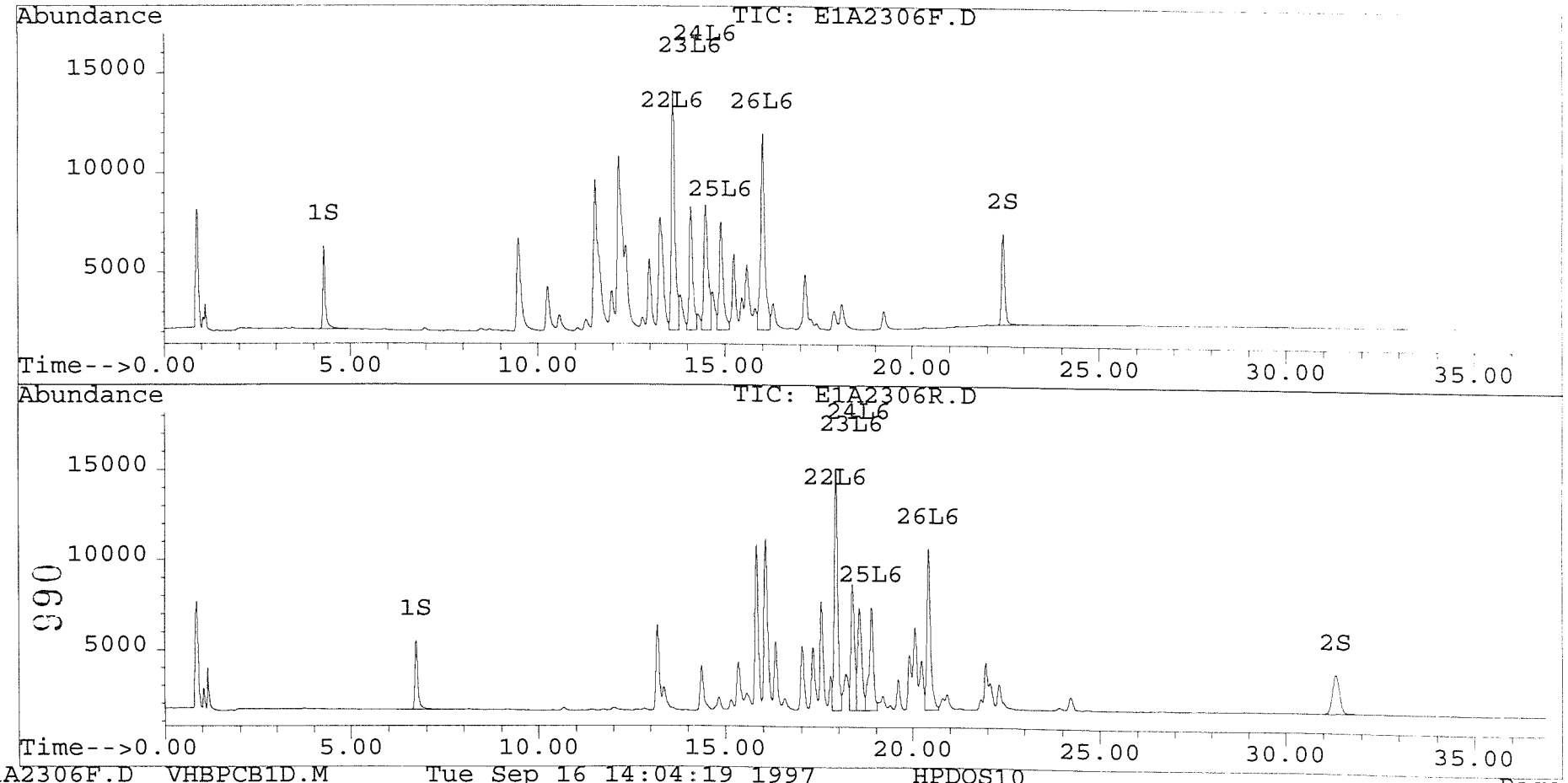
065

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2306F.D\E1A2306R.D
Acq On : 16 Sep 97 08:52 AM Operator: JS
Sample : ar1254B3,ar1254D3,,ar1254.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 12:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2307F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2307F.D\E1A2307R.D
Acq On : 16 Sep 97 09:33 AM Operator: JS
Sample : ar1254B2,ar1254D2,,ar1254.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2053	1916	8.681	8.610
				Recovery	=	21.70%	21.53%
2) S	Decachlorobiphenyl	22.44	31.34	2435	1186	10.752m	9.606
				Recovery	=	26.88%	24.02%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	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.d	N.D.d
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1221			0	0	N.D.	N.D.
	Average Aroclor-1221					0.000	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
12) L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.d	N.D.d
13) L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1232			0	0	N.D.	N.D.
	Average Aroclor-1232					0.000	0.000
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
15) L4	Aroclor-1242 (2)	0.00	0.00	0	0	N.D.d	N.D.d
16) L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.d	N.D.d
17) L4	Aroclor-1242 (4)	0.00	0.00	0	0	N.D.d	N.D.d
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.d	N.D.d
	Total Aroclor-1242			0	0	N.D.	N.D.
	Average Aroclor-1242					0.000	0.000
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2307F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2307F.D\E1A2307R.D
Acq On : 16 Sep 97 09:33 AM Operator: JS
Sample : ar1254B2,ar1254D2,,ar1254.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5 Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
22) L6 Aroclor-1254	13.62	17.94	6020	7044	114.544	111.811
23) L6 Aroclor-1254 (2)	14.10	18.38	3259	3597	122.102	109.151
24) L6 Aroclor-1254 (3)	14.49	18.56	3073	3148	115.412	114.817
25) L6 Aroclor-1254 (4)	14.90	18.88	2885	3100	122.708	113.906
26) L6 Aroclor-1254 (5)	16.01	20.43	4920	4652	118.248	111.605
Total Aroclor-1254			20159	21541	593.013	561.290
Average Aroclor-1254					118.603	112.258
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

063

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D\E3A0108R.D
Acq On : 16 Sep 97 01:28 PM Operator:
Sample : AR1232F5,AR1232F5,,ar1232.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	5.31	8.07	15138	7481	1186.822	1165.807
32) L3	Aroclor-1232 {2}	6.29	9.38	10774	5870	1162.415	1138.022
33) L3	Aroclor-1232 {3}	7.51	10.51	18547	7814	1294.117	1222.713
Total	Aroclor-1232			44458	21164	3643.354	3526.541
Average	Aroclor-1232					1214.451	1175.514
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

147

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D\E3A0108R.D
Acq On : 16 Sep 97 01:28 PM Operator:
Sample : AR1232F5,AR1232F5,,ar1232.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

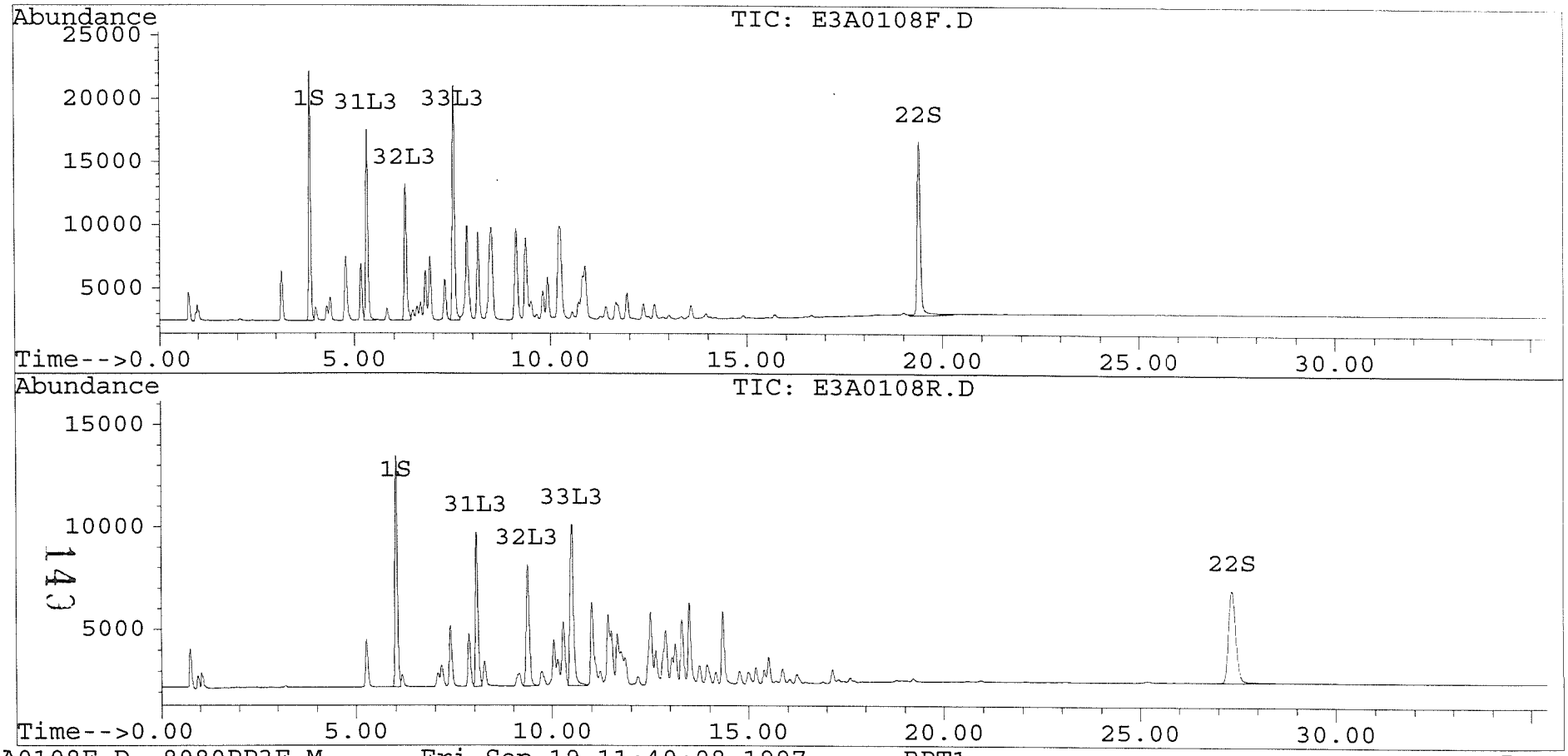
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D\E3A0108R.D
Acq On : 16 Sep 97 01:28 PM Operator:
Sample : AR1232F5,AR1232F5,,ar1232.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0109F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D\E3A0109R.D
Acq On : 16 Sep 97 02:06 PM Operator:
Sample : AR1232F4,AR1232F4,,ar1232.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:26 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	359072	259792	58.795	53.849
					Recovery	=	146.99%	134.62%
22)	S	Decachlorobiphenyl	19.40	27.36	429237	318299	57.987	56.637
					Recovery	=	144.97%	141.59%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0109F.D 8080PP3F.M Fri Sep 19 11:40:22 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D\E3A0109R.D
Acq On : 16 Sep 97 02:06 PM Operator:
Sample : AR1232F4,AR1232F4,,ar1232.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:26 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	5.31	8.06	8929	4438	700.010	691.657
32) L3	Aroclor-1232 {2}	6.29	9.38	6364	3514	686.625	681.267
33) L3	Aroclor-1232 {3}	7.51	10.51	10493	4495	732.174	703.472
Total	Aroclor-1232			25786	12447	2118.809	2076.396
Average	Aroclor-1232					706.270	692.132
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

151

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D\E3A0109R.D
Acq On : 16 Sep 97 02:06 PM Operator:
Sample : AR1232F4,AR1232F4,,ar1232.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:26 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

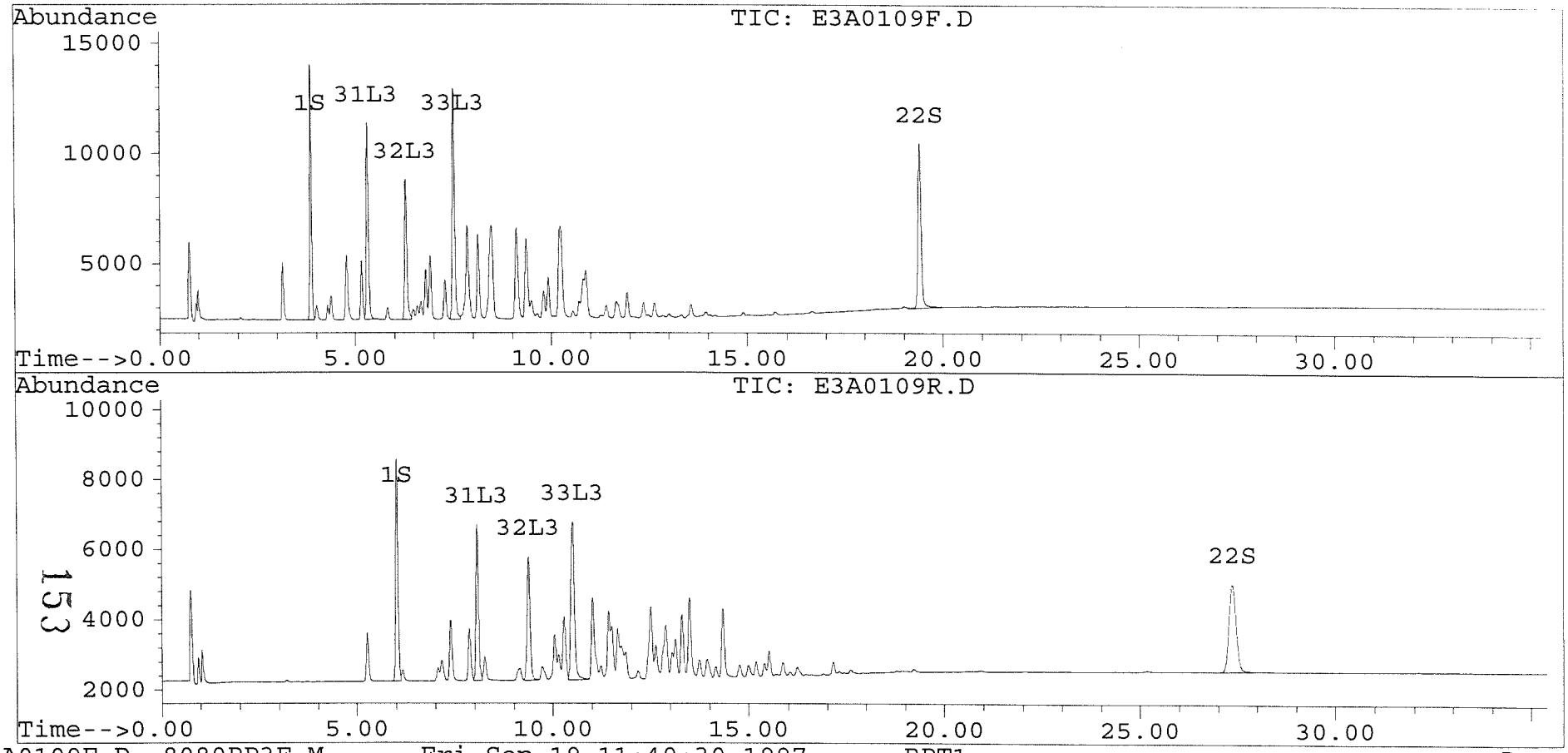
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

152

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0109F.D\E3A0109R.D
Acq On : 16 Sep 97 02:06 PM Operator:
Sample : AR1232F4,AR1232F4,,ar1232.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:26 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



153

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D\E3A0110R.D
Acq On : 16 Sep 97 02:45 PM Operator:
Sample : AR1232F3,AR1232F3,,ar1232.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:55 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	156129	117902	26.930	25.889
					Recovery	=	67.33%	64.72%
22)	S	Decachlorobiphenyl	19.40	27.37	192166	148254	27.756m	27.788
					Recovery	=	69.39%	69.47%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0110F.D 8080PP3F.M Fri Sep 19 11:40:44 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D\E3A0110R.D
Acq On : 16 Sep 97 02:45 PM Operator:
Sample : AR1232F3,AR1232F3,,ar1232.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:55 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	
30) 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	
31) L3	Aroclor-1232	5.31	8.06	4252	2139	108.560	64.996	#
32) L3	Aroclor-1232 {2}	6.29	9.38	3089	1719	88.841	56.525	#
33) L3	Aroclor-1232 {3}	7.51	10.51	4777	2130	73.576	50.807	#
Total	Aroclor-1232			12118	5988	270.977	172.328	
Average	Aroclor-1232					90.326	57.443	
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d	
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d	
38) 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	
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d	
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
41) 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	
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d	
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d	
46) 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	
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d	
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
Total	Aroclor-1260			0	0	N.D.	N.D.	
Average	Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0110F.D 8080PP3F.M Fri Sep 19 11:40:47 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D\E3A0110R.D
Acq On : 16 Sep 97 02:45 PM Operator:
Sample : AR1232F3,AR1232F3,,ar1232.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:55 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

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

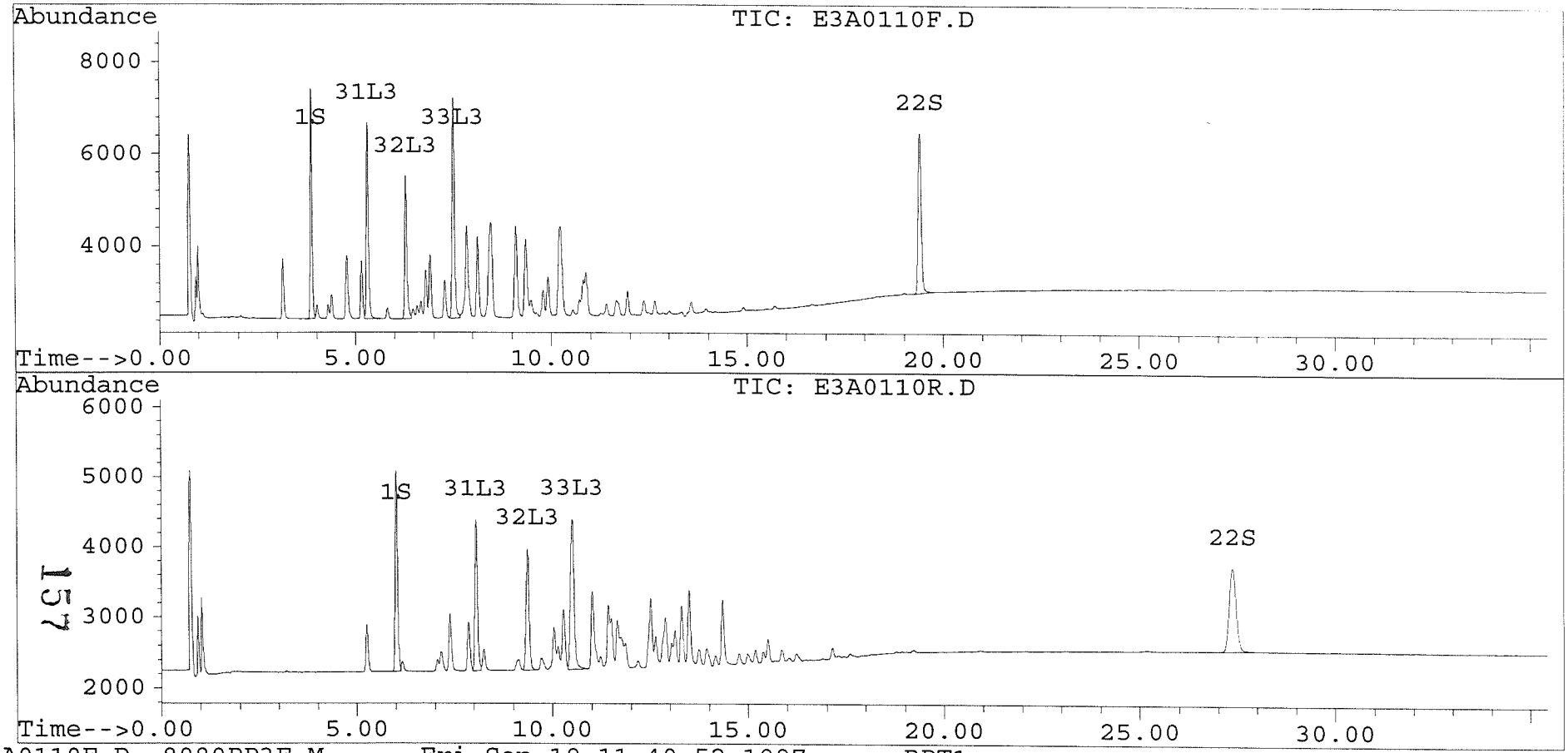
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0110F.D\E3A0110R.D
Acq On : 16 Sep 97 02:45 PM Operator:
Sample : AR1232F3,AR1232F3,,ar1232.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:55 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

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



137

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D\E3A0111R.D
Acq On : 16 Sep 97 03:23 PM Operator:
Sample : AR1232F2,AR1232F2,,ar1232.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:27 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	73125	56536	11.974	11.719
					Recovery	=	29.94%	29.30%
22)	S	Decachlorobiphenyl	19.40	27.36	89326	69641	12.067m	12.392
					Recovery	=	30.17%	30.98%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D\E3A0111R.D
Acq On : 16 Sep 97 03:23 PM Operator:
Sample : AR1232F2,AR1232F2,,ar1232.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:27 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	5.31	8.07	2086	1060	163.519	165.160
32) L3	Aroclor-1232 {2}	6.29	9.38	1550	859	167.207	166.570
33) L3	Aroclor-1232 {3}	7.51	10.51	2281	1057	159.130	165.463
Total	Aroclor-1232			5916	2976	489.855	497.194
Average	Aroclor-1232					163.285	165.731
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

159

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D\E3A0111R.D
Acq On : 16 Sep 97 03:23 PM Operator:
Sample : AR1232F2,AR1232F2,,ar1232.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:27 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

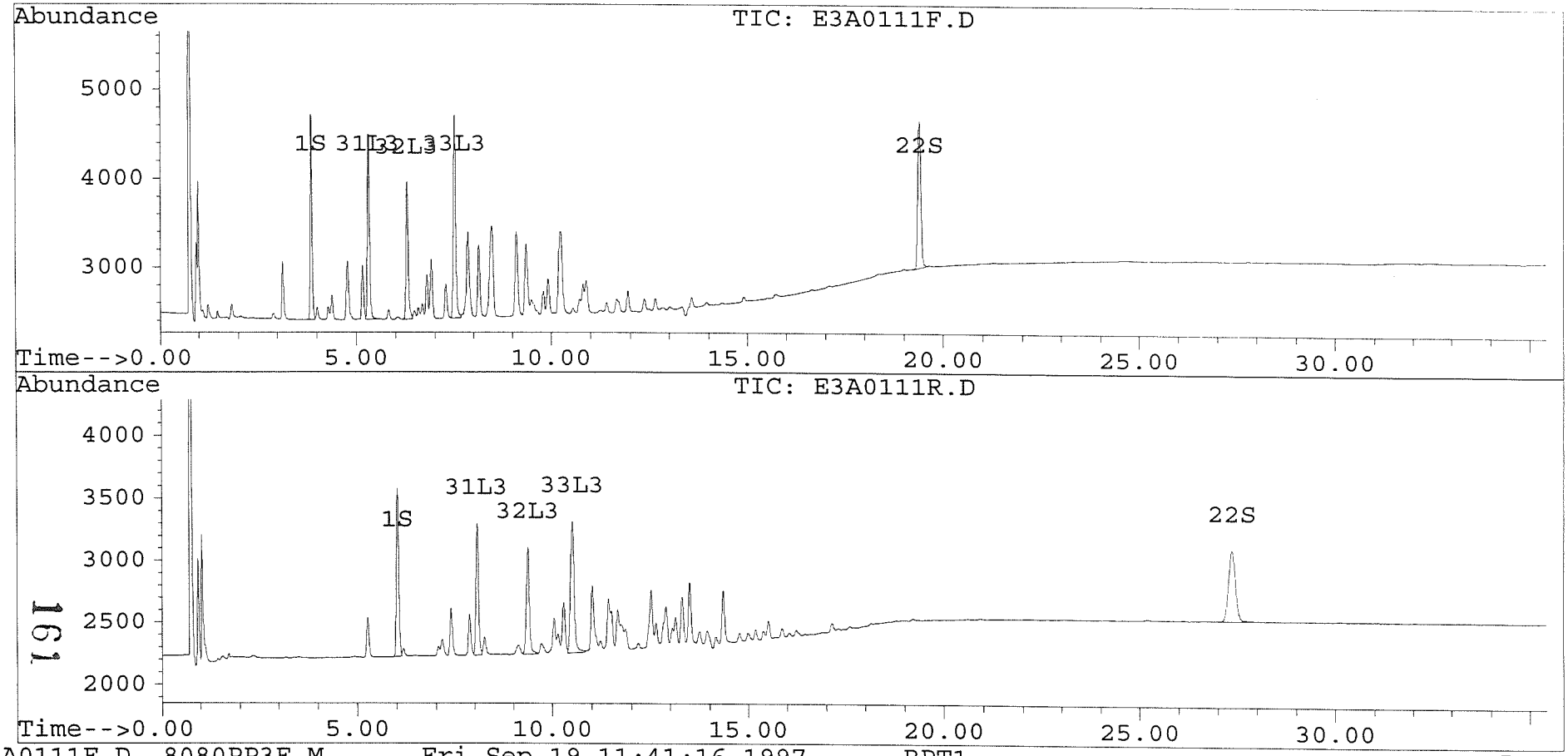
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0111F.D\E3A0111R.D
Acq On : 16 Sep 97 03:23 PM Operator:
Sample : AR1232F2,AR1232F2,,ar1232.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:27 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0112F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D\E3A0112R.D
Acq On : 16 Sep 97 04:01 PM Operator:
Sample : AR1232F1,AR1232F1,,ar1232.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	15893	11991	2.602	2.486
					Recovery	=	6.51%	6.22%
22)	S	Decachlorobiphenyl	19.40	27.37f	19531	15047	2.639m	2.677m
					Recovery	=	6.60%	6.69%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.	N.D.
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0112F.D 8080PP3F.M Fri Sep 19 11:41:32 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D\E3A0112R.D
Acq On : 16 Sep 97 04:01 PM Operator:
Sample : AR1232F1,AR1232F1,,ar1232.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	5.31	8.07	532	259	41.730	40.396
32) L3	Aroclor-1232 {2}	6.29	9.38	399	210	43.010	40.723
33) L3	Aroclor-1232 {3}	7.51	10.51	559	251	38.971	39.252
Total	Aroclor-1232			1489	720	123.712	120.371
Average	Aroclor-1232					41.237	40.124
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.	N.D.
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0112F.D 8080PP3F.M Fri Sep 19 11:41:35 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D\E3A0112R.D
Acq On : 16 Sep 97 04:01 PM Operator:
Sample : AR1232F1,AR1232F1,,ar1232.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

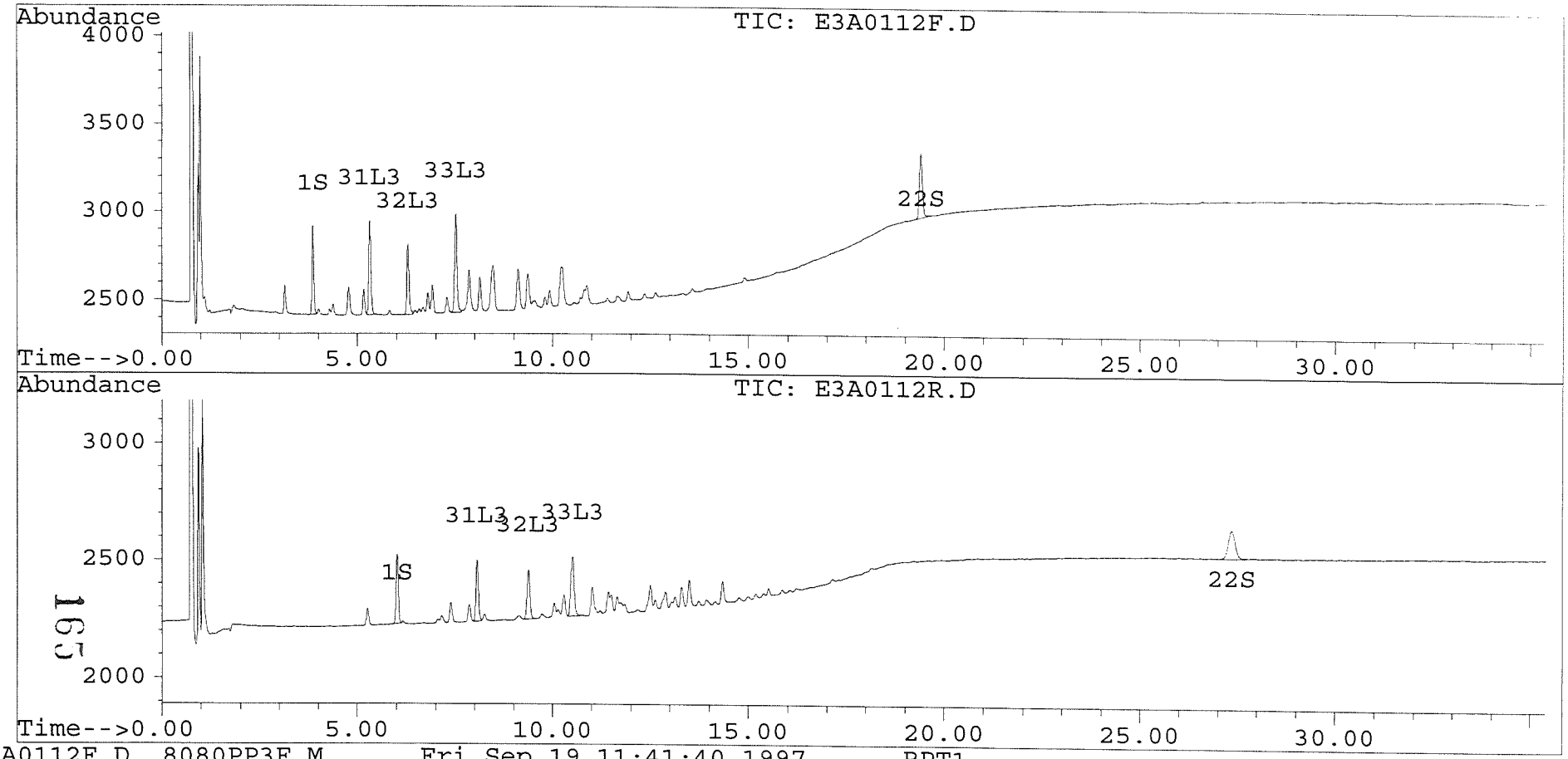
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0112F.D\E3A0112R.D
Acq On : 16 Sep 97 04:01 PM Operator:
Sample : AR1232F1,AR1232F1,,ar1232.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0113F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D\E3A0113R.D
Acq On : 16 Sep 97 04:40 PM Operator:
Sample : AR1242F5,AR1242F5,,ar1242.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	561446	394242	91.932	81.718
					Recovery	=	229.83%	204.30%
22)	S	Decachlorobiphenyl	19.39	27.36	676966	501036	91.454	89.153
					Recovery	=	228.64%	222.88%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0113F.D 8080PP3F.M Fri Sep 19 11:41:54 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D\E3A0113R.D
Acq On : 16 Sep 97 04:40 PM Operator:
Sample : AR1242F5,AR1242F5,,ar1242.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	6.29	9.37	18256	9611	742.424	724.195
35) L4	Aroclor-1242 {2}	7.51	10.29	32879	5010	821.560	743.652
36) L4	Aroclor-1242 {3}	7.85	10.51	13082	13367	797.181	773.888
37) L4	Aroclor 1242 {4}	8.13	11.02	12744	6766	853.674	762.635
38) L4	Aroclor 1242 {5}	8.46	11.43	13658	5943	741.890	799.110
Total	Aroclor-1242			90619	40697	3956.729	3803.481
Average	Aroclor-1242					791.346	760.696
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

167

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D\E3A0113R.D
Acq On : 16 Sep 97 04:40 PM Operator:
Sample : AR1242F5,AR1242F5,,ar1242.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

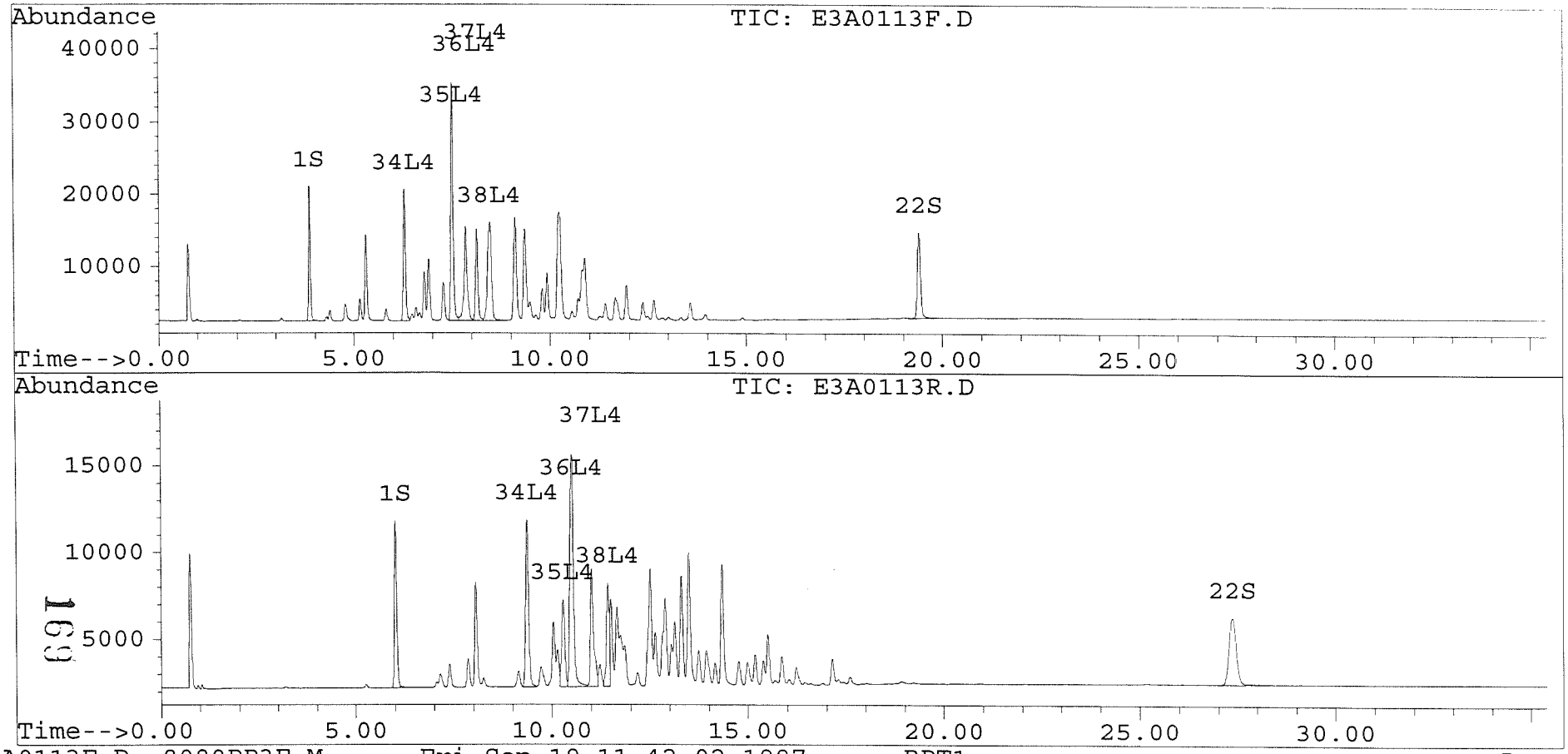
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0113F.D\E3A0113R.D
Acq On : 16 Sep 97 04:40 PM Operator:
Sample : AR1242F5,AR1242F5,,ar1242.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:28 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



169

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D\E3A0114R.D
Acq On : 16 Sep 97 05:18 PM Operator:
Sample : AR1242F4,AR1242F4,,ar1242.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:29 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	299927	216549	49.110	44.886
					Recovery	=	122.78%	112.22%
22)	S	Decachlorobiphenyl	19.39	27.36	376145	277093	50.815	49.305
					Recovery	=	127.04%	123.26%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D\E3A0114R.D
Acq On : 16 Sep 97 05:18 PM Operator:
Sample : AR1242F4,AR1242F4,,ar1242.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:29 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	6.28	9.38	10309	5455	419.261	411.017
35) L4	Aroclor-1242 {2}	7.50	10.29	17977	2853	449.205	423.463
36) L4	Aroclor-1242 {3}	7.85	10.51	7185	7458	437.815	431.776
37) L4	Aroclor 1242 {4}	8.13	11.02	6778	3786	454.034	426.741
38) L4	Aroclor 1242 {5}	8.46	11.43	7683	3261	417.346	438.500
Total	Aroclor-1242			49933	22813	2177.661	2131.497
Average	Aroclor-1242					435.532	426.299
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

171

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D\E3A0114R.D
Acq On : 16 Sep 97 05:18 PM Operator:
Sample : AR1242F4,AR1242F4,,ar1242.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:29 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

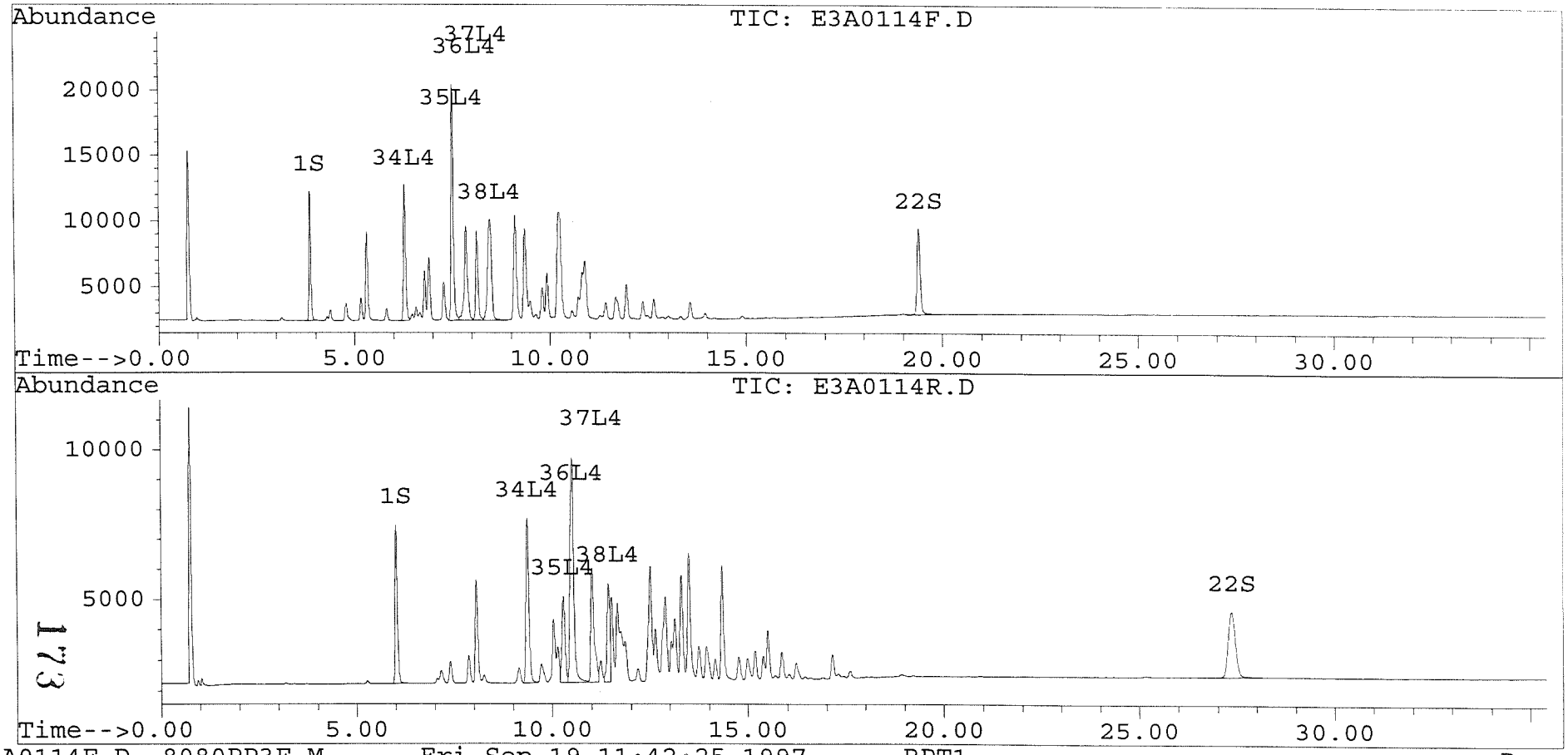
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

172

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0114F.D\E3A0114R.D
Acq On : 16 Sep 97 05:18 PM Operator:
Sample : AR1242F4,AR1242F4,,ar1242.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:29 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0115F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D\E3A0115R.D
Acq On : 16 Sep 97 05:56 PM Operator:
Sample : AR1242F3,AR1242F3,,ar1242.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:58 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	128679	97971	22.195	21.512
					Recovery	=	55.49%	53.78%
22)	S	Decachlorobiphenyl	19.40	27.37	161807	124541	23.371m	23.343
					Recovery	=	58.43%	58.36%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.	N.D.
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D\E3A0115R.D
Acq On : 16 Sep 97 05:56 PM Operator:
Sample : AR1242F3,AR1242F3,,ar1242.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:58 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
0) 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
1) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
4) L4 Aroclor-1242	6.29	9.38	4918	2654	32.738	27.247
5) L4 Aroclor-1242 {2}	7.51	10.29	8004	1347	132.010	27.108 #
36) L4 Aroclor-1242 {3}	7.85	10.51	3282	3455	61.356	78.414 #
7) L4 Aroclor 1242 {4}	8.13	11.02	2986	1774	NoCal	100815.365
8) L4 Aroclor 1242 {5}	8.46	11.43	3682	1487	NoCal	109368.810
Total Aroclor-1242			16204	10718	226.103	210316.943
Average Aroclor-1242					75.368	42063.389
9) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
1) 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
2) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
5) L6 Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
6) 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
47) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
8) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
9) 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

175

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D\E3A0115R.D
Acq On : 16 Sep 97 05:56 PM Operator:
Sample : AR1242F3,AR1242F3,,ar1242.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:58 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

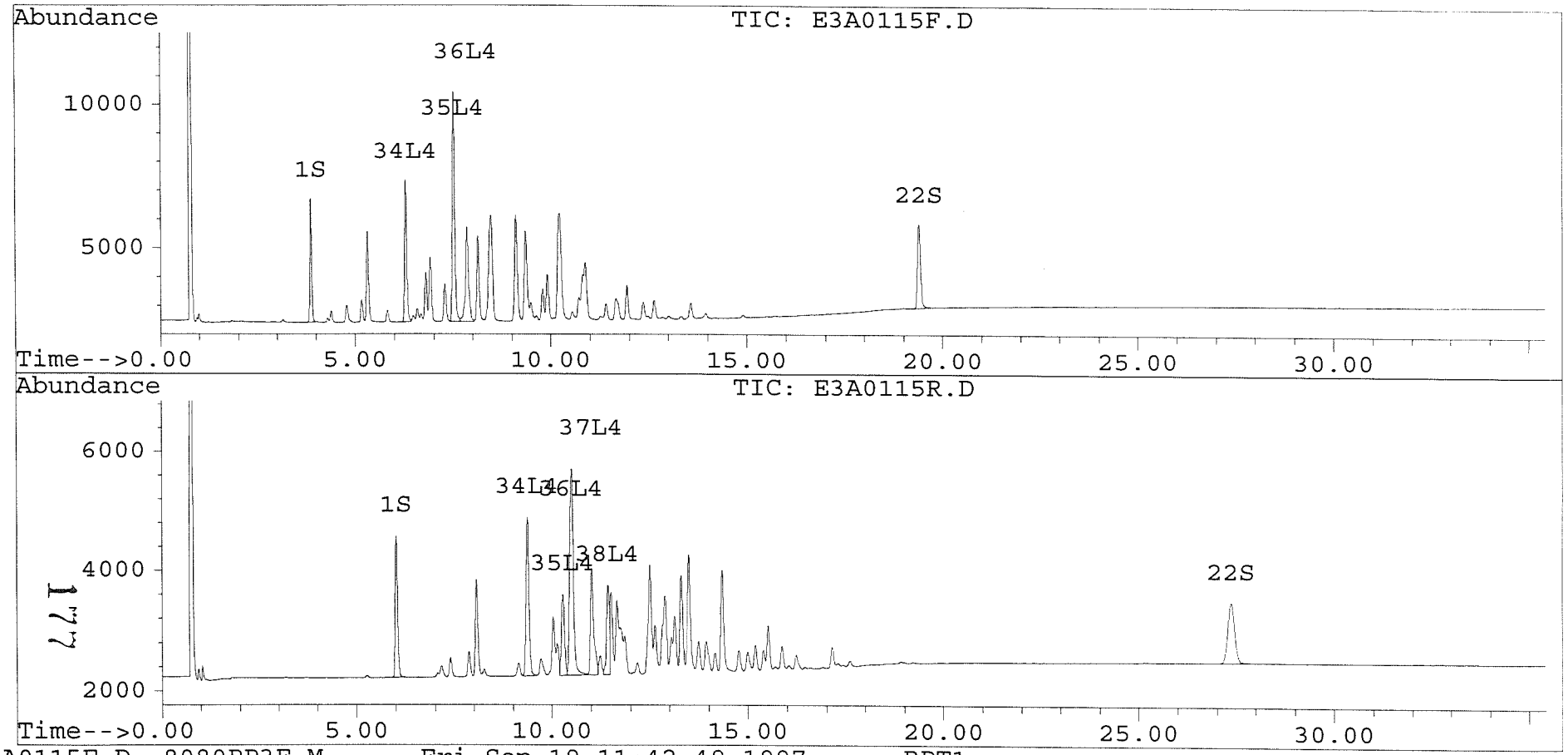
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0115F.D\E3A0115R.D
Acq On : 16 Sep 97 05:56 PM Operator:
Sample : AR1242F3,AR1242F3,,ar1242.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:58 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970916\E3A0116F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D\E3A0116R.D
Acq On : 16 Sep 97 06:34 PM Operator:
Sample : AR1242F2,AR1242F2,,ar1242.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	68824	52922	11.269	10.970
					Recovery	=	28.17%	27.43%
22)	S	Decachlorobiphenyl	19.39	27.36	88438	66825	11.948m	11.891
					Recovery	=	29.87%	29.73%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0116F.D 8080PP3F.M Fri Sep 19 11:43:03 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D\E3A0116R.D
Acq On : 16 Sep 97 06:34 PM Operator:
Sample : AR1242F2,AR1242F2,,ar1242.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	6.29	9.38	2950	1593	119.973	120.050
35) L4	Aroclor-1242 {2}	7.51	10.29	4623	791	115.525	117.471
36) L4	Aroclor-1242 {3}	7.85	10.51	1934	2031	117.835	117.592
37) L4	Aroclor 1242 {4}	8.13	11.02	1724	1040	115.491	117.255
38) L4	Aroclor 1242 {5}	8.46	11.44	2213	862	120.228	115.959
Total	Aroclor-1242			13445	6318	589.052	588.328
Average	Aroclor-1242					117.810	117.666
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

179

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D\E3A0116R.D
Acq On : 16 Sep 97 06:34 PM Operator:
Sample : AR1242F2,AR1242F2,,ar1242.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

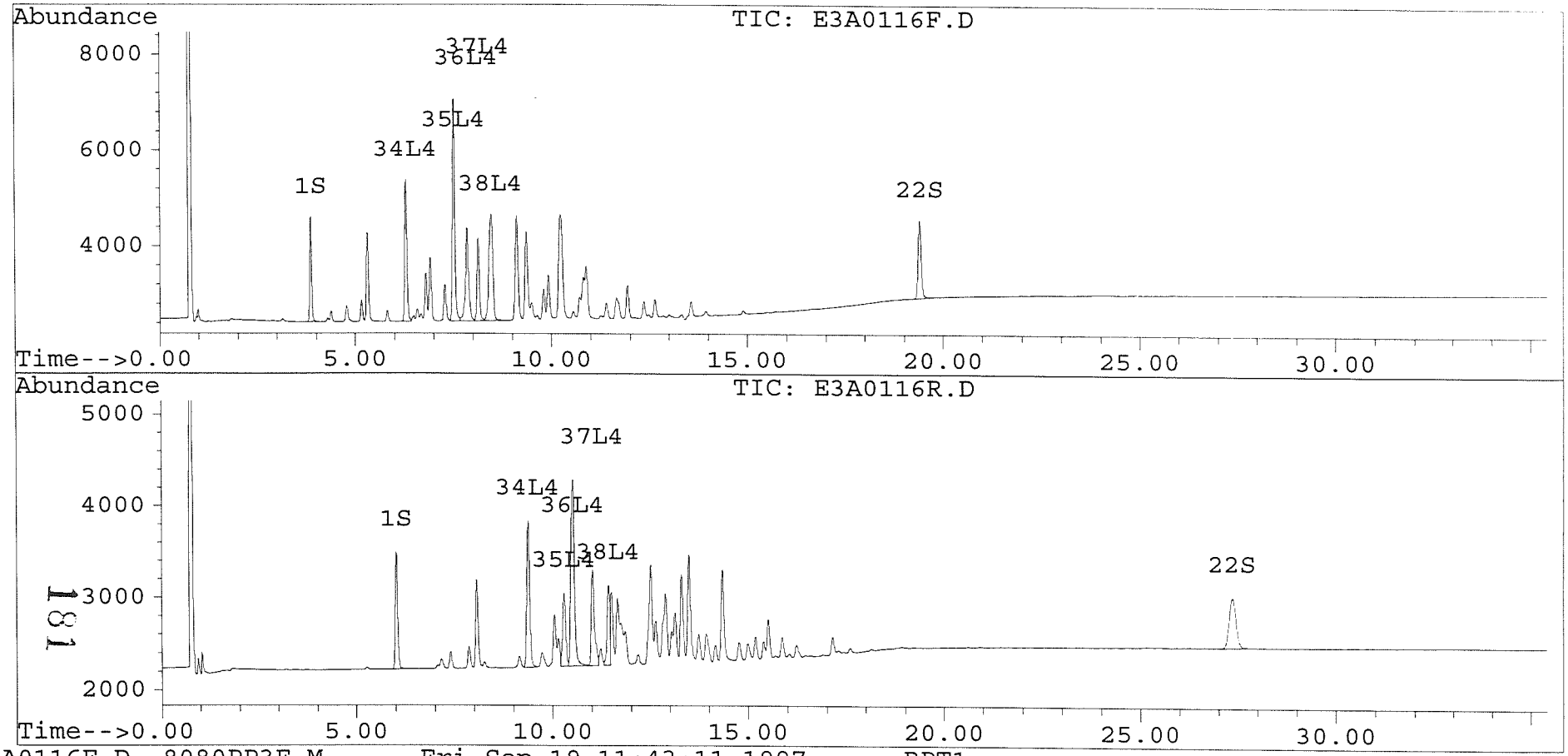
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0116F.D\E3A0116R.D
Acq On : 16 Sep 97 06:34 PM Operator:
Sample : AR1242F2,AR1242F2,,ar1242.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0117F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D\E3A0117R.D
Acq On : 16 Sep 97 07:12 PM Operator:
Sample : AR1242F1,AR1242F1,,ar1242.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	15900	12054	2.603	2.498
					Recovery	=	6.51%	6.25%
22)	S	Decachlorobiphenyl	19.40	27.36	19946	14382	2.695m	2.559
					Recovery	=	6.74%	6.40%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.	N.D.
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0117F.D 8080PP3F.M Fri Sep 19 11:43:25 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D\E3A0117R.D
Acq On : 16 Sep 97 07:12 PM Operator:
Sample : AR1242F1,AR1242F1,,ar1242.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	6.29	9.38	649	338	26.400	25.497
35) L4	Aroclor-1242 {2}	7.51	10.29	931	155	23.268	23.035
36) L4	Aroclor-1242 {3}	7.85	10.51	391	420	23.844	24.327
37) L4	Aroclor 1242 {4}	8.13	11.02	333	202	22.287	22.734
38) L4	Aroclor 1242 {5}	8.46	11.44	475	161	25.796	21.665
Total	Aroclor-1242			2779	1277	121.595	117.259
Average	Aroclor-1242					24.319	23.452
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

183

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D\E3A0117R.D
Acq On : 16 Sep 97 07:12 PM Operator:
Sample : AR1242F1,AR1242F1,,ar1242.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

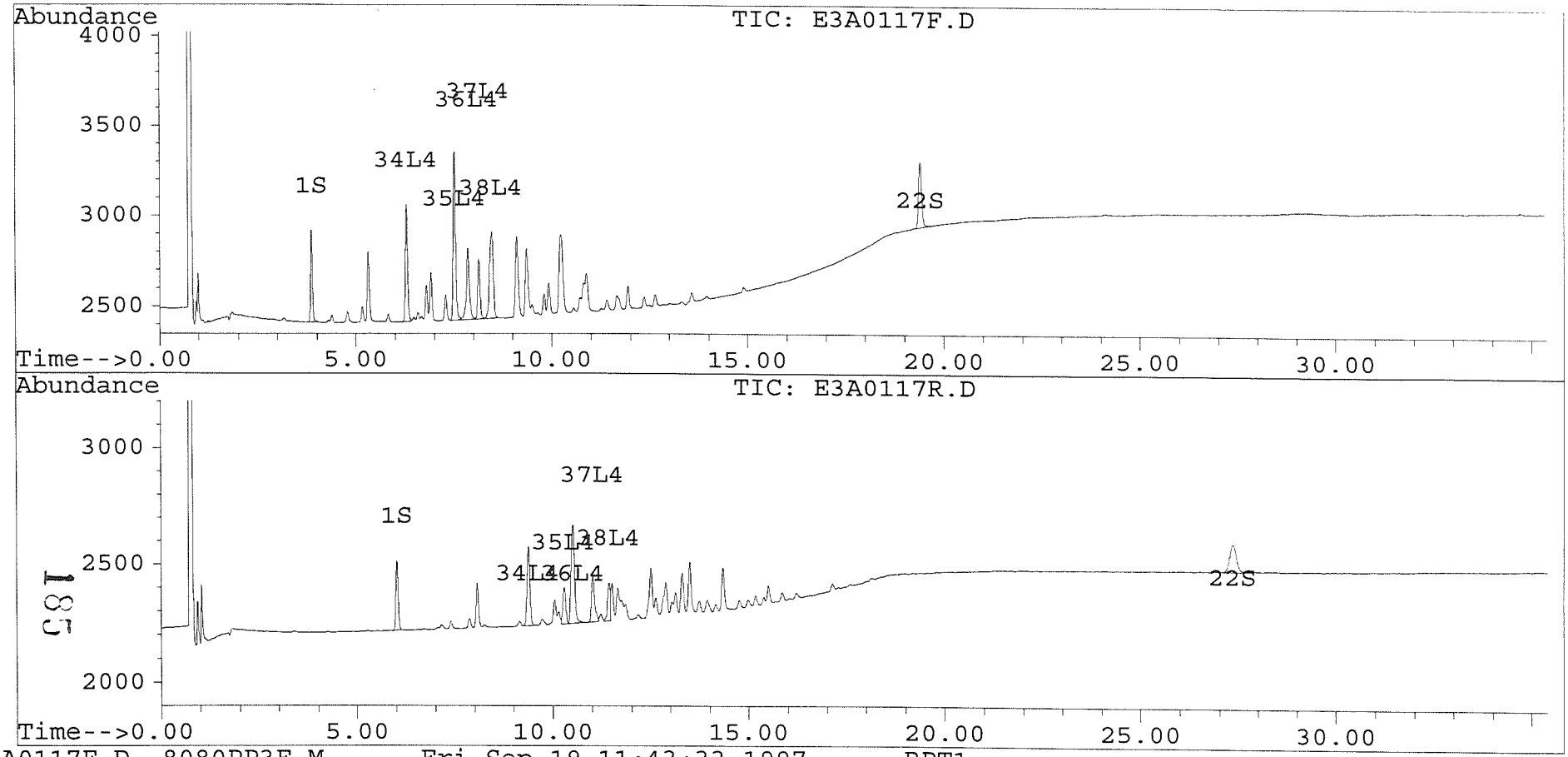
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0117F.D\E3A0117R.D
Acq On : 16 Sep 97 07:12 PM Operator:
Sample : AR1242F1,AR1242F1,,ar1242.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:30 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0118F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D\E3A0118R.D
Acq On : 16 Sep 97 07:50 PM Operator:
Sample : AR1248F5,AR1248F5,,ar1248.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:31 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	536902	373916	87.913	77.505
					Recovery	=	219.78%	193.76%
22)	S	Decachlorobiphenyl	19.39	27.35	631339	464706	85.290	82.689
					Recovery	=	213.23%	206.72%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D\E3A0118R.D
Acq On : 16 Sep 97 07:50 PM Operator:
Sample : AR1248F5,AR1248F5,,ar1248.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:31 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
0) 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
1) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
4) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
8) 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
39) L5	Aroclor-1248	9.10	12.89	20224	7339	1234.831	1212.022
40) L5	Aroclor-1248 {2}	9.35	13.30	18337	9710	1268.174	1221.402
1) L5	Aroclor-1248 {3}	10.21	13.49	24029	10690	1270.874	1229.090
Total	Aroclor-1248			62590	27739	3773.879	3662.514
Average	Aroclor-1248					1257.960	1220.838
2) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
5) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
9) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0118F.D 8080PP3F.M Fri Sep 19 11:43:50 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D\E3A0118R.D
Acq On : 16 Sep 97 07:50 PM Operator:
Sample : AR1248F5,AR1248F5,,ar1248.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:31 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

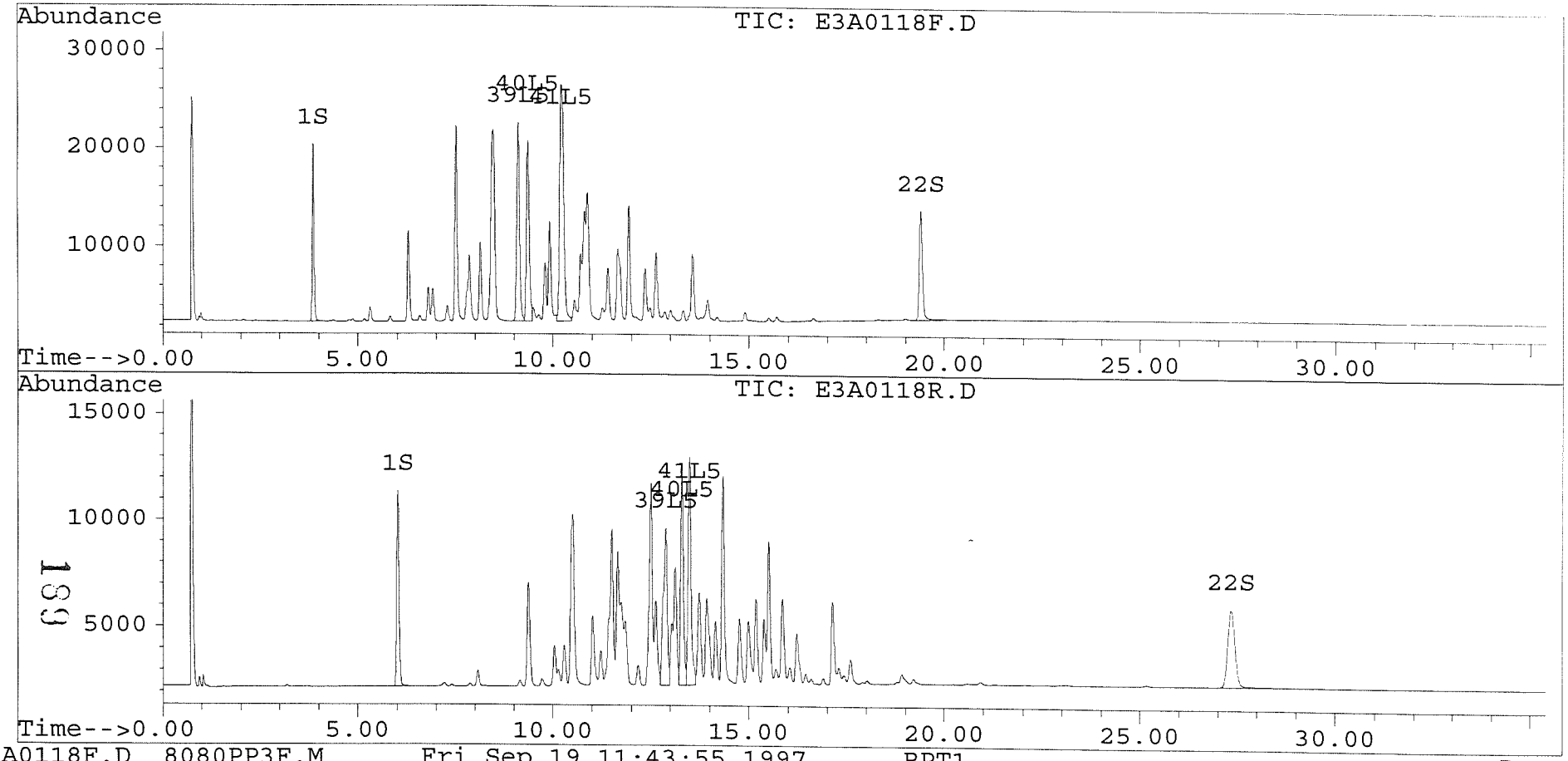
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

188

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0118F.D\E3A0118R.D
Acq On : 16 Sep 97 07:50 PM Operator:
Sample : AR1248F5,AR1248F5,,ar1248.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:31 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0119F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D\E3A0119R.D
Acq On : 16 Sep 97 08:28 PM Operator:
Sample : AR1248F4,AR1248F4,,ar1248.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	282771	202878	46.301	42.052
					Recovery	=	115.75%	105.13%
22)	S	Decachlorobiphenyl	19.39	27.35	339252	250038	45.831	44.491
					Recovery	=	114.58%	111.23%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D\E3A0119R.D
Acq On : 16 Sep 97 08:28 PM Operator:
Sample : AR1248F4,AR1248F4,,ar1248.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	9.10	12.89	11144	4082	680.428	674.127
40) L5	Aroclor-1248 {2}	9.35	13.30	9948	5301	687.980	666.733
41) L5	Aroclor-1248 {3}	10.21	13.49	12829	5923	678.531	680.997
Total	Aroclor-1248			33921	15305	2046.939	2021.857
Average	Aroclor-1248					682.313	673.952
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D\E3A0119R.D
Acq On : 16 Sep 97 08:28 PM Operator:
Sample : AR1248F4,AR1248F4,,ar1248.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

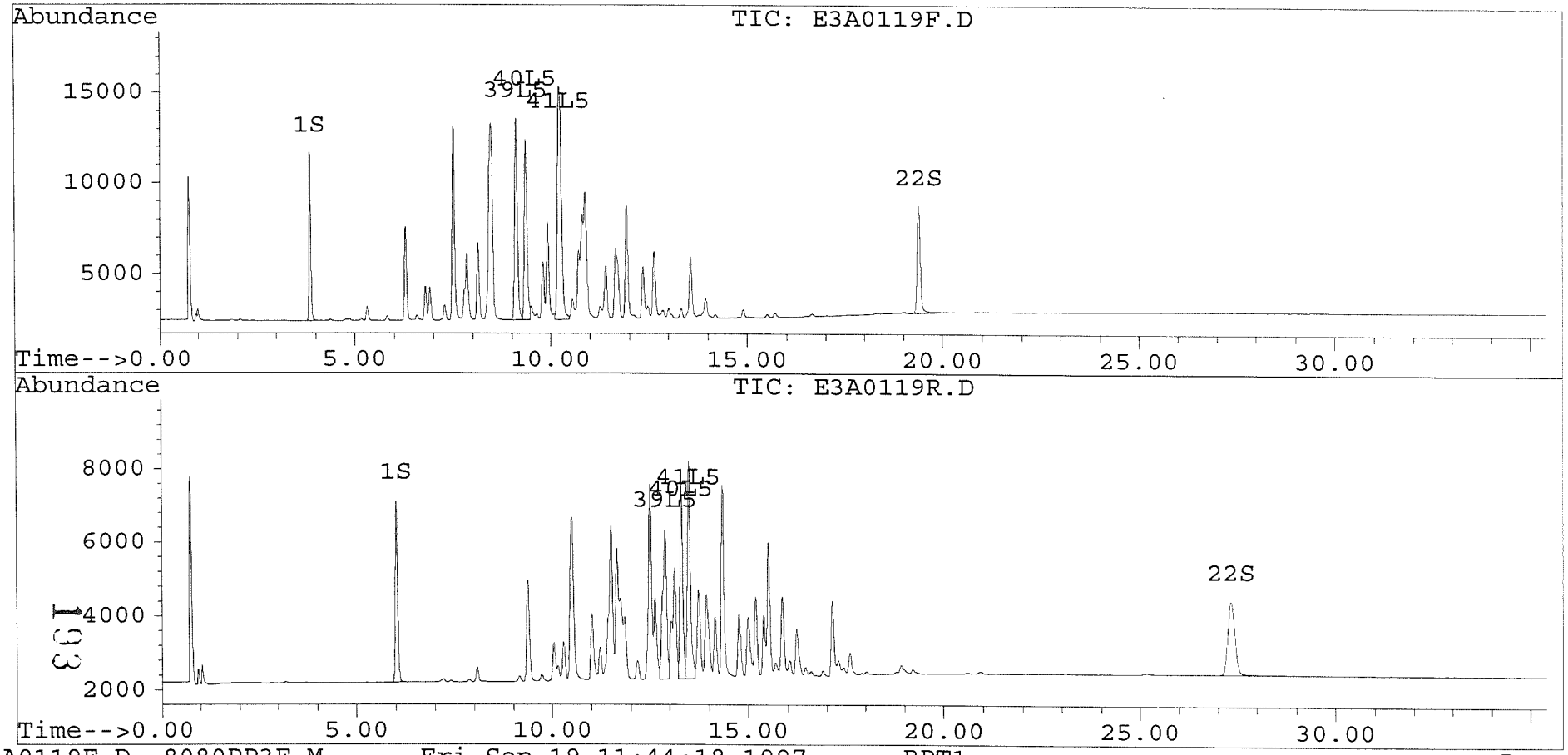
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

192

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0119F.D\E3A0119R.D
Acq On : 16 Sep 97 08:28 PM Operator:
Sample : AR1248F4,AR1248F4,,ar1248.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0120F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D\E3A0120R.D
Acq On : 16 Sep 97 09:07 PM Operator:
Sample : AR1248F3,AR1248F3,,ar1248.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:59 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	128785	95738	22.213	21.022
					Recovery	=	55.53%	52.55%
22)	S	Decachlorobiphenyl	19.40	27.36	159422	121148	23.026m	22.707
					Recovery	=	57.57%	56.77%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

194

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D\E3A0120R.D
Acq On : 16 Sep 97 09:07 PM Operator:
Sample : AR1248F3,AR1248F3,,ar1248.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:59 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	
30) 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	
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d	
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
33) 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	
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d	
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d	
38) 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	
39) L5	Aroclor-1248	9.10	12.89	5459	2018	100.966	52.069	#
40) L5	Aroclor-1248 {2}	9.35	13.31	4820	2650	82.543	59.173	#
41) L5	Aroclor-1248 {3}	10.21	13.50	6302	2899	84.423	56.151	#
Total	Aroclor-1248			16582	7567	267.932	167.394	
Average	Aroclor-1248					89.311	55.798	
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d	
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d	
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d	
46) 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	
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d	
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d	
49) 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	

195

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D\E3A0120R.D
Acq On : 16 Sep 97 09:07 PM Operator:
Sample : AR1248F3,AR1248F3,,ar1248.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:59 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

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

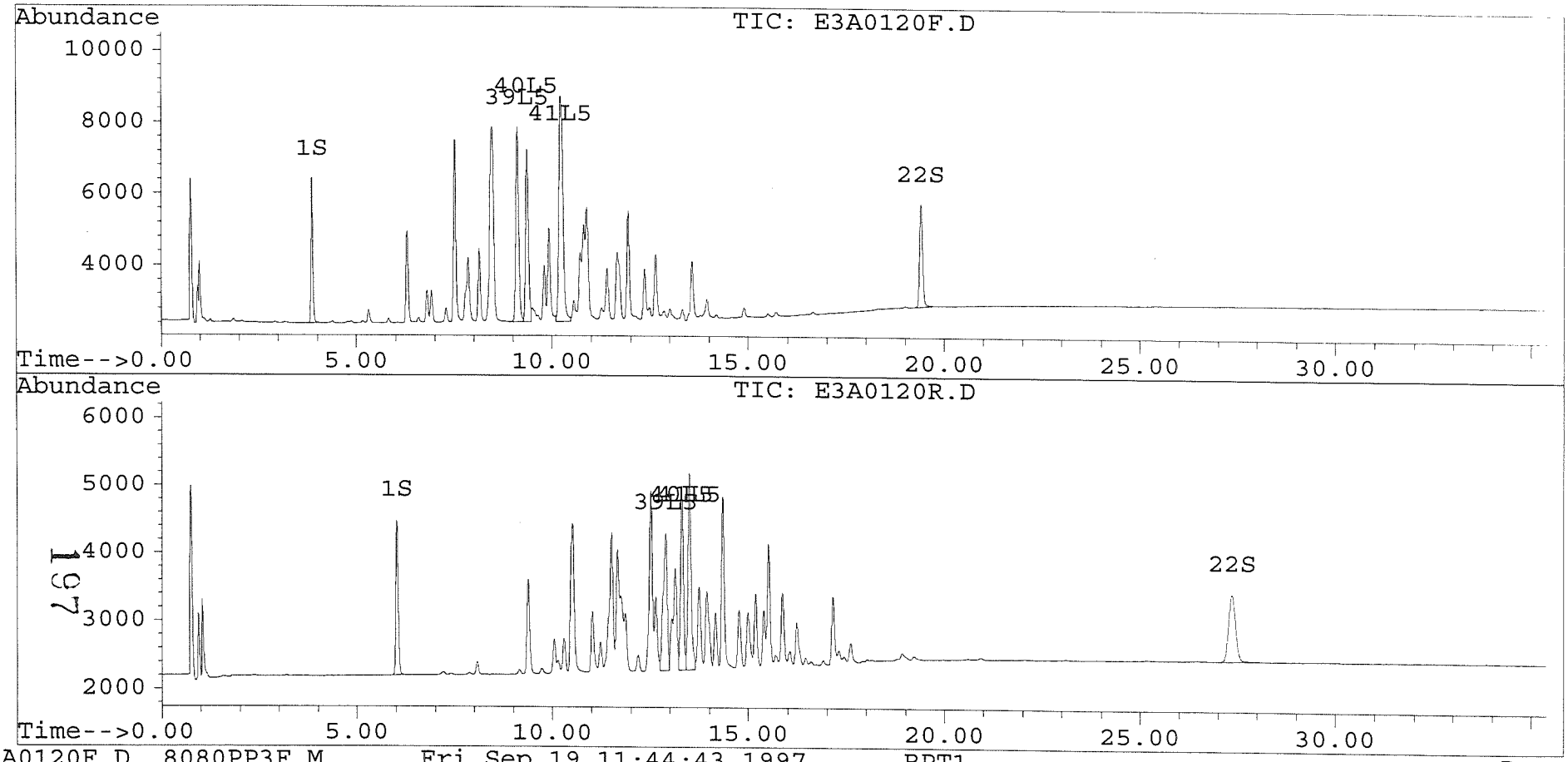
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

196

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0120F.D\E3A0120R.D
Acq On : 16 Sep 97 09:07 PM Operator:
Sample : AR1248F3,AR1248F3,,ar1248.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 9:59 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970916\E3A0121F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D\E3A0121R.D
Acq On : 16 Sep 97 09:44 PM Operator:
Sample : AR1248F2,AR1248F2,,ar1248.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	61893	47277	10.134	9.799
					Recovery	=	25.34%	24.50%
22)	S	Decachlorobiphenyl	19.40	27.37f	78232	59775	10.569m	10.636
					Recovery	=	26.42%	26.59%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0121F.D 8080PP3F.M Fri Sep 19 11:44:58 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D\E3A0121R.D
Acq On : 16 Sep 97 09:44 PM Operator:
Sample : AR1248F2,AR1248F2,,ar1248.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	9.10	12.89	2860	1043	174.628	172.206
40) L5	Aroclor-1248 {2}	9.35	13.30	2470	1375	170.848	172.921
41) L5	Aroclor-1248 {3}	10.20	13.49	3219	1504	170.254	172.901
Total	Aroclor-1248			8549	3921	515.730	518.028
Average	Aroclor-1248					171.910	172.676
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

199

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D\E3A0121R.D
Acq On : 16 Sep 97 09:44 PM Operator:
Sample : AR1248F2,AR1248F2,,ar1248.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

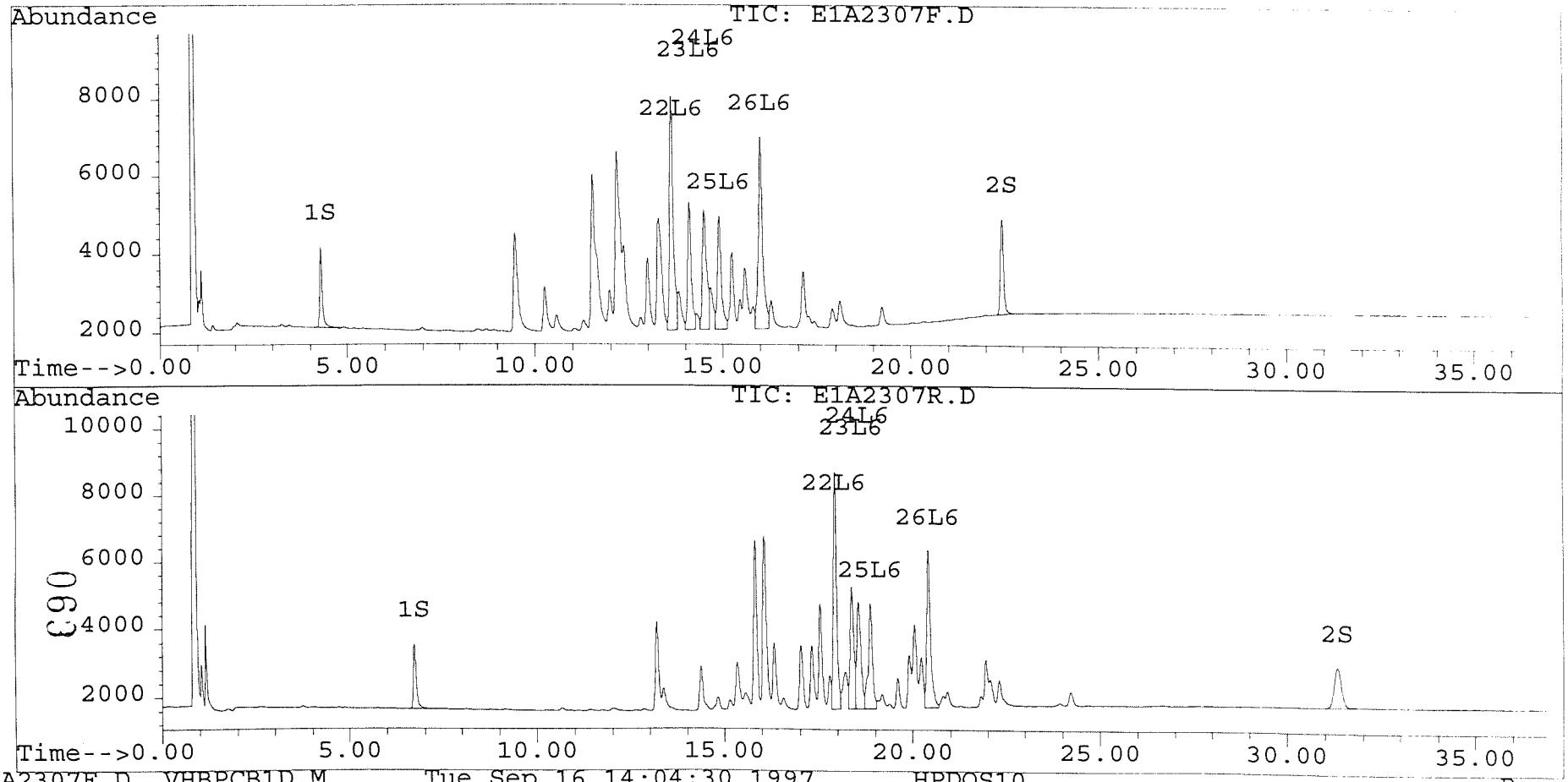
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

200

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2307F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2307F.D\E1A2307R.D
Acq On : 16 Sep 97 09:33 AM Operator: JS
Sample : ar1254B2,ar1254D2,,ar1254.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 12:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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



Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2309F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2309F.D\E1A2309R.D
Acq On : 16 Sep 97 10:54 AM Operator: JS
Sample : ar1660D5,ar1660D5,,ar1660.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

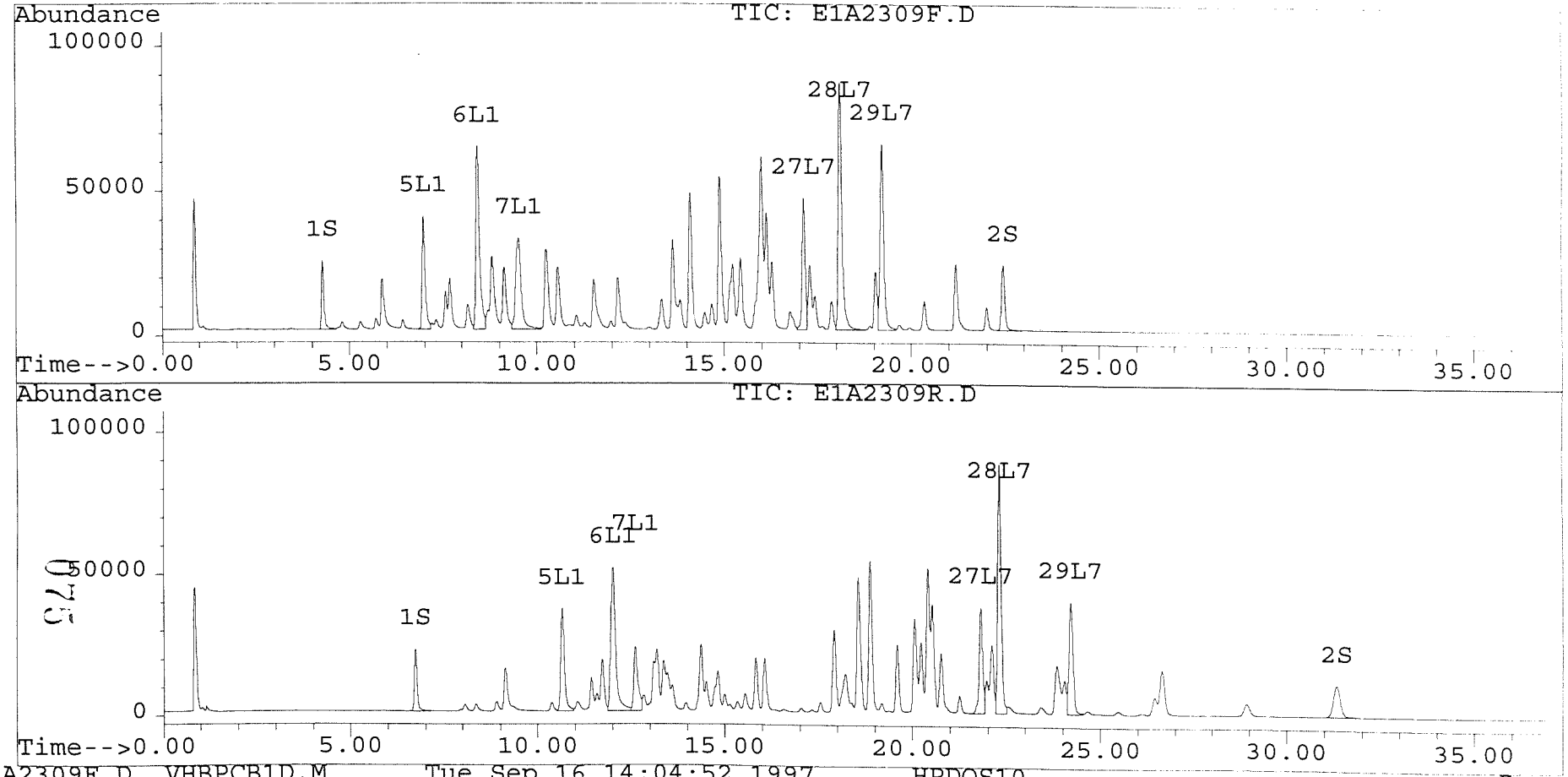
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	17.12	21.82	45370	37140	1896.913	1653.367
28) L7	Aroclor-1260 {2}	18.09	22.31	85143	87795	1962.800	1603.915
29) L7	Aroclor-1260 {3}	19.21	24.21	64176	39398	1965.963	1634.989
Total	Aroclor-1260			194690	164333	5825.676	4892.270
Average	Aroclor-1260					1941.892	1630.757

074

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2309F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2309F.D\E1A2309R.D
Acq On : 16 Sep 97 10:54 AM Operator: JS
Sample : ar1660D5,ar1660D5,,ar1660.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 12:09 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2310F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2310F.D\E1A2310R.D
Acq On : 16 Sep 97 11:35 AM Operator: JS
Sample : ar1660D4,ar1660D4,,ar1660.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 13:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	12128	11035	51.282	49.601
					Recovery	=	128.21%	124.00%
2)	S	Decachlorobiphenyl	22.44	31.33	11874	5792	52.423m	46.928
					Recovery	=	131.06%	117.32%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5)	L1	Aroclor-1016	6.97	10.65	22261	20836	814.800	760.235
6)	L1	Aroclor-1016 (2)	8.42	12.01	32246	26392	850.932	888.307
7)	L1	Aroclor-1016 (3)	9.51	12.60	17618	12009	813.515	778.493
		Total Aroclor-1016			72125	59236	2479.247	2427.035
		Average Aroclor-1016					826.416	809.012
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

076

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2310F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2310F.D\E1A2310R.D
Acq On : 16 Sep 97 11:35 AM Operator: JS
Sample : ar1660D4,ar1660D4,,ar1660.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 13:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	17.12	21.82	24026	20192	1004.504	898.898
28) L7	Aroclor-1260 (2)	18.09	22.31	45025	48005	1037.947	876.997
29) L7	Aroclor-1260 (3)	19.21	24.21	33450	20608	1024.709	855.200
Total	Aroclor-1260			102500	88805	3067.160	2631.096
Average	Aroclor-1260					1022.387	877.032

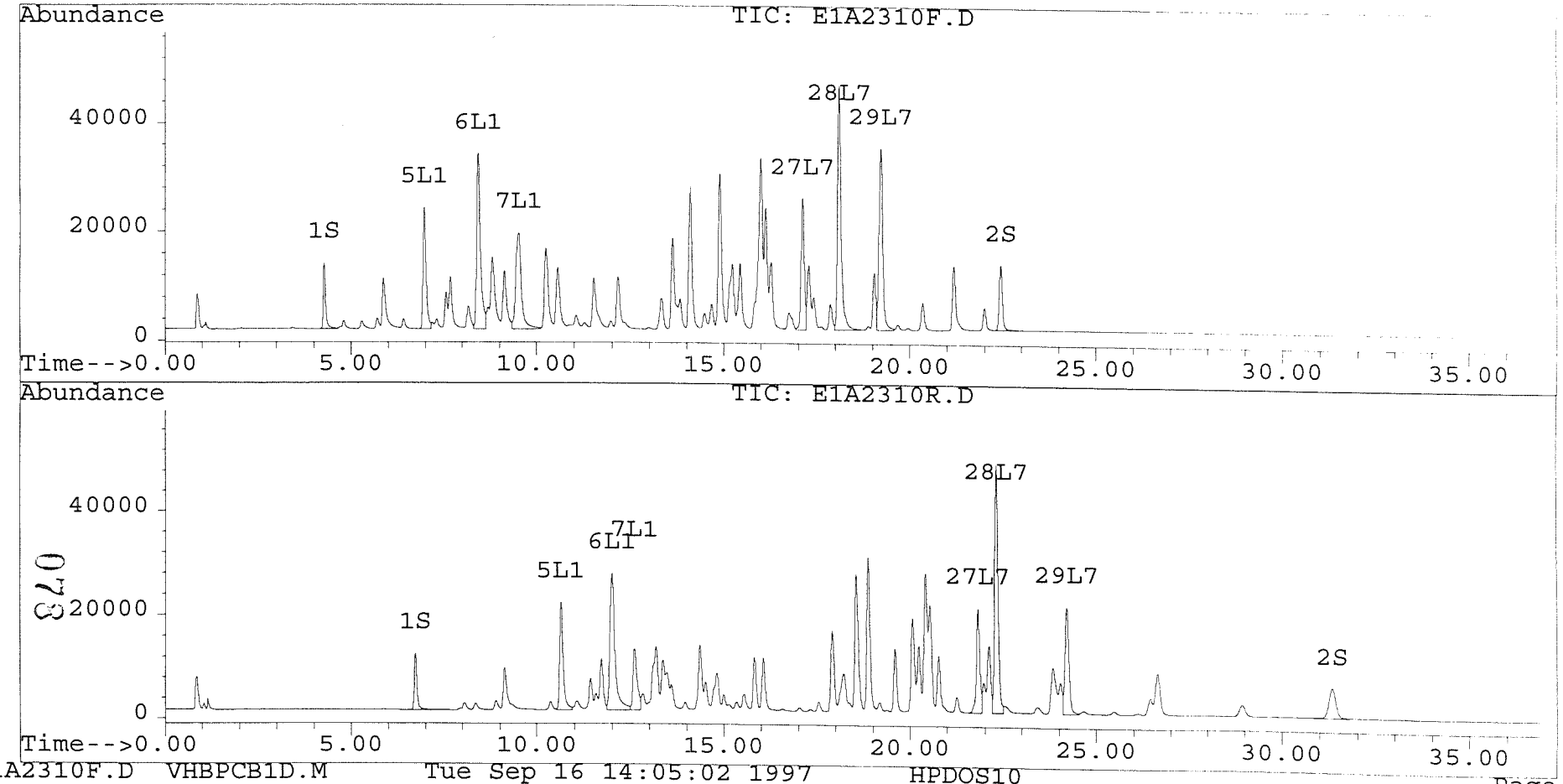
077

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2310F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2310F.D\E1A2310R.D
Acq On : 16 Sep 97 11:35 AM Operator: JS
Sample : ar1660D4,ar1660D4,,ar1660.sub Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 13:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2311F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2311F.D\E1A2311R.D
Acq On : 16 Sep 97 12:15 PM Operator: JS
Sample : ar1660D3,ar1660D3,,ar1660.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 13:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4341	4034	18.356	18.133
					Recovery	=	45.89%	45.33%
2)	S	Decachlorobiphenyl	22.44	31.33	5138	2496	22.684m	20.227
					Recovery	=	56.71%	50.57%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4)	M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5)	L1	Aroclor-1016	6.97	10.65	9682	9299	354.404	339.294
6)	L1	Aroclor-1016 {2}	8.43	12.02	11893	10106	313.828	340.156
7)	L1	Aroclor-1016 {3}	9.52	12.61	7604	4783	351.094	310.037
	Total	Aroclor-1016			29179	24187	1019.326	989.486
Average		Aroclor-1016					339.775	329.829
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

073

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2311F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2311F.D\E1A2311R.D
Acq On : 16 Sep 97 12:15 PM Operator: JS
Sample : ar1660D3,ar1660D3,,ar1660.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 13:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	17.12	21.82	9873	8712	412.791	387.853
28) L7	Aroclor-1260 {2}	18.10	22.31	18355	20541	423.131	375.256
29) L7	Aroclor-1260 {3}	19.21	24.21	13447	8363	411.948	347.044
Total	Aroclor-1260			41675	37616	1247.870	1110.153
Average	Aroclor-1260					415.957	370.051

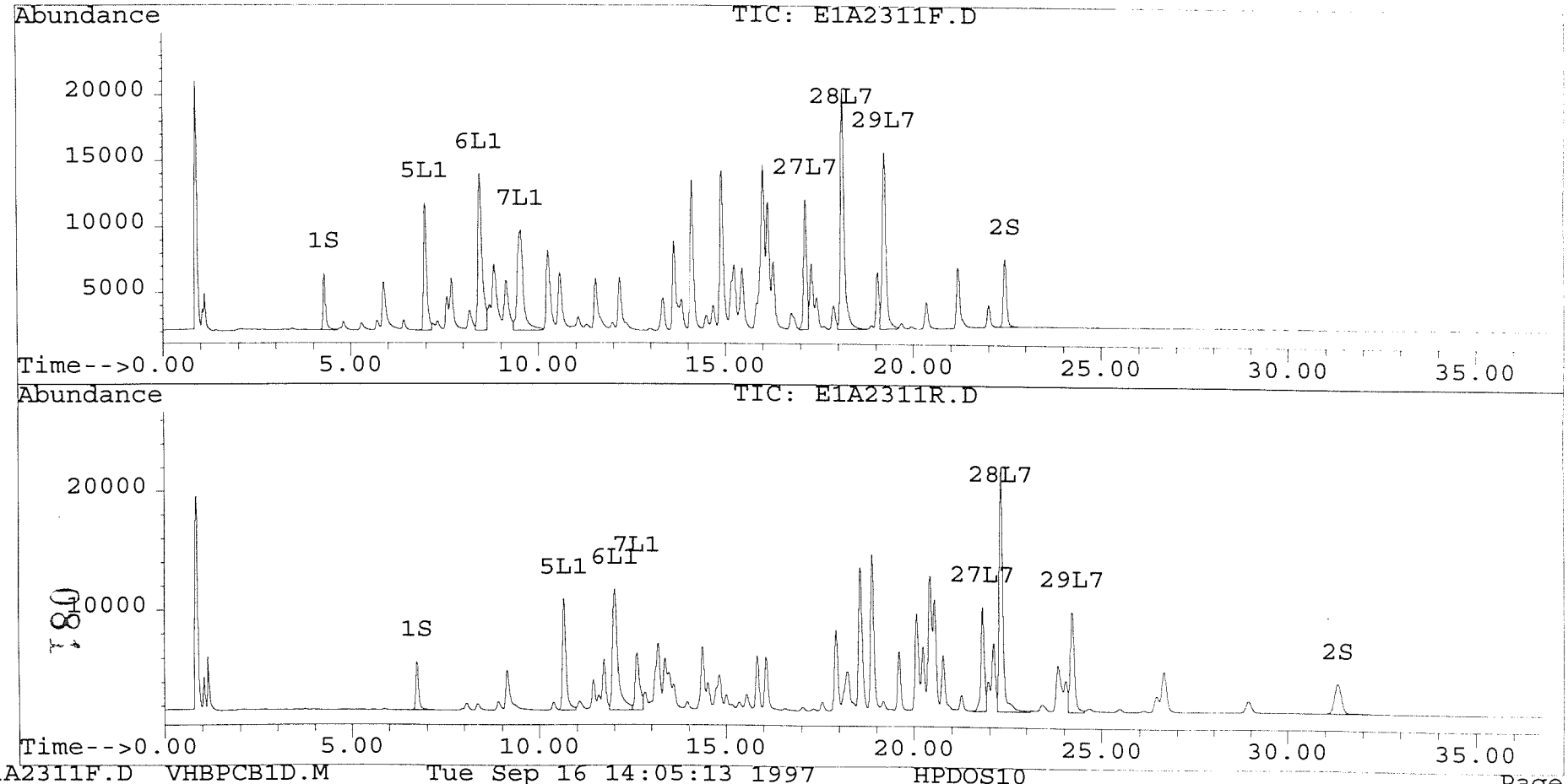
050

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2311F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2311F.D\E1A2311R.D
Acq On : 16 Sep 97 12:15 PM Operator: JS
Sample : ar1660D3,ar1660D3,,ar1660.sub Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 13:05 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2312F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2312F.D\E1A2312R.D
Acq On : 16 Sep 97 12:55 PM Operator: JS
Sample : ar1660D2,ar1660D2,,ar1660.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 13:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.28	6.74	1734	1781	7.802	8.528
				Recovery	=	19.51%	21.32%
2) S	Decachlorobiphenyl	22.44	31.33	2424	1180	10.306m	9.768
				Recovery	=	25.77%	24.42%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	N.D.
5) L1	Aroclor-1016	6.98	10.66	4606	4633	169.006	172.033
6) L1	Aroclor-1016 (2)	8.45	12.02	4851	4434	149.236	151.677
7) L1	Aroclor-1016 (3)	9.52	12.62	3633	2195	168.564	144.281
Total	Aroclor-1016			13090	11262	486.806	467.992
Average	Aroclor-1016					162.269	155.997
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

082

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2312F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2312F.D\E1A2312R.D
Acq On : 16 Sep 97 12:55 PM Operator: JS
Sample : ar1660D2,ar1660D2,,ar1660.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 13:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	17.13	21.83	4412	4050	168.863	170.813
28) L7	Aroclor-1260 {2}	18.10	22.32	8051	9366	168.403	167.036
29) L7	Aroclor-1260 {3}	19.22	24.22	5809	3746	162.534	156.212
Total	Aroclor-1260			18272	17162	499.800	494.060
Average	Aroclor-1260					166.600	164.687

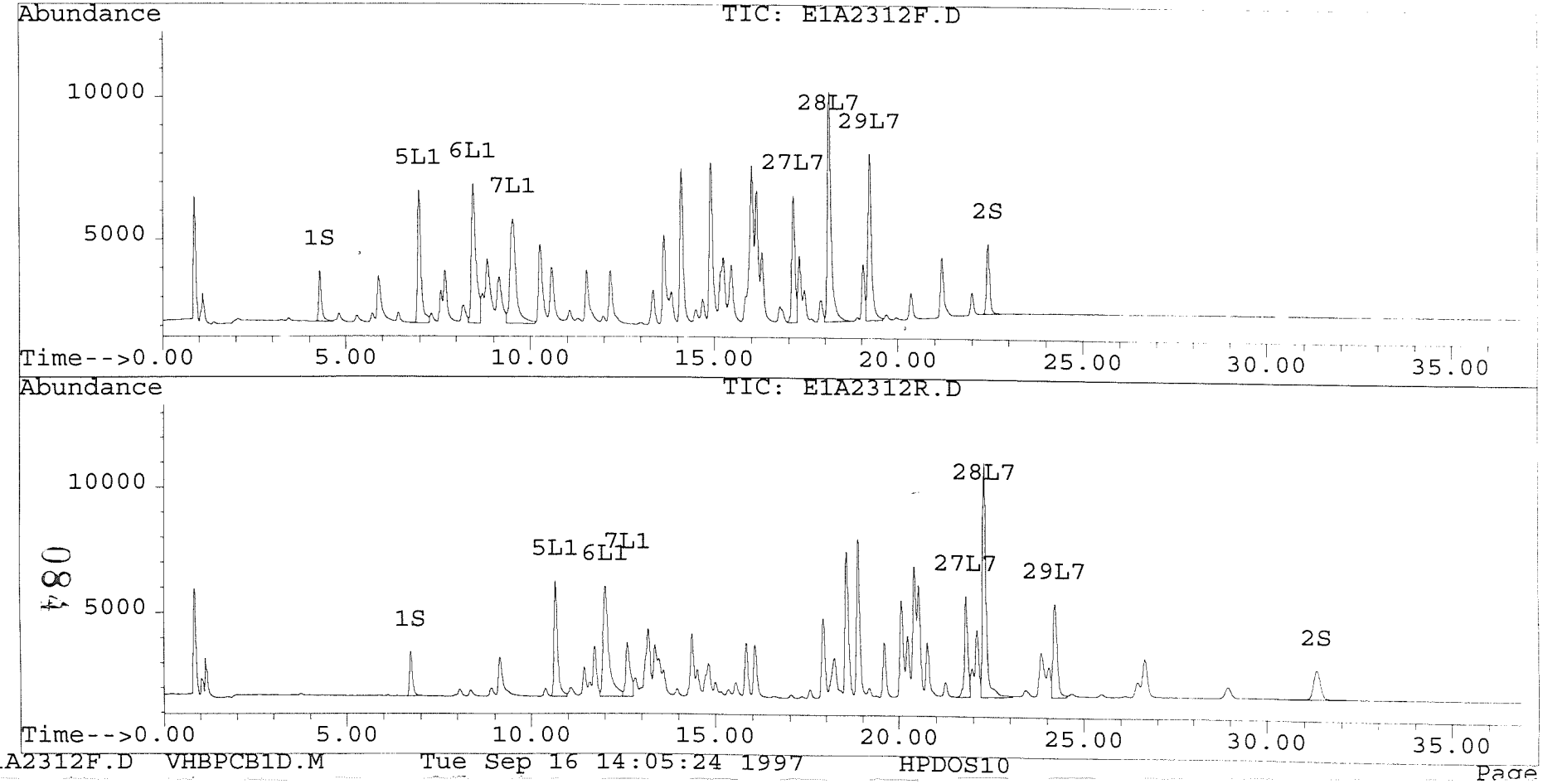
083

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2312F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2312F.D\E1A2312R.D
Acq On : 16 Sep 97 12:55 PM Operator: JS
Sample : ar1660D2,ar1660D2,,ar1660.sub Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 13:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2314F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2314F.D\E1A2314R.D
Acq On : 16 Sep 97 02:16 PM Operator: JS
Sample : PCBCOGD5,PCBCOGDB5 Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	11985	10649	56.213	53.086
					Recovery	=	140.53%	132.72%
2)	S	Decachlorobiphenyl	22.44	31.33	11868	5654	48.578	47.348
					Recovery	=	121.45%	118.37%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.40	12.01	366624	345755	6558.615	5054.423
4)	M	2,2',3,3',4,4'-Hexa	17.10	21.95	709397	667402	5240.096	4679.057
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

085

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2314F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2314F.D\E1A2314R.D
Acq On : 16 Sep 97 02:16 PM Operator: JS
Sample : PCBCOGD5,PCBCOGDB5 Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

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

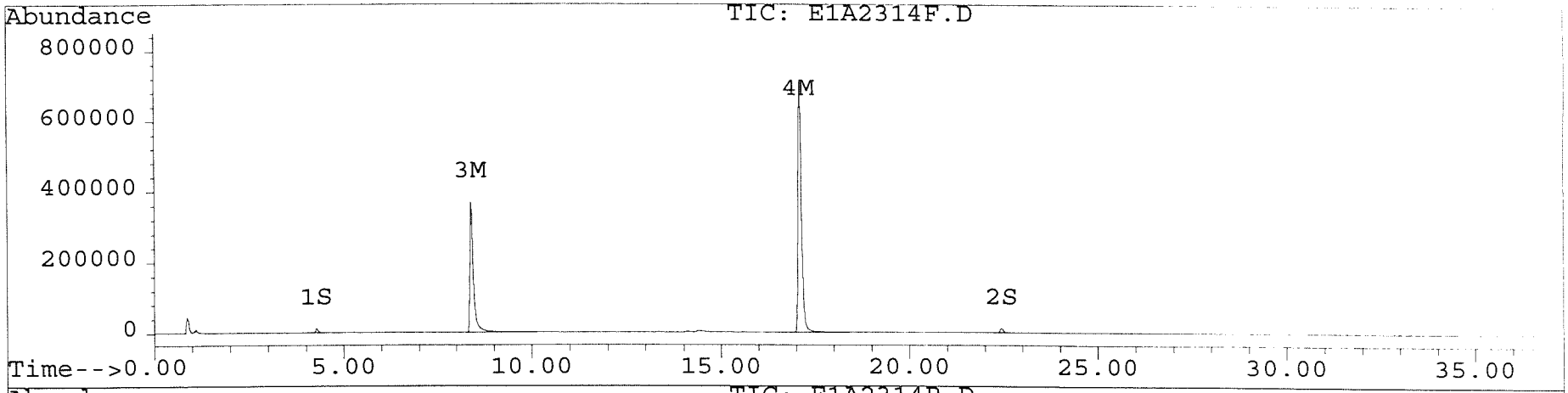
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 (2)	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 (3)	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

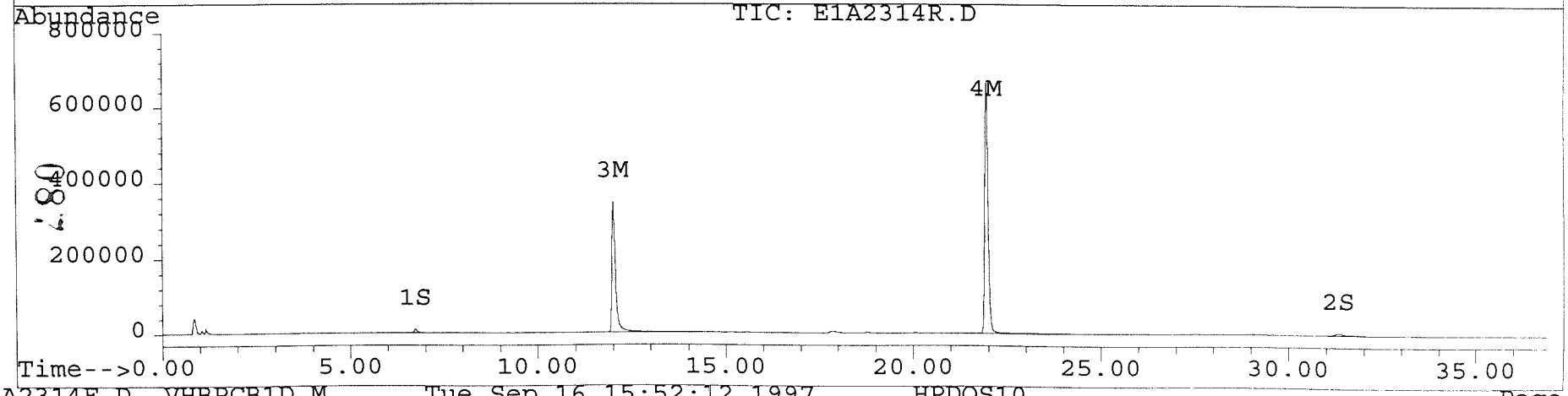
086

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2314F.D Vial: 31
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2314F.D\E1A2314R.D
Acq On : 16 Sep 97 02:16 PM Operator: JS
Sample : PCBCOGD5,PCBCOGDB5 Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 15:49 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2315F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2315F.D\E1A2315R.D
Acq On : 16 Sep 97 02:57 PM Operator: JS
Sample : PCBCOGD4,PCBCOGD4 Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	5366	5003	25.167	24.940
					Recovery	=	62.92%	62.35%
2)	S	Decachlorobiphenyl	22.44	31.34	5996	2884	24.543m	24.152
					Recovery	=	61.36%	60.38%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.41	12.02	187703	178782	3357.864	2613.526
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	377817	365949	2790.814	2565.614
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.d	N.D.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.d	N.D.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.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.	N.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.	N.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.	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

088

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2315F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2315F.D\E1A2315R.D
Acq On : 16 Sep 97 02:57 PM Operator: JS
Sample : PCBCOGD4,PCBCOGD4 Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 (2)	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.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.	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.d	N.D.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.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

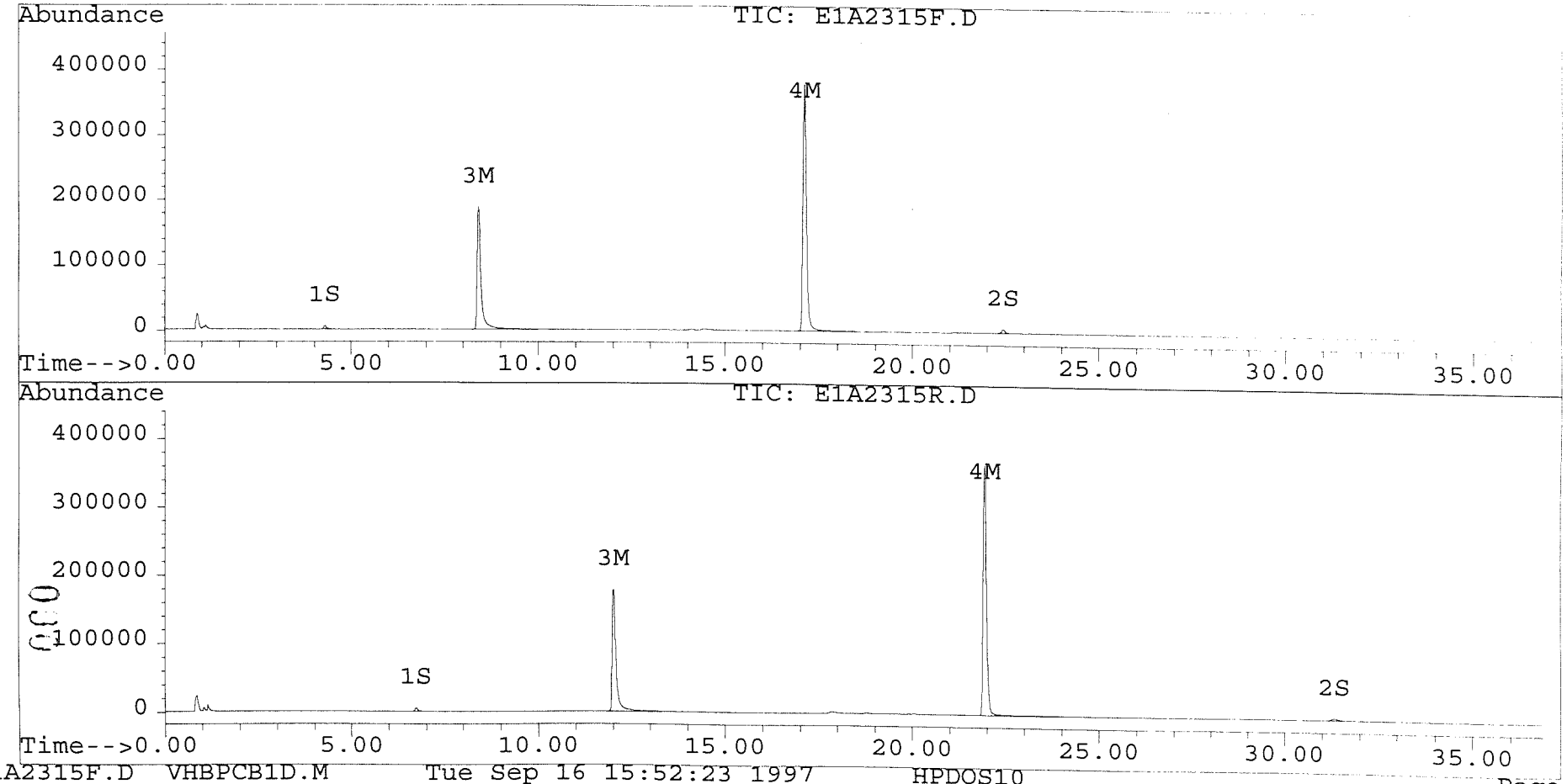
089

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2315F.D Vial: 32
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2315F.D\E1A2315R.D
Acq On : 16 Sep 97 02:57 PM Operator: JS
Sample : PCBCOGD4,PCBCOGD4 Inst : E1
Misc : 1,4,,3 Multiplr: 1.00
Quant Time: Sep 16 15:50 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2316F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2316F.D\E1A2316R.D
Acq On : 16 Sep 97 03:37 PM Operator: JS
Sample : PCBCOGD3,PCBCOGD3 Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 16:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2026	1901	9.502	9.479
					Recovery	=	23.76%	23.70%
2)	S	Decachlorobiphenyl	22.44	31.33	2747	1219	11.244m	10.207
					Recovery	=	28.11%	25.52%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.02	76493	75341	1343.197	1079.551
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	168593	167027	1175.799	1125.371
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.d	N.D.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.d	N.D.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.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.	N.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.	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.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.	N.D.

091

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2316F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2316F.D\E1A2316R.D
Acq On : 16 Sep 97 03:37 PM Operator: JS
Sample : PCBCOGD3,PCBCOGD3 Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 16:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

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

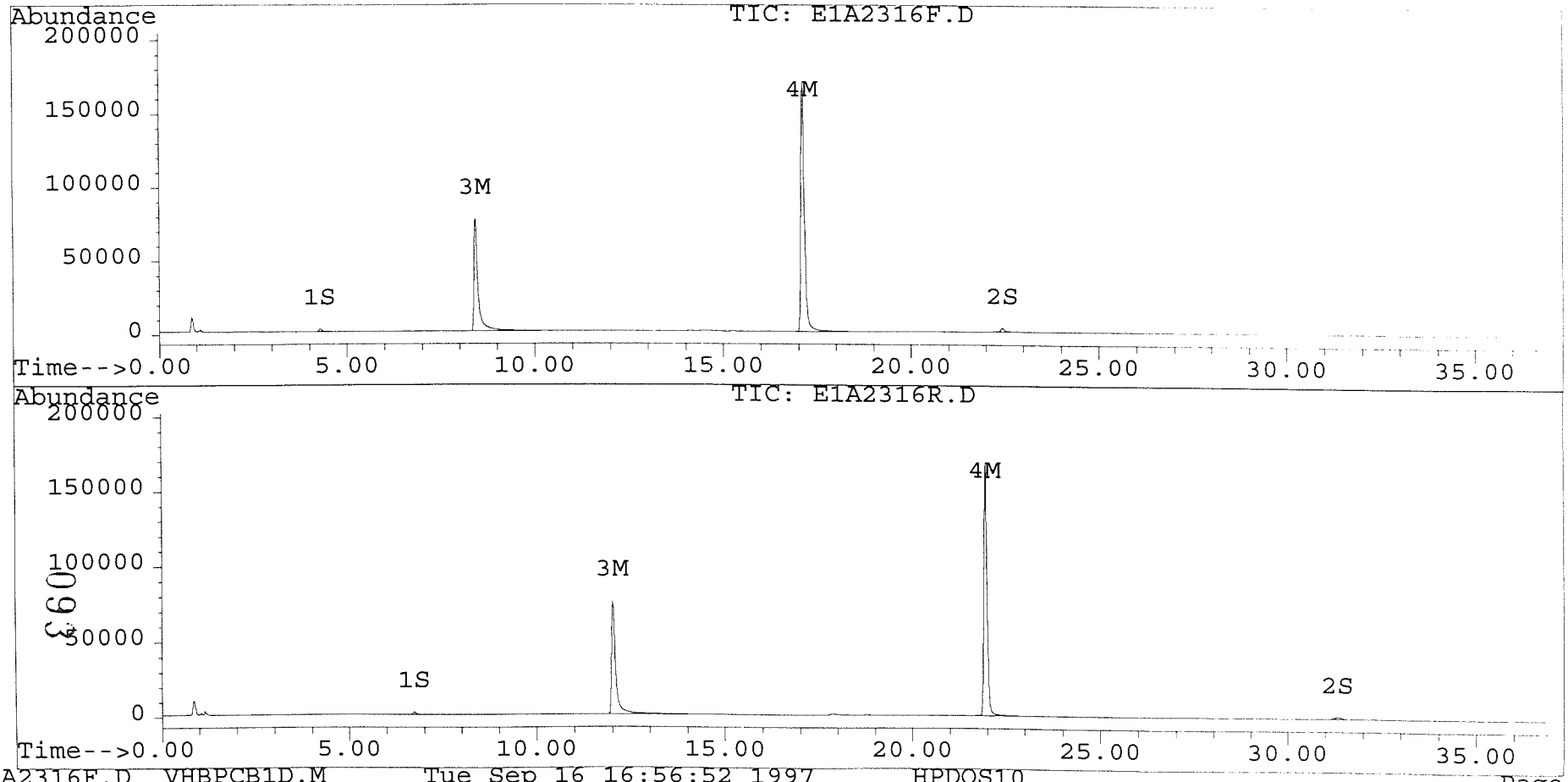
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	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.	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.d	N.D.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.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

092

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2316F.D Vial: 33
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2316F.D\E1A2316R.D
Acq On : 16 Sep 97 03:37 PM Operator: JS
Sample : PCBCOGD3,PCBCOGD3 Inst : E1
Misc : 1,3,,3 Multiplr: 1.00
Quant Time: Sep 16 16:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 15:51:30 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970915\E1A2317F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2317F.D\E1A2317R.D
Acq On : 16 Sep 97 04:18 PM Operator: JS
Sample : PCBCOGD2,PCBCOGD2 Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 17:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 17:51:37 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	963	927	4.515	4.622
				Recovery	=	11.29%	11.56%
2) S	Decachlorobiphenyl	22.44	31.34	1246	610	5.101m	5.111
				Recovery	=	12.75%	12.78%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.43	12.03	35942	37003	631.124	530.218
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	85948	88296	599.418	594.907
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.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

094

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2317F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2317F.D\E1A2317R.D
Acq On : 16 Sep 97 04:18 PM Operator: JS
Sample : PCBCOGD2,PCBCOGD2 Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 17:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 17:51:37 1997
Response via : Multiple Level Calibration

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

Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
0) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
?2) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
3) 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
6) 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
7) 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
?9) 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

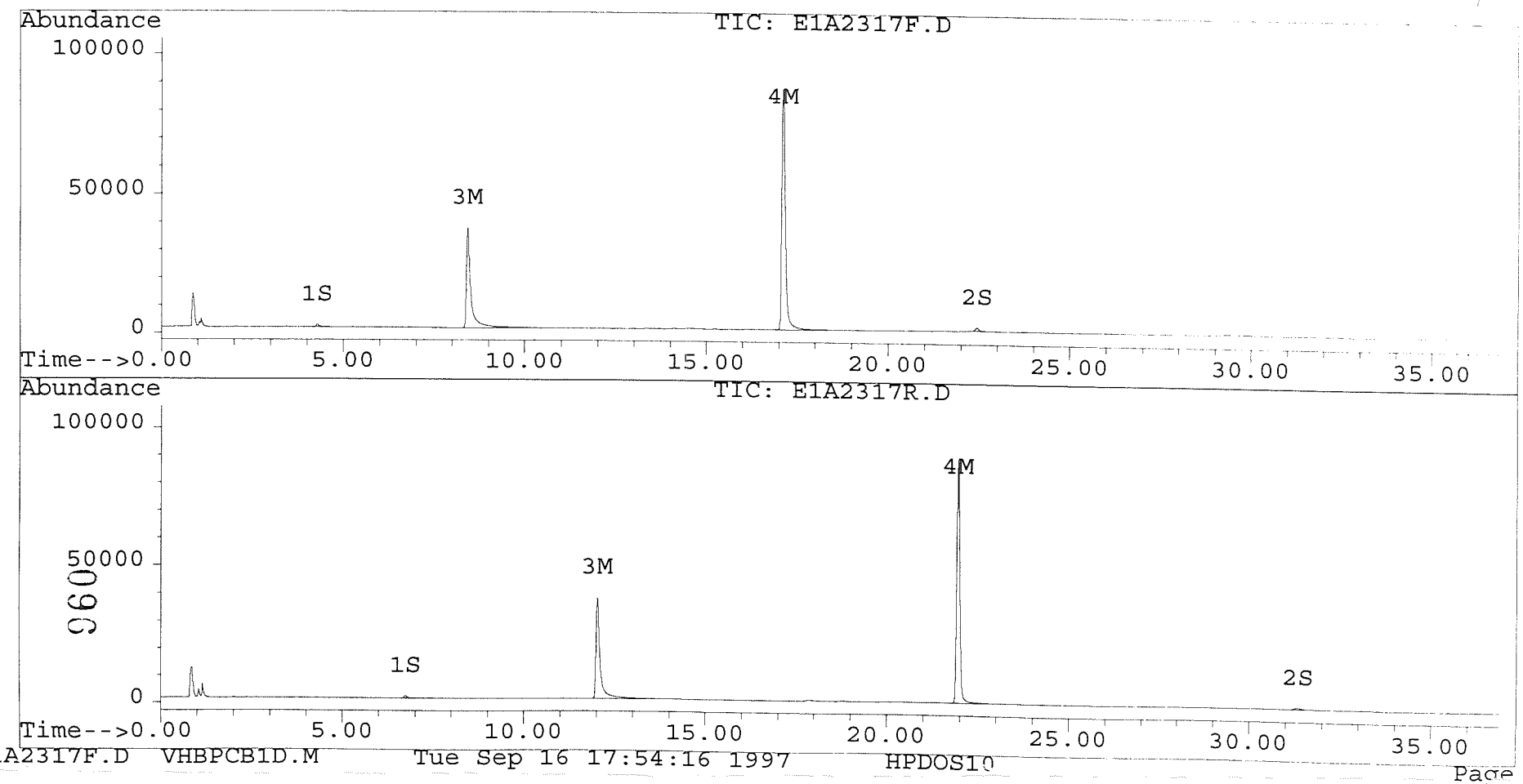
095

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2317F.D Vial: 34
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2317F.D\E1A2317R.D
Acq On : 16 Sep 97 04:18 PM Operator: JS
Sample : PCBCOGD2,PCBCOGD2 Inst : E1
Misc : 1,2,,3 Multiplr: 1.00
Quant Time: Sep 16 17:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 17:51:37 1997
Response via : Multiple Level Calibration

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



960

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D\E1A2318R.D
Acq On : 16 Sep 97 04:58 PM Operator: JS
Sample : PCBCOGD1,PCBCOGD1 Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 17:51 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	6.74	494	467	2.318	2.330
					Recovery	=	5.80%	5.83%
2)	S	Decachlorobiphenyl	22.44	31.34	678	322	2.774m	2.696
					Recovery	=	6.94%	6.74%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.04	17094	17966	295.725	255.307
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	45747	47451	307.858	311.559
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.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

097

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D\E1A2318R.D
Acq On : 16 Sep 97 04:58 PM Operator: JS
Sample : PCBCOGD1,PCBCOGD1 Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 17:51 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

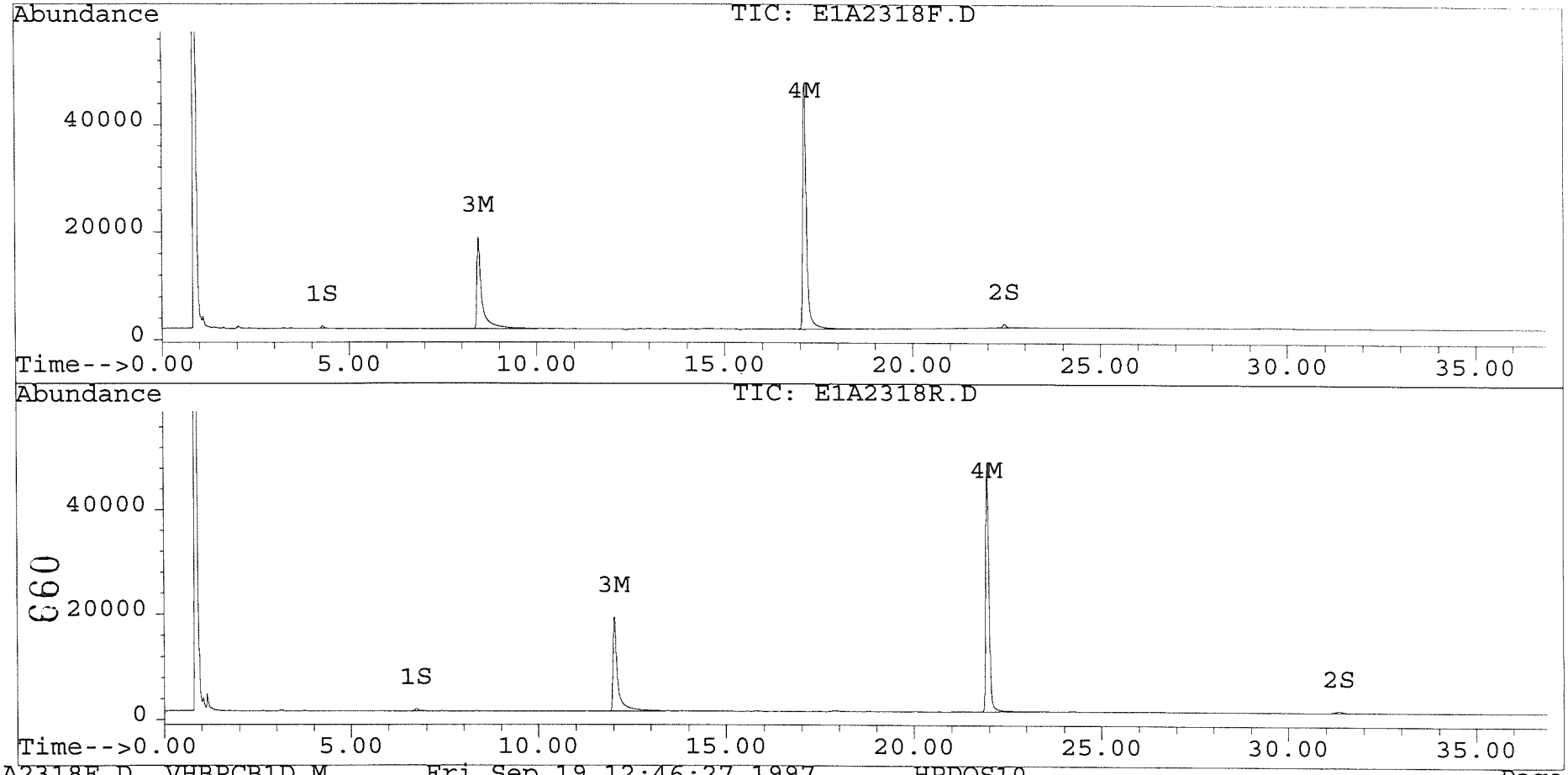
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1248			0	0	N.D.	N.D.
Average	Aroclor-1248					0.000	0.000
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
23) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
24) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
25) L6	Aroclor-1254 (4)	0.00	0.00	0	0	N.D.d	N.D.d
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1254			0	0	N.D.	N.D.
Average	Aroclor-1254					0.000	0.000
27) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
29) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

093

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D Vial: 35
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2318F.D\E1A2318R.D
Acq On : 16 Sep 97 04:58 PM Operator: JS
Sample : PCBCOGD1,PCBCOGD1 Inst : E1
Misc : 1,1,,3 Multiplr: 1.00
Quant Time: Sep 16 17:51 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



Initial Calibration

Instrument E3

Response Factor Report E3

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 : Initial Calibration

Calibration Files
low =E3A0131F.D mid =E3A0130F.D high =E3A0128F.D
con4 =E3A0129F.D con2 =E3A0132F.D

		Compound	low	mid	high	con4	con2	Avg		%RSD	
1)	S	Tetrachloro-m-xylene	7.4	6.5	5.6	6.1	6.4	6.4	E3	10.34	
2)	S	Decachlorobiphenyl	9.7	8.3	6.5	7.6	8.2	8.1	E3	14.34	
3)		2,4,4'-Trichlorobiphe	60.6	49.3	39.3	44.5	47.5	48.3		16.34	
4)		2,2',3,3',4,4'-Hexach	110.2	87.1	72.1	79.7	86.4	87.1		16.37	
5)	L1	Aroclor-1016	24.0	18.3	13.2	15.6	18.8	18.0		22.42	QR
6)	L1	Aroclor-1016 {2}	9.8	8.2	6.1	6.8	8.3	7.8		18.33	
7)	L1	Aroclor-1016 {3}	34.4	29.9	23.3	27.0	28.9	28.7		14.15	
8)	L2	Aroclor-1221	7.7	6.4	4.5	5.2	6.2	6.0		20.33	QR
9)	L2	Aroclor-1221 {2}	6.4	5.8	4.6	5.2	5.4	5.5		12.70	
10)	L2	Aroclor-1221 {3}	17.0	14.9	11.3	13.1	13.9	14.0		15.24	
11)	L3	Aroclor-1232	16.0	12.8	9.1	10.7	12.5	12.2		21.10	QR
12)	L3	Aroclor-1232 {2}	12.0	9.3	6.5	7.6	9.3	8.9		23.22	QR
13)	L3	Aroclor-1232 {3}	16.8	14.3	11.1	12.6	13.7	13.7		15.30	
14)	L4	Aroclor-1242	32.5	24.6	18.3	20.6	29.5	25.1		23.64	QR
15)	L4	Aroclor-1242 {2}	46.6	40.0	32.9	36.0	46.2	40.3		15.10	
16)	L4	Aroclor-1242 {3}	19.6	16.4	13.1	14.4	19.3	16.6		17.52	
17)	L4	Aroclor 1242 {4}	16.7	14.9	12.7	13.6	17.2	15.0		12.85	
18)	L4	Aroclor 1242 {5}	23.7	18.4	13.7	15.4	22.1	18.7		23.02	QR
19)	L5	Aroclor-1248	21.8	16.4	12.1	13.4	17.2	16.2		23.30	QR
20)	L5	Aroclor-1248 {2}	18.4	14.5	11.0	11.9	14.8	14.1		20.56	QR
21)	L5	Aroclor-1248 {3}	24.4	18.9	14.4	15.4	19.3	18.5		21.35	QR
22)	L6	Aroclor-1254	28.0	20.6	17.4	20.7	20.4	21.4		18.20	
23)	L6	Aroclor-1254 {2}	55.9	40.0	33.6	39.7	40.0	41.8		19.86	
24)	L6	Aroclor-1254 {3}	27.9	19.4	15.5	18.8	19.8	20.3		22.62	QR
25)	L6	Aroclor 1254 {4}	31.3	23.1	19.8	23.6	23.1	24.2		17.67	
26)	L6	Aroclor 1254 {5}	23.2	16.2	12.9	15.7	16.7	16.9		22.45	QR
27)	L7	Aroclor-1260	22.5	19.1	14.7	17.1	18.5	18.4		15.59	
28)	L7	Aroclor-1260 {2}	38.4	33.9	27.4	31.5	32.2	32.7		12.31	
29)	L7	Aroclor-1260 {3}	26.7	23.6	18.9	21.7	22.1	22.6		12.59	

Signal #2 Calibration Files
low =E3A0131R.D mid =E3A0130R.D high =E3A0128R.D
con4 =E3A0129F.D con4 =E3A0129R.D

		Compound	low	mid	high	con4	con4	Avg		%RSD	
1)	S	Tetrachloro-m-xylene	5.5	4.8	3.8	4.3	4.8	4.6	E3	13.71	
2)	S	Decachlorobiphenyl	7.0	6.4	4.8	5.7	6.2	6.0	E3	13.45	
3)		2,4,4'-Trichlorobiphe	32.4	25.7	20.5	22.8	24.9	25.3		17.69	
4)		2,2',3,3',4,4'-Hexach	57.3	44.7	37.2	40.5	44.2	44.8		17.04	
5)	L1	Aroclor-1016	12.6	9.7	6.8	8.1	10.1	9.5		23.00	QR
6)	L1	Aroclor-1016 {2}	4.0	3.6	2.6	3.1	3.6	3.4		15.60	
7)	L1	Aroclor-1016 {3}	15.7	12.7	9.5	11.1	12.8	12.4		18.89	
8)	L2	Aroclor-1221	3.7	3.3	2.3	2.8	3.2	3.1		17.33	
9)	L2	Aroclor-1221 {2}	3.6	3.4	2.5	3.0	3.1	3.1		13.23	

101

(#) = Out of Range

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 : Initial Calibration

Calibration Files
low =E3A0131R.D mid =E3A0130R.D high =E3A0128R.D
con4 =E3A0129F.D con4 =E3A0129R.D

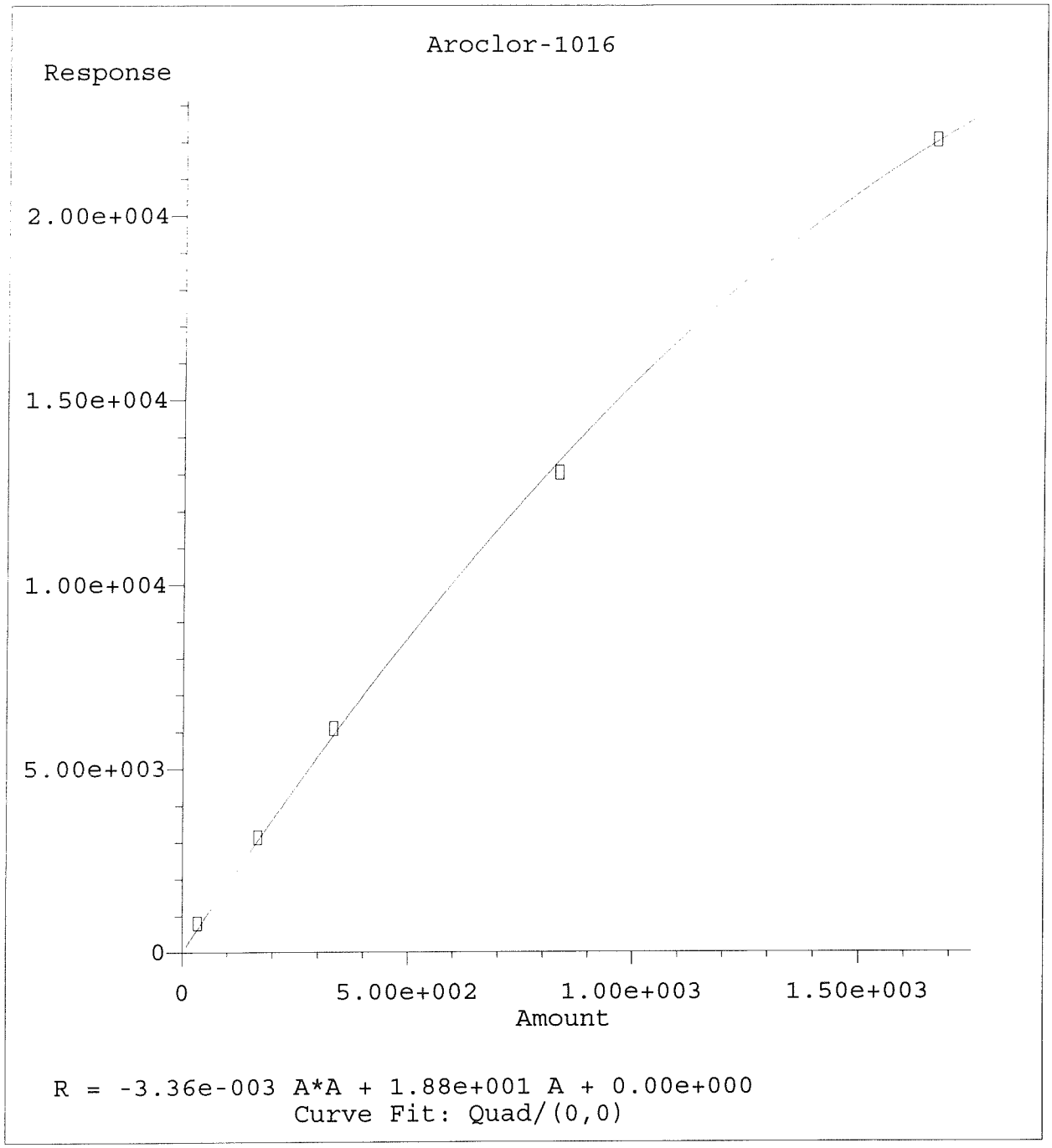
		Compound	low	mid	high	con4	con4	Avg	%RSD	
10)	L2	Aroclor-1221 {3}	8.3	7.2	5.3	6.2	6.9	6.8	16.21	
11)	L3	Aroclor-1232	7.8	6.4	4.5	5.3	6.4	6.1	20.45	Q
12)	L3	Aroclor-1232 {2}	6.3	5.2	3.5	4.2	5.2	4.9	21.67	Q
13)	L3	Aroclor-1232 {3}	7.5	6.4	4.7	5.4	6.3	6.1	17.79	
14)	L4	Aroclor-1242	16.9	13.3	9.6	10.9	15.9	13.3	23.53	Q
15)	L4	Aroclor-1242 {2}	7.8	6.7	5.0	5.7	7.9	6.6	19.11	
16)	L4	Aroclor-1242 {3}	21.0	17.3	13.4	14.9	20.3	17.4	19.08	
17)	L4	Aroclor 1242 {4}	10.1	8.9	6.8	7.6	10.4	8.7	17.96	
18)	L4	Aroclor 1242 {5}	8.1	7.4	5.9	6.5	8.6	7.3	14.95	
19)	L5	Aroclor-1248	7.5	6.1	4.4	4.9	6.3	5.8	21.07	Q
20)	L5	Aroclor-1248 {2}	10.1	8.0	5.8	6.4	8.2	7.7	22.15	Q
21)	L5	Aroclor-1248 {3}	11.0	8.7	6.4	7.1	9.0	8.4	21.19	Q
22)	L6	Aroclor-1254	16.4	12.0	9.5	11.6	12.1	12.3	20.44	Q
23)	L6	Aroclor-1254 {2}	33.9	23.1	18.3	22.2	23.7	24.2	23.83	Q
24)	L6	Aroclor-1254 {3}	18.7	13.5	10.9	13.1	13.8	14.0	20.28	Q
25)	L6	Aroclor 1254 {4}	13.6	9.6	7.2	9.0	10.0	9.9	23.74	Q
26)	L6	Aroclor 1254 {5}	13.6	9.7	7.3	9.1	10.0	9.9	23.01	Q
27)	L7	Aroclor-1260	11.5	9.6	7.0	8.3	9.5	9.2	18.50	
28)	L7	Aroclor-1260 {2}	22.6	18.7	14.1	16.7	18.3	18.1	17.20	
29)	L7	Aroclor-1260 {3}	10.5	9.2	6.9	8.2	8.9	8.7	15.40	

QR: Quant using quadratic regression, force (0,0)

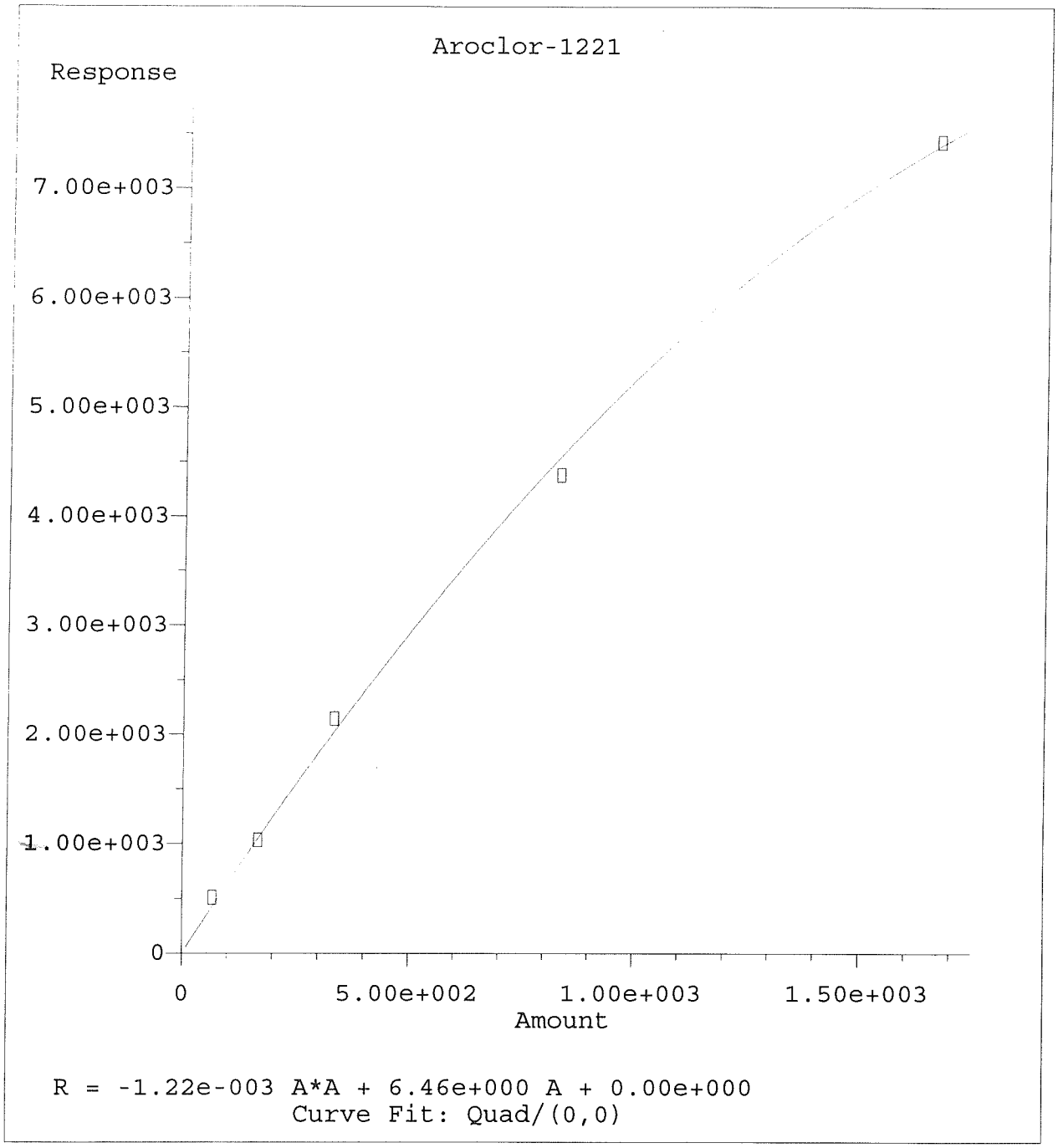
9/23/97

102

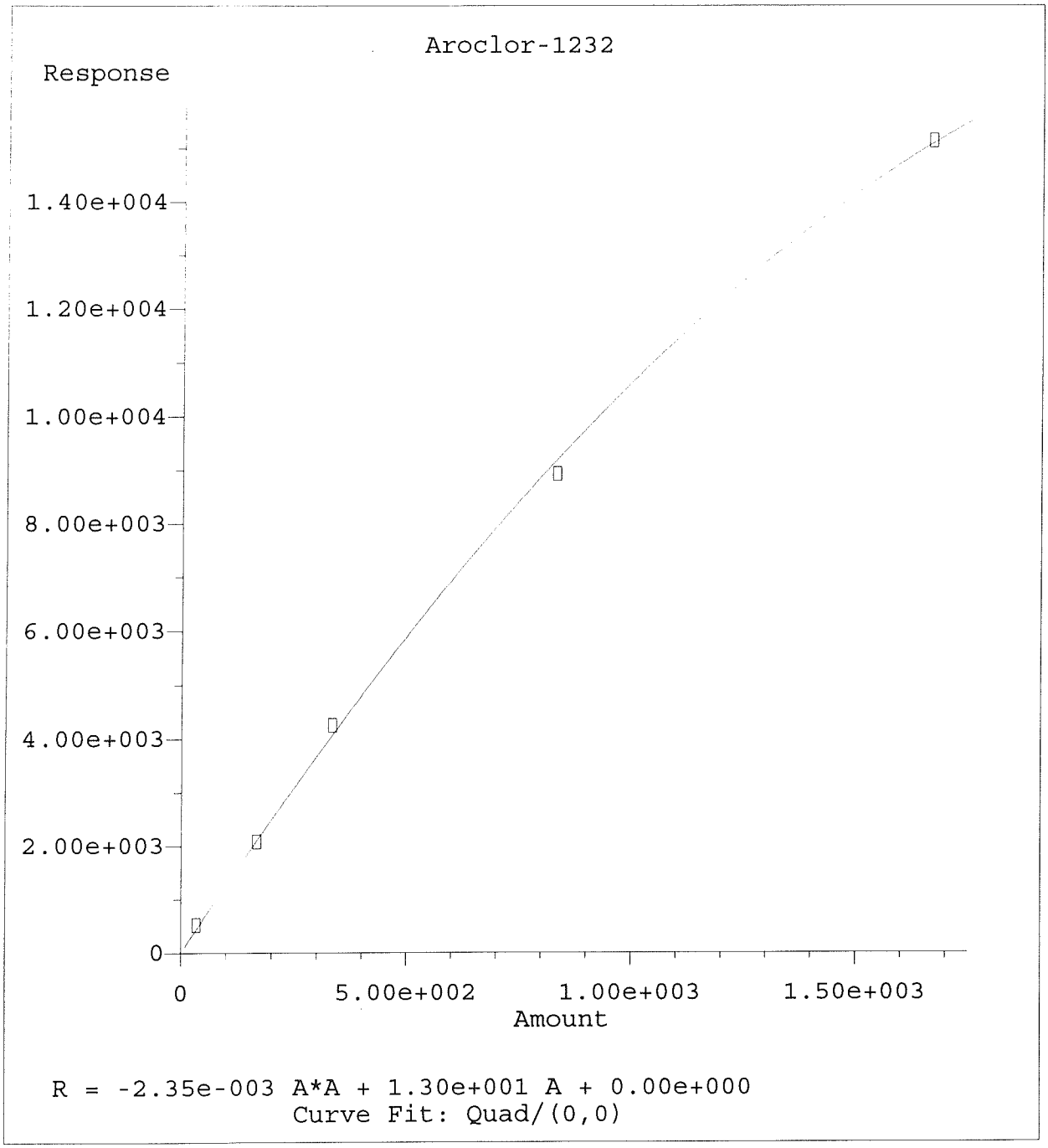
(#) = Out of Range



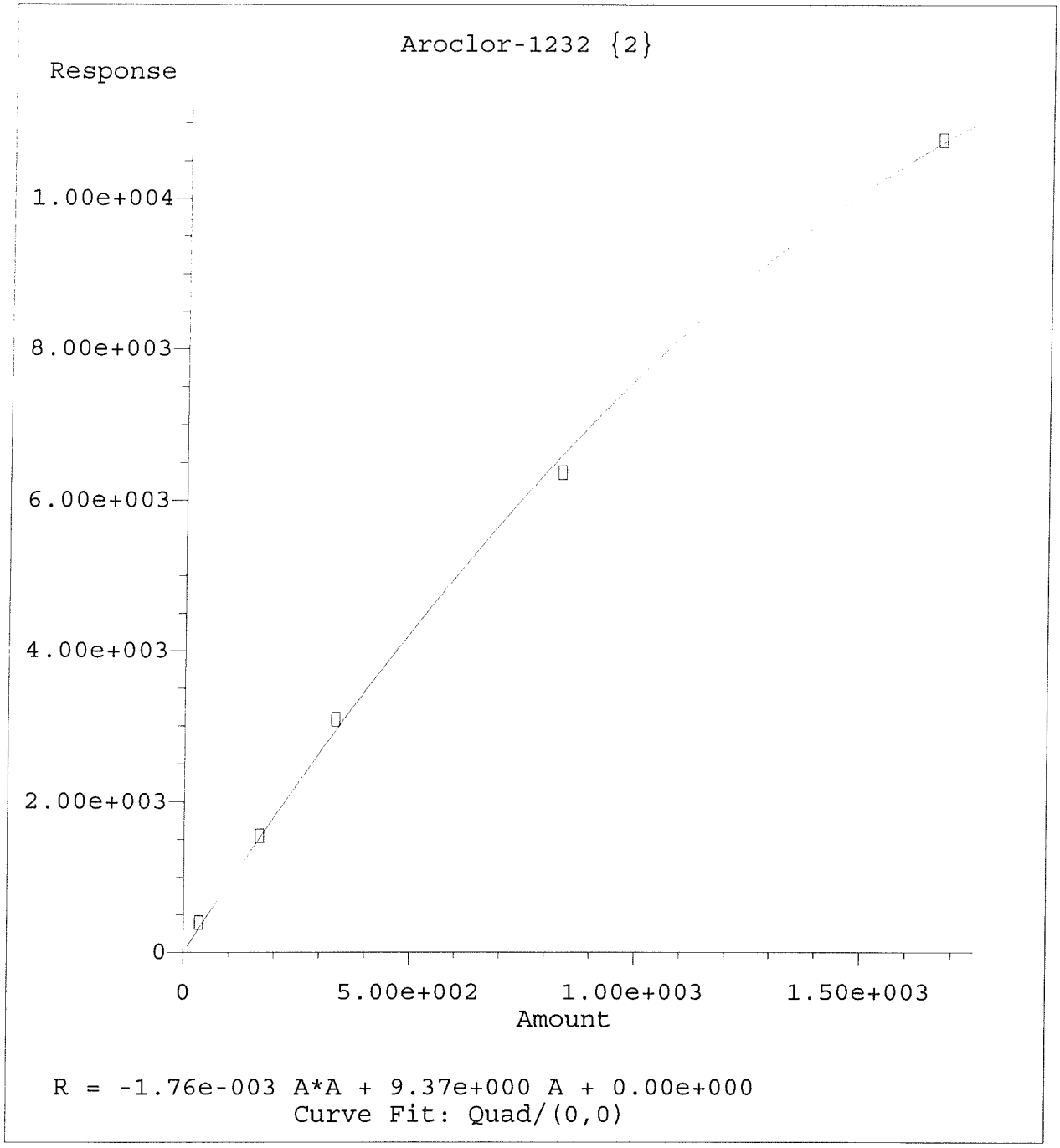
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



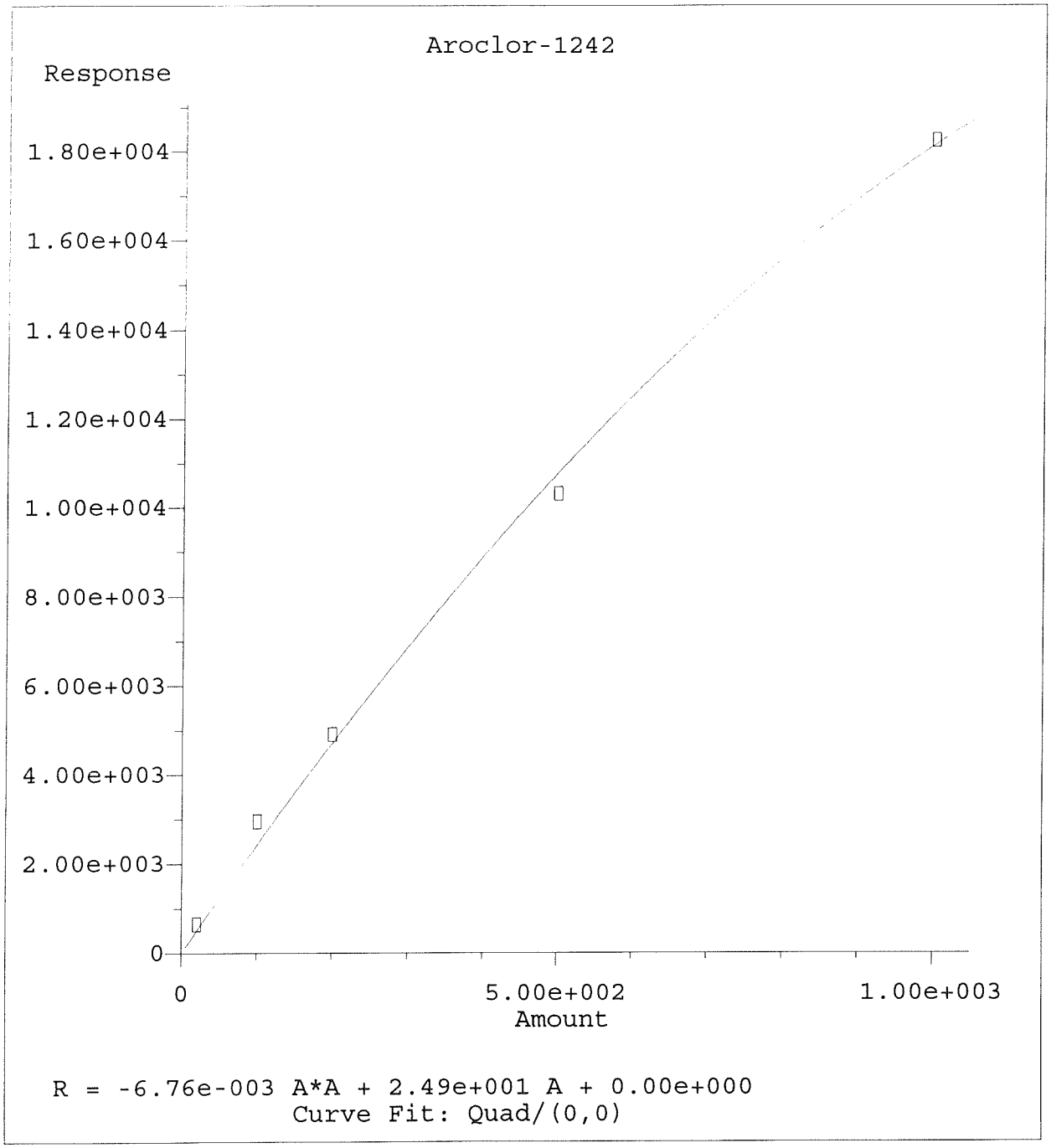
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



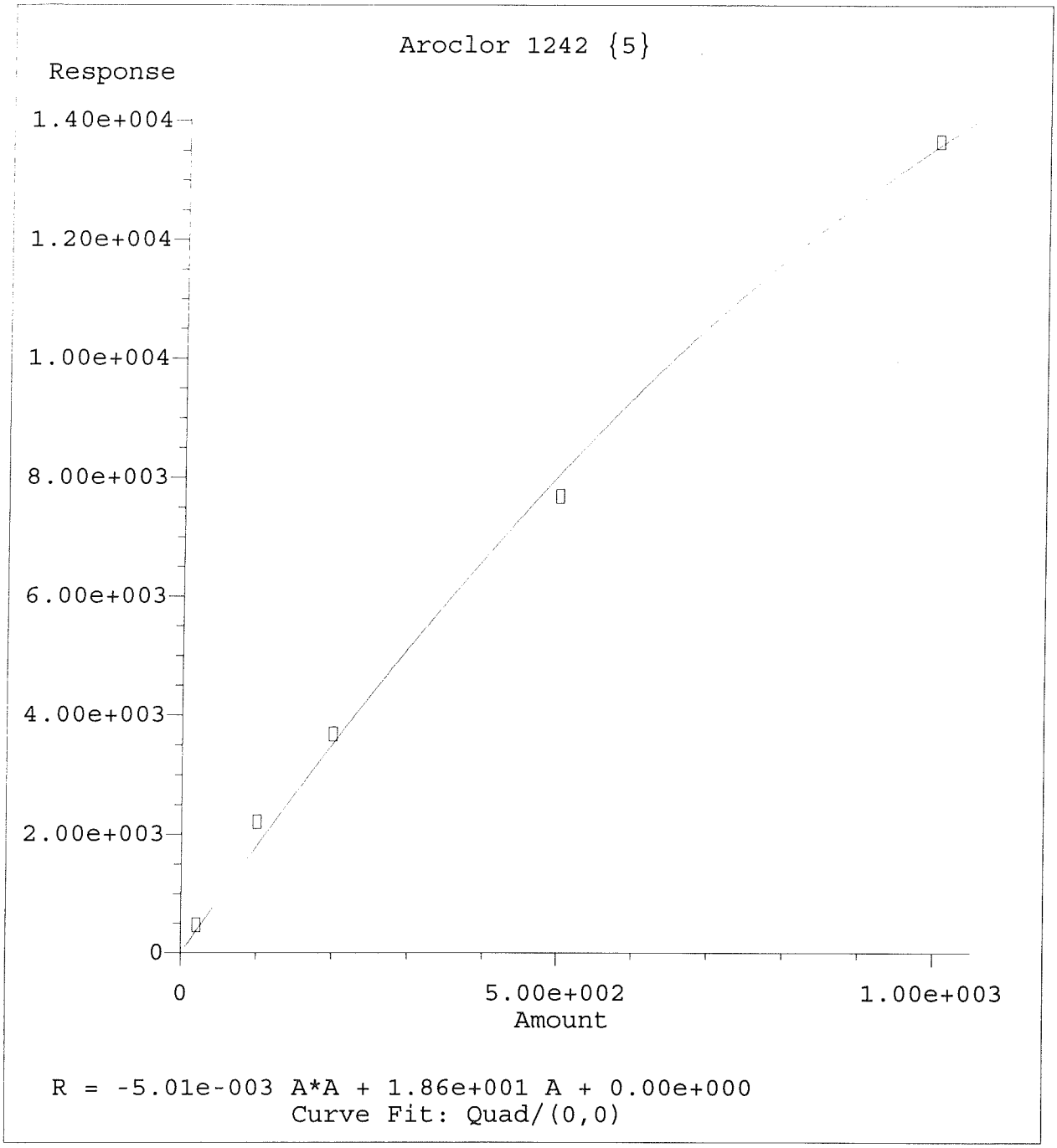
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



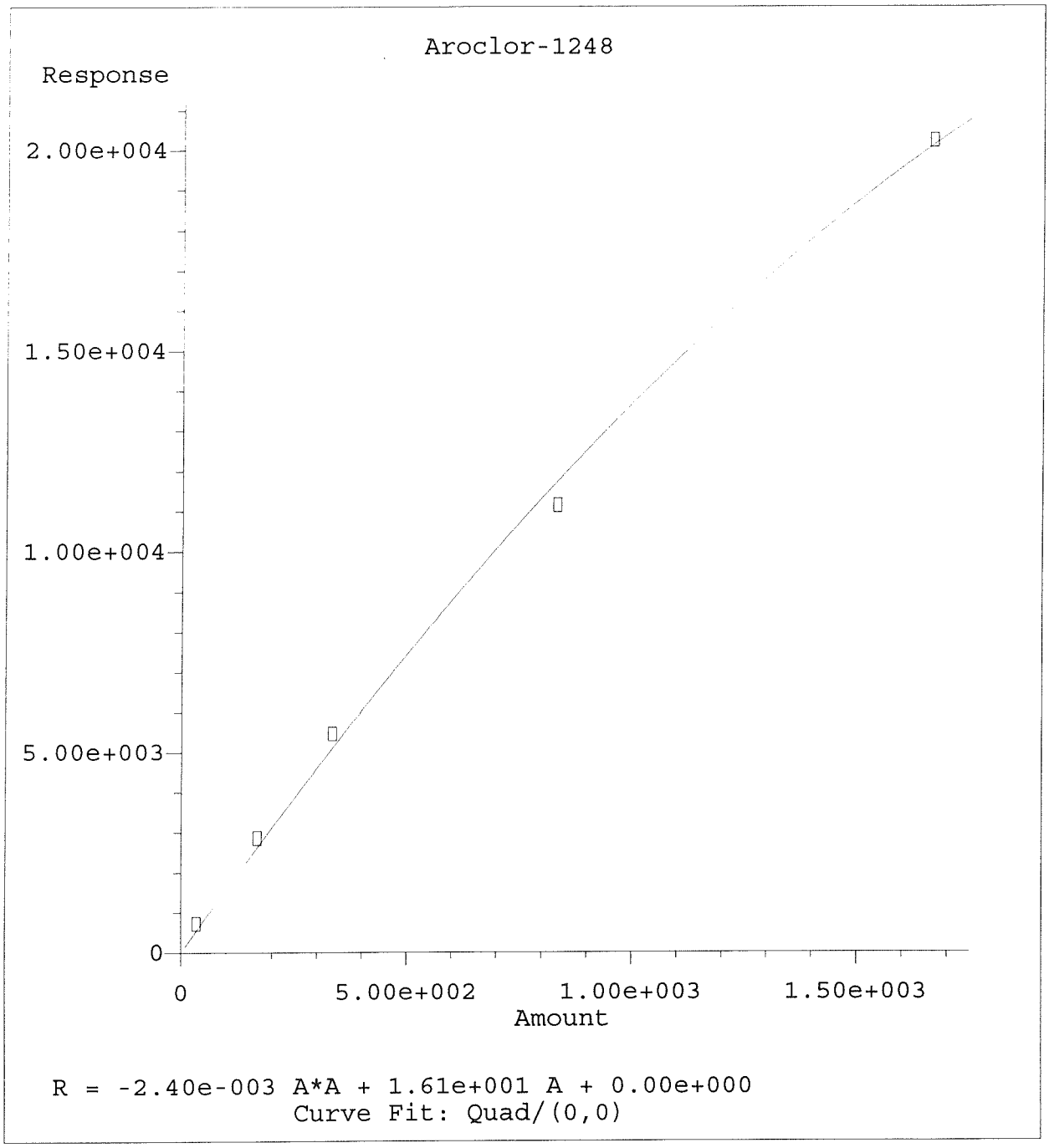
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



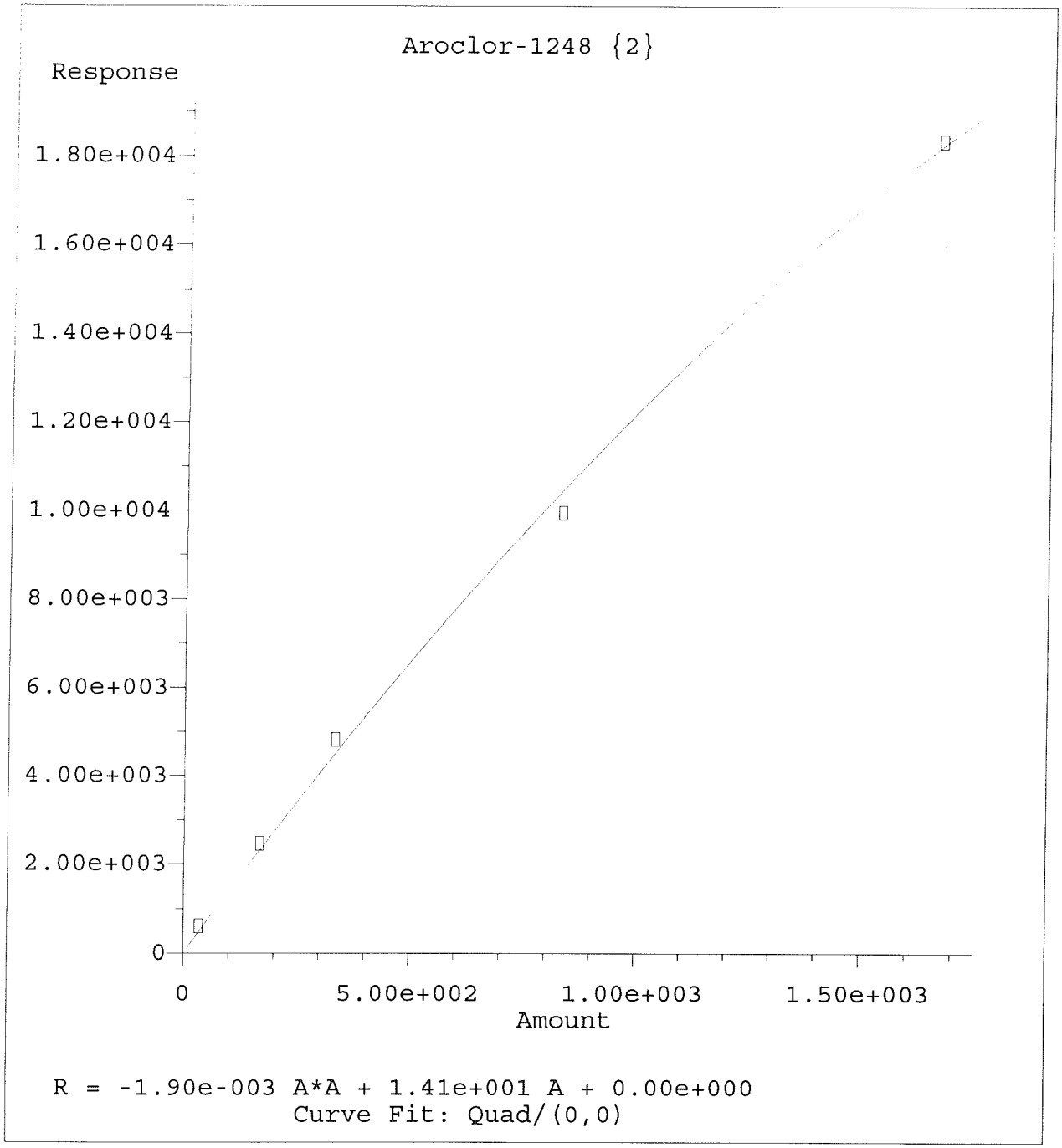
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



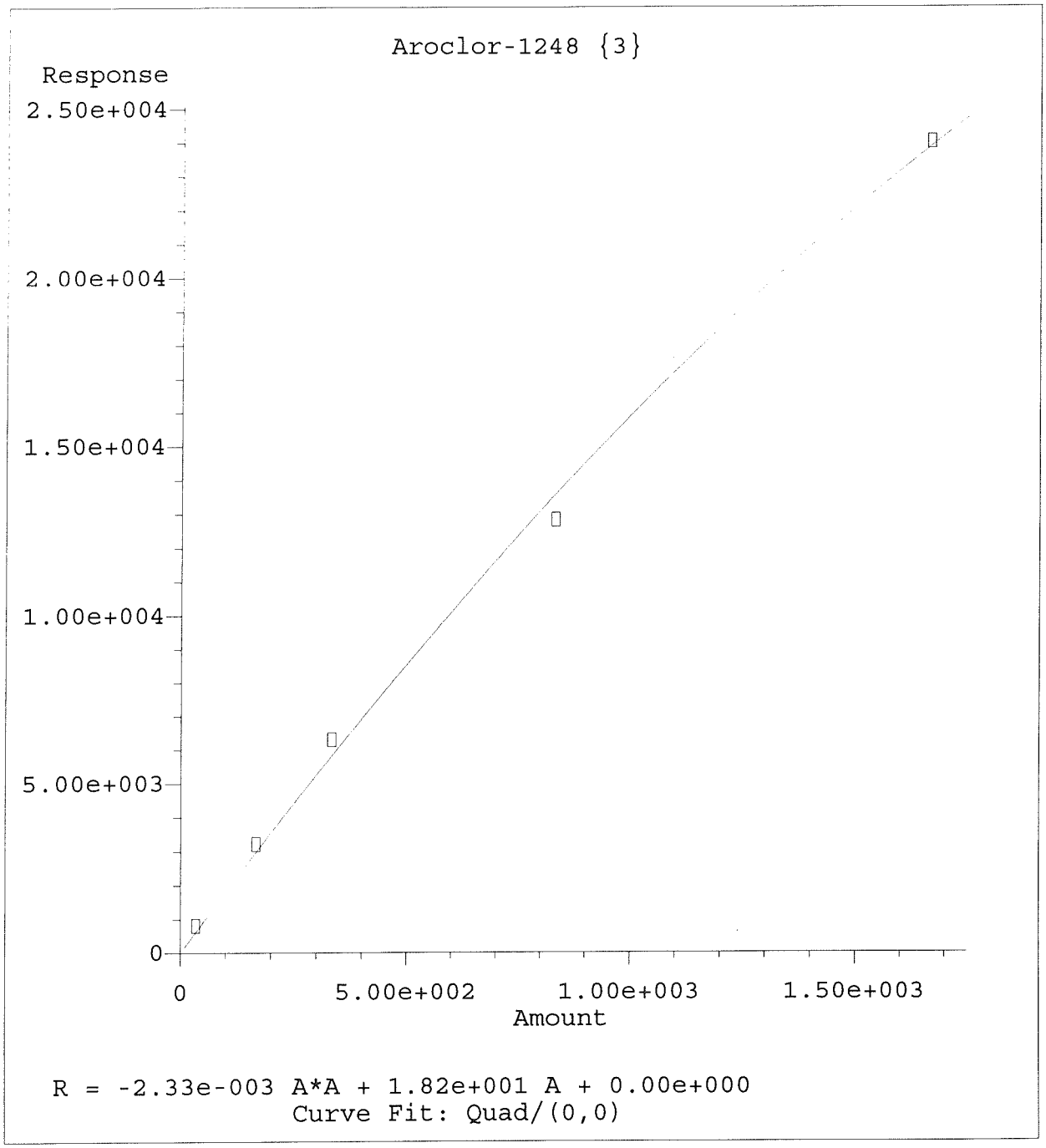
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



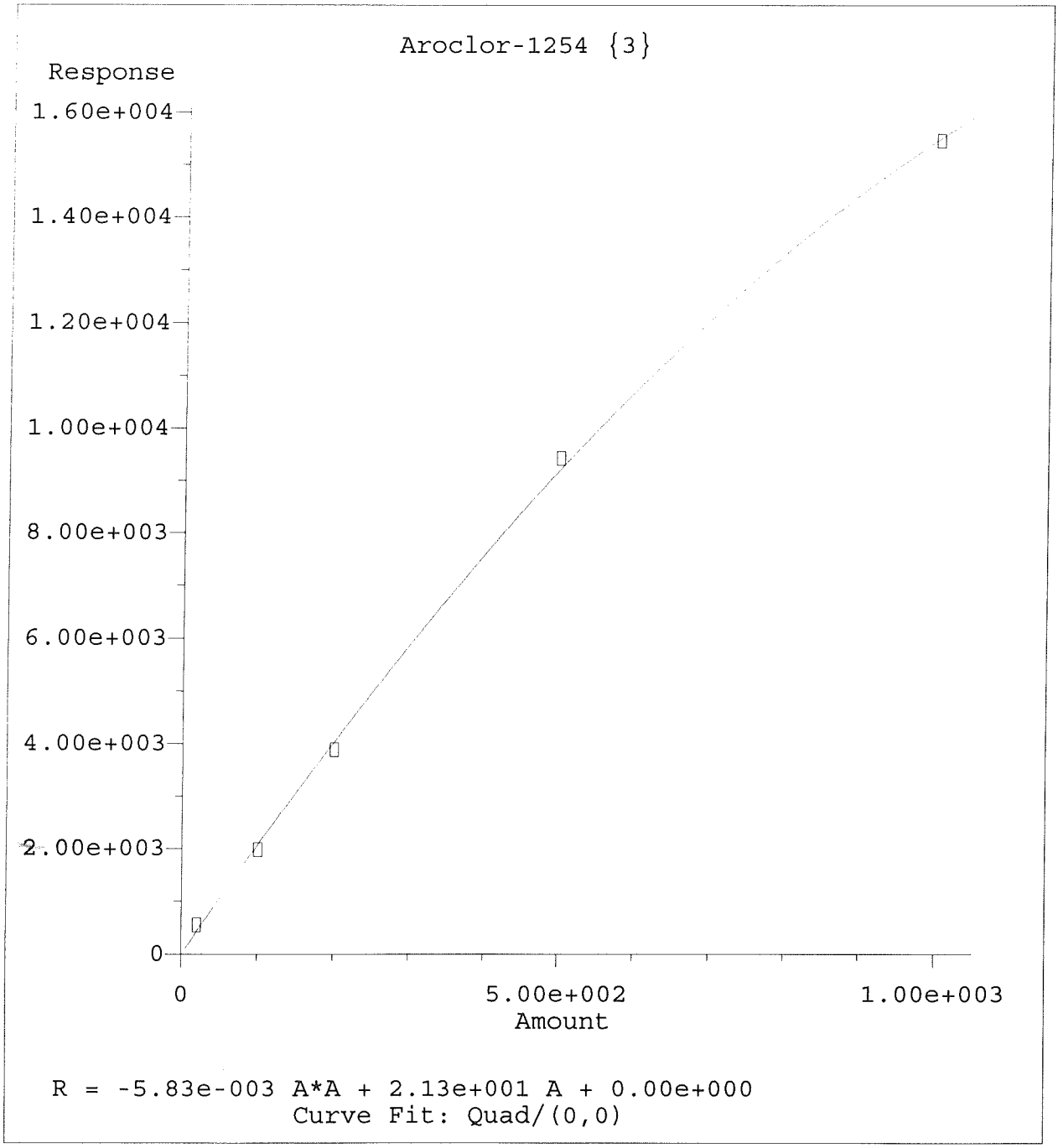
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



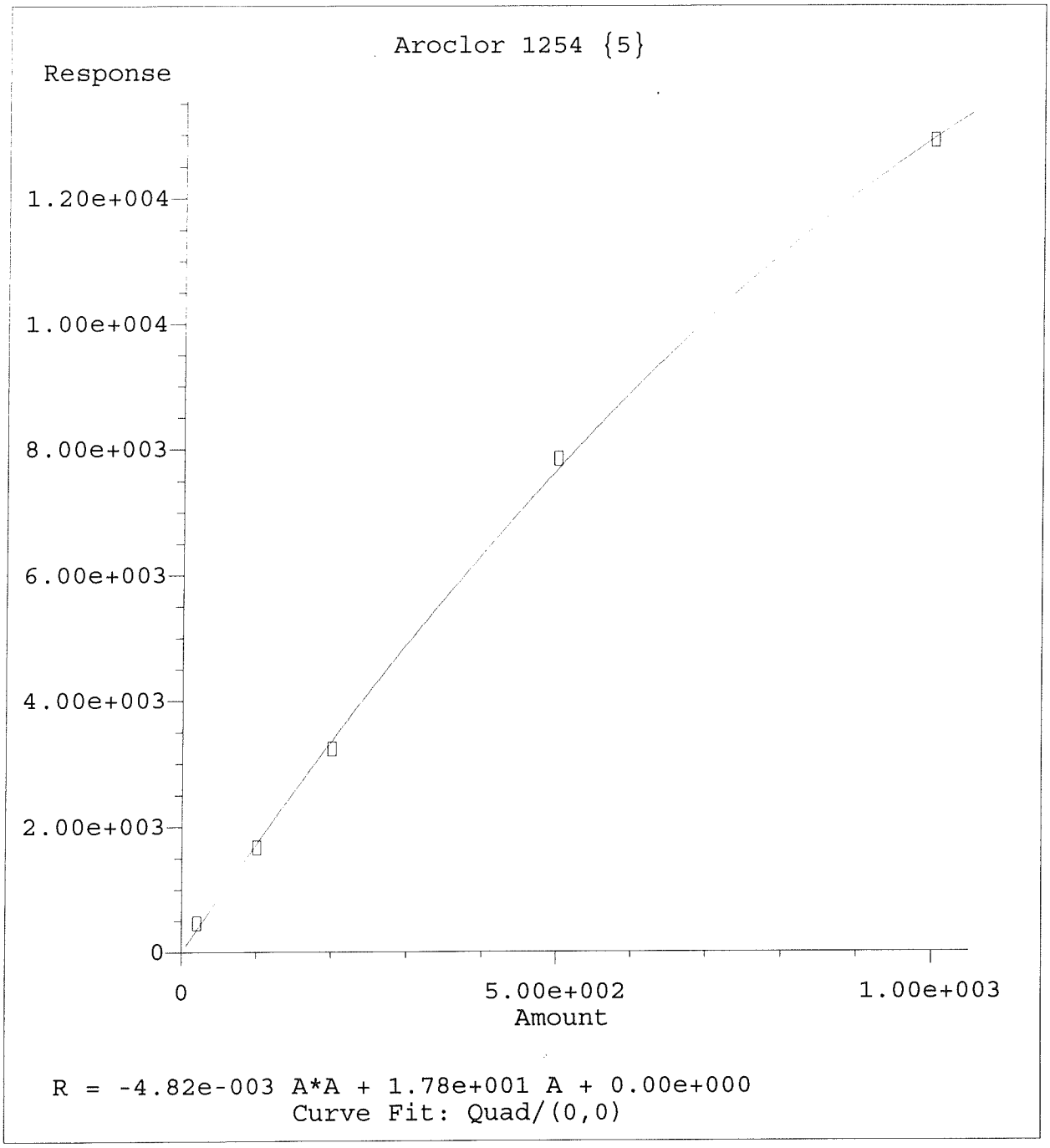
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



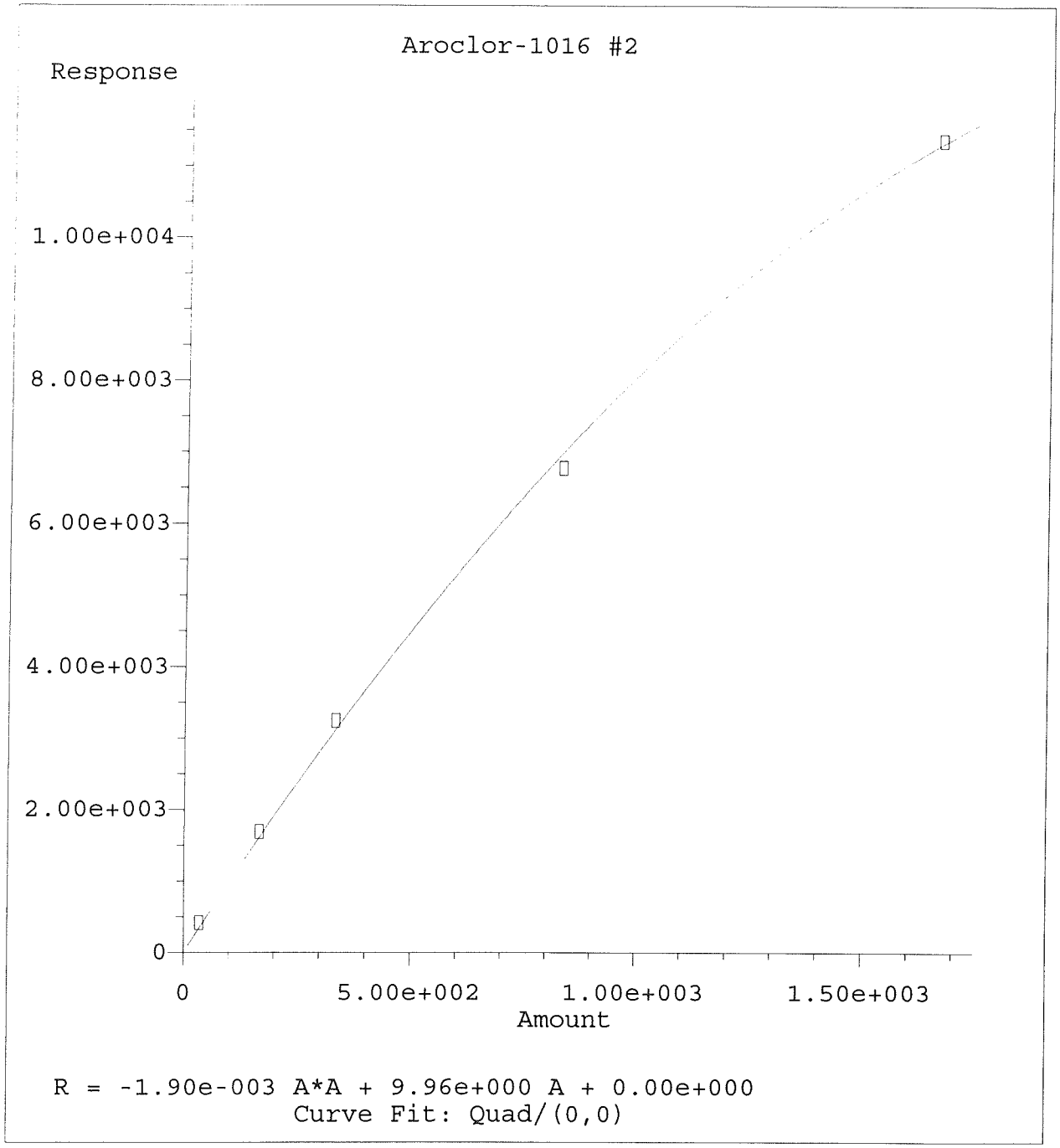
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



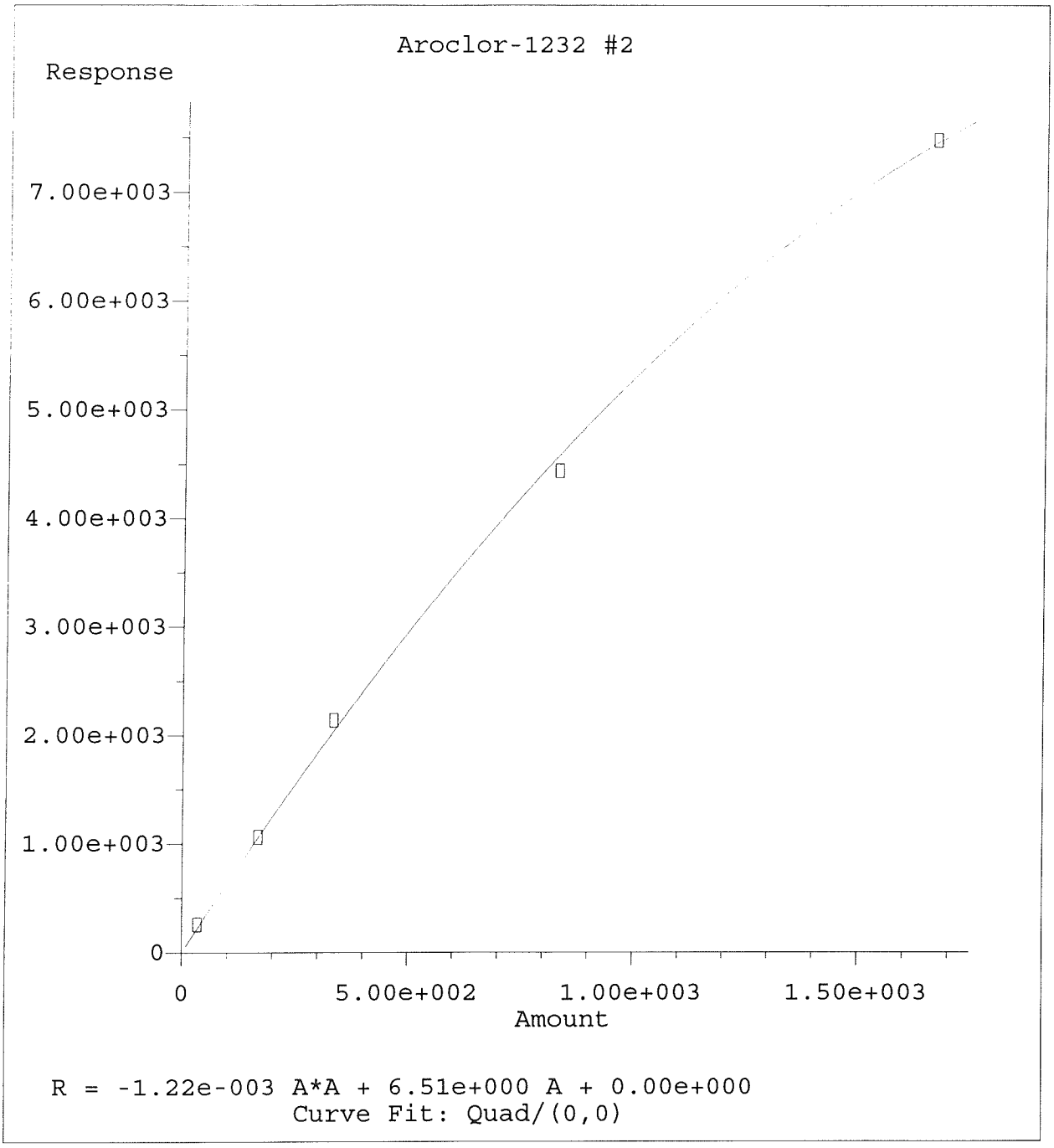
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



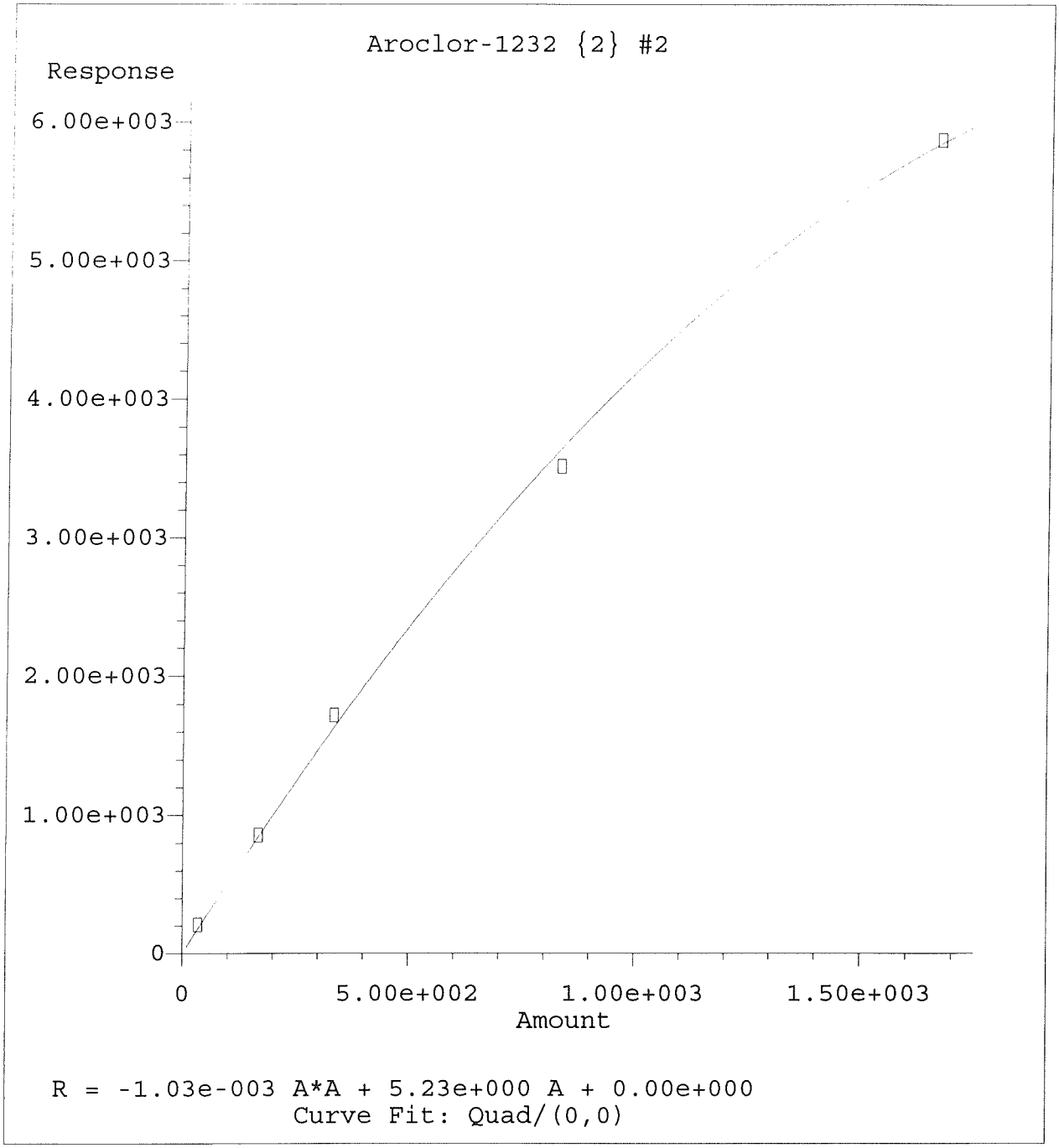
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



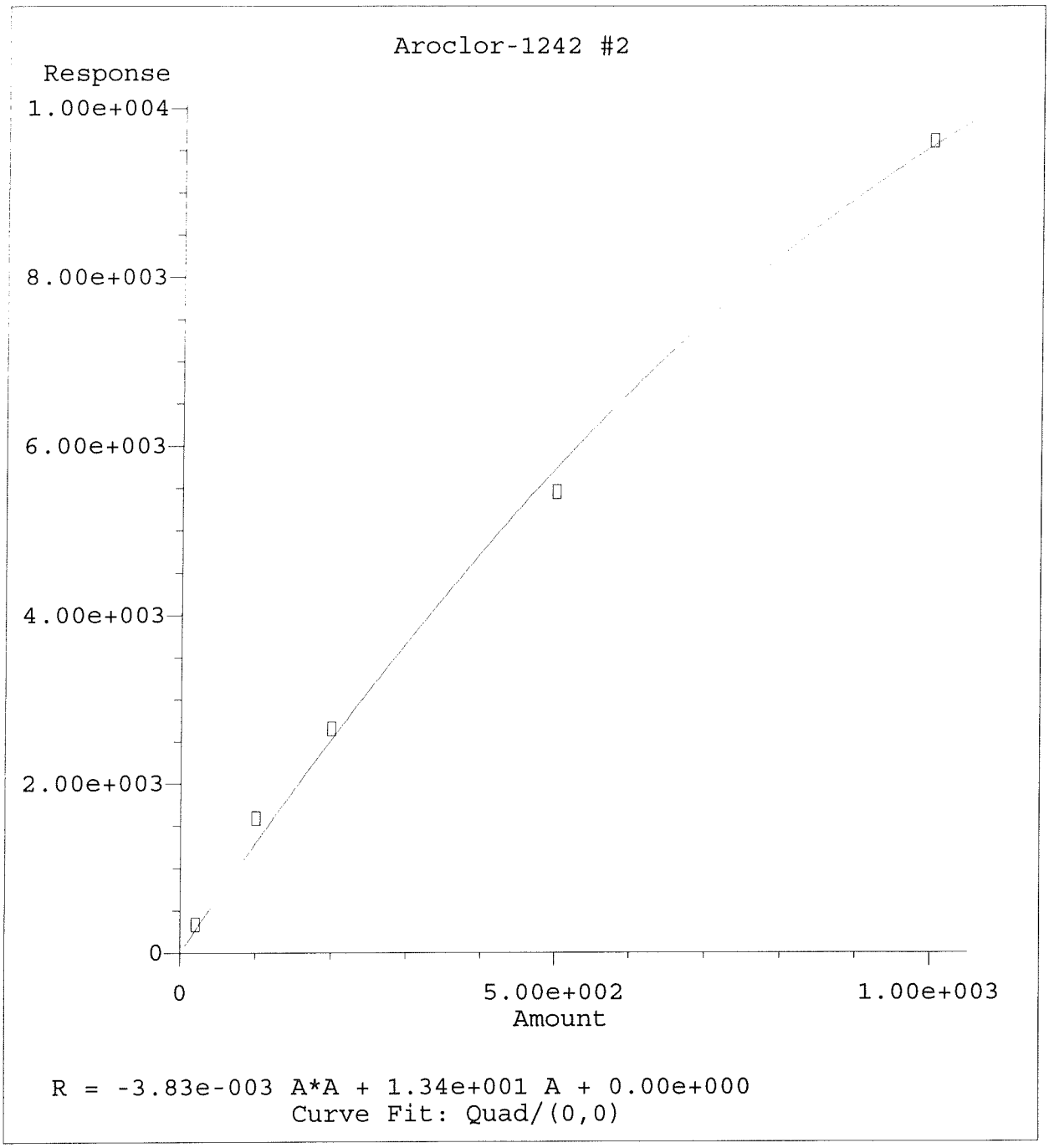
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



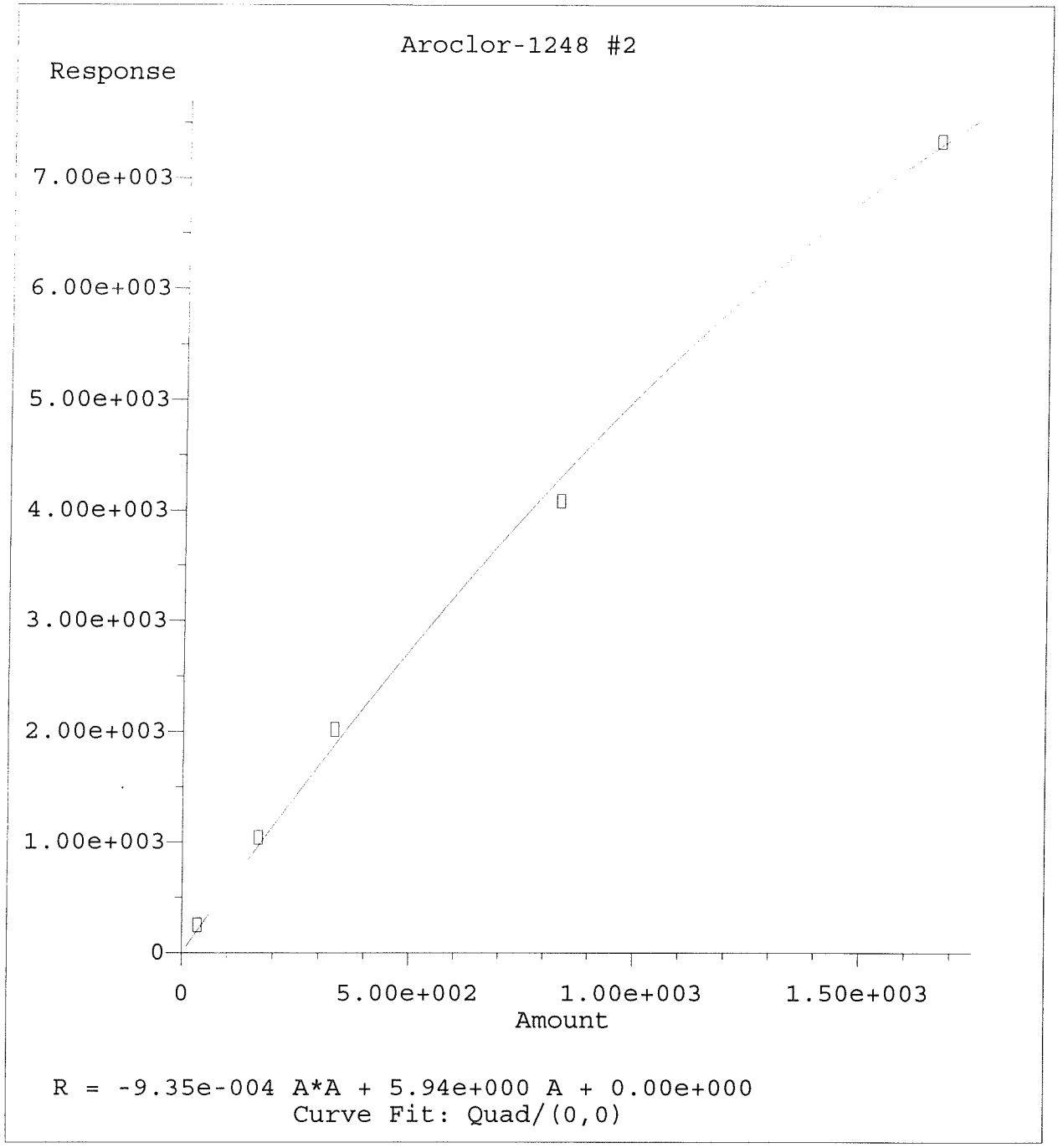
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



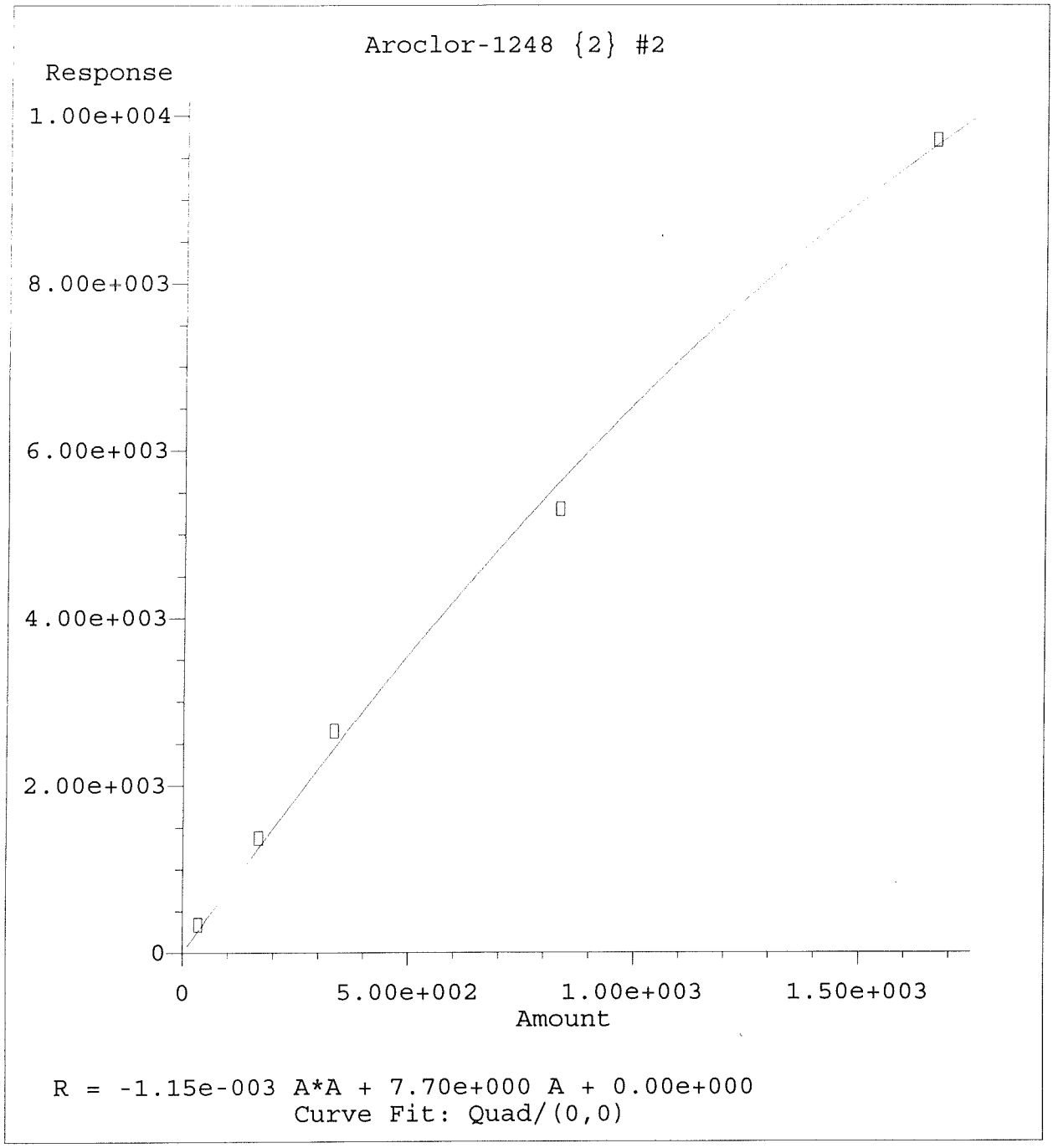
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



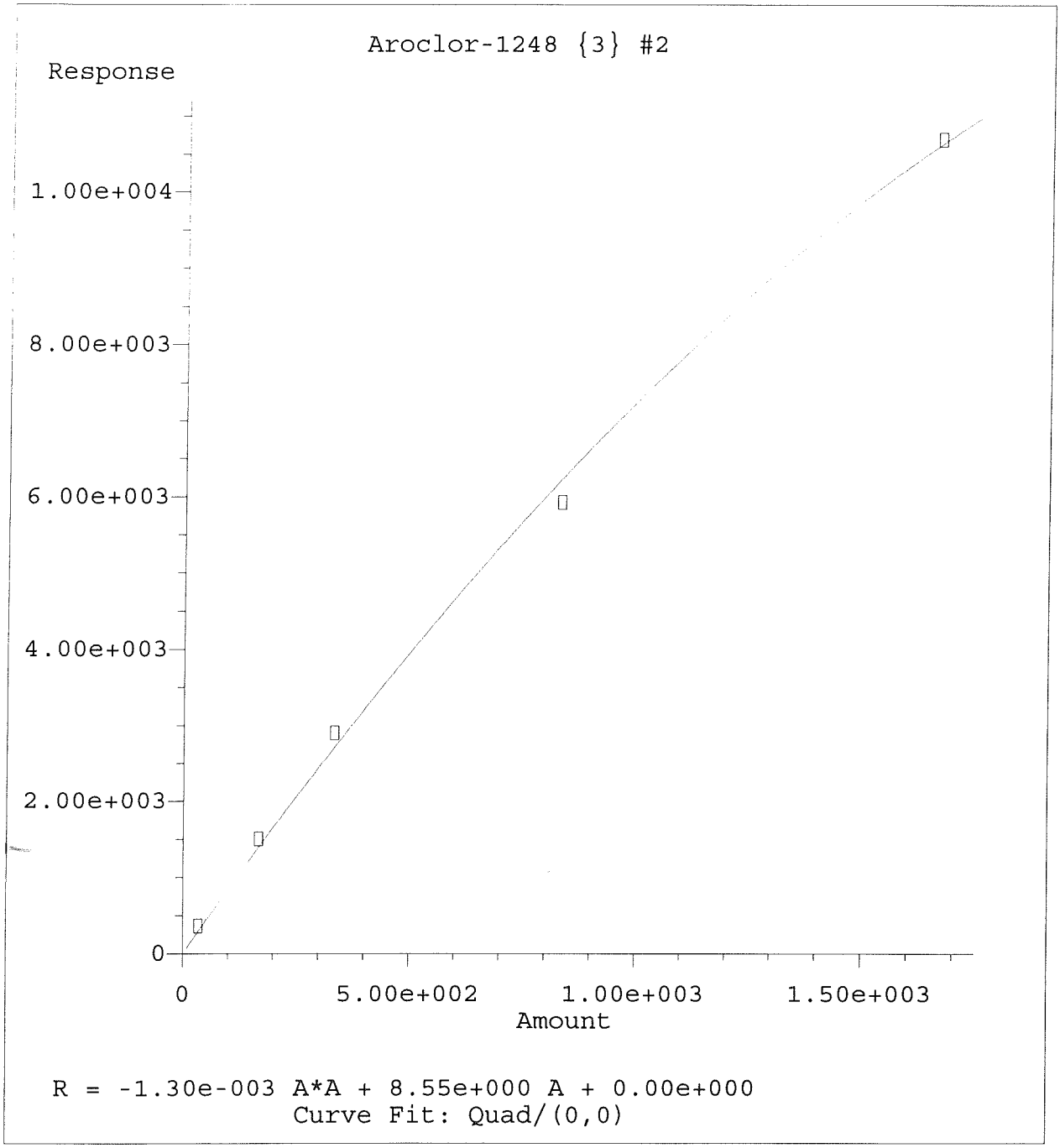
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



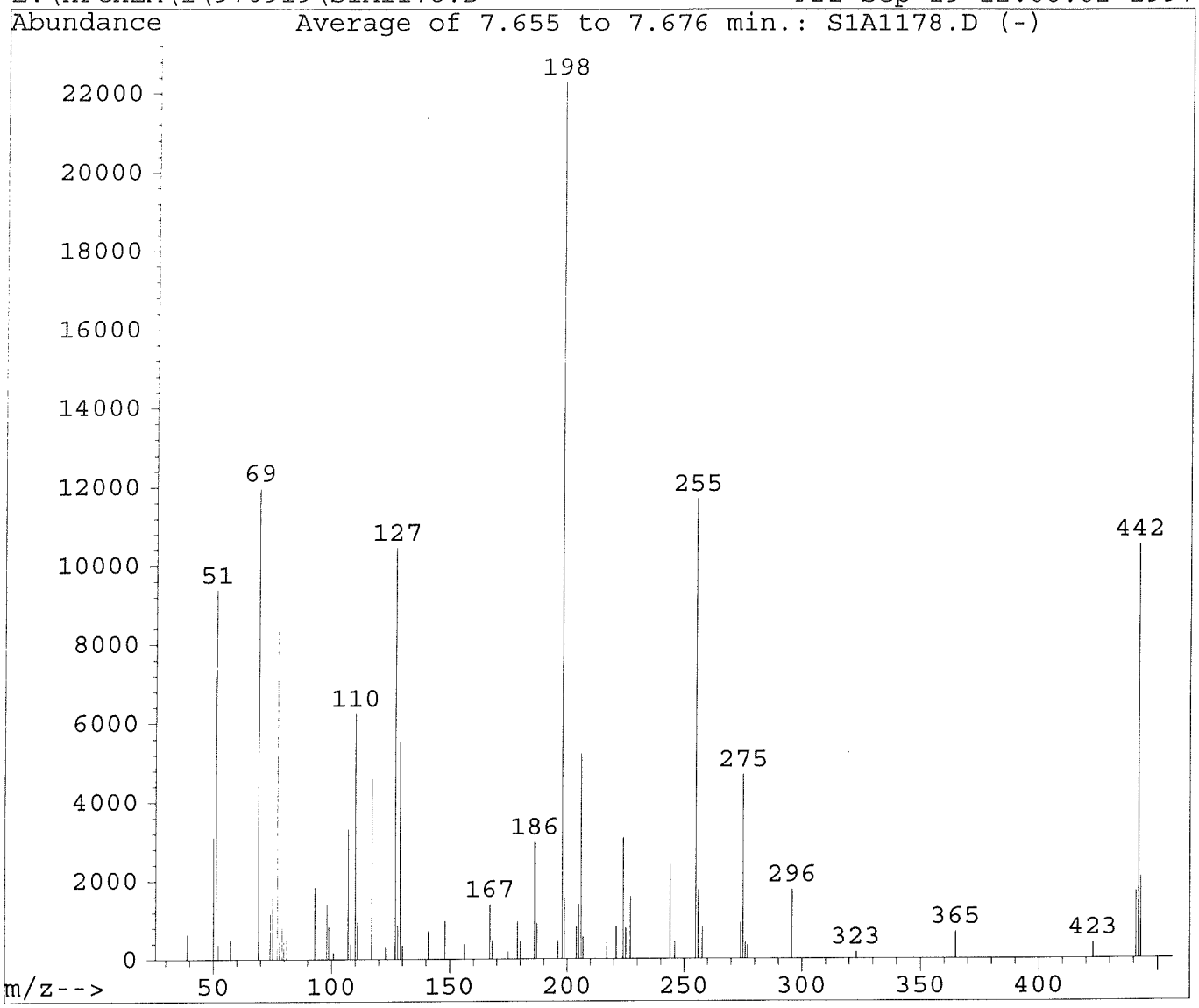
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997

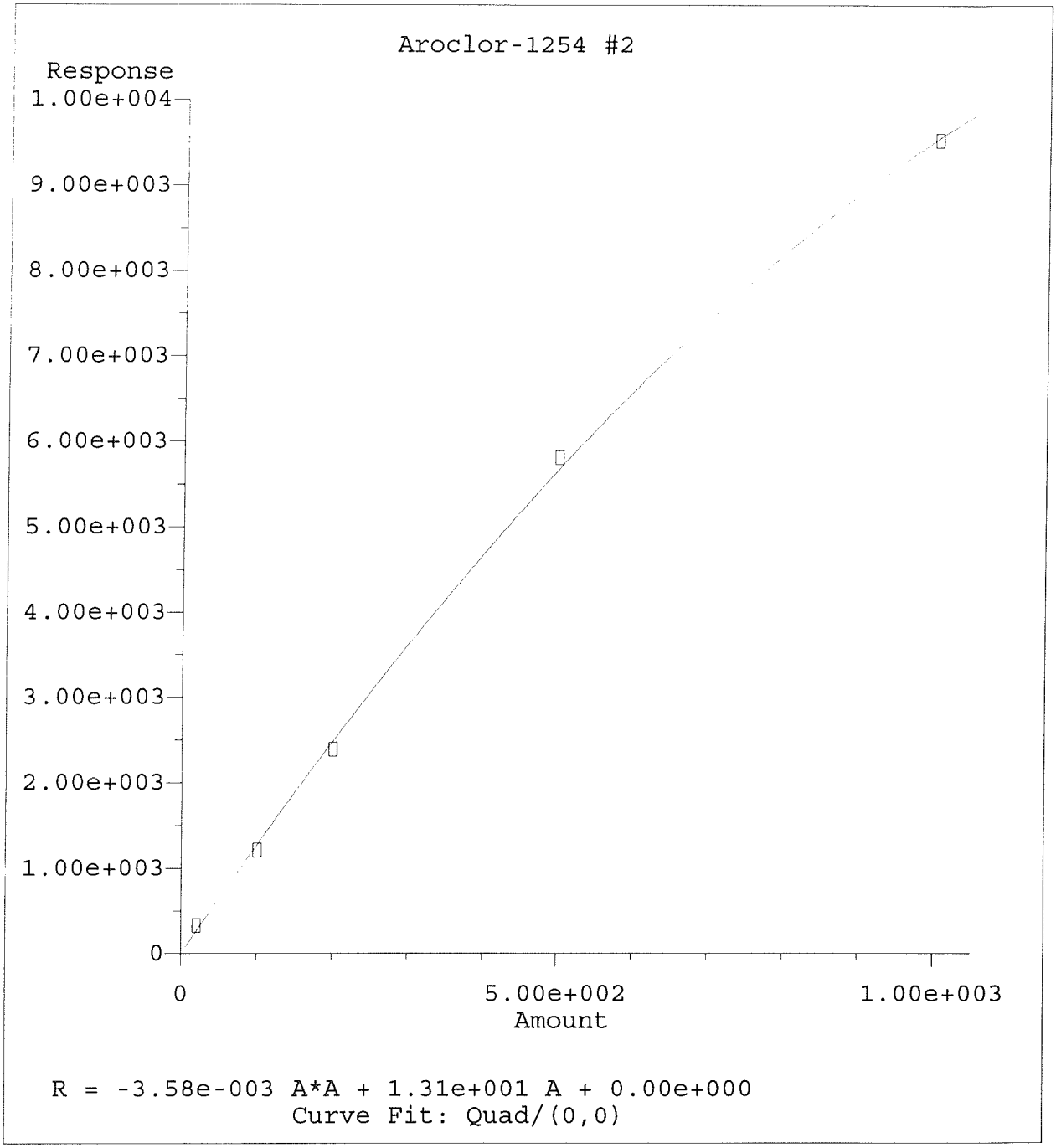
DFTPP 625 Results

E:\HPCHEM\1\970919\S1A1178.D Fri Sep 19 12:06:02 1997

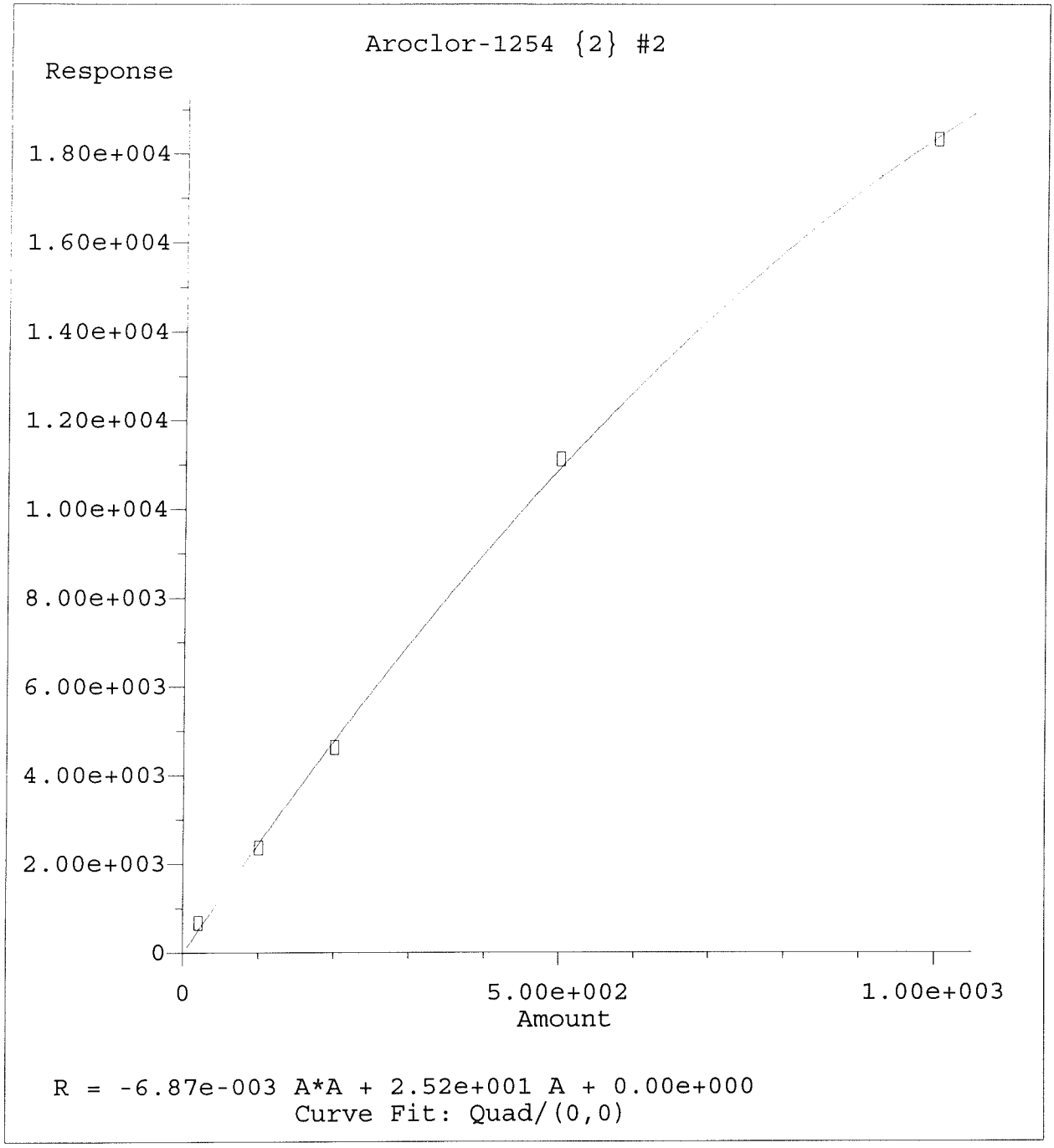


Peak Apex is scan: 337
Average of 3 scans: 336,337,338 minus background scan 332

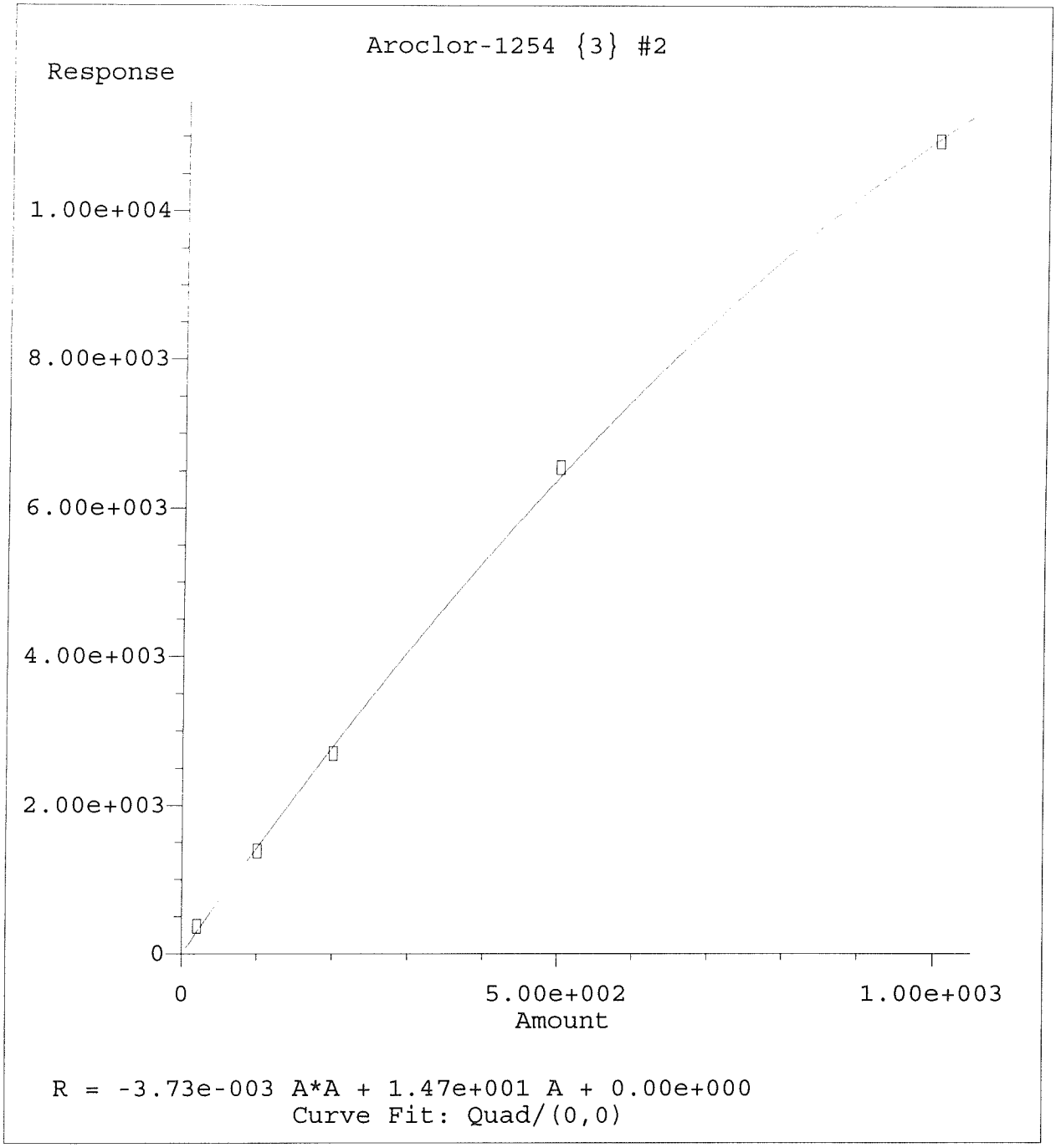
Target Mass	Comparison Mass	Lower Limit,%	Upper Limit,%	Relative Abundance,%	Result Pass/Fail
51	198	30	60	42.1	PASS
68	69	0	2	0.0	PASS
69	198	0	100	53.7	PASS
70	69	0	2	0.0	PASS
127	198	40	60	46.9	PASS
197	198	0	1	0.0	PASS
198	198	100	100	100.0	PASS
199	198	5	9	6.9	PASS
275	198	10	30	21.0	PASS
365	198	1	100	3.2	PASS
441	443	0	100	82.8	PASS
442	198	40	100	47.2	PASS
443	442	17	23	19.8	PASS



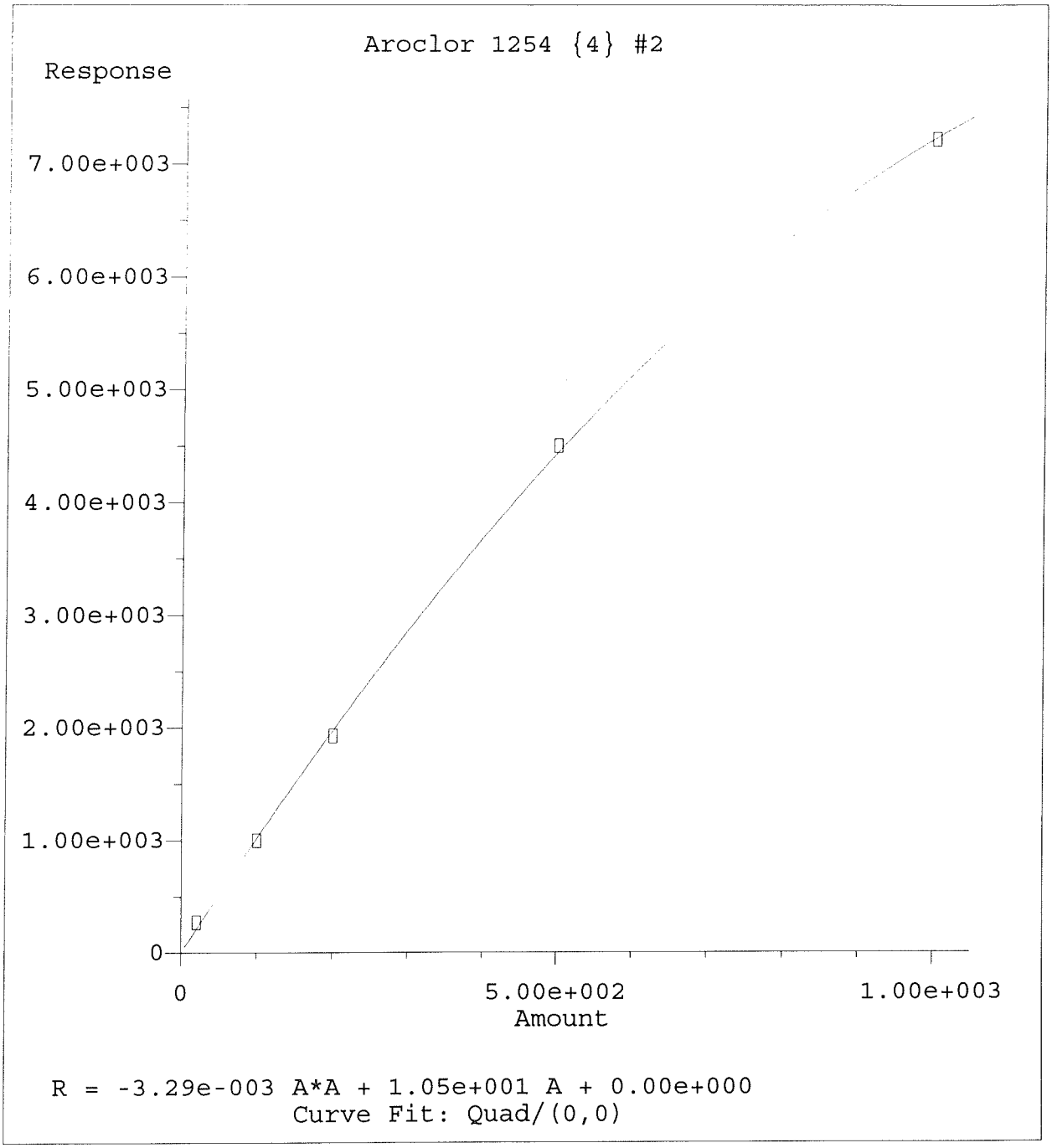
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



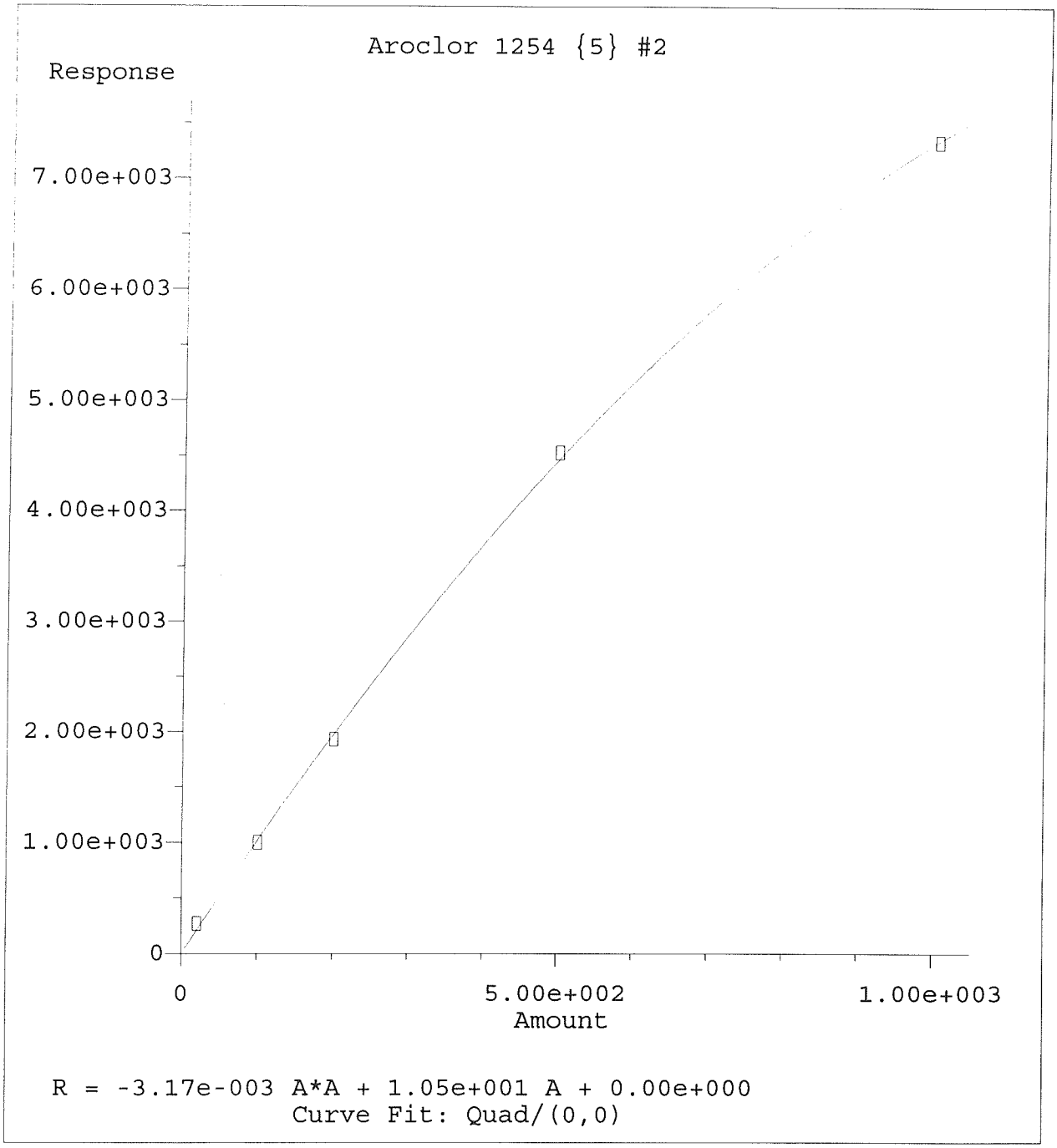
Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997



Method Name: C:\HPCHEM\5\METHODS\VHBPCB3A.M
Calibration Table Last Updated: Wed Sep 17 16:57:38 1997

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D\E3A0103R.D
Acq On : 16 Sep 97 10:17 AM Operator:
Sample : AR1221F5,AR1221F5,,ar1221.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	6.02	669049	467028	109.551	96.805
					Recovery	=	273.88%	242.01%
2)	S	Decachlorobiphenyl	19.40	27.37f	772457	570683	104.355	101.546
					Recovery	=	260.89%	253.87%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.d	N.D.d
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	3.13	5.26	7429	3874	1151.211	1176.823
29)	L2	Aroclor-1221 {2}	4.77	7.39	7589	4242	1302.625	1257.798

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D\E3A0103R.D
Acq On : 16 Sep 97 10:17 AM Operator:
Sample : AR1221F5,AR1221F5,,ar1221.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) L2 Aroclor-1221 {3}	5.30	8.06	18775	8840	1259.322	1229.981
Total Aroclor-1221			33793	16956	3713.158	3664.602
Average Aroclor-1221					1237.719	1221.534
31) L3 Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4 Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6 Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6 Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6 Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6 Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

123

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0103F.D\E3A0103R.D
Acq On : 16 Sep 97 10:17 AM Operator:
Sample : AR1221F5,AR1221F5,,ar1221.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
)0) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
)1) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
verage	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
verage	Toxaphene					0.000	0.000

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D\E3A0104R.D
Acq On : 16 Sep 97 10:55 AM Operator:
Sample : AR1221F4,AR1221F4,,ar1221.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	368319	264844	60.309	54.897
					Recovery	=	150.77%	137.24%
22)	S	Decachlorobiphenyl	19.40	27.37f	446458	335369	60.314	59.675
					Recovery	=	150.79%	149.19%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	3.13	5.26	4374	2337	677.783	709.807
29)	L2	Aroclor-1221 {2}	4.78	7.39	4341	2490	745.138	738.200

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0104F.D 8080PP3F.M Fri Sep 19 11:38:26 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D\E3A0104R.D
Acq On : 16 Sep 97 10:55 AM Operator:
Sample : AR1221F4,AR1221F4,,ar1221.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
0) L2	Aroclor-1221 {3}	5.31	8.07	10879	5207	729.695	724.579
Total	Aroclor-1221			19594	10034	2152.616	2172.587
Average	Aroclor-1221					717.539	724.196
1) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
4) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
5) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
7) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
8) 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
9) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
1) 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
2) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
5) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
6) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
9) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0104F.D 8080PP3F.M Fri Sep 19 11:38:29 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D\E3A0104R.D
Acq On : 16 Sep 97 10:55 AM Operator:
Sample : AR1221F4,AR1221F4,,ar1221.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

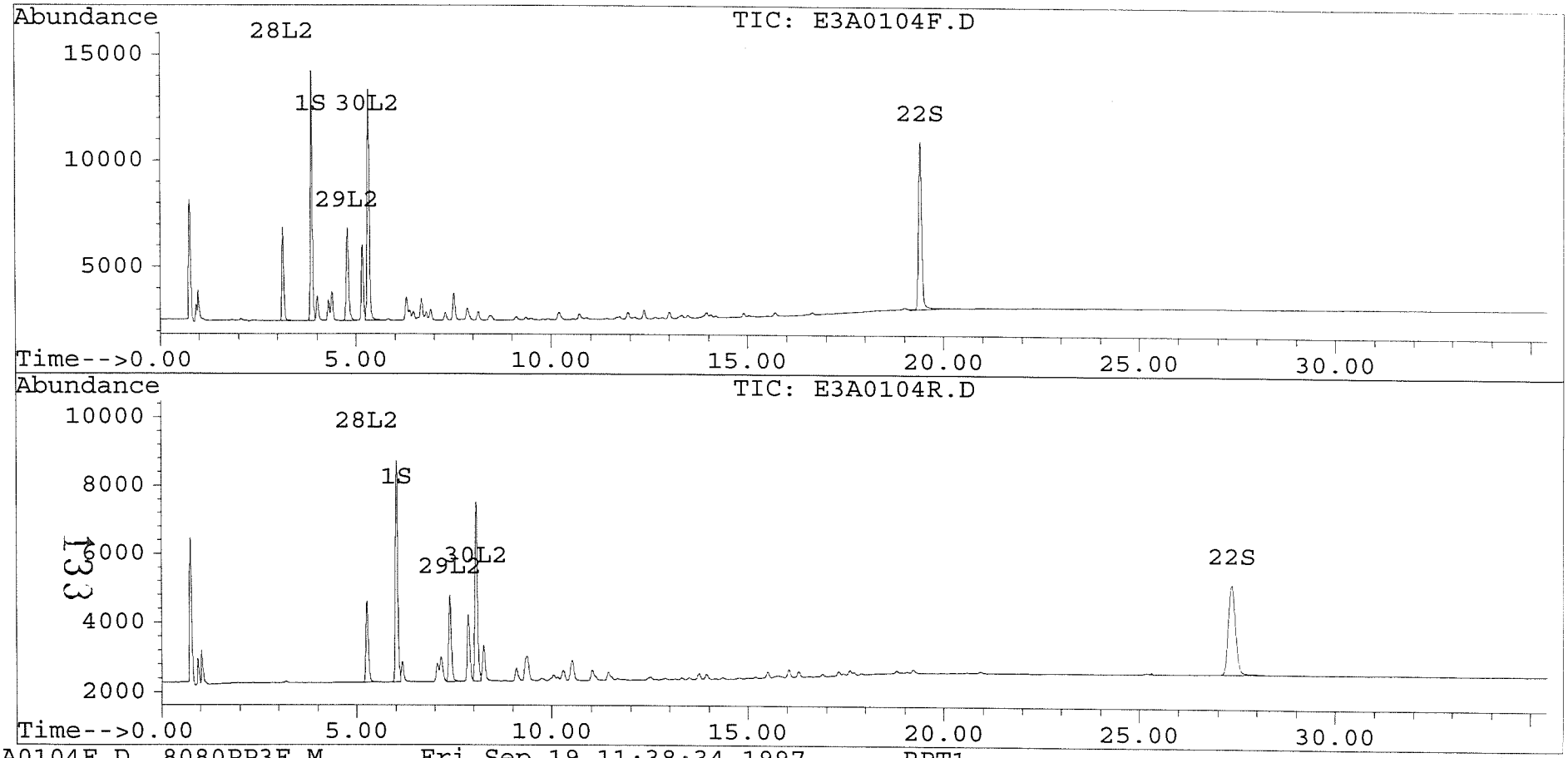
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0104F.D\E3A0104R.D
Acq On : 16 Sep 97 10:55 AM Operator:
Sample : AR1221F4,AR1221F4,,ar1221.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:22 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



133

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D\E3A0105R.D
Acq On : 16 Sep 97 11:33 AM Operator:
Sample : AR1221F3,AR1221F3,,ar1221.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:23 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	155802	116322	25.511	24.111
					Recovery	=	63.78%	60.28%
22)	S	Decachlorobiphenyl	19.40	27.37f	196926	148641	26.604	26.449
					Recovery	=	66.51%	66.12%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	3.13	5.26	2144	1097	332.241	333.365
29)	L2	Aroclor-1221 {2}	4.77	7.39	1942	1124	333.333	333.333

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D\E3A0105R.D
Acq On : 16 Sep 97 11:33 AM Operator:
Sample : AR1221F3,AR1221F3,,ar1221.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:23 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) L2	Aroclor-1221 {3}	5.30	8.07	4970	2395	333.333	333.318
Total	Aroclor-1221			9056	4617	998.907	1000.016
Average	Aroclor-1221					332.969	333.339
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0105F.D 8080PP3F.M Fri Sep 19 11:38:52 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D\E3A0105R.D
Acq On : 16 Sep 97 11:33 AM Operator:
Sample : AR1221F3,AR1221F3,,ar1221.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:23 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

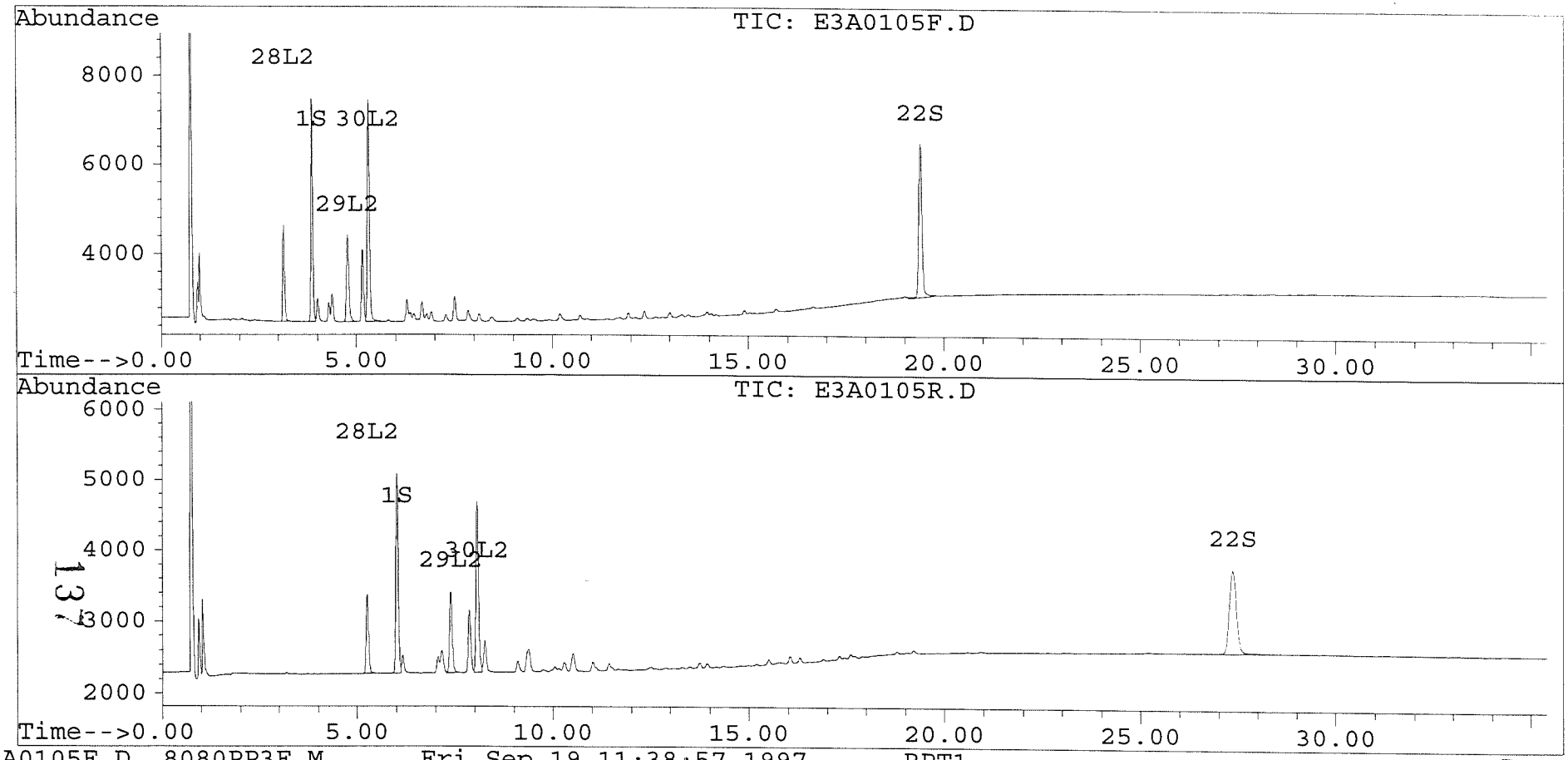
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0105F.D\E3A0105R.D
Acq On : 16 Sep 97 11:33 AM Operator:
Sample : AR1221F3,AR1221F3,,ar1221.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:23 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0106F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0106F.D\E3A0106R.D
Acq On : 16 Sep 97 12:12 PM Operator:
Sample : AR1221F2,AR1221F2,,ar1221.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:24 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

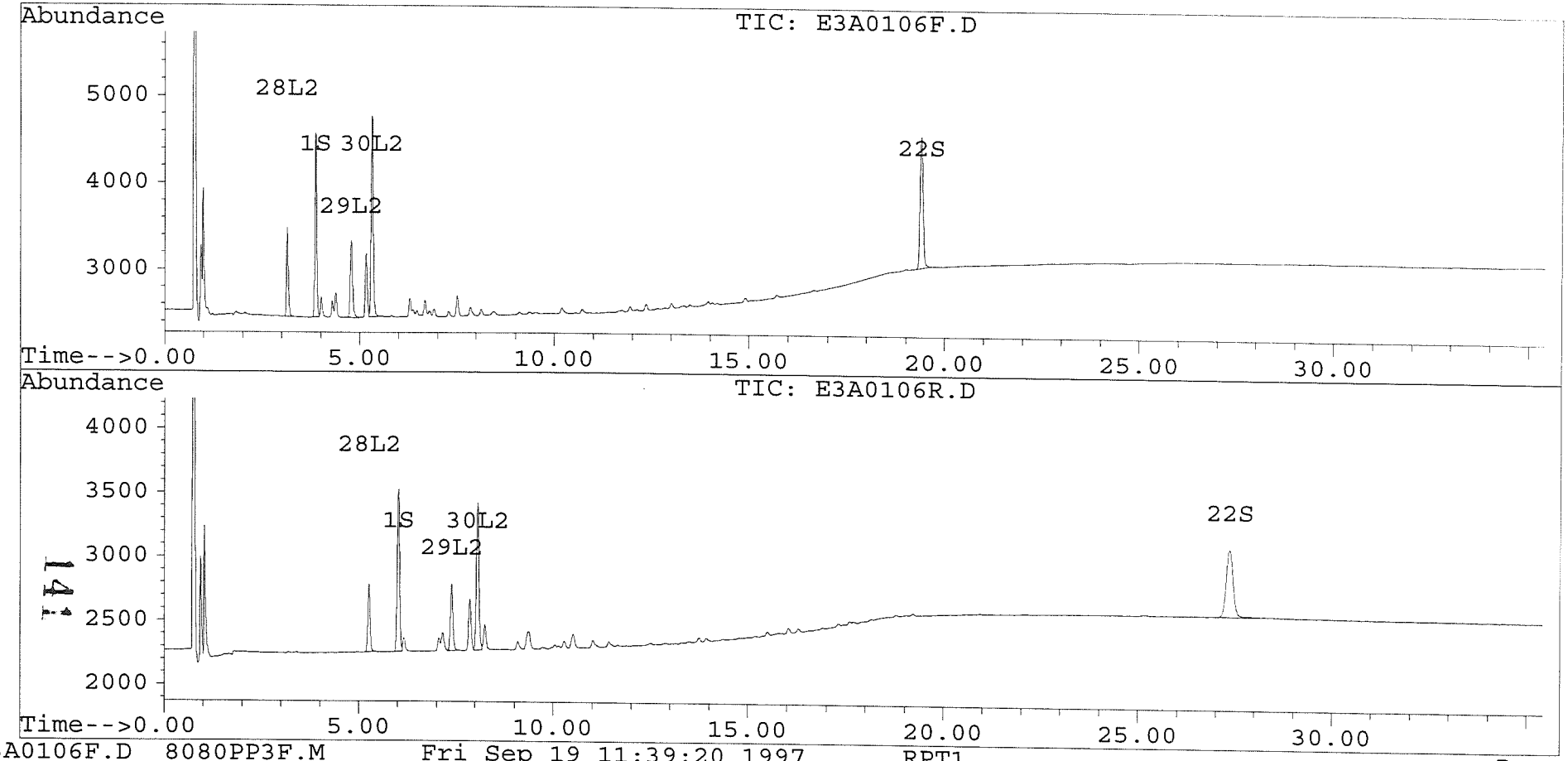
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0106F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0106F.D\E3A0106R.D
Acq On : 16 Sep 97 12:12 PM Operator:
Sample : AR1221F2,AR1221F2,,ar1221.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:24 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0107F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D\E3A0107R.D
Acq On : 16 Sep 97 12:50 PM Operator:
Sample : AR1221F1,AR1221F1,,ar1221.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	17571	13597	2.877	2.818
					Recovery	=	7.19%	7.05%
22)	S	Decachlorobiphenyl	19.40	27.37f	20926	16077	2.827m	2.861
					Recovery	=	7.07%	7.15%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	3.14	5.26	511	249	79.221	75.647
29)	L2	Aroclor-1221 {2}	4.78	7.40	427	243	73.354	72.070

142

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D\E3A0107R.D
Acq On : 16 Sep 97 12:50 PM Operator:
Sample : AR1221F1,AR1221F1,,ar1221.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) L2	Aroclor-1221 {3}	5.31	8.07	1134	551	76.079	76.615
Total	Aroclor-1221			2073	1043	228.654	224.331
Average	Aroclor-1221					76.218	74.777
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0107F.D 8080PP3F.M Fri Sep 19 11:39:41 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D\E3A0107R.D
Acq On : 16 Sep 97 12:50 PM Operator:
Sample : AR1221F1,AR1221F1,,ar1221.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

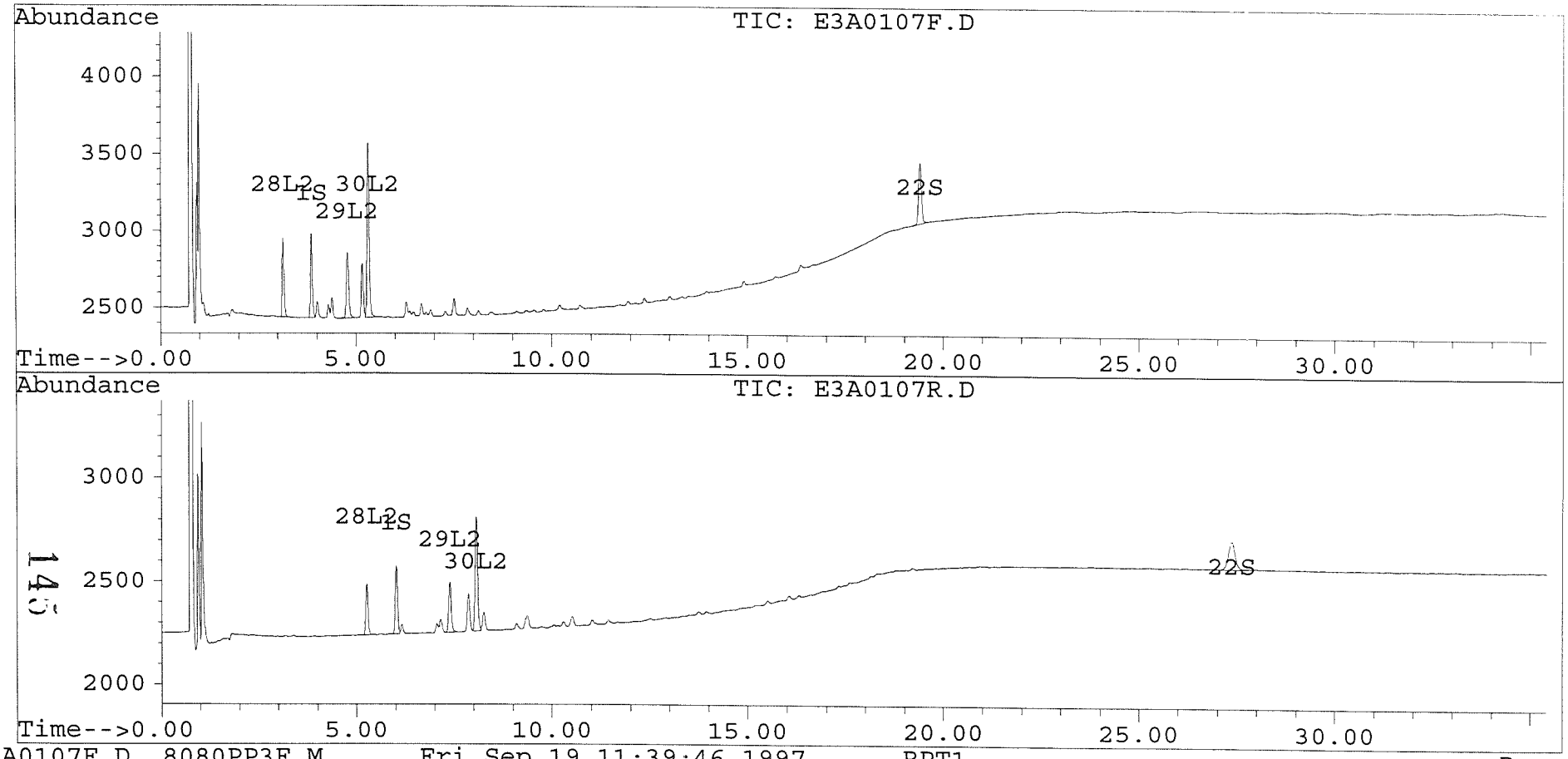
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0107F.D\E3A0107R.D
Acq On : 16 Sep 97 12:50 PM Operator:
Sample : AR1221F1,AR1221F1,,ar1221.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0108F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0108F.D\E3A0108R.D
Acq On : 16 Sep 97 01:28 PM Operator:
Sample : AR1232F5,AR1232F5,,ar1232.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:25 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

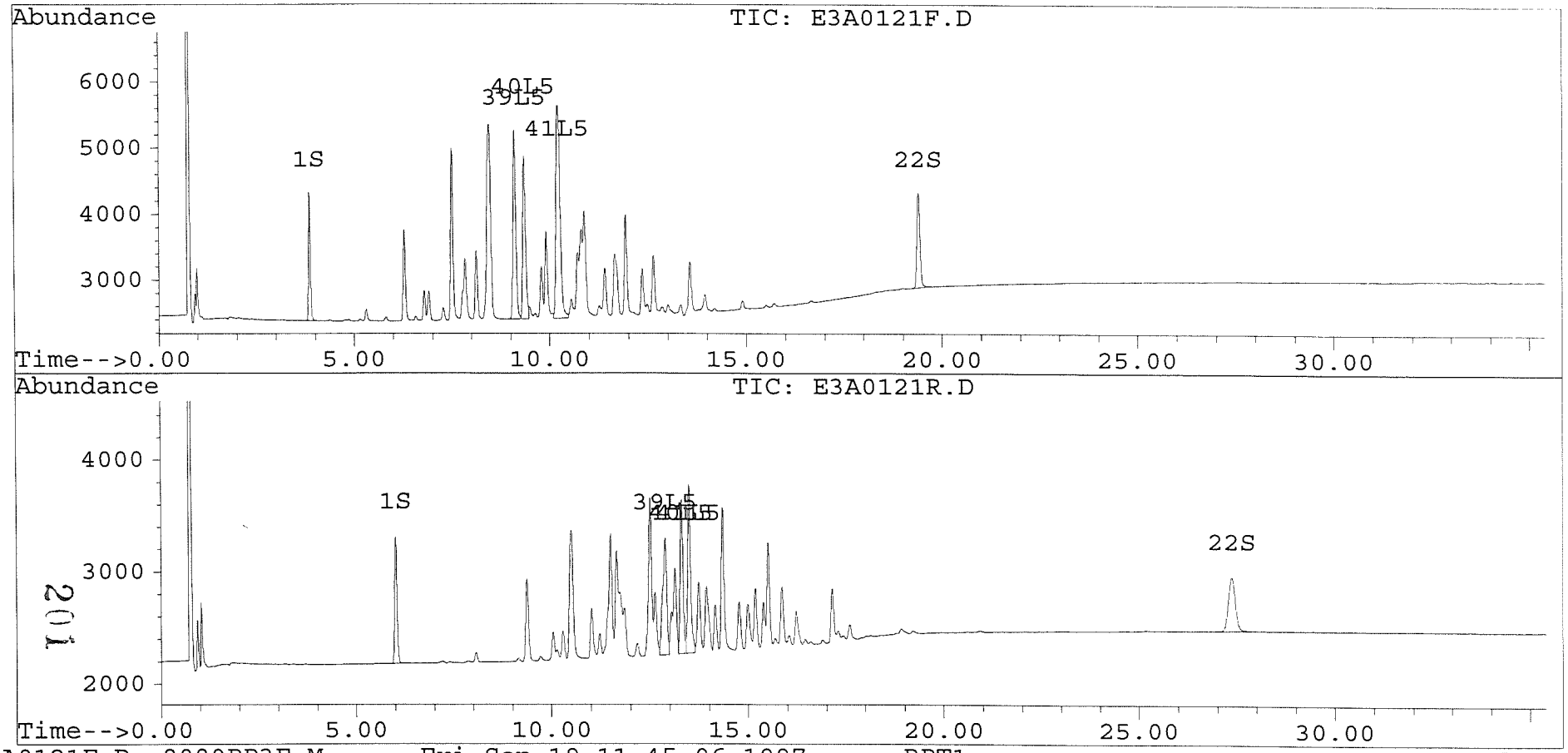
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	3.86	6.02	669134	464865	109.565	96.357
					Recovery	=	273.91%	240.89%
22)	S	Decachlorobiphenyl	19.40	27.36	831122	582224	112.280	103.600
					Recovery	=	280.70%	259.00%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0108F.D 8080PP3F.M Fri Sep 19 11:40:00 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0121F.D\E3A0121R.D
Acq On : 16 Sep 97 09:44 PM Operator:
Sample : AR1248F2,AR1248F2,,ar1248.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:32 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0122F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D\E3A0122R.D
Acq On : 16 Sep 97 10:22 PM Operator:
Sample : AR1248F1,AR1248F1,,ar1248.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:33 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	14031	10691	2.297	2.216
					Recovery	=	5.74%	5.54%
22)	S	Decachlorobiphenyl	19.39	27.36	18219	13054	2.461m	2.323
					Recovery	=	6.15%	5.81%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

202

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D\E3A0122R.D
Acq On : 16 Sep 97 10:22 PM Operator:
Sample : AR1248F1,AR1248F1,,ar1248.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:33 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	9.10	12.89	726	251	44.356	41.462
40) L5	Aroclor-1248 {2}	9.35	13.30	615	338	42.519	42.540
41) L5	Aroclor-1248 {3}	10.21	13.49	815	367	43.082	42.143
Total	Aroclor-1248			2156	956	129.956	126.145
Average	Aroclor-1248					43.319	42.048
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

203

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D\E3A0122R.D
Acq On : 16 Sep 97 10:22 PM Operator:
Sample : AR1248F1,AR1248F1,,ar1248.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:33 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

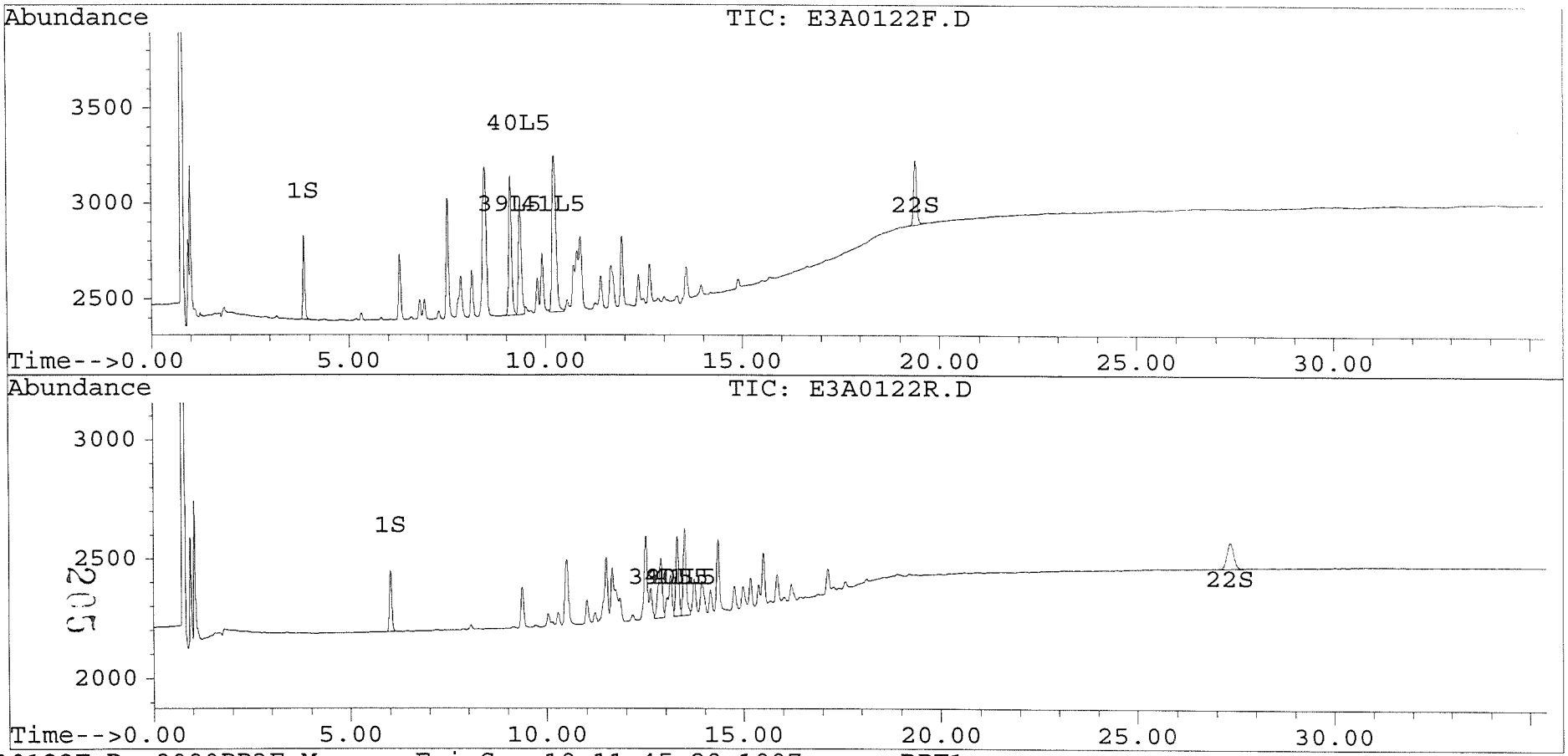
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0122F.D\E3A0122R.D
Acq On : 16 Sep 97 10:22 PM Operator:
Sample : AR1248F1,AR1248F1,,ar1248.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:33 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0123F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D\E3A0123R.D
Acq On : 16 Sep 97 11:00 PM Operator:
Sample : AR1254F5,AR1254F5,,ar1254.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	532068	364977	87.121	75.652
					Recovery	=	217.80%	189.13%
22)	S	Decachlorobiphenyl	19.39	27.35	626110	460310	84.584	81.906
					Recovery	=	211.46%	204.77%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

206

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D\E3A0123R.D
Acq On : 16 Sep 97 11:00 PM Operator:
Sample : AR1254F5,AR1254F5,,ar1254.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	11.65	15.18	17436	9527	847.154	796.727
43) L6	Aroclor-1254 {2}	11.93	15.51	33595	18336	839.576	793.086
44) L6	Aroclor-1254 {3}	12.35	15.86	15462	10939	795.782	811.114
45) L6	Aroclor 1254 {4}	12.63	16.04	19786	7218	857.870	748.844
46) L6	Aroclor 1254 {5}	13.00	16.29	12914	7333	797.830	759.771
Total	Aroclor-1254			99193	53354	4138.212	3909.542
Average	Aroclor-1254					827.642	781.908
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

207

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D\E3A0123R.D
Acq On : 16 Sep 97 11:00 PM Operator:
Sample : AR1254F5,AR1254F5,,ar1254.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

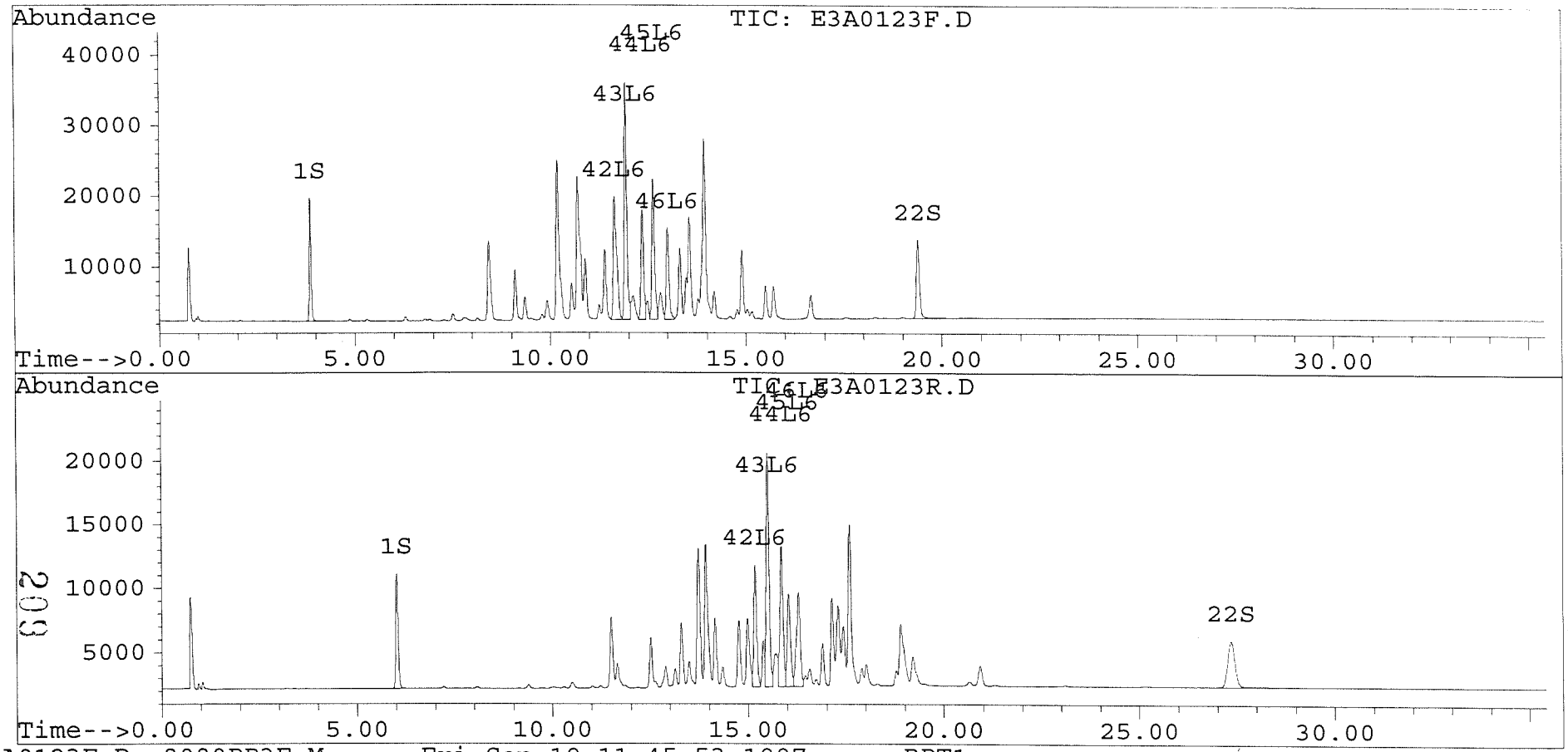
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

208

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0123F.D\E3A0123R.D
Acq On : 16 Sep 97 11:00 PM Operator:
Sample : AR1254F5,AR1254F5,,ar1254.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0124F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D\E3A0124R.D
Acq On : 16 Sep 97 11:39 PM Operator:
Sample : AR1254F4,AR1254F4,,ar1254.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	304267	215303	49.821	44.628
					Recovery	=	124.55%	111.57%
22)	S	Decachlorobiphenyl	19.40	27.36	367748	276210	49.681	49.148
					Recovery	=	124.20%	122.87%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.d	N.D.d
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D\E3A0124R.D
Acq On : 16 Sep 97 11:39 PM Operator:
Sample : AR1254F4,AR1254F4,,ar1254.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	11.65	15.18	10367	5807	503.705	485.597
43) L6	Aroclor-1254 {2}	11.94	15.51	19830	11116	495.588	480.818
44) L6	Aroclor-1254 {3}	12.35	15.86	9420	6545	484.826	485.255
45) L6	Aroclor 1254 {4}	12.63	16.04	11819	4498	512.457	466.682
46) L6	Aroclor 1254 {5}	13.00	16.29	7849	4526	484.895	468.911
Total	Aroclor-1254			59286	32492	2481.470	2387.262
Average	Aroclor-1254					496.294	477.452
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

211

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D\E3A0124R.D
Acq On : 16 Sep 97 11:39 PM Operator:
Sample : AR1254F4,AR1254F4,,ar1254.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

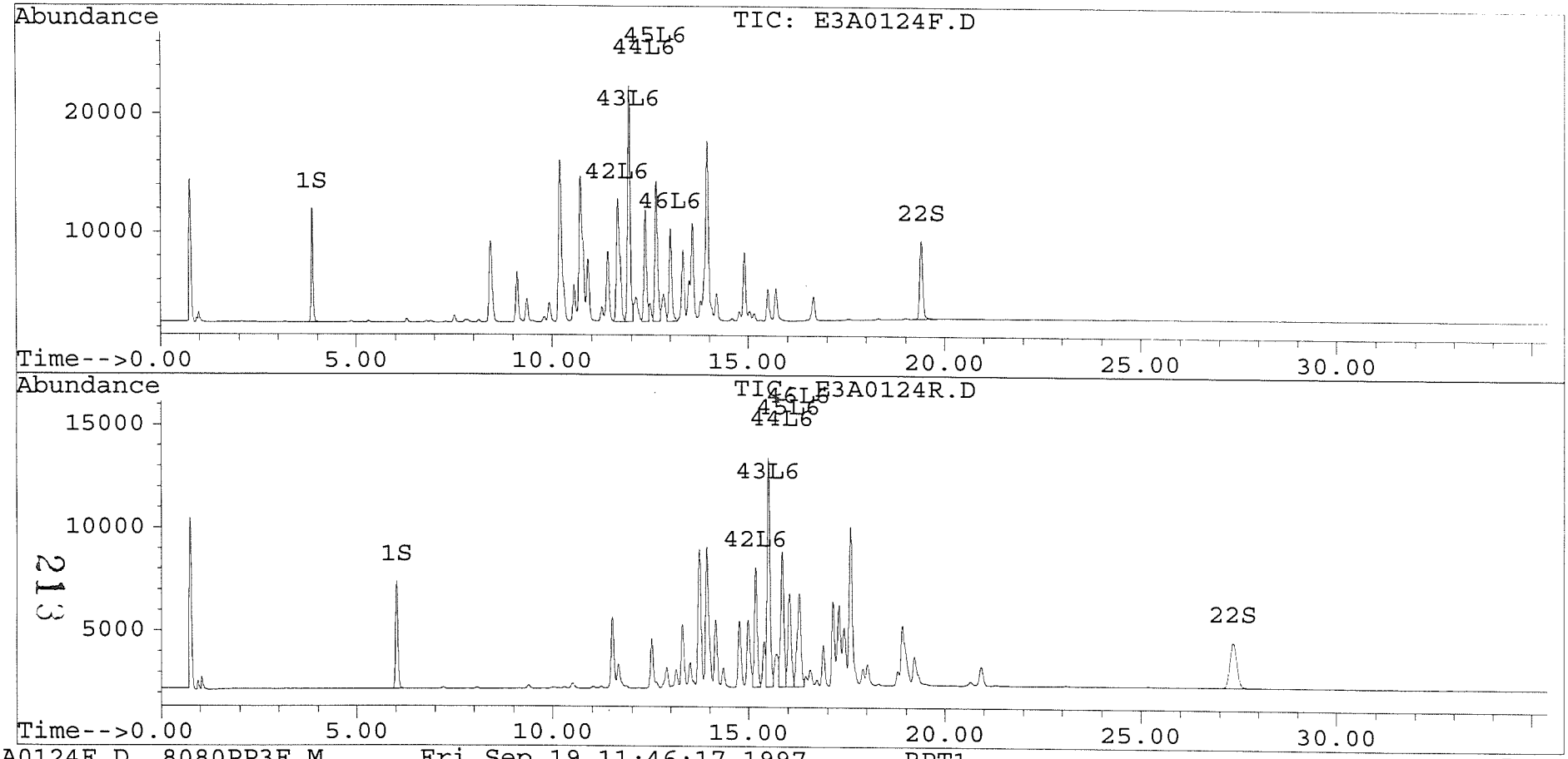
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

212

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0124F.D\E3A0124R.D
Acq On : 16 Sep 97 11:39 PM Operator:
Sample : AR1254F4,AR1254F4,,ar1254.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:35 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



213

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D\E3A0125R.D
Acq On : 17 Sep 97 00:17 AM Operator:
Sample : AR1254F3,AR1254F3,,ar1254.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:02 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	118440	87992	20.429	19.321
					Recovery	=	51.07%	48.30%
22)	S	Decachlorobiphenyl	19.39	27.37	144609	109531	20.887m	20.530
					Recovery	=	52.22%	51.33%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0125F.D 8080PP3F.M Fri Sep 19 11:46:31 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D\E3A0125R.D
Acq On : 17 Sep 97 00:17 AM Operator:
Sample : AR1254F3,AR1254F3,,ar1254.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:02 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	~11.64	15.18	4116	2392	43.274	28.950 #
43) L6	Aroclor-1254 {2}	~11.93	15.50	8003	4624	114.632	48.964 #
44) L6	Aroclor-1254 {3}	12.35	15.86	3886	2697	23.692	20.476
45) L6	Aroclor 1254 {4}	~12.63	16.04	4613	1928	NoCal	141749.443
46) L6	Aroclor 1254 {5}	12.99	16.29	3237	1930	NoCal	141940.849
Total	Aroclor-1254			16005	13571	181.597	283788.682
Average	Aroclor-1254					60.532	56757.736
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D\E3A0125R.D
Acq On : 17 Sep 97 00:17 AM Operator:
Sample : AR1254F3,AR1254F3,,ar1254.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:02 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

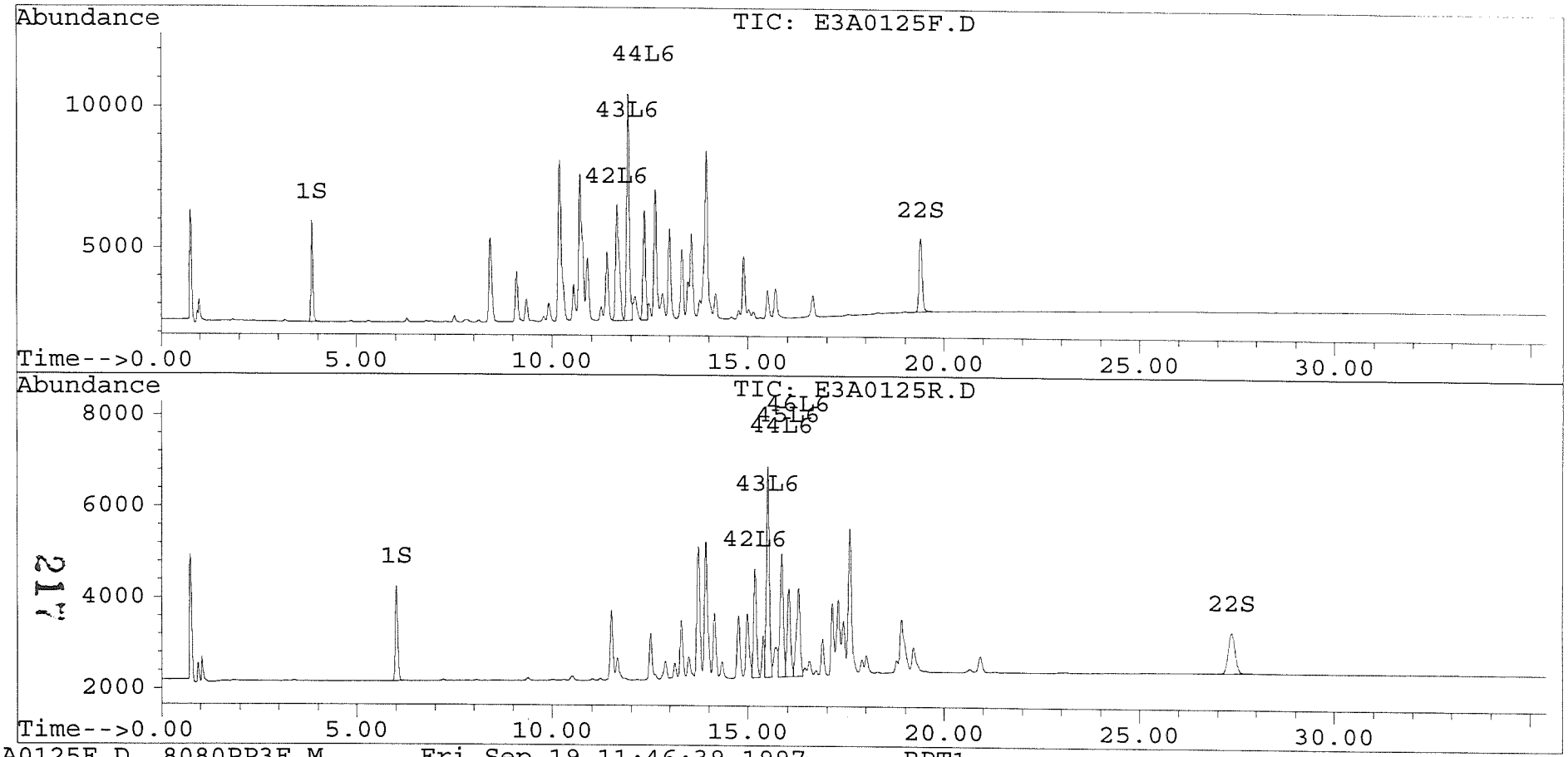
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0125F.D\E3A0125R.D
Acq On : 17 Sep 97 00:17 AM Operator:
Sample : AR1254F3,AR1254F3,,ar1254.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:02 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970916\E3A0126F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D\E3A0126R.D
Acq On : 17 Sep 97 00:54 AM Operator:
Sample : AR1254F2,AR1254F2,,ar1254.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:36 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	57841	43671	9.471	9.052
					Recovery	=	23.68%	22.63%
22)	S	Decachlorobiphenyl	19.39	27.35	70600	53218	9.538m	9.469
					Recovery	=	23.85%	23.67%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D\E3A0126R.D
Acq On : 17 Sep 97 00:54 AM Operator:
Sample : AR1254F2,AR1254F2,,ar1254.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:36 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	11.65	15.18	2045	1212	99.351	101.336
43) L6	Aroclor-1254 {2}	11.93	15.51	4003	2366	100.050	102.350
44) L6	Aroclor-1254 {3}	12.35	15.86	1982	1385	102.030	102.661
45) L6	Aroclor 1254 {4}	12.63	16.04	2310	998	100.164	103.574
46) L6	Aroclor 1254 {5}	13.00	16.29	1670	1000	103.143	103.567
Total	Aroclor-1254			12010	6961	504.737	513.488
Average	Aroclor-1254					100.947	102.698
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

219

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D\E3A0126R.D
Acq On : 17 Sep 97 00:54 AM Operator:
Sample : AR1254F2,AR1254F2,,ar1254.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:36 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

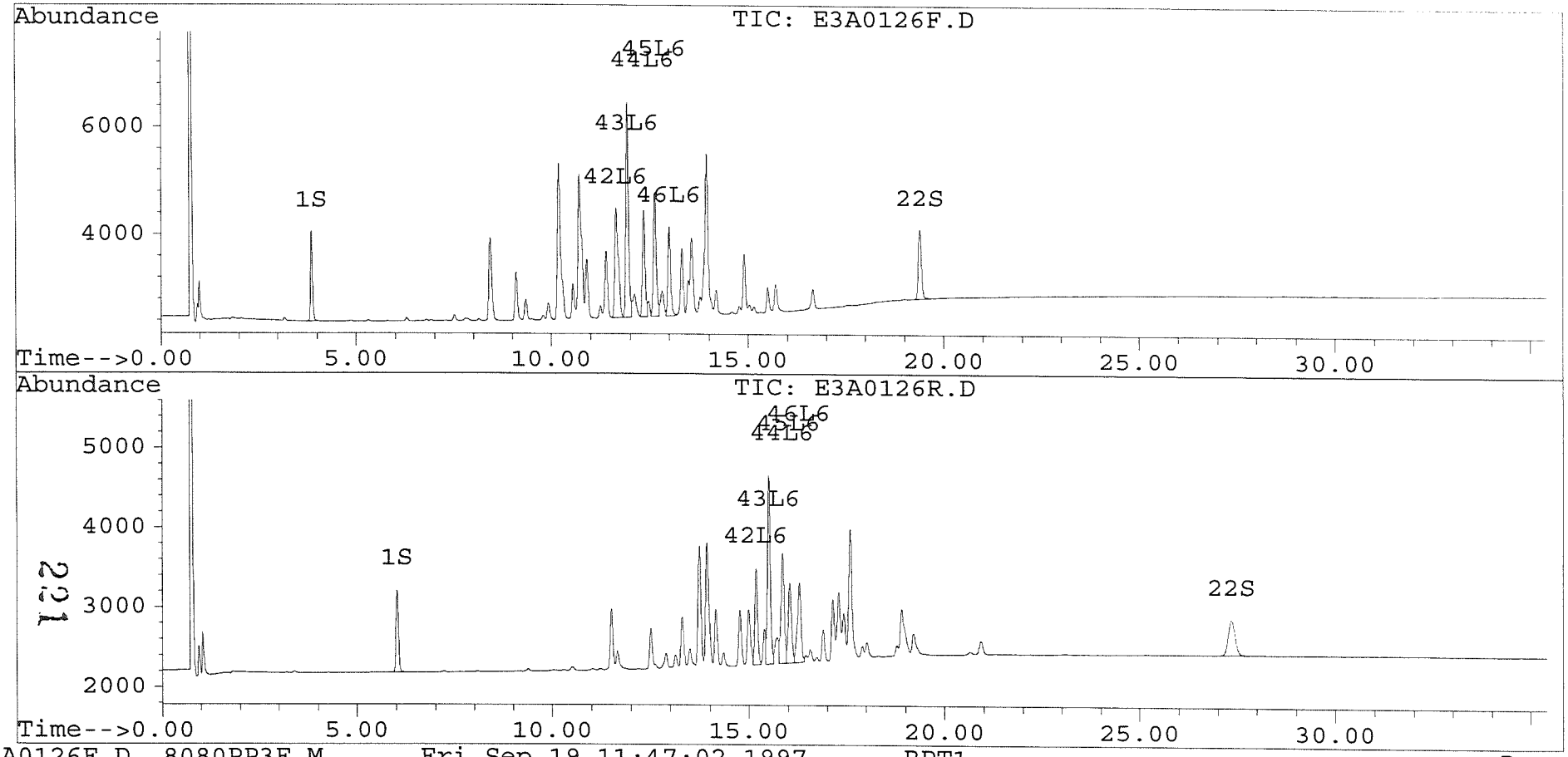
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

220

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0126F.D\E3A0126R.D
Acq On : 17 Sep 97 00:54 AM Operator:
Sample : AR1254F2,AR1254F2,,ar1254.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:36 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



2.21

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0127F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0127F.D\E3A0127R.D
Acq On : 17 Sep 97 01:32 AM Operator:
Sample : AR1254F1,AR1254F1,,ar1254.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:37 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	14592	10930	2.389	2.266
					Recovery	=	5.97%	5.67%
22)	S	Decachlorobiphenyl	19.40	27.37f	17723	12752	2.394m	2.269
					Recovery	=	5.99%	5.67%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0127F.D Vial: 46
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0127F.D\E3A0127R.D
Acq On : 17 Sep 97 01:32 AM Operator:
Sample : AR1254F1,AR1254F1,,ar1254.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:37 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
32) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
33) 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
34) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
35) L4 Aroclor-1242 {2}	0.00	0.00	0	0	N.D.	N.D.
36) L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
37) L4 Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
38) 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
39) L5 Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5 Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6 Aroclor-1254	11.65	15.19	559	329	27.180	27.490
43) L6 Aroclor-1254 {2}	11.93	15.51	1117	678	27.926	29.316
44) L6 Aroclor-1254 {3}	12.35	15.87	558	373	28.719	27.681
45) L6 Aroclor 1254 {4}	12.63	16.05	626	273	27.162	28.301
46) L6 Aroclor 1254 {5}	13.00	16.30	465	271	28.697	28.121
Total Aroclor-1254			3326	1924	139.684	140.908
Average Aroclor-1254					27.937	28.182
47) L7 Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7 Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

223

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D\E3A0128R.D
Acq On : 17 Sep 97 02:10 AM Operator:
Sample : AR1660F5,AR1660F5,,ar1660.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:38 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	556348	379713	91.097	78.706
					Recovery	=	227.74%	196.77%
22)	S	Decachlorobiphenyl	19.39	27.35	650346	483473	87.858	86.028
					Recovery	=	219.65%	215.07%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	6.28	9.37	22059	11356	1207.011	1167.351
26)	L1	Aroclor-1016 {2}	6.91	10.04	10142	4361	1236.166	1205.048
27)	L1	Aroclor-1016 {3}	7.50	10.51	38885	15762	1301.104	1241.565
		Total Aroclor-1016			71086	31479	3744.281	3613.965
		Average Aroclor-1016					1248.094	1204.655
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0128F.D 8080PP3F.M Fri Sep 19 11:47:38 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D\E3A0128R.D
Acq On : 17 Sep 97 02:10 AM Operator:
Sample : AR1660F5,AR1660F5,,ar1660.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:38 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	14.89	18.78	24519	11586	1282.707	1211.772
48) L7	Aroclor-1260 {2}	15.70	19.20	45610	23489	1344.914	1255.336
49) L7	Aroclor-1260 {3}	16.64	20.92	31525	11434	1333.489	1242.864
Total	Aroclor-1260			101653	46510	3961.110	3709.972
Average	Aroclor-1260					1320.370	1236.657

227

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D\E3A0128R.D
Acq On : 17 Sep 97 02:10 AM Operator:
Sample : AR1660F5,AR1660F5,,ar1660.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:38 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

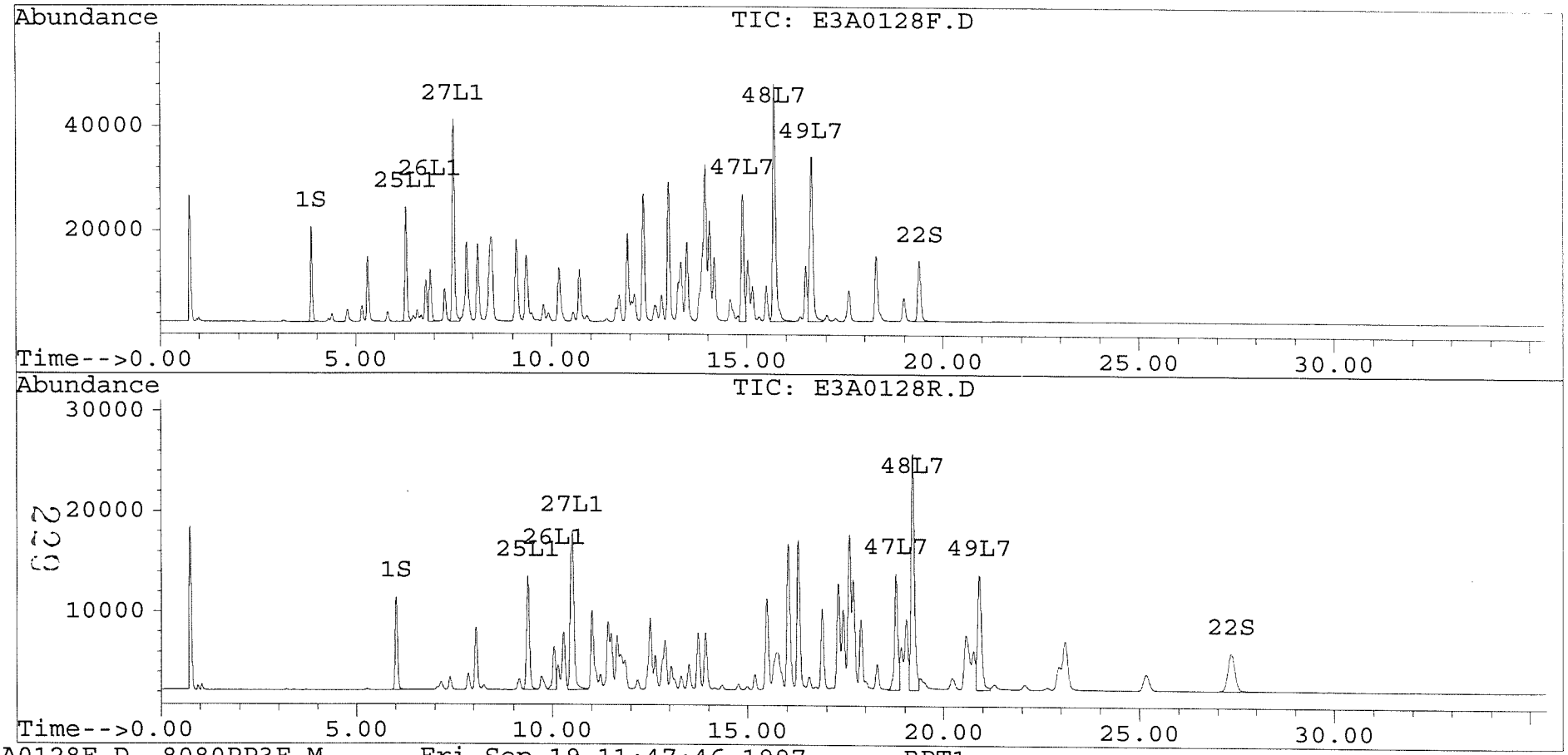
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

228

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D Vial: 47
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0128F.D\E3A0128R.D
Acq On : 17 Sep 97 02:10 AM Operator:
Sample : AR1660F5,AR1660F5,,ar1660.sub Inst : E3
Misc : 1,5 Multiplr: 1.00
Quant Time: Sep 17 10:38 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0129F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D\E3A0129R.D
Acq On : 17 Sep 97 02:48 AM Operator:
Sample : AR1660F4,AR1660F4,,ar1660.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:39 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	303772	214393	49.740	44.439
					Recovery	=	124.35%	111.10%
22)	S	Decachlorobiphenyl	19.39	27.34	380223	286883	51.366	51.047
					Recovery	=	128.42%	127.62%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	6.28	9.37	13032	6767	713.066	695.654
26)	L1	Aroclor-1016 {2}	6.90	10.04	5934	2599	723.290	718.020
27)	L1	Aroclor-1016 {3}	7.50	10.50	22507	9243	753.101	728.019
Total		Aroclor-1016			41473	18608	2189.457	2141.693
Average		Aroclor-1016					729.819	713.898
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D\E3A0129R.D
Acq On : 17 Sep 97 02:48 AM Operator:
Sample : AR1660F4,AR1660F4,,ar1660.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:39 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	14.89	18.78	14283	6937	747.203	725.486
48) L7	Aroclor-1260 {2}	15.69	19.20	26219	13902	773.111	742.977
49) L7	Aroclor-1260 {3}	16.64	20.92	18081	6848	764.837	744.368
Total	Aroclor-1260			58582	27687	2285.150	2212.831
Average	Aroclor-1260					761.717	737.610

231

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D\E3A0129R.D
Acq On : 17 Sep 97 02:48 AM Operator:
Sample : AR1660F4,AR1660F4,,ar1660.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:39 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

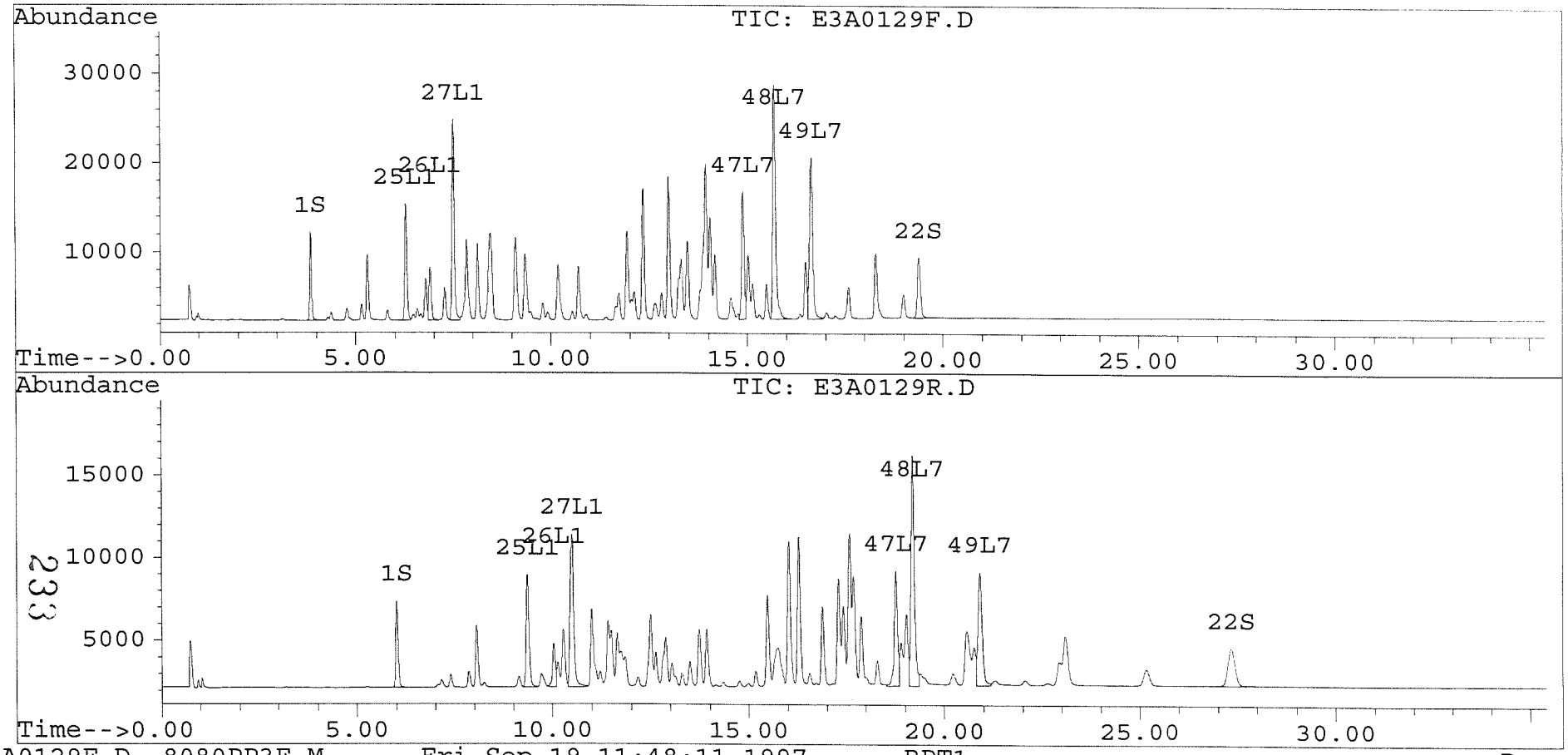
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D Vial: 48
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0129F.D\E3A0129R.D
Acq On : 17 Sep 97 02:48 AM Operator:
Sample : AR1660F4,AR1660F4,,ar1660.sub Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:39 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0130F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D\E3A0130R.D
Acq On : 17 Sep 97 03:26 AM Operator:
Sample : AR1660F3,AR1660F3,,ar1660.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:03 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	129472	95910	22.332	21.060	
					Recovery	=	55.83%	52.65%	
22)	S	Decachlorobiphenyl	19.40	27.37	166598	127121	24.063	23.827	
					Recovery	=	60.16%	59.57%	
		Target Compounds							
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d	
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d	
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d	
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d	
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.	
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d	
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d	
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d	
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d	
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d	
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d	
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d	
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d	
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d	
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d	
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d	
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d	
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d	
25)	L1	Aroclor-1016	6.29	9.38	6092	3243	191.016	117.794	#
26)	L1	Aroclor-1016 {2}	6.91	10.05	2735	1206	46.691	23.728	#
27)	L1	Aroclor-1016 {3}	7.51	10.51	9962	4232	90.051	58.618	#
Total		Aroclor-1016			18789	8681	327.758	200.139	
Average		Aroclor-1016					109.253	66.713	
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0130F.D 8080PP3F.M Fri Sep 19 11:48:26 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D\E3A0130R.D
Acq On : 17 Sep 97 03:26 AM Operator:
Sample : AR1660F3,AR1660F3,,ar1660.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:03 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	14.90	18.79	6372	3187	94.850	54.121 #
48) L7	Aroclor-1260 {2}	15.70	19.21	11304	6237	75.171	65.579
49) L7	Aroclor-1260 {3}	16.65	20.93	7880	3067	90.781	75.984
Total	Aroclor-1260			25556	12491	260.802	195.684
Average	Aroclor-1260					86.934	65.228

235

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D\E3A0130R.D
Acq On : 17 Sep 97 03:26 AM Operator:
Sample : AR1660F3,AR1660F3,,ar1660.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:03 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

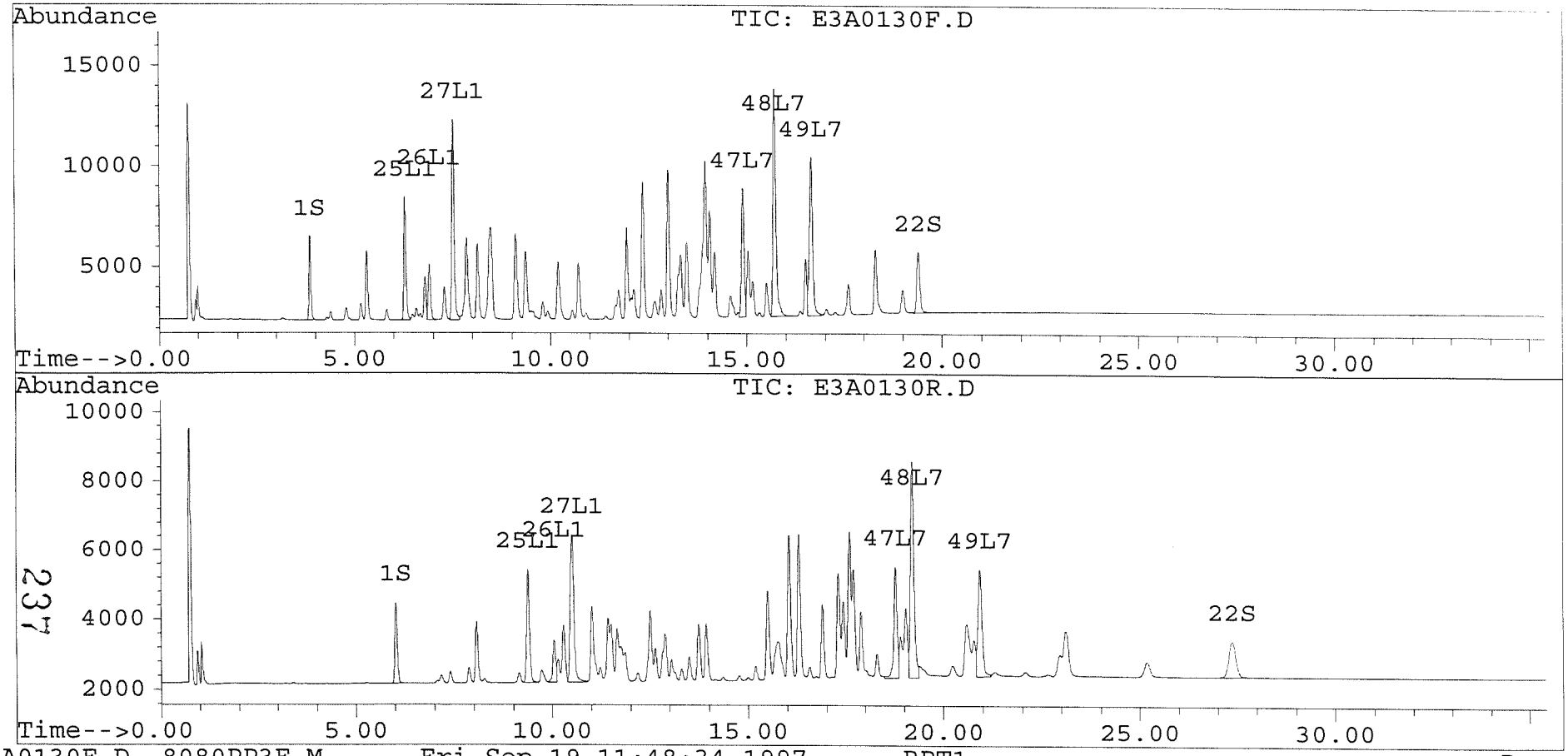
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D Vial: 49
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0130F.D\E3A0130R.D
Acq On : 17 Sep 97 03:26 AM Operator:
Sample : AR1660F3,AR1660F3,,ar1660.sub Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:03 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970916\E3A0131F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D\E3A0131R.D
Acq On : 17 Sep 97 04:04 AM Operator:
Sample : AR1660F1,AR1660F1,,ar1660.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:40 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	14723	10992	2.411	2.278
					Recovery	=	6.03%	5.70%
22)	S	Decachlorobiphenyl	19.40	27.37f	19359	14049	2.615m	2.500
					Recovery	=	6.54%	6.25%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	6.29	9.38	800	419	43.788	43.068
26)	L1	Aroclor-1016 {2}	6.91	10.05	327	133	39.857	36.746
27)	L1	Aroclor-1016 {3}	7.51	10.51	1148	525	38.404	41.335
	Total	Aroclor-1016			2275	1077	122.050	121.149
	Average	Aroclor-1016					40.683	40.383
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0131F.D 8080PP3F.M Fri Sep 19 11:48:49 1997 RPT1 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D\E3A0131R.D
Acq On : 17 Sep 97 04:04 AM Operator:
Sample : AR1660F1,AR1660F1,,ar1660.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:40 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
0) 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
1) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
4) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
5) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
7) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
8) 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
9) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
1) 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
2) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
5) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
6) 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
47) L7	Aroclor-1260	14.90	18.79	752	385	39.321	40.244
8) L7	Aroclor-1260 {2}	15.70	19.21	1281	753	37.784	40.252
9) L7	Aroclor-1260 {3}	16.65	20.93	890	351	37.633	38.155
Total	Aroclor-1260			2923	1489	114.738	118.651
Average	Aroclor-1260					38.246	39.550

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0131F.D 8080PP3F.M Fri Sep 19 11:48:52 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D\E3A0131R.D
Acq On : 17 Sep 97 04:04 AM Operator:
Sample : AR1660F1,AR1660F1,,ar1660.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:40 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

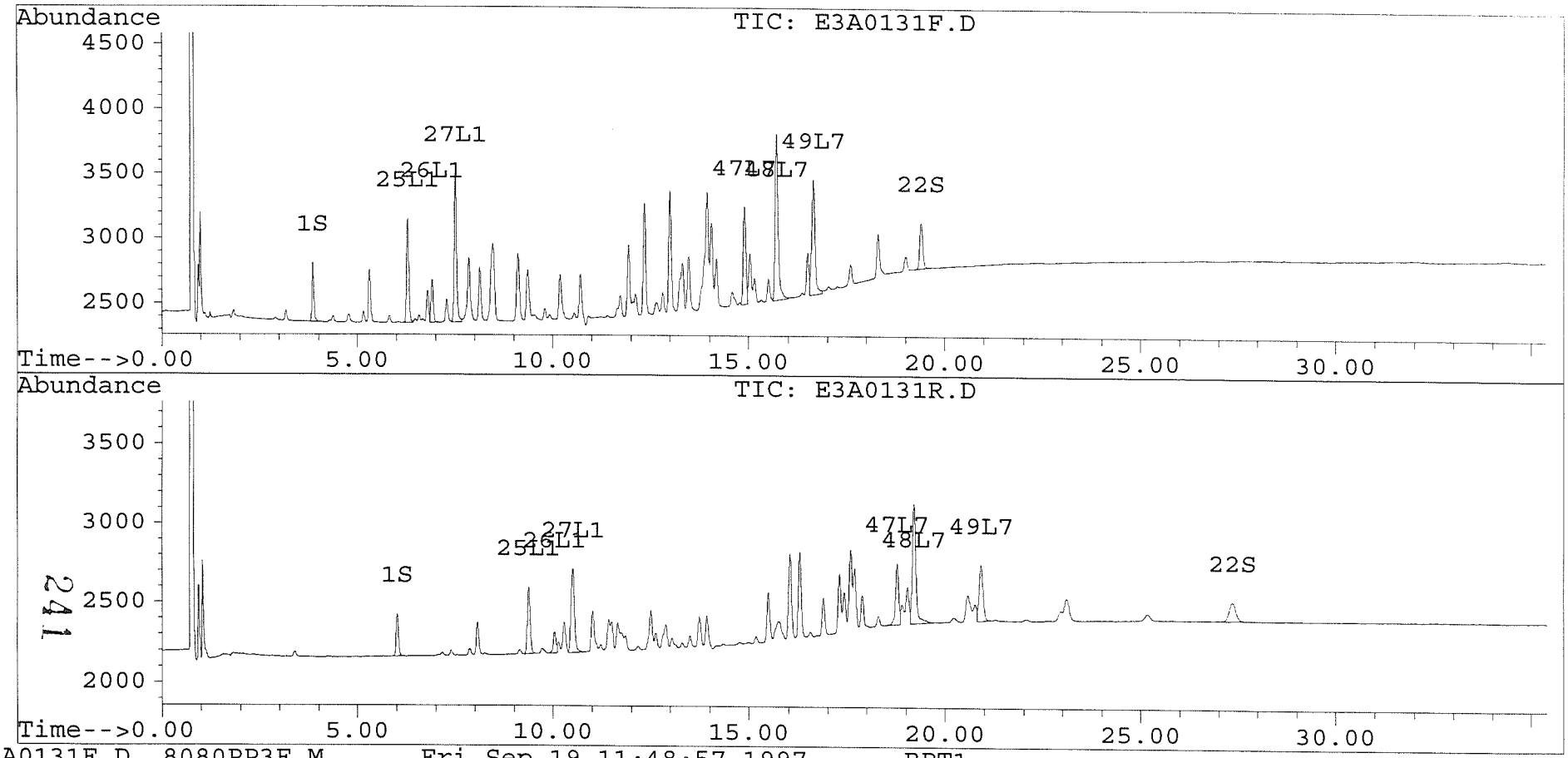
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D Vial: 50
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0131F.D\E3A0131R.D
Acq On : 17 Sep 97 04:04 AM Operator:
Sample : AR1660F1,AR1660F1,,ar1660.sub Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:40 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0132F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D\E3A0132R.D
Acq On : 17 Sep 97 04:42 AM Operator:
Sample : AR1660F2,AR1660F2,,ar1660.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:41 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	63502	47917	10.398	9.932
					Recovery	=	26.00%	24.83%
22)	S	Decachlorobiphenyl	19.40	27.36	82225	61538	11.108	10.950
					Recovery	=	27.77%	27.38%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.d	N.D.d
4)		Heptachlor	0.00	0.00	0	0	N.D.d	N.D.d
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.d	N.D.d
9)		Endosulfan I	0.00	0.00	0	0	N.D.d	N.D.d
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.d	N.D.d
14)		Endrin	0.00	0.00	0	0	N.D.d	N.D.d
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.d	N.D.d
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.d	N.D.d
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
24)		2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.d	N.D.d
25)	L1	Aroclor-1016	6.29	9.38	3139	1691	171.773	173.869
26)	L1	Aroclor-1016 {2}	6.91	10.05	1378	593	167.960	163.914
27)	L1	Aroclor-1016 {3}	7.51	10.51	4821	2142	161.328	168.687
	Total	Aroclor-1016			9339	4426	501.061	506.471
	Average	Aroclor-1016					167.020	168.824
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0132F.D 8080PP3F.M Fri Sep 19 11:49:11 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D\E3A0132R.D
Acq On : 17 Sep 97 04:42 AM Operator:
Sample : AR1660F2,AR1660F2,,ar1660.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:41 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	14.90	18.78	3088	1576	161.528	164.793
48) L7	Aroclor-1260 {2}	15.70	19.21	5364	3050	158.180	162.990
49) L7	Aroclor-1260 {3}	16.64	20.93	3691	1480	156.140	160.840
Total	Aroclor-1260			12143	6105	475.848	488.622
Average	Aroclor-1260					158.616	162.874

243

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D\E3A0132R.D
Acq On : 17 Sep 97 04:42 AM Operator:
Sample : AR1660F2,AR1660F2,,ar1660.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:41 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

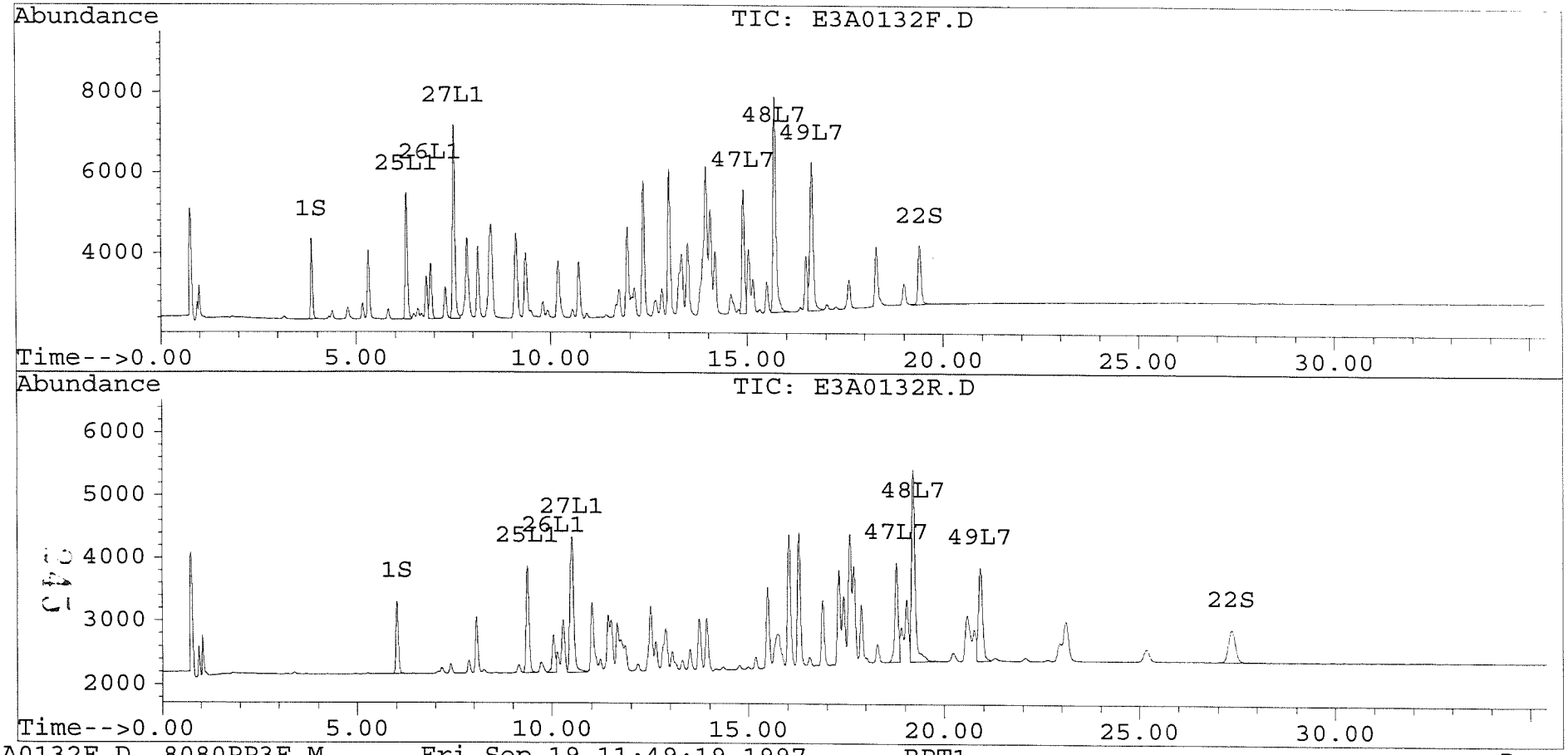
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.d	N.D.d
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

244

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0132F.D\E3A0132R.D
Acq On : 17 Sep 97 04:42 AM Operator:
Sample : AR1660F2,AR1660F2,,ar1660.sub Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:41 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0133F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D\E3A0133R.D
Acq On : 17 Sep 97 05:20 AM Operator:
Sample : PCBCOGF5,PCBCOGF5 Inst : E3
Misc : 1,5, Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	296596	209100	48.565	43.342
					Recovery	=	121.41%	108.36%
22)	S	Decachlorobiphenyl	19.39	27.36	364376	275164	49.225	48.962
					Recovery	=	123.06%	122.41%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.d	N.D.d
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.d	N.D.d
6)		beta-BHC	0.00	0.00	0	0	N.D.d	N.D.d
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.d	N.D.d
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	7.51	10.52	196641	102733	3989.559	3997.466
24)		2,2',3,3',4,4'-Hexa	14.89	18.90	360635	186210	4139.066	4167.297
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.d	N.D.d
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.d	N.D.d
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0133F.D 8080PP3F.M Fri Sep 19 11:49:34 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D\E3A0133R.D
Acq On : 17 Sep 97 05:20 AM Operator:
Sample : PCBCOGF5,PCBCOGF5 Inst : E3
Misc : 1,5, Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

247

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D\E3A0133R.D
Acq On : 17 Sep 97 05:20 AM Operator:
Sample : PCBCOGF5,PCBCOGF5 Inst : E3
Misc : 1,5, Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

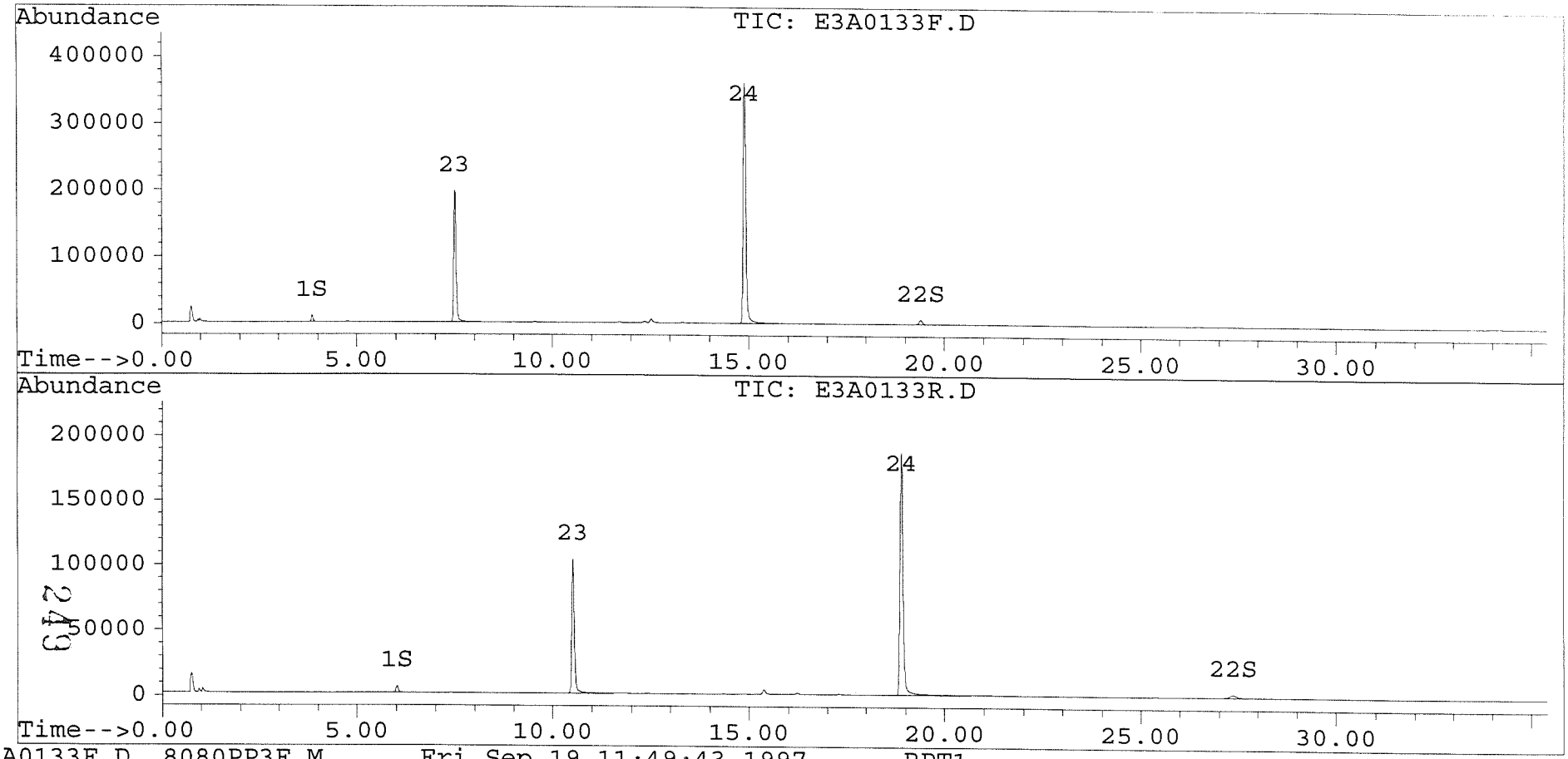
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0133F.D\E3A0133R.D
Acq On : 17 Sep 97 05:20 AM Operator:
Sample : PCBCOGF5,PCBCOGF5 Inst : E3
Misc : 1,5, Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0134F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D\E3A0134R.D
Acq On : 17 Sep 97 05:58 AM Operator:
Sample : PCBCOGF4,PCBCOGF4, Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	155497	113754	25.461	23.579
					Recovery	=	63.65%	58.95%
22)	S	Decachlorobiphenyl	19.40	27.37f	194021	147602	26.211	26.264
					Recovery	=	65.53%	65.66%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	7.51	10.52	111302	57077	2258.169	2220.943
24)		2,2',3,3',4,4'-Hexa	14.89	18.90	199262	101180	2286.963	2264.352
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D\E3A0134R.D
Acq On : 17 Sep 97 05:58 AM Operator:
Sample : PCBCOGF4,PCBCOGF4, Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.d	N.D.d
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.d	N.D.d
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D\E3A0134R.D
Acq On : 17 Sep 97 05:58 AM Operator:
Sample : PCBCOGF4,PCBCOGF4, Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

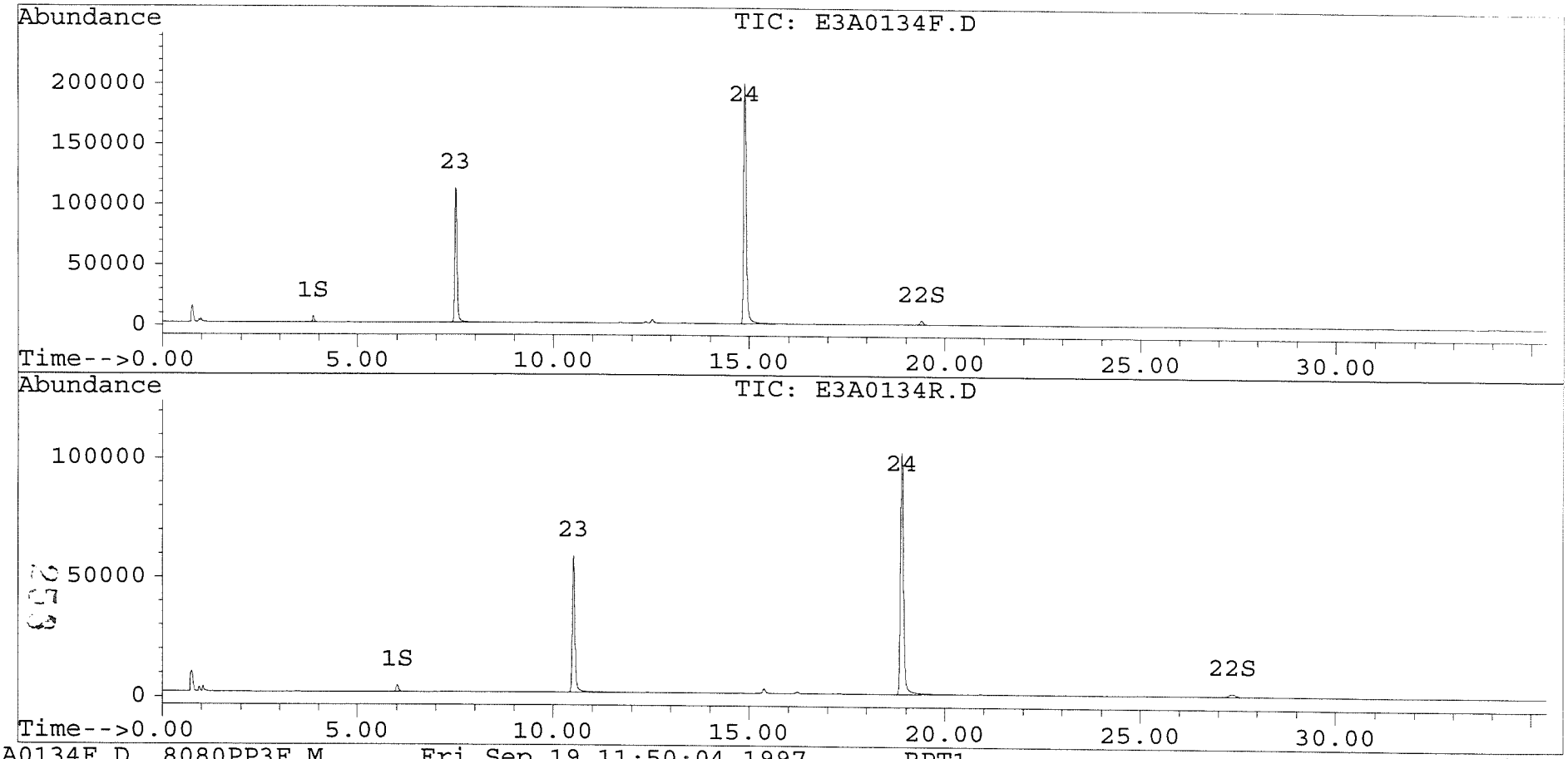
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D Vial: 53
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0134F.D\E3A0134R.D
Acq On : 17 Sep 97 05:58 AM Operator:
Sample : PCBCOGF4,PCBCOGF4, Inst : E3
Misc : 1,4 Multiplr: 1.00
Quant Time: Sep 17 10:42 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0135F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D\E3A0135R.D
Acq On : 17 Sep 97 06:36 AM Operator:
Sample : PCBCOGF3,PCBCOGF3, Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:04 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	64916	49040	11.197	10.768
					Recovery	=	27.99%	26.92%
22)	S	Decachlorobiphenyl	19.40	27.37	80917	61554	11.687m	11.537
					Recovery	=	29.22%	28.84%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.d	N.D.d
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	7.51	10.52	49289	25700	NoCal	NoCal
24)		2,2',3,3',4,4'-Hexa	14.89	18.90	87130	44684	NoCal	NoCal
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0135F.D 8080PP3F.M Fri Sep 19 11:50:19 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D\E3A0135R.D
Acq On : 17 Sep 97 06:36 AM Operator:
Sample : PCBCOGF3,PCBCOGF3, Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:04 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.	N.D.
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
49) L7	Aroclor-1260 {3}	0.00	0.00	0	0	N.D.d	N.D.d
Total	Aroclor-1260			0	0	N.D.	N.D.
Average	Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0135F.D 8080PP3F.M Fri Sep 19 11:50:22 1997 RPT1 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D\E3A0135R.D
Acq On : 17 Sep 97 06:36 AM Operator:
Sample : PCBCOGF3,PCBCOGF3, Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:04 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

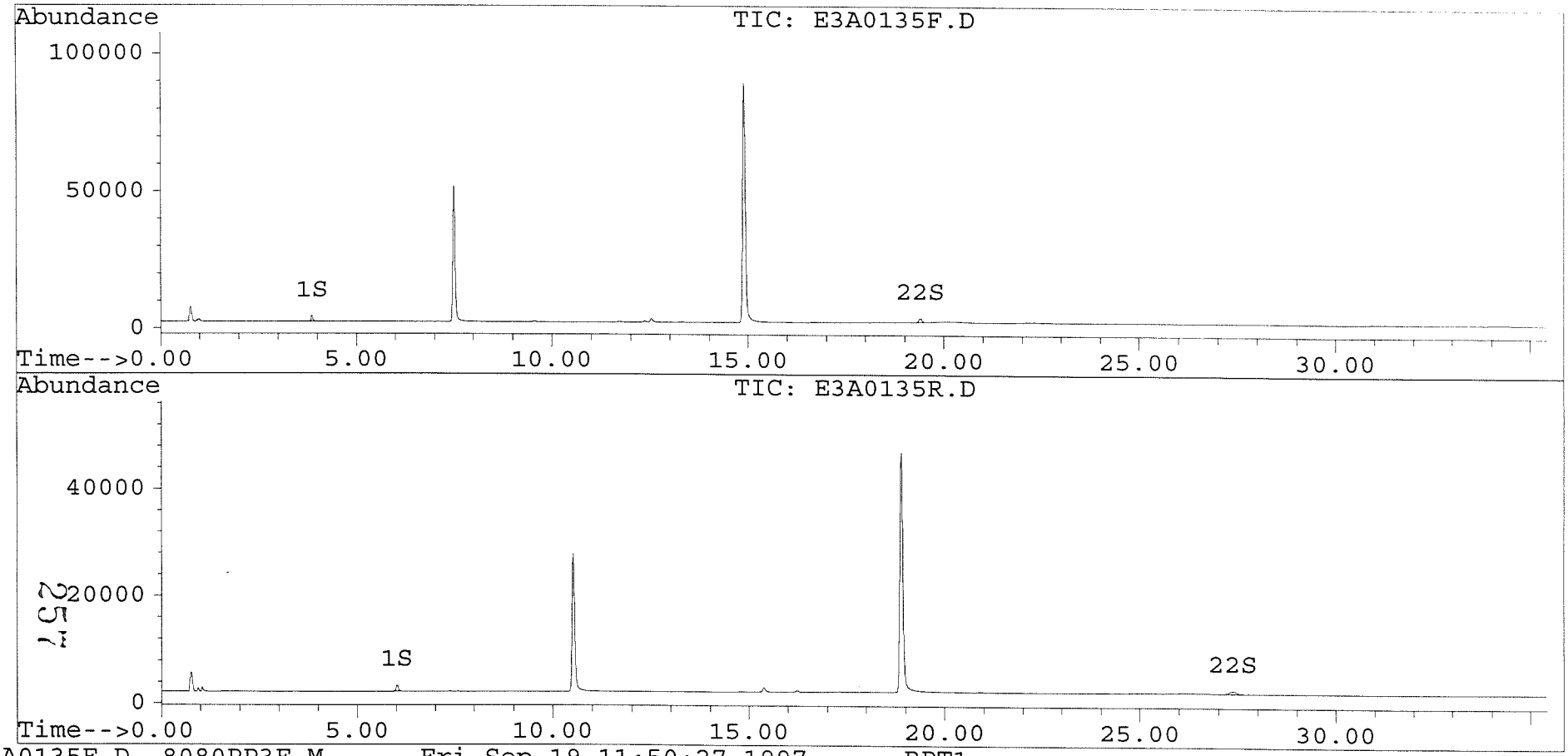
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0135F.D\E3A0135R.D
Acq On : 17 Sep 97 06:36 AM Operator:
Sample : PCBCOGF3,PCBCOGF3, Inst : E3
Misc : 1,3 Multiplr: 1.00
Quant Time: Sep 17 10:04 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970916\E3A0136F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D\E3A0136R.D
Acq On : 17 Sep 97 07:14 AM Operator:
Sample : PCBCOGF2,PCBCOGF2, Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	30812	23358	5.045	4.842
					Recovery	=	12.61%	12.11%
22)	S	Decachlorobiphenyl	19.40	27.36f	37763	28696	5.102m	5.106
					Recovery	=	12.76%	12.77%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
12)		4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)		Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	7.51	10.52	23766	12448	482.183	484.373
24)		2,2',3,3',4,4'-Hexa	14.89	18.90	43181	22118	495.595	494.983
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E3A0136F.D 8080PP3F.M Fri Sep 19 11:50:41 1997 RPT1 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D\E3A0136R.D
Acq On : 17 Sep 97 07:14 AM Operator:
Sample : PCBCOGF2,PCBCOGF2, Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.	N.D.
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.	N.D.
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.	N.D.
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
49) 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

259

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D\E3A0136R.D
Acq On : 17 Sep 97 07:14 AM Operator:
Sample : PCBCOGF2,PCBCOGF2, Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

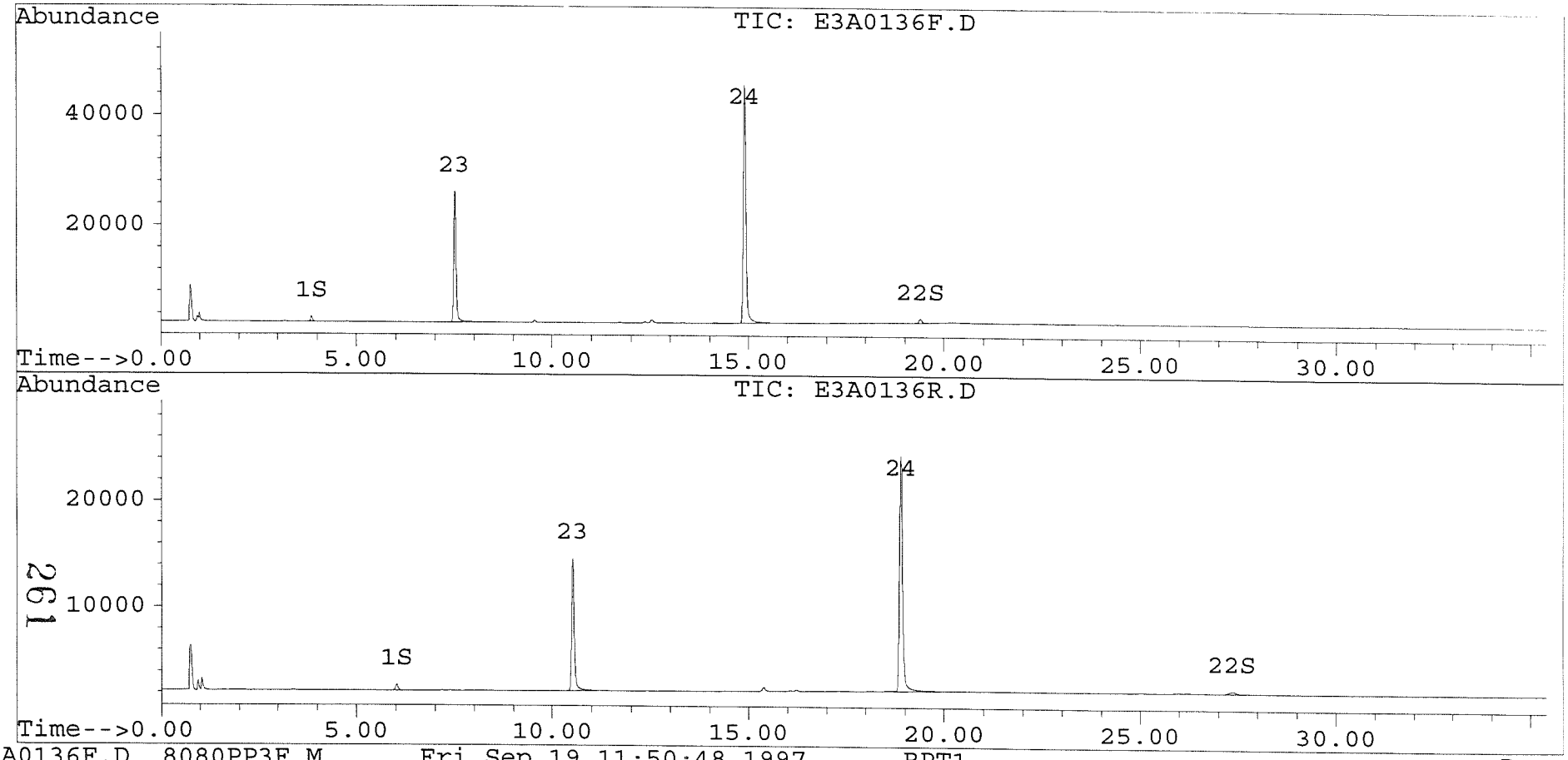
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.	N.D.
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

260

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0136F.D\E3A0136R.D
Acq On : 17 Sep 97 07:14 AM Operator:
Sample : PCBCOGF2,PCBCOGF2, Inst : E3
Misc : 1,2 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 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\970916\E3A0137F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D\E3A0137R.D
Acq On : 17 Sep 97 07:52 AM Operator:
Sample : PCBCOGF1,PCBCOGF1, Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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	19737	14659	3.232	3.038
					Recovery	=	8.08%	7.59%
22)	S	Decachlorobiphenyl	19.39	27.34	23740	17408	3.207m	3.098
					Recovery	=	8.02%	7.74%
		Target Compounds						
2)		alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)		gamma-BHC (Lindane)	0.00	0.00	0	0	N.D.	N.D.
4)		Heptachlor	0.00	0.00	0	0	N.D.	N.D.
5)		Aldrin	0.00	0.00	0	0	N.D.	N.D.
6)		beta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)		delta-BHC	0.00	0.00	0	0	N.D.	N.D.
8)		Heptachlor epoxide	0.00	0.00	0	0	N.D.	N.D.
9)		Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
10)		gamma-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
11)		alpha-Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
12)		4,4'-DDE	0.00	0.00	0	0	N.D.d	N.D.d
13)		Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)		Endrin	0.00	0.00	0	0	N.D.	N.D.
15)		4,4'-DDD	0.00	0.00	0	0	N.D.d	N.D.d
16)		Endosulfan II	0.00	0.00	0	0	N.D.d	N.D.d
17)		4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)		Endrin aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)		Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
20)		Endosulfan sulfate	0.00	0.00	0	0	N.D.	N.D.
21)		Endrin ketone	0.00	0.00	0	0	N.D.d	N.D.d
23)		2,4,4'-Trichlorobip	7.50	10.52	15160	8111	307.583	315.597
24)		2,2',3,3',4,4'-Hexa	14.89	18.89	27553	14331	316.227	320.718
25)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
26)	L1	Aroclor-1016 {2}	0.00	0.00	0	0	N.D.	N.D.
27)	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
28)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.d	N.D.d
29)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.d	N.D.d

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D\E3A0137R.D
Acq On : 17 Sep 97 07:52 AM Operator:
Sample : PCBCOGF1,PCBCOGF1, Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 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
30) 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
31) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
32) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
33) 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
34) L4	Aroclor-1242	0.00	0.00	0	0	N.D.d	N.D.d
35) L4	Aroclor-1242 {2}	0.00	0.00	0	0	N.D.d	N.D.d
36) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.d	N.D.d
37) L4	Aroclor 1242 {4}	0.00	0.00	0	0	N.D.d	N.D.d
38) 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
39) L5	Aroclor-1248	0.00	0.00	0	0	N.D.d	N.D.d
40) L5	Aroclor-1248 {2}	0.00	0.00	0	0	N.D.d	N.D.d
41) 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
42) L6	Aroclor-1254	0.00	0.00	0	0	N.D.d	N.D.d
43) L6	Aroclor-1254 {2}	0.00	0.00	0	0	N.D.d	N.D.d
44) L6	Aroclor-1254 {3}	0.00	0.00	0	0	N.D.d	N.D.d
45) L6	Aroclor 1254 {4}	0.00	0.00	0	0	N.D.d	N.D.d
46) 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
47) L7	Aroclor-1260	0.00	0.00	0	0	N.D.d	N.D.d
48) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.d	N.D.d
49) 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

263

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D\E3A0137R.D
Acq On : 17 Sep 97 07:52 AM Operator:
Sample : PCBCOGF1,PCBCOGF1, Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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

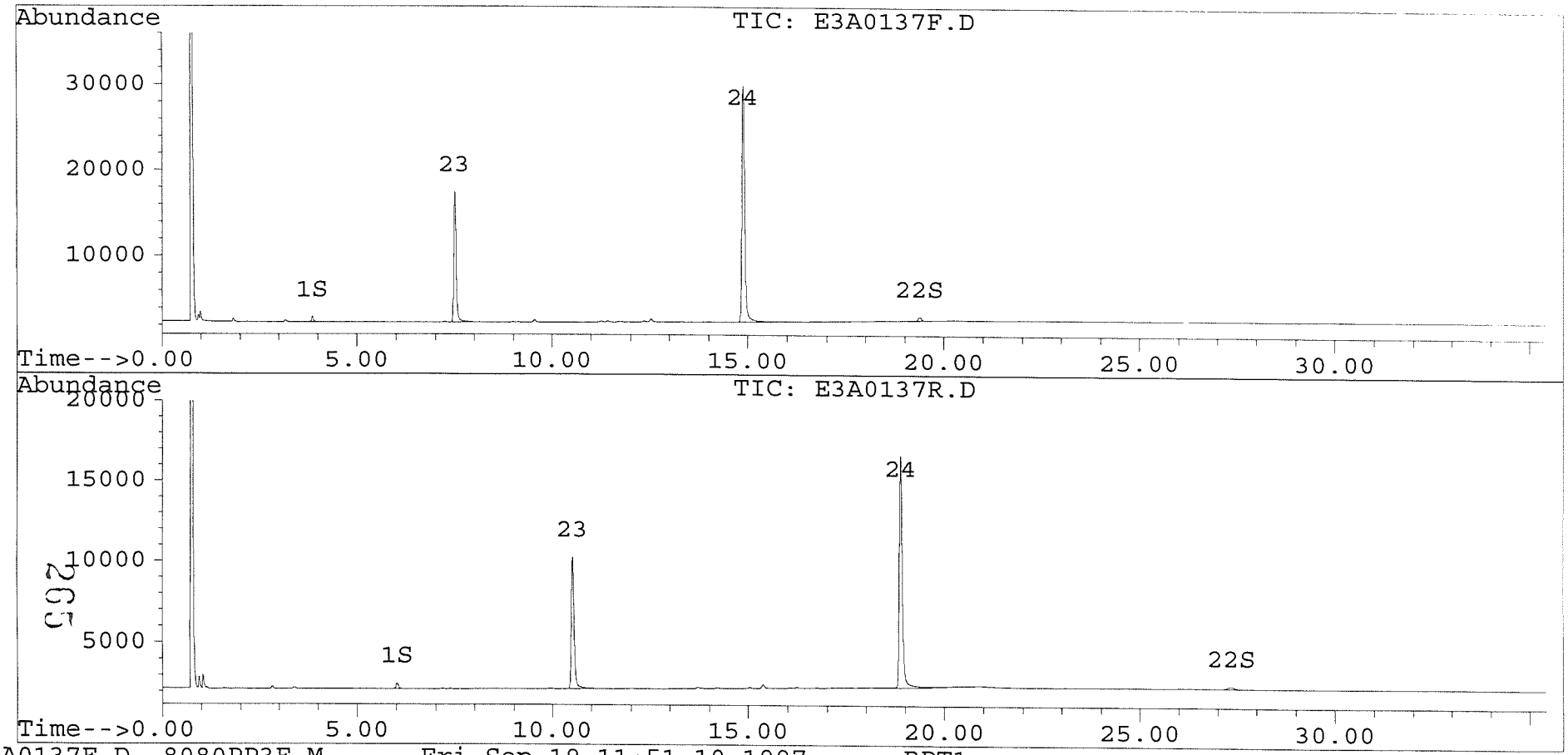
	Compound	RT#1	RT#2	Resp#1	Resp#2	ng*1000	ng*1000
50) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
51) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
52) L8	Technical Chlordane	0.00	0.00	0	0	N.D.d	N.D.d
Total	Technical Chlordane			0	0	N.D.	N.D.
Average	Technical Chlordane					0.000	0.000
53) L9	Toxaphene	0.00	0.00	0	0	N.D.	N.D.
54) L9	Toxaphene {2}	0.00	0.00	0	0	N.D.	N.D.
55) L9	Toxaphene {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Toxaphene			0	0	N.D.	N.D.
Average	Toxaphene					0.000	0.000

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970916\E3A0137F.D\E3A0137R.D
Acq On : 17 Sep 97 07:52 AM Operator:
Sample : PCBCOGF1,PCBCOGF1, Inst : E3
Misc : 1,1 Multiplr: 1.00
Quant Time: Sep 17 10:43 1997

Method : C:\HPCHEM\5\METHODS\8080PP3F.M
Title : 8080 PEST/PCB ICAL run 9/15-9/17/97
Last Update : Wed Sep 17 11:17:24 1997
Response via : Single Level Calibration

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



Continuing Calibration

Instrument E1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D\E1A2358R.D
Acq On : 17 Sep 97 11:08 PM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.73	4110	3810	19.276	18.994
					Recovery	=	96.38%	94.97%
2)	S	Decachlorobiphenyl	22.44	31.33	4554	2176	18.640	18.221
					Recovery	=	93.20%	91.11%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.01	4795	4349	67.145	61.236
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	222	200	1.418	1.270
5)	L1	Aroclor-1016	6.98	10.65	3563	3532	130.610	132.440
6)	L1	Aroclor-1016 (2)	8.44	12.01	4795	4349	126.304	150.651
7)	L1	Aroclor-1016 (3)	9.51	12.61	8893	1639	411.807	119.386 #
	Total	Aroclor-1016			17251	9520	668.721	402.477
Average		Aroclor-1016					222.907	134.159
8)	L2	Aroclor-1221	3.43	0.00	29	0	3.443	N.D. #
9)	L2	Aroclor-1221 (2)	5.29	8.35	23	28	3.624	4.629 #
10)	L2	Aroclor-1221 (3)	5.89	9.14	256	268	14.738	18.224
	Total	Aroclor-1221			308	296	21.806	22.852
Average		Aroclor-1221					7.269	11.426
11)	L3	Aroclor-1232	5.89	9.14	256	268	19.095	22.641
12)	L3	Aroclor-1232 (2)	6.98	10.65	3563	3532	292.984	284.201
13)	L3	Aroclor-1232 (3)	8.44	12.01	4795	4349	297.634	356.514
	Total	Aroclor-1232			8614	8148	609.713	663.356
Average		Aroclor-1232					203.238	221.119
14)	L4	Aroclor-1242	6.98	10.65	3563	3532	97.237	98.095
15)	L4	Aroclor-1242 (2)	8.44	12.01	4795	4349	108.447	112.469
16)	L4	Aroclor-1242 (3)	9.51	13.18	8893	6517	312.808	299.958
17)	L4	Aroclor-1242 (4)	10.25	14.36	7724	6941	317.269	303.166
18)	L4	Aroclor-1242 (5)	10.56	14.81	6264	4488	315.259	322.449
	Total	Aroclor-1242			31239	25827	1151.020	1136.137
Average		Aroclor-1242					230.204	227.227
19)	L5	Aroclor-1248	10.25	15.33	7724	6253	328.982	319.255

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2358F.D VHBPCB1D.M Thu Sep 18 08:52:16 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D\E1A2358R.D
Acq On : 17 Sep 97 11:08 PM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 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	6264	6464	321.780	324.969
21) L5 Aroclor-1248 {3}	11.64	16.56	7591	4772	327.107	312.576
Total Aroclor-1248			21578	17489	977.868	956.799
Average Aroclor-1248					325.956	318.933
22) L6 Aroclor-1254	13.62	17.94	3563	4219	60.807	64.022
23) L6 Aroclor-1254 {2}	14.10	18.38	1372	2269	45.204	64.233 #
24) L6 Aroclor-1254 {3}	14.49	18.55	1819	601	58.105	21.072 #
25) L6 Aroclor-1254 (4)	14.89	0.00	444	0	16.541	N.D. #
26) L6 Aroclor-1254 (5)	16.01	20.43	612	552	12.659	12.403
Total Aroclor-1254			7810	7640	193.316	161.730
Average Aroclor-1254					38.663	40.432
27) L7 Aroclor-1260	17.13	21.83	222	55	8.024	2.231 #
28) L7 Aroclor-1260 {2}	18.11	22.32	105	127	2.065	2.226
29) L7 Aroclor-1260 {3}	19.22	24.22	73	51	1.946	2.121
Total Aroclor-1260			399	233	12.035	6.578
Average Aroclor-1260					4.012	2.193

268

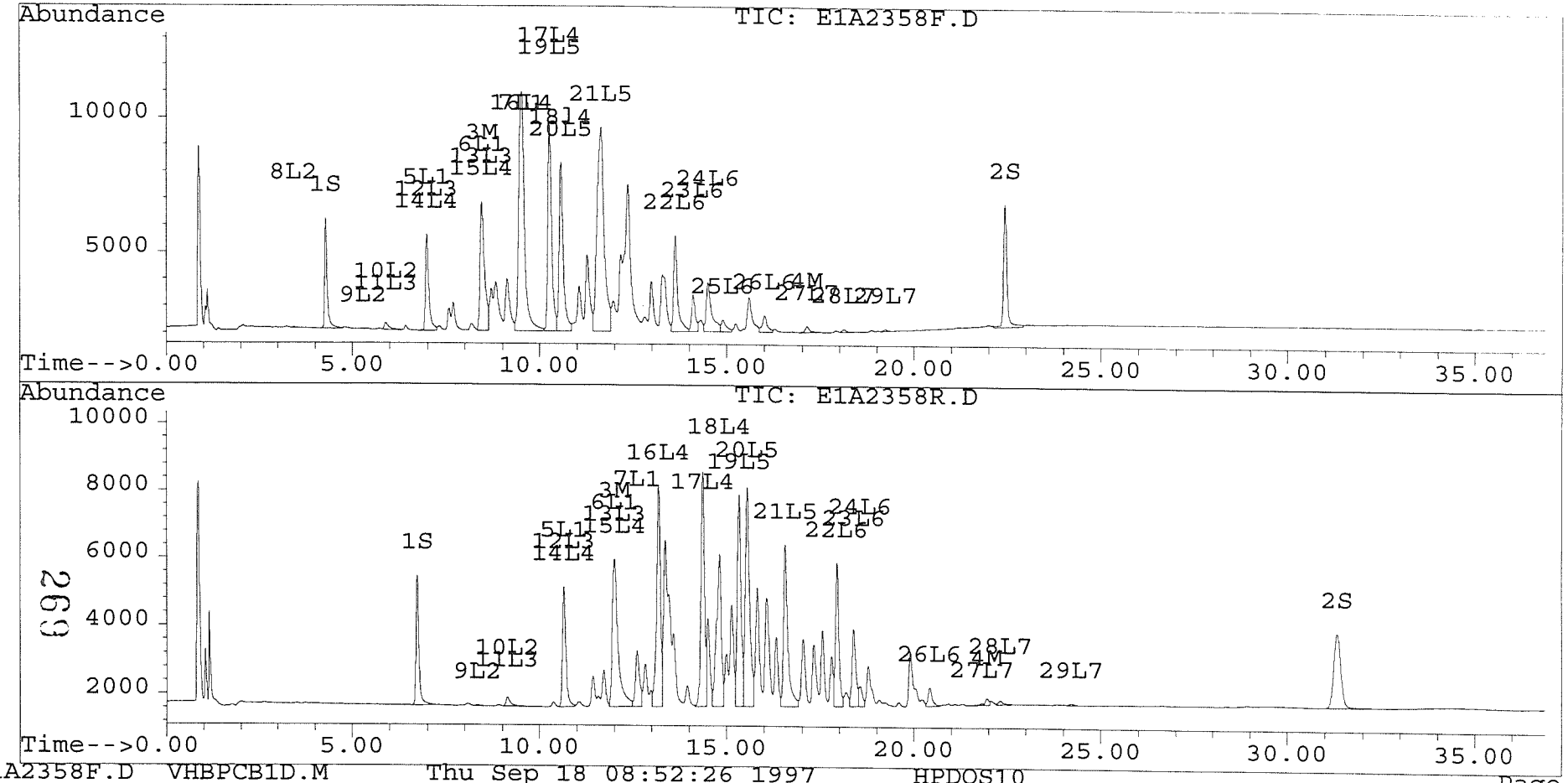
JS 7/18/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2358F.D\E1A2358R.D
Acq On : 17 Sep 97 11:08 PM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D\E1A2359R.D
Acq On : 17 Sep 97 11:48 PM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.73	2119	1967	9.939	9.806
				Recovery	=	49.70%	49.03%
2) S	Decachlorobiphenyl	22.44	31.33	2599	1235	10.636	10.344
				Recovery	=	53.18%	51.72%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.41	12.02	81820	79732	1145.710	1122.687
4) M	2,2',3,3',4,4'-Hexa	17.11	21.95	178518	172876	1140.980	1099.669
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	0.00	12.02	0	79732	N.D.	2761.995 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			0	79732	N.D.	2761.995
Average	Aroclor-1016					0.000	2761.995
8) L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9) L2	Aroclor-1221 {2}	5.28	8.34	95	94	14.696	15.436
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			95	94	14.696	15.436
Average	Aroclor-1221					14.696	15.436
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	0.00	12.02	0	79732	N.D.	6536.256 #
Total	Aroclor-1232			0	79732	N.D.	6536.256
Average	Aroclor-1232					0.000	6536.256
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	8.41f	12.02	81820	79732	1850.451	2061.988
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	195	0	9.813	N.D. #
Total	Aroclor-1242			82015	79732	1860.264	2061.988
Average	Aroclor-1242					930.132	2061.988
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

270

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D\E1A2359R.D
Acq On : 17 Sep 97 11:48 PM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 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}	10.52f	15.57	195	26	10.016	1.295 #
21) L5	Aroclor-1248 {3}	0.00	16.59	0	16	N.D.	1.019 #
Total	Aroclor-1248			195	41	10.016	2.314
Average	Aroclor-1248					10.016	1.157
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.10	0.00	462	0	15.212	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			462	0	15.212	N.D.
Average	Aroclor-1254					15.212	0.000
27) L7	Aroclor-1260	17.11	0.00	178518	0	6458.245	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	101	113	2.697	4.735 #
Total	Aroclor-1260			178619	113	6460.943	4.735
Average	Aroclor-1260					3230.471	4.735

271

9897/18/97

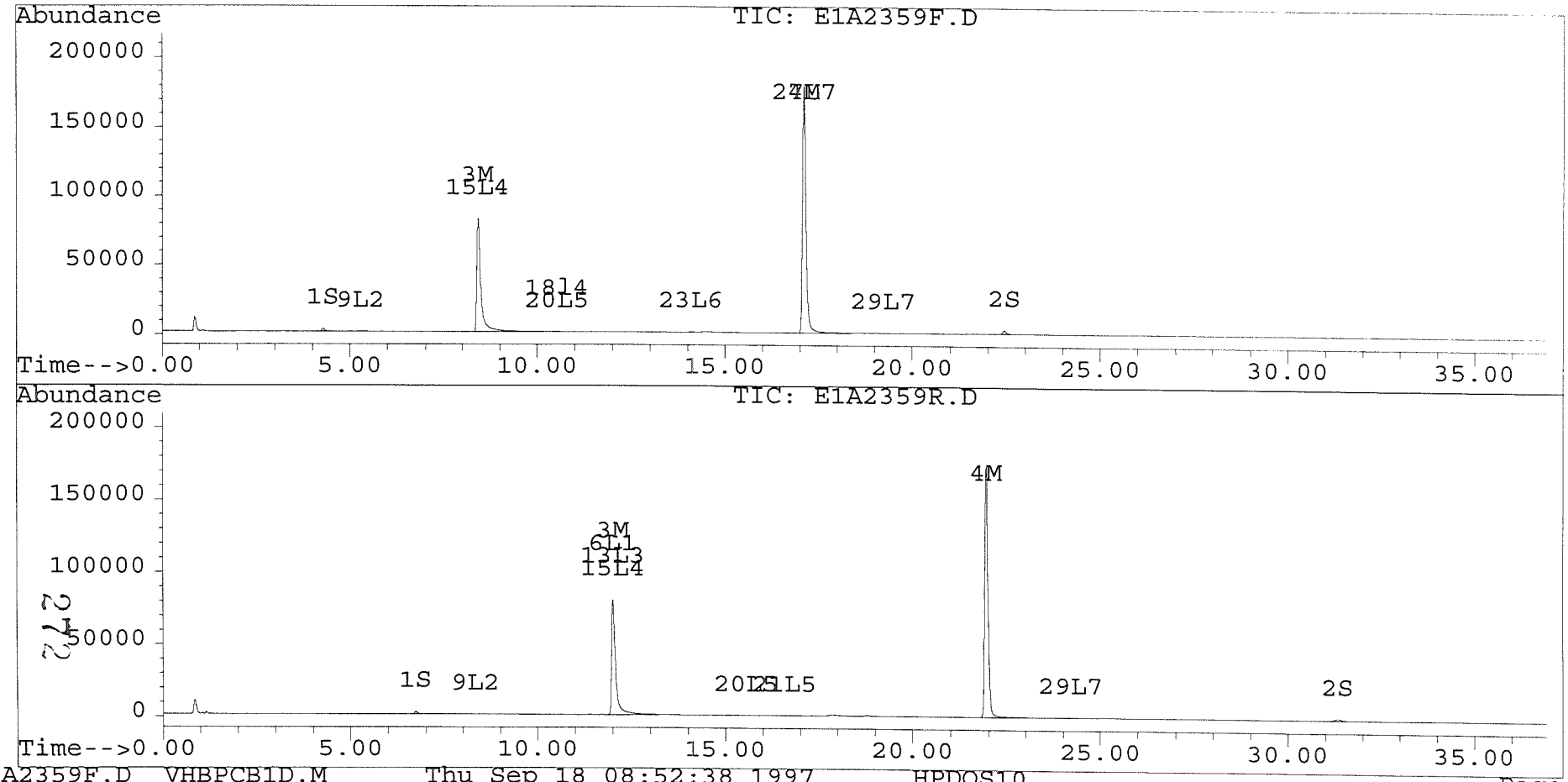
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2359F.D\E1A2359R.D
Acq On : 17 Sep 97 11:48 PM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D\E1A2360R.D
Acq On : 18 Sep 97 00:29 AM Operator: JS
Sample : AR1242DC,AR1242DC,,AR1242.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.73	4209	3905	19.741	19.465
					Recovery	=	98.71%	97.32%
2)	S	Decachlorobiphenyl	22.44	31.33	4934	2369	20.197	19.843
					Recovery	=	100.99%	99.22%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.02	8808	7639	123.340	107.567
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	77	74	0.490	0.468
5)	L1	Aroclor-1016	6.98	10.65	7339	7114	269.030	266.779
6)	L1	Aroclor-1016 (2)	8.43	12.02	8808	7639	232.010	264.633
7)	L1	Aroclor-1016 (3)	9.51	12.61	5863	3667	271.491	267.051
	Total	Aroclor-1016			22010	18420	772.531	798.463
	Average	Aroclor-1016					257.510	266.154
8)	L2	Aroclor-1221	3.43	5.88	106	86	12.443	11.665
9)	L2	Aroclor-1221 (2)	5.29	8.35	504	513	77.803	83.928
10)	L2	Aroclor-1221 (3)	5.88	9.13	3215	2988	185.303	203.306
	Total	Aroclor-1221			3825	3587	275.550	298.899
	Average	Aroclor-1221					91.850	99.633
11)	L3	Aroclor-1232	5.88	9.13	3215	2988	240.080	252.586
12)	L3	Aroclor-1232 (2)	6.98	10.65	7339	7114	603.488	572.475
13)	L3	Aroclor-1232 (3)	8.43	12.02	8808	7639	546.727	626.254
	Total	Aroclor-1232			19362	17742	1390.295	1451.315
	Average	Aroclor-1232					463.432	483.772
14)	L4	Aroclor-1242	6.98	10.65	7339	7114	200.290	197.596
15)	L4	Aroclor-1242 (2)	8.43	12.02	8808	7639	199.208	197.564
16)	L4	Aroclor-1242 (3)	9.51	13.18	5863	4349	206.224	200.179
17)	L4	Aroclor-1242 (4)	10.25	14.36	4992	4600	205.046	200.893
18)	L4	Aroclor-1242 (5)	10.56	14.81	3963	2781	199.483	199.777
	Total	Aroclor-1242			30965	26483	1010.250	996.010
	Average	Aroclor-1242					202.050	199.202
19)	L5	Aroclor-1248	10.25	15.33	4992	3602	212.616	183.921

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D\E1A2360R.D
Acq On : 18 Sep 97 00:29 AM Operator: JS
Sample : AR1242DC,AR1242DC,,AR1242.SUB Inst : E1
Misc : 2,,,1 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	15.55	3963	4089	203.609	205.558
21) L5	Aroclor-1248 {3}	11.64	16.56	4272	3025	184.087	198.163
Total	Aroclor-1248			13227	10716	600.312	587.642
Average	Aroclor-1248					200.104	195.881
22) L6	Aroclor-1254	13.62	17.94	1212	1566	20.688	23.764
23) L6	Aroclor-1254 {2}	14.10	18.39	478	778	15.742	22.027 #
24) L6	Aroclor-1254 {3}	14.50	18.55	601	231	19.200	8.112 #
25) L6	Aroclor-1254 (4)	14.90	0.00	192	0	7.138	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	206	187	4.258	4.205
Total	Aroclor-1254			2689	2762	67.025	58.107
Average	Aroclor-1254					13.405	14.527
27) L7	Aroclor-1260	17.13	0.00	77	0	2.772	N.D. #
28) L7	Aroclor-1260 {2}	18.12	22.32	22	30	0.435	0.530
29) L7	Aroclor-1260 {3}	0.00	24.22	0	14	N.D.	0.570 #
Total	Aroclor-1260			99	44	3.207	1.101
Average	Aroclor-1260					1.604	0.550

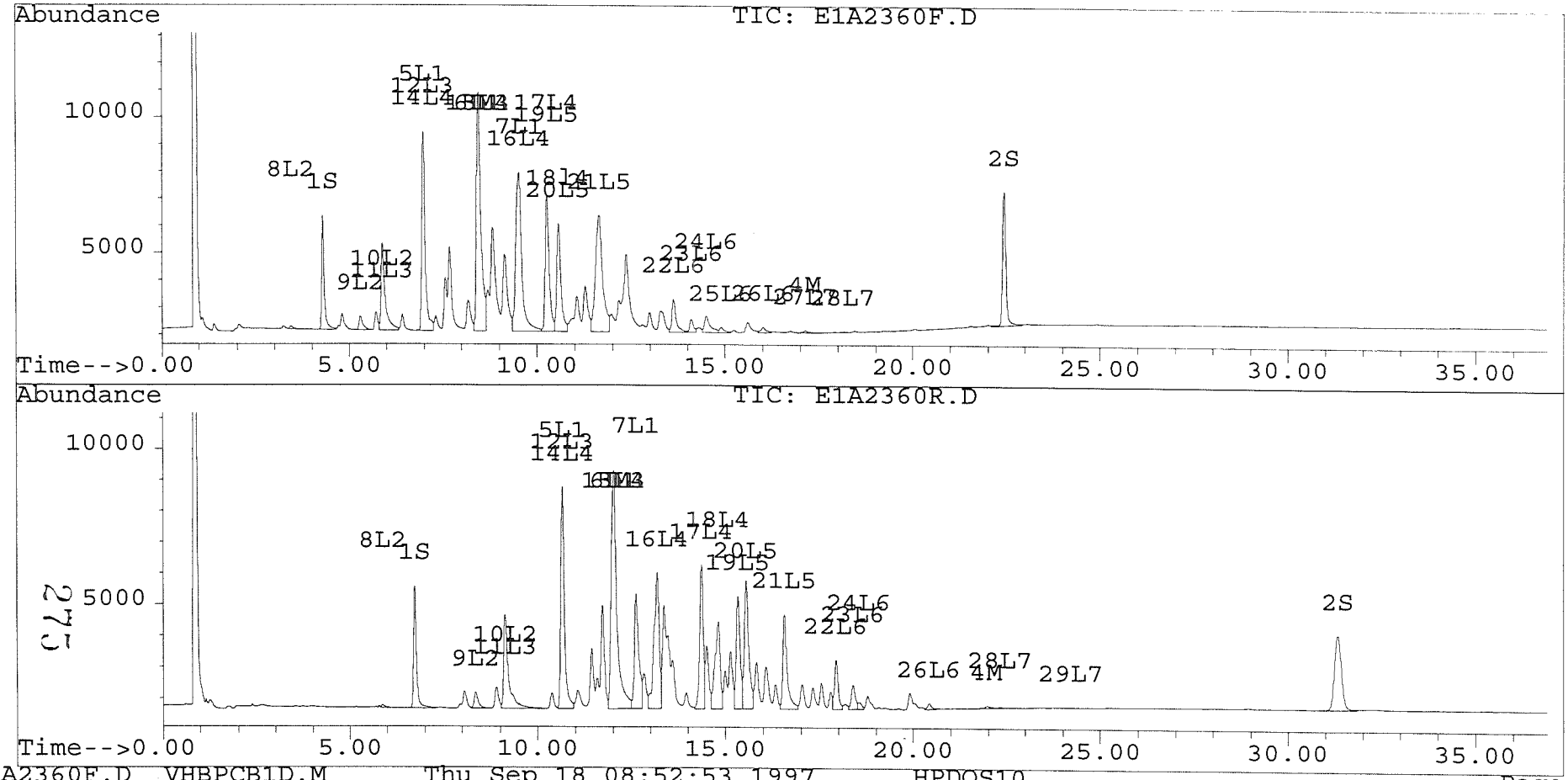
274
9/18/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2360F.D\E1A2360R.D
Acq On : 18 Sep 97 00:29 AM Operator: JS
Sample : AR1242DC,AR1242DC,,AR1242.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D\E1A2361R.D
Acq On : 18 Sep 97 01:09 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.73	4238	3919	19.878	19.535
					Recovery	=	99.39%	97.68%
2)	S	Decachlorobiphenyl	22.43	31.33	4885	2272	19.994	19.031
					Recovery	=	99.97%	95.15%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.47	12.02	127	148	1.781	2.087
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	3034	2754	19.389	17.515
5)	L1	Aroclor-1016	6.98	10.66	142	153	5.201	5.746
6)	L1	Aroclor-1016 {2}	8.47	12.02	127	148	3.350	5.135 #
7)	L1	Aroclor-1016 {3}	0.00	12.62	0	51	N.D.	3.705 #
	Total	Aroclor-1016			269	352	8.551	14.586
	Average	Aroclor-1016					4.276	4.862
8)	L2	Aroclor-1221	3.43	0.00	46	0	5.431	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	33	40	1.886	2.742 #
	Total	Aroclor-1221			79	40	7.317	2.742
	Average	Aroclor-1221					3.658	2.742
11)	L3	Aroclor-1232	5.90	9.14	33	40	2.443	3.406 #
12)	L3	Aroclor-1232 {2}	6.98	10.66	142	153	11.668	12.329
13)	L3	Aroclor-1232 {3}	8.47	12.02	127	148	7.894	12.153 #
	Total	Aroclor-1232			302	342	22.005	27.889
	Average	Aroclor-1232					7.335	9.296
14)	L4	Aroclor-1242	6.98	10.66	142	153	3.872	4.256
15)	L4	Aroclor-1242 {2}	8.47	12.02	127	148	2.876	3.834 #
16)	L4	Aroclor-1242 {3}	0.00	13.18	0	4943	N.D.	227.542 #
17)	L4	Aroclor-1242 (4)	10.25	14.36	2346	2526	96.353	110.329
18)	L4	Aroclor-1242 (5)	10.56	14.81	844	785	42.486	56.363 #
	Total	Aroclor-1242			3459	8555	145.588	402.324
	Average	Aroclor-1242					36.397	80.465
19)	L5	Aroclor-1248	10.25	15.33	2346	2797	99.910	142.795 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2361F.D VHBPCB1D.M Thu Sep 18 08:52:59 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D\E1A2361R.D
Acq On : 18 Sep 97 01:09 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 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	15.55	844	998	43.365	50.184
21) L5	Aroclor-1248 (3)	0.00	16.56	0	707	N.D.	46.319 #
Total	Aroclor-1248			3190	4502	143.276	239.298
Average	Aroclor-1248					71.638	79.766
22) L6	Aroclor-1254	13.61	17.93	12683	13937	216.439	211.494
23) L6	Aroclor-1254 (2)	14.09	18.38	6476	7363	213.311	208.463
24) L6	Aroclor-1254 (3)	14.48	18.56	6654	6013	212.602	210.930
25) L6	Aroclor-1254 (4)	14.88	18.88	5861	6038	218.333	210.423
26) L6	Aroclor-1254 (5)	16.00	20.42	10282	9243	212.619	207.745
Total	Aroclor-1254			41956	42594	1073.303	1049.054
Average	Aroclor-1254					214.661	209.811
27) L7	Aroclor-1260	17.12	21.82	3034	618	109.745	25.202 #
28) L7	Aroclor-1260 (2)	18.10	22.32	1378	1487	27.134	26.014
29) L7	Aroclor-1260 (3)	19.22	24.21	1000	806	26.815	33.720 #
Total	Aroclor-1260			5412	2912	163.695	84.936
Average	Aroclor-1260					54.565	28.312

277

9/19/97

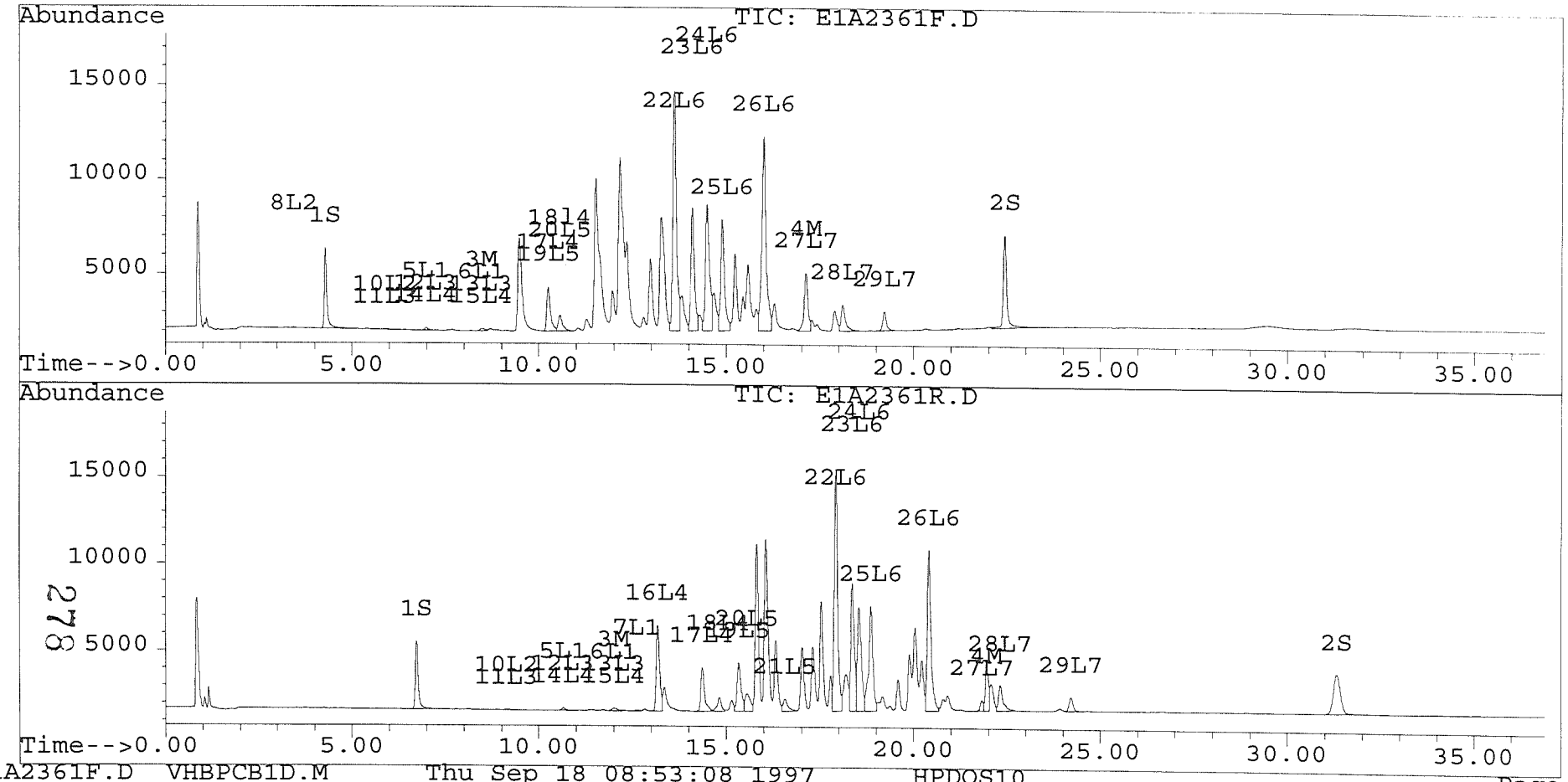
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2361F.D\E1A2361R.D
Acq On : 18 Sep 97 01:09 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D\E1A2362R.D
Acq On : 18 Sep 97 01:50 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.73	4508	4106	21.143	20.469
					Recovery	=	105.72%	102.35%
2)	S	Decachlorobiphenyl	22.43	31.33	5411	2528	22.147	21.169
					Recovery	=	110.74%	105.85%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	12374	10488	173.265	147.681
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.97	10315	2559	65.925	16.276 #
5)	L1	Aroclor-1016	6.97	10.65	9894	9463	362.697	354.868
6)	L1	Aroclor-1016 (2)	8.43f	12.01	12374	10488	325.922	363.320
7)	L1	Aroclor-1016 (3)	9.51	12.61	7842	4920	363.104	358.273
		Total Aroclor-1016			30109	24871	1051.723	1076.460
		Average Aroclor-1016					350.574	358.820
8)	L2	Aroclor-1221	3.43	5.87	102	52	12.002	7.021 #
9)	L2	Aroclor-1221 (2)	5.29	8.35	551	557	85.003	91.111
10)	L2	Aroclor-1221 (3)	5.88	9.13	3754	3482	216.388	236.863
		Total Aroclor-1221			4407	4090	313.392	334.995
		Average Aroclor-1221					104.464	111.665
11)	L3	Aroclor-1232	5.88	9.13	3754	3482	280.353	294.276
12)	L3	Aroclor-1232 (2)	6.97	10.65	9894	9463	813.600	761.503
13)	L3	Aroclor-1232 (3)	8.43f	12.01	12374	10488	768.030	859.796
		Total Aroclor-1232			26022	23433	1861.983	1915.575
		Average Aroclor-1232					620.661	638.525
14)	L4	Aroclor-1242	6.97	10.65	9894	9463	270.023	262.842
15)	L4	Aroclor-1242 (2)	8.43	12.01	12374	10488	279.842	271.239
16)	L4	Aroclor-1242 (3)	9.51	13.18	7842	5680	275.813	261.464
17)	L4	Aroclor-1242 (4)	10.25	14.36	6302	5480	258.846	239.331
18)	L4	Aroclor-1242 (5)	10.56	14.81	4612	3038	232.133	218.288
		Total Aroclor-1242			41023	34149	1316.658	1253.163
		Average Aroclor-1242					263.332	250.633
19)	L5	Aroclor-1248	10.25	15.33	6302	720	268.402	36.741 #

279

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D\E1A2362R.D
Acq On : 18 Sep 97 01:50 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 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	4612	1346	236.934	67.655 #
21) L5 Aroclor-1248 {3}	0.00	16.57	0	172	N.D.	11.276 #
Total Aroclor-1248			10914	2238	505.336	115.673
Average Aroclor-1248					252.668	38.558
22) L6 Aroclor-1254	13.62	17.91	7105	6876	121.252	104.347
23) L6 Aroclor-1254 {2}	14.09	0.00	11896	0	391.822	N.D. #
24) L6 Aroclor-1254 {3}	14.48	18.56	1218	12243	38.930	429.472 #
25) L6 Aroclor-1254 (4)	14.88	18.88	12723	13480	473.915	469.725
26) L6 Aroclor-1254 (5)	16.00	20.42	13073	11821	270.348	265.704
Total Aroclor-1254			46015	44420	1296.267	1269.247
Average Aroclor-1254					259.253	317.312
27) L7 Aroclor-1260	17.12	21.82	10315	8801	373.155	358.755
28) L7 Aroclor-1260 {2}	18.09	22.31	19384	20934	381.686	366.246
29) L7 Aroclor-1260 {3}	19.21	24.21	14097	8597	378.017	359.436
Total Aroclor-1260			43796	38332	1132.857	1084.437
Average Aroclor-1260					377.619	361.479

280

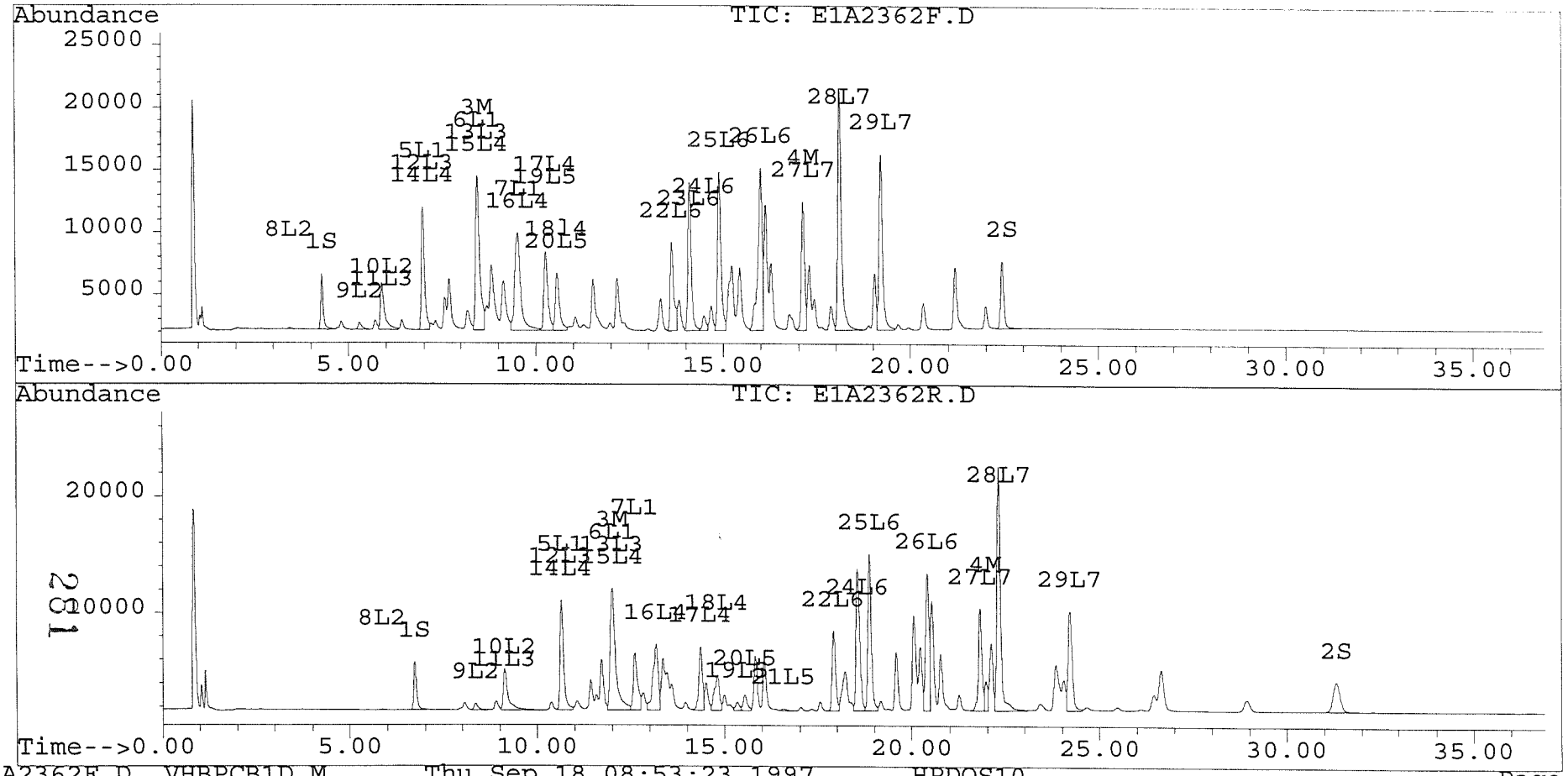
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2362F.D\E1A2362R.D
Acq On : 18 Sep 97 01:50 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D\E1A2373R.D
Acq On : 18 Sep 97 09:16 AM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:27 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	4128	3954	19.361	19.711	
					Recovery	=	96.81%	98.55%	
2)	S	Decachlorobiphenyl	22.43	31.32	5178	2441	21.196	20.440	
					Recovery	=	105.98%	102.20%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.44	12.01	5160	4639	72.257	65.324	
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	277	281	1.773	1.789	
5)	L1	Aroclor-1016	6.98	10.65	3706	3688	135.844	138.292	
6)	L1	Aroclor-1016 (2)	8.44	12.01	5160	4639	135.920	160.707	
7)	L1	Aroclor-1016 (3)	9.51	12.61	9444	1729	437.300	125.901	#
	Total	Aroclor-1016			18310	10056	709.064	424.901	
	Average	Aroclor-1016					236.355	141.634	
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.	
9)	L2	Aroclor-1221 (2)	5.29	8.35	33	31	5.131	5.007	
10)	L2	Aroclor-1221 (3)	5.89	9.14	268	278	15.443	18.891	
	Total	Aroclor-1221			301	308	20.575	23.898	
	Average	Aroclor-1221					10.287	11.949	
11)	L3	Aroclor-1232	5.89	9.14	268	278	20.008	23.470	
12)	L3	Aroclor-1232 (2)	6.98	10.65	3706	3688	304.726	296.758	
13)	L3	Aroclor-1232 (3)	8.44	12.01	5160	4639	320.292	380.313	
	Total	Aroclor-1232			9134	8605	645.027	700.542	
	Average	Aroclor-1232					215.009	233.514	
14)	L4	Aroclor-1242	6.98	10.65	3706	3688	101.134	102.430	
15)	L4	Aroclor-1242 (2)	8.44	12.01	5160	4639	116.703	119.977	
16)	L4	Aroclor-1242 (3)	9.51	13.18	9444	6884	332.173	316.879	
17)	L4	Aroclor-1242 (4)	10.25	14.36	8322	7435	341.845	324.735	
18)	L4	Aroclor-1242 (5)	10.56	14.81	6779	4799	341.202	344.750	
	Total	Aroclor-1242			33411	27445	1233.057	1208.770	
	Average	Aroclor-1242					246.611	241.754	
19)	L5	Aroclor-1248	10.25	15.33	8322	6850	354.465	349.710	

282

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D\E1A2373R.D
Acq On : 18 Sep 97 09:16 AM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:27 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	15.54	6779	6975	348.259	350.640	
21) L5	Aroclor-1248 {3}	11.63	16.56	8347	5274	359.690	345.470	
Total	Aroclor-1248			23448	19098	1062.414	1045.821	
Average	Aroclor-1248					354.138	348.607	
22) L6	Aroclor-1254	13.62	17.93	3916	4579	66.826	69.486	
23) L6	Aroclor-1254 {2}	14.09	18.38	1542	2568	50.785	72.688	#
24) L6	Aroclor-1254 {3}	14.49	18.55	2115	706	67.585	24.774	#
25) L6	Aroclor-1254 (4)	14.89	0.00	547	0	20.372	N.D.	#
26) L6	Aroclor-1254 (5)	16.01	20.43	729	749	15.069	16.824	
Total	Aroclor-1254			8849	8601	220.637	183.773	
Average	Aroclor-1254					44.127	45.943	
27) L7	Aroclor-1260	17.12	21.83	277	133	10.038	5.439	#
28) L7	Aroclor-1260 {2}	18.11	22.31	117	170	2.309	2.978	#
29) L7	Aroclor-1260 {3}	19.22	24.21	97	75	2.594	3.125	
Total	Aroclor-1260			491	378	14.941	11.542	
Average	Aroclor-1260					4.980	3.847	

283

9/19/97

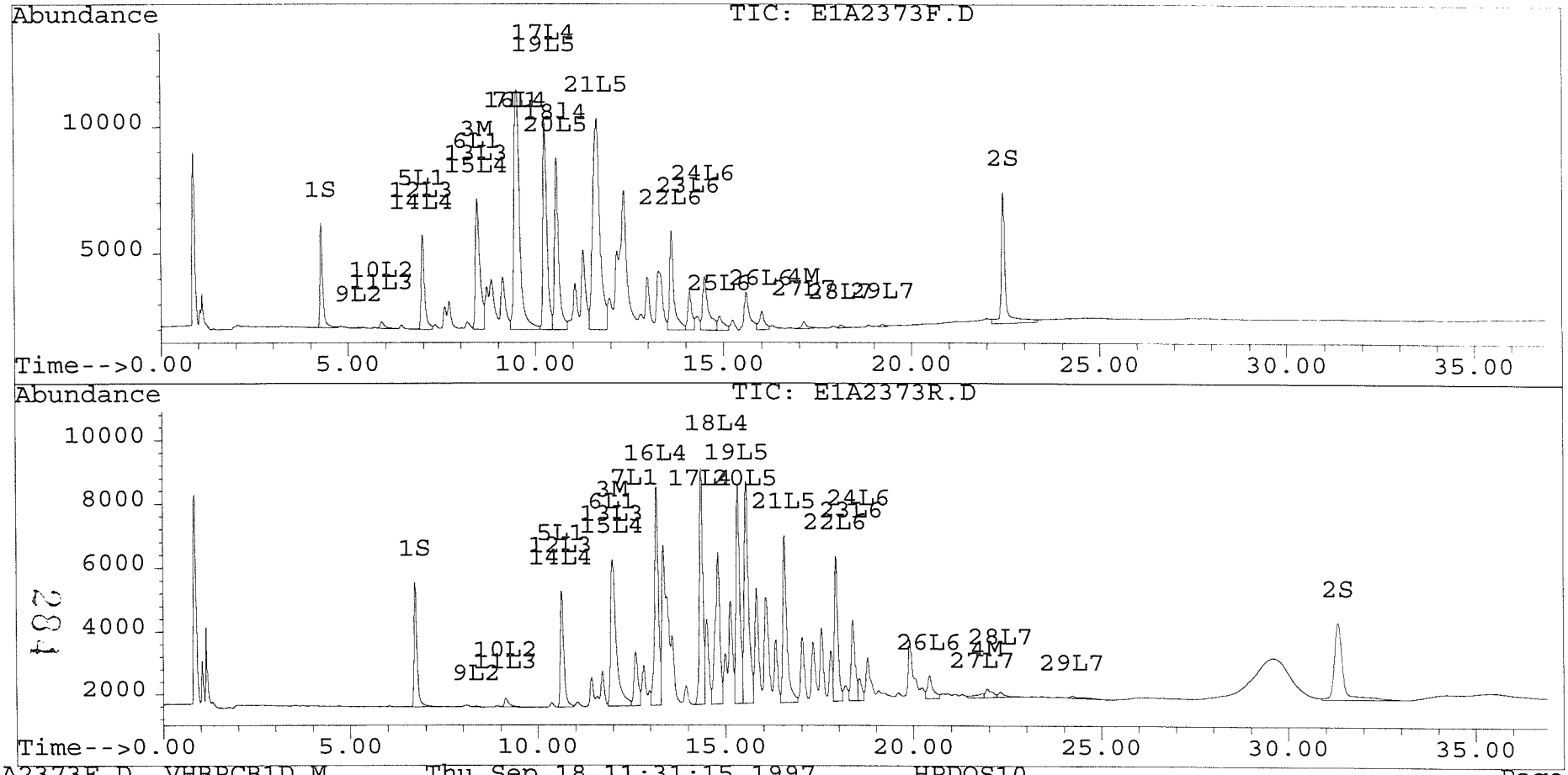
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2373F.D\E1A2373R.D
Acq On : 18 Sep 97 09:16 AM Operator: JS
Sample : AR1248DC,AR1248DC,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 11:27 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D\E1A2374R.D
Acq On : 18 Sep 97 09:56 AM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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	1859	1808	8.719	9.014
					Recovery	=	43.59%	45.07%
2)	S	Decachlorobiphenyl	22.43	31.32	2433	1202	9.957m	10.069
					Recovery	=	49.79%	50.35%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.02	74883	74741	1048.565	1052.413
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	168130	164684	1074.589	1047.561
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	8.42f	12.02	74883	74741	1972.416	2589.110
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			74883	74741	1972.416	2589.110
		Average Aroclor-1016					1972.416	2589.110
8)	L2	Aroclor-1221	3.43	0.00	64	0	7.543	N.D. #
9)	L2	Aroclor-1221 {2}	5.28	8.34	87	86	13.416	14.067
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			151	86	20.959	14.067
		Average Aroclor-1221					10.479	14.067
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	74883	74741	4647.964	6127.124
		Total Aroclor-1232			74883	74741	4647.964	6127.124
		Average Aroclor-1232					4647.964	6127.124
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	8.42f	12.02	74883	74741	1693.550	1932.919
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	111	0	5.588	N.D. #
		Total Aroclor-1242			74994	74741	1699.139	1932.919
		Average Aroclor-1242					849.569	1932.919
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

285

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D\E1A2374R.D
Acq On : 18 Sep 97 09:56 AM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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)	10.52f	15.57	111	21	5.704	1.060 #
21) L5 Aroclor-1248 (3)	0.00	16.59	0	14	N.D.	0.903 #
Total Aroclor-1248			111	35	5.704	1.963
Average Aroclor-1248					5.704	0.982
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 (2)	14.10	0.00	429	0	14.140	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			429	0	14.140	N.D.
Average Aroclor-1254					14.140	0.000
27) L7 Aroclor-1260	17.11	0.00	168130	0	6082.450	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	93	282	2.494	11.810 #
Total Aroclor-1260			168223	282	6084.944	11.810
Average Aroclor-1260					3042.472	11.810

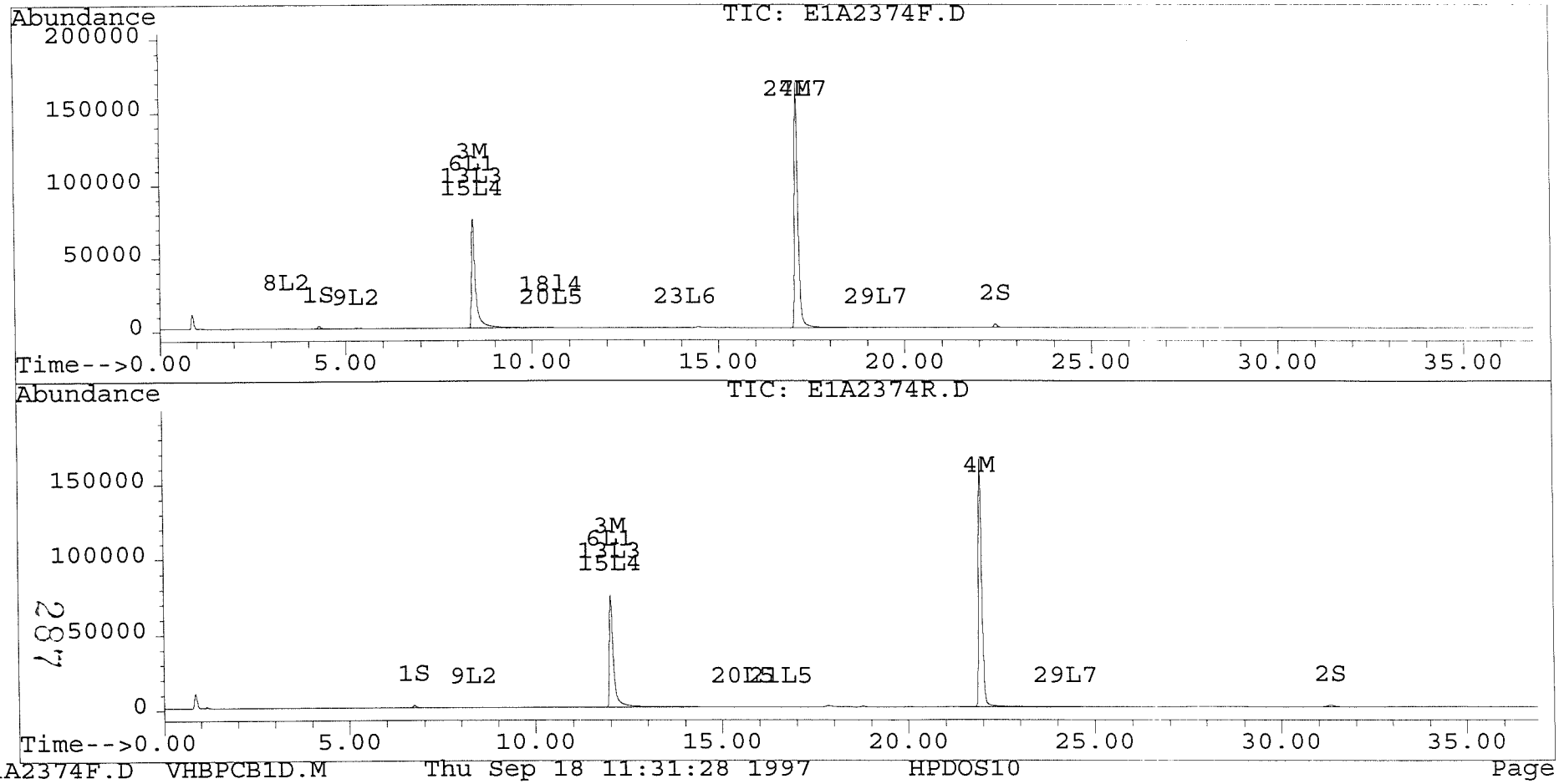
286
9/18/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2374F.D\E1A2374R.D
Acq On : 18 Sep 97 09:56 AM Operator: JS
Sample : COGDC,COGDC,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2375F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2375F.D\E1A2375R.D
Acq On : 18 Sep 97 10:37 AM Operator: JS
Sample : AR1242DC,AR1242DC,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 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	3908	3685	18.329	18.372
				Recovery	=	91.65%	91.86%
2) S	Decachlorobiphenyl	22.43	31.32	4522	2226	18.508m	18.643
				Recovery	=	92.54%	93.22%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.43	12.02	8266	7242	115.742	101.968
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	76	133	0.484	0.849 #
5) L1	Aroclor-1016	6.97	10.65	6942	6800	254.485	255.003
6) L1	Aroclor-1016 {2}	8.43	12.02	8266	7242	217.718	250.858
7) L1	Aroclor-1016 {3}	9.51	12.61	5583	3463	258.516	252.218
Total	Aroclor-1016			20791	17505	730.719	758.079
Average	Aroclor-1016					243.573	252.693
8) L2	Aroclor-1221	3.43	5.87	98	74	11.580	10.074
9) L2	Aroclor-1221 {2}	5.29	8.35	470	483	72.445	79.041
10) L2	Aroclor-1221 {3}	5.88	9.13	2995	2834	172.614	192.799
Total	Aroclor-1221			3563	3391	256.639	281.915
Average	Aroclor-1221					85.546	93.972
11) L3	Aroclor-1232	5.88	9.13	2995	2834	223.639	239.531
12) L3	Aroclor-1232 {2}	6.97	10.65	6942	6800	570.860	547.206
13) L3	Aroclor-1232 {3}	8.43	12.02	8266	7242	513.048	593.655
Total	Aroclor-1232			18202	16876	1307.548	1380.392
Average	Aroclor-1232					435.849	460.131
14) L4	Aroclor-1242	6.97	10.65	6942	6800	189.461	188.875
15) L4	Aroclor-1242 {2}	8.43	12.02	8266	7242	186.936	187.280
16) L4	Aroclor-1242 {3}	9.51	13.18	5583	4171	196.369	191.982
17) L4	Aroclor-1242 (4)	10.25	14.36	4746	4361	194.950	190.472
18) L4	Aroclor-1242 (5)	10.56	14.81	3775	2600	190.010	186.787
Total	Aroclor-1242			29312	25173	957.726	945.395
Average	Aroclor-1242					191.545	189.079
19) L5	Aroclor-1248	10.25	15.33	4746	3427	202.148	174.947

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2375F.D VHBPCB1D.M Thu Sep 18 11:31:34 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D\E1A2376R.D
Acq On : 18 Sep 97 11:17 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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	4068	3765	19.079	18.770
				Recovery	=	95.40%	93.85%
2) S	Decachlorobiphenyl	22.43	31.32	4688	2297	19.189	19.240
				Recovery	=	95.95%	96.20%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.02	122	142	1.713	2.003
4) M	2,2',3,3',4,4'-Hexa	17.12	21.95	2971	2700	18.987	17.178
5) L1	Aroclor-1016	6.98	10.65	136	145	5.000	5.449
6) L1	Aroclor-1016 {2}	8.47	12.02	122	142	3.222	4.927 #
7) L1	Aroclor-1016 {3}	0.00	12.62	0	48	N.D.	3.515 #
Total	Aroclor-1016			259	336	8.221	13.891
Average	Aroclor-1016					4.111	4.630
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}	5.89	9.14	33	38	1.886	2.613 #
Total	Aroclor-1221			33	38	1.886	2.613
Average	Aroclor-1221					1.886	2.613
11) L3	Aroclor-1232	5.89	9.14	33	38	2.444	3.247 #
12) L3	Aroclor-1232 {2}	6.98	10.65	136	145	11.216	11.692
13) L3	Aroclor-1232 {3}	8.47	12.02	122	142	7.591	11.660 #
Total	Aroclor-1232			291	326	21.251	26.598
Average	Aroclor-1232					7.084	8.866
14) L4	Aroclor-1242	6.98	10.65	136	145	3.722	4.036
15) L4	Aroclor-1242 {2}	8.47	12.02	122	142	2.766	3.678 #
16) L4	Aroclor-1242 {3}	0.00	13.18	0	4740	N.D.	218.196 #
17) L4	Aroclor-1242 (4)	10.25	14.36	2245	2472	92.205	107.983
18) L4	Aroclor-1242 (5)	10.56	14.81	804	753	40.456	54.095 #
Total	Aroclor-1242			3307	8253	139.150	387.988
Average	Aroclor-1242					34.788	77.598
19) L5	Aroclor-1248	10.25	15.33	2245	2747	95.609	140.246 #

291

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D\E1A2376R.D
Acq On : 18 Sep 97 11:17 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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	804	984	41.293	49.454
21) L5	Aroclor-1248 {3}	0.00	16.56	0	699	N.D.	45.775 #
Total	Aroclor-1248			3049	4429	136.902	235.475
Average	Aroclor-1248					68.451	78.492
22) L6	Aroclor-1254	13.61	17.93	12432	13539	212.148	205.455
23) L6	Aroclor-1254 {2}	14.09	18.37	6283	7254	206.946	205.352
24) L6	Aroclor-1254 {3}	14.48	18.56	6550	5759	209.295	202.020
25) L6	Aroclor-1254 (4)	14.89	18.87	5582	5871	207.940	204.587
26) L6	Aroclor-1254 (5)	16.00	20.42	10046	9076	207.734	203.995
Total	Aroclor-1254			40893	41498	1044.063	1021.408
Average	Aroclor-1254					208.813	204.282
27) L7	Aroclor-1260	17.12	21.82	2971	633	107.470	25.804 #
28) L7	Aroclor-1260 {2}	18.10	22.31	1331	1473	26.213	25.771
29) L7	Aroclor-1260 {3}	19.22	24.21	962	796	25.789	33.291 #
Total	Aroclor-1260			5264	2902	159.473	84.866
Average	Aroclor-1260					53.158	28.289

292

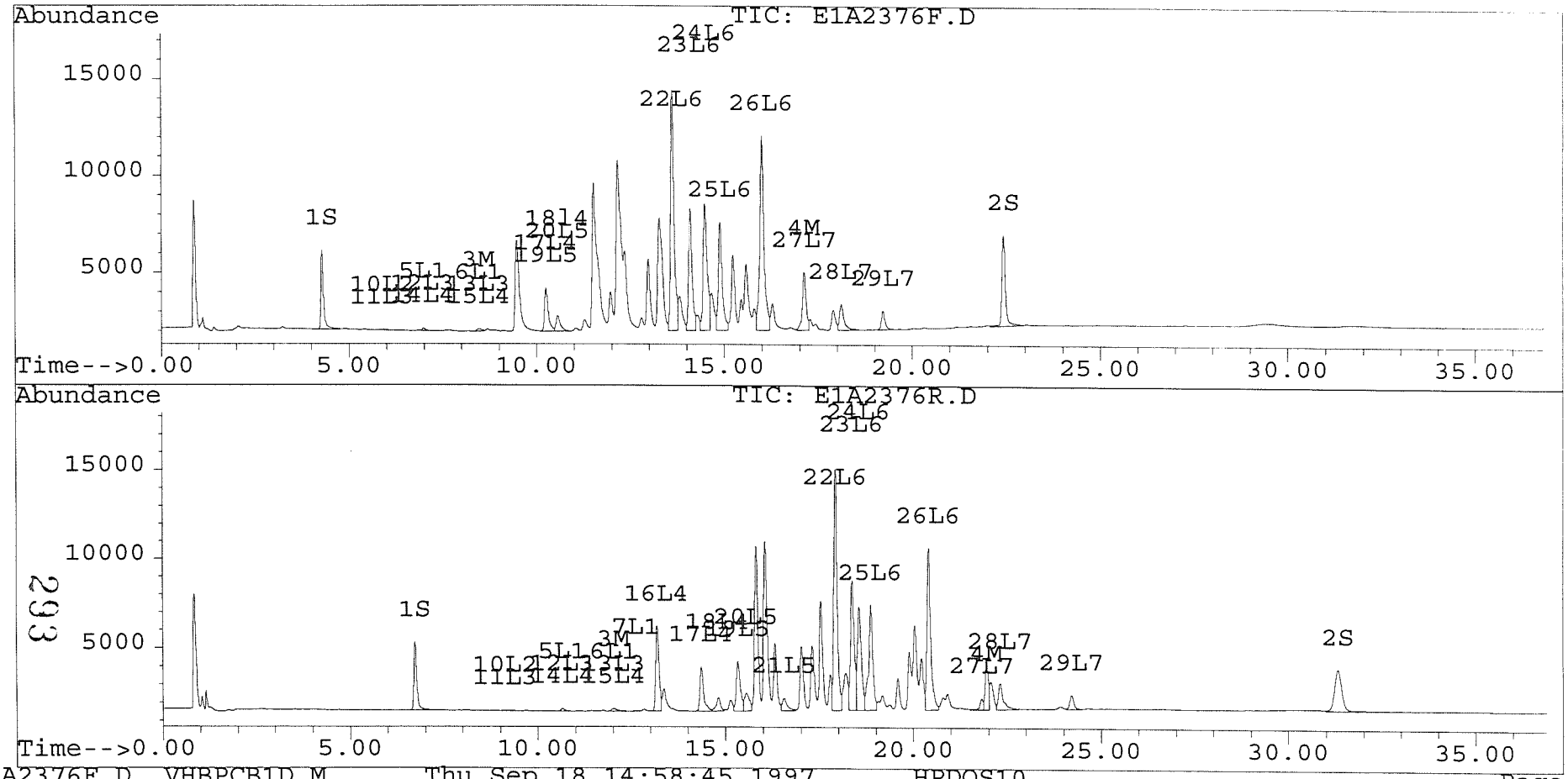
9/9/18/91

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2376F.D\E1A2376R.D
Acq On : 18 Sep 97 11:17 AM Operator: JS
Sample : AR1254DC,AR1254DC,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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



293

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D\E1A2377R.D
Acq On : 18 Sep 97 11:58 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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	4102	3907	19.239	19.476
					Recovery	=	96.20%	97.38%
2)	S	Decachlorobiphenyl	22.43	31.32	5289	2483	21.648	20.798
					Recovery	=	108.24%	103.99%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	11835	10150	165.721	142.913
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.97	10225	2522	65.352	16.041 #
5)	L1	Aroclor-1016	6.97	10.65	9518	9192	348.898	344.719
6)	L1	Aroclor-1016 (2)	8.43	12.01	11835	10150	311.732	351.589
7)	L1	Aroclor-1016 (3)	9.51	12.61	7634	4796	353.502	349.258
		Total Aroclor-1016			28987	24138	1014.132	1045.566
		Average Aroclor-1016					338.044	348.522
8)	L2	Aroclor-1221	3.43	5.87	76	51	8.924	6.905
9)	L2	Aroclor-1221 (2)	5.29	8.35	520	533	80.292	87.202
10)	L2	Aroclor-1221 (3)	5.88	9.13	3553	3348	204.796	227.758
		Total Aroclor-1221			4149	3931	294.012	321.866
		Average Aroclor-1221					98.004	107.289
11)	L3	Aroclor-1232	5.88	9.13	3553	3348	265.335	282.964
12)	L3	Aroclor-1232 (2)	6.97	10.65	9518	9192	782.647	739.725
13)	L3	Aroclor-1232 (3)	8.43	12.01	11835	10150	734.592	832.036
		Total Aroclor-1232			24905	22690	1782.574	1854.725
		Average Aroclor-1232					594.191	618.242
14)	L4	Aroclor-1242	6.97	10.65	9518	9192	259.750	255.325
15)	L4	Aroclor-1242 (2)	8.43	12.01	11835	10150	267.659	262.482
16)	L4	Aroclor-1242 (3)	9.51	13.18	7634	5525	268.520	254.298
17)	L4	Aroclor-1242 (4)	10.25	14.36	6138	5381	252.146	235.028
18)	L4	Aroclor-1242 (5)	10.56	14.81	4441	2980	223.505	214.116
		Total Aroclor-1242			39566	33228	1271.579	1221.249
		Average Aroclor-1242					254.316	244.250
19)	L5	Aroclor-1248	10.25	15.33	6138	695	261.454	35.481 #

294

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D\E1A2377R.D
Acq On : 18 Sep 97 11:58 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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	4441	1316	228.128	66.177 #
21) L5	Aroclor-1248 (3)	0.00	16.57	0	166	N.D.	10.858 #
Total	Aroclor-1248			10579	2177	489.583	112.517
Average	Aroclor-1248					244.791	37.506
22) L6	Aroclor-1254	13.62	17.91	7012	6814	119.664	103.405
23) L6	Aroclor-1254 (2)	14.09	0.00	11740	0	386.711	N.D. #
24) L6	Aroclor-1254 (3)	14.48	18.56	1187	12091	37.932	424.162 #
25) L6	Aroclor-1254 (4)	14.88	18.88	12557	13308	467.743	463.738
26) L6	Aroclor-1254 (5)	16.00	20.42	12941	11442	267.613	257.191
Total	Aroclor-1254			45438	43656	1279.663	1248.496
Average	Aroclor-1254					255.933	312.124
27) L7	Aroclor-1260	17.12	21.82	10225	8626	369.911	351.605
28) L7	Aroclor-1260 (2)	18.09	22.31	18991	20821	373.951	364.281
29) L7	Aroclor-1260 (3)	19.21	24.21	13939	8582	373.789	358.813
Total	Aroclor-1260			43155	38029	1117.651	1074.699
Average	Aroclor-1260					372.550	358.233

295

9/19/97

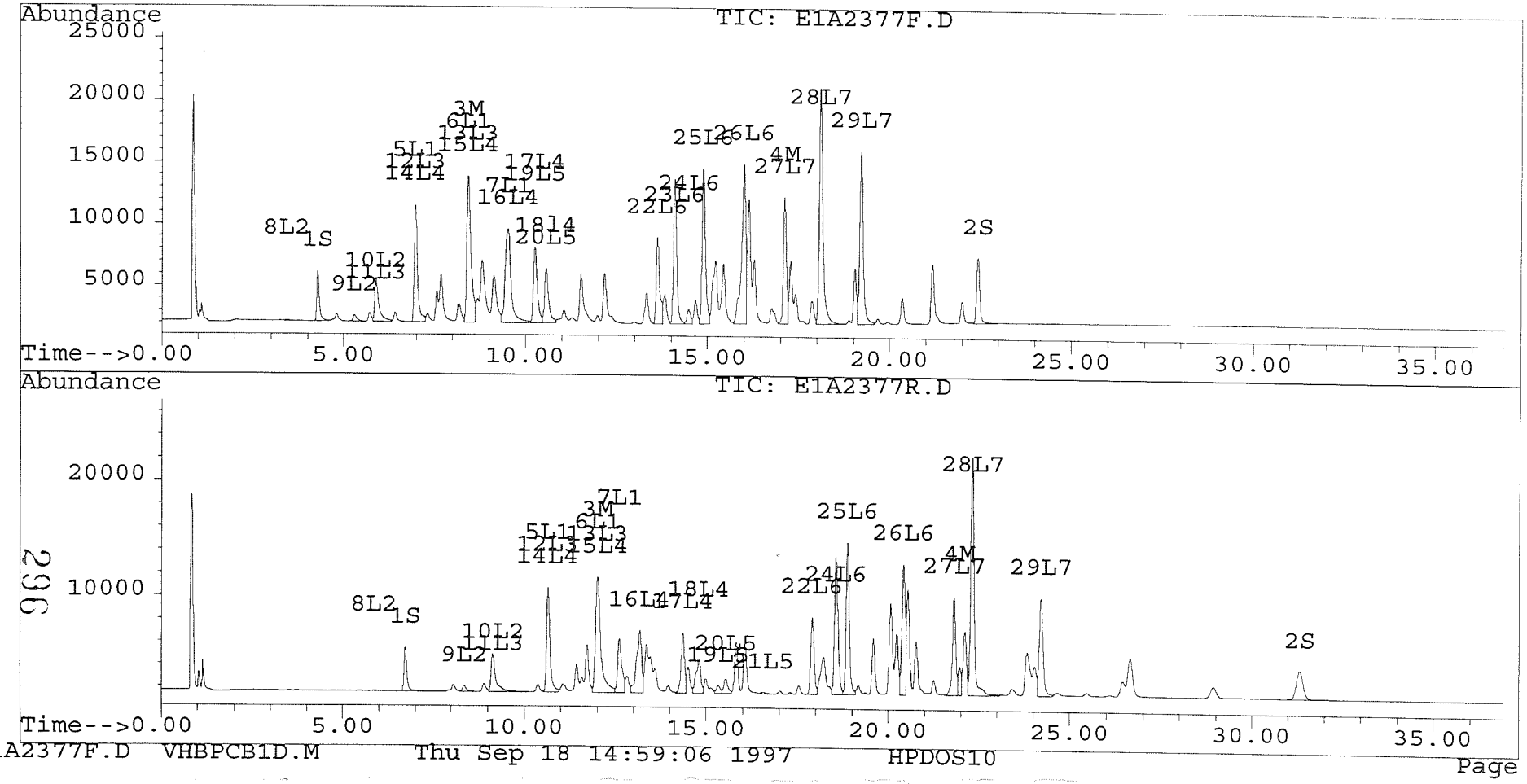
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970917\E1A2377F.D\E1A2377R.D
Acq On : 18 Sep 97 11:58 AM Operator: JS
Sample : AR1660DC,AR1660DC,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 18 13:05 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



296

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D\E1A2388R.D
Acq On : 18 Sep 97 08:06 PM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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						
1) S	Tetrachloro-m-xylen	4.27	6.73	4466	4169	20.949	20.785
				Recovery	=	104.75%	103.93%
2) S	Decachlorobiphenyl	22.43	31.32	5063	2423	20.723m	20.293
				Recovery	=	103.62%	101.47%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.44	12.01	5288	4839	74.051	68.141
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	249	204	1.593	1.299
5) L1	Aroclor-1016	6.97	10.65	3860	3814	141.508	143.040
6) L1	Aroclor-1016 {2}	8.44	12.01	5288	4839	139.294	167.639
7) L1	Aroclor-1016 {3}	9.50	12.61	9650	1800	446.853	131.083 #
Total	Aroclor-1016			18799	10454	727.655	441.761
Average	Aroclor-1016					242.552	147.254
8) L2	Aroclor-1221	3.43	0.00	38	0	4.437	N.D. #
9) L2	Aroclor-1221 {2}	5.28	8.35	35	30	5.384	4.871
10) L2	Aroclor-1221 {3}	5.89	9.14	279	294	16.065	20.030
Total	Aroclor-1221			351	324	25.886	24.901
Average	Aroclor-1221					8.629	12.450
11) L3	Aroclor-1232	5.89	9.14	279	294	20.814	24.885
12) L3	Aroclor-1232 {2}	6.97	10.65	3860	3814	317.430	306.946
13) L3	Aroclor-1232 {3}	8.44	12.01	5288	4839	328.244	396.717
Total	Aroclor-1232			9427	8948	666.489	728.548
Average	Aroclor-1232					222.163	242.849
14) L4	Aroclor-1242	6.97	10.65	3860	3814	105.351	105.946
15) L4	Aroclor-1242 {2}	8.44	12.01	5288	4839	119.600	125.152
16) L4	Aroclor-1242 {3}	9.50	13.18	9650	7050	339.429	324.503
17) L4	Aroclor-1242 (4)	10.25	14.36	8497	7558	349.016	330.106
18) L4	Aroclor-1242 (5)	10.56	14.81	6901	4899	347.332	351.938
Total	Aroclor-1242			34196	28160	1260.728	1237.645
Average	Aroclor-1242					252.146	247.529
19) L5	Aroclor-1248	10.25	15.32	8497	6962	361.901	355.441

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2388F.D VHBPCB1D.M Fri Sep 19 08:45:31 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D\E1A2388R.D
Acq On : 18 Sep 97 08:06 PM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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}	10.56	15.54	6901	7063	354.516	355.056
21) L5	Aroclor-1248 {3}	11.63	16.56	8450	5390	364.100	353.085
Total	Aroclor-1248			23847	19415	1080.517	1063.582
Average	Aroclor-1248					360.172	354.527
22) L6	Aroclor-1254	13.61	17.93	3887	4607	66.324	69.906
23) L6	Aroclor-1254 {2}	14.09	18.38	1509	2514	49.715	71.165 #
24) L6	Aroclor-1254 {3}	14.49	18.55	2056	650	65.706	22.811 #
25) L6	Aroclor-1254 (4)	14.89	0.00	491	0	18.290	N.D. #
26) L6	Aroclor-1254 (5)	16.00	20.43	681	611	14.089	13.732
Total	Aroclor-1254			8625	8382	214.123	177.614
Average	Aroclor-1254					42.825	44.404
27) L7	Aroclor-1260	17.12	21.83	249	47	9.016	1.925 #
28) L7	Aroclor-1260 {2}	18.11	22.31	114	127	2.254	2.226
29) L7	Aroclor-1260 {3}	19.22	24.21	78	57	2.078	2.363
Total	Aroclor-1260			441	231	13.348	6.515
Average	Aroclor-1260					4.449	2.172

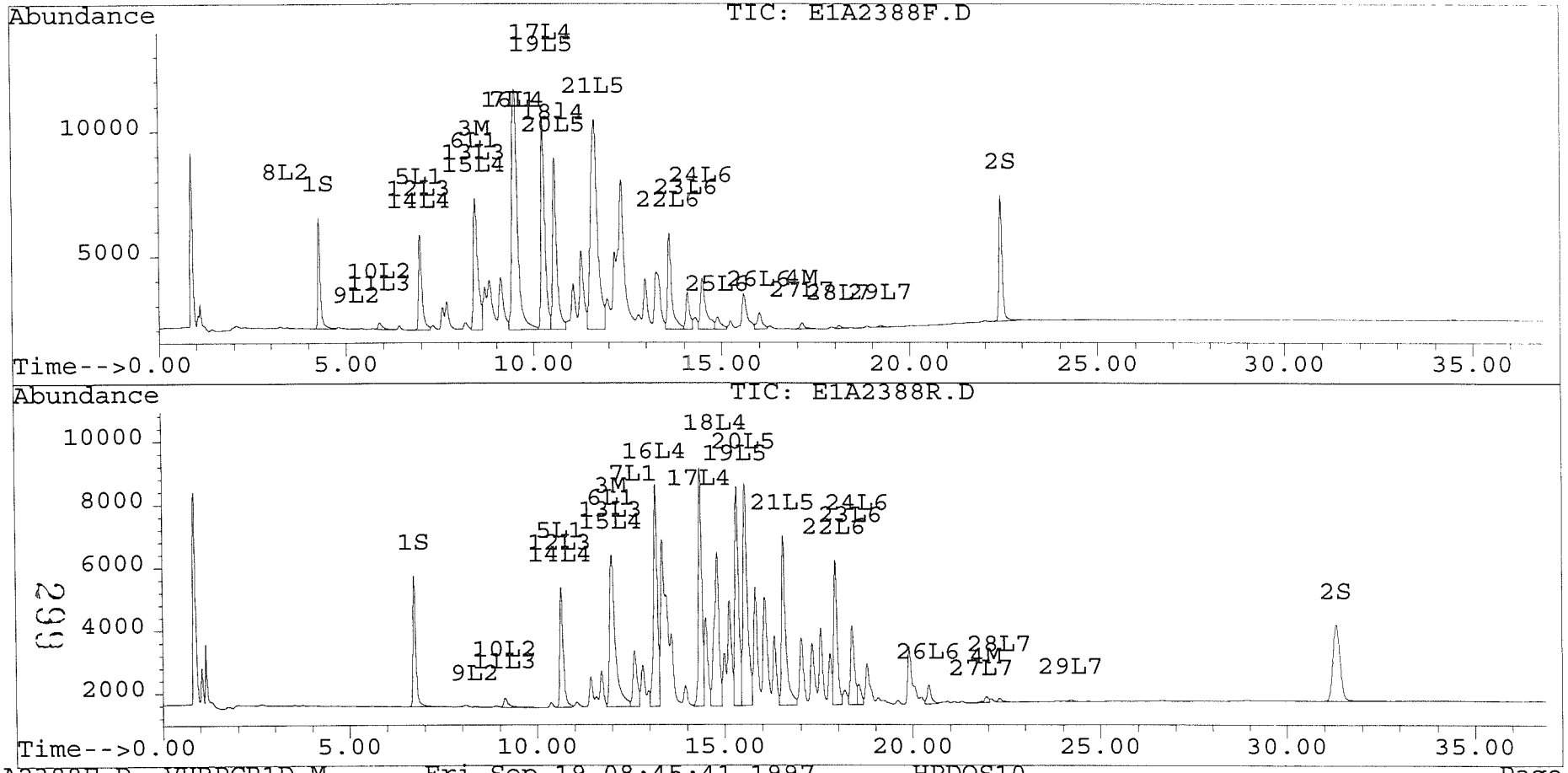
298
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2388F.D\E1A2388R.D
Acq On : 18 Sep 97 08:06 PM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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\970918\E1A2389F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2389F.D\E1A2389R.D
Acq On : 18 Sep 97 08:47 PM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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						
1) S Tetrachloro-m-xylen	4.28	6.73	1987	1848	9.321	9.211
			Recovery	=	46.61%	46.06%
2) S Decachlorobiphenyl	22.43	31.32	2452	1163	10.037m	9.738
			Recovery	=	50.19%	48.69%
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.41	12.02	75673	75439	1059.625	1062.234
4) M 2,2',3,3',4,4'-Hexa	17.11	21.95	167548	162946	1070.865	1036.505
5) L1 Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1 Aroclor-1016 {2}	0.00	12.02	0	75439	N.D.	2613.270
7) L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1016			0	75439	N.D.	2613.270
Average Aroclor-1016					0.000	2613.270
8) L2 Aroclor-1221	3.43	0.00	24	0	2.816	N.D. #
9) L2 Aroclor-1221 {2}	5.28	8.34	87	92	13.405	14.980
10) L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1221			111	92	16.221	14.980
Average Aroclor-1221					8.111	14.980
11) L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3 Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3 Aroclor-1232 {3}	0.00	12.02	0	75439	N.D.	6184.300
Total Aroclor-1232			0	75439	N.D.	6184.300
Average Aroclor-1232					0.000	6184.300
14) L4 Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4 Aroclor-1242 {2}	8.41f	12.02	75673	75439	1711.413	1950.956
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			75673	75439	1711.413	1950.95
Average Aroclor-1242					1711.413	1950.95
19) L5 Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

300

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2389F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2389F.D\E1A2389R.D
Acq On : 18 Sep 97 08:47 PM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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	15.56	0	35	N.D.	1.771 #
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			0	35	N.D.	1.771
Average	Aroclor-1248					0.000	1.771
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 (2)	14.10	0.00	425	0	13.988	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			425	0	13.988	N.D.
Average	Aroclor-1254					13.988	0.000
27) L7	Aroclor-1260	17.11	0.00	167548	0	6061.373	N.D. #
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 (3)	19.23	24.21	83	89	2.217	3.705 #
Total	Aroclor-1260			167630	89	6063.590	3.705
Average	Aroclor-1260					3031.795	3.705

301
9/19/97

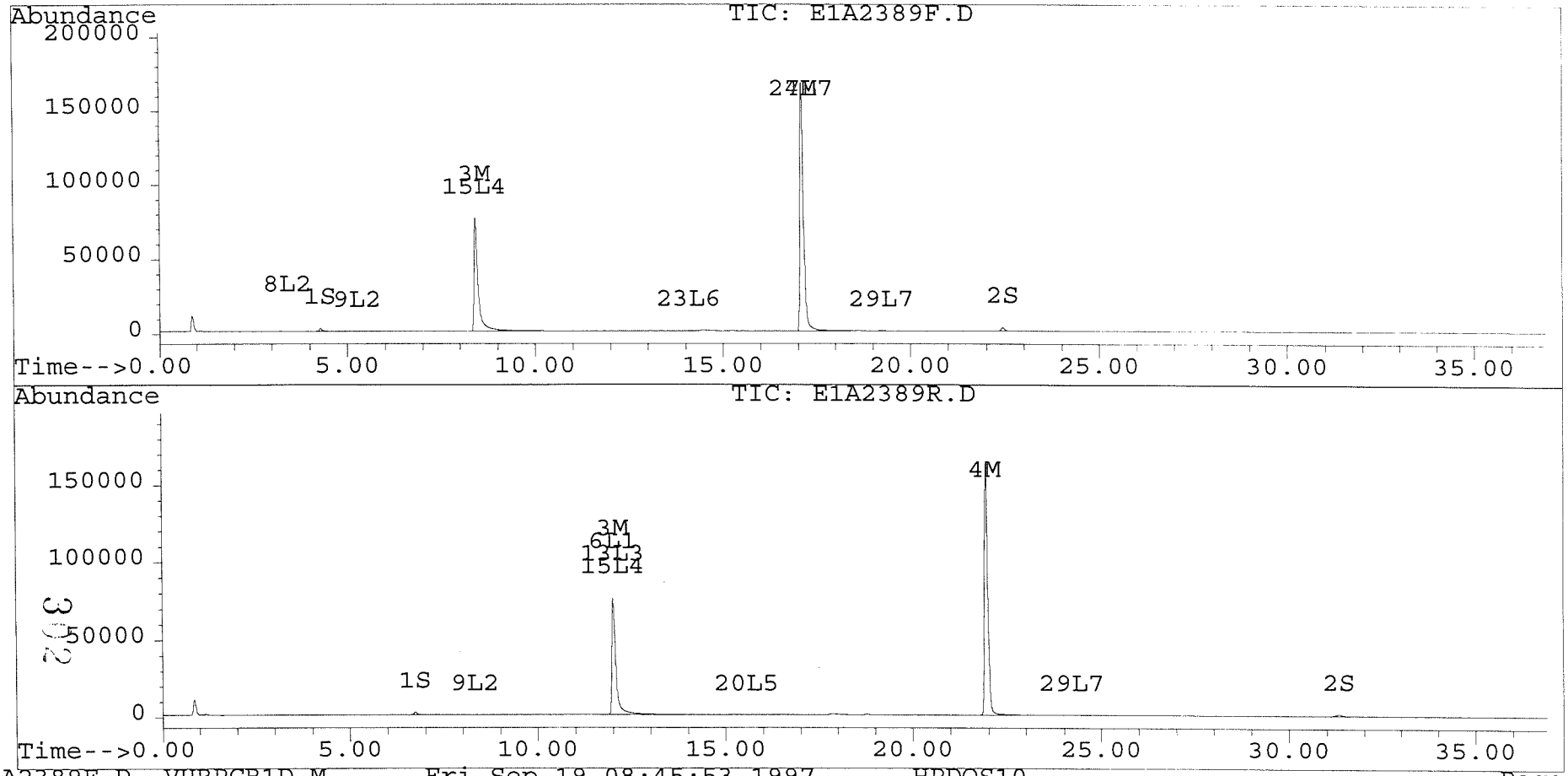
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2389F.D Vial: 42
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2389F.D\E1A2389R.D
Acq On : 18 Sep 97 08:47 PM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 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\970918\E1A2390F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D\E1A2390R.D
Acq On : 18 Sep 97 09:27 PM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	4568	4108	21.427	20.479
				Recovery	=	107.14%	102.40%
2) S	Decachlorobiphenyl	22.43	31.32	5069	2397	20.751	20.078
				Recovery	=	103.76%	100.39%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.43	12.01	8989	7838	125.868	110.360
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	70	80	0.445	0.511
5) L1	Aroclor-1016	6.97	10.65	7560	7349	277.142	275.587
6) L1	Aroclor-1016 (2)	8.43	12.01	8989	7838	236.765	271.503
7) L1	Aroclor-1016 (3)	9.51	12.61	5982	3763	276.982	274.060
Total	Aroclor-1016			22531	18950	790.889	821.151
Average	Aroclor-1016					263.630	273.717
8) L2	Aroclor-1221	3.43	5.87	109	82	12.864	11.106
9) L2	Aroclor-1221 (2)	5.29	8.35	520	528	80.160	86.503
10) L2	Aroclor-1221 (3)	5.88	9.13	3312	3076	190.899	209.295
Total	Aroclor-1221			3941	3686	283.923	306.905
Average	Aroclor-1221					94.641	102.302
11) L3	Aroclor-1232	5.88	9.13	3312	3076	247.329	260.026
12) L3	Aroclor-1232 (2)	6.97	10.65	7560	7349	621.684	591.377
13) L3	Aroclor-1232 (3)	8.43	12.01	8989	7838	557.933	642.512
Total	Aroclor-1232			19861	18263	1426.947	1493.915
Average	Aroclor-1232					475.649	497.972
14) L4	Aroclor-1242	6.97	10.65	7560	7349	206.329	204.121
15) L4	Aroclor-1242 (2)	8.43	12.01	8989	7838	203.291	202.693
16) L4	Aroclor-1242 (3)	9.51	13.18	5982	4477	210.395	206.080
17) L4	Aroclor-1242 (4)	10.25	14.36	5088	4679	208.989	204.358
18) L4	Aroclor-1242 (5)	10.56	14.81	4031	2803	202.879	201.408
Total	Aroclor-1242			31649	27146	1031.882	1018.659
Average	Aroclor-1242					206.376	203.732
19) L5	Aroclor-1248	10.25	15.33	5088	3678	216.704	187.755

303

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D\E1A2390R.D
Acq On : 18 Sep 97 09:27 PM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	4031	4118	207.075	207.027
21) L5 Aroclor-1248 {3}	11.64	16.56	4351	3057	187.502	200.240
Total Aroclor-1248			13470	10852	611.281	595.022
Average Aroclor-1248					203.760	198.341
22) L6 Aroclor-1254	13.62	17.93	1230	1575	20.992	23.897
23) L6 Aroclor-1254 {2}	14.10	18.38	476	782	15.670	22.139 #
24) L6 Aroclor-1254 {3}	14.50	18.55	598	231	19.099	8.101 #
25) L6 Aroclor-1254 (4)	14.89	0.00	156	0	5.808	N.D. #
26) L6 Aroclor-1254 (5)	16.01	20.43	193	184	3.989	4.144
Total Aroclor-1254			2652	2772	65.559	58.281
Average Aroclor-1254					13.112	14.570
27) L7 Aroclor-1260	17.13	0.00	70	0	2.521	N.D. #
28) L7 Aroclor-1260 {2}	18.11	22.31	21	41	0.419	0.725 #
29) L7 Aroclor-1260 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1260			91	41	2.941	0.725
Average Aroclor-1260					1.470	0.725

304

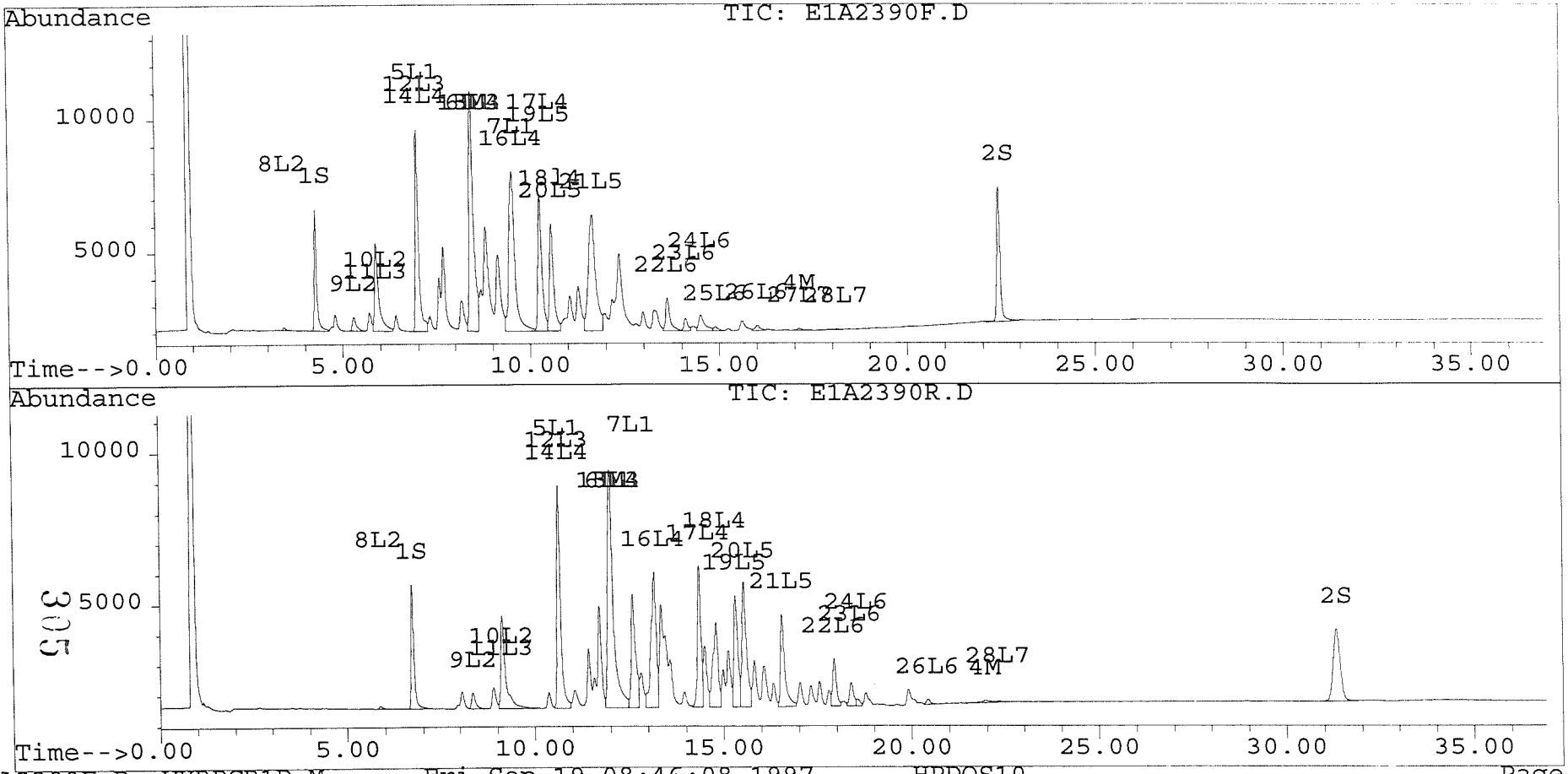
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D Vial: 43
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2390F.D\E1A2390R.D
Acq On : 18 Sep 97 09:27 PM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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\E1A2391F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D\E1A2391R.D
Acq On : 18 Sep 97 10:08 PM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	4238	3918	19.876	19.530
				Recovery	=	99.38%	97.65%
2) S	Decachlorobiphenyl	22.43	31.33	4975	2318	20.363	19.417
				Recovery	=	101.82%	97.09%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.02	126	148	1.760	2.078
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	3096	2862	19.786	18.208
5) L1	Aroclor-1016	6.98	10.66	143	153	5.245	5.752
6) L1	Aroclor-1016 {2}	8.47	12.02	126	148	3.310	5.111 #
7) L1	Aroclor-1016 {3}	0.00	12.62	0	51	N.D.	3.687 #
Total	Aroclor-1016			269	352	8.555	14.551
Average	Aroclor-1016					4.277	4.850
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}	5.90	9.15	35	40	2.011	2.703 #
Total	Aroclor-1221			35	40	2.011	2.703
Average	Aroclor-1221					2.011	2.703
11) L3	Aroclor-1232	5.90	9.15	35	40	2.606	3.358 #
12) L3	Aroclor-1232 {2}	6.98	10.66	143	153	11.765	12.344
13) L3	Aroclor-1232 {3}	8.47	12.02	126	148	7.800	12.096 #
Total	Aroclor-1232			304	341	22.171	27.798
Average	Aroclor-1232					7.390	9.266
14) L4	Aroclor-1242	6.98	10.66	143	153	3.905	4.261
15) L4	Aroclor-1242 {2}	8.47	12.02	126	148	2.842	3.816 #
16) L4	Aroclor-1242 {3}	0.00	13.18	0	4923	N.D.	226.618 #
17) L4	Aroclor-1242 (4)	10.25	14.36	2346	2565	96.381	112.011
18) L4	Aroclor-1242 (5)	10.56	14.82	827	781	41.629	56.109 #
Total	Aroclor-1242			3442	8570	144.757	402.815
Average	Aroclor-1242					36.189	80.563
19) L5	Aroclor-1248	10.25	15.33	2346	2798	99.939	142.827 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D\E1A2391R.D
Acq On : 18 Sep 97 10:08 PM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	827	1016	42.490	51.061
21) L5 Aroclor-1248 {3}	0.00	16.56	0	722	N.D.	47.316
			3173	4536	142.430	241.205
Total Aroclor-1248					71.215	80.402
Average Aroclor-1248						
22) L6 Aroclor-1254	13.61	17.93	12884	14001	219.857	212.466
23) L6 Aroclor-1254 {2}	14.09	18.38	6562	7521	216.144	212.910
24) L6 Aroclor-1254 {3}	14.48	18.56	6749	6028	215.653	211.447
25) L6 Aroclor-1254 (4)	14.89	18.88	5851	6089	217.947	212.200
26) L6 Aroclor-1254 (5)	16.00	20.43	10477	9485	216.654	213.193
			42523	43124	1086.254	1062.21
Total Aroclor-1254					217.251	212.443
Average Aroclor-1254						
27) L7 Aroclor-1260	17.12	21.83	3096	677	111.992	27.590
28) L7 Aroclor-1260 {2}	18.10	22.32	1391	1572	27.382	27.503
29) L7 Aroclor-1260 {3}	19.22	24.22	1011	828	27.115	34.622
			5497	3077	166.489	89.714
Total Aroclor-1260					55.496	29.905
Average Aroclor-1260						

307

9/19/97

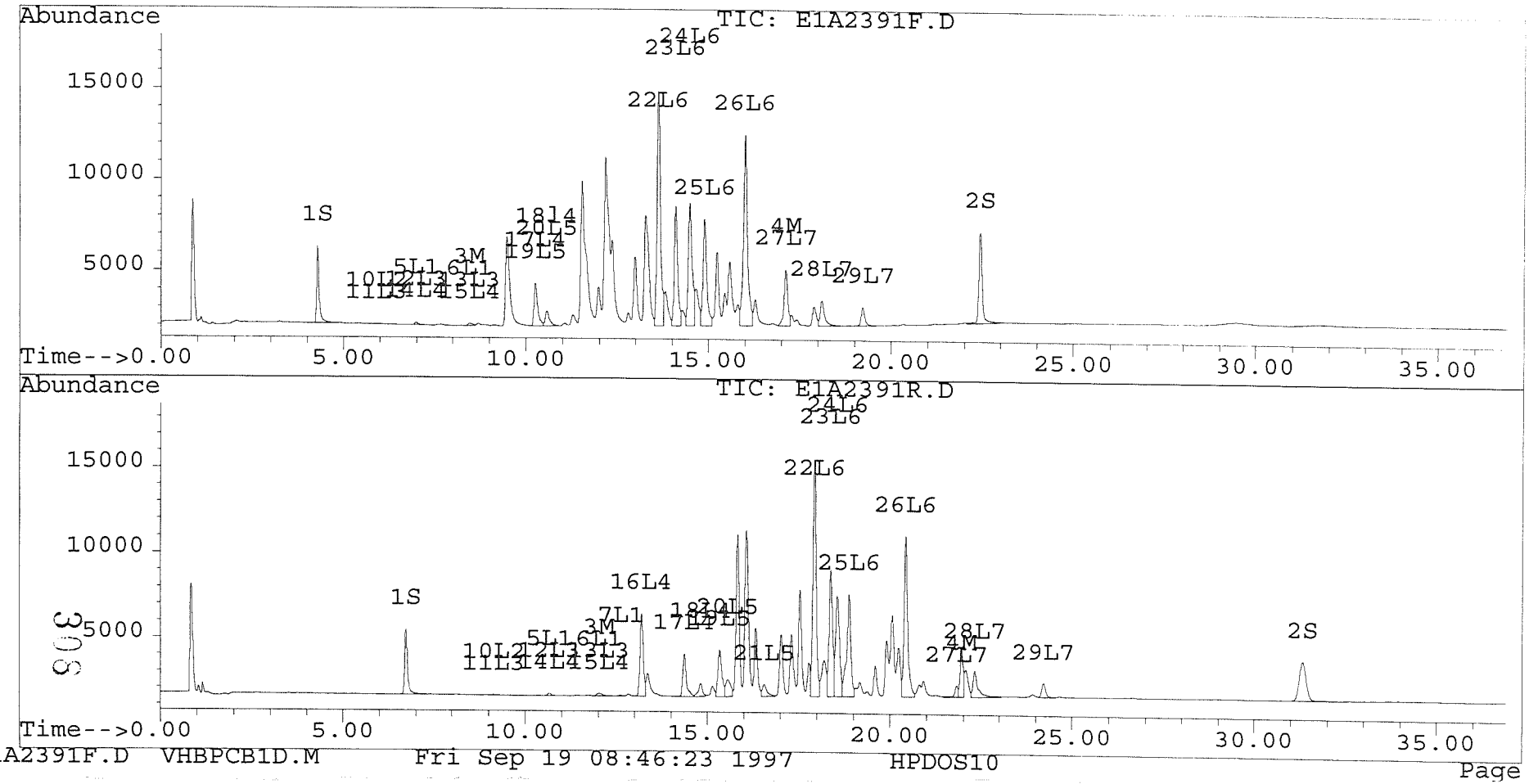
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2391F.D\E1A2391R.D
Acq On : 18 Sep 97 10:08 PM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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\E1A2392F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2392F.D\E1A2392R.D
Acq On : 18 Sep 97 10:48 PM Operator: JS
Sample : AR1660DD,AR1660DD,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	4228	3907	19.830	19.475
					Recovery	=	99.15%	97.38%
2)	S	Decachlorobiphenyl	22.44	31.33	5079	2396	20.790	20.064
					Recovery	=	103.95%	100.32%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.02	11539	9945	161.573	140.027
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.97	9840	2439	62.893	15.512 #
5)	L1	Aroclor-1016	6.97	10.65	9470	9144	347.148	342.907
6)	L1	Aroclor-1016 {2}	8.43	12.02	11539	9945	303.929	344.490
7)	L1	Aroclor-1016 {3}	9.52	12.61	7586	4713	351.258	343.220
	Total	Aroclor-1016			28594	23802	1002.336	1030.617
	Average	Aroclor-1016					334.112	343.539
8)	L2	Aroclor-1221	3.43	5.88	76	51	8.925	6.974
9)	L2	Aroclor-1221 {2}	5.29	8.35	521	529	80.390	86.623
10)	L2	Aroclor-1221 {3}	5.88	9.13	3534	3320	203.686	225.849
	Total	Aroclor-1221			4131	3900	293.001	319.445
	Average	Aroclor-1221					97.667	106.482
11)	L3	Aroclor-1232	5.88	9.13	3534	3320	263.896	280.593
12)	L3	Aroclor-1232 {2}	6.97	10.65	9470	9144	778.723	735.836
13)	L3	Aroclor-1232 {3}	8.43	12.02	11539	9945	716.204	815.235
	Total	Aroclor-1232			24542	22408	1758.823	1831.663
	Average	Aroclor-1232					586.274	610.554
14)	L4	Aroclor-1242	6.97	10.65	9470	9144	258.448	253.983
15)	L4	Aroclor-1242 {2}	8.43	12.02	11539	9945	260.959	257.181
16)	L4	Aroclor-1242 {3}	9.52	13.18	7586	5475	266.815	252.015
17)	L4	Aroclor-1242 (4)	10.25	14.36	6014	5277	247.028	230.494
18)	L4	Aroclor-1242 (5)	10.56	14.81	4323	2920	217.602	209.804
	Total	Aroclor-1242			38932	32761	1250.851	1203.477
	Average	Aroclor-1242					250.170	240.695
19)	L5	Aroclor-1248	10.25	15.34	6014	686	256.148	35.023 #

309

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2392F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2392F.D\E1A2392R.D
Acq On : 18 Sep 97 10:48 PM Operator: JS
Sample : AR1660DD,AR1660DD,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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	15.54	4323	1299	222.103	65.283 #
21) L5 Aroclor-1248 {3}	0.00	16.57	0	162	N.D.	10.640 #
Total Aroclor-1248			10337	2147	478.250	110.946
Average Aroclor-1248					239.125	36.982
22) L6 Aroclor-1254	13.62	17.91	6758	6638	115.316	100.728
23) L6 Aroclor-1254 {2}	14.10	0.00	11386	0	375.036	N.D. #
24) L6 Aroclor-1254 {3}	14.49	18.56	1145	11942	36.587	418.929 #
25) L6 Aroclor-1254 (4)	14.89	18.88	12138	13036	452.142	454.275
26) L6 Aroclor-1254 (5)	16.00	20.42	12523	11207	258.974	251.891
Total Aroclor-1254			43950	42823	1238.055	1225.823
Average Aroclor-1254					247.611	306.456
27) L7 Aroclor-1260	17.12	21.82	9840	8348	355.992	340.296
28) L7 Aroclor-1260 {2}	18.10	22.31	18256	19918	359.480	348.473
29) L7 Aroclor-1260 {3}	19.21	24.21	13393	8131	359.157	339.962
Total Aroclor-1260			41490	36397	1074.630	1028.731
Average Aroclor-1260					358.210	342.910

310

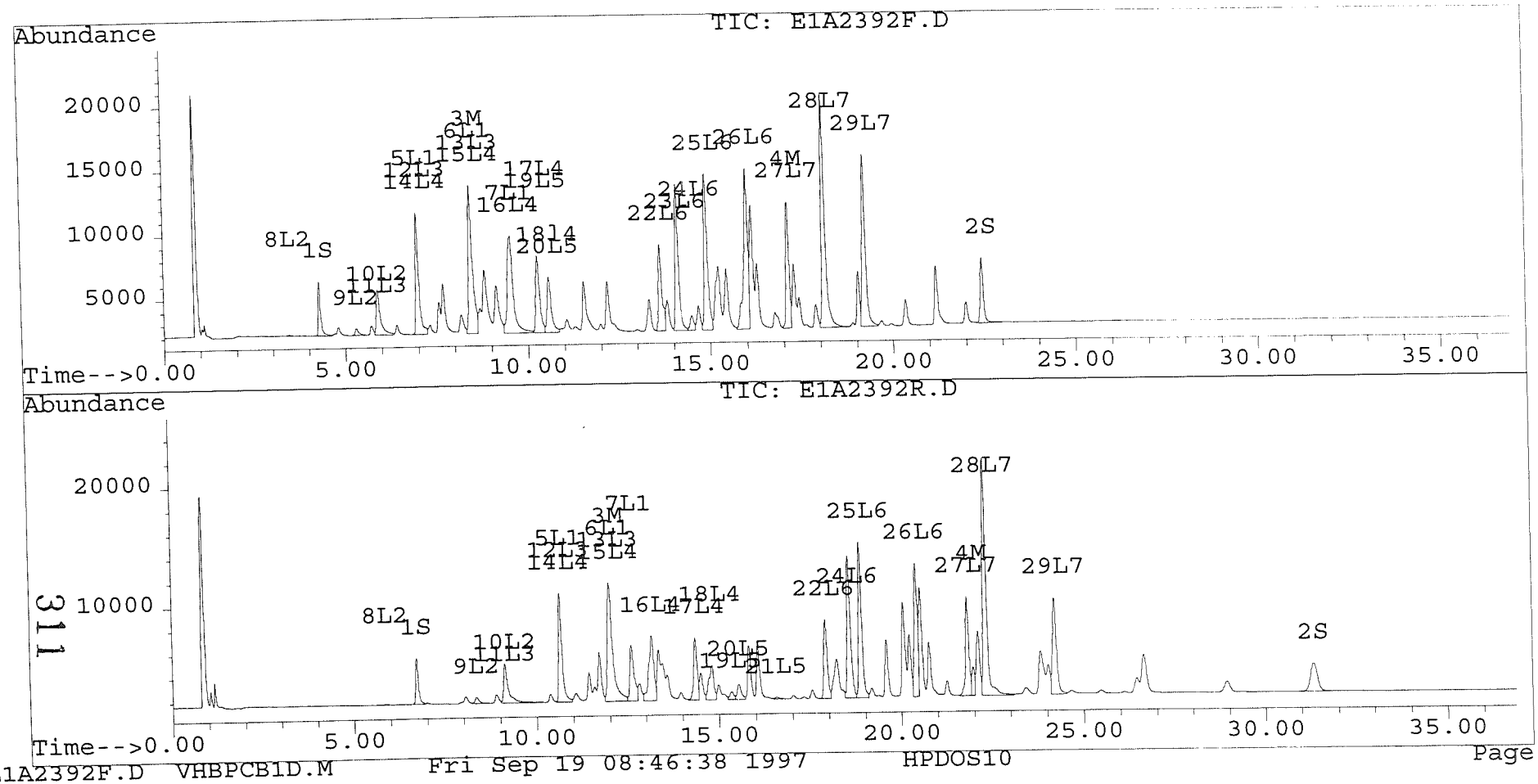
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2392F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2392F.D\E1A2392R.D
Acq On : 18 Sep 97 10:48 PM Operator: JS
Sample : AR1660DD,AR1660DD,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:08 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\E1A2403F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2403F.D\E1A2403R.D
Acq On : 19 Sep 97 06:14 AM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 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	4355	3972	20.429	19.798
				Recovery	=	102.15%	98.99%
2) S	Decachlorobiphenyl	22.44	31.33	4849	2281	19.847	19.099
				Recovery	=	99.24%	95.49%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.44	12.02	4939	4524	69.158	63.696
4) M	2,2',3,3',4,4'-Hexa	17.13	21.97	248	208	1.586	1.325
5) L1	Aroclor-1016	6.98	10.65	3691	3669	135.313	137.609
6) L1	Aroclor-1016 {2}	8.44	12.02	4939	4524	130.091	156.704
7) L1	Aroclor-1016 {3}	9.51	12.62	9263	1720	428.927	125.281 #
Total	Aroclor-1016			17893	9913	694.330	419.594
Average	Aroclor-1016					231.443	139.865
8) L2	Aroclor-1221	3.44	0.00	37	0	4.310	N.D. #
9) L2	Aroclor-1221 {2}	5.29	8.36	25	30	3.920	4.986 #
10) L2	Aroclor-1221 {3}	5.90	9.14	258	279	14.894	18.989 #
Total	Aroclor-1221			320	310	23.124	23.975
Average	Aroclor-1221					7.708	11.987
11) L3	Aroclor-1232	5.90	9.14	258	279	19.297	23.592
12) L3	Aroclor-1232 {2}	6.98	10.65	3691	3669	303.533	295.293
13) L3	Aroclor-1232 {3}	8.44	12.02	4939	4524	306.556	370.839
Total	Aroclor-1232			8889	8472	629.387	689.724
Average	Aroclor-1232					209.796	229.908
14) L4	Aroclor-1242	6.98	10.65	3691	3669	100.739	101.924
15) L4	Aroclor-1242 {2}	8.44	12.02	4939	4524	111.698	116.988
16) L4	Aroclor-1242 {3}	9.51	13.19	9263	6869	325.812	316.178
17) L4	Aroclor-1242 (4)	10.25	14.36	8093	7328	332.438	320.051
18) L4	Aroclor-1242 (5)	10.56	14.81	6565	4726	330.418	339.532
Total	Aroclor-1242			32551	27116	1201.105	1194.672
Average	Aroclor-1242					240.221	238.934
19) L5	Aroclor-1248	10.25	15.33	8093	6655	344.711	339.762

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2403F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2403F.D\E1A2403R.D
Acq On : 19 Sep 97 06:14 AM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 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	6565	6775	337.253	340.585
21) L5	Aroclor-1248 (3)	11.64	16.57	7978	5053	343.795	331.020
Total	Aroclor-1248			22636	18483	1025.758	1011.367
Average	Aroclor-1248					341.919	337.122
22) L6	Aroclor-1254	13.62	17.94	3737	4402	63.774	66.798
23) L6	Aroclor-1254 (2)	14.10	18.39	1455	2390	47.932	67.660 #
24) L6	Aroclor-1254 (3)	14.50	18.56	1958	630	62.578	22.112 #
25) L6	Aroclor-1254 (4)	14.89	0.00	491	0	18.286	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	658	597	13.612	13.423
Total	Aroclor-1254			8300	8019	206.182	169.992
Average	Aroclor-1254					41.236	42.498
27) L7	Aroclor-1260	17.13	21.83	248	56	8.979	2.298 #
28) L7	Aroclor-1260 (2)	18.11	22.32	111	128	2.183	2.241
29) L7	Aroclor-1260 (3)	19.23	24.22	72	56	1.929	2.333
Total	Aroclor-1260			431	240	13.091	6.872
Average	Aroclor-1260					4.364	2.291

313

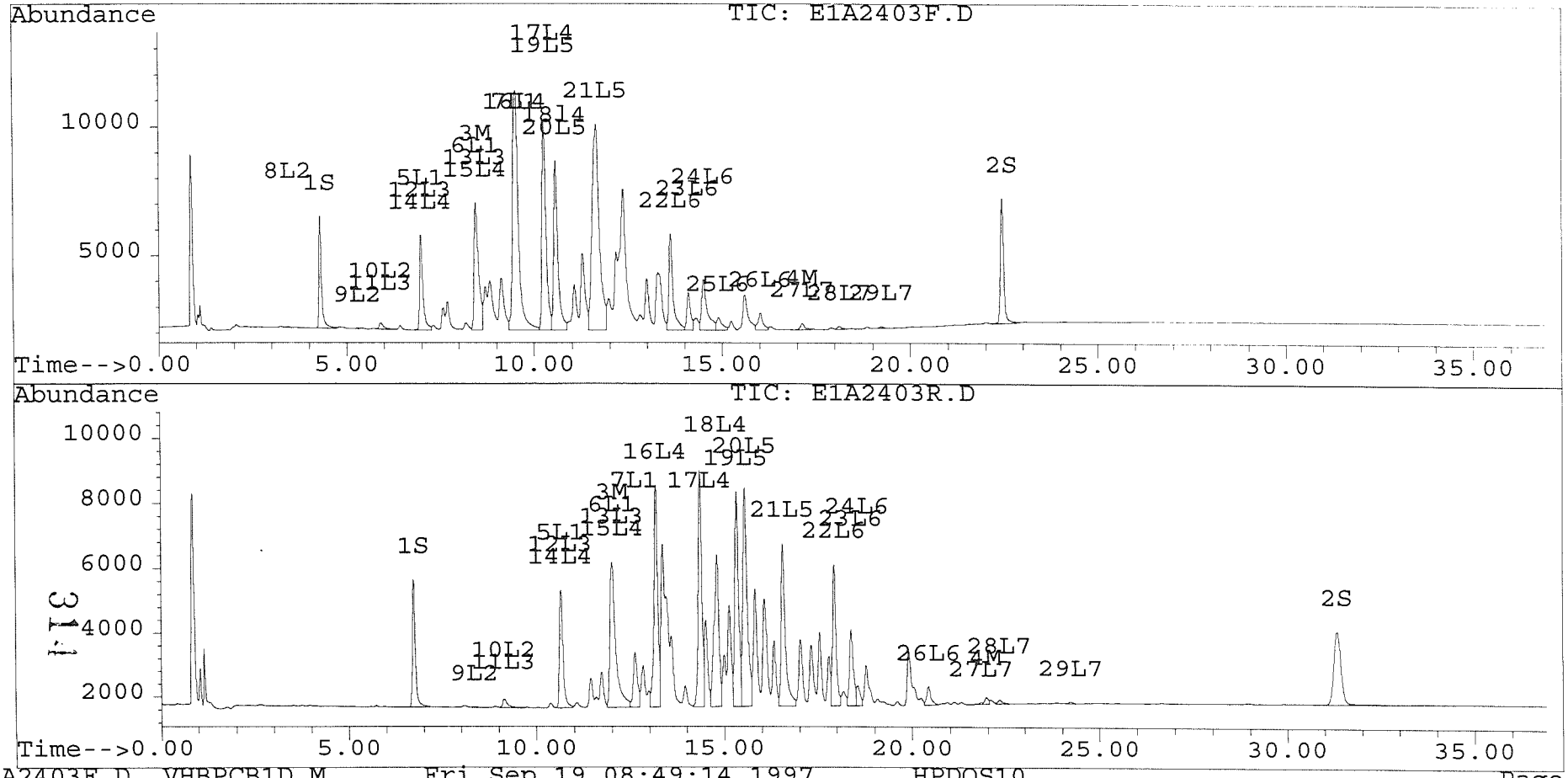
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2403F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2403F.D\E1A2403R.D
Acq On : 19 Sep 97 06:14 AM Operator: JS
Sample : AR1248DD,AR1248DD,,AR1248.SUB Inst : E1
Misc : 2,,,1 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\E1A2404F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2404F.D\E1A2404R.D
Acq On : 19 Sep 97 06:55 AM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 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-xylen	4.28	6.74	2028	1864	9.513	9.292
					Recovery	=	47.57%	46.46%
2)	S	Decachlorobiphenyl	22.44	31.34	2472	1174	10.120m	9.832
					Recovery	=	50.60%	49.16%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.03	75516	75599	1057.426	1064.487
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.96	170143	165575	1087.452	1053.226
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 (2)	8.42f	12.03	75516	75599	1989.084	2618.814
7)	L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			75516	75599	1989.084	2618.814
		Average Aroclor-1016					1989.084	2618.814
8)	L2	Aroclor-1221	3.44	0.00	32	0	3.771	N.D. #
9)	L2	Aroclor-1221 (2)	5.28	8.34	86	92	13.246	15.112
10)	L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			118	92	17.017	15.112
		Average Aroclor-1221					8.509	15.112
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	12.03	75516	75599	4687.242	6197.418
		Total Aroclor-1232			75516	75599	4687.242	6197.418
		Average Aroclor-1232					4687.242	6197.418
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 (2)	8.42f	12.03	75516	75599	1707.862	1955.095
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	81	0	4.064	N.D. #
		Total Aroclor-1242			75596	75599	1711.926	1955.095
		Average Aroclor-1242					855.963	1955.095
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

315

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2404F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2404F.D\E1A2404R.D
Acq On : 19 Sep 97 06:55 AM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 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}	10.53f	15.57	81	24	4.148	1.195 #
21)	L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			81	24	4.148	1.195
Average	Aroclor-1248					4.148	1.195
22)	L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23)	L6 Aroclor-1254 {2}	14.10	0.00	422	0	13.888	N.D. #
24)	L6 Aroclor-1254 {3}	14.48	0.00	508	0	16.227	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			929	0	30.115	N.D.
Average	Aroclor-1254					15.057	0.000
27)	L7 Aroclor-1260	17.11	0.00	170143	0	6155.261	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	88	88	2.370	3.693 #
Total	Aroclor-1260			170231	88	6157.631	3.693
Average	Aroclor-1260					3078.815	3.693

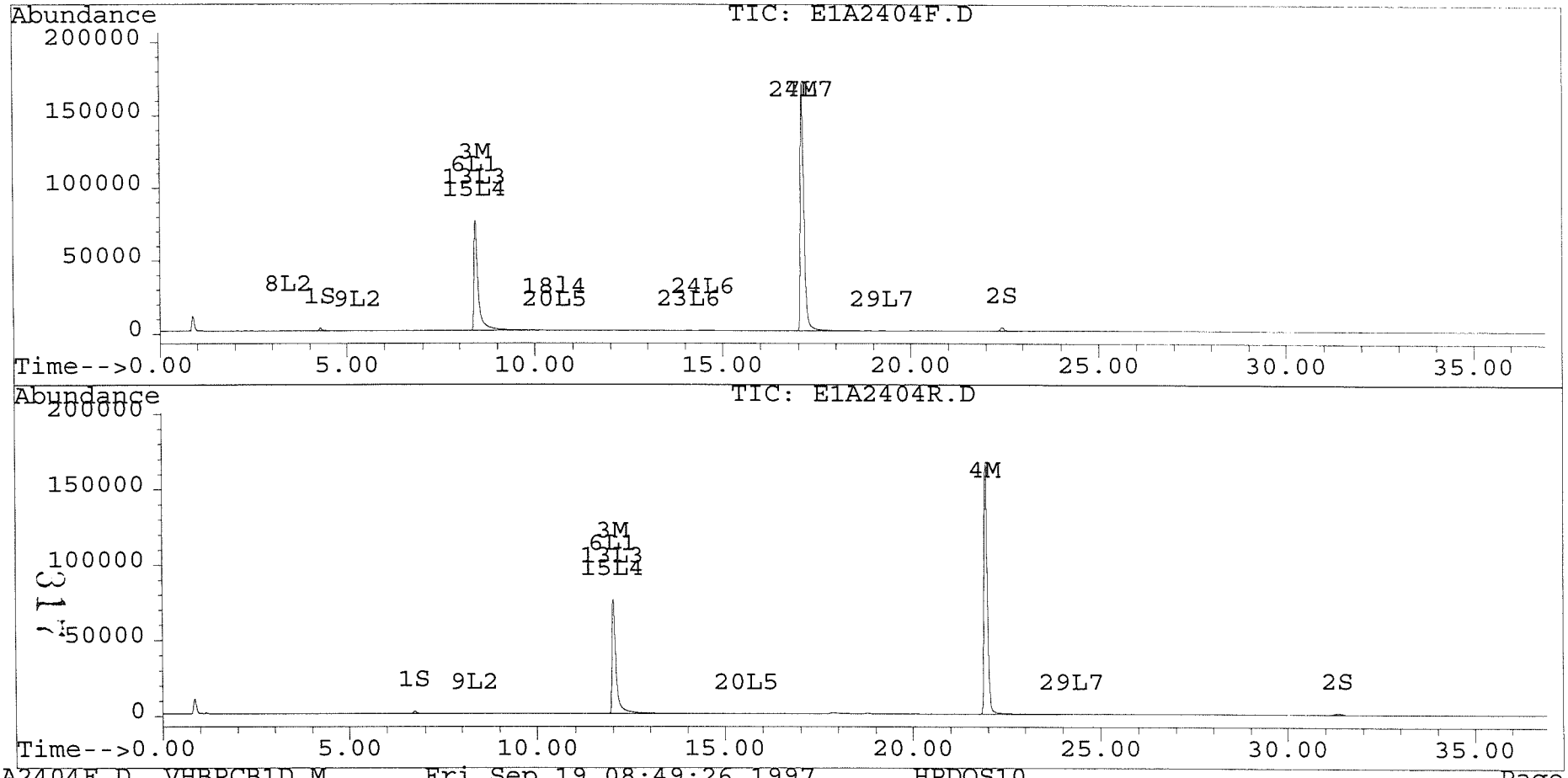
316
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2404F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2404F.D\E1A2404R.D
Acq On : 19 Sep 97 06:55 AM Operator: JS
Sample : COGDD,COGDD,,COG.SUB Inst : E1
Misc : 2,,,1 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



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D\E1A2405R.D
Acq On : 19 Sep 97 07:35 AM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:41 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	4404	3986	20.659	19.871
					Recovery	=	103.30%	99.35%
2)	S	Decachlorobiphenyl	22.44	31.33	4903	2357	20.068	19.737
					Recovery	=	100.34%	98.68%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.02	8745	7691	122.454	108.296
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	95	89	0.608	0.564
5)	L1	Aroclor-1016	6.98	10.65	7364	7215	269.961	270.556
6)	L1	Aroclor-1016 {2}	8.44	12.02	8745	7691	230.344	266.426
7)	L1	Aroclor-1016 {3}	9.52	12.61	5853	3649	271.008	265.738
	Total	Aroclor-1016			21962	18555	771.313	802.720
	Average	Aroclor-1016					257.104	267.573
8)	L2	Aroclor-1221	3.43	5.87	115	83	13.578	11.328
9)	L2	Aroclor-1221 {2}	5.29	8.35	501	518	77.243	84.842
10)	L2	Aroclor-1221 {3}	5.88	9.14	3204	2984	184.693	202.995
	Total	Aroclor-1221			3820	3585	275.514	299.164
	Average	Aroclor-1221					91.838	99.721
11)	L3	Aroclor-1232	5.88	9.14	3204	2984	239.289	252.199
12)	L3	Aroclor-1232 {2}	6.98	10.65	7364	7215	605.576	580.581
13)	L3	Aroclor-1232 {3}	8.44	12.02	8745	7691	542.803	630.496
	Total	Aroclor-1232			19313	17890	1387.668	1463.276
	Average	Aroclor-1232					462.556	487.759
14)	L4	Aroclor-1242	6.98	10.65	7364	7215	200.983	200.395
15)	L4	Aroclor-1242 {2}	8.44	12.02	8745	7691	197.778	198.902
16)	L4	Aroclor-1242 {3}	9.52	13.18	5853	4431	205.857	203.937
17)	L4	Aroclor-1242 (4)	10.26	14.37	4990	4624	204.969	201.942
18)	L4	Aroclor-1242 (5)	10.57	14.81	3980	2766	200.325	198.747
	Total	Aroclor-1242			30932	26726	1009.911	1003.923c
	Average	Aroclor-1242					201.982	200.785
19)	L5	Aroclor-1248	10.26	15.33	4990	3640	212.536	185.855

318

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D\E1A2405R.D
Acq On : 19 Sep 97 07:35 AM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:41 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	3980	4089	204.469	205.570
21) L5	Aroclor-1248 (3)	11.65	16.57	4313	3013	185.870	197.394
Total	Aroclor-1248			13283	10743	602.875	588.818
Average	Aroclor-1248					200.958	196.273
22) L6	Aroclor-1254	13.63	17.94	1262	1571	21.530	23.835
23) L6	Aroclor-1254 (2)	14.10	18.39	524	772	17.259	21.847 #
24) L6	Aroclor-1254 (3)	14.51	18.56	649	233	20.741	8.188 #
25) L6	Aroclor-1254 (4)	14.90	0.00	218	0	8.109	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	244	191	5.042	4.288
Total	Aroclor-1254			2896	2767	72.682	58.158
Average	Aroclor-1254					14.536	14.540
27) L7	Aroclor-1260	17.13	0.00	95	0	3.440	N.D. #
28) L7	Aroclor-1260 (2)	18.12	22.32	24	50	0.473	0.867 #
29) L7	Aroclor-1260 (3)	19.23	24.23	15	13	0.407	0.554 #
Total	Aroclor-1260			134	63	4.320	1.422
Average	Aroclor-1260					1.440	0.711

319

09/19/97

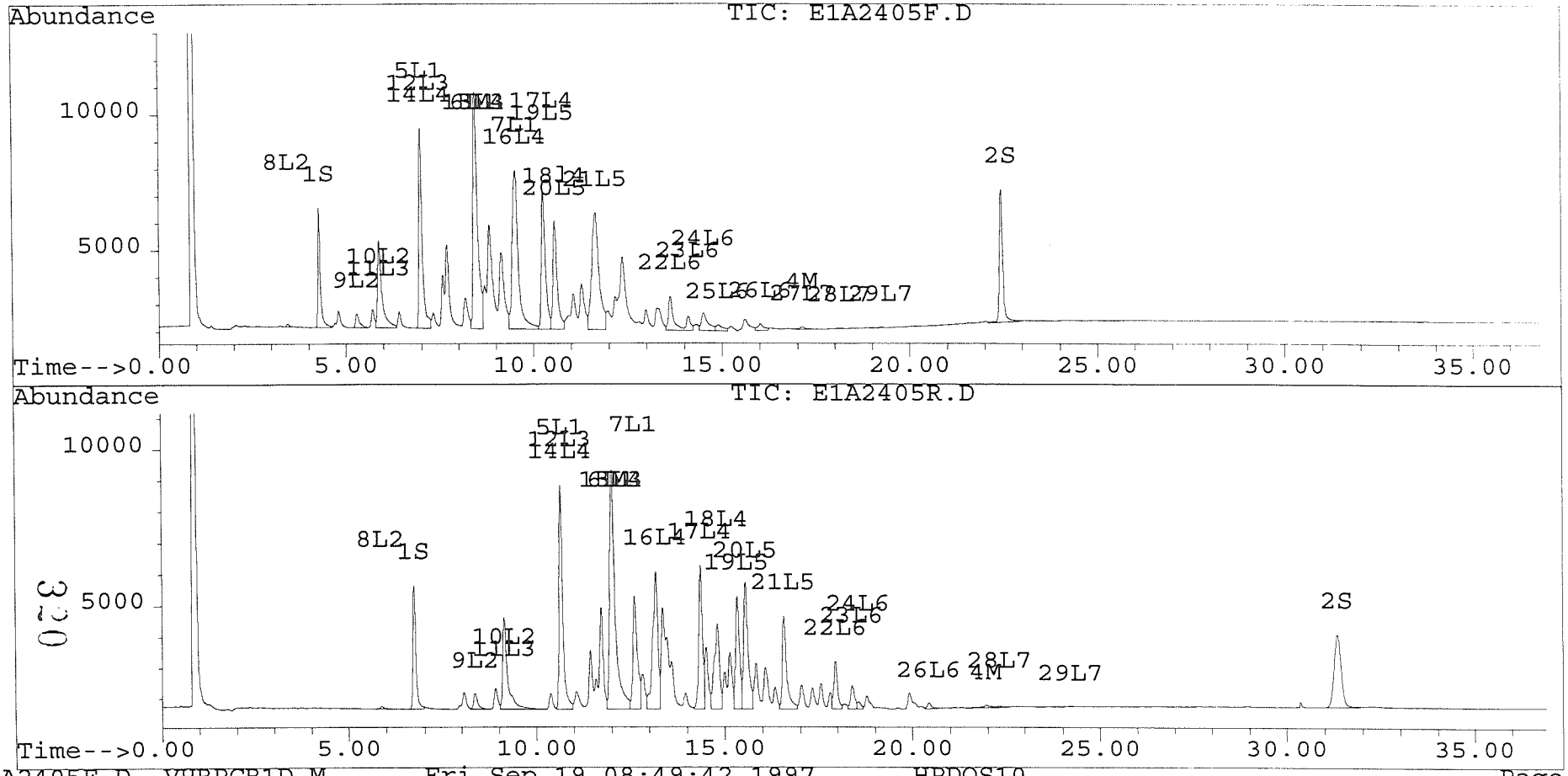
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2405F.D\E1A2405R.D
Acq On : 19 Sep 97 07:35 AM Operator: JS
Sample : AR1242DD,AR1242DD,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 8:41 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\E1A2406F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D\E1A2406R.D
Acq On : 19 Sep 97 08:16 AM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 9:24 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	4508	4113	21.146	20.501
					Recovery	=	105.73%	102.51%
2)	S	Decachlorobiphenyl	22.43	31.32	4989	2356	20.423	19.731
					Recovery	=	102.12%	98.66%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.47	12.02	124	149	1.740	2.092
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	3103	2858	19.830	18.181
5)	L1	Aroclor-1016	6.98	10.66	145	155	5.302	5.822
6)	L1	Aroclor-1016 {2}	8.47	12.02	124	149	3.272	5.146 #
7)	L1	Aroclor-1016 {3}	0.00	12.62	0	52	N.D.	3.756 #
		Total Aroclor-1016			269	355	8.574	14.724
		Average Aroclor-1016					4.287	4.908
8)	L2	Aroclor-1221	3.43	0.00	28	0	3.340	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	34	39	1.944	2.686 #
		Total Aroclor-1221			62	39	5.285	2.686
		Average Aroclor-1221					2.642	2.686
11)	L3	Aroclor-1232	5.90	9.14	34	39	2.519	3.337 #
12)	L3	Aroclor-1232 {2}	6.98	10.66	145	155	11.894	12.492
13)	L3	Aroclor-1232 {3}	8.47	12.02	124	149	7.711	12.178 #
		Total Aroclor-1232			303	343	22.123	28.008
		Average Aroclor-1232					7.374	9.336
14)	L4	Aroclor-1242	6.98	10.66	145	155	3.947	4.312
15)	L4	Aroclor-1242 {2}	8.47	12.02	124	149	2.810	3.842 #
16)	L4	Aroclor-1242 {3}	0.00	13.18	0	5022	N.D.	231.137 #
17)	L4	Aroclor-1242 (4)	10.25	14.36	2355	2586	96.741	112.931
18)	L4	Aroclor-1242 (5)	10.56	14.81	835	797	42.044	57.279 #
		Total Aroclor-1242			3459	8708	145.542	409.501
		Average Aroclor-1242					36.386	81.900
19)	L5	Aroclor-1248	10.25	15.33	2355	2820	100.313	143.974 #

321

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D\E1A2406R.D
Acq On : 19 Sep 97 08:16 AM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 9:24 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	835	1027	42.914	51.616
21) L5	Aroclor-1248 {3}	0.00	16.56	0	740	N.D.	48.477 #
Total	Aroclor-1248			3190	4587	143.226	244.067
Average	Aroclor-1248					71.613	81.356
22) L6	Aroclor-1254	13.61	17.93	12973	14373	221.390	218.113
23) L6	Aroclor-1254 {2}	14.09	18.38	6629	7561	218.339	214.053
24) L6	Aroclor-1254 {3}	14.48	18.56	6751	6090	215.715	213.622
25) L6	Aroclor-1254 (4)	14.89	18.88	5875	6216	218.847	216.608
26) L6	Aroclor-1254 (5)	16.00	20.42	10554	9682	218.240	217.631
Total	Aroclor-1254			42782	43922	1092.531	1080.027
Average	Aroclor-1254					218.506	216.005
27) L7	Aroclor-1260	17.12	21.82	3103	677	112.242	27.580 #
28) L7	Aroclor-1260 {2}	18.10	22.31	1401	1568	27.587	27.429
29) L7	Aroclor-1260 {3}	19.22	24.21	1024	859	27.468	35.934 #
Total	Aroclor-1260			5528	3104	167.297	90.943
Average	Aroclor-1260					55.766	30.314

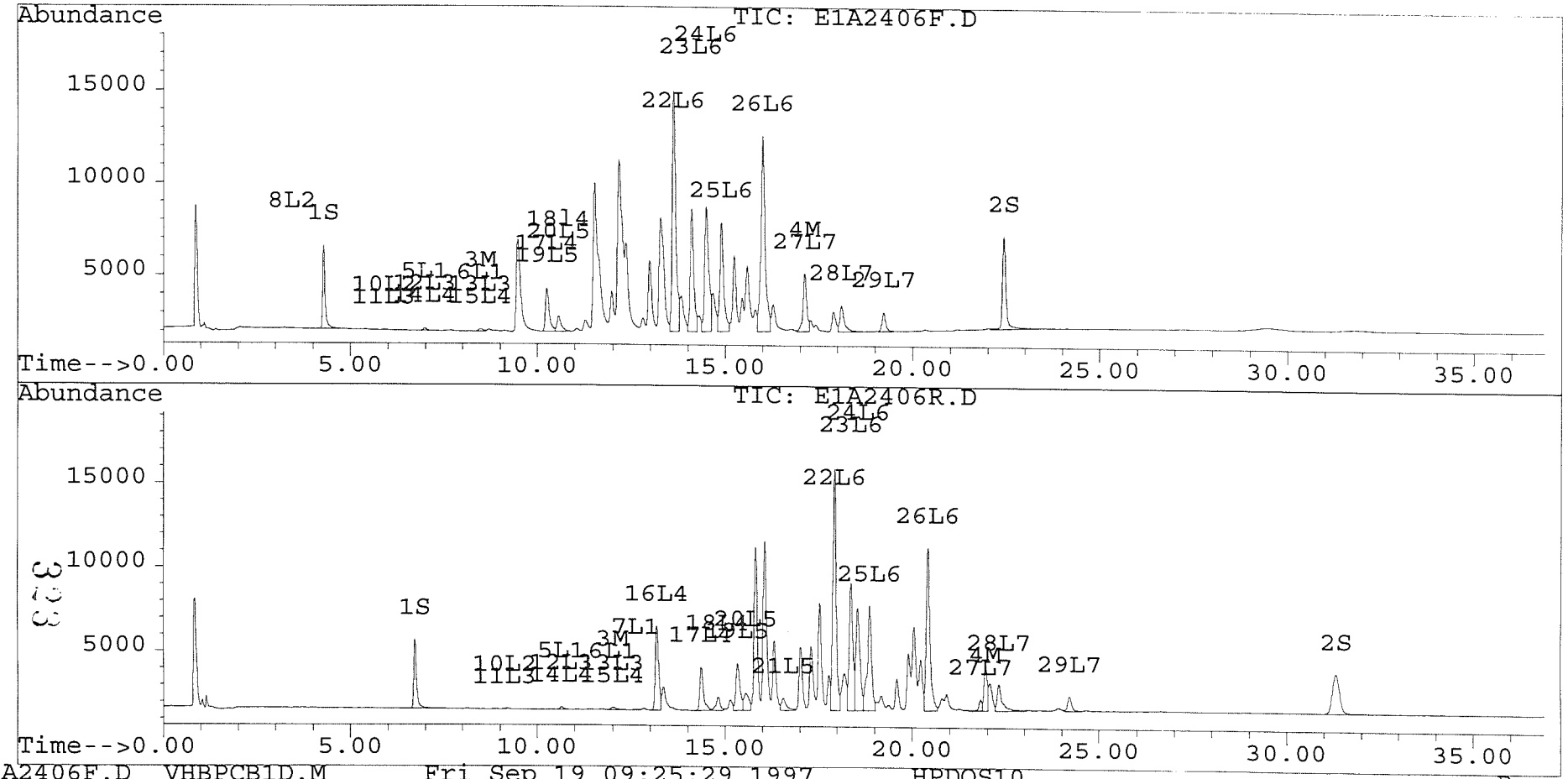
322
9/19/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970918\E1A2406F.D\E1A2406R.D
Acq On : 19 Sep 97 08:16 AM Operator: JS
Sample : AR1254DD,AR1254DD,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 19 9:24 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\970919\E1A2418F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2418F.D\E1A2418R.D
Acq On : 19 Sep 97 04:55 PM Operator: JS/GML
Sample : AR1248DE,AR1248DE,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4593	4134	21.545	20.607
					Recovery	=	107.73%	103.04%
2)	S	Decachlorobiphenyl	22.44	31.33	5020	2349	20.547	19.670
					Recovery	=	102.74%	98.35%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.45	12.00	5383	4706	75.381	66.261
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	253	213	1.614	1.353
5)	L1	Aroclor-1016	6.99	10.64	3924	3820	143.841	143.247
6)	L1	Aroclor-1016 (2)	8.45	12.00	5383	4706	141.795	163.014
7)	L1	Aroclor-1016 (3)	9.52	12.60	9735	1771	450.793	128.943 #
		Total Aroclor-1016			19042	10296	736.429	435.203
		Average Aroclor-1016					245.476	145.068
8)	L2	Aroclor-1221	3.44	0.00	34	0	3.976	N.D. #
9)	L2	Aroclor-1221 (2)	5.29	8.34	33	32	5.130	5.312
10)	L2	Aroclor-1221 (3)	5.90	9.13	282	292	16.282	19.856
		Total Aroclor-1221			350	324	25.388	25.168
		Average Aroclor-1221					8.463	12.584
11)	L3	Aroclor-1232	5.90	9.13	282	292	21.095	24.669
12)	L3	Aroclor-1232 (2)	6.99	10.64	3924	3820	322.663	307.390
13)	L3	Aroclor-1232 (3)	8.45	12.00	5383	4706	334.139	385.772
		Total Aroclor-1232			9590	8817	677.896	717.831
		Average Aroclor-1232					225.965	239.277
14)	L4	Aroclor-1242	6.99	10.64	3924	3820	107.087	106.099
15)	L4	Aroclor-1242 (2)	8.45	12.00	5383	4706	121.748	121.699
16)	L4	Aroclor-1242 (3)	9.52	13.17	9735	6997	342.422	322.079
17)	L4	Aroclor-1242 (4)	10.26	14.35	8620	7549	354.091	329.729
18)	L4	Aroclor-1242 (5)	10.57	14.80	7012	4877	352.941	350.390
		Total Aroclor-1242			34675	27949	1278.289	1229.997
		Average Aroclor-1242					255.658	245.999
19)	L5	Aroclor-1248	10.26	15.32	8620	6835	367.163	348.962

324

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2418F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2418F.D\E1A2418R.D
Acq On : 19 Sep 97 04:55 PM Operator: JS/GML
Sample : AR1248DE,AR1248DE,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	7012	6895	360.241	346.657	
21) L5	Aroclor-1248 {3}	11.64	16.55	8423	5254	362.974	344.141	
Total	Aroclor-1248			24056	18984	1090.378	1039.760	
Average	Aroclor-1248					363.459	346.587	
22) L6	Aroclor-1254	13.62	17.93	3880	4574	66.220	69.410	
23) L6	Aroclor-1254 {2}	14.10	18.38	1515	2433	49.916	68.889	#
24) L6	Aroclor-1254 {3}	14.50	18.55	2020	658	64.559	23.078	#
25) L6	Aroclor-1254 (4)	14.90	0.00	505	0	18.802	N.D.	#
26) L6	Aroclor-1254 (5)	16.01	20.43	683	609	14.119	13.694	
Total	Aroclor-1254			8604	8274	213.616	175.070	
Average	Aroclor-1254					42.723	43.767	
27) L7	Aroclor-1260	17.13	21.83	253	55	9.136	2.223	#
28) L7	Aroclor-1260 {2}	18.11	22.31	116	138	2.292	2.413	
29) L7	Aroclor-1260 {3}	19.23	24.21	78	61	2.081	2.536	
Total	Aroclor-1260			447	253	13.509	7.172	
Average	Aroclor-1260					4.503	2.391	

325

9/23/97

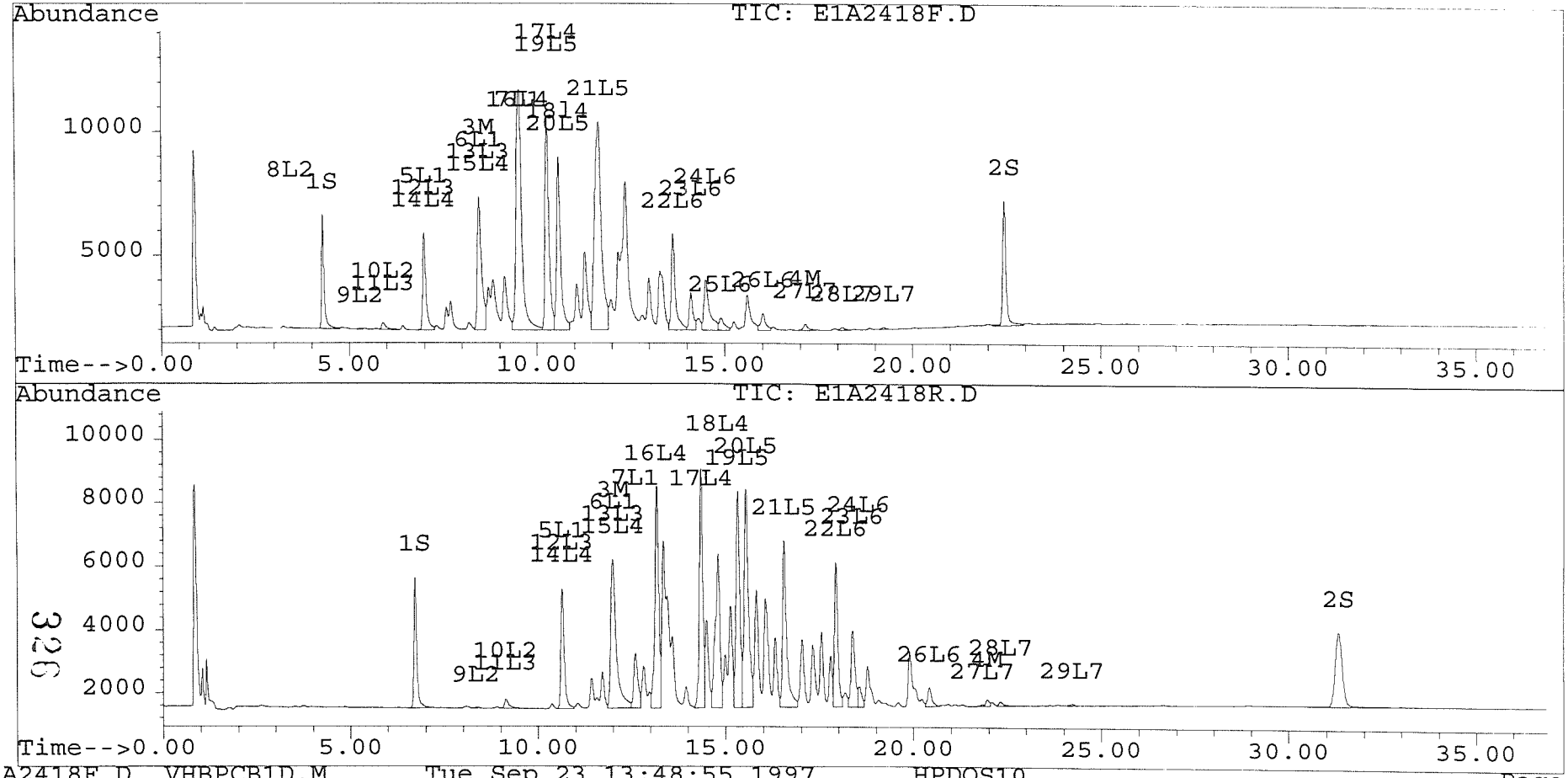
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2418F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2418F.D\E1A2418R.D
Acq On : 19 Sep 97 04:55 PM Operator: JS/GML
Sample : AR1248DE,AR1248DE,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:35 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2419F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2419F.D\E1A2419R.D
Acq On : 19 Sep 97 05:36 PM Operator: JS/GML
Sample : COGDE,COGDE,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:38 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	1946	1850	9.125	9.221
				Recovery	=	45.63%	46.11%
2) S	Decachlorobiphenyl	22.44	31.33	2559	1197	10.474	10.023
				Recovery	=	52.37%	50.11%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.42	12.02	74786	74032	1047.209	1042.429
4) M	2,2',3,3',4,4'-Hexa	17.11	21.95	169223	166879	1081.574	1061.520
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	8.42f	12.02	74786	74032	1969.867	2564.547
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1016			74786	74032	1969.867	2564.547
	Average Aroclor-1016					1969.867	2564.547
8) L2	Aroclor-1221	3.44	0.00	39	0	4.549	N.D. #
9) L2	Aroclor-1221 {2}	5.28	8.34	88	89	13.529	14.579
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			126	89	18.078	14.579
	Average Aroclor-1221					9.039	14.579
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	74786	74032	4641.956	6068.997
	Total Aroclor-1232			74786	74032	4641.956	6068.997
	Average Aroclor-1232					4641.956	6068.997
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	8.42f	12.02	74786	74032	1691.361	1914.582
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor-1242 (4)	10.21f	0.00	162	0	6.674	N.D. #
18) L4	Aroclor-1242 (5)	10.53f	0.00	150	0	7.553	N.D. #
	Total Aroclor-1242			75099	74032	1705.588	1914.582
	Average Aroclor-1242					568.529	1914.582
19) L5	Aroclor-1248	10.21f	0.00	162	0	6.921	N.D. #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2419F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2419F.D\E1A2419R.D
Acq On : 19 Sep 97 05:36 PM Operator: JS/GML
Sample : COGDE,COGDE,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:38 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.57	150	39	7.709	1.937 #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			313	39	14.629	1.937
Average	Aroclor-1248					7.315	1.937
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.10	0.00	426	0	14.022	N.D. #
24) L6	Aroclor-1254 {3}	14.48	0.00	513	0	16.398	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			939	0	30.419	N.D.
Average	Aroclor-1254					15.210	0.000
27) L7	Aroclor-1260	17.11	0.00	169223	0	6121.988	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	91	92	2.433	3.839 #
Total	Aroclor-1260			169314	92	6124.420	3.839
Average	Aroclor-1260					3062.210	3.839

328

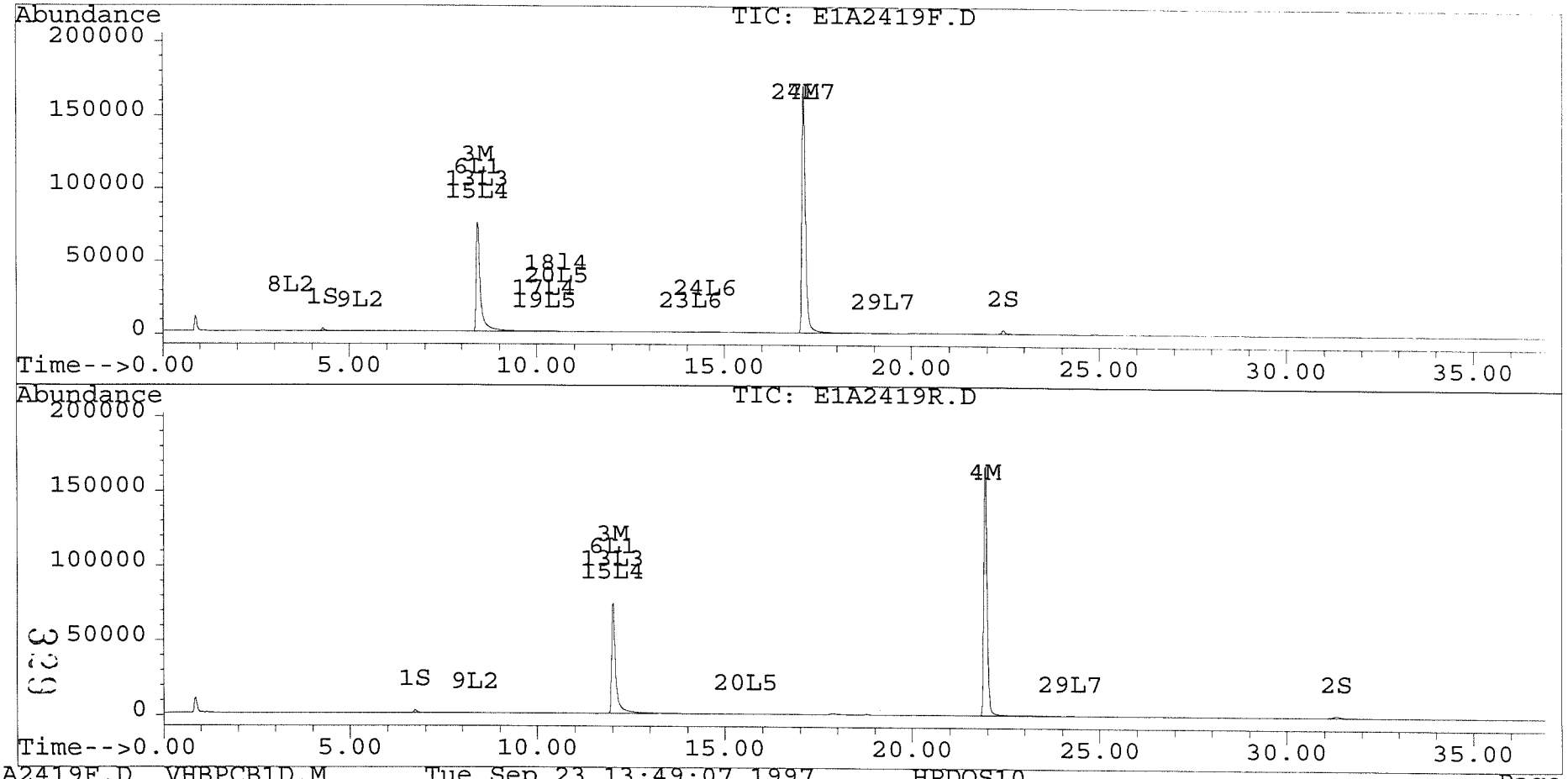
9/9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2419F.D Vial: 2
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2419F.D\E1A2419R.D
Acq On : 19 Sep 97 05:36 PM Operator: JS/GML
Sample : COGDE,COGDE,,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:38 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2420F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2420F.D\E1A2420R.D
Acq On : 19 Sep 97 06:17 PM Operator: JS/GML
Sample : AR1242DE,AR1242DE,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4209	3939	19.740	19.635
					Recovery	=	98.70%	98.18%
2)	S	Decachlorobiphenyl	22.44	31.32	4971	2355	20.346	19.726
					Recovery	=	101.73%	98.63%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.02	8568	7435	119.974	104.697
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	100	80	0.639	0.509
5)	L1	Aroclor-1016	6.98	10.65	7378	7191	270.475	269.684
6)	L1	Aroclor-1016 (2)	8.44	12.02	8568	7435	225.679	257.571
7)	L1	Aroclor-1016 (3)	9.52	12.61	5940	3590	275.066	261.442
	Total	Aroclor-1016			21887	18217	771.220	788.697
	Average	Aroclor-1016					257.073	262.899
8)	L2	Aroclor-1221	3.44	5.88	111	79	13.077	10.765
9)	L2	Aroclor-1221 (2)	5.29	8.35	491	506	75.756	82.880
10)	L2	Aroclor-1221 (3)	5.88	9.14	3123	2913	180.009	198.174
	Total	Aroclor-1221			3725	3498	268.842	291.818
	Average	Aroclor-1221					89.614	97.273
11)	L3	Aroclor-1232	5.88	9.14	3123	2913	233.220	246.209
12)	L3	Aroclor-1232 (2)	6.98	10.65	7378	7191	606.729	578.709
13)	L3	Aroclor-1232 (3)	8.44	12.02	8568	7435	531.809	609.541
	Total	Aroclor-1232			19069	17540	1371.758	1434.459
	Average	Aroclor-1232					457.253	478.153
14)	L4	Aroclor-1242	6.98	10.65	7378	7191	201.365	199.748
15)	L4	Aroclor-1242 (2)	8.44	12.02	8568	7435	193.772	192.291
16)	L4	Aroclor-1242 (3)	9.52	13.18	5940	4420	208.940	203.440
17)	L4	Aroclor-1242 (4)	10.25	14.36	5053	4640	207.542	202.659
18)	L4	Aroclor-1242 (5)	10.57	14.81	4045	2807	203.611	201.638
	Total	Aroclor-1242			30985	26493	1015.230	999.777
	Average	Aroclor-1242					203.046	199.955
19)	L5	Aroclor-1248	10.25	15.33	5053	3582	215.204	182.871

330

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2420F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2420F.D\E1A2420R.D
Acq On : 19 Sep 97 06:17 PM Operator: JS/GML
Sample : AR1242DE,AR1242DE,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4045	4008	207.822	201.516
21) L5	Aroclor-1248 (3)	11.65	16.57	4298	2920	185.222	191.279
Total	Aroclor-1248			13396	10510	608.248	575.666
Average	Aroclor-1248					202.749	191.889
22) L6	Aroclor-1254	13.63	17.94	1297	1583	22.125	24.029
23) L6	Aroclor-1254 (2)	14.10	18.39	555	768	18.288	21.743
24) L6	Aroclor-1254 (3)	14.51	18.55	662	240	21.140	8.427 #
25) L6	Aroclor-1254 (4)	14.90	0.00	260	0	9.698	N.D. #
26) L6	Aroclor-1254 (5)	16.01	20.43	265	188	5.473	4.221
Total	Aroclor-1254			3038	2779	76.724	58.420
Average	Aroclor-1254					15.345	14.605
27) L7	Aroclor-1260	17.13	0.00	100	0	3.619	N.D. #
28) L7	Aroclor-1260 (2)	18.12	22.32	22	39	0.443	0.676 #
29) L7	Aroclor-1260 (3)	19.23	0.00	15	0	0.392	N.D. #
Total	Aroclor-1260			137	39	4.454	0.676
Average	Aroclor-1260					1.485	0.676

331

9/23/97

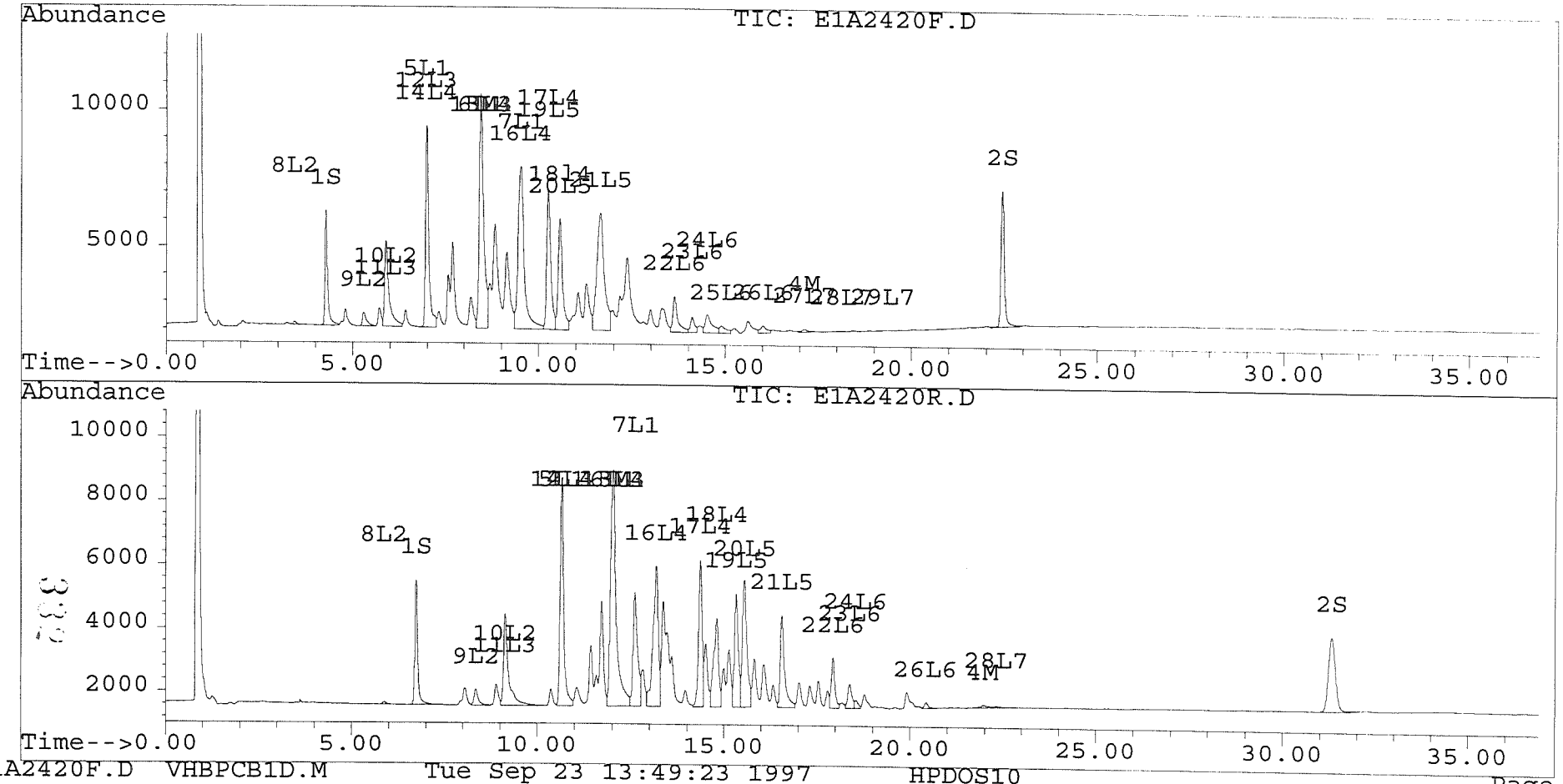
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2420F.D Vial: 3
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2420F.D\E1A2420R.D
Acq On : 19 Sep 97 06:17 PM Operator: JS/GML
Sample : AR1242DE,AR1242DE,,AR1242.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2421F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D\E1A2421R.D
Acq On : 19 Sep 97 06:57 PM Operator: JS/GML
Sample : AR1254DE,AR1254DE,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4579	4201	21.477	20.944
				Recovery	=	107.39%	104.72%
2) S	Decachlorobiphenyl	22.43	31.33	5228	2470	21.399	20.687
				Recovery	=	107.00%	103.44%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.02	126	148	1.768	2.090
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	3301	2947	21.097	18.743
5) L1	Aroclor-1016	6.98	10.66	147	156	5.404	5.866
6) L1	Aroclor-1016 {2}	8.47	12.02	126	148	3.325	5.142 #
7) L1	Aroclor-1016 {3}	0.00	12.62	0	52	N.D.	3.770 #
Total	Aroclor-1016			274	357	8.729	14.777
Average	Aroclor-1016					4.365	4.926
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}	5.90	9.14	35	40	2.040	2.750 #
Total	Aroclor-1221			35	40	2.040	2.750
Average	Aroclor-1221					2.040	2.750
11) L3	Aroclor-1232	5.90	9.14	35	40	2.643	3.417 #
12) L3	Aroclor-1232 {2}	6.98	10.66	147	156	12.123	12.587
13) L3	Aroclor-1232 {3}	8.47	12.02	126	148	7.835	12.168 #
Total	Aroclor-1232			309	345	22.601	28.172
Average	Aroclor-1232					7.534	9.391
14) L4	Aroclor-1242	6.98	10.66	147	156	4.023	4.345
15) L4	Aroclor-1242 {2}	8.47	12.02	126	148	2.855	3.839 #
16) L4	Aroclor-1242 {3}	9.47f	13.18	5109	5158	179.712	237.439 #
17) L4	Aroclor-1242 (4)	10.25	14.36	2441	2685	100.276	117.256
18) L4	Aroclor-1242 (5)	10.57	14.81	879	831	44.245	59.734 #
Total	Aroclor-1242			8703	8979	331.111	422.612
Average	Aroclor-1242					66.222	84.522
19) L5	Aroclor-1248	10.25	15.33	2441	2932	103.978	149.675 #

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D\E1A2421R.D
Acq On : 19 Sep 97 06:57 PM Operator: JS/GML
Sample : AR1254DE,AR1254DE,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	879	1051	45.160	52.848
21) L5 Aroclor-1248 {3}	0.00	16.56	0	745	N.D.	48.817 #
Total Aroclor-1248			3320	4728	149.138	251.341
Average Aroclor-1248					74.569	83.780
22) L6 Aroclor-1254	13.61	17.93	13562	14920	231.431	226.414
23) L6 Aroclor-1254 {2}	14.09	18.38	6915	7783	227.776	220.340
24) L6 Aroclor-1254 {3}	14.48	18.56	7067	6299	225.800	220.967
25) L6 Aroclor-1254 (4)	14.89	18.88	6165	6379	229.638	222.274
26) L6 Aroclor-1254 (5)	16.00	20.42	11095	9903	229.439	222.587
Total Aroclor-1254			44804	45284	1144.085	1112.582
Average Aroclor-1254					228.817	222.516
27) L7 Aroclor-1260	17.12	21.82	3301	673	119.412	27.436 #
28) L7 Aroclor-1260 {2}	18.10	22.32	1456	1622	28.663	28.383
29) L7 Aroclor-1260 {3}	19.22	24.21	1057	864	28.341	36.115 #
Total Aroclor-1260			5813	3159	176.416	91.934
Average Aroclor-1260					58.805	30.645

334

9/23/91

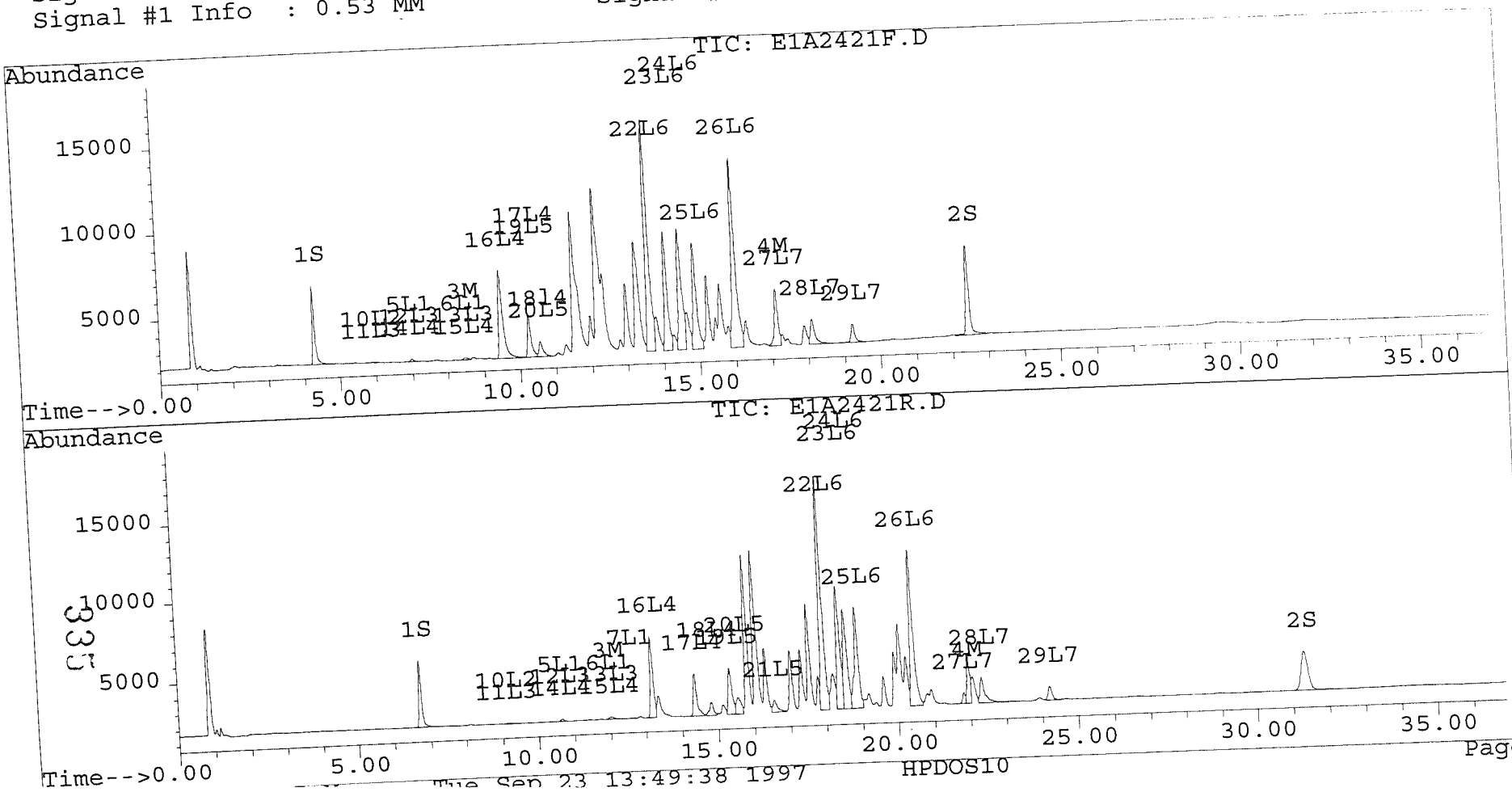
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D Vial: 4
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D\E1A2421R.D
Acq On : 19 Sep 97 06:57 PM Operator: JS/GML
Sample : AR1254DE,AR1254DE,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 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



Tue Sep 23 13:49:38 1997 HPDOS10

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D\E1A2422R.D
Acq On : 19 Sep 97 07:38 PM Operator: JS/GM
Sample : AR1660DE,AR1660DE,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4551	4174	21.347	20.80
			Recovery	=	106.74%	104.0
2) S Decachlorobiphenyl	22.43	31.33	5335	2512	21.838	21.0
			Recovery	=	109.19%	105.20
Target Compounds						
3) M 2,4,4'-Trichlorobip	8.43	12.01	12018	10258	168.291	144.43
4) M 2,2',3,3',4,4'-Hexa	17.12	21.97	10290	2566	65.766	16.3?
5) L1 Aroclor-1016	6.97	10.65	9928	9488	363.954	355.8
6) L1 Aroclor-1016 (2)	8.43	12.01	12018	10258	316.566	355.3?
7) L1 Aroclor-1016 (3)	9.52	12.61	7902	4889	365.894	356.02
Total Aroclor-1016			29849	24635	1046.414	1067.
Average Aroclor-1016					348.805	355.72
8) L2 Aroclor-1221	3.43	5.87	92	51	10.827	6.9
9) L2 Aroclor-1221 (2)	5.29	8.35	540	558	83.229	91.2
10) L2 Aroclor-1221 (3)	5.88	9.13	3692	3402	212.818	231.45
Total Aroclor-1221			4324	4011	306.874	329.68
Average Aroclor-1221					102.291	109.89
11) L3 Aroclor-1232	5.88	9.13	3692	3402	275.728	287.56
12) L3 Aroclor-1232 (2)	6.97	10.65	9928	9488	816.422	763.5
13) L3 Aroclor-1232 (3)	8.43	12.01	12018	10258	745.982	840.3
Total Aroclor-1232			25639	23148	1838.132	1892.0
Average Aroclor-1232					612.711	630.6
14) L4 Aroclor-1242	6.97	10.65	9928	9488	270.960	263.5
15) L4 Aroclor-1242 (2)	8.43	12.01	12018	10258	271.809	265.2
16) L4 Aroclor-1242 (3)	9.52	13.18	7902	5760	277.933	265.
17) L4 Aroclor-1242 (4)	10.25	14.36	6260	5527	257.144	241.3
18) L4 Aroclor-1242 (5)	10.56	14.81	4546	3058	228.818	219.7
Total Aroclor-1242			40655	34091	1306.663	1255
Average Aroclor-1242					261.333	251.0
19) L5 Aroclor-1248	10.25	15.34	6260	708	266.637	36.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D\E1A2422R.D
Acq On : 19 Sep 97 07:38 PM Operator: JS/GML
Sample : AR1660DE,AR1660DE,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	4546	1341	233.551	67.420 #
21) L5	Aroclor-1248 (3)	0.00	16.57	0	169	N.D.	11.039 #
Total	Aroclor-1248			10806	2217	500.188	114.593
Average	Aroclor-1248					250.094	38.198
22) L6	Aroclor-1254	13.62	17.91	7120	7027	121.507	106.641
23) L6	Aroclor-1254 (2)	14.10	0.00	11961	0	393.971	N.D. #
24) L6	Aroclor-1254 (3)	14.49	18.56	1189	12415	37.984	435.514 #
25) L6	Aroclor-1254 (4)	14.89	18.88	12686	13520	472.555	471.116
26) L6	Aroclor-1254 (5)	16.00	20.42	13059	11717	270.045	263.363
Total	Aroclor-1254			46015	44679	1296.062	1276.634
Average	Aroclor-1254					259.212	319.159
27) L7	Aroclor-1260	17.12	21.82	10290	8912	372.250	363.281
28) L7	Aroclor-1260 (2)	18.10	22.31	19293	21268	379.889	372.093
29) L7	Aroclor-1260 (3)	19.21	24.21	14184	8637	380.355	361.126
Total	Aroclor-1260			43766	38817	1132.493	1096.499
Average	Aroclor-1260					377.498	365.500

337
9/23/97

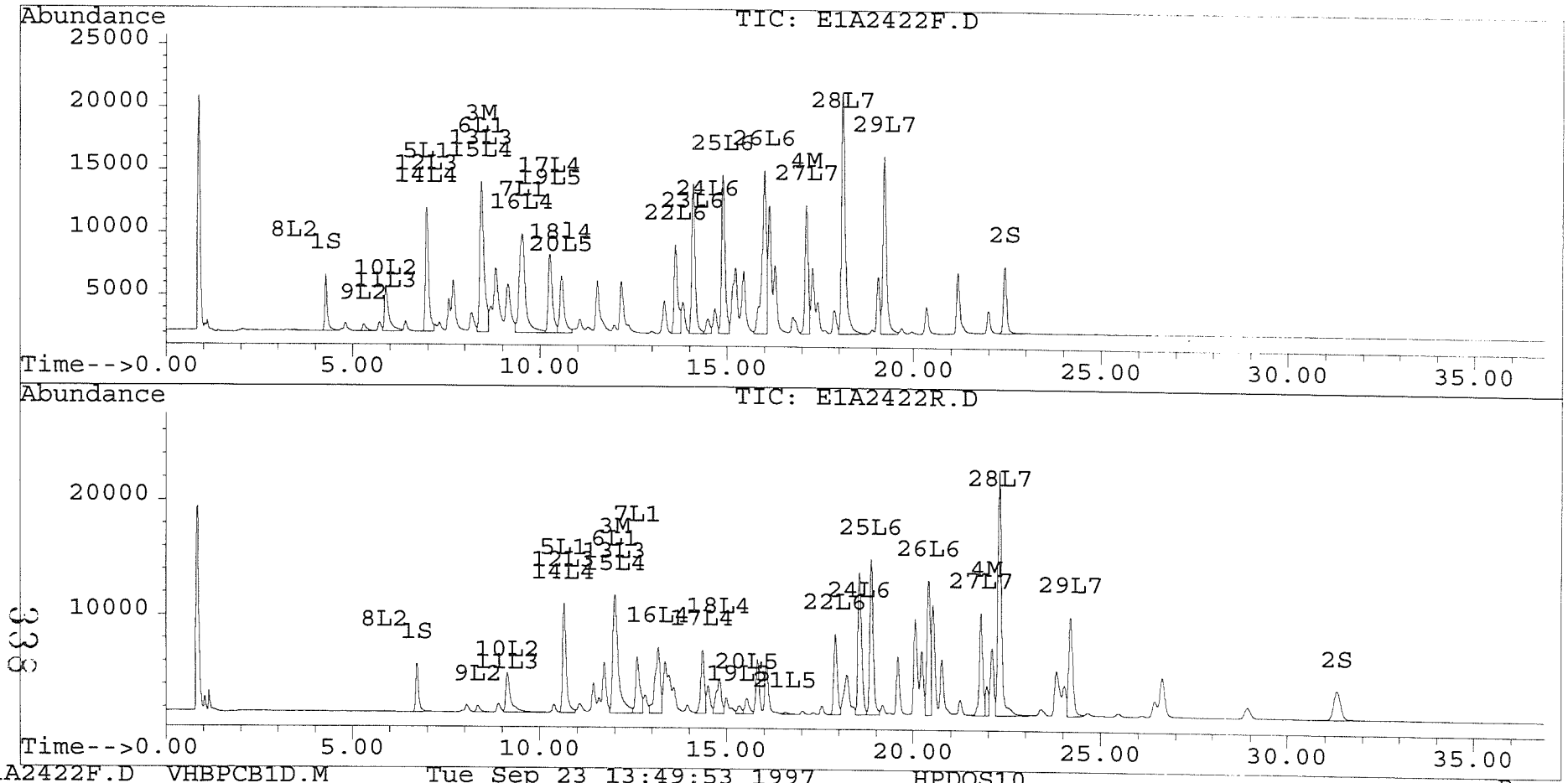
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D Vial: 5
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2422F.D\E1A2422R.D
Acq On : 19 Sep 97 07:38 PM Operator: JS/GML
Sample : AR1660DE,AR1660DE,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:39 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



E1A2422F.D VHBPCB1D.M Tue Sep 23 13:49:53 1997 HPDOS10

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D\E1A2433R.D
Acq On : 20 Sep 97 03:04 AM Operator: JS/GML
Sample : AR1248DF,AR1248DF,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4551	4174	21.345	20.806
					Recovery	=	106.73%	104.03%
2)	S	Decachlorobiphenyl	22.44	31.32	5097	2443	20.864	20.457
					Recovery	=	104.32%	102.29%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.44	12.01	5086	4713	71.214	66.368
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	260	258	1.661	1.642
5)	L1	Aroclor-1016	6.98	10.65	3838	3808	140.687	142.807
6)	L1	Aroclor-1016 {2}	8.44	12.01	5086	4713	133.958	163.277
7)	L1	Aroclor-1016 {3}	9.51	12.61	9641	1779	446.425	129.549 #
		Total Aroclor-1016			18565	10300	721.070	435.632
		Average Aroclor-1016					240.357	145.211
8)	L2	Aroclor-1221	3.43	0.00	46	0	5.380	N.D. #
9)	L2	Aroclor-1221 {2}	5.29	8.35	28	33	4.281	5.335
10)	L2	Aroclor-1221 {3}	5.90	9.14	266	287	15.310	19.556 #
		Total Aroclor-1221			339	320	24.971	24.891
		Average Aroclor-1221					8.324	12.445
11)	L3	Aroclor-1232	5.90	9.14	266	287	19.836	24.296
12)	L3	Aroclor-1232 {2}	6.98	10.65	3838	3808	315.590	306.446
13)	L3	Aroclor-1232 {3}	8.44	12.01	5086	4713	315.669	386.394
		Total Aroclor-1232			9189	8809	651.095	717.137
		Average Aroclor-1232					217.032	239.046
14)	L4	Aroclor-1242	6.98	10.65	3838	3808	104.740	105.774
15)	L4	Aroclor-1242 {2}	8.44	12.01	5086	4713	115.018	121.896
16)	L4	Aroclor-1242 {3}	9.51	13.18	9641	7109	339.104	327.235
17)	L4	Aroclor-1242 (4)	10.25	14.36	8469	7572	347.888	330.717
18)	L4	Aroclor-1242 (5)	10.56	14.81	6823	4917	343.420	353.239
		Total Aroclor-1242			33857	28120	1250.171	1238.860
		Average Aroclor-1242					250.034	247.772
19)	L5	Aroclor-1248	10.25	15.33	8469	6945	360.732	354.563

339

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D\E1A2433R.D
Acq On : 20 Sep 97 03:04 AM Operator: JS/GML
Sample : AR1248DF,AR1248DF,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	6823	7028	350.524	353.307
21) L5 Aroclor-1248 (3)	11.64	16.56	8356	5334	360.091	349.413
Total Aroclor-1248			23649	19307	1071.346	1057.283
Average Aroclor-1248					357.115	352.428
22) L6 Aroclor-1254	13.62	17.93	3875	4684	66.130	71.086
23) L6 Aroclor-1254 (2)	14.10	18.38	1518	2551	50.009	72.232 #
24) L6 Aroclor-1254 (3)	14.50	18.55	2034	702	64.979	24.635 #
25) L6 Aroclor-1254 (4)	14.89	0.00	559	0	20.817	N.D. #
26) L6 Aroclor-1254 (5)	16.01	20.43	720	641	14.899	14.417
Total Aroclor-1254			8706	8580	216.834	182.371
Average Aroclor-1254					43.367	45.593
27) L7 Aroclor-1260	17.13	21.83	260	97	9.400	3.946 #
28) L7 Aroclor-1260 (2)	18.11	22.31	115	166	2.269	2.910 #
29) L7 Aroclor-1260 (3)	19.22	24.21	94	89	2.515	3.712 #
Total Aroclor-1260			469	352	14.184	10.568
Average Aroclor-1260					4.728	3.523

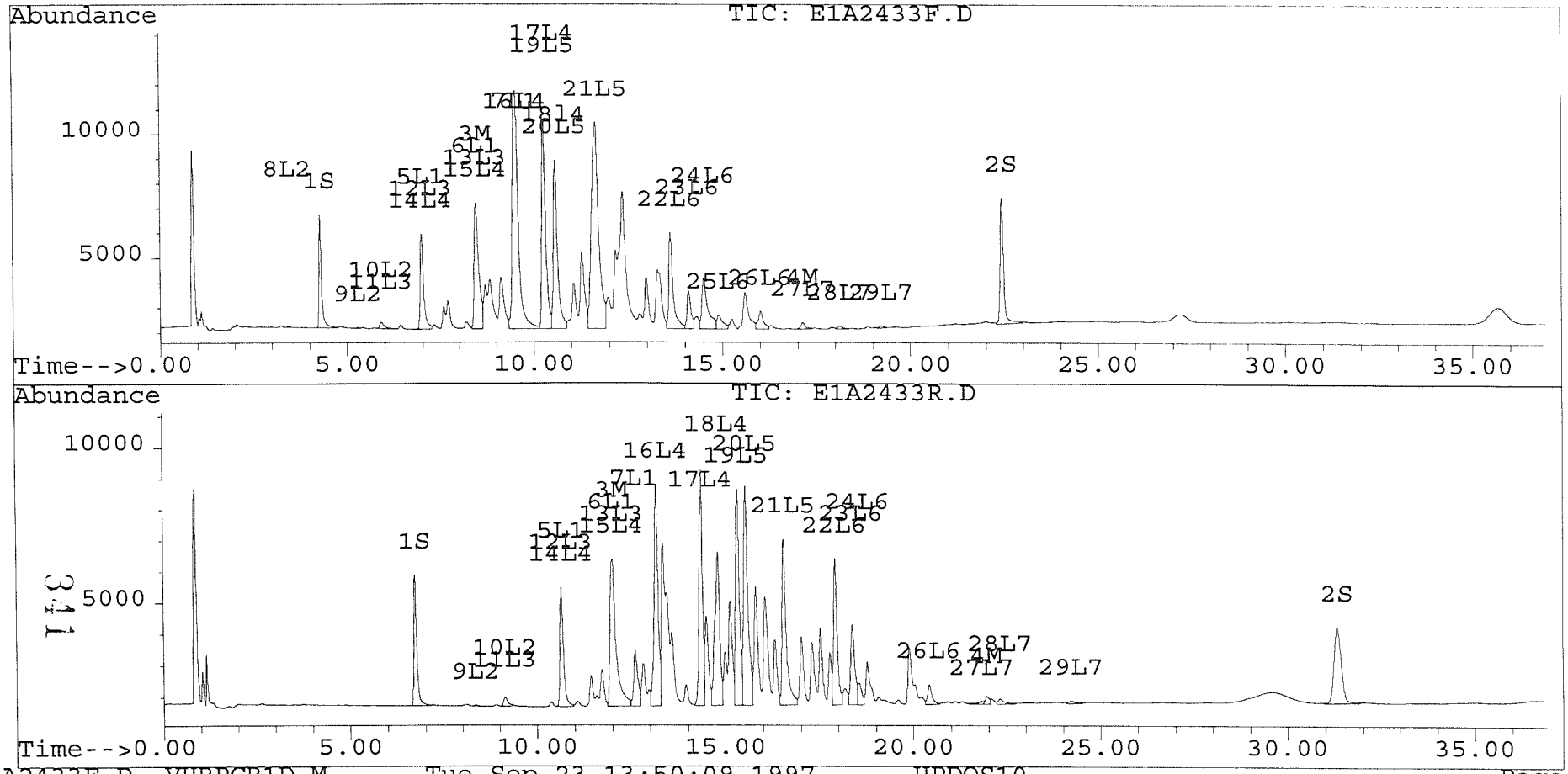
340
9/23/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D Vial: 16
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2433F.D\E1A2433R.D
Acq On : 20 Sep 97 03:04 AM Operator: JS/GML
Sample : AR1248DF,AR1248DF,,AR1248.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2434F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2434F.D\E1A2434R.D
Acq On : 20 Sep 97 03:44 AM Operator: JS/GML
Sample : COGDF,COGDF,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	2036	1910	9.551	9.519
					Recovery	=	47.76%	47.60%
2)	S	Decachlorobiphenyl	22.44	31.32	2602	1195	10.652	10.005
					Recovery	=	53.26%	50.03%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.02	76885	76365	1076.600	1075.271
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	172973	169981	1105.539	1081.255
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 {2}	8.42f	12.02	76885	76365	2025.152	2645.343
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1016			76885	76365	2025.152	2645.343
	Average	Aroclor-1016					2025.152	2645.343
8)	L2	Aroclor-1221	3.43	0.00	35	0	4.080	N.D. #
9)	L2	Aroclor-1221 {2}	5.28	8.34	87	90	13.382	14.786
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			121	90	17.462	14.786
	Average	Aroclor-1221					8.731	14.786
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	76885	76365	4772.236	6260.201
	Total	Aroclor-1232			76885	76365	4772.236	6260.201
	Average	Aroclor-1232					4772.236	6260.201
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 {2}	8.42f	12.02	76885	76365	1738.831	1974.901
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	98	0	4.924	N.D. #
	Total	Aroclor-1242			76983	76365	1743.755	1974.901
	Average	Aroclor-1242					871.877	1974.901
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

342

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2434F.D Vial: 17
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2434F.D\E1A2434R.D
Acq On : 20 Sep 97 03:44 AM Operator: JS/GML
Sample : COGDF,COGDF,COG.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.57	98	39	5.026	1.949 #
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			98	39	5.026	1.949
Average	Aroclor-1248					5.026	1.949
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 (2)	14.10	0.00	450	0	14.819	N.D. #
24) L6	Aroclor-1254 (3)	14.47f	0.00	619	0	19.764	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			1068	0	34.583	N.D.
Average	Aroclor-1254					17.291	0.000
27) L7	Aroclor-1260	17.11	0.00	172973	0	6257.635	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	90	99	2.405	4.140 #
Total	Aroclor-1260			173062	99	6260.040	4.140
Average	Aroclor-1260					3130.020	4.140

343
DS 9/23/97

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D\E1A2436R.D
Acq On : 20 Sep 97 05:06 AM Operator: JS/GML
Sample : AR1254DF,AR1254DF,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:41 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4513	4143	21.166	20.654
					Recovery	=	105.83%	103.27%
2)	S	Decachlorobiphenyl	22.43	31.32	5136	2430	21.022	20.352
					Recovery	=	105.11%	101.76%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.48f	12.02	125	153	1.748	2.154
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.95	3253	3014	20.790	19.174
5)	L1	Aroclor-1016	6.98	10.65	146	161	5.368	6.050
6)	L1	Aroclor-1016 {2}	8.48	12.02	125	153	3.287	5.299 #
7)	L1	Aroclor-1016 {3}	0.00	12.62	0	53	N.D.	3.840 #
		Total Aroclor-1016			271	367	8.656	15.189
		Average Aroclor-1016					4.328	5.063
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}	5.90	9.14	35	42	2.027	2.869 #
		Total Aroclor-1221			35	42	2.027	2.869
		Average Aroclor-1221					2.027	2.869
11)	L3	Aroclor-1232	5.90	9.14	35	42	2.626	3.564 #
12)	L3	Aroclor-1232 {2}	6.98	10.65	146	161	12.042	12.982
13)	L3	Aroclor-1232 {3}	8.48	12.02	125	153	7.747	12.541 #
		Total Aroclor-1232			306	356	22.414	29.087
		Average Aroclor-1232					7.471	9.696
14)	L4	Aroclor-1242	6.98	10.65	146	161	3.997	4.481
15)	L4	Aroclor-1242 {2}	8.48	12.02	125	153	2.823	3.956 #
16)	L4	Aroclor-1242 {3}	0.00	13.18	0	5160	N.D.	237.533 #
17)	L4	Aroclor-1242 (4)	10.25	14.36	2416	2706	99.253	118.184
18)	L4	Aroclor-1242 (5)	10.56	14.81	847	840	42.609	60.338 #
		Total Aroclor-1242			3534	9021	148.681	424.493
		Average Aroclor-1242					37.170	84.899
19)	L5	Aroclor-1248	10.25	15.33	2416	2992	102.917	152.779 #

348

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D\E1A2436R.D
Acq On : 20 Sep 97 05:06 AM Operator: JS/GML
Sample : AR1254DF,AR1254DF,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:41 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	847	1074	43.490	54.013
21) L5 Aroclor-1248 {3}	0.00	16.56	0	769	N.D.	50.399
Total Aroclor-1248			3263	4836	146.407	257.190
Average Aroclor-1248					73.204	85.730
22) L6 Aroclor-1254	13.61	17.93	13422	14913	229.052	226.313
23) L6 Aroclor-1254 {2}	14.09	18.38	6883	7856	226.728	222.415
24) L6 Aroclor-1254 {3}	14.48	18.56	7043	6304	225.035	221.152
25) L6 Aroclor-1254 (4)	14.89	18.87	6118	6386	227.885	222.516
26) L6 Aroclor-1254 (5)	16.00	20.42	10907	9828	225.554	220.898
Total Aroclor-1254			44374	45287	1134.254	1113.29
Average Aroclor-1254					226.851	222.659
27) L7 Aroclor-1260	17.12	21.82	3253	703	117.677	28.676
28) L7 Aroclor-1260 {2}	18.10	22.31	1442	1641	28.396	28.702
29) L7 Aroclor-1260 {3}	19.22	24.21	1045	882	28.031	36.856
Total Aroclor-1260			5740	3225	174.104	94.233
Average Aroclor-1260					58.035	31.411

349
09/23/97

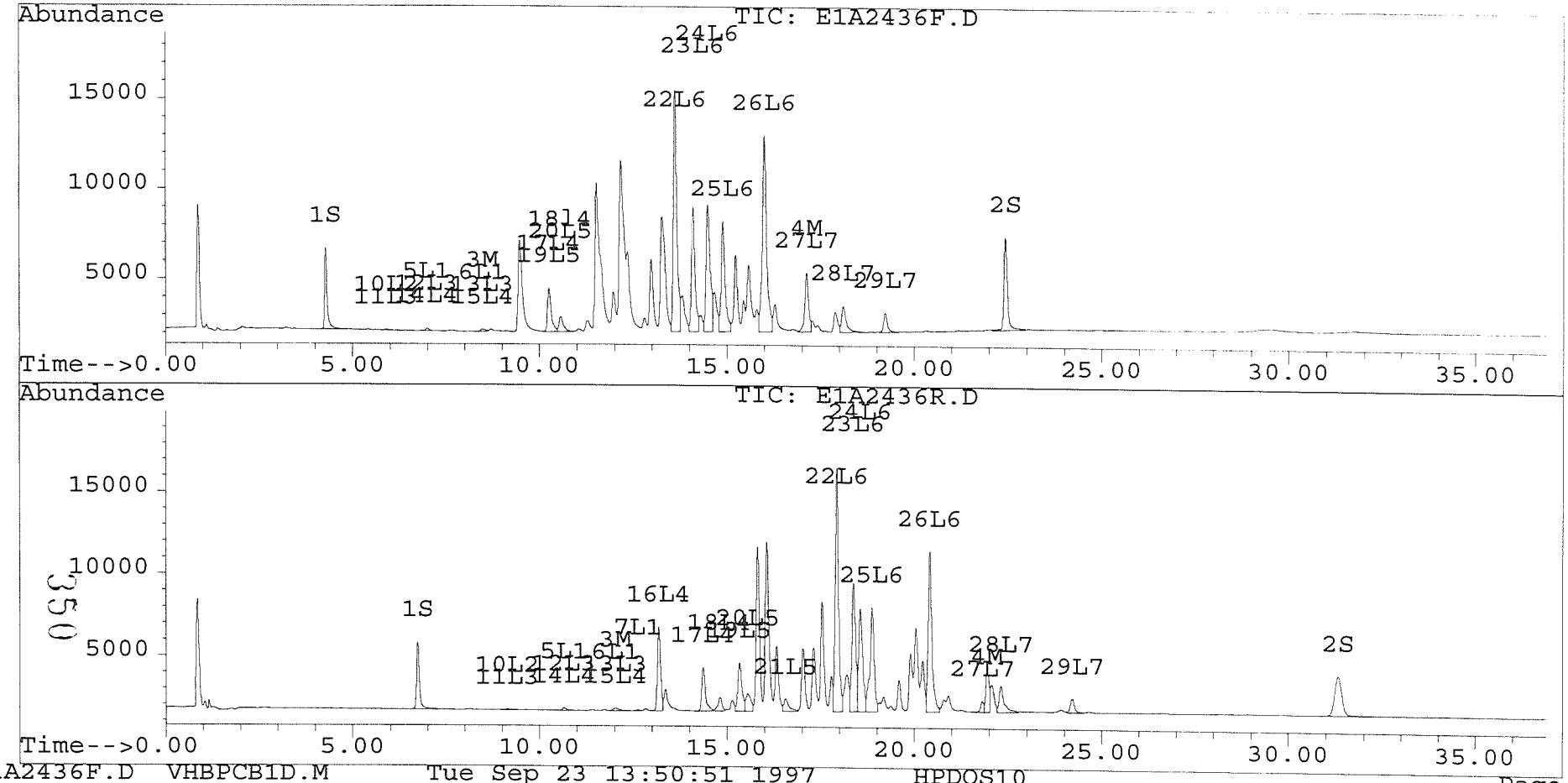
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D Vial: 19
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D\E1A2436R.D
Acq On : 20 Sep 97 05:06 AM Operator: JS/GML
Sample : AR1254DF,AR1254DF,,AR1254.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:41 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2437F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2437F.D\E1A2437R.D
Acq On : 20 Sep 97 05:46 AM Operator: JS/GML
Sample : AR1660DF,AR1660DF,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:42 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	4397	4081	20.623	20.345
					Recovery	=	103.12%	101.73%
2)	S	Decachlorobiphenyl	22.43	31.32	5327	2493	21.804	20.880
					Recovery	=	109.02%	104.40%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.43	12.01	11826	10251	165.599	144.348
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.97	10233	2568	65.405	16.333 #
5)	L1	Aroclor-1016	6.97	10.65	9794	9404	359.026	352.673
6)	L1	Aroclor-1016 (2)	8.43	12.01	11826	10251	311.502	355.120
7)	L1	Aroclor-1016 (3)	9.51	12.61	7800	4868	361.183	354.504
		Total Aroclor-1016			29420	24524	1031.710	1062.298
		Average Aroclor-1016					343.903	354.099
8)	L2	Aroclor-1221	3.43	5.87	86	51	10.164	6.911 #
9)	L2	Aroclor-1221 (2)	5.29	8.35	527	541	81.345	88.571
10)	L2	Aroclor-1221 (3)	5.88	9.13	3603	3390	207.693	230.609
		Total Aroclor-1221			4217	3982	299.201	326.091
		Average Aroclor-1221					99.734	108.697
11)	L3	Aroclor-1232	5.88	9.13	3603	3390	269.088	286.506
12)	L3	Aroclor-1232 (2)	6.97	10.65	9794	9404	805.366	756.794
13)	L3	Aroclor-1232 (3)	8.43	12.01	11826	10251	734.048	840.391
		Total Aroclor-1232			25223	23046	1808.501	1883.692
		Average Aroclor-1232					602.834	627.897
14)	L4	Aroclor-1242	6.97	10.65	9794	9404	267.290	261.217
15)	L4	Aroclor-1242 (2)	8.43	12.01	11826	10251	267.461	265.118
16)	L4	Aroclor-1242 (3)	9.51	13.18	7800	5664	274.354	260.729
17)	L4	Aroclor-1242 (4)	10.25	14.36	6154	5519	252.800	241.053
18)	L4	Aroclor-1242 (5)	10.56	14.81	4480	3036	225.472	218.084
		Total Aroclor-1242			40054	33875	1287.377	1246.200
		Average Aroclor-1242					257.475	249.240
19)	L5	Aroclor-1248	10.25	15.33	6154	715	262.133	36.529 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2437F.D Vial: 20
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2437F.D\E1A2437R.D
Acq On : 20 Sep 97 05:46 AM Operator: JS/GML
Sample : AR1660DF,AR1660DF,,AR1660.SUB Inst : E1
Misc : 2,,,1 Multiplr: 1.00
Quant Time: Sep 20 8:42 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.53	4480	1352	230.135	67.972 #
21) L5	Aroclor-1248 {3}	0.00	16.57	0	170	N.D.	11.141 #
Total	Aroclor-1248			10634	2238	492.268	115.642
Average	Aroclor-1248					246.134	38.547
22) L6	Aroclor-1254	13.62	17.91	7059	6890	120.465	104.551
23) L6	Aroclor-1254 {2}	14.09	0.00	11867	0	390.896	N.D. #
24) L6	Aroclor-1254 {3}	14.48	18.56	1179	12355	37.686	433.425 #
25) L6	Aroclor-1254 (4)	14.89	18.87	12689	13492	472.665	470.152
26) L6	Aroclor-1254 (5)	16.00	20.42	13003	11745	268.900	263.992
Total	Aroclor-1254			45799	44482	1290.612	1272.120
Average	Aroclor-1254					258.122	318.030
27) L7	Aroclor-1260	17.12	21.82	10233	8786	370.209	358.152
28) L7	Aroclor-1260 {2}	18.09	22.31	18921	20833	372.575	364.493
29) L7	Aroclor-1260 {3}	19.21	24.21	13900	8579	372.734	358.707
Total	Aroclor-1260			43054	38199	1115.518	1081.353
Average	Aroclor-1260					371.839	360.451

352

9/23/97

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2463F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2463F.D\E1A2463R.D
Acq On : 20 Sep 97 11:42 PM Operator: JS
Sample : D1422-27,SG-8,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	567	582	29.147	29.282	
21) L5	Aroclor-1248 (3)	11.64	16.57	834	460	35.940	30.111	
Total	Aroclor-1248			2203	1727	99.227	94.368	
Average	Aroclor-1248					33.076	31.456	
22) L6	Aroclor-1254	13.62	17.94	2578	2992	43.991	45.397	
23) L6	Aroclor-1254 (2)	14.10	18.38	1626	1839	53.551	52.075	
24) L6	Aroclor-1254 (3)	14.50	18.56	1450	1650	46.320	57.868	
25) L6	Aroclor-1254 (4)	14.90	18.88	1733	1786	64.536	62.246	
26) L6	Aroclor-1254 (5)	16.01	20.43	3038	2827	62.821	63.542	
Total	Aroclor-1254			10424	11094	271.219	281.128	
Average	Aroclor-1254					54.244	56.226	
27) L7	Aroclor-1260	17.13	21.83	1026	365	37.123	14.891	#
28) L7	Aroclor-1260 (2)	18.11	22.32	715	858	14.078	15.019	
29) L7	Aroclor-1260 (3)	19.22	24.22	585	506	15.698	21.162	#
Total	Aroclor-1260			2327	1730	66.899	51.071	
Average	Aroclor-1260					22.300	17.024	

271 x 10 / 6 wipes = 0.45

153

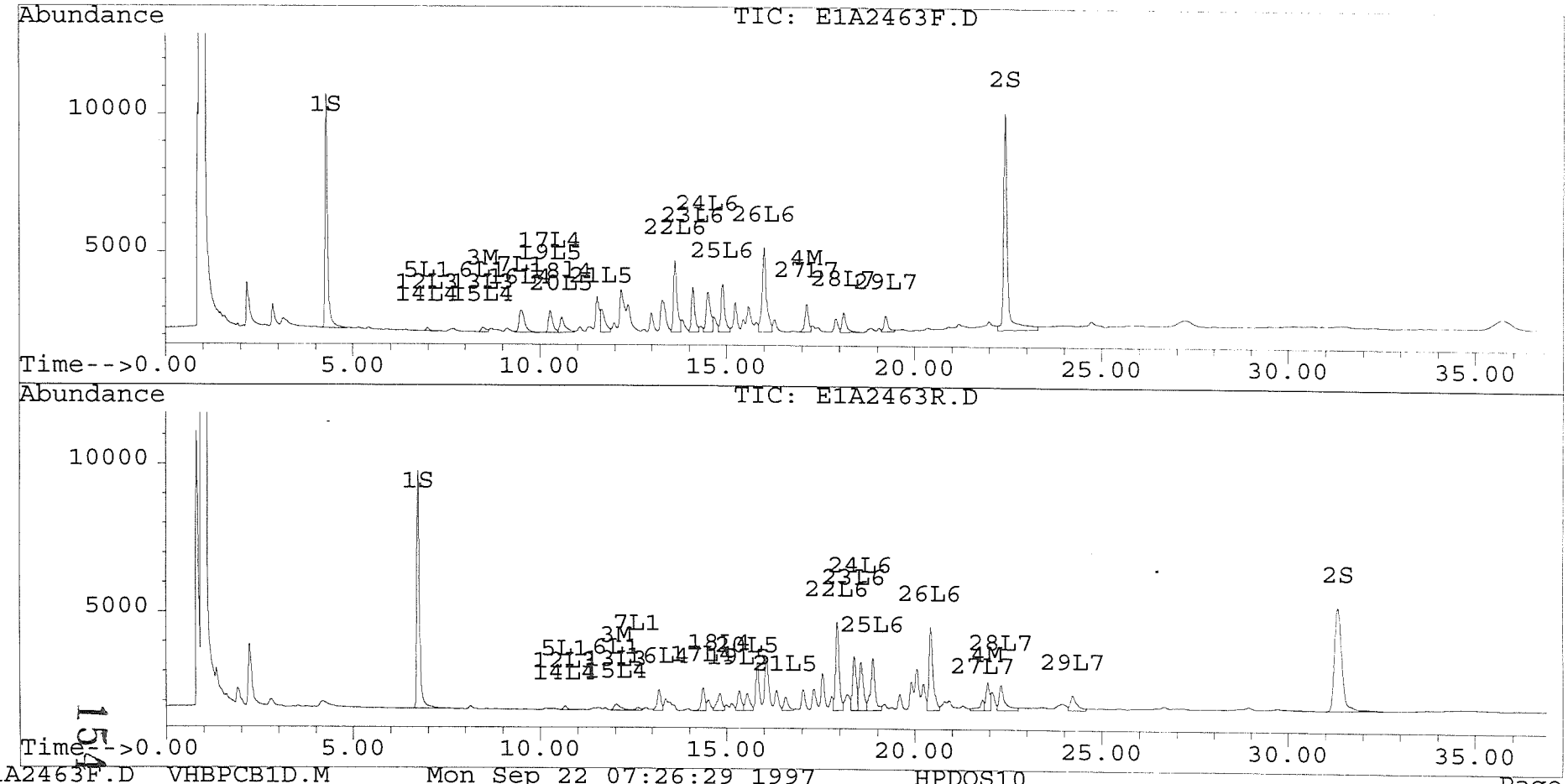
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2463F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2463F.D\E1A2463R.D
Acq On : 20 Sep 97 11:42 PM Operator: JS
Sample : D1422-27,SG-8,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2469F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2469F.D\E1A2469R.D
Acq On : 21 Sep 97 03:46 AM Operator: JS
Sample : D1422-28,SG-9,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.28	6.74	7850	7368	36.822	36.731
				Recovery	=	92.06%	91.83%
2) S	Decachlorobiphenyl	22.44	31.35	7045	3265	28.838	27.345
				Recovery	=	72.10%	68.36%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.48f	12.04	97	136	1.358	1.916 #
4) M	2,2',3,3',4,4'-Hexa	17.14	21.97	573	531	3.664	3.376
5) L1	Aroclor-1016	6.99	10.66	60	80	2.196	3.004 #
6) L1	Aroclor-1016 {2}	8.48	12.04	97	136	2.555	4.714 #
7) L1	Aroclor-1016 {3}	9.50	12.62	481	69	22.267	5.013 #
Total	Aroclor-1016			638	285	27.018	12.731
Average	Aroclor-1016					9.006	4.244
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	9.14	0	26	N.D.	1.751 #
Total	Aroclor-1221			0	26	N.D.	1.751
Average	Aroclor-1221					0.000	1.751
11) L3	Aroclor-1232	0.00	9.14	0	26	N.D.	2.175 #
12) L3	Aroclor-1232 {2}	6.99	10.66	60	80	4.926	6.446 #
13) L3	Aroclor-1232 {3}	8.48	12.04	97	136	6.021	11.155 #
Total	Aroclor-1232			157	242	10.947	19.777
Average	Aroclor-1232					5.474	6.592
14) L4	Aroclor-1242	6.99	10.66	60	80	1.635	2.225 #
15) L4	Aroclor-1242 {2}	8.48	12.04	97	136	2.194	3.519 #
16) L4	Aroclor-1242 {3}	9.50	13.19	481	452	16.914	20.812
17) L4	Aroclor-1242 (4)	10.27	14.37	481	501	19.768	21.877
18) L4	Aroclor-1242 (5)	10.58	14.82	329	383	16.552	27.517 #
Total	Aroclor-1242			1448	1552	57.063	75.950
Average	Aroclor-1242					11.413	15.190
19) L5	Aroclor-1248	10.27	15.34	481	414	20.498	21.143

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2469F.D VHBPCB1D.M Mon Sep 22 07:28:10 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2469F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2469F.D\E1A2469R.D
Acq On : 21 Sep 97 03:46 AM Operator: JS
Sample : D1422-28,SG-9,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	329	357	16.895	17.923	
21) L5	Aroclor-1248 {3}	11.65	16.57	507	288	21.867	18.852	
Total	Aroclor-1248			1318	1058	59.259	57.918	
Average	Aroclor-1248					19.753	19.306	
22) L6	Aroclor-1254	13.63	17.94	1488	1693	25.393	25.690	
23) L6	Aroclor-1254 {2}	14.11	18.39	984	975	32.416	27.607	
24) L6	Aroclor-1254 {3}	14.51	18.57	780	962	24.917	33.739	#
25) L6	Aroclor-1254 (4)	14.90	18.89	991	1030	36.921	35.879	
26) L6	Aroclor-1254 (5)	16.02	20.44	1682	1550	34.779	34.848	
Total	Aroclor-1254			5925	6210	154.425	157.763	
Average	Aroclor-1254					30.885	31.553	
27) L7	Aroclor-1260	17.14	21.83	573	211	20.738	8.590	#
28) L7	Aroclor-1260 {2}	18.11	22.33	397	489	7.808	8.551	
29) L7	Aroclor-1260 {3}	19.23	24.23	314	286	8.433	11.977	#
Total	Aroclor-1260			1284	986	36.979	29.118	
Average	Aroclor-1260					12.326	9.706	

$\frac{154.4 \times 10}{6 \text{ wipes}} = 0.26$

KC

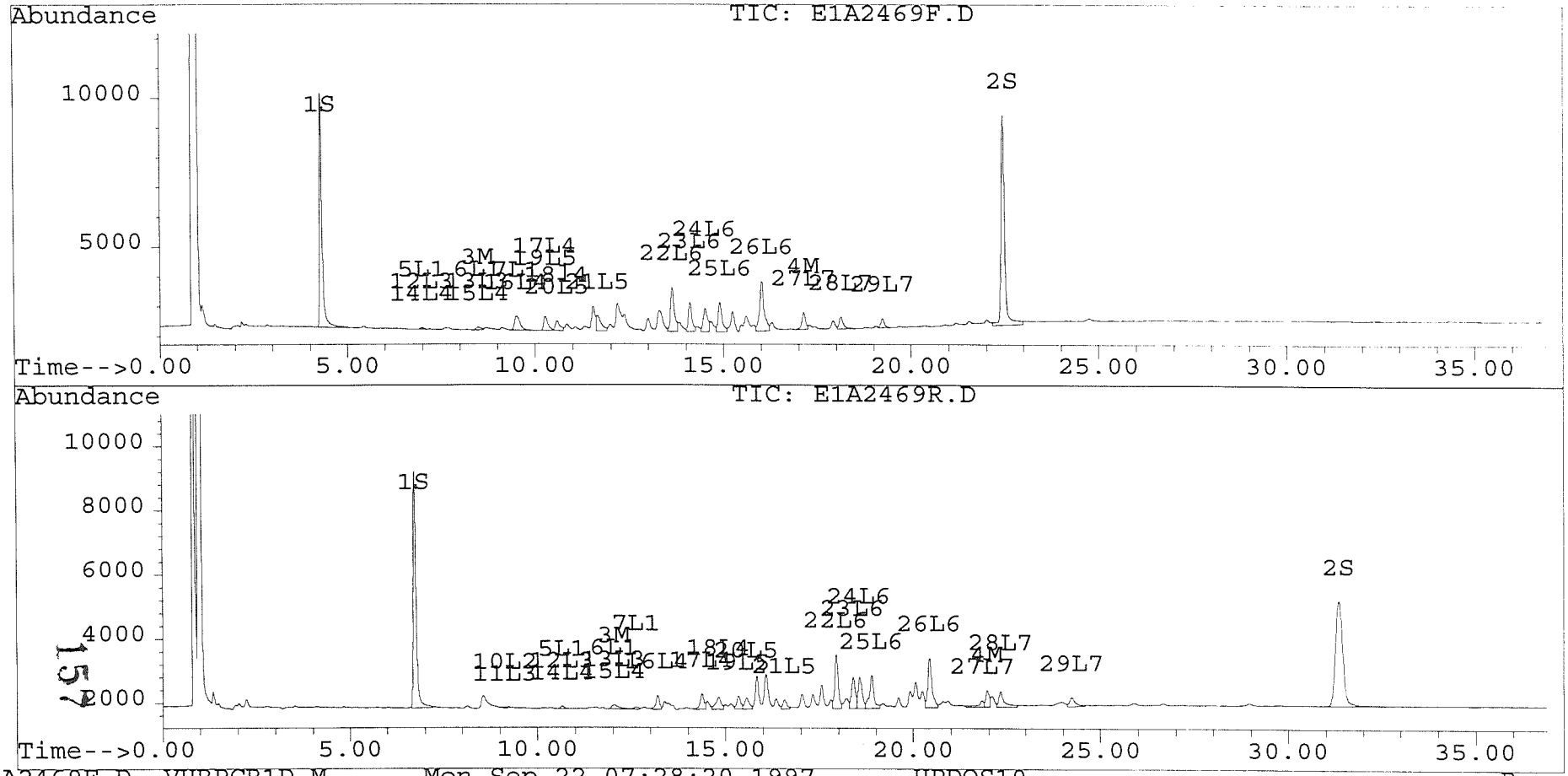
156

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2469F.D VHBPCB1D.M Mon Sep 22 07:28:12 1997 HPDOS10 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2469F.D Vial: 51
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2469F.D\E1A2469R.D
Acq On : 21 Sep 97 03:46 AM Operator: JS
Sample : D1422-28,SG-9,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2470F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2470F.D\E1A2470R.D
Acq On : 21 Sep 97 04:26 AM Operator: JS
Sample : D1422-29,SG-10,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.28	6.74	7162	6703	33.595	33.415
				Recovery	=	83.99%	83.54%
2) S	Decachlorobiphenyl	22.45	31.36	6485	2968	26.547	24.857
				Recovery	=	66.37%	62.14%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.48f	12.04	82	112	1.148	1.575 #
4) M	2,2',3,3',4,4'-Hexa	17.14	21.97	386	377	2.470	2.396
5) L1	Aroclor-1016	6.99	10.67	55	64	2.009	2.404
6) L1	Aroclor-1016 {2}	8.48	12.04	82	112	2.159	3.874 #
7) L1	Aroclor-1016 {3}	9.50	12.61	396	56	18.338	4.114 #
Total	Aroclor-1016			533	232	22.505	10.392
Average	Aroclor-1016					7.502	3.464
8) L2	Aroclor-1221	3.44	5.84	88	57	10.346	7.782
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			88	57	10.346	7.782
Average	Aroclor-1221					10.346	7.782
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	6.99	10.67	55	64	4.506	5.158
13) L3	Aroclor-1232 {3}	8.48	12.04	82	112	5.087	9.168 #
Total	Aroclor-1232			137	176	9.593	14.326
Average	Aroclor-1232					4.796	7.163
14) L4	Aroclor-1242	6.99	10.67	55	64	1.495	1.780
15) L4	Aroclor-1242 {2}	8.48	12.04	82	112	1.854	2.892 #
16) L4	Aroclor-1242 {3}	9.50	13.19	396	377	13.929	17.350
17) L4	Aroclor-1242 (4)	10.27	14.37	414	414	17.001	18.083
18) L4	Aroclor-1242 (5)	10.58	14.82	279	308	14.052	22.093 #
Total	Aroclor-1242			1226	1274	48.331	62.199
Average	Aroclor-1242					9.666	12.440
19) L5	Aroclor-1248	10.27	15.34	414	353	17.629	18.020

158

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2470F.D Vial: 52
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2470F.D\E1A2470R.D
Acq On : 21 Sep 97 04:26 AM Operator: JS
Sample : D1422-29,SG-10,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	279	286	14.343	14.401	
21) L5 Aroclor-1248 {3}	11.65	16.57	394	234	16.992	15.332	
Total Aroclor-1248			1087	873	48.963	47.753	
Average Aroclor-1248					16.321	15.918	
22) L6 Aroclor-1254	13.63	17.95	1109	1344	18.928	20.403	
23) L6 Aroclor-1254 {2}	14.11	18.39	694	813	22.873	23.024	
24) L6 Aroclor-1254 {3}	14.51	18.57	595	737	19.021	25.857	#
25) L6 Aroclor-1254 (4)	14.90	18.89	699	761	26.036	26.505	
26) L6 Aroclor-1254 (5)	16.02	20.44	1119	1112	23.133	25.002	
Total Aroclor-1254			4217	4768	109.991	120.790	
Average Aroclor-1254					21.998	24.158	
27) L7 Aroclor-1260	17.14	21.83	386	151	13.980	6.156	#
28) L7 Aroclor-1260 {2}	18.12	22.33	234	326	4.603	5.701	
29) L7 Aroclor-1260 {3}	19.23	24.23	207	195	5.558	8.160	#
Total Aroclor-1260			827	672	24.141	20.017	
Average Aroclor-1260					8.047	6.672	

$\frac{1/0 \times 10}{6 \text{ wipes}} = 0.18$

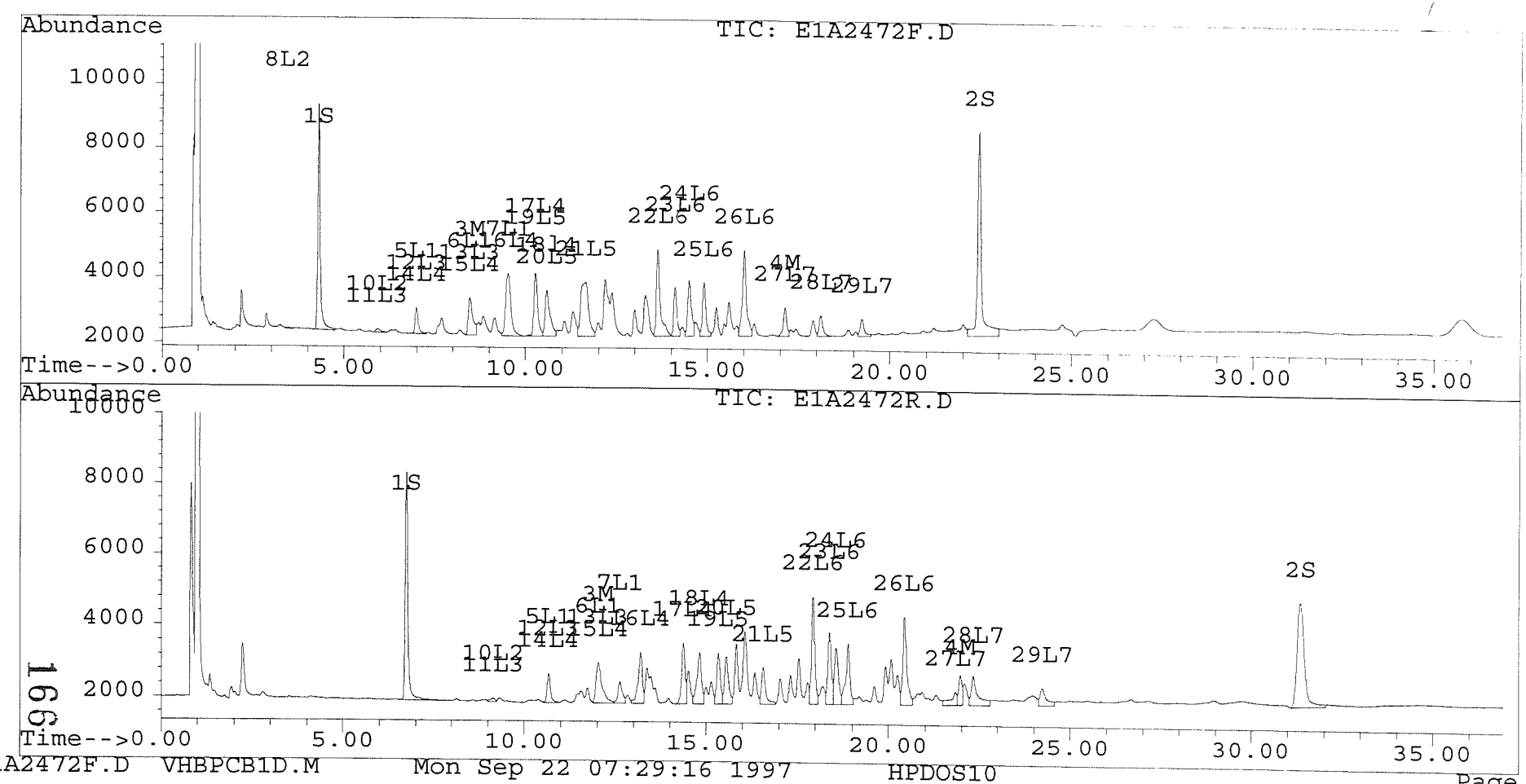
159

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2472F.D Vial: 54
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2472F.D\E1A2472R.D
Acq On : 21 Sep 97 05:47 AM Operator: JS
Sample : D1422-31,SG-12,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2473F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2473F.D\E1A2473R.D
Acq On : 21 Sep 97 06:27 AM Operator: JS
Sample : D1422-32,SG-13,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.29	6.74	7502	7118	35.189	35.484
				Recovery	=	87.97%	88.71%
2) S	Decachlorobiphenyl	22.45	31.36	6941	3247	28.411	27.190
				Recovery	=	71.03%	67.98%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.48f	12.04	202	253	2.830	3.556 #
4) M	2,2',3,3',4,4'-Hexa	17.14	21.97	1969	1709	12.588	10.870
5) L1	Aroclor-1016	6.99	10.67	100	118	3.680	4.408
6) L1	Aroclor-1016 {2}	8.48	12.04	202	253	5.324	8.748 #
7) L1	Aroclor-1016 {3}	9.50	12.62	746	112	34.540	8.165 #
Total	Aroclor-1016			1048	482	43.544	21.321
Average	Aroclor-1016					14.515	7.107
8) L2	Aroclor-1221	3.44	0.00	75	0	8.839	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			75	0	8.839	N.D.
Average	Aroclor-1221					8.839	0.000
11) L3	Aroclor-1232	5.94f	0.00	17	0	1.269	N.D. #
12) L3	Aroclor-1232 {2}	6.99	10.67	100	118	8.255	9.460
13) L3	Aroclor-1232 {3}	8.48	12.04	202	253	12.545	20.701 #
Total	Aroclor-1232			319	370	22.069	30.161
Average	Aroclor-1232					7.356	15.081
14) L4	Aroclor-1242	6.99	10.67	100	118	2.740	3.265
15) L4	Aroclor-1242 {2}	8.48	12.04	202	253	4.571	6.531 #
16) L4	Aroclor-1242 {3}	9.50	13.20	746	668	26.237	30.742
17) L4	Aroclor-1242 (4)	10.27	14.38	819	803	33.660	35.062
18) L4	Aroclor-1242 (5)	10.58	14.83	606	622	30.505	44.674 #
Total	Aroclor-1242			2474	2463	97.712	120.273
Average	Aroclor-1242					19.542	24.055
19) L5	Aroclor-1248	10.27	15.34	819	843	34.903	43.048

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2473F.D VHBPCB1D.M Mon Sep 22 07:29:25 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2473F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2473F.D\E1A2473R.D
Acq On : 21 Sep 97 06:27 AM Operator: JS
Sample : D1422-32,SG-13,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	606	708	31.136	35.588	
21) L5 Aroclor-1248 {3}	11.65	16.58	1031	638	44.414	41.818	
Total Aroclor-1248			2456	2189	110.453	120.454	
Average Aroclor-1248					36.818	40.151	
22) L6 Aroclor-1254	13.63	17.94	3894	4472	66.452	67.862	
23) L6 Aroclor-1254 {2}	14.11	18.39	2635	2986	86.782	84.539	
24) L6 Aroclor-1254 {3}	14.51	18.57	2485	2586	79.389	90.710	
25) L6 Aroclor-1254 (4)	14.90	18.89	2928	3049	109.051	106.256	
26) L6 Aroclor-1254 (5)	16.02	20.44	5521	5083	114.162	114.250	
Total Aroclor-1254			17462	18176	455.837	463.617	
Average Aroclor-1254					91.167	92.723	
27) L7 Aroclor-1260	17.14	21.84	1969	622	71.249	25.369	#
28) L7 Aroclor-1260 {2}	18.12	22.33	1395	1575	27.478	27.555	
29) L7 Aroclor-1260 {3}	19.23	24.23	1126	852	30.183	35.624	
Total Aroclor-1260			4491	3049	128.911	88.548	
Average Aroclor-1260					42.970	29.516	

$\frac{456 \times 10}{6 \text{ wipes}} = (0.76)$ KL

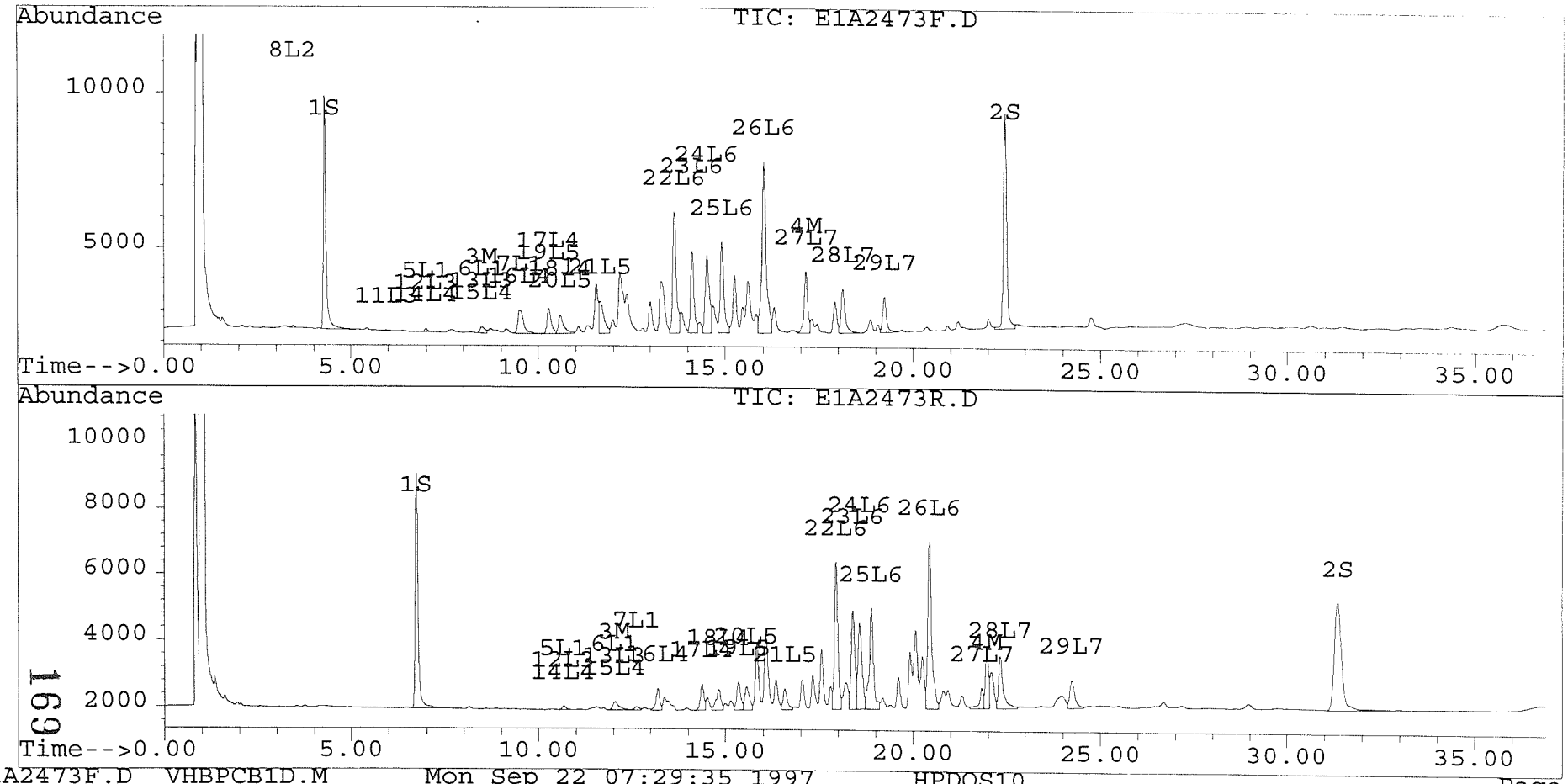
168

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2473F.D VHBPCB1D.M Mon Sep 22 07:29:26 1997 HPDOS10 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2473F.D Vial: 55
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2473F.D\E1A2473R.D
Acq On : 21 Sep 97 06:27 AM Operator: JS
Sample : D1422-32,SG-13,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2474F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2474F.D\E1A2474R.D
Acq On : 21 Sep 97 07:08 AM Operator: JS
Sample : D1422-33,SG-14,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
		System Monitoring Compounds							
1)	S	Tetrachloro-m-xylen	4.29	6.74	7831	7391	36.733	36.845	
					Recovery	=	91.83%	92.11%	
2)	S	Decachlorobiphenyl	22.45	31.36	7223	3377	29.565	28.277	
					Recovery	=	73.91%	70.69%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.48f	12.04	198	246	2.768	3.461	#
4)	M	2,2',3,3',4,4'-Hexa	17.14	21.97	2014	1757	12.873	11.174	
5)	L1	Aroclor-1016	6.99	10.67	105	141	3.855	5.302	#
6)	L1	Aroclor-1016 {2}	8.48	12.04	198	246	5.208	8.515	#
7)	L1	Aroclor-1016 {3}	9.50	12.61	965	121	44.695	8.800	#
		Total Aroclor-1016			1268	508	53.757	22.616	
		Average Aroclor-1016					17.919	7.539	
8)	L2	Aroclor-1221	3.43	0.00	204	0	24.028	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			204	0	24.028	N.D.	
		Average Aroclor-1221					24.028	0.000	
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.	
12)	L3	Aroclor-1232 {2}	6.99	10.67	105	141	8.647	11.377	#
13)	L3	Aroclor-1232 {3}	8.48	12.04	198	246	12.272	20.150	#
		Total Aroclor-1232			303	387	20.919	31.527	
		Average Aroclor-1232					10.459	15.763	
14)	L4	Aroclor-1242	6.99	10.67	105	141	2.870	3.927	#
15)	L4	Aroclor-1242 {2}	8.48	12.04	198	246	4.471	6.357	#
16)	L4	Aroclor-1242 {3}	9.50	13.20	965	860	33.950	39.581	
17)	L4	Aroclor-1242 (4)	10.27	14.37	1052	1023	43.199	44.698	
18)	L4	Aroclor-1242 (5)	10.58	14.82	770	768	38.746	55.165	#
		Total Aroclor-1242			3090	3038	123.236	149.727	
		Average Aroclor-1242					24.647	29.945	
19)	L5	Aroclor-1248	10.27	15.34	1052	1043	44.794	53.124	

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2474F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2474F.D\E1A2474R.D
Acq On : 21 Sep 97 07:08 AM Operator: JS
Sample : D1422-33,SG-14,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	770	862	39.547	43.323	
21) L5	Aroclor-1248 {3}	11.64	16.57	1271	753	54.761	49.357	
Total	Aroclor-1248			3092	2658	139.101	145.942	
Average	Aroclor-1248					46.367	48.647	
22) L6	Aroclor-1254	13.63	17.95	4554	5176	77.718	78.546	
23) L6	Aroclor-1254 {2}	14.11	18.39	2966	3377	97.686	95.609	
24) L6	Aroclor-1254 {3}	14.50	18.57	2777	2944	88.726	103.286	
25) L6	Aroclor-1254 (4)	14.90	18.89	3204	3360	119.335	117.072	
26) L6	Aroclor-1254 (5)	16.01	20.44	5895	5378	121.912	120.875	
Total	Aroclor-1254			19396	20235	505.377	515.390	
Average	Aroclor-1254					101.075	103.078	
27) L7	Aroclor-1260	17.14	21.84	2014	690	72.866	28.135	#
28) L7	Aroclor-1260 {2}	18.11	22.33	1498	1705	29.489	29.837	
29) L7	Aroclor-1260 {3}	19.23	24.23	1209	928	32.411	38.799	
Total	Aroclor-1260			4720	3324	134.765	96.771	
Average	Aroclor-1260					44.922	32.257	

505 x 10 / 6 wipes = 0.84 KC

171

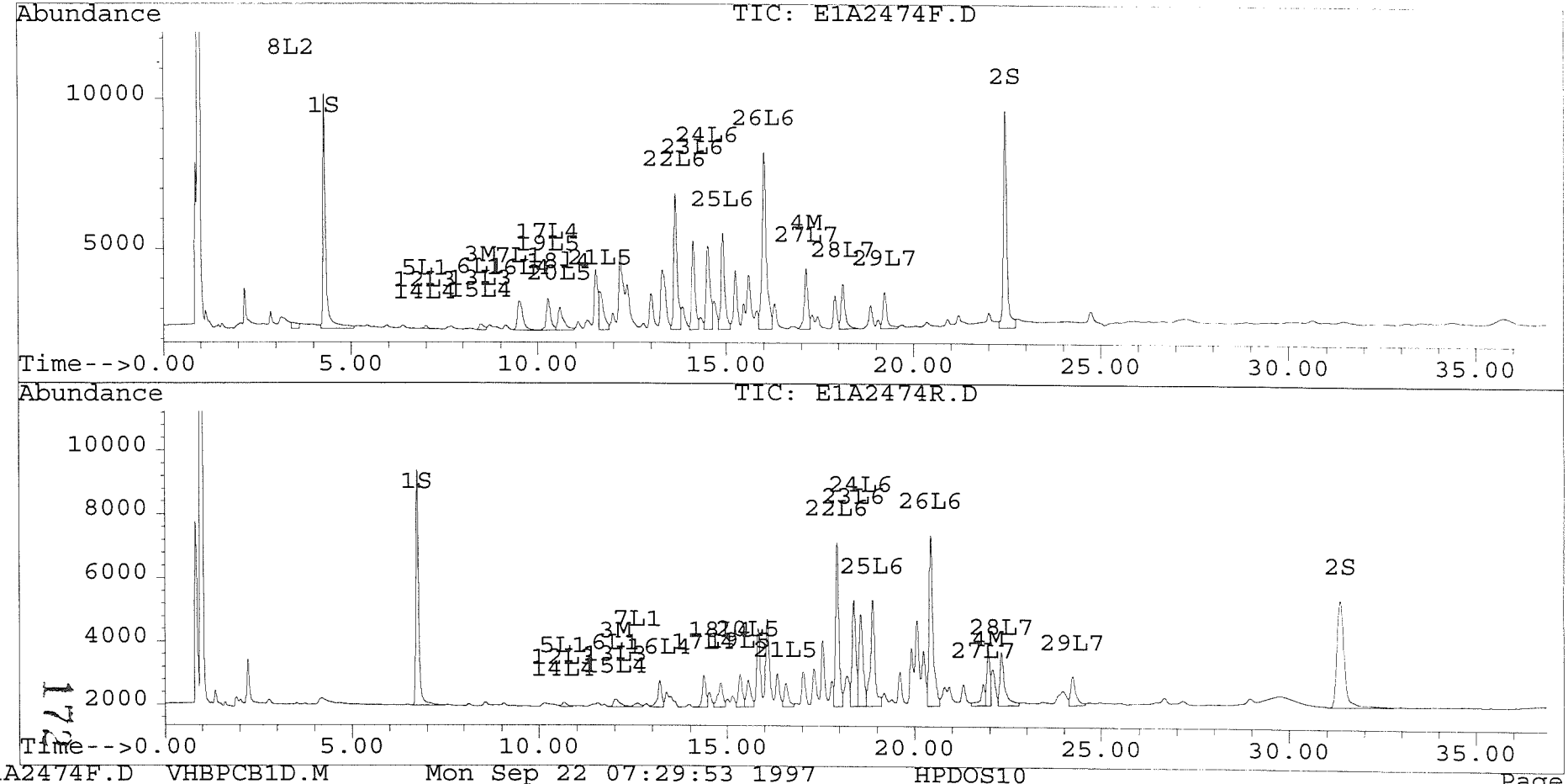
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2474F.D VHBPCB1D.M Mon Sep 22 07:29:45 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2474F.D Vial: 56
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2474F.D\E1A2474R.D
Acq On : 21 Sep 97 07:08 AM Operator: JS
Sample : D1422-33,SG-14,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2475F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2475F.D\E1A2475R.D
Acq On : 21 Sep 97 07:49 AM Operator: JS
Sample : D1422-34,SG-15,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	8863	8476	41.570	42.251
					Recovery	=	103.93%	105.63%
2)	S	Decachlorobiphenyl	22.44	31.36	8177	3781	33.468	31.668
					Recovery	=	83.67%	79.17%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.48f	12.04	199	252	2.785	3.555 #
4)	M	2,2',3,3',4,4'-Hexa	17.14	21.97	1028	1060	6.568	6.743
5)	L1	Aroclor-1016	6.99	10.67	122	140	4.485	5.247
6)	L1	Aroclor-1016 (2)	8.48	12.04	199	252	5.239	8.745 #
7)	L1	Aroclor-1016 (3)	9.50	12.62	877	118	40.597	8.583 #
	Total	Aroclor-1016			1198	510	50.321	22.575
	Average	Aroclor-1016					16.774	7.525
8)	L2	Aroclor-1221	3.44	0.00	56	0	6.568	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			56	0	6.568	N.D.
	Average	Aroclor-1221					6.568	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 (2)	6.99	10.67	122	140	10.061	11.260
13)	L3	Aroclor-1232 (3)	8.48	12.04	199	252	12.346	20.695 #
	Total	Aroclor-1232			321	392	22.407	31.955
	Average	Aroclor-1232					11.203	15.978
14)	L4	Aroclor-1242	6.99	10.67	122	140	3.339	3.886
15)	L4	Aroclor-1242 (2)	8.48	12.04	199	252	4.498	6.529 #
16)	L4	Aroclor-1242 (3)	9.50	13.20	877	779	30.837	35.872
17)	L4	Aroclor-1242 (4)	10.27	14.37	938	904	38.512	39.491
18)	L4	Aroclor-1242 (5)	10.58	14.82	643	666	32.360	47.849 #
	Total	Aroclor-1242			2778	2742	109.547	133.628
	Average	Aroclor-1242					21.909	26.726
19)	L5	Aroclor-1248	10.27	15.34	938	818	39.934	41.777

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2475F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2475F.D\E1A2475R.D
Acq On : 21 Sep 97 07:49 AM Operator: JS
Sample : D1422-34,SG-15,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	643	696	33.029	34.985	
21) L5	Aroclor-1248 {3}	11.65	16.57	923	588	39.783	38.522	
Total	Aroclor-1248			2504	2102	112.746	115.284	
Average	Aroclor-1248					37.582	38.428	
22) L6	Aroclor-1254	13.63	17.94	2639	3119	45.040	47.326	
23) L6	Aroclor-1254 {2}	14.11	18.39	1680	2091	55.337	59.183	
24) L6	Aroclor-1254 {3}	14.50	18.57	1585	1775	50.632	62.275	
25) L6	Aroclor-1254 (4)	14.90	18.89	1776	1963	66.157	68.398	
26) L6	Aroclor-1254 (5)	16.01	20.44	3020	2939	62.461	66.064	
Total	Aroclor-1254			10701	11886	279.627	303.248	
Average	Aroclor-1254					55.925	60.650	
27) L7	Aroclor-1260	17.14	21.83	1028	503	37.179	20.511	#
28) L7	Aroclor-1260 {2}	18.11	22.33	725	994	14.270	17.393	
29) L7	Aroclor-1260 {3}	19.23	24.23	623	582	16.703	24.330	#
Total	Aroclor-1260			2375	2079	68.152	62.233	
Average	Aroclor-1260					22.717	20.744	

$\frac{279.6 \times 10}{6} = 0.47$ ppm

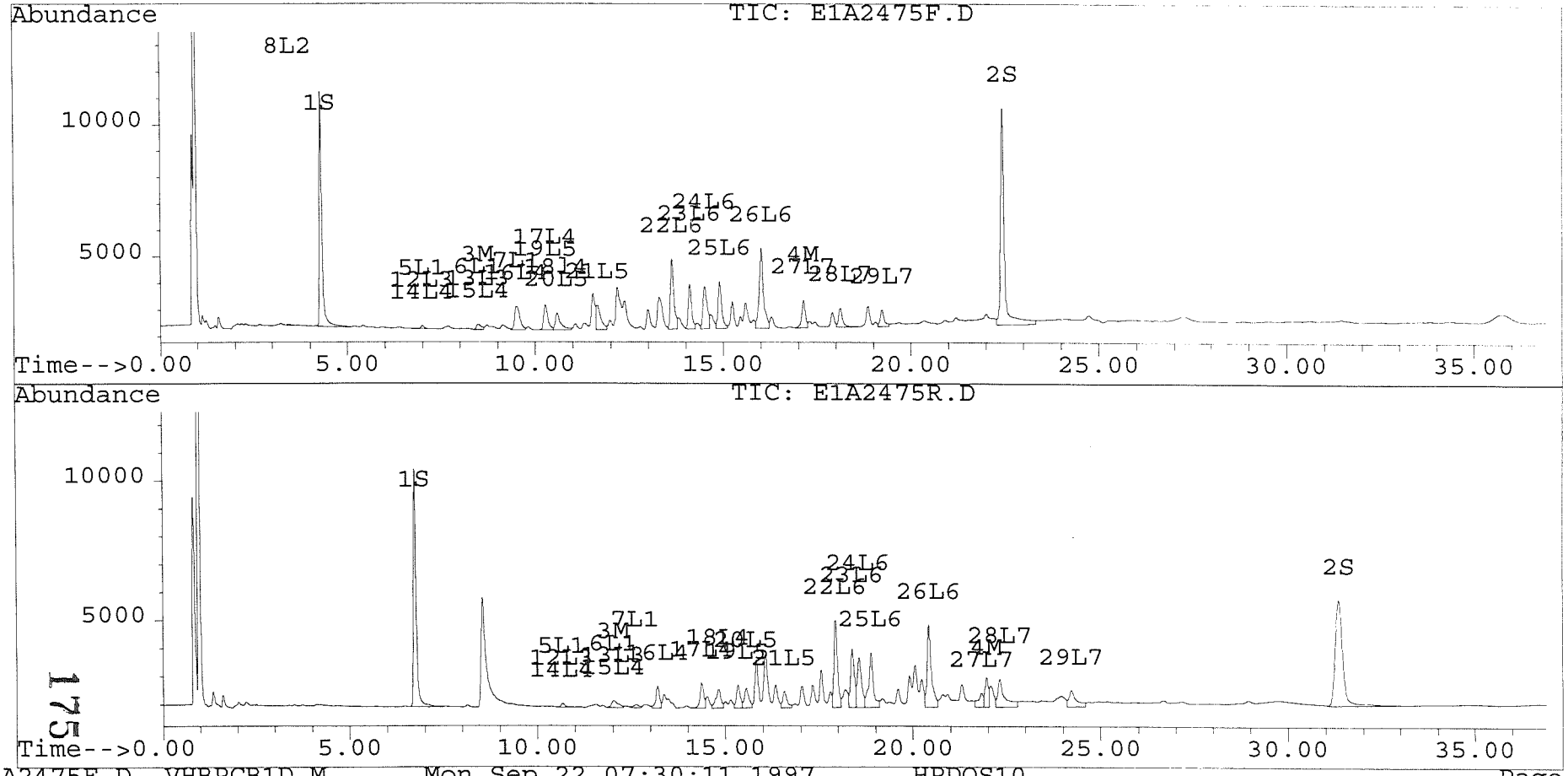
174

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2475F.D Vial: 57
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2475F.D\E1A2475R.D
Acq On : 21 Sep 97 07:49 AM Operator: JS
Sample : D1422-34,SG-15,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:29 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



175

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D\E1A2476R.D
Acq On : 21 Sep 97 08:29 AM Operator: JS
Sample : D1422-35,SG-16,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	8547	7586	40.091	37.814
					Recovery	=	100.23%	94.54%
2)	S	Decachlorobiphenyl	22.44	31.35	8260	3474	33.811	29.091
					Recovery	=	84.53%	72.73%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.48f	12.04	219	258	3.062	3.637
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	325	360	2.076	2.289
5)	L1	Aroclor-1016	6.99	10.67	84	95	3.070	3.556
6)	L1	Aroclor-1016 {2}	8.48	12.04	219	258	5.760	8.946 #
7)	L1	Aroclor-1016 {3}	9.51	12.62	468	73	21.689	5.285 #
	Total	Aroclor-1016			771	426	30.519	17.788
	Average	Aroclor-1016					10.173	5.929
8)	L2	Aroclor-1221	3.44	0.00	47	0	5.508	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			47	0	5.508	N.D.
	Average	Aroclor-1221					5.508	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	6.99	10.67	84	95	6.887	7.630
13)	L3	Aroclor-1232 {3}	8.48	12.04	219	258	13.573	21.172 #
	Total	Aroclor-1232			302	353	20.460	28.802
	Average	Aroclor-1232					10.230	14.401
14)	L4	Aroclor-1242	6.99	10.67	84	95	2.286	2.634
15)	L4	Aroclor-1242 {2}	8.48	12.04	219	258	4.946	6.679 #
16)	L4	Aroclor-1242 {3}	9.51	13.19	468	372	16.475	17.111
17)	L4	Aroclor-1242 (4)	10.27	14.37	443	416	18.216	18.188
18)	L4	Aroclor-1242 (5)	10.58	14.82	337	307	16.962	22.085 #
	Total	Aroclor-1242			1551	1449	58.885	66.697
	Average	Aroclor-1242					11.777	13.339
19)	L5	Aroclor-1248	10.27	15.34	443	284	18.888	14.499

176

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D\E1A2476R.D
Acq On : 21 Sep 97 08:29 AM Operator: JS
Sample : D1422-35,SG-16,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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}	10.58	15.56	337	272	17.313	13.671	
21) L5	Aroclor-1248 {3}	11.65	16.58	337	193	14.527	12.666	
Total	Aroclor-1248			1118	749	50.729	40.836	
Average	Aroclor-1248					16.910	13.612	
22) L6	Aroclor-1254	13.63	17.95	753	861	12.855	13.063	
23) L6	Aroclor-1254 {2}	14.11	18.39	497	529	16.359	14.978	
24) L6	Aroclor-1254 {3}	14.51	18.57	396	488	12.653	17.120	#
25) L6	Aroclor-1254 (4)	14.90	18.89	531	525	19.768	18.289	
26) L6	Aroclor-1254 (5)	16.02	20.44	880	818	18.194	18.397	
Total	Aroclor-1254			3057	3221	79.830	81.848	
Average	Aroclor-1254					15.966	16.370	
27) L7	Aroclor-1260	17.13	21.83	325	178	11.753	7.262	#
28) L7	Aroclor-1260 {2}	18.11	22.32	225	330	4.436	5.780	#
29) L7	Aroclor-1260 {3}	19.23	24.23	184	198	4.922	8.299	#
Total	Aroclor-1260			734	707	21.112	21.341	
Average	Aroclor-1260					7.037	7.114	

< RL

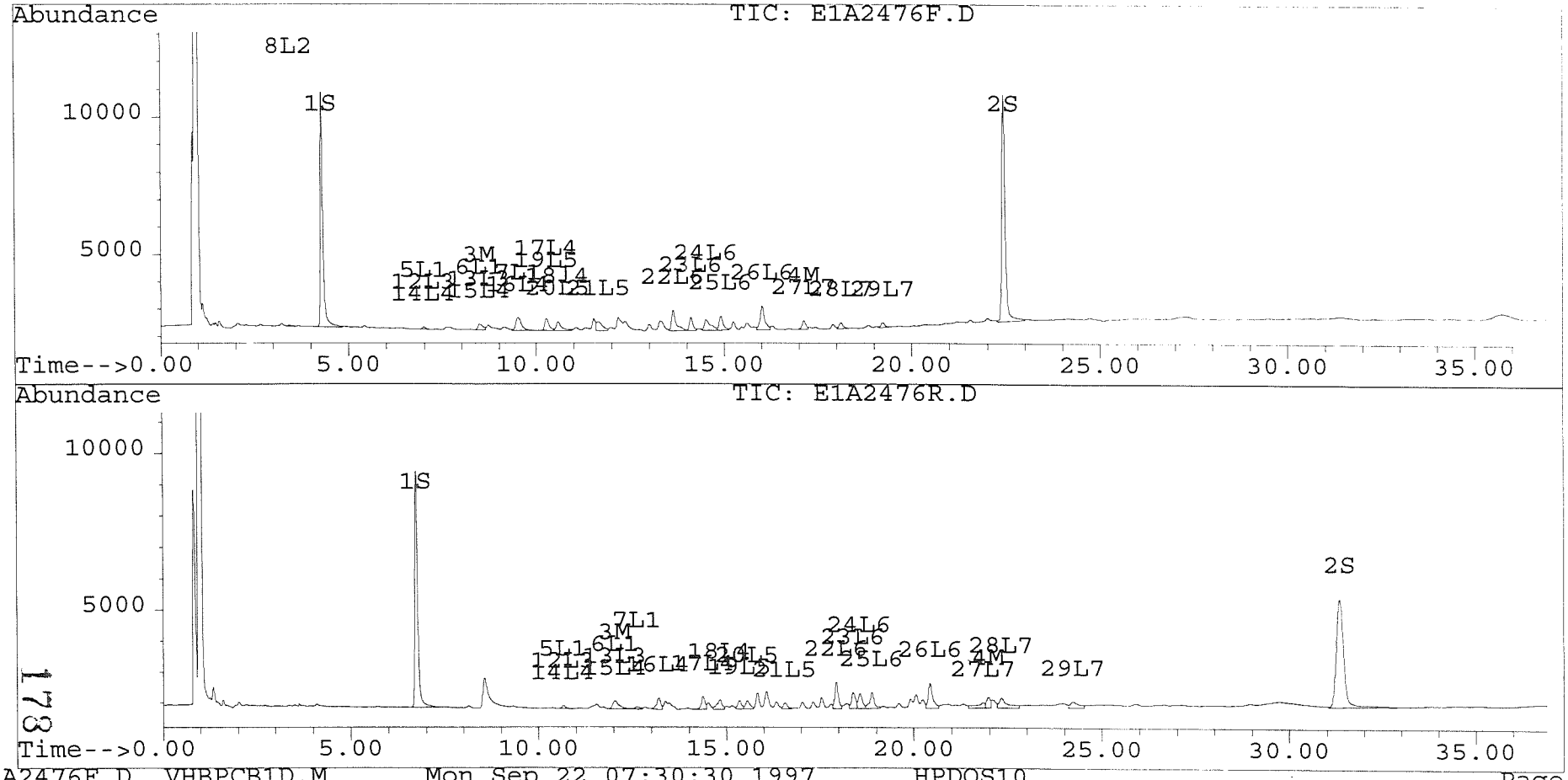
177

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D Vial: 58
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2476F.D\E1A2476R.D
Acq On : 21 Sep 97 08:29 AM Operator: JS
Sample : D1422-35,SG-16,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2477F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2477F.D\E1A2477R.D
Acq On : 21 Sep 97 09:10 AM Operator: JS
Sample : D1422-36,SG-17,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.74	9831	7342	46.113	36.601
					Recovery	=	115.28%	91.50%
2)	S	Decachlorobiphenyl	22.43	31.34	10007	3721	40.959	31.166
					Recovery	=	102.40%	77.92%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.46	12.03	1328	1133	18.600	15.960
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	4559	3086	29.136	19.631 #
5)	L1	Aroclor-1016	6.98	10.66	727	623	26.659	23.372
6)	L1	Aroclor-1016 {2}	8.46	12.03	1328	1133	34.988	39.264
7)	L1	Aroclor-1016 {3}	9.50	12.62	3307	537	153.141	39.117 #
		Total Aroclor-1016			5363	2294	214.788	101.752
		Average Aroclor-1016					71.596	33.917
8)	L2	Aroclor-1221	3.43	0.00	71	0	8.375	N.D. #
9)	L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10)	L2	Aroclor-1221 {3}	5.93f	9.13	77	42	4.464	2.886 #
		Total Aroclor-1221			149	42	12.839	2.886
		Average Aroclor-1221					6.419	2.886
11)	L3	Aroclor-1232	5.93f	9.13	77	42	5.783	3.586 #
12)	L3	Aroclor-1232 {2}	6.98	10.66	727	623	59.801	50.153
13)	L3	Aroclor-1232 {3}	8.46	12.03	1328	1133	82.448	92.918
		Total Aroclor-1232			2133	1799	148.032	146.656
		Average Aroclor-1232					49.344	48.885
14)	L4	Aroclor-1242	6.98	10.66	727	623	19.847	17.311
15)	L4	Aroclor-1242 {2}	8.46	12.03	1328	1133	30.041	29.313
16)	L4	Aroclor-1242 {3}	9.50	13.19	3307	2129	116.326	97.983
17)	L4	Aroclor-1242 (4)	10.25	14.37	3589	2585	147.412	112.907
18)	L4	Aroclor-1242 (5)	10.56	14.82	2828	2118	142.320	152.128
		Total Aroclor-1242			11779	8588	455.946	409.643
		Average Aroclor-1242					91.189	81.929
19)	L5	Aroclor-1248	10.25	15.33	3589	2770	152.854	141.436

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2477F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2477F.D\E1A2477R.D
Acq On : 21 Sep 97 09:10 AM Operator: JS
Sample : D1422-36,SG-17,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	2828	2411	145.263	121.190	
21) L5	Aroclor-1248 {3}	11.63	16.57	4206	1892	181.240	123.911	#
Total	Aroclor-1248			10622	7073	479.358	386.537	
Average	Aroclor-1248					159.786	128.846	
22) L6	Aroclor-1254	13.61	17.94	10602	9332	180.921	141.612	
23) L6	Aroclor-1254 {2}	14.09	18.38	6207	6522	204.460	184.653	
24) L6	Aroclor-1254 {3}	14.48	18.56	7387	4710	236.037	165.211	#
25) L6	Aroclor-1254 (4)	14.88	18.88	7313	5872	272.405	204.606	
26) L6	Aroclor-1254 (5)	16.00	20.43	13509	9308	279.360	209.220	#
Total	Aroclor-1254			45019	35744	1173.183	905.301	
Average	Aroclor-1254					234.637	181.060	
27) L7	Aroclor-1260	17.12	21.83	4559	1068	164.920	43.553	#
28) L7	Aroclor-1260 {2}	18.10	22.32	3445	2882	67.841	50.427	#
29) L7	Aroclor-1260 {3}	19.21	24.22	2798	1615	75.035	67.507	
Total	Aroclor-1260			10802	5565	307.796	161.488	
Average	Aroclor-1260					102.599	53.829	

$\frac{905 \times 10}{6 \text{ wipes}} = 1.5$

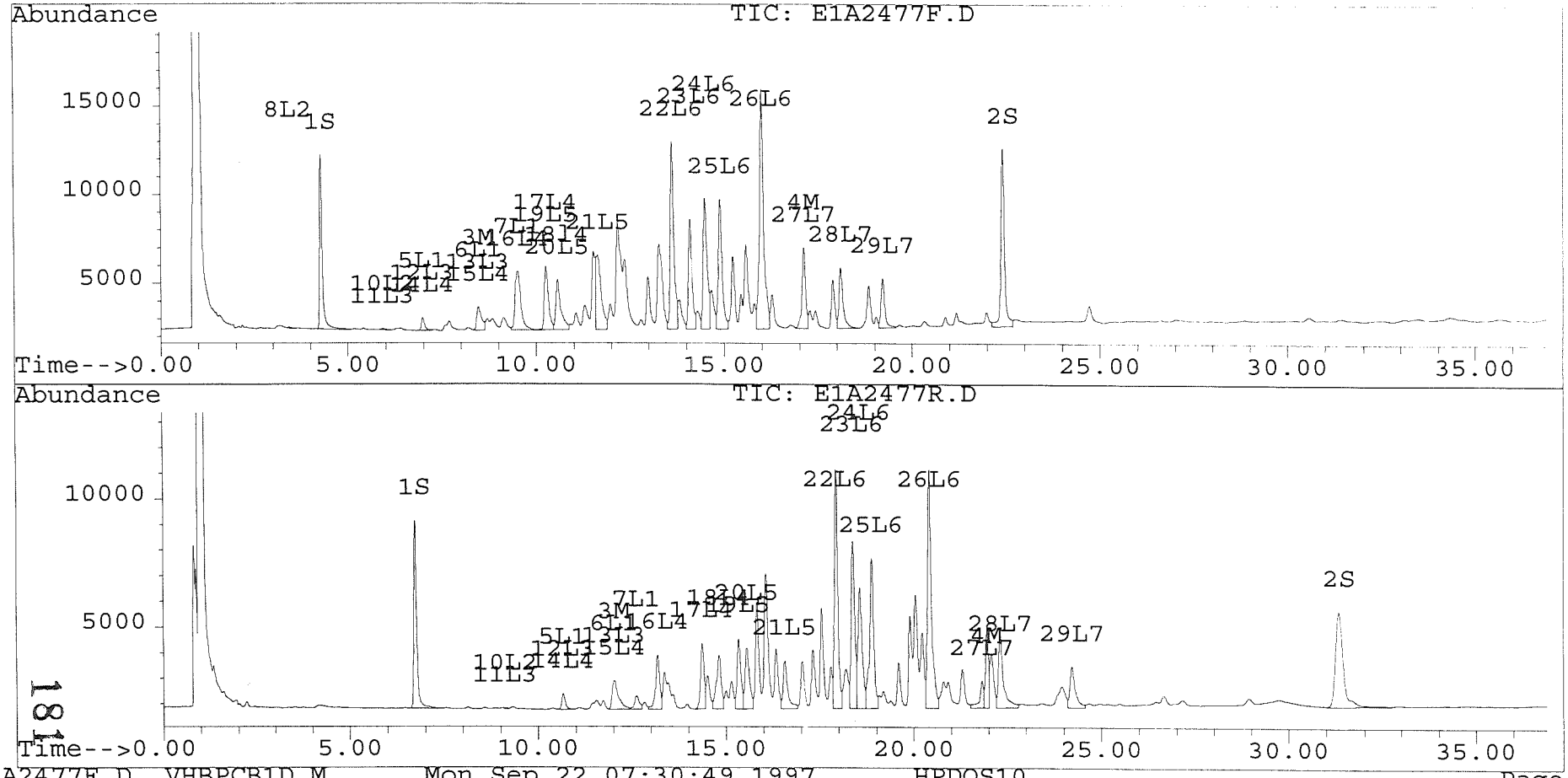
180

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2477F.D Vial: 59
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2477F.D\E1A2477R.D
Acq On : 21 Sep 97 09:10 AM Operator: JS
Sample : D1422-36,SG-17,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2478F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2478F.D\E1A2478R.D
Acq On : 21 Sep 97 09:50 AM Operator: JS
Sample : D1422-37,SG-18,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	14149	9930	66.364	49.501	#
					Recovery	=	165.91%	123.75%	
2)	S	Decachlorobiphenyl	22.42	31.32	13606	5138	55.691	43.027	
					Recovery	=	139.23%	107.57%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.44	12.02	3375	2823	47.262	39.756	
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	7762	5226	49.613	33.243	#
5)	L1	Aroclor-1016	6.97	10.65	1933	1559	70.864	58.480	
6)	L1	Aroclor-1016 {2}	8.44	12.02	3375	2823	88.902	97.807	
7)	L1	Aroclor-1016 {3}	9.49	12.60	9317	1394	431.423	101.538	#
	Total	Aroclor-1016			14625	5777	591.189	257.824	
	Average	Aroclor-1016					197.063	85.941	
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	9.12	82	55	4.717	3.775	
	Total	Aroclor-1221			82	55	4.717	3.775	
	Average	Aroclor-1221					4.717	3.775	
11)	L3	Aroclor-1232	5.88	9.12	82	55	6.112	4.689	
12)	L3	Aroclor-1232 {2}	6.97	10.65	1933	1559	158.963	125.490	
13)	L3	Aroclor-1232 {3}	8.44	12.02	3375	2823	209.496	231.459	
	Total	Aroclor-1232			5390	4438	374.571	361.639	
	Average	Aroclor-1232					124.857	120.546	
14)	L4	Aroclor-1242	6.97	10.65	1933	1559	52.758	43.314	
15)	L4	Aroclor-1242 {2}	8.44	12.02	3375	2823	76.333	73.018	
16)	L4	Aroclor-1242 {3}	9.49	13.18	9317	5972	327.708	274.889	
17)	L4	Aroclor-1242 (4)	10.24	14.36	10811	7585	444.089	331.274	#
18)	L4	Aroclor-1242 (5)	10.55	14.80	8061	6047	405.707	434.391	
	Total	Aroclor-1242			33497	23986	1306.595	1156.886	
	Average	Aroclor-1242					261.319	231.377	
19)	L5	Aroclor-1248	10.24	15.32	10811	6118	460.484	312.354	#

182

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2478F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2478F.D\E1A2478R.D
Acq On : 21 Sep 97 09:50 AM Operator: JS
Sample : D1422-37,SG-18,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	8061	5690	414.098	286.038 #
21) L5	Aroclor-1248 (3)	0.00	16.56	0	4246	N.D.	278.123 #
Total	Aroclor-1248			18872	16053	874.582	876.514
Average	Aroclor-1248					437.291	292.171
22) L6	Aroclor-1254	13.60	17.93	20706	17916	353.347	271.870
23) L6	Aroclor-1254 (2)	14.08	18.37	11390	10991	375.158	311.170
24) L6	Aroclor-1254 (3)	14.47f	18.55	12477	8201	398.661	287.699 #
25) L6	Aroclor-1254 (4)	14.87	18.87	11478	9221	427.554	321.329
26) L6	Aroclor-1254 (5)	15.99	20.42	22075	15424	456.490	346.674
Total	Aroclor-1254			78126	61753	2011.210	1538.742
Average	Aroclor-1254					402.242	307.748
27) L7	Aroclor-1260	17.11	21.82	7762	1691	280.823	68.913 #
28) L7	Aroclor-1260 (2)	18.09	22.31	5125	4264	100.924	74.596 #
29) L7	Aroclor-1260 (3)	19.20	24.21	4143	2517	111.111	105.231
Total	Aroclor-1260			17031	8471	492.858	248.739
Average	Aroclor-1260					164.286	82.913

$\frac{1539 \times 10}{6 \text{ wipes}} = 2.6$

183

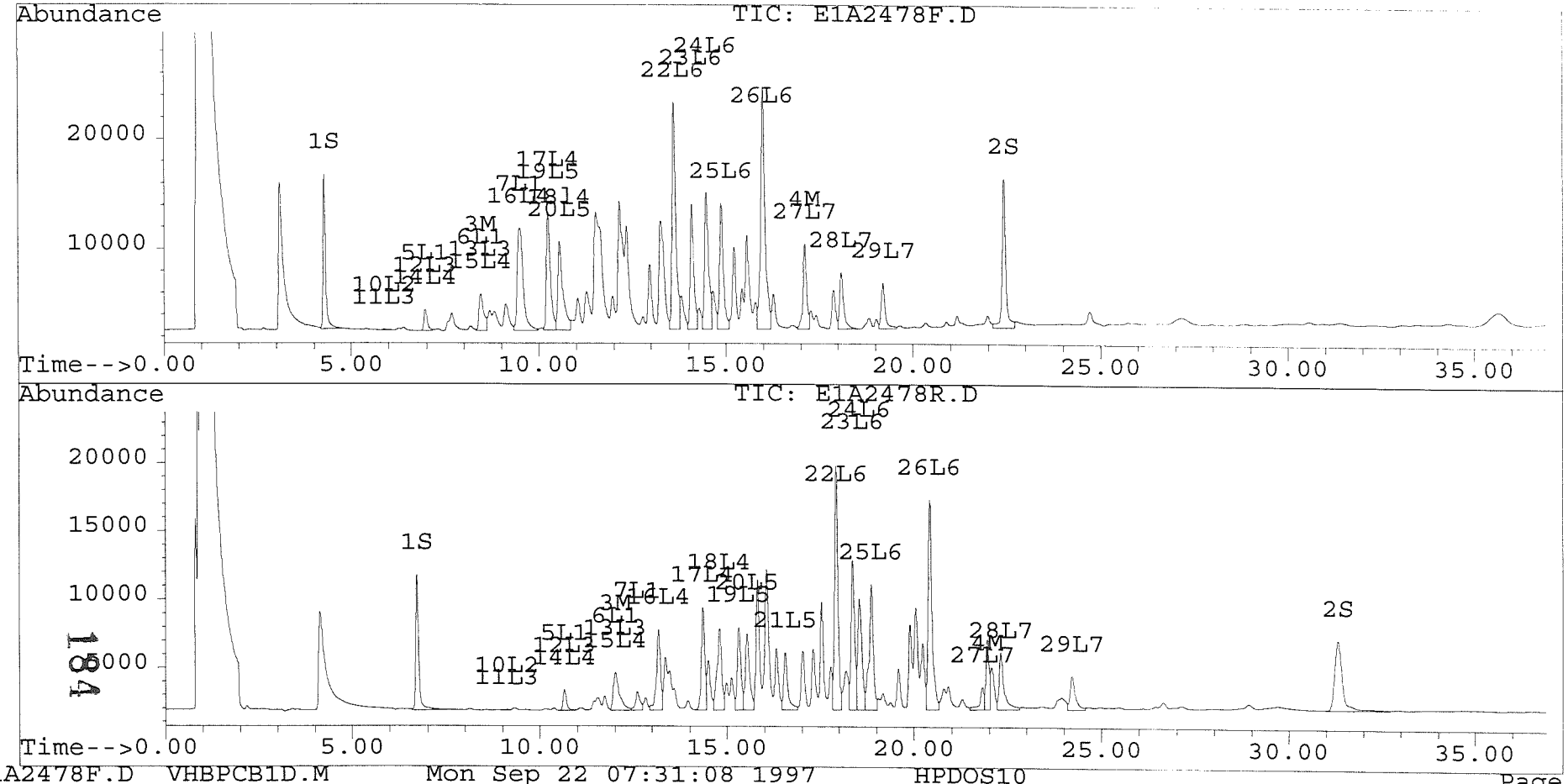
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2478F.D Vial: 60
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2478F.D\E1A2478R.D
Acq On : 21 Sep 97 09:50 AM Operator: JS
Sample : D1422-37,SG-18,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:30 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2516F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2516F.D\E1A2516R.D
Acq On : 22 Sep 97 01:19 PM Operator: JS
Sample : D1422-38,SG-19,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xylen	4.28	6.72	7603	6927	35.662	34.529
					Recovery	=	89.16%	86.32%
2)	S	Decachlorobiphenyl	22.43	31.32	6487	2917	26.551m	24.428m
					Recovery	=	66.38%	61.07%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.47	12.02	319	355	4.460	5.000
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	1481	1419	9.466	9.026
5)	L1	Aroclor-1016	6.99	10.65	150	181	5.516	6.799
6)	L1	Aroclor-1016 (2)	8.47	12.02	319	355	8.390	12.302 #
7)	L1	Aroclor-1016 (3)	9.50	12.59	1050	120	48.609	8.717 #
	Total	Aroclor-1016			1519	656	62.516	27.818
Average		Aroclor-1016					20.839	9.273
8)	L2	Aroclor-1221	3.44	0.00	67	0	7.939	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			67	0	7.939	N.D.
Average		Aroclor-1221					7.939	0.000
11)	L3	Aroclor-1232	5.94f	0.00	27	0	2.012	N.D. #
12)	L3	Aroclor-1232 (2)	6.99	10.65	150	181	12.374	14.589
13)	L3	Aroclor-1232 (3)	8.47	12.02	319	355	19.770	29.112 #
	Total	Aroclor-1232			496	536	34.156	43.701
Average		Aroclor-1232					11.385	21.850
14)	L4	Aroclor-1242	6.99	10.65	150	181	4.107	5.036
15)	L4	Aroclor-1242 (2)	8.47	12.02	319	355	7.204	9.184 #
16)	L4	Aroclor-1242 (3)	9.50	13.18	1050	865	36.924	39.831
17)	L4	Aroclor-1242 (4)	10.26	14.36	1086	995	44.611	43.441
18)	L4	Aroclor-1242 (5)	10.57	14.81	758	749	38.164	53.814 #
	Total	Aroclor-1242			3363	3145	131.009	151.305
Average		Aroclor-1242					26.202	30.261
19)	L5	Aroclor-1248	10.26	15.33	1086	825	46.258	42.096

185

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2516F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2516F.D\E1A2516R.D
Acq On : 22 Sep 97 01:19 PM Operator: JS
Sample : D1422-38,SG-19,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	758	706	38.954	35.476
21) L5 Aroclor-1248 {3}	0.00	16.56	0	571	N.D.	37.408 #
Total Aroclor-1248			1844	2101	85.212	114.980
Average Aroclor-1248					42.606	38.327
22) L6 Aroclor-1254	13.62	17.93	3007	3380	51.321	51.292
23) L6 Aroclor-1254 {2}	14.10	18.37	1842	2098	60.661	59.401
24) L6 Aroclor-1254 {3}	14.49	18.56	1793	1865	57.284	65.415
25) L6 Aroclor-1254 (4)	14.89	18.88	1990	2080	74.145	72.466
26) L6 Aroclor-1254 (5)	16.00	20.42	3594	3286	74.323	73.868
Total Aroclor-1254			12226	12709	317.733	322.442
Average Aroclor-1254					63.547	64.488
27) L7 Aroclor-1260	17.12	21.82	1481	489	53.578	19.943 #
28) L7 Aroclor-1260 {2}	18.10	22.31	880	1059	17.326	18.532
29) L7 Aroclor-1260 {3}	19.22	24.21	714	639	19.156	26.708 #
Total Aroclor-1260			3075	2187	90.060	65.183
Average Aroclor-1260					30.020	21.728

AR1254

$\frac{317.733\ ng/mL \times 10\ mL}{6\ wipes} = 0.53\ \mu g$

186

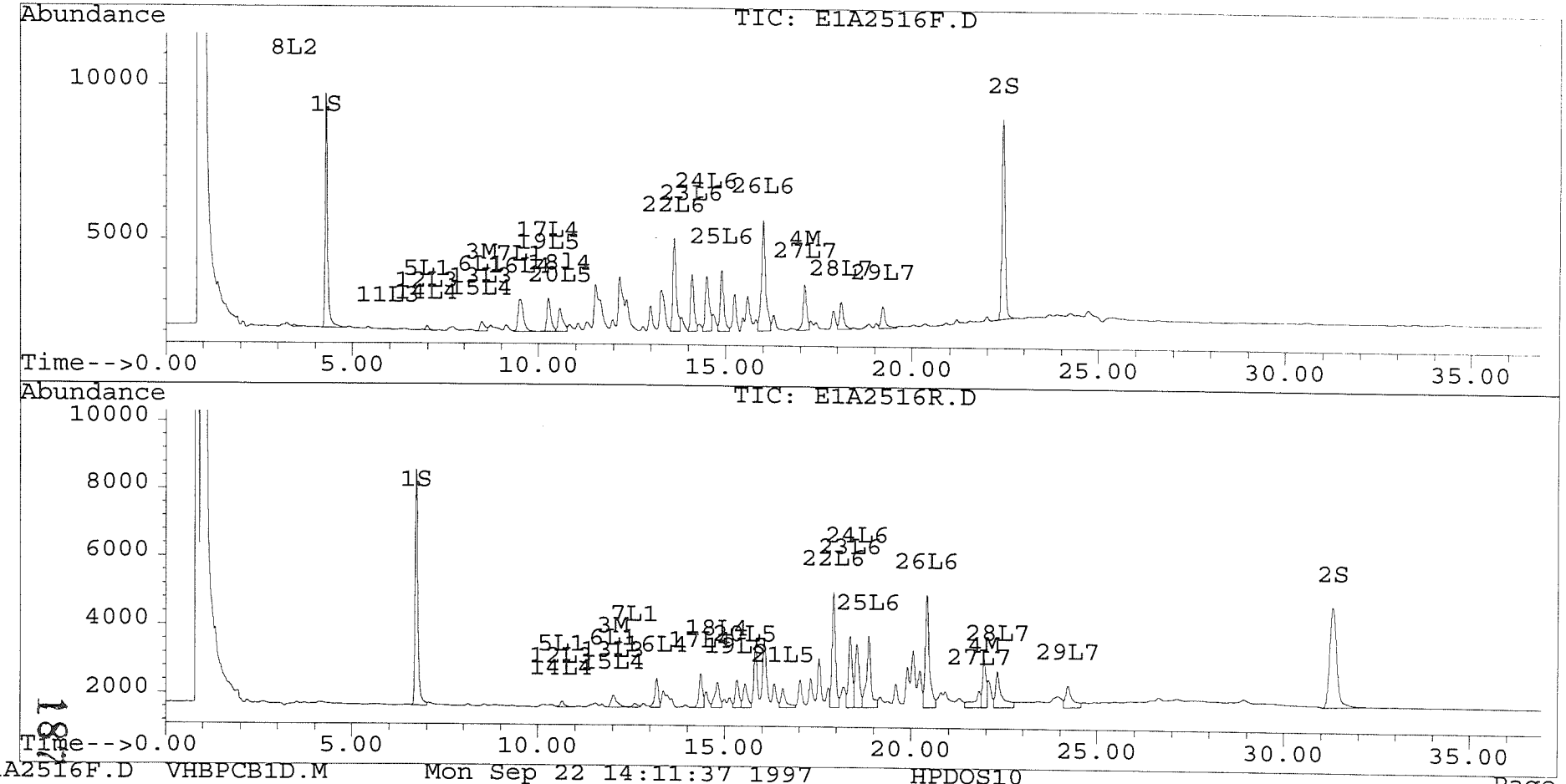
9/22/97

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

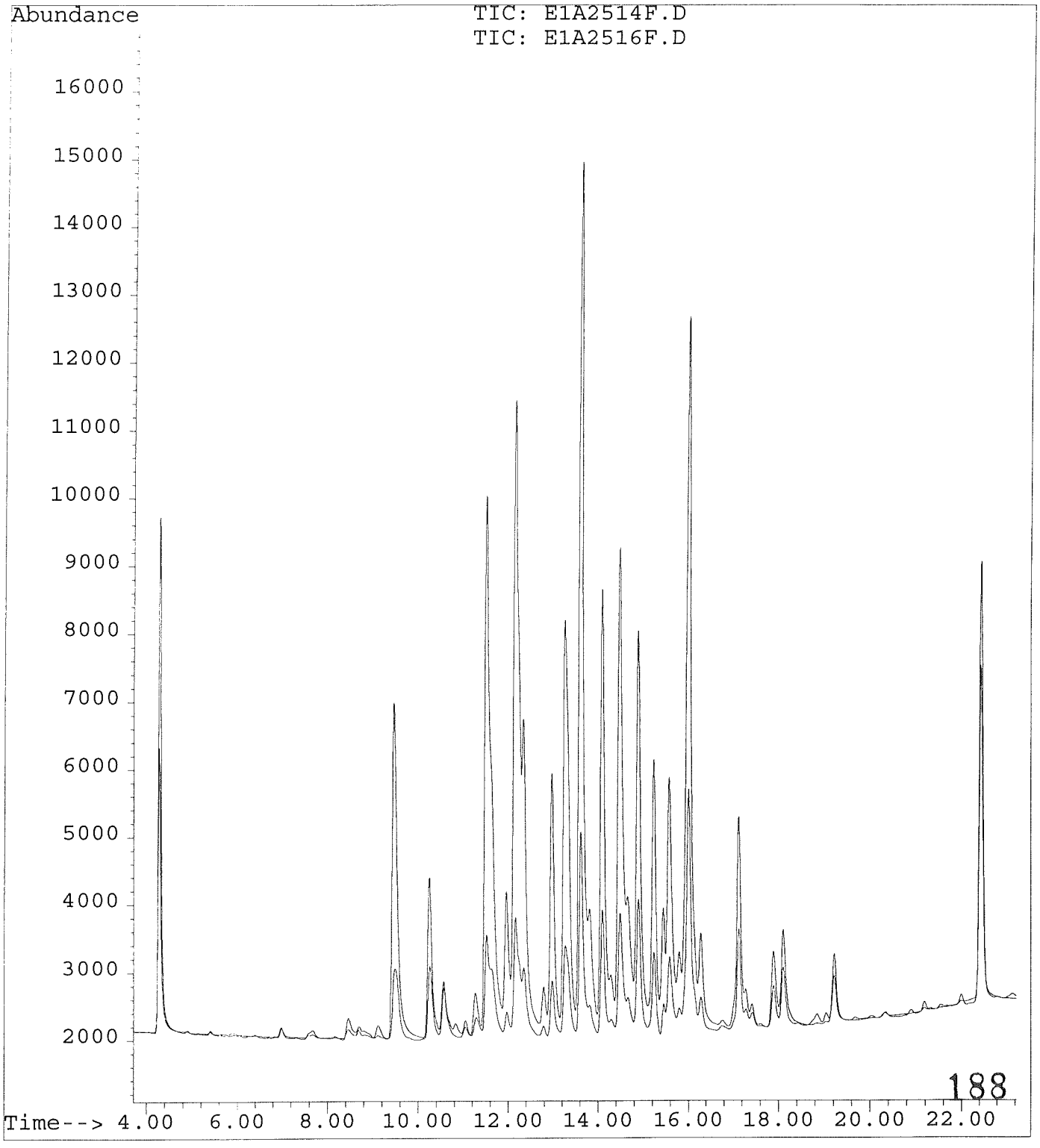
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2516F.D Vial: 66
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2516F.D\E1A2516R.D
Acq On : 22 Sep 97 01:19 PM Operator: JS
Sample : D1422-38,SG-19,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:10 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2514F.D
Operator : JS
Acquired : 22 Sep 97 11:53 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DI,AR1254DI,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 64



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D\E1A2517R.D
Acq On : 22 Sep 97 02:00 PM Operator: JS
Sample : D1422-39,SG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	6923	6394	32.472	31.874
					Recovery	=	81.18%	79.68%
2)	S	Decachlorobiphenyl	22.43	31.32	6061	2766	24.811m	23.164
					Recovery	=	62.03%	57.91%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.47	12.02	139	177	1.948	2.499 #
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	379	365	2.422	2.320
5)	L1	Aroclor-1016	6.98	10.66	140	154	5.124	5.779
6)	L1	Aroclor-1016 {2}	8.47	12.02	139	177	3.664	6.148 #
7)	L1	Aroclor-1016 {3}	9.50	12.61	552	91	25.577	6.642 #
	Total	Aroclor-1016			831	423	34.365	18.569
Average		Aroclor-1016					11.455	6.190
8)	L2	Aroclor-1221	3.43	0.00	84	0	9.898	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			84	0	9.898	N.D.
Average		Aroclor-1221					9.898	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	140	154	11.494	12.401
13)	L3	Aroclor-1232 {3}	8.47	12.02	139	177	8.634	14.549 #
	Total	Aroclor-1232			279	332	20.129	26.950
Average		Aroclor-1232					10.064	13.475
14)	L4	Aroclor-1242	6.98	10.66	140	154	3.815	4.280
15)	L4	Aroclor-1242 {2}	8.47	12.02	139	177	3.146	4.590 #
16)	L4	Aroclor-1242 {3}	9.50	13.19	552	468	19.428	21.538
17)	L4	Aroclor-1242 (4)	10.26	14.37	556	597	22.821	26.081
18)	L4	Aroclor-1242 (5)	10.57	14.82	390	386	19.632	27.707 #
	Total	Aroclor-1242			1777	1782	68.842	84.196
Average		Aroclor-1242					13.768	16.839
19)	L5	Aroclor-1248	10.26	15.34	556	412	23.663	21.042

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D\E1A2517R.D
Acq On : 22 Sep 97 02:00 PM Operator: JS
Sample : D1422-39,SG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	390	350	20.039	17.604	
21) L5	Aroclor-1248 {3}	11.64	16.56	468	292	20.147	19.105	
Total	Aroclor-1248			1413	1054	63.849	57.752	
Average	Aroclor-1248					21.283	19.251	
22) L6	Aroclor-1254	13.62	17.94	1077	1258	18.374	19.083	
23) L6	Aroclor-1254 {2}	14.10	18.38	624	826	20.566	23.394	
24) L6	Aroclor-1254 {3}	14.50	18.56	654	653	20.897	22.890	
25) L6	Aroclor-1254 (4)	14.89	18.88	672	671	25.014	23.396	
26) L6	Aroclor-1254 (5)	16.01	20.43	1082	1020	22.379	22.937	
Total	Aroclor-1254			4109	4428	107.229	111.700	
Average	Aroclor-1254					21.446	22.340	
27) L7	Aroclor-1260	17.12	21.83	379	144	13.708	5.865	#
28) L7	Aroclor-1260 {2}	18.10	22.32	218	315	4.284	5.506	#
29) L7	Aroclor-1260 {3}	19.22	24.22	177	192	4.750	8.032	#
Total	Aroclor-1260			774	651	22.742	19.404	
Average	Aroclor-1260					7.581	6.468	

$\frac{107.229\ \mu g/mL \times 10mL}{6\ vials} = 0.18\ \mu g$

190

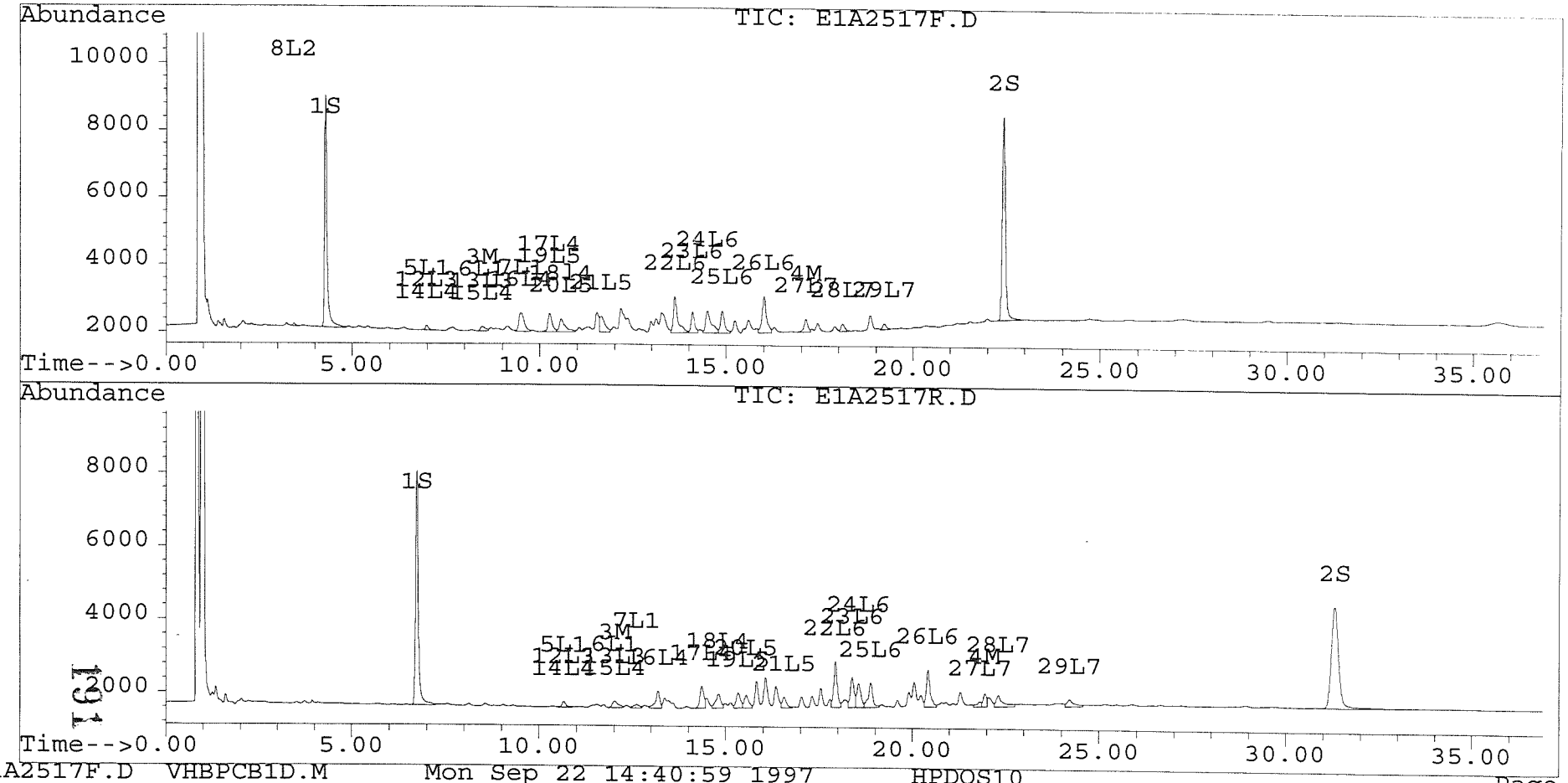
9/22/97

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

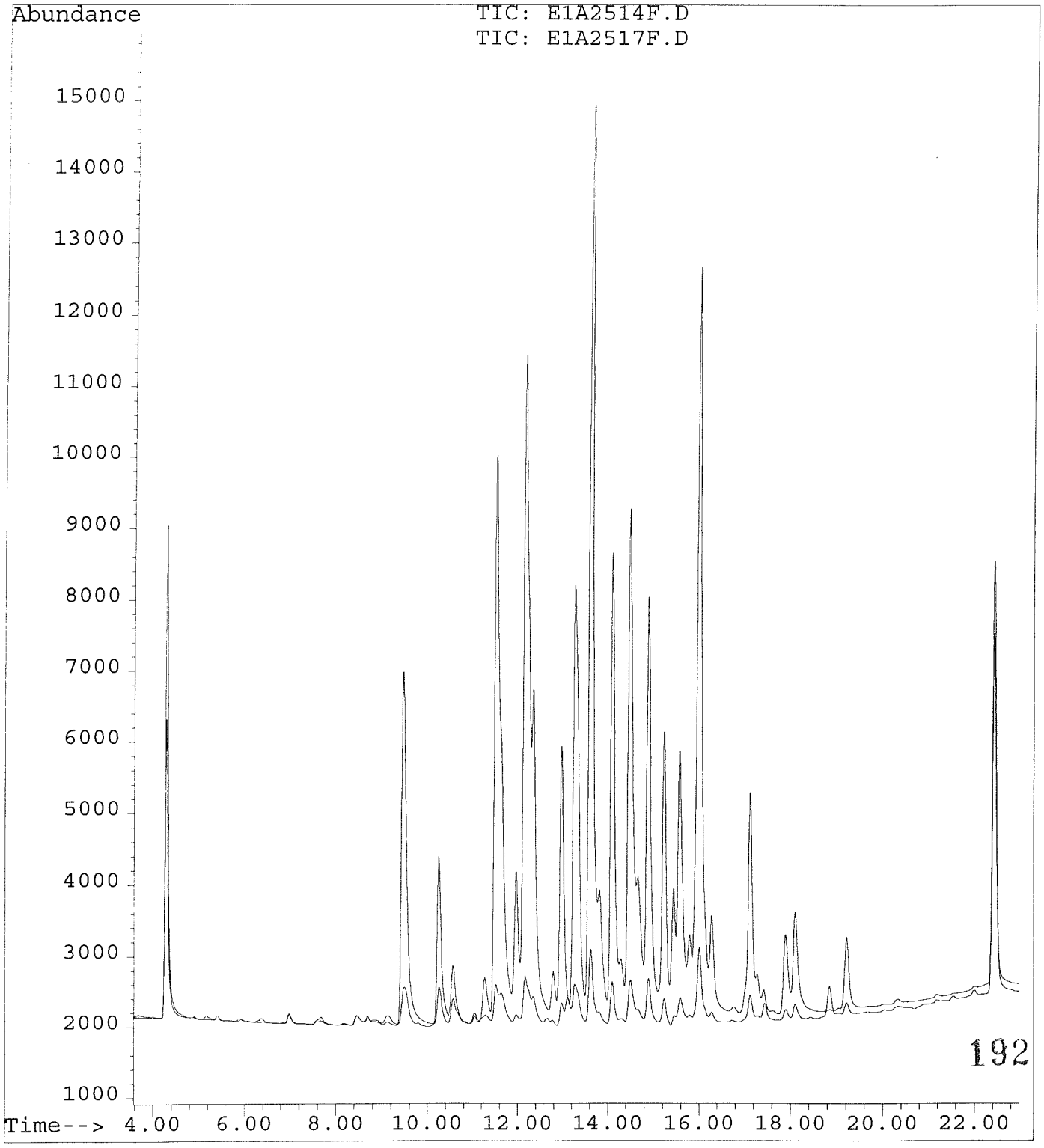
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D Vial: 67
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2517F.D\E1A2517R.D
Acq On : 22 Sep 97 02:00 PM Operator: JS
Sample : D1422-39,SG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 14:40 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2514F.D
Operator : JS
Acquired : 22 Sep 97 11:53 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DI,AR1254DI,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 64



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D\E1A2518R.D
Acq On : 22 Sep 97 02:41 PM Operator: JS
Sample : D1422-40,SBSG,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7386	7021	34.643	35.001
				Recovery	=	86.61%	87.50%
2) S	Decachlorobiphenyl	22.43	31.32	6591	3005	26.978m	25.168
				Recovery	=	67.44%	62.92%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.49f	12.06	35	51	0.490	0.714 #
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	289	208	1.848	1.321 #
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	8.49	12.06	35	51	0.923	1.757 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			35	51	0.923	1.757
Average	Aroclor-1016					0.923	1.757
8) L2	Aroclor-1221	3.43	0.00	76	0	8.912	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			76	0	8.912	N.D.
Average	Aroclor-1221					8.912	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.49	12.06	35	51	2.174	4.158 #
Total	Aroclor-1232			35	51	2.174	4.158
Average	Aroclor-1232					2.174	4.158
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	8.49	12.06	35	51	0.792	1.312 #
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	25	0	1.249	N.D. #
Total	Aroclor-1242			60	51	2.041	1.312
Average	Aroclor-1242					1.020	1.312
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D\E1A2518R.D
Acq On : 22 Sep 97 02:41 PM Operator: JS
Sample : D1422-40,SBSG,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	25	0	1.274	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			25	0	1.274	N.D.
Average Aroclor-1248					1.274	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)	14.91	0.00	126	0	4.684	N.D. #
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			126	0	4.684	N.D.
Average Aroclor-1254					4.684	0.000
27) L7 Aroclor-1260	17.12	0.00	289	0	10.460	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			289	0	10.460	N.D.
Average Aroclor-1260					10.460	0.000

194

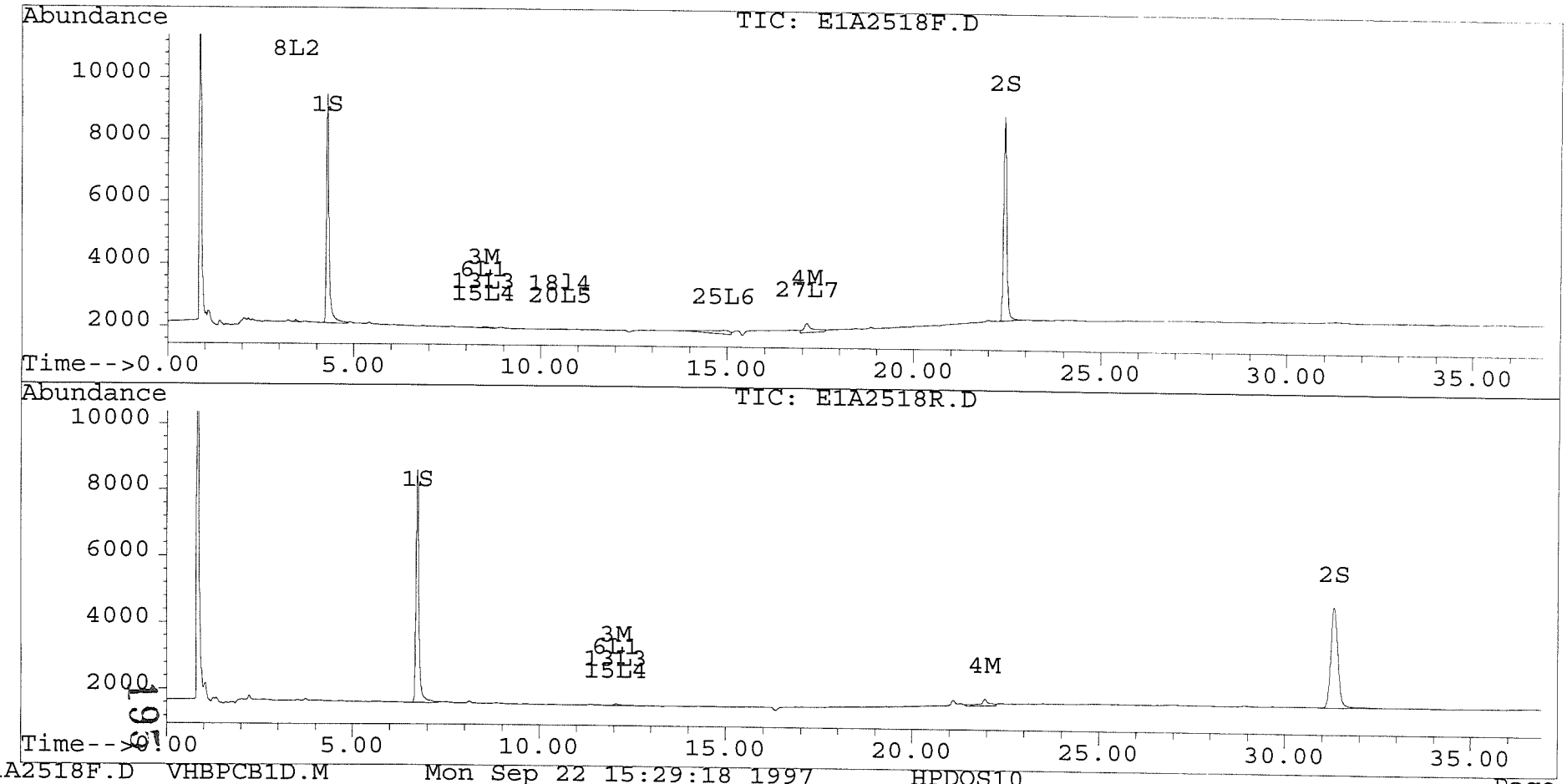
9/22/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D Vial: 68
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2518F.D\E1A2518R.D
Acq On : 22 Sep 97 02:41 PM Operator: JS
Sample : D1422-40,SBSG,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 15:28 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2455F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2455F.D\E1A2455R.D
Acq On : 20 Sep 97 06:18 PM Operator: JS
Sample : P0915-B3,PBLK06,P0915-B3 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8528	7834	40.002	39.053
				Recovery	=	100.01%	97.63%
2) S	Decachlorobiphenyl	22.44	31.32	7265	3421	29.737	28.653
				Recovery	=	74.34%	71.63%
	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	21.98	27	62	0.174	0.396 #
5) L1	Aroclor-1016	0.00	10.63	0	71	N.D.	2.673 #
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	71	N.D.	2.673
Average	Aroclor-1016					0.000	2.673
8) L2	Aroclor-1221	3.43	0.00	44	0	5.202	N.D. #
9) L2	Aroclor-1221 {2}	5.31	0.00	27	0	4.170	N.D. #
10) L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			71	0	9.371	N.D.
Average	Aroclor-1221					4.686	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	10.63	0	71	N.D.	5.735 #
13) L3	Aroclor-1232 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1232			0	71	N.D.	5.735
Average	Aroclor-1232					0.000	5.735
14) L4	Aroclor-1242	0.00	10.63	0	71	N.D.	1.980 #
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)	10.28	14.36	17	18	0.705	0.769
18) L4	Aroclor-1242 (5)	10.53f	0.00	40	0	1.998	N.D. #
Total	Aroclor-1242			57	89	2.703	2.749
Average	Aroclor-1242					1.351	1.374
19) L5	Aroclor-1248	10.28	0.00	17	0	0.731	N.D. #

196

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2455F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2455F.D\E1A2455R.D
Acq On : 20 Sep 97 06:18 PM Operator: JS
Sample : P0915-B3,PBLK06,P0915-B3 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	40	0	2.039	N.D. #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			57	0	2.770	N.D.
Average	Aroclor-1248					1.385	0.000
22) L6	Aroclor-1254	0.00	17.95	0	42	N.D.	0.632 #
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)	14.92	0.00	35	0	1.285	N.D. #
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			35	42	1.285	0.632
Average	Aroclor-1254					1.285	0.632
27) L7	Aroclor-1260	17.11	0.00	27	0	0.985	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			27	0	0.985	N.D.
Average	Aroclor-1260					0.985	0.000

KC

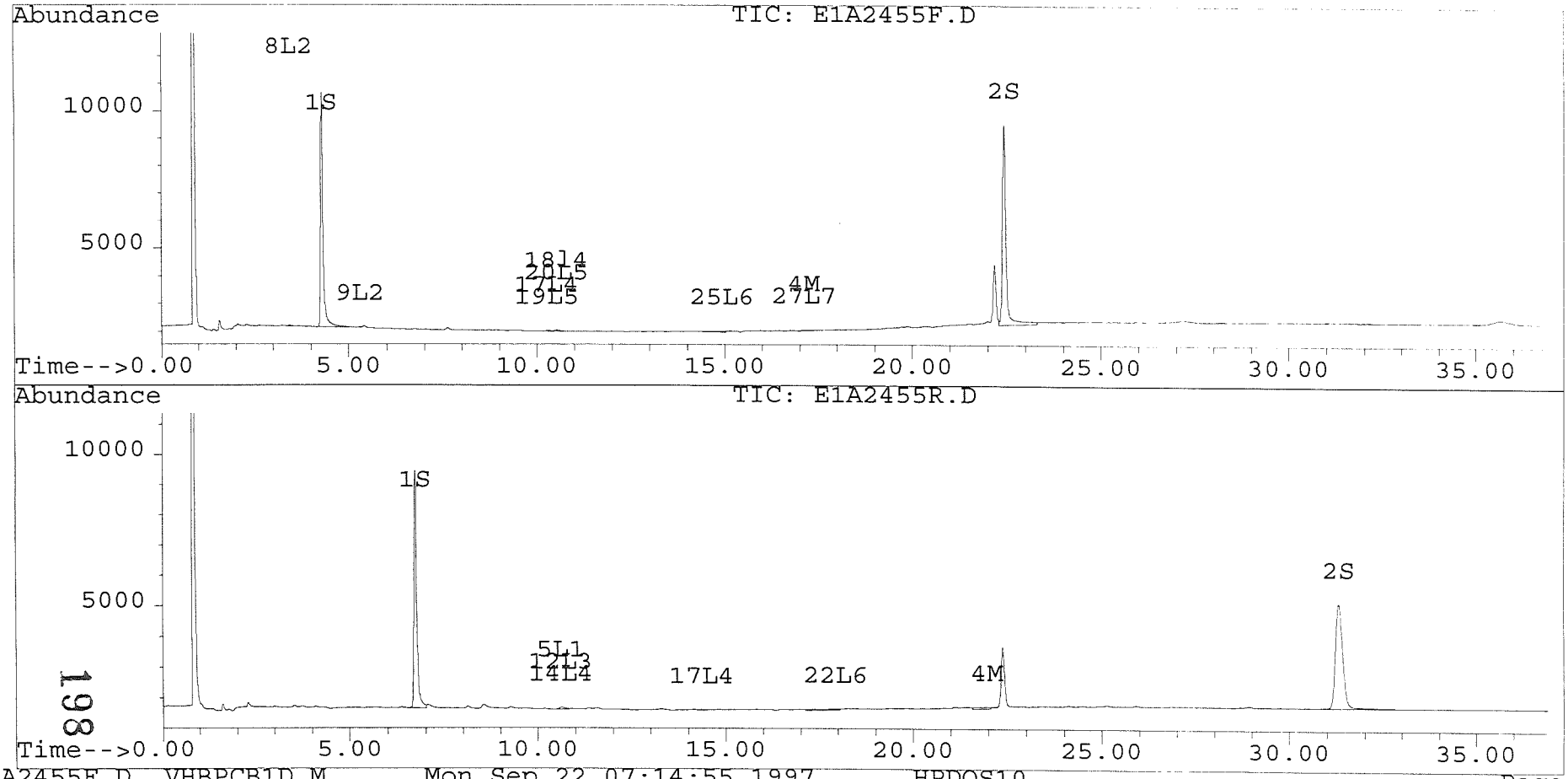
197

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2455F.D Vial: 37
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2455F.D\E1A2455R.D
Acq On : 20 Sep 97 06:18 PM Operator: JS
Sample : P0915-B3,PBLK06,P0915-B3 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:14 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



198

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D\E1A2456R.D
Acq On : 20 Sep 97 06:59 PM Operator: JS
Sample : P0915-LCS3,PLCS06,P0915-B3 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7306	7072	34.268	35.254
					Recovery	=	85.67%	88.13%
2)	S	Decachlorobiphenyl	22.44	31.33	6757	3220	27.658	26.971
					Recovery	=	69.15%	67.43%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.42	12.02	71810	74978	1005.538	1055.747
4)	M	2,2',3,3',4,4'-Hexa	17.11	21.95	163014	158090	1041.886	1005.618
5)	L1	Aroclor-1016	0.00	10.62	0	75	N.D.	2.825 #
6)	L1	Aroclor-1016 {2}	8.42f	12.02	71810	74978	1891.481	2597.310
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1016			71810	75053	1891.481	2600.135
		Average Aroclor-1016					1891.481	1300.067
8)	L2	Aroclor-1221	3.43	0.00	95	0	11.184	N.D. #
9)	L2	Aroclor-1221 {2}	5.28	8.33	105	94	16.182	15.377
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1221			200	94	27.366	15.377
		Average Aroclor-1221					13.683	15.377
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	7.03f	10.62f	28	75	2.339	6.061 #
13)	L3	Aroclor-1232 {3}	8.42f	12.02	71810	74978	4457.241	6146.530
		Total Aroclor-1232			71839	75053	4459.580	6152.592
		Average Aroclor-1232					2229.790	3076.296
14)	L4	Aroclor-1242	0.00	10.62	0	75	N.D.	2.092 #
15)	L4	Aroclor-1242 {2}	8.42f	12.02	71810	74978	1624.058	1939.041
16)	L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17)	L4	Aroclor-1242 (4)	10.26	0.00	139	0	5.721	N.D. #
18)	L4	Aroclor-1242 (5)	10.52f	0.00	109	0	5.496	N.D. #
		Total Aroclor-1242			72059	75053	1635.274	1941.133
		Average Aroclor-1242					545.091	970.567
19)	L5	Aroclor-1248	10.26	0.00	139	0	5.932	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2456F.D VHBPCB1D.M Mon Sep 22 07:15:18 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D\E1A2456R.D
Acq On : 20 Sep 97 06:59 PM Operator: JS
Sample : P0915-LCS3,PLCS06,P0915-B3 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	109	27	5.609	1.358 #
21) L5 Aroclor-1248 {3}	0.00	16.57	0	26	N.D.	1.736 #
Total Aroclor-1248			248	53	11.542	3.093
Average Aroclor-1248					5.771	1.547
22) L6 Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6 Aroclor-1254 {2}	14.10	0.00	425	0	13.988	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			425	0	13.988	N.D.
Average Aroclor-1254					13.988	0.000
27) L7 Aroclor-1260	17.11	0.00	163014	0	5897.343	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			163014	0	5897.343	N.D.
Average Aroclor-1260					5897.343	0.000

K

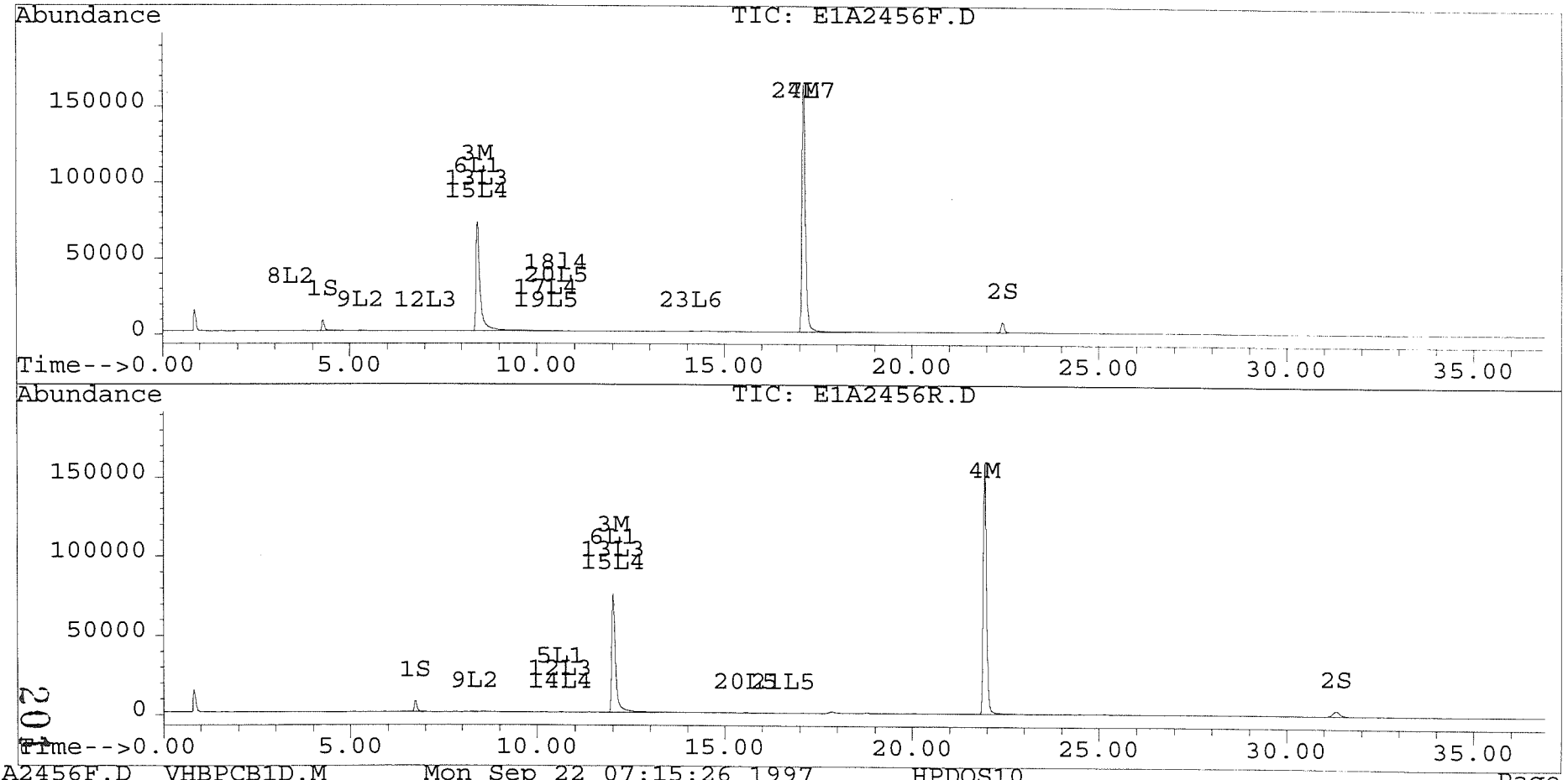
200

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D Vial: 38
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2456F.D\E1A2456R.D
Acq On : 20 Sep 97 06:59 PM Operator: JS
Sample : P0915-LCS3,PLCS06,P0915-B3 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



GPC Batch Number
Florisil Lot #

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

DATE 9-15-17 | Analysis PCB | Sample Matrix Wipe | Project# : D1422

Blank ID P0915-B2 P0915-B3 | Method Shaker | Analyst PB Spiker PB Wit | Client : VALS.

Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.		Florisil Date/An.		Final Conc Date/An.		Final Extr. Volum.	Cu/Acid Date/An.		Date Extr. Tran.	Comments
PD1422-15		1wipe	PW170911A 2mL	—	P	N	N	N	9/16	AC,PB AR,MO	10.0 ml	9/16	AR,AC MC,PB	9/17	
-16															
-17															
-18*															
-19		↓													
-20		6wipes													
P0915-BB		1wipe		↓											*po double Spike.
-B3		↓		PW170725A 400µL											
PD1422-21		6wipes													
-22															
-23															
-24															
-25															
-26															
-27															
-28		↓	↓	↓											

GPC Batch Number
Florisil Lot #

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

DATE 9-15-97 | Analysis PCB | Sample Matrix wipe | Project# : D1422

Blank ID PQ915-B3, PQ915-B4 | Method Shaker | Analyst PB | Spiker PB | Wit | Client :

Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.		Florisil Date/An.		Final Conc Date/An.		Final Extr. Volum.	Cu/Acid Date/An.		Date Extr. Tran.	Comments
PD1422-29		6 wipes	PW970910A 2mL	—	N	N	N	N	9/15	AC, Hex PB, Hex	10.0 mL 1	9/16	AC, Hex AR, PB	9/17	
-30															
-31															
-32															
-33															
-34															
-35*															
-36															
-37															
-38															
-39															
-40		1 wipe													
PQ915-B4															
-LCS4				PW970725A 400mL											
-LCS5															
PD1422-41		6 wipes		—											

GPC Batch Number
Florisil Lot #

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

DATE 9-15-97 | Analysis PCB | Sample Matrix Wipe | Project# : D1422

Blank ID P0915-B3, P0915-B4 | Method Shaker | Analyst PB | Spiker PB | Wit | Client :

Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.		Florisil Date/An.		Final Conc Date/An.		Final Extr. Volum.	Cu/Acid Date/An.		Date Extr. Tran.	Comments
PD1422-29		6wipes	PW970810A 2mL	—	N	N	N	N	9/16	AC, ACN PB, HO	10.0 mL	9/16	AC, HO ACN PB	9/17	
-30															
-31															
-32															
-33															
-34															
-35*															
-36															
-37															
-38															
-39															
-40		1wipe													
P0915-B4															
-LCS4				PW970725A 400mL											
-LCS5															
PD1422-41		6wipes		—											

VHB PCB Data

Matrix: Wipe samples

QC Batch: P0915-B4

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D\E1A2519.D
Acq On : 22 Sep 97 03:24 PM Operator: JS
Sample : D1422-41,DSG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 16:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.28	6.72	6674	6181	31.305	30.812
				Recovery	=	78.26%	77.03%
2) S	Decachlorobiphenyl	22.43	31.32	6134	2757	25.106	23.093
				Recovery	=	62.77%	57.73%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.02	157	194	2.196	2.736
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	486	451	3.105	2.868
5) L1	Aroclor-1016	6.98	10.65	145	153	5.323	5.745
6) L1	Aroclor-1016 {2}	8.47	12.02	157	194	4.132	6.732 #
7) L1	Aroclor-1016 {3}	9.49	12.60	609	88	28.188	6.440 #
Total	Aroclor-1016			911	436	37.642	18.916
Average	Aroclor-1016					12.547	6.305
8) L2	Aroclor-1221	3.44	0.00	139	0	16.366	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			139	0	16.366	N.D.
Average	Aroclor-1221					16.366	0.000
11) L3	Aroclor-1232	5.94f	0.00	22	0	1.676	N.D. #
12) L3	Aroclor-1232 {2}	6.98	10.65	145	153	11.941	12.329
13) L3	Aroclor-1232 {3}	8.47	12.02	157	194	9.736	15.930 #
Total	Aroclor-1232			325	348	23.354	28.259
Average	Aroclor-1232					7.785	14.129
14) L4	Aroclor-1242	6.98	10.65	145	153	3.963	4.255
15) L4	Aroclor-1242 {2}	8.47	12.02	157	194	3.548	5.025 #
16) L4	Aroclor-1242 {3}	9.49	13.18	609	518	21.411	23.825
17) L4	Aroclor-1242 (4)	10.26	14.37	621	617	25.501	26.954
18) L4	Aroclor-1242 (5)	10.57	14.81	457	421	22.982	30.254 #
Total	Aroclor-1242			1988	1903	77.405	90.314
Average	Aroclor-1242					15.481	18.063
19) L5	Aroclor-1248	10.26	15.33	621	463	26.442	23.649

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

20f

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D\E1A2519.D
Acq On : 22 Sep 97 03:24 PM Operator: JS
Sample : D1422-41,DSG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 16:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	457	385	23.458	19.347	
21) L5	Aroclor-1248 {3}	11.64	16.56	540	321	23.280	21.040	
Total	Aroclor-1248			1618	1169	73.180	64.036	
Average	Aroclor-1248					24.393	21.345	
22) L6	Aroclor-1254	13.62	17.93	1316	1475	22.450	22.386	
23) L6	Aroclor-1254 {2}	14.10	18.38	789	929	25.973	26.298	
24) L6	Aroclor-1254 {3}	14.50	18.56	794	741	25.356	25.981	
25) L6	Aroclor-1254 (4)	14.89	18.88	825	814	30.737	28.373	
26) L6	Aroclor-1254 (5)	16.00	20.42	1347	1258	27.862	28.281	
Total	Aroclor-1254			5070	5217	132.378	131.319	
Average	Aroclor-1254					26.476	26.264	
27) L7	Aroclor-1260	17.12	21.82	486	176	17.575	7.177	#
28) L7	Aroclor-1260 {2}	18.10	22.31	281	381	5.528	6.659	
29) L7	Aroclor-1260 {3}	19.22	24.21	239	200	6.401	8.353	#
Total	Aroclor-1260			1005	756	29.504	22.189	
Average	Aroclor-1260					9.835	7.396	

$\frac{131 \times 10}{6} = 0.22$ KW

207

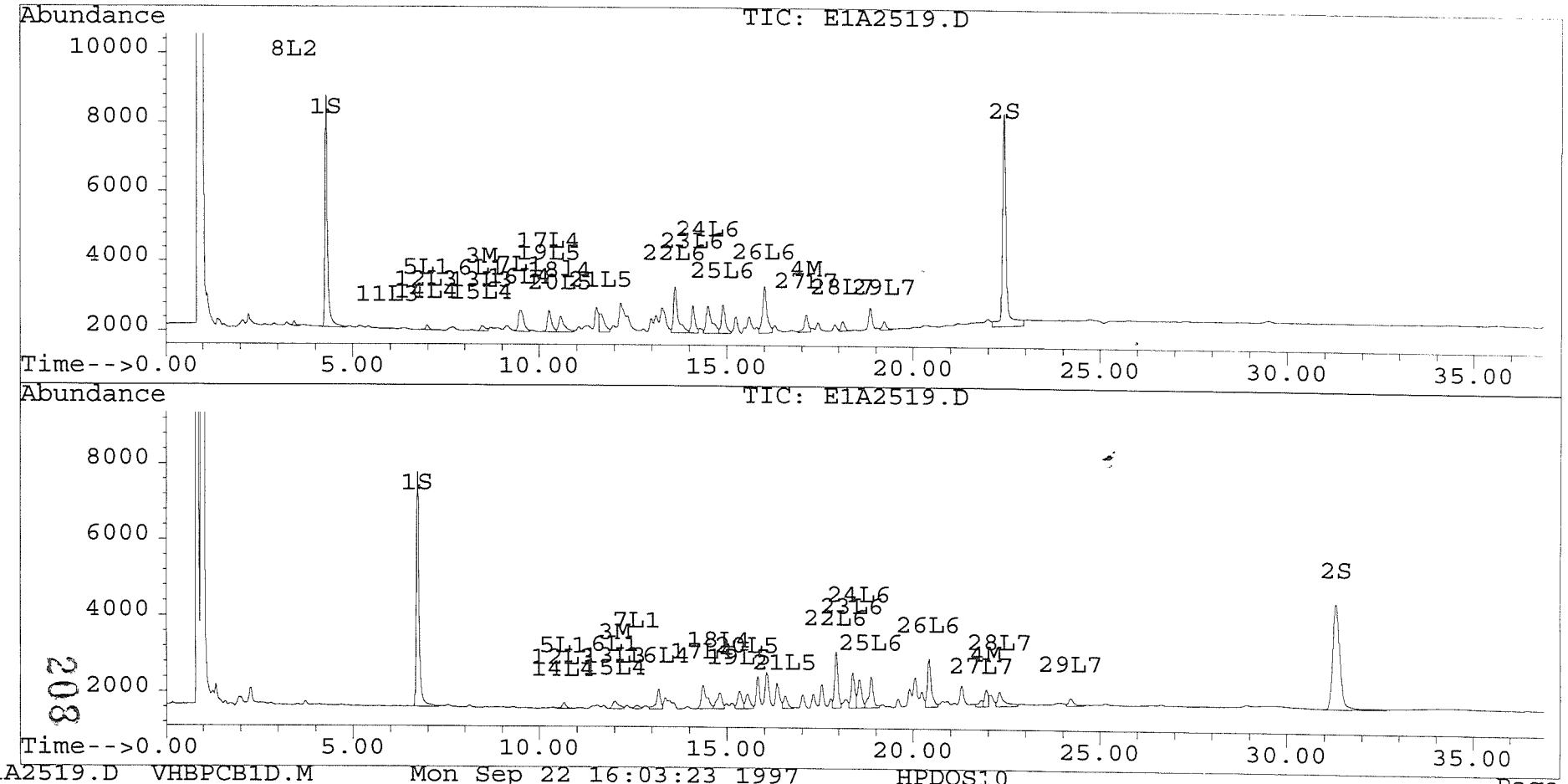
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D Vial: 69
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2519.D\E1A2519.D
Acq On : 22 Sep 97 03:24 PM Operator: JS
Sample : D1422-41,DSG-20,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 16:03 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2520.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2520.D\E1A2520.D
Acq On : 22 Sep 97 04:05 PM Operator: JS
Sample : P0915-B4,PBLK07,P0915-B4 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8557	7900	40.138	39.380
					Recovery	=	100.35%	98.45%
2)	S	Decachlorobiphenyl	22.43	31.32	7440	3379	30.454m	28.296m
					Recovery	=	76.13%	70.74%
		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	21.99	20	80	0.128	0.508 #
5)	L1	Aroclor-1016	0.00	10.62f	0	71	N.D.	2.659 #
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	71	N.D.	2.659
		Average Aroclor-1016					0.000	2.659
8)	L2	Aroclor-1221	3.43	0.00	31	0	3.611	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			31	0	3.611	N.D.
		Average Aroclor-1221					3.611	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 (2)	0.00	10.62f	0	71	N.D.	5.706 #
13)	L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	71	N.D.	5.706
		Average Aroclor-1232					0.000	5.706
14)	L4	Aroclor-1242	0.00	10.62f	0	71	N.D.	1.969 #
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)	10.52f	0.00	37	0	1.845	N.D. #
		Total Aroclor-1242			37	71	1.845	1.969
		Average Aroclor-1242					1.845	1.969
19)	L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2520.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2520.D\E1A2520.D
Acq On : 22 Sep 97 04:05 PM Operator: JS
Sample : P0915-B4,PBLK07,P0915-B4 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	0.00	37	0	1.883	N.D. #
21) L5	Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			37	0	1.883	N.D.
Average	Aroclor-1248					1.883	0.000
22) L6	Aroclor-1254	0.00	17.93	0	10	N.D.	0.159 #
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)	14.91	0.00	102	0	3.781	N.D. #
26) L6	Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1254			102	10	3.781	0.159
Average	Aroclor-1254					3.781	0.159
27) L7	Aroclor-1260	17.11	0.00	20	0	0.723	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			20	0	0.723	N.D.
Average	Aroclor-1260					0.723	0.000

210

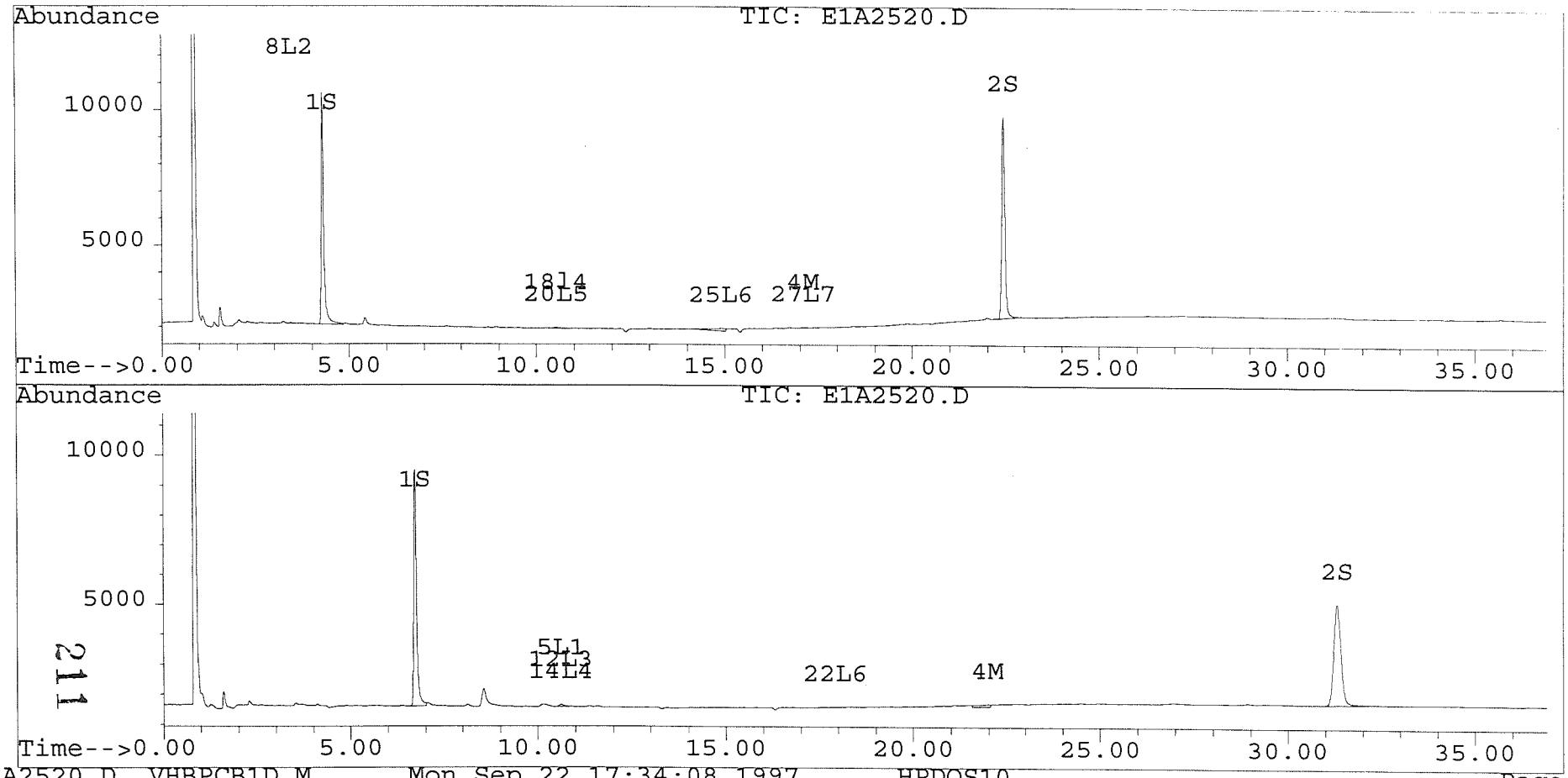
D 9/22/97

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2520.D Vial: 70
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2520.D\E1A2520.D
Acq On : 22 Sep 97 04:05 PM Operator: JS
Sample : P0915-B4,PBLK07,P0915-B4 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:33 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2521F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2521F.D\E1A2521R.D
Acq On : 22 Sep 97 04:45 PM Operator: JS
Sample : P0915-LCS4,PLCS07,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7466	6923	35.018	34.513
					Recovery	=	87.55%	86.28%
2)	S	Decachlorobiphenyl	22.43	31.32	6399	2955	26.191m	24.745
					Recovery	=	65.48%	61.86%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.41	12.01	78248	81477	1095.688	1147.251
4)	M	2,2',3,3',4,4'-Hexa	17.10	21.95	172189	167104	1100.528	1062.954
5)	L1	Aroclor-1016	0.00	10.63	0	64	N.D.	2.398 #
6)	L1	Aroclor-1016 {2}	0.00	12.01	0	81477	N.D.	2822.427 #
7)	L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1016			0	81541	N.D.	2824.825
	Average	Aroclor-1016					0.000	1412.412
8)	L2	Aroclor-1221	0.00	0.00	0	0	N.D.	N.D.
9)	L2	Aroclor-1221 {2}	5.28	8.33	99	96	15.258	15.687
10)	L2	Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1221			99	96	15.258	15.687
	Average	Aroclor-1221					15.258	15.687
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 {2}	0.00	10.63	0	64	N.D.	5.145 #
13)	L3	Aroclor-1232 {3}	0.00	12.01	0	81477	N.D.	6679.269 #
	Total	Aroclor-1232			0	81541	N.D.	6684.414
	Average	Aroclor-1232					0.000	3342.207
14)	L4	Aroclor-1242	0.00	10.63	0	64	N.D.	1.776 #
15)	L4	Aroclor-1242 {2}	8.41f	12.01	78248	81477	1769.659	2107.104
16)	L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17)	L4	Aroclor-1242 (4)	10.24	0.00	154	0	6.314	N.D. #
18)	L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
	Total	Aroclor-1242			78402	81541	1775.973	2108.880
	Average	Aroclor-1242					887.986	1054.440
19)	L5	Aroclor-1248	10.24	0.00	154	0	6.547	N.D. #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2521F.D VHBPCB1D.M Mon Sep 22 17:34:14 1997 HPDOS10 Page 1

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2521F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2521F.D\E1A2521R.D
Acq On : 22 Sep 97 04:45 PM Operator: JS
Sample : P0915-LCS4,PLCS07,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	30	N.D.	1.517 #
21) L5	Aroclor-1248 (3)	11.68	0.00	34	0	1.478	N.D. #
Total	Aroclor-1248			188	30	8.025	1.517
Average	Aroclor-1248					4.012	1.517
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 (2)	14.09	0.00	464	0	15.288	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)	16.01	0.00	81	0	1.681	N.D. #
Total	Aroclor-1254			545	0	16.969	N.D.
Average	Aroclor-1254					8.484	0.000
27) L7	Aroclor-1260	17.10	0.00	172189	0	6229.276	N.D. #
28) L7	Aroclor-1260 (2)	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 (3)	19.23	24.20	105	110	2.811	4.618 #
Total	Aroclor-1260			172294	110	6232.088	4.618
Average	Aroclor-1260					3116.044	4.618

213

JD 9/23/96

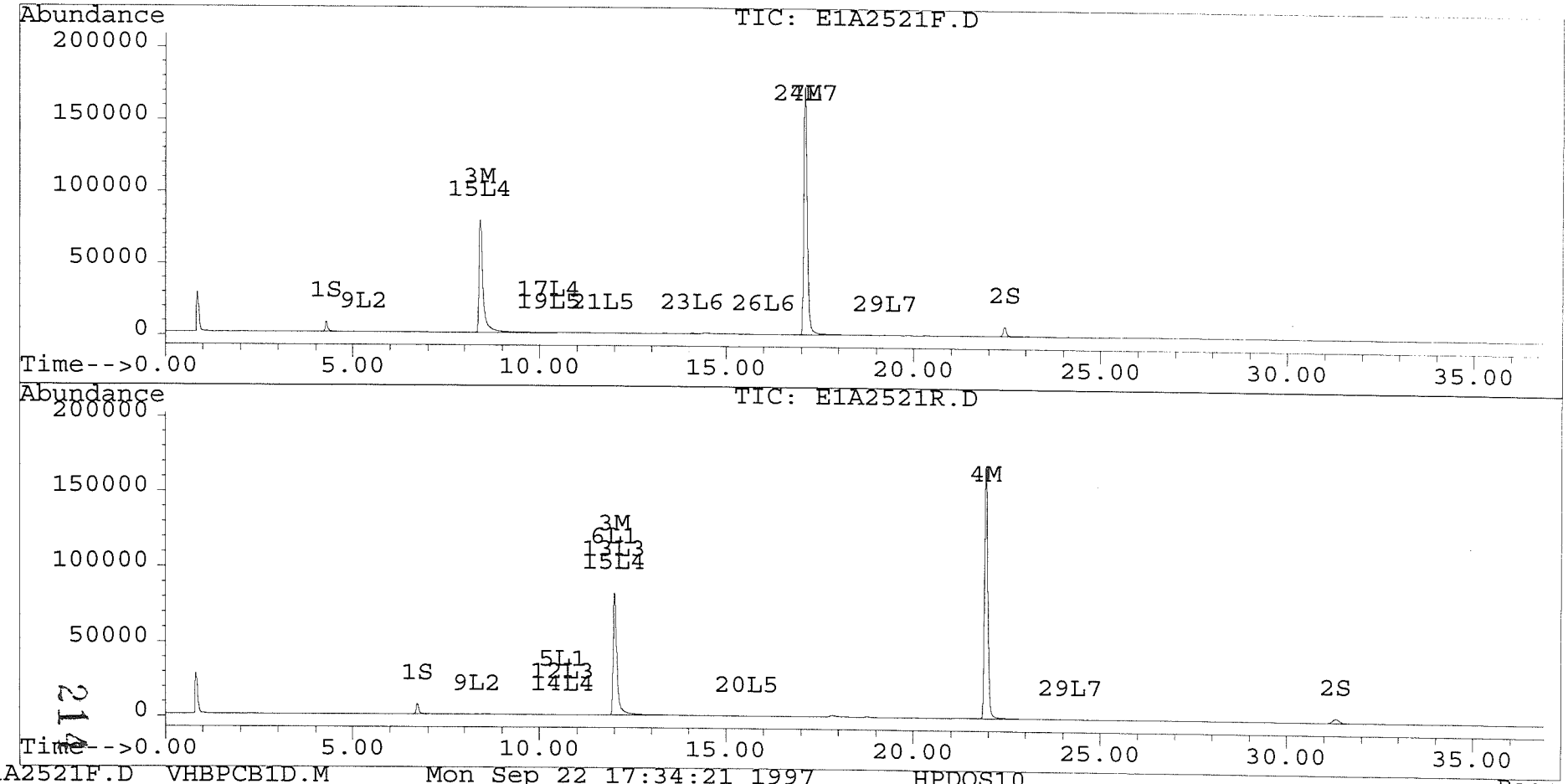
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2521F.D Vial: 71
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2521F.D\E1A2521R.D
Acq On : 22 Sep 97 04:45 PM Operator: JS
Sample : P0915-LCS4,PLCS07,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 17:32 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970922\E1A2522F.D Vial: 72
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2522F.D\E1A2522R.D
Acq On : 22 Sep 97 05:26 PM Operator: JS
Sample : P0915-LCS5,PLCS08,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 18:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7491	7209	35.138	35.937
				Recovery	=	87.85%	89.84%
2)	S Decachlorobiphenyl	22.43	31.31	6699	3128	27.420m	26.195
				Recovery	=	68.55%	65.49%
	Target Compounds						
3)	M 2,4,4'-Trichlorobip	8.41	12.02	70189	73771	982.838	1038.757
4)	M 2,2',3,3',4,4'-Hexa	17.10	21.95	156475	152436	1000.092	969.651
5)	L1 Aroclor-1016	0.00	10.62	0	68	N.D.	2.533 #
6)	L1 Aroclor-1016 {2}	0.00	12.02	0	73771	N.D.	2555.513 #
7)	L1 Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1016			0	73839	N.D.	2558.046
	Average Aroclor-1016					0.000	1279.023
8)	L2 Aroclor-1221	3.43	0.00	52	0	6.141	N.D. #
9)	L2 Aroclor-1221 {2}	5.29	8.33	107	82	16.432	13.409
10)	L2 Aroclor-1221 {3}	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1221			159	82	22.573	13.409
	Average Aroclor-1221					11.286	13.409
11)	L3 Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3 Aroclor-1232 {2}	0.00	10.62f	0	68	N.D.	5.436 #
13)	L3 Aroclor-1232 {3}	0.00	12.02	0	73771	N.D.	6047.617 #
	Total Aroclor-1232			0	73839	N.D.	6053.053
	Average Aroclor-1232					0.000	3026.526
14)	L4 Aroclor-1242	0.00	10.62	0	68	N.D.	1.876 #
15)	L4 Aroclor-1242 {2}	8.41f	12.02	70189	73771	1587.394	1907.837
16)	L4 Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17)	L4 Aroclor-1242 (4)	10.25	0.00	110	0	4.510	N.D. #
18)	L4 Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
	Total Aroclor-1242			70299	73839	1591.904	1909.713
	Average Aroclor-1242					795.952	954.857
19)	L5 Aroclor-1248	10.25	0.00	110	0	4.677	N.D. #

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2522F.D Vial: 72
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2522F.D\E1A2522R.D
Acq On : 22 Sep 97 05:26 PM Operator: JS
Sample : P0915-LCS5,PLCS08,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 18:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	27	N.D.	1.333 #
21) L5	Aroclor-1248 {3}	0.00	16.57	0	56	N.D.	3.652 #
Total	Aroclor-1248			110	82	4.677	4.986
Average	Aroclor-1248					4.677	2.493
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 {2}	14.09	0.00	414	0	13.621	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			414	0	13.621	N.D.
Average	Aroclor-1254					13.621	0.000
27) L7	Aroclor-1260	17.10	0.00	156475	0	5660.779	N.D. #
28) L7	Aroclor-1260 {2}	0.00	0.00	0	0	N.D.	N.D.
29) L7	Aroclor-1260 {3}	19.23	24.20	96	103	2.586	4.297 #
Total	Aroclor-1260			156571	103	5663.365	4.297
Average	Aroclor-1260					2831.682	4.297

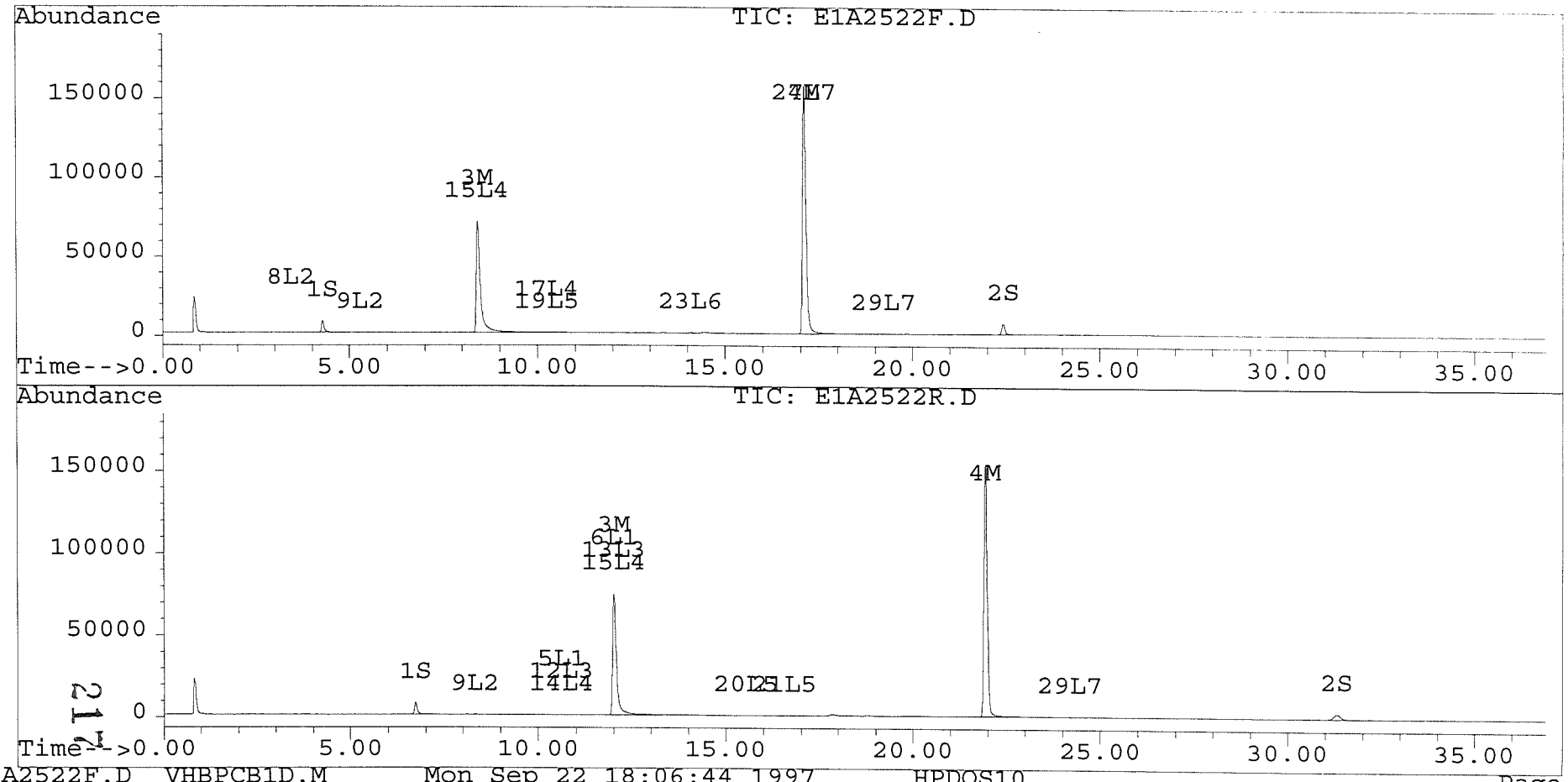
9/22/97

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2522F.D VHBPCB1D.M Mon Sep 22 18:06:38 1997 HPDOS10 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2522F.D Vial: 72
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970922\E1A2522F.D\E1A2522R.D
Acq On : 22 Sep 97 05:26 PM Operator: JS
Sample : P0915-LCS5,PLCS08,P0915-B4 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 22 18:06 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970915.S
Comment: MITKEM CORP. Sequence Log for "E1"
Operator: JS
Data Path: C:\HPCHEM\5\DATA\SEP97\970915\
Pre-Seq Cmd:
Post-Seq Cmd:

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

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

Line	Type	Vial	DataFile	Method	Sample Name
1	MaskName	-	-------r		
2	Sample	100	E1A2281F	VHBPCB1D	PRIME
3	Sample	100	E1A2282F	VHBPCB1D	PRIME
4	Sample	100	E1A2283F	VHBPCB1D	PRIME
5	Sample	1	E1A2284F	VHBPCB1D	ar1221D5,ar1221D5,,ar1221.sub
6	Sample	2	E1A2285F	VHBPCB1D	ar1221D4,ar1221D4,,ar1221.sub
7	Sample	3	E1A2286F	VHBPCB1D	ar1221D3,ar1221D3,,ar1221.sub
8	Sample	4	E1A2287F	VHBPCB1D	ar1221D2,ar1221D2,,ar1221.sub
9	Sample	5	E1A2288F	VHBPCB1D	ar1221D1,ar1221D1a,,ar1221.sub
10	Sample	6	E1A2289F	VHBPCB1D	ar1232D5,ar1232D5,,ar1232.sub
11	Sample	7	E1A2290F	VHBPCB1D	ar1232D4,ar1232D4,,ar1232.sub
12	Sample	8	E1A2291F	VHBPCB1D	ar1232D3,ar1232D3,,ar1232.sub
13	Sample	9	E1A2292F	VHBPCB1D	ar1232D2,ar1232D2,,ar1232.sub
14	Sample	10	E1A2293F	VHBPCB1D	ar1232D1,ar1232D1,,ar1232.sub
15	Sample	11	E1A2294F	VHBPCB1D	ar1242D5,ar1242D5,,ar1242.sub
16	Sample	12	E1A2295F	VHBPCB1D	ar1242D4,ar1242D4,,ar1242.sub
17	Sample	13	E1A2296F	VHBPCB1D	ar1242D3,ar1242D3,,ar1242.sub
18	Sample	14	E1A2297F	VHBPCB1D	ar1242D2,ar1242D2,,ar1242.sub
19	Sample	15	E1A2298F	VHBPCB1D	ar1242D1,ar1242D1,,ar1242.sub
20	Sample	16	E1A2299F	VHBPCB1D	ar1248D5,ar1248D5,,ar1248.sub
21	Sample	17	E1A2300F	VHBPCB1D	ar1248D4,ar1248D4,,ar1248.sub
22	Sample	18	E1A2301F	VHBPCB1D	ar1248D3,ar1248D3,,ar1248.sub
23	Sample	19	E1A2302F	VHBPCB1D	ar1248D2,ar1248D2,,ar1248.sub
24	Sample	20	E1A2303F	VHBPCB1D	ar1248D1,ar1248D1,,ar1248.sub
25	Sample	21	E1A2304F	VHBPCB1D	ar1254D5,ar1254D5,,ar1254.sub
26	Sample	22	E1A2305F	VHBPCB1D	ar1254D4,ar1254D4,,ar1254.sub
27	Sample	23	E1A2306F	VHBPCB1D	ar1254B3,ar1254D3,,ar1254.sub
28	Sample	24	E1A2307F	VHBPCB1D	ar1254B2,ar1254D2,,ar1254.sub
29	Sample	25	E1A2308F	VHBPCB1D	ar1254D1,ar1254D1,,ar1254.sub
30	Sample	26	E1A2309F	VHBPCB1D	ar1660D5,ar1660D5,,ar1660.sub
31	Sample	27	E1A2310F	VHBPCB1D	ar1660D4,ar1660D4,,ar1660.sub
32	Sample	28	E1A2311F	VHBPCB1D	ar1660D3,ar1660D3,,ar1660.sub
33	Sample	29	E1A2312F	VHBPCB1D	ar1660D2,ar1660D2,,ar1660.sub
34	Sample	30	E1A2313F	VHBPCB1D	ar1660D1,ar1660D1,,ar1660.sub
35	Sample	31	E1A2314F	VHBPCB1D	PCBCOGD5,PCBCOGDB5
36	Sample	32	E1A2315F	VHBPCB1D	PCBCOGD4,PCBCOGD4
37	Sample	33	E1A2316F	VHBPCB1D	PCBCOGD3,PCBCOGD3
38	Sample	34	E1A2317F	VHBPCB1D	PCBCOGD2,PCBCOGD2
39	Sample	35	E1A2318F	VHBPCB1D	PCBCOGD1,PCBCOGD1
40	Sample	36	E1A2319F	VHBPCB1D	P0913-B1,PBLK01,P0913-B1
41	Sample	37	E1A2320F	VHBPCB1D	P0913-LCS1,PLCS01,P0913-B1,,AR1260.SP
42	Sample	38	E1A2321F	VHBPCB1D	P0913-LCS2,PLCS02,P0913-B1,,LMS.SPK
43	Sample	39	E1A2322F	VHBPCB1D	D1417-01,A2R090-7320B,P0913-B1

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970915.S

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	40	E1A2323F	VHBPCB1D	D1418-01,A2SS79-12A,P0913-B1
45	Sample	41	E1A2324F	VHBPCB1D	D1418-02,A2SS80-12A,P0913-B1
46	Sample	42	E1A2325F	VHBPCB1D	D1412-01,S-1,P0913-B1
47	Sample	43	E1A2326F	VHBPCB1D	P0915-B1,PBLK02,P0915-B1
48	Sample	44	E1A2327F	VHBPCB1D	P0915-LCS1,PLCS02,P0915-B1,,AR1260.SP
49	Sample	45	E1A2328F	VHBPCB1D	D1431-01,120107.26-SS-01,P0915-B1
50	Sample	46	E1A2329F	VHBPCB1D	AR1242DA,AR1242DA,,AR1242.SUB
51	Sample	47	E1A2330F	VHBPCB1D	AR1248DA,AR1248DA,,AR1248.SUB
52	Sample	48	E1A2331F	VHBPCB1D	AR1254DA,AR1254DA,,AR1254.SUB
53	Sample	49	E1A2332F	VHBPCB1D	AR1660DA,AR1660DA,,AR1660.SUB
54	Sample	50	E1A2333F	VHBPCB1D	D1426-01,S-1A5,P0915-B1
55	Sample	51	E1A2334F	VHBPCB1D	D1426-01MS,S-1A5MS,P0915-B1,,AR1260.S
56	Sample	52	E1A2335F	VHBPCB1D	D1426-01MSD,S-1A5MSD,P0915-B1,,AR1260
57	Sample	53	E1A2336F	VHBPCB1D	D1426-02,S-2A5,P0915-B1
58	Sample	54	E1A2337F	VHBPCB1D	D1426-03,S-3A5,P0915-B1
59	Sample	55	E1A2338F	VHBPCB1D	D1426-05,S-1A1,P0915-B1
60	Sample	56	E1A2339F	VHBPCB1D	D1426-06,S-2A1,P0915-B1
61	Sample	57	E1A2340F	VHBPCB1D	D1426-07,S-3A1,P0915-B1
62	Sample	58	E1A2341F	VHBPCB1D	AR1221DB,AR1221DB,,AR1221.SUB
63	Sample	59	E1A2342F	VHBPCB1D	AR1232DB,AR1232DB,,AR1232.SUB
64	Sample	60	E1A2343F	VHBPCB1D	AR1242DB,AR1242DB,,AR1242.SUB
65	Sample	61	E1A2344F	VHBPCB1D	AR1248DB,AR1248DB,,AR1248.SUB
66	Sample	62	E1A2345F	VHBPCB1D	AR1254DB,AR1254DB,,AR1254.SUB
67	Sample	63	E1A2346F	VHBPCB1D	AR1660DB,AR1660DB,,AR1660.SUB
68	Sample	64	E1A2347F	VHBPCB1D	COGDB,COGDB,,COG.SUB

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970917.S
Comment: MITKEM CORP. Sequence Log for "E1"
Operator:
Data Path: C:\HPCHEM\5\DATA\SEP97\970917\
Pre-Seq Cmd:
Post-Seq Cmd:

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

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

	Line	Type	Vial	DataFile	Method	Sample Name
	1	MaskName	-	-------r		
	2	Sample	1	E1A2348F	VHBPCB1D	P0916-B2,PBLK03,P0916-B2
	3	Sample	2	E1A2349F	VHBPCB1D	P0916-LCS2,PLCS03,P0916-B2
	4	Sample	3	E1A2350F	VHBPCB1D	D1414-21,I8-C1,P0916-B2
	5	Sample	4	E1A2351F	VHBPCB1D	D1414-21MS,I8-C1MS,P0916-B2
	6	Sample	5	E1A2352F	VHBPCB1D	D1414-21MSD,I8-C1MSD,P0916-B2
	7	Sample	6	E1A2353F	VHBPCB1D	D1414-22,I9-C1,P0916-B2
	8	Sample	7	E1A2354F	VHBPCB1D	D1414-23,I10-C1,P0916-B2
	9	Sample	8	E1A2355F	VHBPCB1D	D1414-24,I12-C1,P0916-B2
	10	Sample	9	E1A2356F	VHBPCB1D	D1414-25,J1-C1,P0916-B2
	11	Sample	10	E1A2357F	VHBPCB1D	D1414-26,J2-C1,P0916-B2
	12	Sample	11	E1A2358F	VHBPCB1D	AR1248DC,AR1248DC,,AR1248.SUB
	13	Sample	12	E1A2359F	VHBPCB1D	COGDC,COGDC,,COG.SUB
	14	Sample	13	E1A2360F	VHBPCB1D	AR1242DC,AR1242DC,,AR1242.SUB
	15	Sample	14	E1A2361F	VHBPCB1D	AR1254DC,AR1254DC,,AR1254.SUB
	16	Sample	15	E1A2362F	VHBPCB1D	AR1660DC,AR1660DC,,AR1660.SUB
	17	Sample	16	E1A2363F	VHBPCB1D	D1414-27,J3-C1,P0916-B2
	18	Sample	17	E1A2364F	VHBPCB1D	D1414-28,J4-C1,P0916-B2
	19	Sample	18	E1A2365F	VHBPCB1D	D1414-29,J5-C1,P0916-B2
	20	Sample	19	E1A2366F	VHBPCB1D	D1414-30,J6-C1,P0916-B2
	21	Sample	20	E1A2367F	VHBPCB1D	D1414-31,J8-C1,P0916-B2
	22	Sample	21	E1A2368F	VHBPCB1D	D1414-32,J10-C1,P0916-B2
	23	Sample	22	E1A2369F	VHBPCB1D	D1414-33,K1-C1,P0916-B2
	24	Sample	23	E1A2370F	VHBPCB1D	D1414-34,K2-C1,P0916-B2
	25	Sample	24	E1A2371F	VHBPCB1D	D1414-35,K3-C1,P0916-B2
	26	Sample	25	E1A2372F	VHBPCB1D	D1414-36,K4-C1,P0916-B2
	27	Sample	26	E1A2373F	VHBPCB1D	AR1248DC,AR1248DC,,AR1248.SUB
	28	Sample	27	E1A2374F	VHBPCB1D	COGDC,COGDC,,COG.SUB
	29	Sample	28	E1A2375F	VHBPCB1D	AR1242DC,AR1242DC,,AR1242.SUB
	30	Sample	29	E1A2376F	VHBPCB1D	AR1254DC,AR1254DC,,AR1254.SUB
	31	Sample	30	E1A2377F	VHBPCB1D	AR1660DC,AR1660DC,,AR1660.SUB
	32	Sample	31	E1A2378F	VHBPCB1D	D1414-37,L1-C1,P0916-B2
	33	Sample	32	E1A2379F	VHBPCB1D	D1414-38,L2-C1,P0916-B2
	34	Sample	33	E1A2380F	VHBPCB1D	D1414-39,L3-C1,P0916-B2
	35	Sample	34	E1A2381F	VHBPCB1D	D1414-40,L4-C1,P0916-B2

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970918.S
Comment: MITKEM CORP. Sequence Log for "E1"
Operator: JS
Data Path: C:\HPCHEM\5\DATA\SEP97\970918\
Pre-Seq Cmd:
Post-Seq Cmd:

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

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

Line	Type	Vial	DataFile	Method	Sample Name
1	MaskName	-	-------r		
2	Sample	35	E1A2382F	VHBPCB1D	D1414-41,L7-C1,P0917-B1
3	Sample	36	E1A2383F	VHBPCB1D	D1414-41MS,L7-C1MS,P0917-B1
4	Sample	37	E1A2384F	VHBPCB1D	D1414-41MSD,L7-C1MSD,P0917-B1
5	Sample	38	E1A2385F	VHBPCB1D	D1414-42,M1-C1,P0917-B1
6	Sample	39	E1A2386F	VHBPCB1D	D1414-43,M4-C1,P0917-B1
7	Sample	40	E1A2387F	VHBPCB1D	D1414-44,M5-C1,P0917-B1
8	Sample	41	E1A2388F	VHBPCB1D	AR1248DD,AR1248DD,,AR1248.SUB
9	Sample	42	E1A2389F	VHBPCB1D	COGDD,COGDD,,COG.SUB
10	Sample	43	E1A2390F	VHBPCB1D	AR1242DD,AR1242DD,,AR1242.SUB
11	Sample	44	E1A2391F	VHBPCB1D	AR1254DD,AR1254DD,,AR1254.SUB
12	Sample	45	E1A2392F	VHBPCB1D	AR1660DD,AR1660DD,,AR1660.SUB
13	Sample	46	E1A2393F	VHBPCB1D	D1414-45,M6-C1,P0917-B1
14	Sample	47	E1A2394F	VHBPCB1D	D1414-46,M7-C1,P0917-B1
15	Sample	48	E1A2395F	VHBPCB1D	D1414-47,M8-C1,P0917-B1
16	Sample	49	E1A2396F	VHBPCB1D	D1414-48,N1-C1,P0917-B1
17	Sample	50	E1A2397F	VHBPCB1D	D1414-49,Q1-C2,P0917-B1
18	Sample	51	E1A2398F	VHBPCB1D	D1414-50,R1-C2,P0917-B1
19	Sample	52	E1A2399F	VHBPCB1D	D1414-51,V4-C2,P0917-B1
20	Sample	53	E1A2400F	VHBPCB1D	D1414-52,I9-C1(D),P0917-B1
21	Sample	54	E1A2401F	VHBPCB1D	D1414-53,L2-C1(D),P0917-B1
22	Sample	55	E1A2402F	VHBPCB1D	D1414-54,H4-C1(D),P0917-B1
23	Sample	56	E1A2403F	VHBPCB1D	AR1248DD,AR1248DD,,AR1248.SUB
24	Sample	57	E1A2404F	VHBPCB1D	COGDD,COGDD,,COG.SUB
25	Sample	58	E1A2405F	VHBPCB1D	AR1242DD,AR1242DD,,AR1242.SUB
26	Sample	59	E1A2406F	VHBPCB1D	AR1254DD,AR1254DD,,AR1254.SUB
27	Sample	60	E1A2407F	VHBPCB1D	AR1660DD,AR1660DD,,AR1660.SUB
28	Sample	61	E1A2408F	VHBPCB1D	D1414-55,PS-97(9706),P0917-B1
29	Sample	62	E1A2409F	VHBPCB1D	D1414-56,PS-9103,P0917-B1
30	Sample	63	E1A2410F	VHBPCB1D	D1414-57,PS-95(9505),P0917-B1
31	Sample	64	E1A2411F	VHBPCB1D	D1414-34DL,K2-C1,P0916-B2,,,5
32	Sample	65	E1A2412F	VHBPCB1D	P0917-B1,PBLK04,P0917-B1
33	Sample	66	E1A2413F	VHBPCB1D	P0917-LCS1,PLCS04,P0917-B1
34	Sample	67	E1A2414F	VHBPCB1D	P0912-LCS2,PLCS04,P0912-B2
35	Sample	68	E1A2415F	VHBPCB1D	D1414-55,PS-97(9706),P0917-B1,,,5
36	Sample	69	E1A2416F	VHBPCB1D	D1414-56,PS-9103,P0917-B1,,,5
37	Sample	70	E1A2417F	VHBPCB1D	D1414-57,PS-95(9505),P0917-B1,,,3

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970919.S
Comment: MITKEM CORP. Sequence Log for "E1"
Operator: JS
Data Path: C:\HPCHEM\5\DATA\SEP97\970919\
Pre-Seq Cmd:
Post-Seq Cmd:

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

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

Line	Type	Vial	DataFile	Method	Sample Name
1	MaskName	-	-------r		
2	Sample	1	E1A2419F	VHBPCB1D	AR1248DE,AR1248DE,,AR1248.SUB
3	Sample	2	E1A2420F	VHBPCB1D	COGDE,COGDE,,COG.SUB
4	Sample	3	E1A2421F	VHBPCB1D	AR1242DE,AR1242DE,,AR1242.SUB
5	Sample	4	E1A2422F	VHBPCB1D	AR1254DE,AR1254DE,,AR1254.SUB
6	Sample	5	E1A2423F	VHBPCB1D	AR1660DE,AR1660DE,,AR1660.SUB
7	Sample	6	E1A2424F	VHBPCB1D	P0915-B2,PBLK05,P0915-B2
8	Sample	7	E1A2425F	VHBPCB1D	P0915-LCS2,PLCS05,P0915-B2
9	Sample	8	E1A2426F	VHBPCB1D	D1422-01,CR-1,P0915-B2
10	Sample	9	E1A2427F	VHBPCB1D	D1422-02,CR-2,P0915-B2
11	Sample	10	E1A2428F	VHBPCB1D	D1422-03,CR-3,P0915-B2
12	Sample	11	E1A2429F	VHBPCB1D	D1422-05,CR-5,P0915-B2
13	Sample	12	E1A2430F	VHBPCB1D	D1422-06,DCR-1,P0915-B2
14	Sample	13	E1A2431F	VHBPCB1D	D1422-07,1WBF,P0915-B2
15	Sample	14	E1A2432F	VHBPCB1D	D1422-08,2WBF,P0915-B2
16	Sample	15	E1A2433F	VHBPCB1D	D1422-09,3WBF,P0915-B2
17	Sample	16	E1A2434F	VHBPCB1D	AR1248DF,AR1248DF,,AR1248.SUB
18	Sample	17	E1A2435F	VHBPCB1D	COGDF,COGDF,COG.SUB
19	Sample	18	E1A2436F	VHBPCB1D	AR1242DF,AR1242DF,,AR1242.SUB
20	Sample	19	E1A2437F	VHBPCB1D	AR1254DF,AR1254DF,,AR1254.SUB
21	Sample	20	E1A2438F	VHBPCB1D	AR1660DF,AR1660DF,,AR1660.SUB
22	Sample	21	E1A2439F	VHBPCB1D	D1422-10,4WBF,P0915-B2
23	Sample	22	E1A2440F	VHBPCB1D	D1422-11,D4WBF,P0915-B2
24	Sample	23	E1A2441F	VHBPCB1D	D1422-12,SB4WBF,P0915-B2
25	Sample	24	E1A2442F	VHBPCB1D	D1422-13,ST-1,P0915-B2
26	Sample	25	E1A2443F	VHBPCB1D	D1422-14,ST-2,P0915-B2
27	Sample	26	E1A2444F	VHBPCB1D	D1422-15,SBST-1,P0915-B2
28	Sample	27	E1A2445F	VHBPCB1D	D1422-16,CW2K-5,P0915-B2
29	Sample	28	E1A2446F	VHBPCB1D	D1422-17,CW2L-5,P0915-B2
30	Sample	29	E1A2447F	VHBPCB1D	D1422-18,CW2K-6,P0915-B2
31	Sample	30	E1A2448F	VHBPCB1D	D1422-19,CW2L-6,P0915-B2
32	Sample	31	E1A2449F	VHBPCB1D	AR1248DG,AR1248DG,,AR1248.SUB
33	Sample	32	E1A2450F	VHBPCB1D	COGDG,COGDG,COG.SUB
34	Sample	33	E1A2451F	VHBPCB1D	AR1242DG,AR1242DG,,AR1242.SUB
35	Sample	34	E1A2452F	VHBPCB1D	AR1254DG,AR1254DG,,AR1254.SUB
36	Sample	35	E1A2453F	VHBPCB1D	AR1660DG,AR1660DG,,AR1660.SUB
37	Sample	36	E1A2454F	VHBPCB1D	D1422-20,SG-1,P0915-B2
38	Sample	37	E1A2455F	VHBPCB1D	P0915-B3,PBLK06,P0915-B3
39	Sample	38	E1A2456F	VHBPCB1D	P0915-LCS3,PLCS06,P0915-B3
40	Sample	39	E1A2457F	VHBPCB1D	D1422-21,SG-2,P0915-B3
41	Sample	40	E1A2458F	VHBPCB1D	D1422-22,SG-3,P0915-B3
42	Sample	41	E1A2459F	VHBPCB1D	D1422-23,SG-4,P0915-B3
43	Sample	42	E1A2460F	VHBPCB1D	D1422-24,SG-5,P0915-B3

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970919.S

	Line	Type	Vial	DataFile	Method	Sample Name
	44	Sample	43	E1A2461F	VHBPCB1D	D1422-25,SG-6,P0915-B3
	45	Sample	44	E1A2462F	VHBPCB1D	D1422-26,SG-7,P0915-B3
	46	Sample	45	E1A2463F	VHBPCB1D	D1422-27,SG-8,P0915-B3
	47	Sample	46	E1A2464F	VHBPCB1D	AR1248DH,AR1248DH,,AR1248.SUB
	48	Sample	47	E1A2465F	VHBPCB1D	COGDH,COGDH,COG.SUB
	49	Sample	48	E1A2466F	VHBPCB1D	AR1242DH,AR1242DH,,AR1242.SUB
	50	Sample	49	E1A2467F	VHBPCB1D	AR1254DH,AR1254DH,,AR1254.SUB
	51	Sample	50	E1A2468F	VHBPCB1D	AR1660DH,AR1660DH,,AR1660.SUB
	52	Sample	51	E1A2469F	VHBPCB1D	D1422-28,SG-9,P0915-B3
	53	Sample	52	E1A2470F	VHBPCB1D	D1422-29,SG-10,P0915-B3
	54	Sample	53	E1A2471F	VHBPCB1D	D1422-30,SG-11,P0915-B3
	55	Sample	54	E1A2472F	VHBPCB1D	D1422-31,SG-12,P0915-B3
	56	Sample	55	E1A2473F	VHBPCB1D	D1422-32,SG-13,P0915-B3
	57	Sample	56	E1A2474F	VHBPCB1D	D1422-33,SG-14,P0915-B3
	58	Sample	57	E1A2475F	VHBPCB1D	D1422-34,SG-15,P0915-B3
	59	Sample	58	E1A2476F	VHBPCB1D	D1422-35,SG-16,P0915-B3
	60	Sample	59	E1A2477F	VHBPCB1D	D1422-36,SG-17,P0915-B3
	61	Sample	60	E1A2478F	VHBPCB1D	D1422-37,SG-18,P0915-B3
	62	Sample	61	E1A2479F	VHBPCB1D	AR1248DI,AR1248DI,,AR1248.SUB
	63	Sample	62	E1A2480F	VHBPCB1D	COGDI,COGDI,COG.SUB
	64	Sample	63	E1A2481F	VHBPCB1D	AR1242DI,AR1242DI,,AR1242.SUB
	65	Sample	64	E1A2482F	VHBPCB1D	AR1254DI,AR1254DI,,AR1254.SUB
	66	Sample	65	E1A2483F	VHBPCB1D	AR1660DI,AR1660DI,,AR1660.SUB
	67	Sample	66	E1A2484F	VHBPCB1D	D1422-38,SG-19,P0915-B3
	68	Sample	67	E1A2485F	VHBPCB1D	D1422-39,SG-20,P0915-B3
	69	Sample	68	E1A2486F	VHBPCB1D	D1422-40,SBSG,P0915-B3
	70	Sample	69	E1A2487F	VHBPCB1D	P0915-B4,PBLK07,P0915-B4
	71	Sample	70	E1A2488F	VHBPCB1D	P0915-LCS4,PLCS07,P0915-B4
	72	Sample	71	E1A2489F	VHBPCB1D	P0915-LCS5,PLCS08,P0915-B4
	73	Sample	72	E1A2490F	VHBPCB1D	D1422-41,DSG-20,P0915-B3
	74	Sample	73	E1A2491F	VHBPCB1D	AR1248DI,AR1248DI,,AR1248.SUB
	75	Sample	74	E1A2492F	VHBPCB1D	AR1242DI,AR1242DI,,AR1242.SUB
	76	Sample	75	E1A2493F	VHBPCB1D	AR1254DI,AR1254DI,,AR1254.SUB
	77	Sample	76	E1A2494F	VHBPCB1D	AR1660DI,AR1660DI,,AR1660.SUB
	78	Sample	77	E1A2495F	VHBPCB1D	P0918-B3,PBLK08,P0918-B3
	79	Sample	78	E1A2496F	VHBPCB1D	P0918-LCS3,PLCS08,P0918-B3
	80	Sample	79	E1A2497F	VHBPCB1D	D1440-01,06501,P0918-B3
	81	Sample	80	E1A2498F	VHBPCB1D	D1440-02,06502,P0918-B3
	82	Sample	81	E1A2499F	VHBPCB1D	D1440-03,06503,P0918-B3
	83	Sample	82	E1A2500F	VHBPCB1D	D1440-04,06504,P0918-B3
	84	Sample	83	E1A2501F	VHBPCB1D	D1440-05,06505,P0918-B3
	85	Sample	84	E1A2502F	VHBPCB1D	D1440-06,06506,P0918-B3
	86	Sample	85	E1A2503F	VHBPCB1D	D1440-07,06507,P0918-B3
	87	Sample	86	E1A2504F	VHBPCB1D	D1440-08,06508,P0918-B3
	88	Sample	87	E1A2505F	VHBPCB1D	AR1248DI,AR1248DI,,AR1248.SUB
	89	Sample	88	E1A2506F	VHBPCB1D	AR1242DI,AR1242DI,,AR1242.SUB
	90	Sample	89	E1A2507F	VHBPCB1D	AR1254DI,AR1254DI,,AR1254.SUB
	91	Sample	90	E1A2508F	VHBPCB1D	AR1660DI,AR1660DI,,AR1660.SUB
	92	Sample	1	E1A2509F	VHBPCB1D	D1440-09,06509,P0918-B3
	93	Sample	2	E1A2510F	VHBPCB1D	D1440-09MS,06509MS,P0918-B3
	94	Sample	3	E1A2511F	VHBPCB1D	D1440-09MSD,06509MSD,P0918-B3
	95	Sample	4	E1A2512F	VHBPCB1D	D1440-10,06510,P0918-B3
	96	Sample	5	E1A2513F	VHBPCB1D	D1440-11,06511,P0918-B3

PS
non
conf

9/23/97

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970919.S

Line	Type	Vial	DataFile	Method	Sample Name
97	Sample	6	E1A2514F	VHBPCB1D	D1440-12,06512,P0918-B3
98	Sample	7	E1A2515F	VHBPCB1D	D1440-13,08441,P0918-B3
99	Sample	8	E1A2516F	VHBPCB1D	D1440-14,08442,P0918-B3
100	Sample	9	E1A2517F	VHBPCB1D	D1440-15,08443,P0918-B3
101	Sample	10	E1A2518F	VHBPCB1D	AR1248DI,AR1248DI,,AR1248.SUB
102	Sample	11	E1A2519F	VHBPCB1D	AR1242DI,AR1242DI,,AR1242.SUB
103	Sample	12	E1A2520F	VHBPCB1D	AR1254DI,AR1254DI,,AR1254.SUB
104	Sample	13	E1A2521F	VHBPCB1D	AR1660DI,AR1660DI,,AR1660.SUB

PS
Run out
JS
9/23/97

224

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970922.S
Comment: MITKEM CORP. Sequence Log for "E1"
Operator: JS
Data Path: C:\HPCHEM\5\DATA\SEP97\970922\
Pre-Seq Cmd:
Post-Seq Cmd:

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

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

Line	Type	Vial	DataFile	Method	Sample Name
1	MaskName	-	-------r		
2	Sample	100	PRIME	VHBPCB1D	PRIME
3	Sample	61	E1A2511	VHBPCB1D	AR1248DI,AR1248DI,,AR1248.SUB
4	Sample	62	E1A2512	VHBPCB1D	COGDI,COGDI,COG.SUB
5	Sample	63	E1A2513	VHBPCB1D	AR1242DI,AR1242DI,,AR1242.SUB
6	Sample	64	E1A2514	VHBPCB1D	AR1254DI,AR1254DI,,AR1254.SUB
7	Sample	65	E1A2515	VHBPCB1D	AR1660DI,AR1660DI,,AR1660.SUB
8	Sample	66	E1A2516	VHBPCB1D	D1422-38,SG-19,P0915-B3
9	Sample	67	E1A2517	VHBPCB1D	D1422-39,SG-20,P0915-B3
10	Sample	68	E1A2518	VHBPCB1D	D1422-40,SBSG,P0915-B3
11	Sample	69	E1A2519	VHBPCB1D	D1422-41,DSG-20,P0915-B3
12	Sample	70	E1A2520	VHBPCB1D	P0915-B4,PBLK07,P0915-B4
13	Sample	71	E1A2521F	VHBPCB1D	P0915-LCS4,PLCS07,P0915-B4
14	Sample	72	E1A2522F	VHBPCB1D	P0915-LCS5,PLCS08,P0915-B4
15	Sample	73	E1A2523F	VHBPCB1D	P0919-B1,PBLK09,P0919-B1
16	Sample	74	E1A2524F	VHBPCB1D	P0919-LCS1,PMBS09,P0919-B1,,LMS.SPK
17	Sample	75	E1A2525F	VHBPCB1D	D1430-01,A2SS100-6A,P0919-B1,
18	Sample	76	E1A2526F	VHBPCB1D	AR1248DJ,AR1248DJ,,AR1248.SUB
19	Sample	77	E1A2527F	VHBPCB1D	COGDJ,COGDJ,COG.SUB
20	Sample	78	E1A2528F	VHBPCB1D	AR1242DJ,AR1242DJ,,AR1242.SUB
21	Sample	79	E1A2529F	VHBPCB1D	AR1254DJ,AR1254DJ,,AR1254.SUB
22	Sample	80	E1A2530F	VHBPCB1D	AR1660DJ,AR1660DJ,,AR1660.SUB
23	Sample	81	E1A2531F	VHBPCB1D	D1430-02,A2SS110-6A,P0919-B1,
24	Sample	82	E1A2532F	VHBPCB1D	D1458-01,A2RO99-3012,P0919-B1,,,5
25	Sample	83	E1A2533F	VHBPCB1D	D1458-02,A2RO102-88-20,P0919-B1,,,5
26	Sample	84	E1A2534F	VHBPCB1D	D1458-03,A2RO105-38-20,P0919-B1,,,
27	Sample	85	E1A2535F	VHBPCB1D	D1458-04,A2RO108-58-20,P0919-B1,,,
28	Sample	86	E1A2536F	VHBPCB1D	D1458-05,A2RO111-2010,P0919-B1,,,5
29	Sample	87	E1A2537F	VHBPCB1D	D1458-06,A2RO114-53-20,P0919-B1,,,
30	Sample	88	E1A2538F	VHBPCB1D	D1458-07,A2RO117-2014,P0919-B1,,,
31	Sample	89	E1A2539F	VHBPCB1D	D1458-08,A2RO120-6804,P0919-B1,,,
32	Sample	90	E1A2540F	VHBPCB1D	D1458-09,A2RO120-53-20B,P0919-B1,,,
33	Sample	91	E1A2541F	VHBPCB1D	AR1248DK,AR1248DK,,AR1248.SUB
34	Sample	92	E1A2542F	VHBPCB1D	AR1242DK,AR1242DK,,AR1242.SUB
35	Sample	93	E1A2543F	VHBPCB1D	AR1254DK,AR1254DK,,AR1254.SUB
36	Sample	94	E1A2544F	VHBPCB1D	AR1660DK,AR1660DK,,AR1660.SUB
37	Sample	2	E1A2545F	VHBPCB1D	D1458-08,A2RO120-6804,P0919-B1,,,2
38	Sample	95	E1A2546F	VHBPCB1D	P0920-B1,PBLK10,P0920-B1
39	Sample	96	E1A2547F	VHBPCB1D	P0920-LCS1,PLCS10,P0920-B1,,AR1260.SP
40	Sample	97	E1A2548F	VHBPCB1D	D1462-01,S18,P0920-B1
41	Sample	98	E1A2549F	VHBPCB1D	D1462-02,S19,P0920-B1
42	Sample	99	E1A2550F	VHBPCB1D	D1462-03,S20,P0920-B1
43	Sample	100	E1A2551F	VHBPCB1D	D1462-04,S21,P0920-B1

Sequence Name: C:\HPCHEM\5\SEQUENCE\E1970922.S

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	1	E1A2552F	VHBPCB1D	D1462-05,S22,P0920-B1

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
9/11/97	PD1398-01	HC	[illegible]	RS	
	-02				
	-03				
	-04				
	-05				
	-06				
9/12	PW970826B	AC	[illegible]	RS	short list MS
	PW970825A				full list MS
	PW970826A				C/L MS
	PW970925A				VHB Surr.
	W970925B				VHB conc.
9-13-97	P0912-B2		GL		
	-LCS2	RC			
	PD1414-01				
	-01MS				
	-01MSD				
	-02				
	-03				
	-04				
	-05				
	-06				
	-07				
	-08				
	-09				
	-10				
	-11				
	-12				
	-13				
	-14				
	-15				
	-16				
	-17				
	-18				
	-19				
	-20				
	P0913-B1		GL		
	-LCS1				
	-LCS2				
	PD1412-01				
	PD1417-01				
	PD1418-01				
	-02				

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
1/15/97	PD912 - B1	ARN			
	-LCS1				
	PD1393 01				
	-03				
	-05				
	-07				
	-10				
	PD915 - B1				
	-LCS1				
	PD1426 - 01				
	-01 MS				
	-01 MSD				
	-02				
	-03				
	05				
	-06				
	-07				
	PD1431 - 01				
9/16	PD911 - B2				
	-03				
	PD 1393 - 02				
	-04				
	-06				
	-08				
	12				
9/17/97	PD915 - B2				
	-B3				
	-B4				
	-LCS2				
	-LCS3				
	-LCS4				
	-LCS5				
	PD1422 - 01				
	-02				
	-03				
	-04				
	-05				
	-06				
	-07				
	-08				
	-09				
	-10				
	-11				

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
9/17/97	PD1422-12	DE			
	-13				
	-14				
	-15				
	-16				
	-17				
	-18				
	-19				
	-20				
	-21				
	-22				
	-23				
	-24		DE	R5	
	-25				
	-4				
	-27				
	-28				
	-29				
	-30				
	-31				
	-32				
	-33				
	-34				
	-35				
	-36				
	-37				
	-38				
	-39				
	-40				
	-41				
9/17/97	PB917 B2	ARN		R5	
	LCS2				
	PD1442 21				
	-22				
9/17/97	PB916-B2	PB		R5	
	-LCS3				
	PD1414-21				
	-21MS				
	-21MSD				
	-22				
	-23				
	-24				
	-25				

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
9/17/97	PD1414-26	RB	RS	RS	
	-27				
	-28				
	-29				
	-30				
	-31				
	-32				
	-33				
	-34				
	-35				
	-36				
	-37				
	-38				
	-39				
	-40				
9/18/97	PD916-B1	ARN	RS	RS	
	-LCS2				
	PD1423-01				
(HC) PD918-B1 HC					
9/18/97	PD918-B1	HC	RS	RS	
	-LCS1				
	PD1414-58				
	-59				
	-60				
	-61				
	-62				
	-63				
	-64				
	PD917-B1	AR			
	-LCS1				
	-PD1414-41				
	-41MS				
	-41MSD				
	-42				
	-43				
	-44				
	-45				
	-46				
	-47				
	-48				
	-49				
	-50				

MITKEM CORP. Extracts Transfer Log -- Pesticides/PCB Analysis

Date Transferred From Prep. Lab	Lab ID	Transferred By	Received By	Storage Location	Comments
	PD1414-51	AC	QD	R5	
	-52				
	-53				
	-54				
	-55				
	-56				
	-57				
9/19/97	PD916-B1	HO	QD	R5	
	-LCS1				
	PD1408-01				
	PD1410-01				
	-02				
	-03				
	-04				
	-05				
	-07 ~~-06~~				
	-08				
	-10				
	-11				
	-12				
	-13				
	-14				
	-15				
	-16				
	PD919-B1	ARN	QD	R5	
	-LCS1				
	PD1430-01				
	-02				
	PD1458-01				
	-02				
	-03				
	-04				
	-05				
	-06				
	-07				
	-08				
	-09				
9/19	PD919-B3	AC	QD	R5	
	-LCS3				
	PD1440-01				
	-02				
	-03				
	-04				

MITKEM CORP. % Moisture and % Solid Determination Log Book

Date In	Sample ID	Oven Temp. In	Tare Wt. (g)	Wet Wt. (g)	Wet Wt. Tared (g)	Date Out	Oven Temp. Out	Dry Wt. (g)	Dry Wt. Tared (g)	% Solids	Analyst	Calc. Checked
7-16-97	D1423-07	104°C	1.0	11.0	10.0	7/17/97	95°C	10.2	9.2	92	ARN	
	D1414-21							9.8	8.8	88		
	-22							9.7	8.7	87		
	-23							10.0	9.0	90		
	-24							10.6	9.6	96		
	-25							9.6	8.6	86		
	-26							9.7	8.7	87		
	-27							9.6	8.6	86		
	-28							9.9	8.9	89		
	-29							10.2	9.2	92		
	-30							9.3	8.3	83		
	-31							9.7	8.7	87		
	-32							9.9	8.9	89		
	-33							9.5	8.5	85		
	-34							9.6	8.6	86		
	-35							9.4	8.4	84		
	-36							9.4	8.4	84		
	-37							9.3	8.3	83		
	-38							10.5	9.5	95		
	-39							9.4	8.4	84		
	-40							9.2	8.2	82		

%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
9/17/97	D1414 - 41	104°C	~~11.0~~ 10	11 C	10 C	9/18	102°C	9.97	~~8~~ 9.0	90	AE	AE
	-42							9.93	8.9	89		
	-43							9.56	8.1	86		
	-44							9.05	8.0	80		
	-45							9.70	8.7	87		
	-46							9.54	8.5	85		
	-47							9.61	8.6	86		
	-48							9.51	8.5	85		
	-49							9.79	8.8	88		
	-50							9.45	8.4	84		
	-51							10.22	9.2	92		
	-52							9.66	8.7	87		
	-53							10.48	9.5	95		
	54							9.20	8.2	82		
	-55							11.00	10.0	100		
	-56							10.97	10.0	100		
	-57							10.99	10.0	100		
9/17/97	D1439 -01							10.67	9.7	97		
	-02							10.38	9.4	94		
	D1436 -01							9.62	8.6	86		
	-02							~~9.90~~ 9.90	~~8.9~~ 8.9	89		
	-03							9.70	8.7	87		

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

%solids

Initial Calibration

Instrument E1

Response Factor Report E1

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 17:51:37 1997
Response via : Initial Calibration

Calibration Files
0.5 =E1A2312F.D 0.1 =E1A2313F.D 1.0 =E1A2311F.D
2.5 =E1A2310F.D 5.0 =E1A2309F.D

		Compound	0.5	0.1	1.0	2.5	5.0	Avg	%RSD
1)	S	Tetrachloro-m-xylene	173.4	192.7	217.1	242.6	240.3	213.2	14.10
2)	S	Decachlorobiphenyl	242.4	259.0	256.9	237.5	225.8	244.3	5.67
3)	M	2,4,4'-Trichlorobiphe	71.9	68.4	68.4	75.1	73.3	71.4	4.18
4)	M	2,2',3,3',4,4'-Hexach	171.9	183.0	134.4	151.1	141.9	156.5	13.06
5)	L1	Aroclor-1016	27.7	29.3	29.1	26.7	23.5	27.3	8.64
6)	L1	Aroclor-1016 (2)	29.2	23.7	35.7	38.7	38.0	33.1	19.40
7)	L1	Aroclor-1016 (3)	21.9	23.1	22.8	21.2	19.0	21.6	7.62
8)	L2	Aroclor-1221	7.9	9.7	9.2	8.3	7.4	8.5	11.26
9)	L2	Aroclor-1221 (2)	5.4	6.0	7.0	7.1	7.0	6.5	11.45
10)	L2	Aroclor-1221 (3)	15.0	16.5	19.0	18.6	17.7	17.3	9.28
11)	L3	Aroclor-1232	12.5	12.5	14.2	13.9	13.8	13.4	6.14
12)	L3	Aroclor-1232 (2)	11.9	13.0	12.8	11.9	11.2	12.2	6.21
13)	L3	Aroclor-1232 (3)	11.3	10.2	14.1	15.6	16.4	13.5	19.87
14)	L4	Aroclor-1242	43.4	36.9	37.6	32.7	32.6	36.6	12.10
15)	L4	Aroclor-1242 (2)	46.4	29.7	45.5	46.8	52.7	44.2	19.48
16)	L4	Aroclor-1242 (3)	33.1	27.4	29.3	26.2	26.1	28.4	10.35
17)	L4	Aroclor-1242 (4)	27.2	20.8	24.9	23.8	24.9	24.3	9.55
18)	l4	Aroclor-1242 (5)	21.7	17.1	20.0	19.4	21.1	19.9	9.01
19)	L5	Aroclor-1248	23.6	21.3	24.5	24.5	23.4	23.5	5.48
20)	L5	Aroclor-1248 (2)	19.0	17.4	19.8	20.7	20.5	19.5	6.94
21)	L5	Aroclor-1248 (3)	22.1	17.9	24.1	25.9	26.0	23.2	14.54
22)	L6	Aroclor-1254	60.2	50.3	60.3	57.7	64.5	58.6	8.98
23)	L6	Aroclor-1254 (2)	32.6	29.6	31.1	28.0	30.5	30.4	5.68
24)	L6	Aroclor-1254 (3)	30.7	23.2	31.6	32.2	38.7	31.3	17.52
25)	L6	Aroclor-1254 (4)	28.9	26.4	27.4	25.0	26.6	26.8	5.30
26)	L6	Aroclor-1254 (5)	49.2	41.9	49.3	47.7	53.7	48.4	8.81
27)	L7	Aroclor-1260	26.6	25.9	29.6	28.8	27.2	27.6	5.66
28)	L7	Aroclor-1260 (2)	48.5	45.2	55.1	54.1	51.1	50.8	8.03
29)	L7	Aroclor-1260 (3)	35.0	32.4	40.4	40.2	38.5	37.3	9.33

Signal #2 Calibration Files
0.5 =E1A2312R.D 0.1 =E1A2313R.D 1.0 =E1A2311R.D
2.5 =E1A2310R.D 5.0 =E1A2309R.D

		Compound	0.5	0.1	1.0	2.5	5.0	Avg	%RSD
1)	S	Tetrachloro-m-xylene	178.1	183.2	201.7	220.7	219.3	200.6	9.86
2)	S	Decachlorobiphenyl	118.0	129.0	124.8	115.8	109.3	119.4	6.45
3)	M	2,4,4'-Trichlorobiphe	74.0	71.9	68.6	71.5	69.2	71.0	3.10
4)	M	2,2',3,3',4,4'-Hexach	176.6	189.8	139.8	146.4	133.5	157.2	15.65
5)	L1	Aroclor-1016	27.9	30.7	27.9	25.0	21.8	26.7	12.71
6)	L1	Aroclor-1016 (2)	26.7	25.1	30.3	31.7	30.5	28.9	9.77
7)	L1	Aroclor-1016 (3)	13.2	12.9	14.4	14.4	13.7	13.7	4.89
8)	L2	Aroclor-1221	7.0	8.5	7.9	7.0	6.2	7.3	12.19

002

(#) = Out of Range

Response Factor Report E1

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 17:51:37 1997
Response via : Initial Calibration

Calibration Files
0.5 =E1A2312R.D 0.1 =E1A2313R.D 1.0 =E1A2311R.D
2.5 =E1A2310R.D 5.0 =E1A2309R.D

	Compound	0.5	0.1	1.0	2.5	5.0	Avg	%RSD
9)	L2 Aroclor-1221 {2}	5.3	6.0	6.6	6.5	6.3	6.1	8.53
10)	L2 Aroclor-1221 {3}	13.1	15.0	15.9	15.1	14.3	14.7	7.23
11)	L3 Aroclor-1232	11.2	12.1	12.4	11.9	11.4	11.8	4.11
12)	L3 Aroclor-1232 {2}	12.3	14.0	13.1	11.8	11.0	12.4	9.25
13)	L3 Aroclor-1232 {3}	10.8	11.1	12.6	13.1	13.3	12.2	9.68
14)	L4 Aroclor-1242	43.2	38.8	36.5	31.3	30.3	36.0	14.88
15)	L4 Aroclor-1242 {2}	41.6	32.0	38.9	38.7	42.2	38.7	10.47
16)	L4 Aroclor-1242 {3}	25.9	23.0	22.1	19.1	18.5	21.7	13.81
17)	L4 Aroclor-1242 (4)	25.9	21.8	23.3	21.4	22.0	22.9	8.03
18)	L4 Aroclor-1242 (5)	15.4	13.1	13.8	13.2	14.0	13.9	6.61
19)	L5 Aroclor-1248	19.3	17.4	20.1	20.7	20.4	19.6	6.72
20)	L5 Aroclor-1248 {2}	19.2	17.1	20.4	21.4	21.4	19.9	8.95
21)	L5 Aroclor-1248 {3}	14.1	12.2	15.2	16.9	17.9	15.3	14.67
22)	L6 Aroclor-1254	70.4	63.8	67.3	61.8	66.1	65.9	5.02
23)	L6 Aroclor-1254 {2}	36.0	32.1	35.3	34.3	39.0	35.3	7.13
24)	L6 Aroclor-1254 {3}	31.5	31.7	28.7	24.9	25.8	28.5	11.02
25)	L6 Aroclor-1254 (4)	31.0	30.1	28.9	25.8	27.7	28.7	7.17
26)	L6 Aroclor-1254 (5)	46.5	43.2	45.0	42.0	45.9	44.5	4.25
27)	L7 Aroclor-1260	24.4	25.6	26.2	24.2	22.3	24.5	6.07
28)	L7 Aroclor-1260 {2}	56.4	57.3	61.7	57.6	52.7	57.2	5.61
29)	L7 Aroclor-1260 {3}	22.6	23.5	25.1	24.7	23.6	23.9	4.27

003

(#) = Out of Range

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2284F.D Vial: 1
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970915\E1A2284F.D\E1A2284R.D
Acq On : 15 Sep 97 06:00 PM Operator: JS
Sample : ar1221D5,ar1221D5,,ar1221.sub Inst : E1
Misc : 1,5,,3 Multiplr: 1.00
Quant Time: Sep 16 11:51 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Tue Sep 16 13:55:22 1997
Response via : Multiple Level Calibration

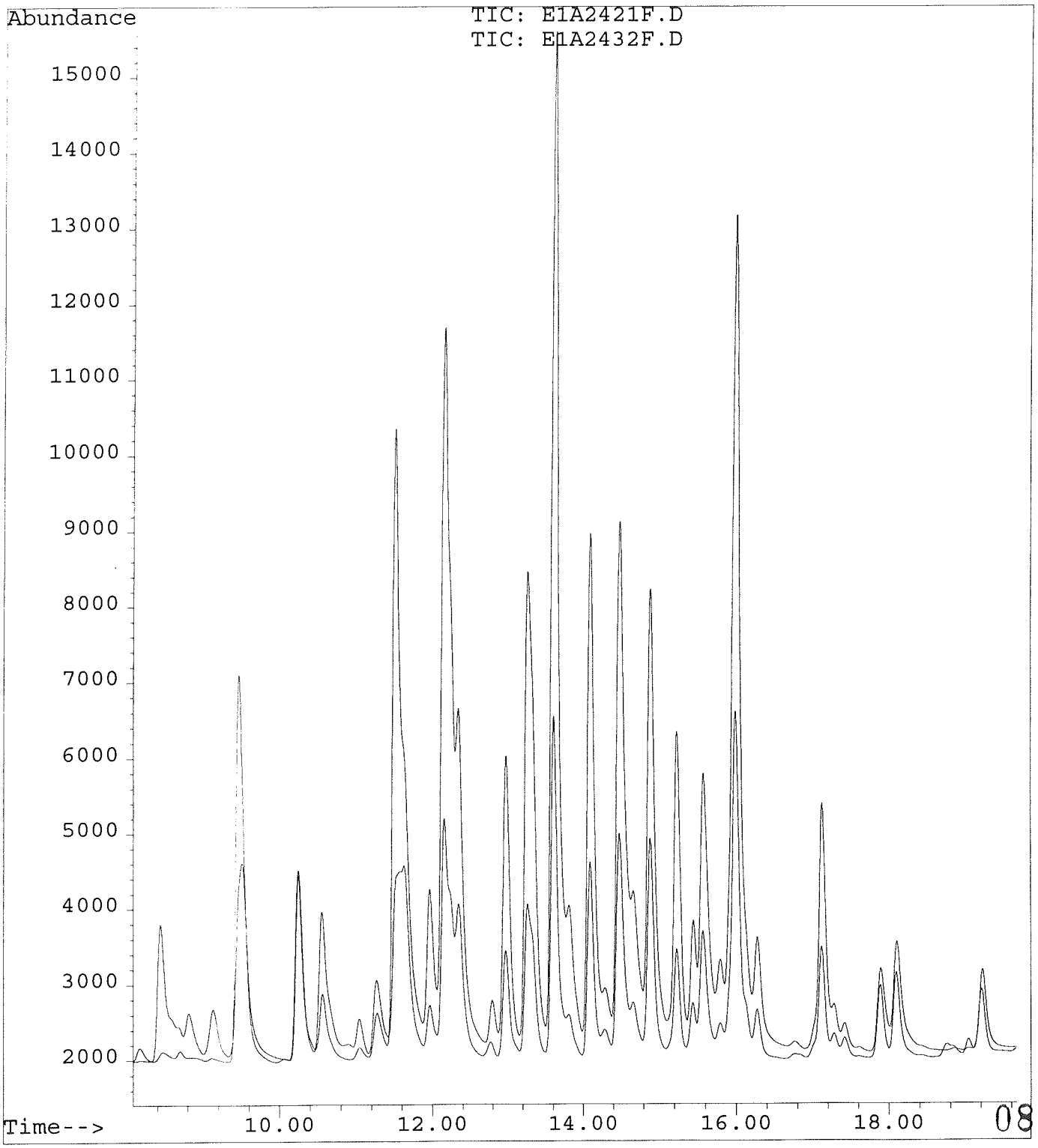
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	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	31778	28006	134.367	125.882
				Recovery	=	335.92%	314.71%
2) S	Decachlorobiphenyl	22.44	31.34	26289	12769	116.069m	103.459m
				Recovery	=	290.17%	258.65%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.d	N.D.d
4) M	2,2',3,3',4,4'-Hexa	0.00	0.00	0	0	N.D.	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.d	N.D.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	3.41	5.85	12338	10409	1280.881	1352.248
9) L2	Aroclor-1221 {2}	5.27	8.34	11636	10465	1713.926	1643.896
10) L2	Aroclor-1221 {3}	5.86	9.12	29440	23856	1657.089	1605.231
Total	Aroclor-1221			53415	44731	4651.896	4601.375
Average	Aroclor-1221					1550.632	1533.792
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

004

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

File : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D
Operator : JS/GML
Acquired : 19 Sep 97 06:57 PM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DE,AR1254DE,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 4



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D\E1A2438R.D
Acq On : 20 Sep 97 06:27 AM Operator: JS/GML
Sample : D1422-10,4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8824	8050	41.386	40.130	
					Recovery	=	103.47%	100.33%	
2)	S	Decachlorobiphenyl	22.43	31.32	7626	3561	31.216	29.823	
					Recovery	=	78.04%	74.56%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.46	12.03	771	860	10.791	12.106	
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	836	669	5.343	4.258	
5)	L1	Aroclor-1016	6.98	10.66	197	215	7.205	8.081	
6)	L1	Aroclor-1016 (2)	8.46	12.03	771	860	20.298	29.783	#
7)	L1	Aroclor-1016 (3)	9.52	12.61	1516	377	70.178	27.423	#
		Total Aroclor-1016			2483	1452	97.681	65.288	
		Average Aroclor-1016					32.560	21.763	
8)	L2	Aroclor-1221	3.43	0.00	99	0	11.591	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	30	17	1.732	1.182	#
		Total Aroclor-1221			129	17	13.323	1.182	
		Average Aroclor-1221					6.662	1.182	
11)	L3	Aroclor-1232	5.89	9.13	30	17	2.244	1.468	#
12)	L3	Aroclor-1232 (2)	6.98	10.66	197	215	16.163	17.342	
13)	L3	Aroclor-1232 (3)	8.46	12.03	771	860	47.833	70.481	#
		Total Aroclor-1232			997	1093	66.240	89.291	
		Average Aroclor-1232					22.080	29.764	
14)	L4	Aroclor-1242	6.98	10.66	197	215	5.364	5.986	
15)	L4	Aroclor-1242 (2)	8.46	12.03	771	860	17.429	22.235	#
16)	L4	Aroclor-1242 (3)	9.52	13.18	1516	1114	53.307	51.257	
17)	L4	Aroclor-1242 (4)	10.26	14.36	1458	1280	59.873	55.909	
18)	L4	Aroclor-1242 (5)	10.56	14.81	1177	1158	59.254	83.224	#
		Total Aroclor-1242			5118	4627	195.227	218.610	
		Average Aroclor-1242					39.045	43.722	
19)	L5	Aroclor-1248	10.26	15.33	1458	1187	62.083	60.606	

030

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D\E1A2438R.D
Acq On : 20 Sep 97 06:27 AM Operator: JS/GML
Sample : D1422-10,4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	1177	1102	60.480	55.398	
21) L5	Aroclor-1248 {3}	11.64	16.56	1399	750	60.304	49.125	
Total	Aroclor-1248			4034	3039	182.867	165.129	
Average	Aroclor-1248					60.956	55.043	
22) L6	Aroclor-1254	13.62	17.93	2478	2707	42.289	41.075	
23) L6	Aroclor-1254 {2}	14.10	18.38	1510	1718	49.728	48.635	
24) L6	Aroclor-1254 {3}	14.49	18.56	1515	1385	48.420	48.599	
25) L6	Aroclor-1254 (4)	14.89	18.88	1606	1553	59.805	54.104	
26) L6	Aroclor-1254 (5)	16.00	20.42	2486	2179	51.405	48.985	
Total	Aroclor-1254			9595	9542	251.648	241.398	
Average	Aroclor-1254					50.330	48.280	
27) L7	Aroclor-1260	17.12	21.82	836	236	30.243	9.607	#
28) L7	Aroclor-1260 {2}	18.10	22.31	591	636	11.645	11.124	
29) L7	Aroclor-1260 {3}	19.22	24.21	471	344	12.622	14.382	
Total	Aroclor-1260			1898	1215	54.510	35.113	
Average	Aroclor-1260					18.170	11.704	

1254

GL

$$\frac{241.398 * 10}{5 * 1000} = 0.48 \ \mu g/100cm^2$$

091

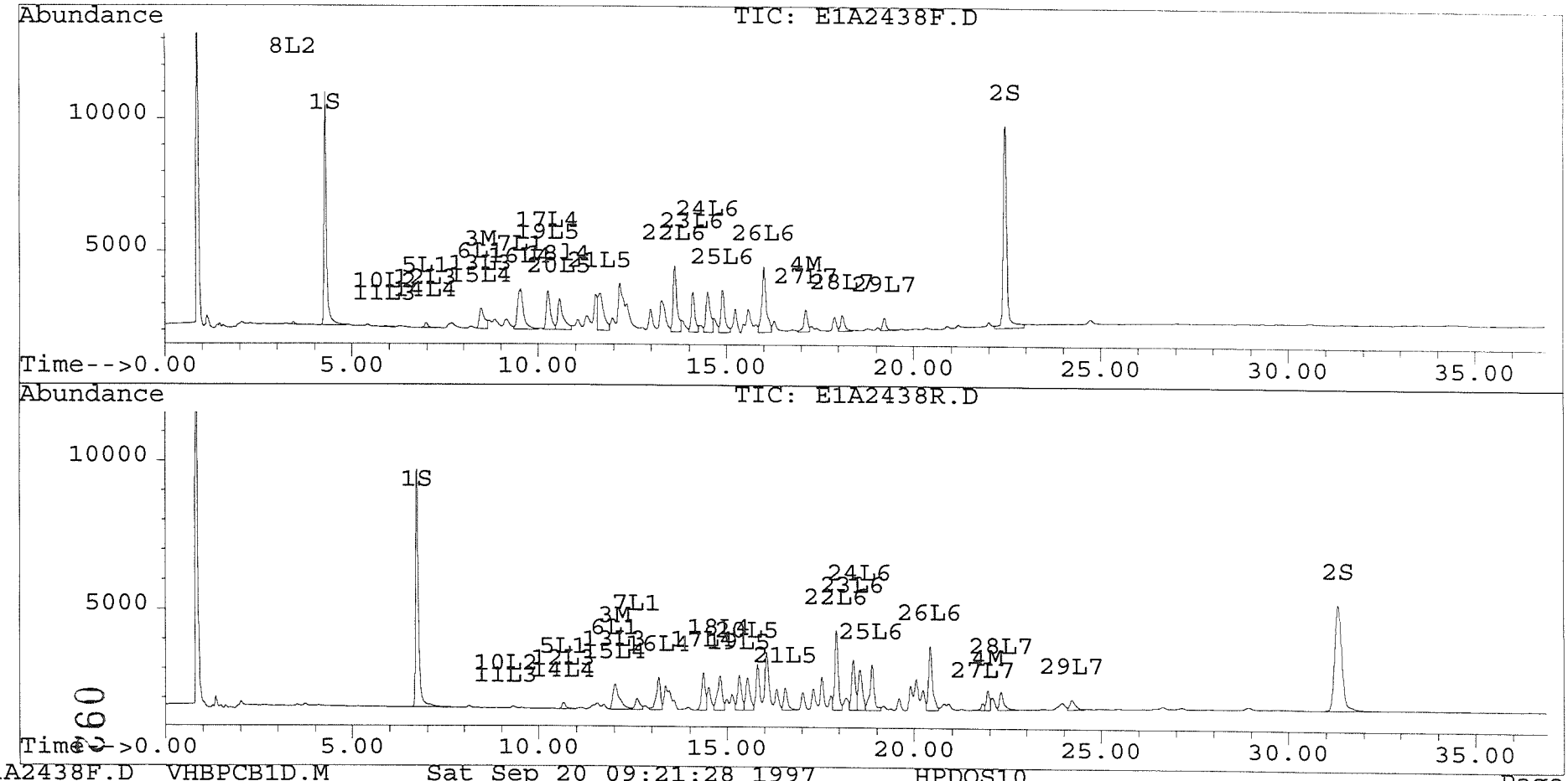
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2438F.D VHBPCB1D.M Sat Sep 20 09:21:19 1997 HPDOS10 Page 2

Quantitation Report

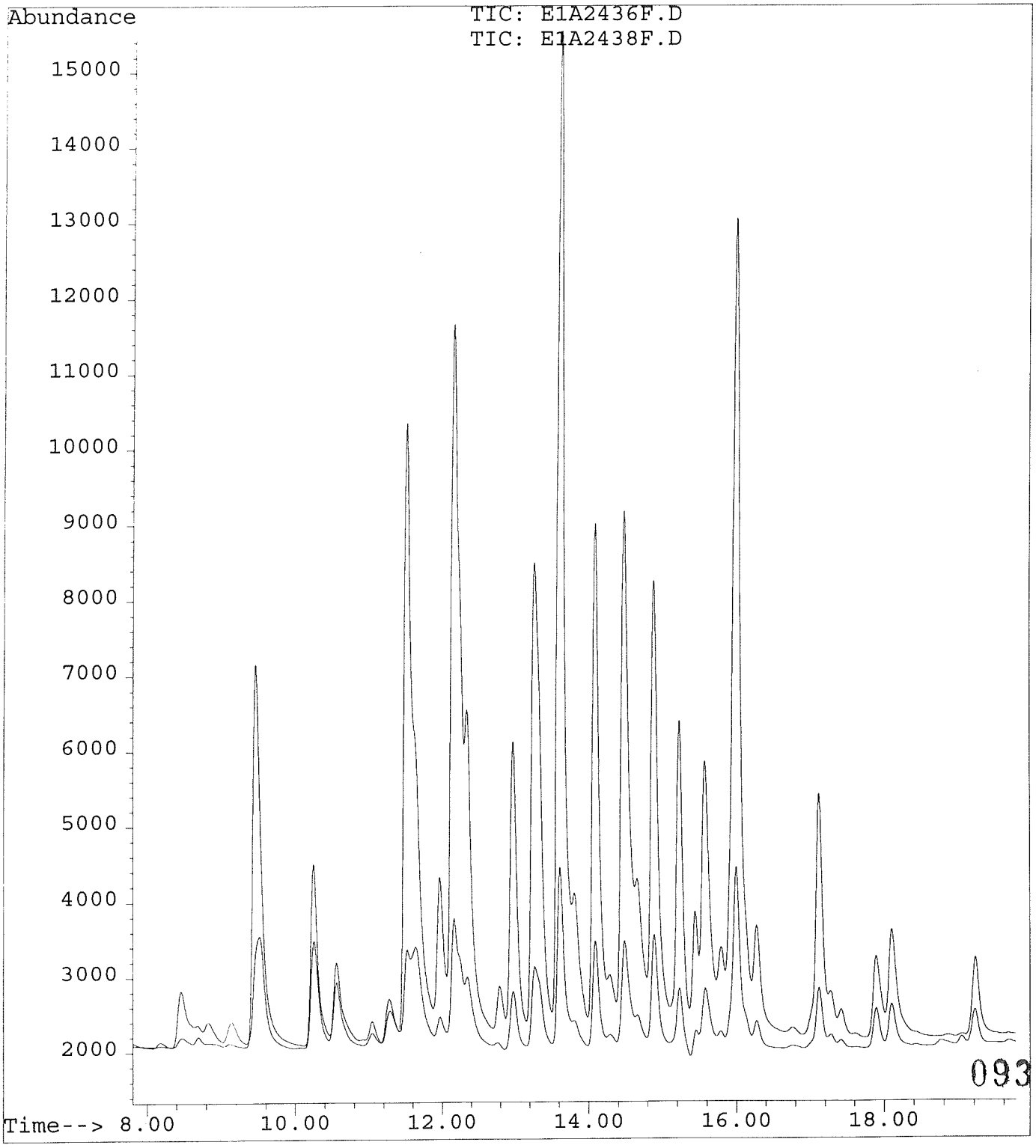
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D Vial: 21
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2438F.D\E1A2438R.D
Acq On : 20 Sep 97 06:27 AM Operator: JS/GML
Sample : D1422-10,4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2436F.D
Operator : JS/GML
Acquired : 20 Sep 97 05:06 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DF,AR1254DF,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 19



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D\E1A2439R.D
Acq On : 20 Sep 97 07:07 AM Operator: JS/GML
Sample : D1422-11,D4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9346	8315	43.835	41.452	
					Recovery	=	109.59%	103.63%	
2)	S	Decachlorobiphenyl	22.43	31.32	7746	3624	31.706	30.354	
					Recovery	=	79.27%	75.89%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.46	12.02	647	745	9.061	10.493	
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	740	613	4.731	3.902	
5)	L1	Aroclor-1016	6.98	10.65	160	177	5.877	6.632	
6)	L1	Aroclor-1016 (2)	8.46	12.02	647	745	17.044	25.814	#
7)	L1	Aroclor-1016 (3)	9.51	12.61	1288	325	59.649	23.698	#
	Total	Aroclor-1016			2096	1247	82.570	56.144	
	Average	Aroclor-1016					27.523	18.715	
8)	L2	Aroclor-1221	3.43	0.00	76	0	8.975	N.D.	#
9)	L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.	
10)	L2	Aroclor-1221 (3)	5.94f	0.00	48	0	2.740	N.D.	#
	Total	Aroclor-1221			124	0	11.715	N.D.	
	Average	Aroclor-1221					5.858	0.000	
11)	L3	Aroclor-1232	5.94f	0.00	48	0	3.550	N.D.	#
12)	L3	Aroclor-1232 (2)	6.98	10.65	160	177	13.183	14.232	
13)	L3	Aroclor-1232 (3)	8.46	12.02	647	745	40.164	61.090	#
	Total	Aroclor-1232			855	922	56.897	75.322	
	Average	Aroclor-1232					18.966	37.661	
14)	L4	Aroclor-1242	6.98	10.65	160	177	4.375	4.912	
15)	L4	Aroclor-1242 (2)	8.46	12.02	647	745	14.634	19.272	#
16)	L4	Aroclor-1242 (3)	9.51	13.18	1288	966	45.309	44.478	
17)	L4	Aroclor-1242 (4)	10.25	14.36	1245	1148	51.154	50.122	
18)	L4	Aroclor-1242 (5)	10.56	14.81	1013	1047	51.003	75.215	#
	Total	Aroclor-1242			4354	4083	166.476	193.999	
	Average	Aroclor-1242					33.295	38.800	
19)	L5	Aroclor-1248	10.25	15.33	1245	1064	53.043	54.303	

094

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D\E1A2439R.D
Acq On : 20 Sep 97 07:07 AM Operator: JS/GML
Sample : D1422-11,D4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	1013	994	52.058	49.994	
21) L5	Aroclor-1248 {3}	11.64	16.56	1195	744	51.509	48.714	
Total	Aroclor-1248			3454	2802	156.610	153.011	
Average	Aroclor-1248					52.203	51.004	
22) L6	Aroclor-1254	13.61	17.93	2204	2491	37.605	37.801	
23) L6	Aroclor-1254 {2}	14.09	18.37	1327	1599	43.701	45.278	
24) L6	Aroclor-1254 {3}	14.49	18.56	1287	1287	41.128	45.141	
25) L6	Aroclor-1254 (4)	14.89	18.88	1378	1406	51.345	48.992	✓
26) L6	Aroclor-1254 (5)	16.00	20.42	2179	1991	45.070	44.748	
Total	Aroclor-1254			8375	8774	218.848	221.960	
Average	Aroclor-1254					43.770	44.392	
27) L7	Aroclor-1260	17.12	21.82	740	217	26.777	8.851	#
28) L7	Aroclor-1260 {2}	18.10	22.31	514	578	10.114	10.120	
29) L7	Aroclor-1260 {3}	19.22	24.21	418	330	11.218	13.806	
Total	Aroclor-1260			1672	1126	48.109	32.777	
Average	Aroclor-1260					16.036	10.926	

1254.

$$\frac{218.848 * 10}{5 * 1000} = 0.44 \ (\mu g/100 cm^2)$$

095

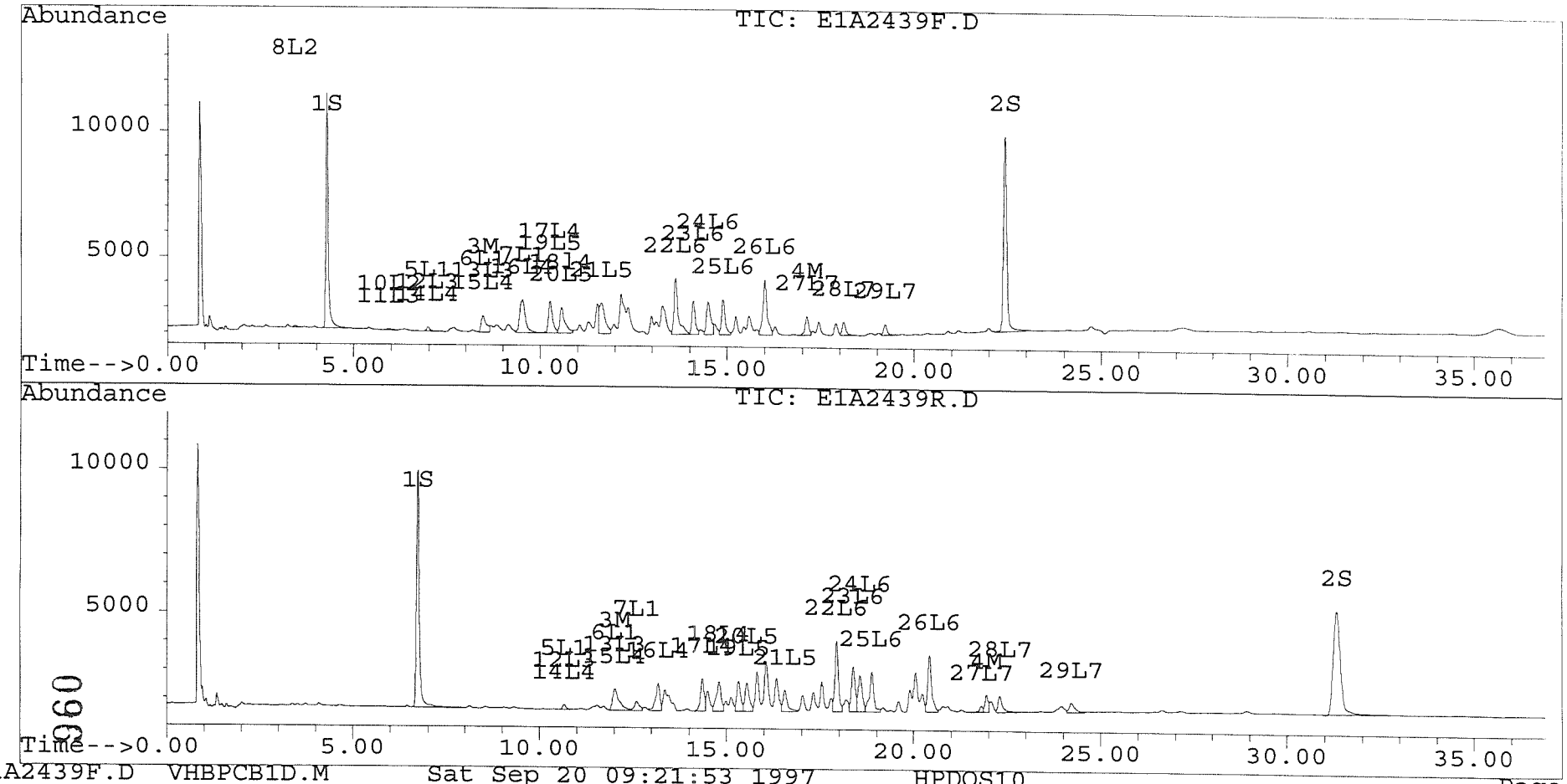
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2439F.D VHBPCB1D.M Sat Sep 20 09:21:45 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D Vial: 22
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2439F.D\E1A2439R.D
Acq On : 20 Sep 97 07:07 AM Operator: JS/GML
Sample : D1422-11,D4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:21 1997

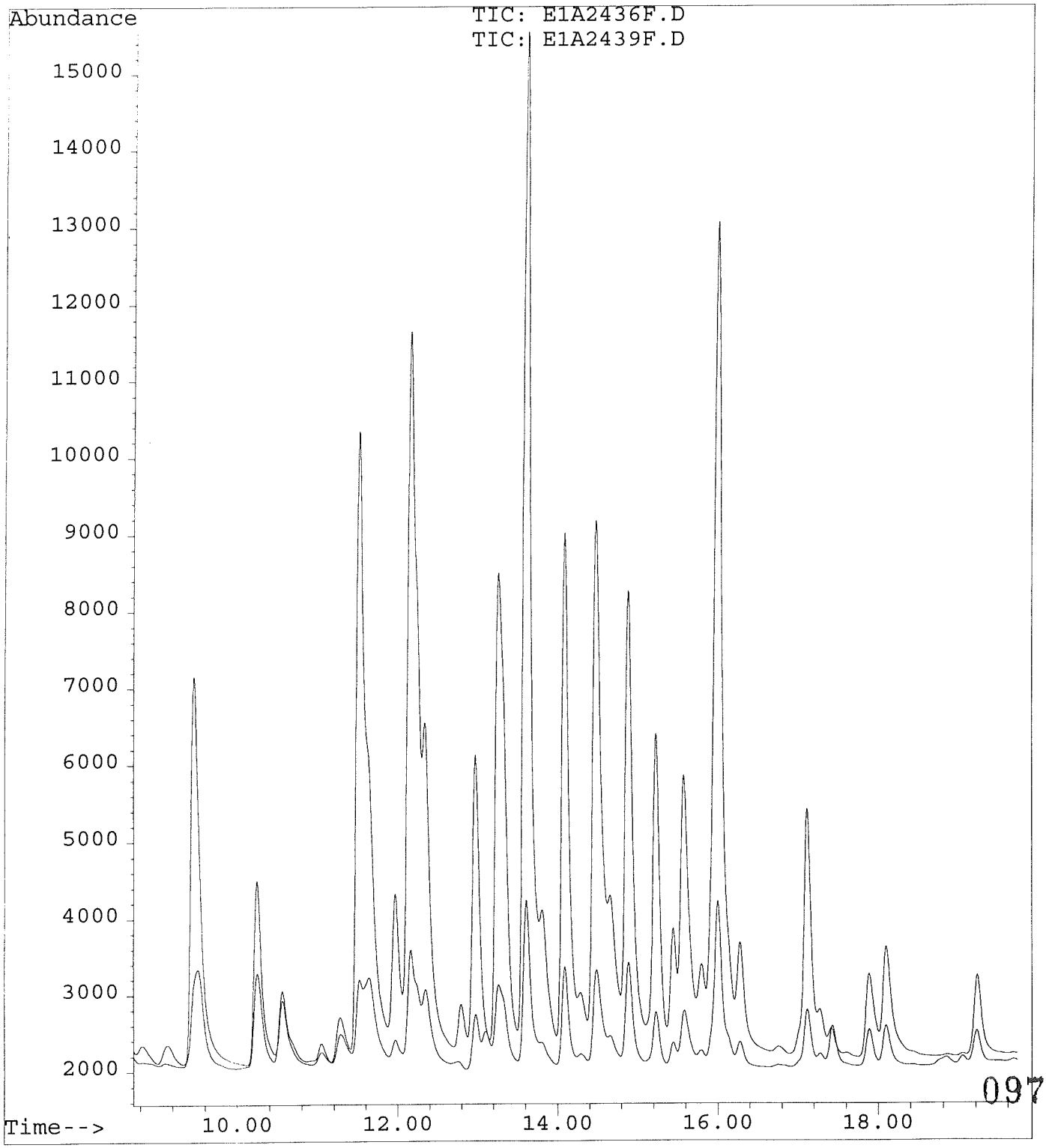
Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



960

File : C:\HPCHEM\5\DATA\SEP97\970919\E1A2436F.D
Operator : JS/GML
Acquired : 20 Sep 97 05:06 AM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DF,AR1254DF,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 19



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D\E1A2440R.D
Acq On : 20 Sep 97 07:48 AM Operator: JS/GML
Sample : D1422-12,SB4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9392	8439	44.053	42.068
				Recovery	=	110.13%	105.17%
2) S	Decachlorobiphenyl	22.43	31.32	7668	3622	31.388	30.333
				Recovery	=	78.47%	75.83%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	0.00	0	0	N.D.	N.D.
4) M	2,2',3,3',4,4'-Hexa	0.00	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	81	0	9.506	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			81	0	9.506	N.D.
Average	Aroclor-1221					9.506	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.

098

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D\E1A2440R.D
Acq On : 20 Sep 97 07:48 AM Operator: JS/GML
Sample : D1422-12,SB4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	18.36	0	7	N.D.	0.197 #
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.	0.197
Average	Aroclor-1254					0.000	0.197
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

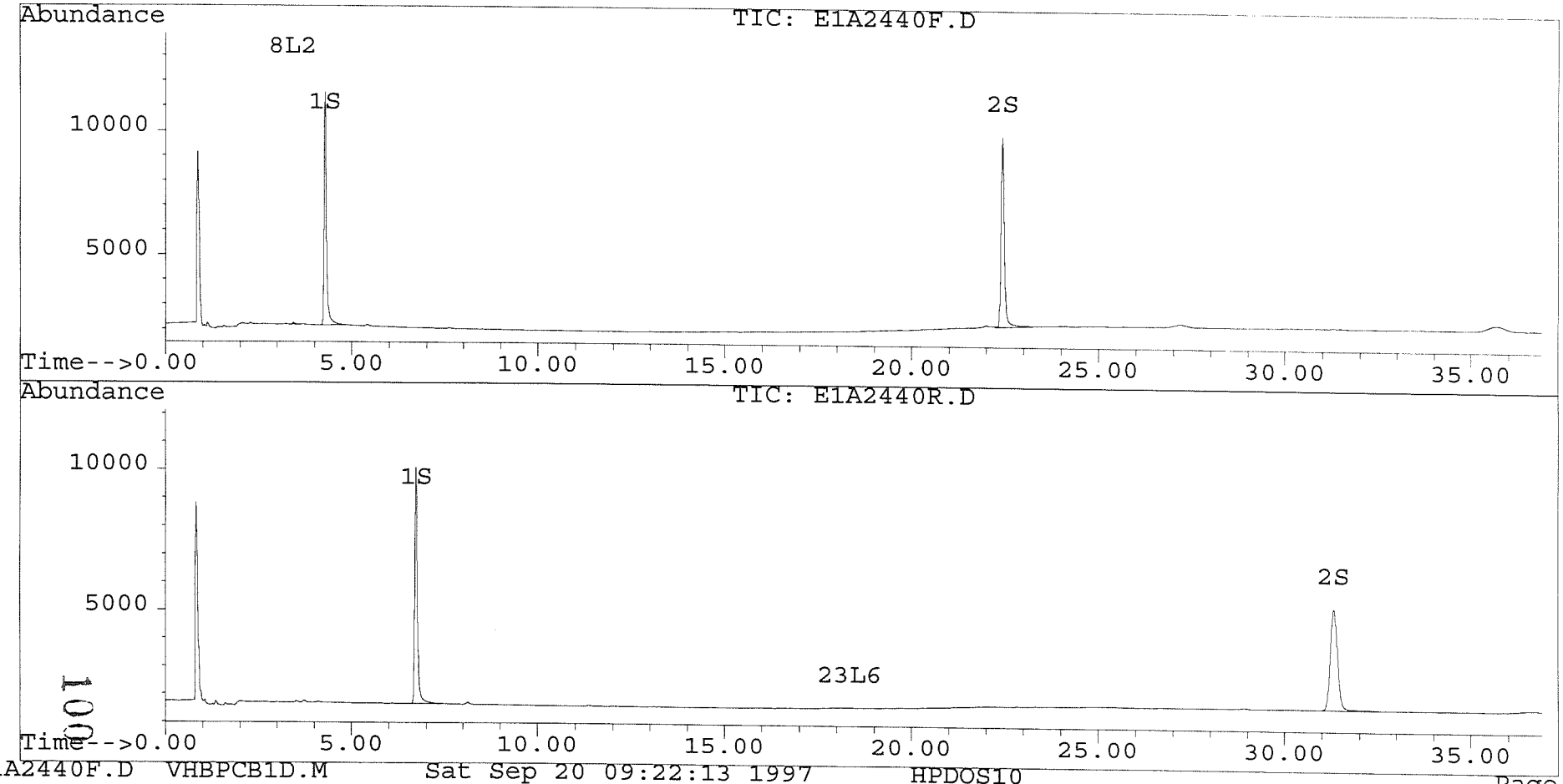
099

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D Vial: 23
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2440F.D\E1A2440R.D
Acq On : 20 Sep 97 07:48 AM Operator: JS/GML
Sample : D1422-12,SB4WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



100

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D\E1A2441R.D
Acq On : 20 Sep 97 08:28 AM Operator: JS/GML
Sample : D1422-13,ST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9329	8384	43.756	41.793	
				Recovery	=	109.39%	104.48%	
2) S	Decachlorobiphenyl	22.43	31.32	7651	3633	31.319	30.429	
				Recovery	=	78.30%	76.07%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.47	12.03	127	176	1.781	2.480	#
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	195	201	1.249	1.276	
5) L1	Aroclor-1016	6.98	10.66	46	54	1.671	2.019	
6) L1	Aroclor-1016 (2)	8.47	12.03	127	176	3.349	6.100	#
7) L1	Aroclor-1016 (3)	9.52	12.61	177	74	8.209	5.373	#
Total	Aroclor-1016			350	304	13.230	13.492	
Average	Aroclor-1016					4.410	4.497	
8) L2	Aroclor-1221	3.43	0.00	75	0	8.874	N.D.	#
9) L2	Aroclor-1221 (2)	0.00	0.00	0	0	N.D.	N.D.	
10) L2	Aroclor-1221 (3)	5.93f	0.00	22	0	1.268	N.D.	#
Total	Aroclor-1221			97	0	10.142	N.D.	
Average	Aroclor-1221					5.071	0.000	
11) L3	Aroclor-1232	5.93f	0.00	22	0	1.643	N.D.	#
12) L3	Aroclor-1232 (2)	6.98	10.66	46	54	3.749	4.332	
13) L3	Aroclor-1232 (3)	8.47	12.03	127	176	7.892	14.437	#
Total	Aroclor-1232			195	230	13.284	18.768	
Average	Aroclor-1232					4.428	9.384	
14) L4	Aroclor-1242	6.98	10.66	46	54	1.244	1.495	
15) L4	Aroclor-1242 (2)	8.47	12.03	127	176	2.876	4.554	#
16) L4	Aroclor-1242 (3)	9.52	13.18	177	184	6.236	8.462	#
17) L4	Aroclor-1242 (4)	10.26	14.36	169	206	6.941	9.017	#
18) L4	Aroclor-1242 (5)	10.57	14.81	150	176	7.545	12.610	#
Total	Aroclor-1242			669	796	24.842	36.138	
Average	Aroclor-1242					4.968	7.228	
19) L5	Aroclor-1248	10.26	15.33	169	189	7.197	9.644	#

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D\E1A2441R.D
Acq On : 20 Sep 97 08:28 AM Operator: JS/GML
Sample : D1422-13,ST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	150	174	7.701	8.726	
21) L5 Aroclor-1248 {3}	11.66	16.56	197	156	8.475	10.207	
Total Aroclor-1248			516	518	23.373	28.577	
Average Aroclor-1248					7.791	9.526	
22) L6 Aroclor-1254	13.62	17.93	396	447	6.764	6.779	
23) L6 Aroclor-1254 {2}	14.10	18.38	260	289	8.567	8.186	
24) L6 Aroclor-1254 {3}	14.51	18.56	227	234	7.247	8.219	
25) L6 Aroclor-1254 (4)	14.89	18.88	268	276	9.978	9.617	
26) L6 Aroclor-1254 (5)	16.01	20.43	421	424	8.706	9.525	
Total Aroclor-1254			1572	1670	41.262	42.326	
Average Aroclor-1254					8.252	8.465	
27) L7 Aroclor-1260	17.12	21.82	195	98	7.069	3.998	#
28) L7 Aroclor-1260 {2}	18.11	22.31	106	175	2.095	3.058	#
29) L7 Aroclor-1260 {3}	19.22	24.21	90	82	2.406	3.420	#
Total Aroclor-1260			391	355	11.570	10.476	
Average Aroclor-1260					3.857	3.492	

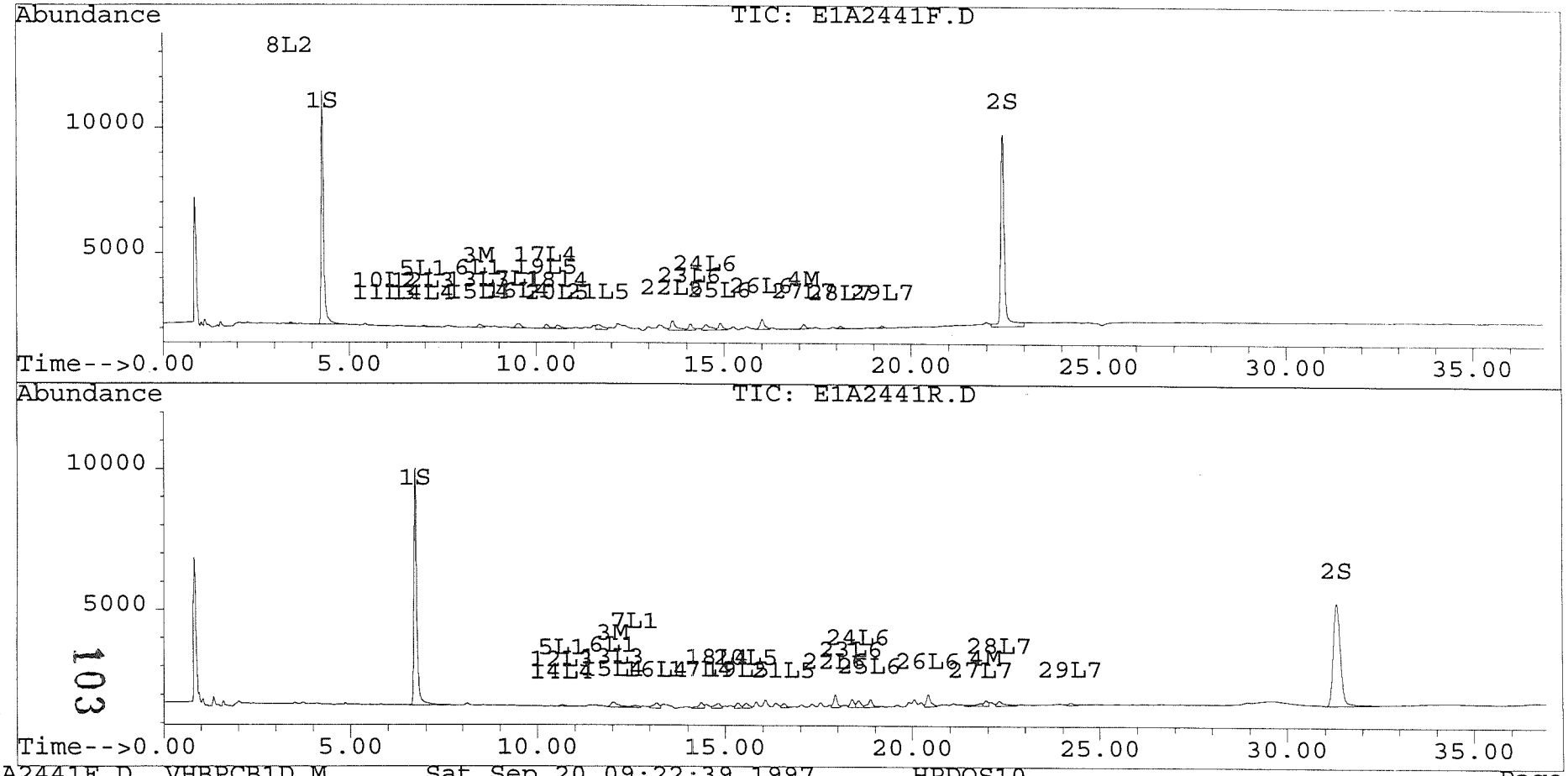
GC

102

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D Vial: 24
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2441F.D\E1A2441R.D
Acq On : 20 Sep 97 08:28 AM Operator: JS/GML
Sample : D1422-13,ST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:22 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2442F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2442F.D\E1A2442R.D
Acq On : 20 Sep 97 09:09 AM Operator: JS/GML
Sample : D1422-14,ST-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9601	8618	45.031	42.959
				Recovery	=	112.58%	107.40%
2) S	Decachlorobiphenyl	22.43	31.32	7806	3742	31.950	31.342
				Recovery	=	79.88%	78.35%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.03	16	18	0.222	0.258
4) M	2,2',3,3',4,4'-Hexa	17.12	21.97	49	47	0.313	0.298
5) L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6) L1	Aroclor-1016 {2}	8.47	12.03	16	18	0.417	0.636 #
7) L1	Aroclor-1016 {3}	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			16	18	0.417	0.636
Average	Aroclor-1016					0.417	0.636
8) L2	Aroclor-1221	3.43	0.00	67	0	7.878	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			67	0	7.878	N.D.
Average	Aroclor-1221					7.878	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 {2}	0.00	0.00	0	0	N.D.	N.D.
13) L3	Aroclor-1232 {3}	8.47	12.03	16	18	0.982	1.504 #
Total	Aroclor-1232			16	18	0.982	1.504
Average	Aroclor-1232					0.982	1.504
14) L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15) L4	Aroclor-1242 {2}	8.47	12.03	16	18	0.358	0.475 #
16) L4	Aroclor-1242 {3}	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor-1242 (4)	10.25	14.39	25	34	1.043	1.474 #
18) L4	Aroclor-1242 (5)	10.54	0.00	31	0	1.572	N.D. #
Total	Aroclor-1242			72	52	2.972	1.949
Average	Aroclor-1242					0.991	0.974
19) L5	Aroclor-1248	10.25	15.33	25	17	1.081	1.848

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2442F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2442F.D\E1A2442R.D
Acq On : 20 Sep 97 09:09 AM Operator: JS/GML
Sample : D1422-14,ST-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	31	0	1.604	N.D. #
21) L5	Aroclor-1248 (3)	0.00	16.55	0	45	N.D.	2.927 #
Total	Aroclor-1248			57	61	2.686	3.785
Average	Aroclor-1248					1.343	1.892
22) L6	Aroclor-1254	13.62	17.93	63	46	1.075	0.703 #
23) L6	Aroclor-1254 (2)	14.10	18.39	38	34	1.264	0.976
24) L6	Aroclor-1254 (3)	14.53	18.56	21	29	0.661	1.014 #
25) L6	Aroclor-1254 (4)	14.90	18.88	35	32	1.298	1.106
26) L6	Aroclor-1254 (5)	16.01	20.43	59	52	1.212	1.173
Total	Aroclor-1254			215	194	5.509	4.971
Average	Aroclor-1254					1.102	0.994
27) L7	Aroclor-1260	17.12	0.00	49	0	1.769	N.D. #
28) L7	Aroclor-1260 (2)	18.10	22.35f	15	49	0.297	0.850 #
29) L7	Aroclor-1260 (3)	19.23	24.22	10	29	0.266	1.228 #
Total	Aroclor-1260			74	78	2.333	2.079
Average	Aroclor-1260					0.778	1.039

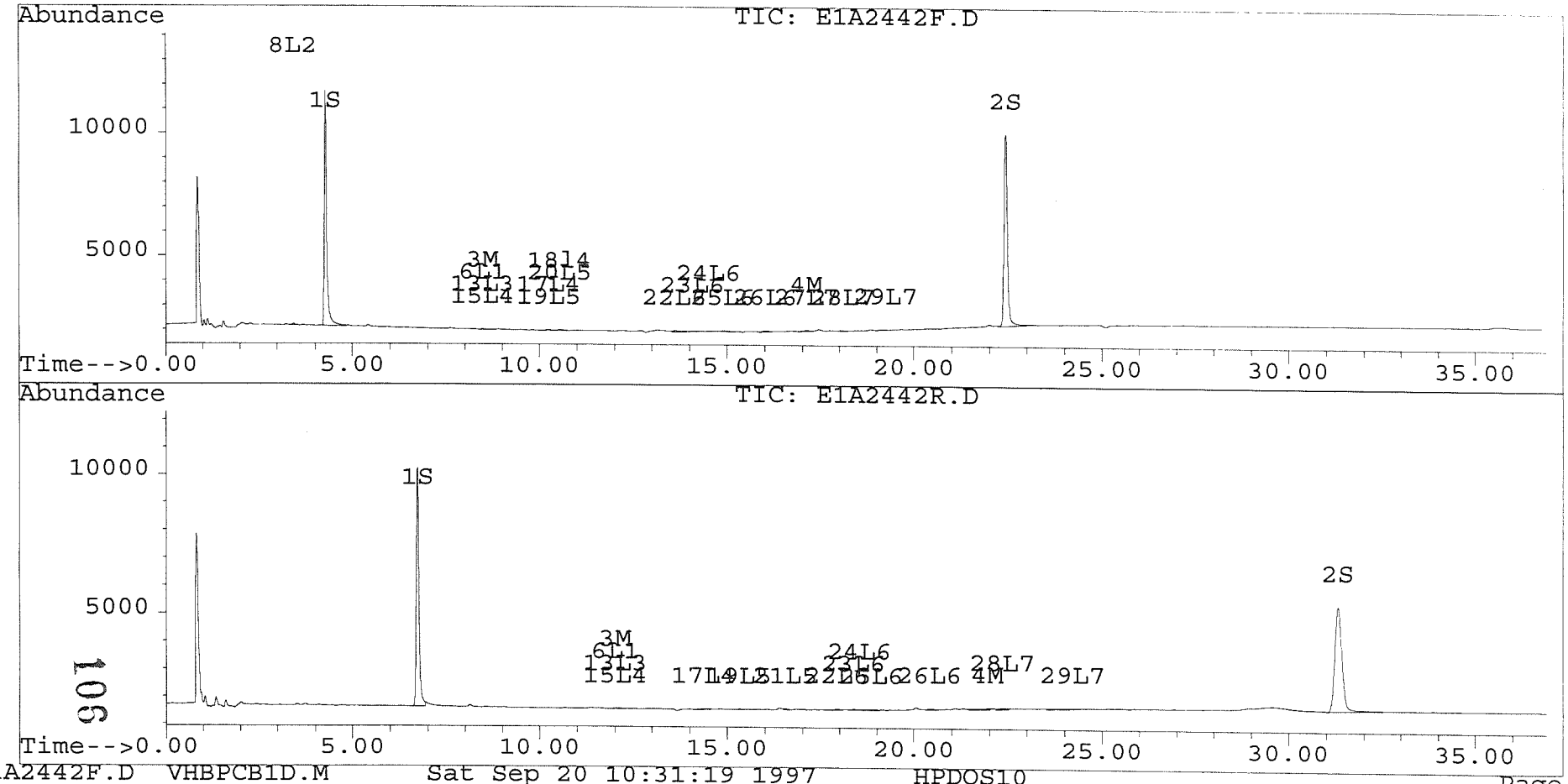
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2442F.D VHBPCB1D.M Sat Sep 20 10:31:12 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2442F.D Vial: 25
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2442F.D\E1A2442R.D
Acq On : 20 Sep 97 09:09 AM Operator: JS/GML
Sample : D1422-14,ST-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,3000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2443F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2443F.D\E1A2443R.D
Acq On : 20 Sep 97 09:50 AM Operator: JS/GML
Sample : D1422-15,SBST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8658	7823	40.609	39.000
				Recovery	=	101.52%	97.50%
2) S	Decachlorobiphenyl	22.43	31.32	7201	3427	29.475	28.699
				Recovery	=	73.69%	71.75%
	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	91	0	10.706	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			91	0	10.706	N.D.
	Average Aroclor-1221					10.706	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	14.33	0	52	N.D.	2.284 #
18) L4	Aroclor-1242 (5)	10.53f	0.00	15	0	0.778	N.D. #
	Total Aroclor-1242			15	52	0.778	2.284
	Average Aroclor-1242					0.778	2.284
19) L5	Aroclor-1248	0.00	0.00	0	0	N.D.	N.D.

GL

107

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2443F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2443F.D\E1A2443R.D
Acq On : 20 Sep 97 09:50 AM Operator: JS/GMI
Sample : D1422-15,SBST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15	0	0.794	N.D
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			15	0	0.794	N.D.
Average Aroclor-1248					0.794	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	0.00
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

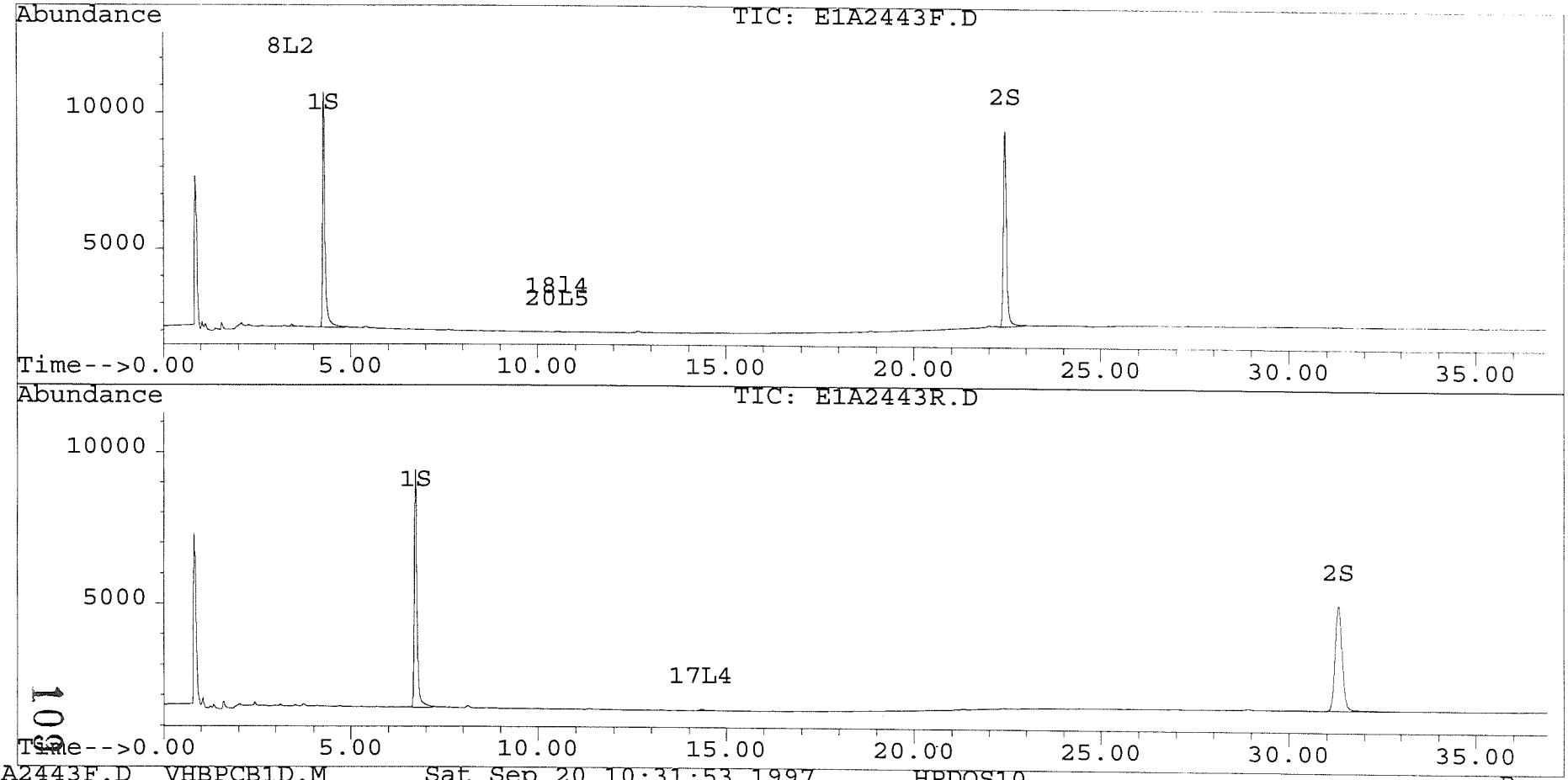
10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2443F.D VHBPCB1D.M Sat Sep 20 10:31:50 1997 HPDOS10 Page

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2443F.D Vial: 26
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2443F.D\E1A2443R.D
Acq On : 20 Sep 97 09:50 AM Operator: JS/GML
Sample : D1422-15,SBST-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 10:31 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2445F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2445F.D\E1A2445R.D
Acq On : 20 Sep 97 11:17 AM Operator: JS
Sample : D1422-16,CW2K-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
	System Monitoring Compounds						
1) S	Tetrachloro-m-xylen	4.27	6.72	9888	8848	46.377	44.109
				Recovery	=	115.94%	110.27%
2) S	Decachlorobiphenyl	22.43	31.31	8068	3820	33.024	31.988
				Recovery	=	82.56%	79.97%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.48f	12.04	59	107	0.827	1.511 #
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	85	82	0.545	0.519
5) L1	Aroclor-1016	6.98	10.65	23	25	0.842	0.928
6) L1	Aroclor-1016 (2)	8.48	12.04	59	107	1.555	3.717 #
7) L1	Aroclor-1016 (3)	9.52	12.60	86	41	3.975	2.990
Total	Aroclor-1016			168	173	6.372	7.636
Average	Aroclor-1016					2.124	2.545
8) L2	Aroclor-1221	3.43	0.00	87	0	10.250	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			87	0	10.250	N.D.
Average	Aroclor-1221					10.250	0.000
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 (2)	6.98	10.65	23	25	1.889	1.992
13) L3	Aroclor-1232 (3)	8.48	12.04	59	107	3.664	8.797 #
Total	Aroclor-1232			82	132	5.553	10.789
Average	Aroclor-1232					2.777	5.395
14) L4	Aroclor-1242	6.98	10.65	23	25	0.627	0.688
15) L4	Aroclor-1242 (2)	8.48	12.04	59	107	1.335	2.775 #
16) L4	Aroclor-1242 (3)	9.52	13.18	86	104	3.019	4.800 #
17) L4	Aroclor-1242 (4)	10.26	14.36	85	112	3.483	4.873 #
18) L4	Aroclor-1242 (5)	10.56	14.81	85	102	4.269	7.339 #
Total	Aroclor-1242			337	450	12.733	20.476
Average	Aroclor-1242					2.547	4.095
19) L5	Aroclor-1248	10.26	15.33	85	103	3.611	5.279 #

110

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2445F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2445F.D\E1A2445R.D
Acq On : 20 Sep 97 11:17 AM Operator: JS
Sample : D1422-16,CW2K-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

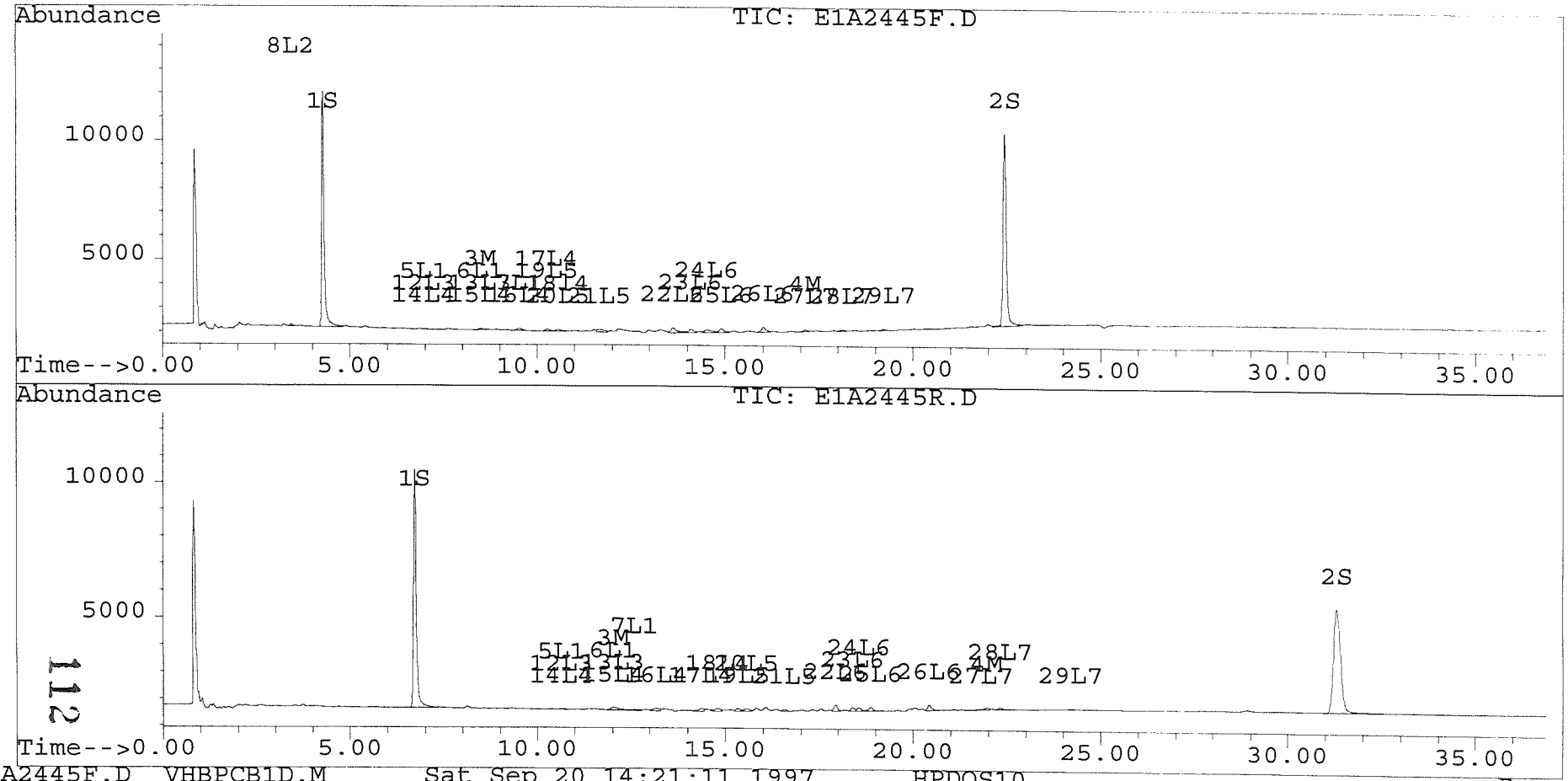
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 (2)	10.56	15.55	85	92	4.358	4.639	
21) L5	Aroclor-1248 (3)	11.66	16.57	105	69	4.524	4.502	
Total	Aroclor-1248			275	264	12.492	14.420	
Average	Aroclor-1248					4.164	4.807	
22) L6	Aroclor-1254	13.62	17.93	209	230	3.562	3.493	
23) L6	Aroclor-1254 (2)	14.10	18.38	143	141	4.721	3.992	
24) L6	Aroclor-1254 (3)	14.52	18.56	115	124	3.664	4.355	
25) L6	Aroclor-1254 (4)	14.90	18.88	167	141	6.239	4.902	
26) L6	Aroclor-1254 (5)	16.01	20.42	213	214	4.403	4.803	
Total	Aroclor-1254			847	850	22.589	21.545	
Average	Aroclor-1254					4.518	4.309	
27) L7	Aroclor-1260	17.12	21.82	85	30	3.087	1.213	#
28) L7	Aroclor-1260 (2)	18.10	22.31	59	74	1.157	1.288	
29) L7	Aroclor-1260 (3)	19.22	24.21	46	36	1.243	1.518	
Total	Aroclor-1260			190	140	5.487	4.018	
Average	Aroclor-1260					1.829	1.339	

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2445F.D Vial: 27
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2445F.D\E1A2445R.D
Acq On : 20 Sep 97 11:17 AM Operator: JS
Sample : D1422-16,CW2K-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



112

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D\E1A2446R.D
Acq On : 20 Sep 97 11:58 AM Operator: JS
Sample : D1422-17,CW2L-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8521	8106	39.969	40.410
					Recovery	=	99.92%	101.03%
2)	S	Decachlorobiphenyl	22.43	31.32	7536	3602	30.849m	30.168
					Recovery	=	77.12%	75.42%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.48f	12.05	39	55	0.540	0.777 #
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.97	46	54	0.293	0.343
5)	L1	Aroclor-1016	0.00	0.00	0	0	N.D.	N.D.
6)	L1	Aroclor-1016 (2)	8.48	12.05	39	55	1.015	1.913 #
7)	L1	Aroclor-1016 (3)	9.52	0.00	61	0	2.843	N.D. #
		Total Aroclor-1016			100	55	3.858	1.913
		Average Aroclor-1016					1.929	1.913
8)	L2	Aroclor-1221	3.43	0.00	73	0	8.580	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	8.580	N.D.
		Average Aroclor-1221					8.580	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 (2)	0.00	0.00	0	0	N.D.	N.D.
13)	L3	Aroclor-1232 (3)	8.48	12.05	39	55	2.392	4.526 #
		Total Aroclor-1232			39	55	2.392	4.526
		Average Aroclor-1232					2.392	4.526
14)	L4	Aroclor-1242	0.00	0.00	0	0	N.D.	N.D.
15)	L4	Aroclor-1242 (2)	8.48	12.05	39	55	0.871	1.428 #
16)	L4	Aroclor-1242 (3)	9.52	13.19	61	54	2.159	2.493
17)	L4	Aroclor-1242 (4)	10.27	14.37	61	67	2.495	2.909
18)	L4	Aroclor-1242 (5)	10.57	14.82	59	59	2.983	4.215 #
		Total Aroclor-1242			220	235	8.509	11.046
		Average Aroclor-1242					2.127	2.761
19)	L5	Aroclor-1248	10.27	15.34	61	53	2.588	2.721

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D\E1A2446R.D
Acq On : 20 Sep 97 11:58 AM Operator: JS
Sample : D1422-17,CW2L-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

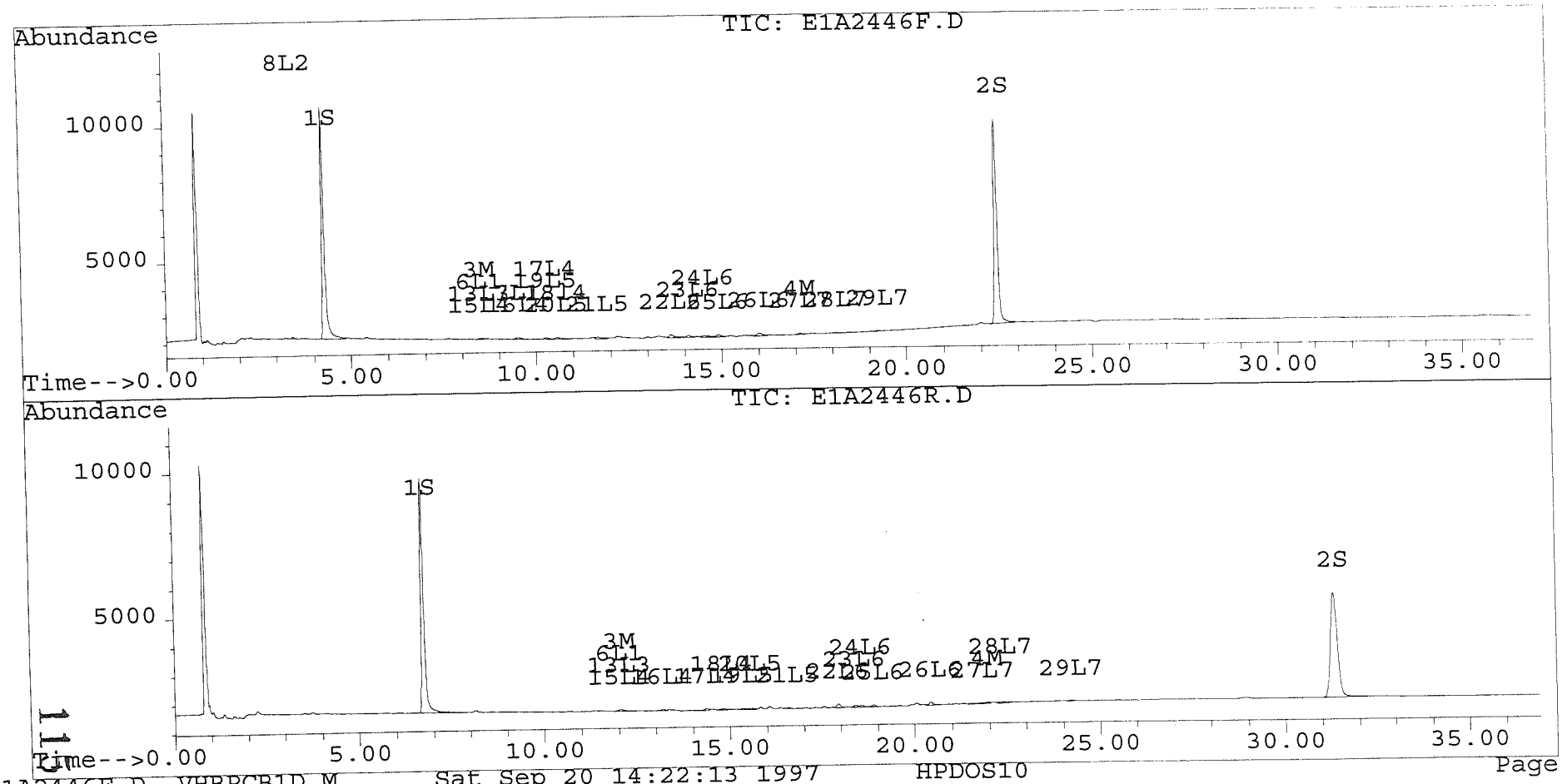
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	10.57	15.56	59	50	3.045	2.539	
21) L5	Aroclor-1248 {3}	11.66	16.57	59	39	2.557	2.550	
Total	Aroclor-1248			179	143	8.190	7.818	
Average	Aroclor-1248					2.730	2.606	
22) L6	Aroclor-1254	13.63	17.94	119	133	2.030	2.017	
23) L6	Aroclor-1254 {2}	14.10	18.39	80	71	2.643	2.007	
24) L6	Aroclor-1254 {3}	14.53	18.56	64	66	2.042	2.324	
25) L6	Aroclor-1254 (4)	14.90	18.88	86	67	3.196	2.348	#
26) L6	Aroclor-1254 (5)	16.02	20.43	108	110	2.235	2.465	
Total	Aroclor-1254			457	447	12.146	11.162	
Average	Aroclor-1254					2.429	2.232	
27) L7	Aroclor-1260	17.13	21.83	46	27	1.658	1.115	#
28) L7	Aroclor-1260 {2}	18.11	22.32	23	52	0.460	0.904	#
29) L7	Aroclor-1260 {3}	19.23	24.22	20	21	0.526	0.864	#
Total	Aroclor-1260			89	100	2.645	2.883	
Average	Aroclor-1260					0.882	0.961	

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D Vial: 28
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2446F.D\E1A2446R.D
Acq On : 20 Sep 97 11:58 AM Operator: JS
Sample : D1422-17,CW2L-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:21 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 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\970919\E1A2447F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2447F.D\E1A2447R.D
Acq On : 20 Sep 97 12:38 PM Operator: JS
Sample : D1422-18,CW2K-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	21033	19118	98.653	95.305
				Recovery	=	246.63%	238.26%
2) S	Decachlorobiphenyl	22.43	31.33	15581	7502	63.779m	62.827
				Recovery	=	159.45%	157.07%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.48f	12.04	148	190	2.072	2.679 #
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	182	193	1.162	1.226
5) L1	Aroclor-1016	6.98	10.66	40	46	1.455	1.723
6) L1	Aroclor-1016 {2}	8.48	12.04	148	190	3.897	6.590 #
7) L1	Aroclor-1016 {3}	9.52	12.61	248	54	11.488	3.931 #
Total	Aroclor-1016			436	290	16.840	12.244
Average	Aroclor-1016					5.613	4.081
8) L2	Aroclor-1221	3.43	0.00	99	0	11.682	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			99	0	11.682	N.D.
Average	Aroclor-1221					11.682	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	40	46	3.263	3.698
13) L3	Aroclor-1232 {3}	8.48	12.04	148	190	9.184	15.594 #
Total	Aroclor-1232			188	236	12.447	19.292
Average	Aroclor-1232					6.224	9.646
14) L4	Aroclor-1242	6.98	10.66	40	46	1.083	1.276
15) L4	Aroclor-1242 {2}	8.48	12.04	148	190	3.346	4.920 #
16) L4	Aroclor-1242 {3}	9.52	13.19	248	206	8.727	9.479
17) L4	Aroclor-1242 (4)	10.27	14.37	229	241	9.413	10.548
18) L4	Aroclor-1242 (5)	10.57	14.82	196	211	9.871	15.139 #
Total	Aroclor-1242			861	894	32.440	41.361
Average	Aroclor-1242					6.488	8.272
19) L5	Aroclor-1248	10.27	15.34	229	227	9.761	11.589

double spike

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2447F.D VHBPCB1D.M Sat Sep 20 14:24:48 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2447F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2447F.D\E1A2447R.D
Acq On : 20 Sep 97 12:38 PM Operator: JS
Sample : D1422-18,CW2K-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
:0) L5	Aroclor-1248 {2}	10.57	15.56	196	209	10.075	10.517	
21) L5	Aroclor-1248 {3}	11.65	16.57	243	154	10.460	10.085	
Total	Aroclor-1248			668	590	30.296	32.191	
verage	Aroclor-1248					10.099	10.730	
22) L6	Aroclor-1254	13.63	17.94	503	620	8.587	9.415	
23) L6	Aroclor-1254 {2}	14.10	18.39	325	340	10.691	9.618	
24) L6	Aroclor-1254 {3}	14.51	18.56	238	334	7.613	11.700	#
25) L6	Aroclor-1254 (4)	14.90	18.88	324	372	12.066	12.956	
26) L6	Aroclor-1254 (5)	16.01	20.43	512	524	10.584	11.778	
Total	Aroclor-1254			1902	2189	49.542	55.467	
Average	Aroclor-1254					9.908	11.093	
27) L7	Aroclor-1260	17.13	21.83	182	84	6.579	3.423	#
28) L7	Aroclor-1260 {2}	18.11	22.32	130	194	2.561	3.397	#
29) L7	Aroclor-1260 {3}	19.22	24.22	114	97	3.045	4.075	#
Total	Aroclor-1260			425	376	12.184	10.895	
verage	Aroclor-1260					4.061	3.632	

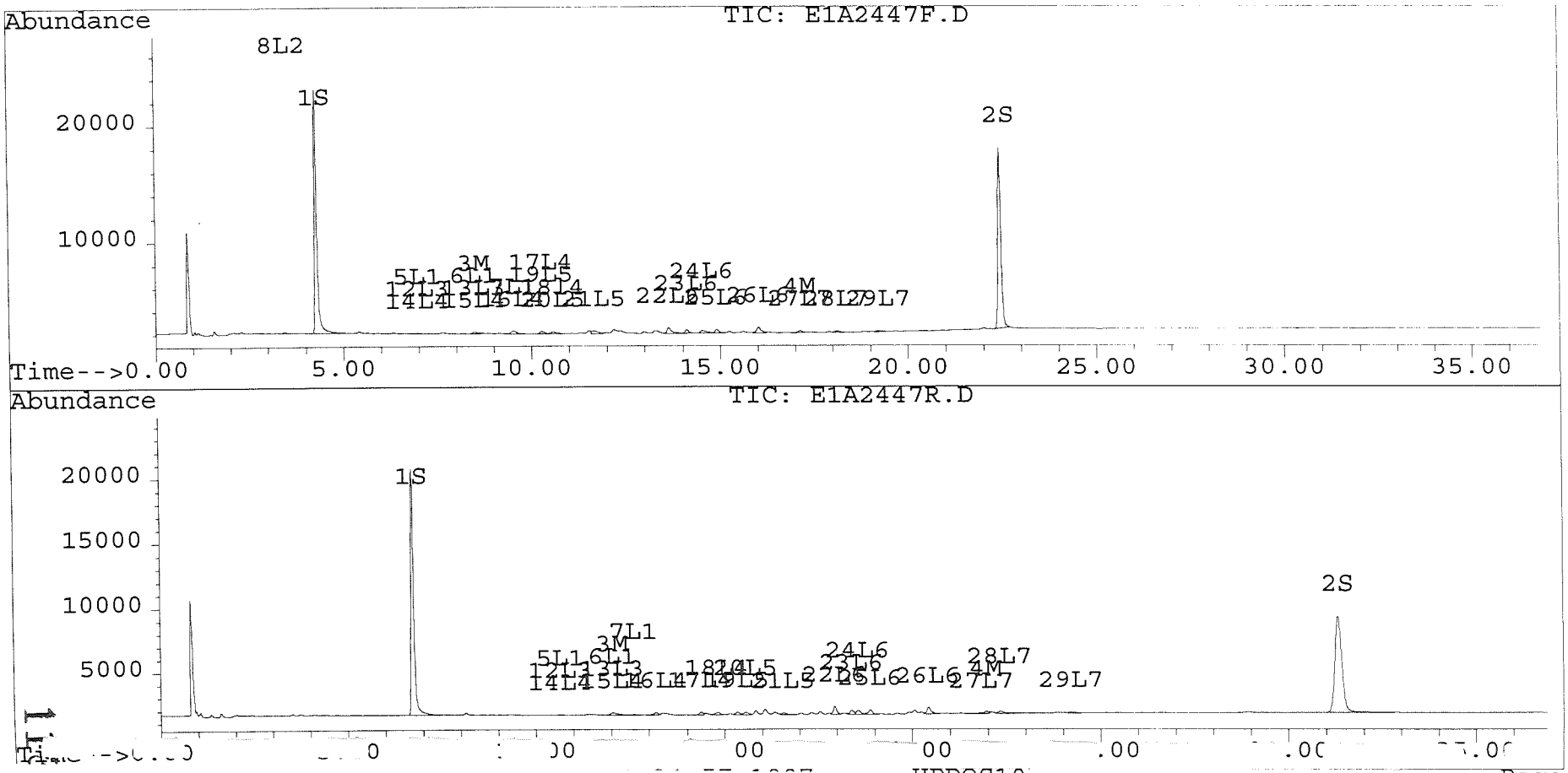
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2447F.D Vial: 29
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2447F.D\E1A2447R.D
Acq On : 20 Sep 97 12:38 PM Operator: JS
Sample : D1422-18,CW2K-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2448F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2448F.D\E1A2448R.D
Acq On : 20 Sep 97 01:19 PM Operator: JS
Sample : D1422-19,CW2L-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8448	7725	39.626	38.508
					Recovery	=	99.07%	96.27%
2)	S	Decachlorobiphenyl	22.43	31.32	7188	3377	29.421	28.281
					Recovery	=	73.55%	70.70%
		Target Compounds						
3)	M	2,4,4'-Trichlorobip	8.48f	12.05	64	94	0.900	1.327 #
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	78	75	0.500	0.479
5)	L1	Aroclor-1016	6.98	10.66	28	37	1.027	1.372 #
6)	L1	Aroclor-1016 (2)	8.48	12.05	64	94	1.694	3.265 #
7)	L1	Aroclor-1016 (3)	9.52	12.61	103	18	4.780	1.300 #
		Total Aroclor-1016			196	149	7.500	5.938
		Average Aroclor-1016					2.500	1.979
8)	L2	Aroclor-1221	3.43	0.00	61	0	7.161	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			61	0	7.161	N.D.
		Average Aroclor-1221					7.161	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	28	37	2.303	2.944 #
13)	L3	Aroclor-1232 (3)	8.48	12.05	64	94	3.991	7.728 #
		Total Aroclor-1232			92	131	6.294	10.672
		Average Aroclor-1232					3.147	5.336
14)	L4	Aroclor-1242	6.98	10.66	28	37	0.764	1.016 #
15)	L4	Aroclor-1242 (2)	8.48	12.05	64	94	1.454	2.438 #
16)	L4	Aroclor-1242 (3)	9.52	13.18	103	89	3.631	4.094
17)	L4	Aroclor-1242 (4)	10.27	14.37	95	96	3.895	4.202
18)	L4	Aroclor-1242 (5)	10.57	14.81	78	85	3.927	6.137 #
		Total Aroclor-1242			368	401	13.672	17.888
		Average Aroclor-1242					2.734	3.578
19)	L5	Aroclor-1248	10.27	15.34	95	82	4.039	4.200

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2448F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2448F.D\E1A2448R.D
Acq On : 20 Sep 97 01:19 PM Operator: JS
Sample : D1422-19,CW2L-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

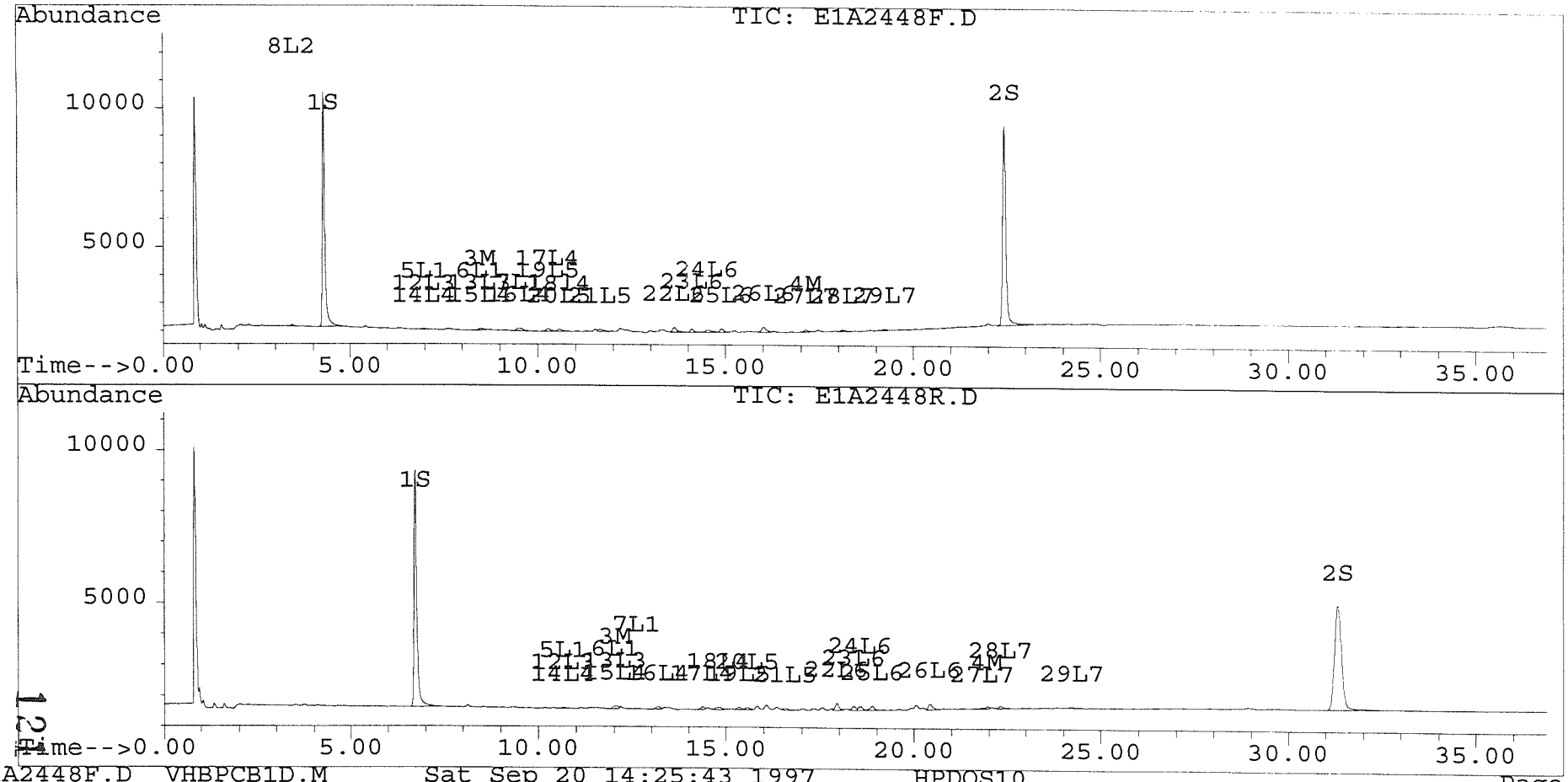
Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 MM

	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 (2)	10.57	15.56	78	76	4.009	3.834	
21) L5	Aroclor-1248 (3)	11.66	16.57	79	62	3.416	4.041	
Total	Aroclor-1248			252	220	11.464	12.075	
Average	Aroclor-1248					3.821	4.025	
22) L6	Aroclor-1254	13.63	17.94	176	233	3.010	3.533	
23) L6	Aroclor-1254 (2)	14.10	18.39	114	128	3.766	3.626	
24) L6	Aroclor-1254 (3)	14.52	18.56	79	127	2.540	4.472	#
25) L6	Aroclor-1254 (4)	14.90	18.88	126	141	4.689	4.915	
26) L6	Aroclor-1254 (5)	16.01	20.43	189	200	3.905	4.497	
Total	Aroclor-1254			685	830	17.909	21.044	
Average	Aroclor-1254					3.582	4.209	
27) L7	Aroclor-1260	17.13	21.83	78	29	2.832	1.197	#
28) L7	Aroclor-1260 (2)	18.11	22.32	57	80	1.126	1.400	
29) L7	Aroclor-1260 (3)	19.22	24.22	44	28	1.176	1.179	
Total	Aroclor-1260			179	138	5.134	3.776	
Average	Aroclor-1260					1.711	1.259	

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2448F.D Vial: 30
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2448F.D\E1A2448R.D
Acq On : 20 Sep 97 01:19 PM Operator: JS
Sample : D1422-19,CW2L-6,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,1000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 14:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2454F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2454F.D\E1A2454R.D
Acq On : 20 Sep 97 05:37 PM Operator: JS
Sample : D1422-20,SG-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8988	8255	42.158	41.150	
					Recovery	=	105.40%	102.88%	
2)	S	Decachlorobiphenyl	22.43	31.33	7716	3632	31.585	30.414	
					Recovery	=	78.96%	76.04%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.47	12.03	552	663	7.731	9.330	
4)	M	2,2',3,3',4,4'-Hexa	17.13	21.96	939	810	6.000	5.155	
5)	L1	Aroclor-1016	6.98	10.66	144	170	5.267	6.373	
6)	L1	Aroclor-1016 {2}	8.47	12.03	552	663	14.543	22.952	#
7)	L1	Aroclor-1016 {3}	9.51	12.61	947	192	43.838	14.008	#
		Total Aroclor-1016			1643	1025	63.648	43.333	
		Average Aroclor-1016					21.216	14.444	
8)	L2	Aroclor-1221	3.43	0.00	66	0	7.808	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			66	0	7.808	N.D.	
		Average Aroclor-1221					7.808	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	144	170	11.815	13.675	
13)	L3	Aroclor-1232 {3}	8.47	12.03	552	663	34.271	54.316	#
		Total Aroclor-1232			696	833	46.086	67.991	
		Average Aroclor-1232					23.043	33.996	
14)	L4	Aroclor-1242	6.98	10.66	144	170	3.921	4.720	
15)	L4	Aroclor-1242 {2}	8.47	12.03	552	663	12.487	17.135	#
16)	L4	Aroclor-1242 {3}	9.51	13.18	947	785	33.299	36.141	
17)	L4	Aroclor-1242 (4)	10.26	14.37	930	918	38.215	40.115	
18)	L4	Aroclor-1242 (5)	10.57	14.81	694	834	34.944	59.906	#
		Total Aroclor-1242			3267	3370	122.866	158.017	
		Average Aroclor-1242					24.573	31.603	
19)	L5	Aroclor-1248	10.26	15.33	930	902	39.626	46.048	

122

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2454F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2454F.D\E1A2454R.D
Acq On : 20 Sep 97 05:37 PM Operator: JS
Sample : D1422-20,SG-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	694	758	35.667	38.114
21) L5	Aroclor-1248 (3)	11.64	16.56	1001	617	43.148	40.448
Total	Aroclor-1248			2626	2278	118.440	124.610
Average	Aroclor-1248					39.480	41.537
22) L6	Aroclor-1254	13.62	17.93	2422	2730	41.332	41.424
23) L6	Aroclor-1254 (2)	14.10	18.38	1490	1902	49.091	53.849
24) L6	Aroclor-1254 (3)	14.50	18.56	1526	1441	48.770	50.557
25) L6	Aroclor-1254 (4)	14.89	18.88	1594	1644	59.367	57.297
26) L6	Aroclor-1254 (5)	16.01	20.43	2724	2545	56.339	57.203
Total	Aroclor-1254			9757	10262	254.900	260.331
Average	Aroclor-1254					50.980	52.066
27) L7	Aroclor-1260	17.13	21.82	939	263	33.964	10.718 #
28) L7	Aroclor-1260 (2)	18.11	22.32	601	672	11.830	11.761
29) L7	Aroclor-1260 (3)	19.22	24.22	470	360	12.605	15.072
Total	Aroclor-1260			2010	1296	58.399	37.552
Average	Aroclor-1260					19.466	12.517

6 wipes

$\frac{254.9 \times 10}{6} = 0.42$ KC

KC

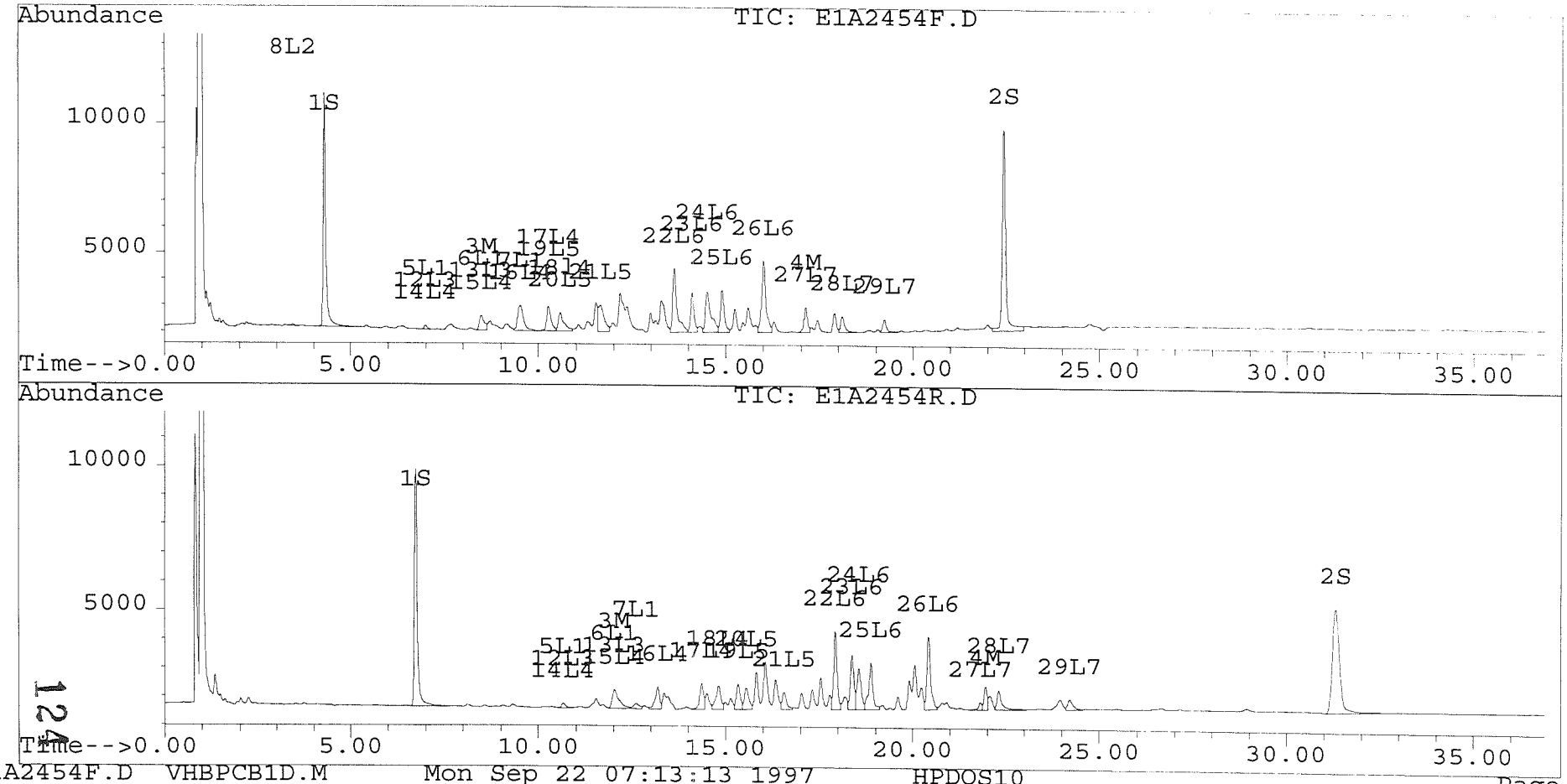
123

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2454F.D Vial: 36
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2454F.D\E1A2454R.D
Acq On : 20 Sep 97 05:37 PM Operator: JS
Sample : D1422-20,SG-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:11 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



124

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D\E1A2423R.D
Acq On : 19 Sep 97 08:18 PM Operator: JS/GML
Sample : P0915-B2,PBLK05,P0915-B2 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8249	7541	38.693	37.590
					Recovery	=	96.73%	93.98%
2)	S	Decachlorobiphenyl	22.43	31.32	7000	3322	28.653	27.817
					Recovery	=	71.63%	69.54%
		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	21.97	29	41	0.185	0.264 #
5)	L1	Aroclor-1016	0.00	10.62	0	79	N.D.	2.946 #
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	79	N.D.	2.946
		Average Aroclor-1016					0.000	2.946
8)	L2	Aroclor-1221	3.43	0.00	53	0	6.194	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			53	0	6.194	N.D.
		Average Aroclor-1221					6.194	0.000
11)	L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12)	L3	Aroclor-1232 (2)	0.00	10.62f	0	79	N.D.	6.322 #
13)	L3	Aroclor-1232 (3)	0.00	0.00	0	0	N.D.	N.D.
		Total Aroclor-1232			0	79	N.D.	6.322
		Average Aroclor-1232					0.000	6.322
14)	L4	Aroclor-1242	0.00	10.62	0	79	N.D.	2.182 #
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)	10.28	0.00	42	0	1.730	N.D. #
18)	L4	Aroclor-1242 (5)	10.53f	0.00	29	0	1.456	N.D. #
		Total Aroclor-1242			71	79	3.186	2.182
		Average Aroclor-1242					1.593	2.182
19)	L5	Aroclor-1248	10.28	0.00	42	0	1.794	N.D. #

64

125

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D\E1A2423R.D
Acq On : 19 Sep 97 08:18 PM Operator: JS/GML
Sample : P0915-B2,PBLK05,P0915-B2 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

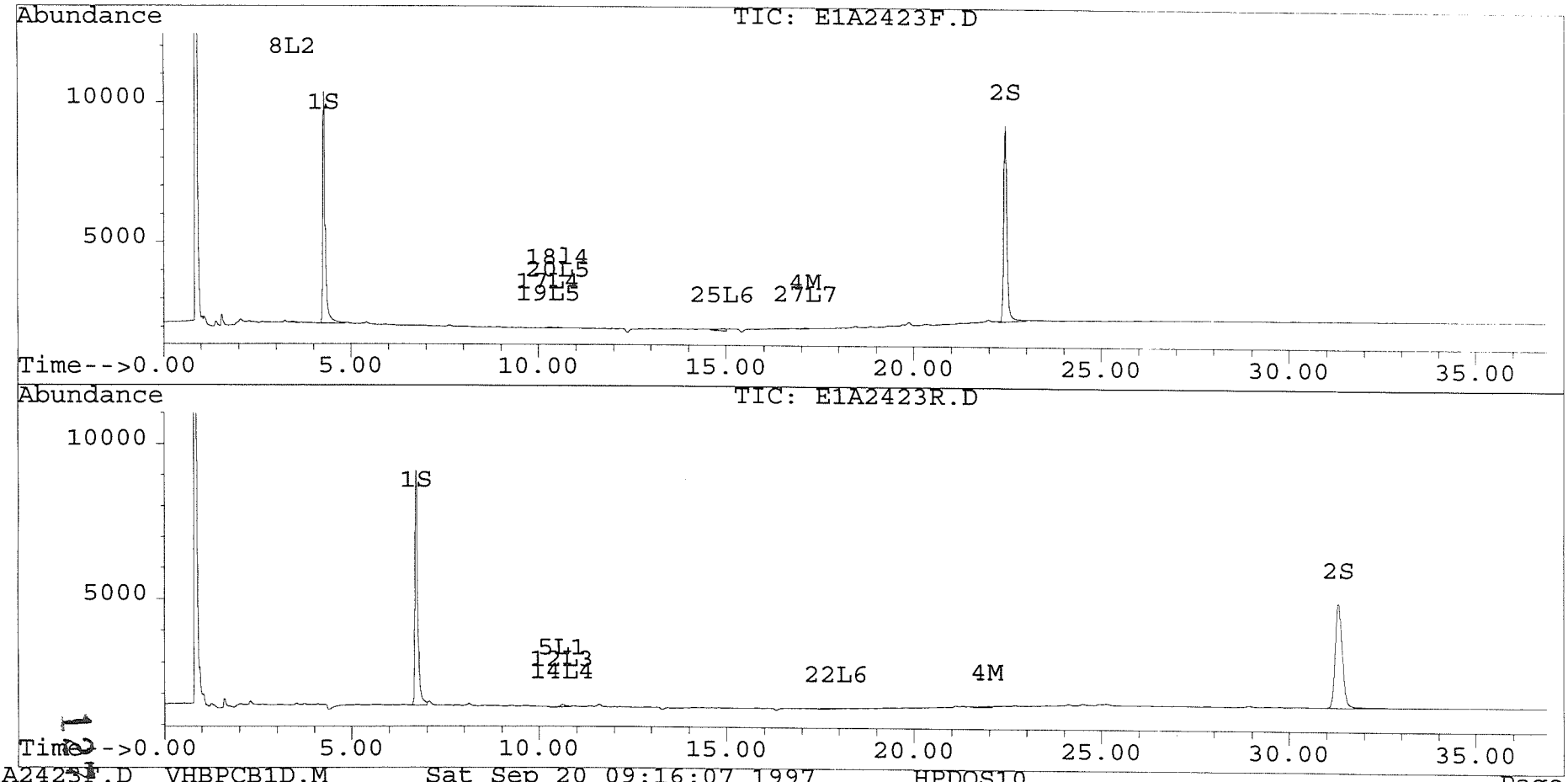
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.53f	0.00	29	0	1.486	N.D. #
21) L5 Aroclor-1248 {3}	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1248			71	0	3.280	N.D.
Average Aroclor-1248					1.640	0.000
22) L6 Aroclor-1254	0.00	17.94	0	16	N.D.	0.243 #
23) L6 Aroclor-1254 {2}	0.00	0.00	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)	14.92	0.00	82	0	3.045	N.D. #
26) L6 Aroclor-1254 (5)	0.00	0.00	0	0	N.D.	N.D.
Total Aroclor-1254			82	16	3.045	0.243
Average Aroclor-1254					3.045	0.243
27) L7 Aroclor-1260	17.11	0.00	29	0	1.047	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			29	0	1.047	N.D.
Average Aroclor-1260					1.047	0.000

126

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D Vial: 6
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2423F.D\E1A2423R.D
Acq On : 19 Sep 97 08:18 PM Operator: JS/GML
Sample : P0915-B2,PBLK05,P0915-B2 Inst : E1
Misc : 3,,BLANK,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2424F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2424F.D\E1A2424R.D
Acq On : 19 Sep 97 08:59 PM Operator: JS/GML
Sample : P0915-LCS2,PLCS05,P0915-B2 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8479	7775	39.768	38.758
				Recovery	=	99.42%	96.90%
2) S	Decachlorobiphenyl	22.43	31.32	6989	3277	28.609	27.448
				Recovery	=	71.52%	68.62%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.42	12.02	77883	79842	1090.574	1124.239
4) M	2,2',3,3',4,4'-Hexa	17.11	21.95	169530	164299	1083.538	1045.109
5) L1	Aroclor-1016	0.00	10.62f	0	78	N.D.	2.942 #
6) L1	Aroclor-1016 (2)	8.42f	12.02	77883	79842	2051.439	2765.814
7) L1	Aroclor-1016 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1016			77883	79921	2051.439	2768.755
Average	Aroclor-1016					2051.439	1384.378
8) L2	Aroclor-1221	3.43	0.00	34	0	4.042	N.D. #
9) L2	Aroclor-1221 (2)	5.28	8.33	102	91	15.749	14.918
10) L2	Aroclor-1221 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1221			136	91	19.790	14.918
Average	Aroclor-1221					9.895	14.918
11) L3	Aroclor-1232	0.00	0.00	0	0	N.D.	N.D.
12) L3	Aroclor-1232 (2)	0.00	10.62f	0	78	N.D.	6.312 #
13) L3	Aroclor-1232 (3)	8.42f	12.02	77883	79842	4834.180	6545.294
Total	Aroclor-1232			77883	79921	4834.180	6551.606
Average	Aroclor-1232					4834.180	3275.803
14) L4	Aroclor-1242	0.00	10.62f	0	78	N.D.	2.179 #
15) L4	Aroclor-1242 (2)	8.42f	12.02	77883	79842	1761.401	2064.839
16) L4	Aroclor-1242 (3)	0.00	0.00	0	0	N.D.	N.D.
17) L4	Aroclor-1242 (4)	10.26	0.00	140	0	5.738	N.D. #
18) L4	Aroclor-1242 (5)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1242			78023	79921	1767.138	2067.018
Average	Aroclor-1242					883.569	1033.509
19) L5	Aroclor-1248	10.26	0.00	140	0	5.950	N.D. #

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2424F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2424F.D\E1A2424R.D
Acq On : 19 Sep 97 08:59 PM Operator: JS/GML
Sample : P0915-LCS2,PLCS05,P0915-B2 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	28	N.D.	1.392 #
21) L5	Aroclor-1248 (3)	0.00	0.00	0	0	N.D.	N.D.
Total	Aroclor-1248			140	28	5.950	1.392
Average	Aroclor-1248					5.950	1.392
22) L6	Aroclor-1254	0.00	0.00	0	0	N.D.	N.D.
23) L6	Aroclor-1254 (2)	14.10	0.00	460	0	15.165	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			460	0	15.165	N.D.
Average	Aroclor-1254					15.165	0.000
27) L7	Aroclor-1260	17.11	0.00	169530	0	6133.104	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	80	145	2.148	6.080 #
Total	Aroclor-1260			169611	145	6135.252	6.080
Average	Aroclor-1260					3067.626	6.080

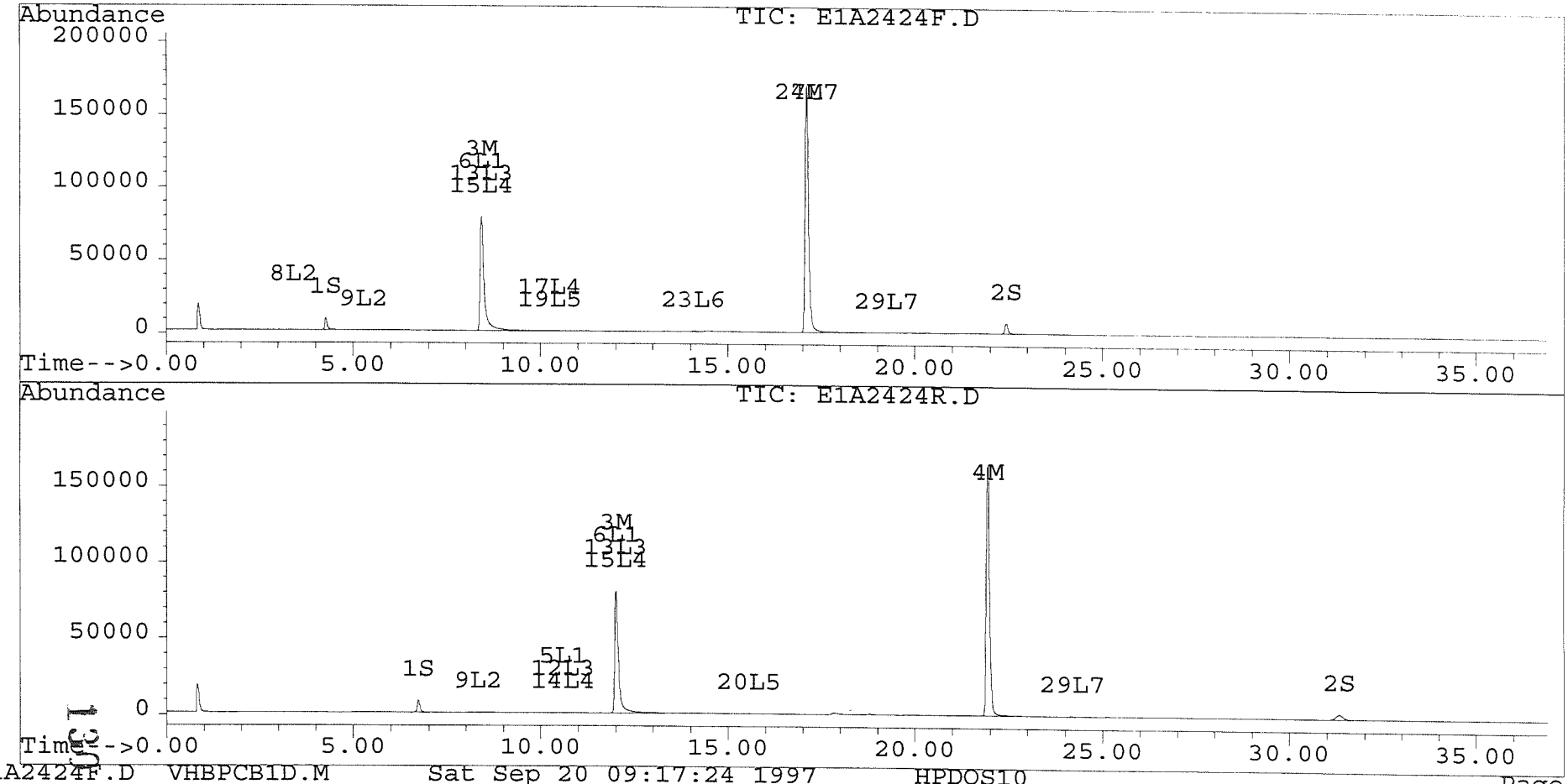
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2424F.D Vial: 7
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2424F.D\E1A2424R.D
Acq On : 19 Sep 97 08:59 PM Operator: JS/GML
Sample : P0915-LCS2,PLCS05,P0915-B2 Inst : E1
Misc : 3,,LCS,1,,10000,1000,,,,15-SEP-97, Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



GP_ _tch N_ _er
Florisil Lot #

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

DATE 9-15-97 | Analysis PCB | Sample Matrix Wipe | Project# : D1422
Blank ID PO915-B2 | Method Shaker | Analyst PB | Spiker PB | Wit | Client : VHB

Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.		Florisil Date/An.		Final Conc Date/An.		Final Extr. Volum.	Cu/Acid Date/An.		Date Extr. Tran.	Comments
PO915-B2		1wipe	PWS709114 2mL	—	W	N	N	N	9/16	AC,PB HG,ARN	10.0 ml	9/16	AC,PB HG,ARN	9/17	
-LCS2		↓		PWS707258 400µL											
PD1422-01		4wipes		—											
-02															
-03															
-04															
-05															
-06		↓													
-07		5wipes													
-08															
-09															
-10															
-11		↓													
-12		1wipe													
-13		3wipes													
-14		↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

GPC Batch Number
Florisil Lot #

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

DATE 9-15-97 | Analysis PCB | Sample Matrix Wipe | Project#: D1422
Blank ID P0915-B2 P0915-B3 | Method Shaker | Analyst PB | Spiker PB | Wit | Client: VHB

Sample ID	Client ID	Weight/ Vol. Ext.	Surr. Spike Added	Matrix Spike Added	GPC Date/An.		Florisil Date/An.		Final Conc Date/An.		Final Extr. Volum.	Cu/Acid Date/An.		Date Extr. Tran.	Comments
PD1422-15		1 wipe	PW970911A 2mL	—	~	~	~	~	9/16	AC,PB AEM10	10.0 ml	9/16	AEM,AC HC,PB	9/17	
-16															
-17															
-18*															
-19															
-20		6 wipes													
P0915-B3		1 wipe													*po double spike
-L3				PW970725A 400µl											
PD1422-21		6 wipes													
-22															
-23															
-24															
-25															
-26															
-27															
-28															

VHB PCB Data

Matrix: Wipe samples

QC Batch: P0915-B3

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D\E1A2457R.D
Acq On : 20 Sep 97 07:39 PM Operator: JS
Sample : D1422-21,SG-2,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7671	7093	35.981	35.358
				Recovery	=	89.95%	88.40%
2) S	Decachlorobiphenyl	22.43	31.33	6698	3139	27.415	26.292
				Recovery	=	68.54%	65.73%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.46	12.02	1675	1739	23.454	24.486
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	2010	1732	12.844	11.018
5) L1	Aroclor-1016	6.98	10.66	1042	1073	38.207	40.240
6) L1	Aroclor-1016 (2)	8.46	12.02	1675	1739	44.118	60.240 #
7) L1	Aroclor-1016 (3)	9.50	12.61	3968	982	183.715	71.517 #
Total	Aroclor-1016			6685	3794	266.040	171.997
Average	Aroclor-1016					88.680	57.332
8) L2	Aroclor-1221	3.43	0.00	82	0	9.642	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	74	82	4.260	5.550 #
Total	Aroclor-1221			156	82	13.902	5.550
Average	Aroclor-1221					6.951	5.550
11) L3	Aroclor-1232	5.90	9.14	74	82	5.520	6.895
12) L3	Aroclor-1232 (2)	6.98	10.66	1042	1073	85.707	86.349
13) L3	Aroclor-1232 (3)	8.46	12.02	1675	1739	103.964	142.559 #
Total	Aroclor-1232			2791	2894	195.190	235.803
Average	Aroclor-1232					65.063	78.601
14) L4	Aroclor-1242	6.98	10.66	1042	1073	28.445	29.804
15) L4	Aroclor-1242 (2)	8.46	12.02	1675	1739	37.881	44.973
16) L4	Aroclor-1242 (3)	9.50	13.18	3968	3172	139.550	145.992
17) L4	Aroclor-1242 (4)	10.25	14.36	4423	3983	181.679	173.968
18) L4	Aroclor-1242 (5)	10.56	14.81	3311	3003	166.633	215.755 #
Total	Aroclor-1242			14418	12970	554.188	610.493
Average	Aroclor-1242					110.838	122.099
19) L5	Aroclor-1248	10.25	15.33	4423	3233	188.387	169.957

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2457F.D VHBPCB1D.M Mon Sep 22 07:15:59 1997 HPDOS10 Page 1

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D\E1A2457R.D
Acq On : 20 Sep 97 07:39 PM Operator: JS
Sample : D1422-21,SG-2,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	3311	3057	170.080	153.689	
21) L5	Aroclor-1248 (3)	11.63	16.56	3821	2176	164.654	142.516	
Total	Aroclor-1248			11555	8466	523.121	461.261	
Average	Aroclor-1248					174.374	153.754	
22) L6	Aroclor-1254	13.62	17.93	7004	7744	119.524	117.512	
23) L6	Aroclor-1254 (2)	14.10	18.38	3719	4658	122.498	131.875	
24) L6	Aroclor-1254 (3)	14.49	18.56	4086	3422	130.561	120.048	
25) L6	Aroclor-1254 (4)	14.89	18.88	3543	3598	131.975	125.379	
26) L6	Aroclor-1254 (5)	16.00	20.43	6229	5632	128.808	126.586	
Total	Aroclor-1254			24581	25054	633.366	621.400	
Average	Aroclor-1254					126.673	124.280	
27) L7	Aroclor-1260	17.13	21.82	2010	531	72.701	21.656	#
28) L7	Aroclor-1260 (2)	18.10	22.32	1201	1339	23.644	23.427	
29) L7	Aroclor-1260 (3)	19.22	24.22	931	693	24.956	28.982	
Total	Aroclor-1260			4141	2563	121.301	74.064	
Average	Aroclor-1260					40.434	24.688	

AR1254

$\frac{621.4 \times 10}{6 \text{ wipes}} = 1.0$

135

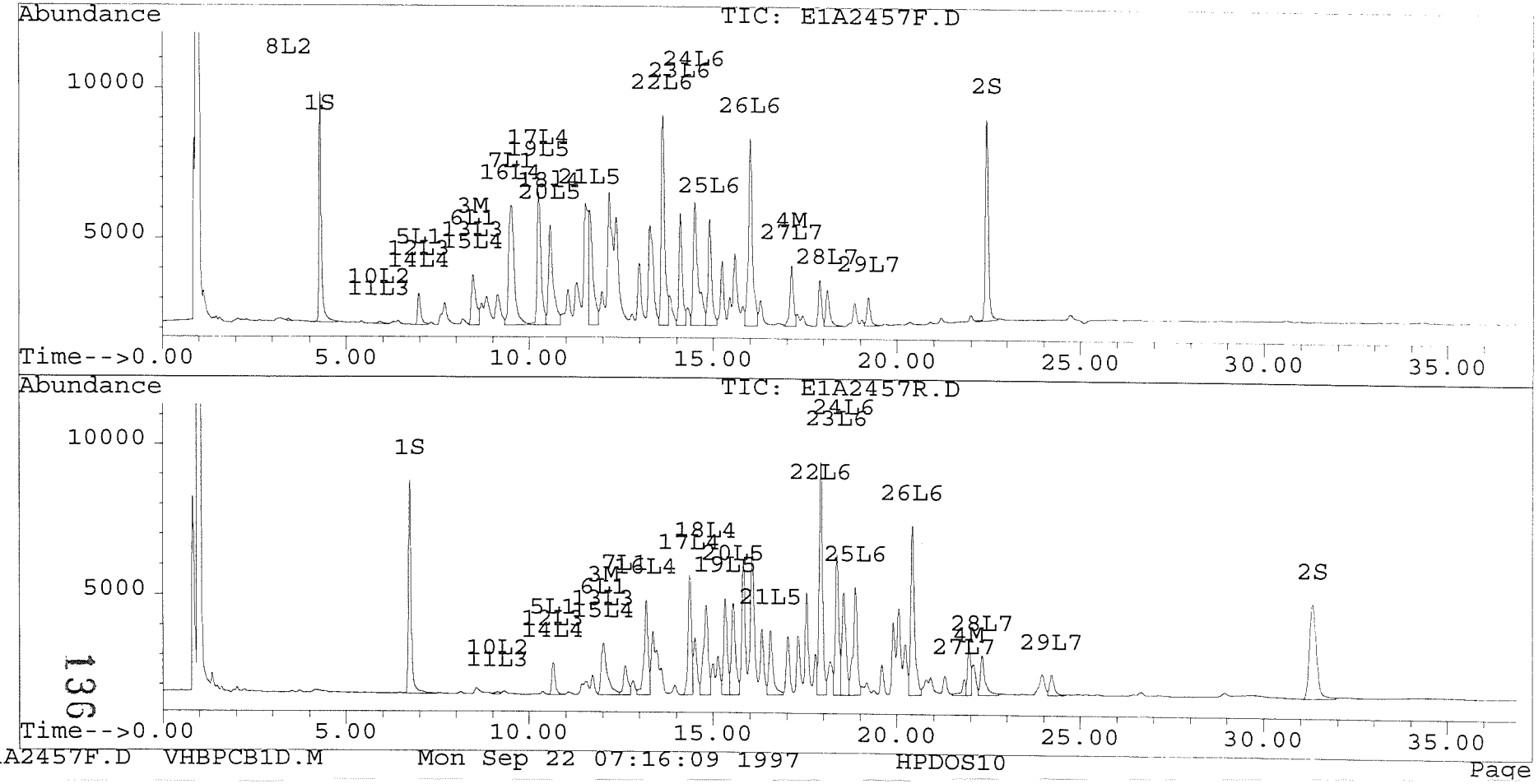
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2457F.D VHBPCB1D.M Mon Sep 22 07:16:01 1997 HPDOS10 Page 2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D Vial: 39
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2457F.D\E1A2457R.D
Acq On : 20 Sep 97 07:39 PM Operator: JS
Sample : D1422-21,SG-2,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:15 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



136

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D\E1A2458R.D
Acq On : 20 Sep 97 08:20 PM Operator: JS
Sample : D1422-22,SG-3,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	7243	6767	33.975	33.732	
					Recovery	=	84.94%	84.33%	
2)	S	Decachlorobiphenyl	22.43	31.33	6990	3045	28.611	25.497	
					Recovery	=	71.53%	63.74%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.46	12.03	1663	1679	23.285	23.646	
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	4177	3592	26.697	22.851	
5)	L1	Aroclor-1016	6.98	10.66	682	703	25.002	26.373	
6)	L1	Aroclor-1016 (2)	8.46	12.03	1663	1679	43.800	58.173	#
7)	L1	Aroclor-1016 (3)	9.51	12.61	3163	772	146.454	56.193	#
		Total Aroclor-1016			5508	3154	215.256	140.739	
		Average Aroclor-1016					71.752	46.913	
8)	L2	Aroclor-1221	3.44	0.00	57	0	6.652	N.D.	#
9)	L2	Aroclor-1221 (2)	0.00	8.34	0	19	N.D.	3.177	#
10)	L2	Aroclor-1221 (3)	5.90	9.14	142	156	8.175	10.639	#
		Total Aroclor-1221			198	176	14.826	13.816	
		Average Aroclor-1221					7.413	6.908	
11)	L3	Aroclor-1232	5.90	9.14	142	156	10.591	13.218	
12)	L3	Aroclor-1232 (2)	6.98	10.66	682	703	56.084	56.592	
13)	L3	Aroclor-1232 (3)	8.46	12.03	1663	1679	103.214	137.667	#
		Total Aroclor-1232			2487	2539	169.890	207.477	
		Average Aroclor-1232					56.630	69.159	
14)	L4	Aroclor-1242	6.98	10.66	682	703	18.614	19.534	
15)	L4	Aroclor-1242 (2)	8.46	12.03	1663	1679	37.608	43.430	
16)	L4	Aroclor-1242 (3)	9.51	13.18	3163	2486	111.246	114.451	
17)	L4	Aroclor-1242 (4)	10.25	14.36	3480	3097	142.942	135.257	
18)	L4	Aroclor-1242 (5)	10.56	14.81	2755	2624	138.654	188.533	#
		Total Aroclor-1242			11742	10590	449.063	501.204	
		Average Aroclor-1242					89.813	100.241	
19)	L5	Aroclor-1248	10.25	15.33	3480	3372	148.219	172.168	

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D\E1A2458R.D
Acq On : 20 Sep 97 08:20 PM Operator: JS
Sample : D1422-22,SG-3,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	2755	2952	141.522	148.431
21) L5 Aroclor-1248 {3}	11.63	16.56	4005	2336	172.589	152.997
Total Aroclor-1248			10240	8660	462.330	473.596
Average Aroclor-1248					154.110	157.865
22) L6 Aroclor-1254	13.61	17.93	10229	11080	174.559	168.143
23) L6 Aroclor-1254 {2}	14.10	18.38	5984	7925	197.117	224.357
24) L6 Aroclor-1254 {3}	14.48	18.56	7269	5533	232.254	194.099
25) L6 Aroclor-1254 (4)	14.89	18.88	7011	7091	261.173	247.091
26) L6 Aroclor-1254 (5)	16.00	20.43	12650	11181	261.582	251.322
Total Aroclor-1254			43143	42810	1126.685	1085.012
Average Aroclor-1254					225.337	217.002
27) L7 Aroclor-1260	17.12	21.82	4177	1306	151.114	53.239 #
28) L7 Aroclor-1260 {2}	18.10	22.32	3064	3331	60.327	58.277
29) L7 Aroclor-1260 {3}	19.22	24.21	2459	1825	65.947	76.317
Total Aroclor-1260			9700	6462	277.388	187.833
Average Aroclor-1260					92.463	62.611

1085 x10 / 6 wipes = 1.8 K

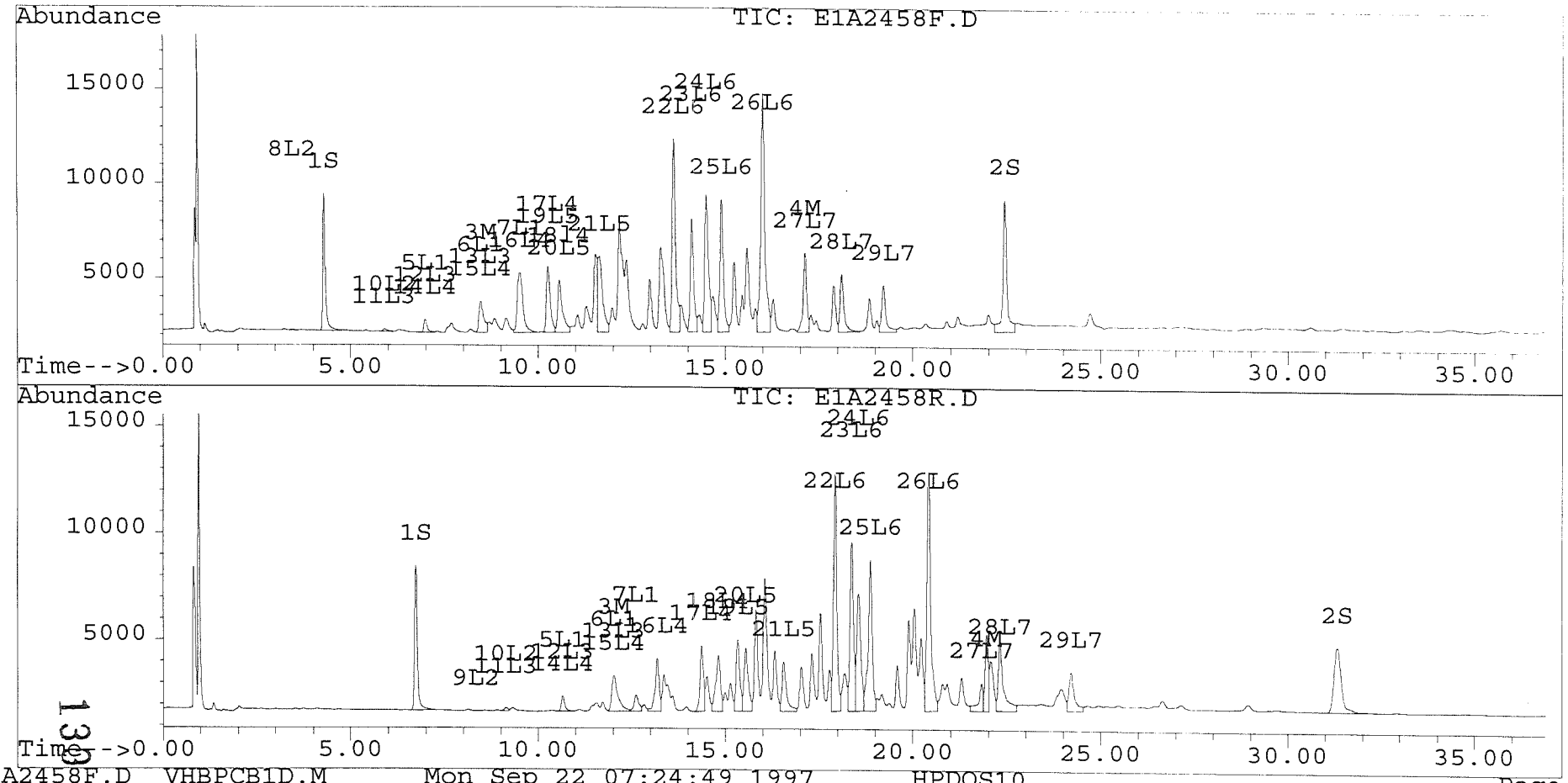
138

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2458F.D VHBPCB1D.M Mon Sep 22 07:24:40 1997 HPDOS10 Page 2

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D Vial: 40
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2458F.D\E1A2458R.D
Acq On : 20 Sep 97 08:20 PM Operator: JS
Sample : D1422-22,SG-3,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2459F.D Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2459F.D\E1A2459R.D
Acq On : 20 Sep 97 09:00 PM Operator: JS
Sample : D1422-23,SG-4,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:24 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	6068	5725	28.462	~~28.541~~
				Recovery	=	71.16%	71.35%
2) S	Decachlorobiphenyl	22.44	31.33	5940	2675	24.314	22.402
				Recovery	=	60.79%	56.01%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.03	307	353	4.302	4.969
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	1289	1146	8.237	7.290
5) L1	Aroclor-1016	6.98	10.66	196	213	7.191	7.989
6) L1	Aroclor-1016 {2}	8.47	12.03	307	353	8.092	12.225 #
7) L1	Aroclor-1016 {3}	9.50	12.61	1201	176	55.624	12.834 #
Total	Aroclor-1016			1705	742	70.906	33.048
Average	Aroclor-1016					23.635	11.016
8) L2	Aroclor-1221	3.43	0.00	58	0	6.832	N.D. #
9) L2	Aroclor-1221 {2}	0.00	0.00	0	0	N.D.	N.D.
10) L2	Aroclor-1221 {3}	5.90	0.00	27	0	1.543	N.D. #
Total	Aroclor-1221			85	0	8.375	N.D.
Average	Aroclor-1221					4.187	0.000
11) L3	Aroclor-1232	5.90	0.00	27	0	1.999	N.D. #
12) L3	Aroclor-1232 {2}	6.98	10.66	196	213	16.130	17.143
13) L3	Aroclor-1232 {3}	8.47	12.03	307	353	19.069	28.930 #
Total	Aroclor-1232			530	566	37.198	46.073
Average	Aroclor-1232					12.399	23.036
14) L4	Aroclor-1242	6.98	10.66	196	213	5.353	5.917
15) L4	Aroclor-1242 {2}	8.47	12.03	307	353	6.948	9.127 #
16) L4	Aroclor-1242 {3}	9.50	13.19	1201	1034	42.252	47.594
17) L4	Aroclor-1242 (4)	10.26	14.37	1274	1190	52.343	51.985
18) L4	Aroclor-1242 (5)	10.57	14.81	913	937	45.969	67.285 #
Total	Aroclor-1242			3892	3727	152.865	181.908
Average	Aroclor-1242					30.573	36.382
19) L5	Aroclor-1248	10.26	15.33	1274	1122	54.276	57.266

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
E1A2459F.D VHBPCB1D.M Mon Sep 22 07:24:58 1997 HPDOS10 Page 1

Quantitation Report

```
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2459F.D        Vial: 41
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2459F.D\E1A2459R.D
Acq On    : 20 Sep 97  09:00 PM                          Operator: JS
Sample    : D1422-23,SG-4,P0915-B3                       Inst    : E1
Misc      : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22  7:24 1997

Method          : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title           : VHB PCB 5  LEVEL RUN 9/15/97-9/16/97
Last Update     : Sat Sep 20 09:15:27 1997
Response via    : Multiple Level Calibration

Volume Inj.        : 2.0 UL
Signal #1 Phase : DB-1701            Signal #2 Phase: DB-608
Signal #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	913	982	46.920	49.345
21) L5 Aroclor-1248 {3}	11.64	16.57	1361	796	58.664	52.140
Total Aroclor-1248			3549	2899	159.860	158.751
Average Aroclor-1248					53.287	52.917 better Nails
22) L6 Aroclor-1254	13.62	17.94	3548	4097	60.540	62.169
23) L6 Aroclor-1254 {2}	14.10	18.38	2188	2601	72.062	73.643
24) L6 Aroclor-1254 {3}	14.49	18.56	2119	2172	67.718	76.196
25) L6 Aroclor-1254 (4)	14.89	18.88	2251	2334	83.863	81.319
26) L6 Aroclor-1254 (5)	16.00	20.43	3843	3537	79.475	~~79.502~~
Total Aroclor-1254			13949	14741	363.657	372.829
Average Aroclor-1254					72.731	74.566
27) L7 Aroclor-1260	17.13	21.83	1289	425	46.625	17.314 #
28) L7 Aroclor-1260 {2}	18.11	22.32	873	1034	17.187	18.096
29) L7 Aroclor-1260 {3}	19.22	24.22	739	566	19.817	23.669
Total Aroclor-1260			2901	2025	83.629	59.079
Average Aroclor-1260					27.876	19.693

372.8 x 10 / 6 wgs = 0.62

Vr

141

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2462F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2462F.D\E1A2462R.D
Acq On : 20 Sep 97 11:02 PM Operator: JS
Sample : D1422-26,SG-7,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	260	227	13.349	11.396
21) L5 Aroclor-1248 {3}	11.65	16.57	306	179	13.189	11.741
Total Aroclor-1248			907	657	41.053	35.963
Average Aroclor-1248					13.684	11.988
22) L6 Aroclor-1254	13.63	17.94	1132	1335	19.319	20.254
23) L6 Aroclor-1254 {2}	14.10	18.38	979	1063	32.256	30.090
24) L6 Aroclor-1254 {3}	14.50	18.57	856	1019	27.340	35.733 #
25) L6 Aroclor-1254 (4)	14.89	18.88	1506	1541	56.084	53.706
26) L6 Aroclor-1254 (5)	16.01	20.43	3017	2784	62.395	62.568
Total Aroclor-1254			7490	7741	197.394	202.351
Average Aroclor-1254					39.479	40.470
27) L7 Aroclor-1260	17.13	21.83	1261	441	45.605	17.981 #
28) L7 Aroclor-1260 {2}	18.10	22.32	1230	1358	24.227	23.760
29) L7 Aroclor-1260 {3}	19.22	24.22	1039	781	27.868	32.655
Total Aroclor-1260			3530	2580	97.700	74.396
Average Aroclor-1260					32.567	24.799

Use three peaks

$86 \times \frac{5}{3} \times 10 =$ 6 wipes

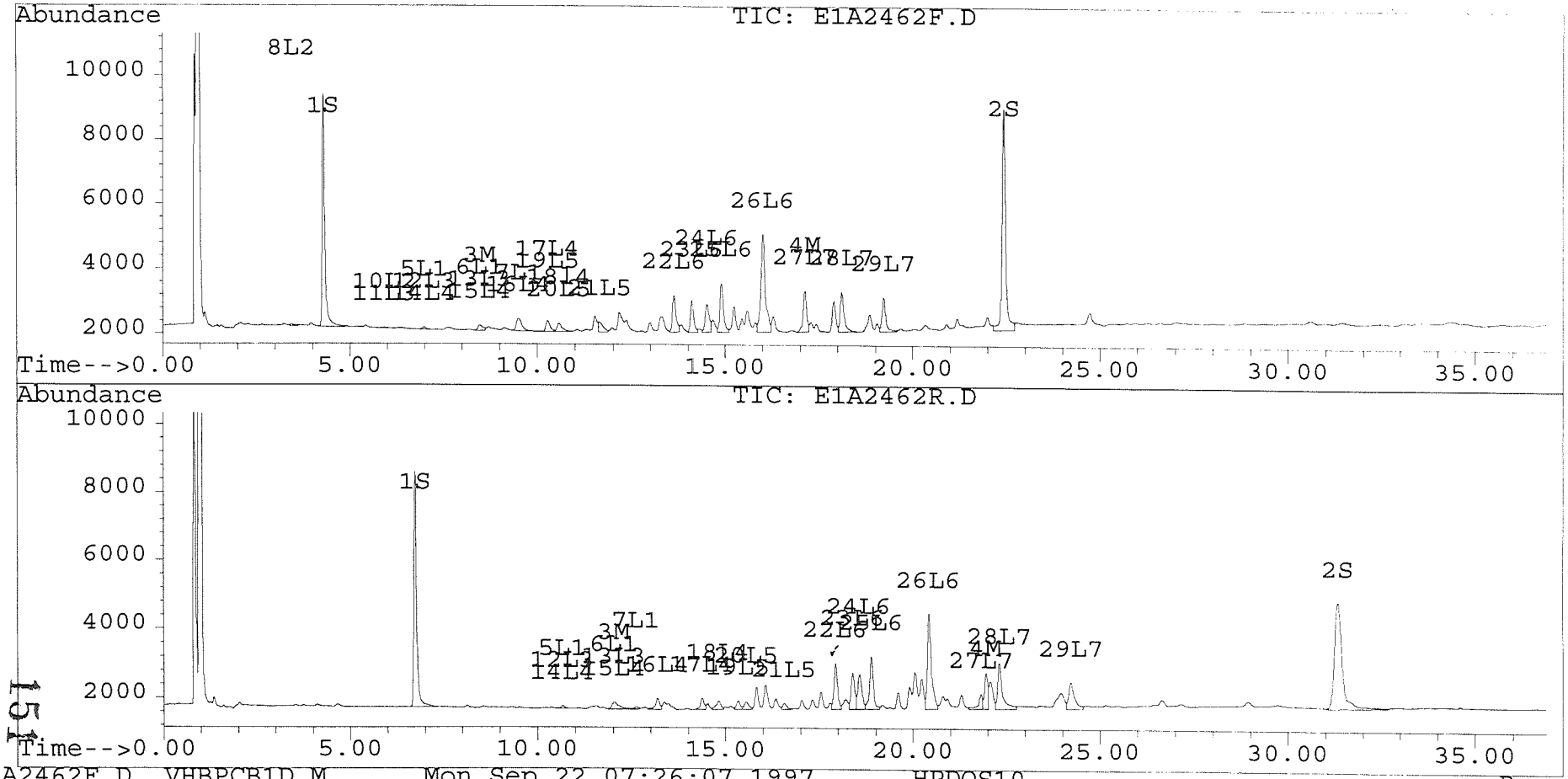
0.24

150

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2462F.D Vial: 44
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2462F.D\E1A2462R.D
Acq On : 20 Sep 97 11:02 PM Operator: JS
Sample : D1422-26,SG-7,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:25 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2463F.D Vial: 45
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2463F.D\E1A2463R.D
Acq On : 20 Sep 97 11:42 PM Operator: JS
Sample : D1422-27,SG-8,P0915-B3 Inst : E1
Misc : 0,,,1,,10000,6000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 22 7:26 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8499	8046	39.862	40.109	
				Recovery	=	99.66%	100.27%	
2) S	Decachlorobiphenyl	22.44	31.34	7863	3506	32.187	29.364	
				Recovery	=	80.47%	73.41%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.47f	12.03	167	207	2.342	2.910	
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	1026	948	6.559	6.033	
5) L1	Aroclor-1016	6.99	10.66	119	140	4.366	5.247	
6) L1	Aroclor-1016 {2}	8.47	12.03	167	207	4.406	7.160	#
7) L1	Aroclor-1016 {3}	9.49	12.62	803	95	37.174	6.903	#
Total	Aroclor-1016			1089	441	45.946	19.310	
Average	Aroclor-1016					15.315	6.437	
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}	6.99	10.66	119	140	9.793	11.259	
13) L3	Aroclor-1232 {3}	8.47	12.03	167	207	10.382	16.945	#
Total	Aroclor-1232			286	347	20.175	28.203	
Average	Aroclor-1232					10.087	14.102	
14) L4	Aroclor-1242	6.99	10.66	119	140	3.250	3.886	
15) L4	Aroclor-1242 {2}	8.47	12.03	167	207	3.783	5.346	#
16) L4	Aroclor-1242 {3}	9.49	13.19	803	721	28.238	33.181	
17) L4	Aroclor-1242 (4)	10.26	14.37	802	784	32.924	34.246	
18) L4	Aroclor-1242 (5)	10.57	14.82	567	590	28.556	42.371	#
Total	Aroclor-1242			2458	2441	96.751	119.030	
Average	Aroclor-1242					19.350	23.806	
19) L5	Aroclor-1248	10.26	15.34	802	685	34.140	34.975	

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

MITKEM CORPORATION

Client: VHB, Inc.

Client Project: 05437 (Boliden Metech)

Lab Project: D1422

Date Samples Received: September 12, 1997

Project Narrative

This data package included the analysis result for forty one wipe samples that were received from VHB, Inc. on September 12, 1997. Per client's directive, analysis was not performed for CR-4. For the rest of the samples, analyses were performed per specifications in the Chain of Custody form. For reference, a copy of the Mitkem Sample Log-In form is included for cross-referencing the Client sample ID and Laboratory sample ID.

Many of the samples contained multiple wipes. Per client's directive, the analysis results are normalized to the surface area that was wiped down. Further, the results are tabulated on the assumption that each of the wipe within each sample covered 100 cm^2.

Per project requirement, special congener compounds were used for the lab control spikes.

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

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

Kin S. Chiu
Technical Director

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0915-B2

Concentration in ug/100 cm^2

						% Recovery	
Lab ID	**Client ID**	# Wipes	AR1242	AR1248	AR1254	TCMX	DCB
D1422-01	CR-1	4	< 0.25	< 0.25	< 0.25	98	71
D1422-02	CR-2	4	< 0.25	< 0.25	< 0.25	100	71
D1422-03	CR-3	4	< 0.25	< 0.25	< 0.25	106	77
D1422-05	CR-5	4	< 0.25	< 0.25	< 0.25	97	70
D1422-06	DCR-1	4	< 0.25	< 0.25	< 0.25	99	74
D1422-07	1WBF	5	< 0.2	< 0.2	1.1	100	72
D1422-08	2WBF	5	< 0.2	< 0.2	1.0	111	79
D1422-09	3WBF	5	< 0.2	< 0.2	0.87	98	70
D1422-10	4WBF	5	< 0.2	< 0.2	0.48	100	74
D1422-11	D4WBF	5	< 0.2	< 0.2	0.44	104	76
D1422-12	SB4WBF	1	< 1	< 1	< 1	105	76
D1422-13	ST-1	3	< 0.33	< 0.33	< 0.33	104	76
D1422-14	ST-2	3	< 0.33	< 0.33	< 0.33	107	78
D1422-15	SBST-1	1	< 1	< 1	< 1	98	72
D1422-16	CW2K-5	1	< 1	< 1	< 1	110	80
D1422-17	CW2L-5	1	< 1	< 1	< 1	100	75
D1422-18	CW2K-6	1	< 1	< 1	< 1	119	78
D1422-19	CW2L-6	1	< 1	< 1	< 1	96	71
D1422-20	SG-1	6	< 0.17	< 0.17	0.42	103	76
QA/QC							
Method Blank							
P0915-B2			< 1	< 1	< 1	94	70
			% Recovery				
Lab Control Sample			TCP	HCP			
P0915-LCS2			109	104		97	69

TCMX = Tetracholoro-m-xylene
DCB = Decachlorobiphenyl
TCP = Trichlorobiphenyl
HCP = Hexachlorobiphenyl

002

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0915-B3

Concentration in ug/100 cm^2

						% Recovery	
Lab ID	**Client ID**	# Wipes	AR1242	AR1248	AR1254	TCMX	DCB
D1422-21	SG-2	6	< 0.17	< 0.17	1.0	88	66
D1422-22	SG-3	6	< 0.17	< 0.17	1.8	84	64
D1422-23	SG-4	6	< 0.17	< 0.17	0.62	71	56
D1422-24	SG-5	6	< 0.17	< 0.17	0.25	92	68
D1422-25	SG-6	6	< 0.17	< 0.17	0.58	89	69
D1422-26	SG-7	6	< 0.17	< 0.17	0.24	85	65
D1422-27	SG-8	6	< 0.17	< 0.17	0.45	100	73
D1422-28	SG-9	6	< 0.17	< 0.17	0.26	92	68
D1422-29	SG-10	6	< 0.17	< 0.17	0.18	84	62
D1422-30	SG-11	6	< 0.17	< 0.17	0.32	93	69
D1422-31	SG-12	6	< 0.17	< 0.17	0.44	80	61
D1422-32	SG-13	6	< 0.17	< 0.17	0.76	88	68
D1422-33	SG-14	6	< 0.17	< 0.17	0.84	92	71
D1422-34	SG-15	6	< 0.17	< 0.17	0.47	104	79
D1422-35	SG-16	6	< 0.17	< 0.17	< 0.17	94	73
D1422-36	SG-17	6	< 0.17	< 0.17	1.5	92	78
D1422-37	SG-18	6	< 0.17	< 0.17	2.6	124	108
D1422-38	SG-19	6	< 0.17	< 0.17	0.53	86	61
D1422-39	SG-20	6	< 0.17	< 0.17	0.18	79	58
D1422-40	SBSG	1	< 1.0	< 1.0	< 1.0	88	63

QA/QC						
Method Blank						
P0915-B3		< 1	< 1	< 1	98	72
		% Recovery				
Lab Control Sample		TCP	HCP			
P0915-LCS3		101	101		86	67

TCMX = Tetracholoro-m-xylene
DCB = Decachlorobiphenyl
TCP = Trichlorobiphenyl
HCP = Hexachlorobiphenyl

003

MITKEM CORPORATION

VHB PCB Data Summary

QC Batch: P0915-B4

Concentration in ug/100 cm^2

						% Recovery	
Lab ID	**Client ID**	# Wipes	AR1242	AR1248	AR1254	TCMX	DCB
D1422-41	DSG-20	6	< 0.17	< 0.17	0.22	77	58

QA/QC

Method Blank						
P0915-B4		< 1	< 1	< 1	98	71
		% Recovery				
Lab Control Sample		TCP	HCP			
P0915-LCS4		110	106		86	62
P0915-LCS5		98	97			
	%RPD	11	9			

TCMX = Tetracholoro-m-xylene
DCB = Decachlorobiphenyl
TCP = Trichlorobiphenyl
HCP = Hexachlorobiphenyl

004

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CR-1
Lab ID: D1422-01
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	71%

ND=Not Detected

Number of wipes in composite sample container: 4.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CR-2
Lab ID: D1422-02
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	71%

ND=Not Detected

Number of wipes in composite sample container: 4.

006

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CR-3
Lab ID: D1422-03
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	106%
Decachlorobiphenyl	77%

ND=Not Detected

Number of wipes in composite sample container: 4.

007

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CR-5
Lab ID: D1422-05
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	97%
Decachlorobiphenyl	70%

ND=Not Detected

Number of wipes in composite sample container: 4.

008

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DCR-1
Lab ID: D1422-06
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.5
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	99%
Decachlorobiphenyl	74%

ND=Not Detected

Number of wipes in composite sample container: 4.

009

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: 1WBF
Lab ID: D1422-07
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.4
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	1.1	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	72%

ND=Not Detected

Number of wipes in composite sample container: 5.

010

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: 2WBF
Lab ID: D1422-08
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.4
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	1.0	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	111%
Decachlorobiphenyl	79%

ND=Not Detected

Number of wipes in composite sample container: 5.

011

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: 3WBF
Lab ID: D1422-09
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.4
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.9	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	70%

ND=Not Detected

Number of wipes in composite sample container: 5.

012

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: 4WBF
Lab ID: D1422-10
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.4
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.5	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	74%

ND=Not Detected

Number of wipes in composite sample container: 5.

013

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: D4WBF
Lab ID: D1422-11
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.4
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.4	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	104%
Decachlorobiphenyl	76%

ND=Not Detected

Number of wipes in composite sample container: 5.

014

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SB4WBF
Lab ID: D1422-12
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	105%
Decachlorobiphenyl	76%

ND=Not Detected

Number of wipes in composite sample container: 1.

015

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: ST-1
Lab ID: D1422-13
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.7
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	104%
Decachlorobiphenyl	76%

ND=Not Detected

Number of wipes in composite sample container: 3.

016

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: ST-2
Lab ID: D1422-14
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.3
Aroclor-1221	ND	0.7
Aroclor-1232	ND	0.3
Aroclor-1242	ND	0.3
Aroclor-1248	ND	0.3
Aroclor-1254	ND	0.3
Aroclor-1260	ND	0.3

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	107%
Decachlorobiphenyl	78%

ND=Not Detected

Number of wipes in composite sample container: 3.

017

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SBST-1
Lab ID: D1422-15
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	72%

ND=Not Detected

Number of wipes in composite sample container: 1.

01

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CW2K-5
Lab ID: D1422-16
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	110%
Decachlorobiphenyl	80%

ND=Not Detected

Number of wipes in composite sample container: 1.

019

D1422-16

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CW2L-5
Lab ID: D1422-17
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	75%

ND=Not Detected

Number of wipes in composite sample container: 1.

020

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CW2K-6
Lab ID: D1422-18
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	119%
Decachlorobiphenyl	78%

ND=Not Detected

Number of wipes in composite sample container: 1.

021

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: CW2L-6
Lab ID: D1422-19
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	96%
Decachlorobiphenyl	71%

ND=Not Detected

Number of wipes in composite sample container: 1.

022

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-1
Lab ID: D1422-20
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.4	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B2

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	103%
Decachlorobiphenyl	76%

ND=Not Detected

Number of wipes in composite sample container: 6.

023

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0915-B2
Analysis: Method 8080

Analysis Date: 9/19/97
Matrix: Wipe
Concentration in: ug/wipe
Dilution: 1

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

QC Batch: P0915-B2

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

ND=Not Detected

024

D1422-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0915-LCS2
Analysis: Method 8080

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

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	109
2,2',3,3',4,4'-Hexachlorobiphenyl	104

02

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-2
Lab ID: D1422-21
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	1.0	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	66%

ND=Not Detected

Number of wipes in composite sample container: 6.

D1422-21

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-3
Lab ID: D1422-22
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	1.8	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	64%

ND=Not Detected

Number of wipes in composite sample container: 6.

027

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-4
Lab ID: D1422-23
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.62	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	71%
Decachlorobiphenyl	56%

ND=Not Detected

Number of wipes in composite sample container: 6.

028

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-5
Lab ID: D1422-24
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.25	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	68%

ND=Not Detected

Number of wipes in composite sample container: 6.

02

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-8
Lab ID: D1422-27
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.45	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	100%
Decachlorobiphenyl	73%

ND=Not Detected

Number of wipes in composite sample container: 6.

032

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-11
Lab ID: D1422-30
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.32	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	69%

ND=Not Detected

Number of wipes in composite sample container: 6.

033

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-9
Lab ID: D1422-28
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.26	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	68%

ND=Not Detected

Number of wipes in composite sample container: 6.

034

D1422-28

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-10
Lab ID: D1422-29
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.18	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	84%
Decachlorobiphenyl	62%

ND=Not Detected

Number of wipes in composite sample container: 6.

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-11
Lab ID: D1422-30
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.32	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	93%
Decachlorobiphenyl	69%

ND=Not Detected

Number of wipes in composite sample container: 6.

036

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-12
Lab ID: D1422-31
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.44	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	61%

ND=Not Detected

Number of wipes in composite sample container: 6.

037

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-13
Lab ID: D1422-32
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.76	0.2
Aroclor-1260	ND	0.17

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	68%

ND=Not Detected

Number of wipes in composite sample container: 6.

038

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-14
Lab ID: D1422-33
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.84	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	92%
Decachlorobiphenyl	71%

ND=Not Detected

Number of wipes in composite sample container: 6.

039

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-15
Lab ID: D1422-34
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.47	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	104%
Decachlorobiphenyl	79%

ND=Not Detected

Number of wipes in composite sample container: 6.

040

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-16
Lab ID: D1422-35
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	ND	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	94%
Decachlorobiphenyl	73%

ND=Not Detected

Number of wipes in composite sample container: 6.

041

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-17
Lab ID: D1422-36
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	1.5	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

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

ND=Not Detected

Number of wipes in composite sample container: 6.

042

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-18
Lab ID: D1422-37
Analysis: Method 8080

Analysis Date: 9/21/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	2.6	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	124%
Decachlorobiphenyl	108%

ND=Not Detected

Number of wipes in composite sample container: 6.

043

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-19
Lab ID: D1422-38
Analysis: Method 8080

Analysis Date: 9/22/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.53	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	86%
Decachlorobiphenyl	61%

ND=Not Detected

Number of wipes in composite sample container: 6.

044

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SG-20
Lab ID: D1422-39
Analysis: Method 8080

Analysis Date: 9/22/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	0.18	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	80%
Decachlorobiphenyl	58%

ND=Not Detected

Number of wipes in composite sample container: 6.

045

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: SBSG
Lab ID: D1422-40
Analysis: Method 8080

Analysis Date: 9/22/97
Matrix: Wipe
Concentration in: ug/100 cm^2
Dilution: 1

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

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	88%
Decachlorobiphenyl	63%

ND=Not Detected

Number of wipes in composite sample container: 1.

046

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0915-B3
Analysis: Method 8080

Analysis Date: 9/20/97
Matrix: Wipe
Concentration in: ug/wipe
Dilution: 1

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

QC Batch: P0915-B3

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	72%

ND=Not Detected

047

D1422-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0915-LCS3
Analysis: Method 8080

Matrix: Wipe
Analysis Date for Blank Spike: 9/20/97

Analyte	% Recovery
2,4,4'-Trichlorobiphenyl	101
2,2',3,3',4,4'-Hexachlorobiphenyl	101

QC Batch: P0815-B3

048

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID: DSG-20
Lab ID: D1422-41
Analysis: Method 8080

Analysis Date: 9/22/97
Matrix: Wipe (Composite)
Concentration in: ug/100 cm^2
Dilution: 1

Analyte	Results	Reporting Limits
Aroclor-1016	ND	0.2
Aroclor-1221	ND	0.3
Aroclor-1232	ND	0.2
Aroclor-1242	ND	0.2
Aroclor-1248	ND	0.2
Aroclor-1254	ND	0.2
Aroclor-1260	ND	0.2

QC Batch: P0915-B4

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

ND=Not Detected

Number of wipes in composite sample container: 6.

049

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCB)

Client: VHB, Inc.
Client ID:
Lab ID: Method Blank, P0915-B4
Analysis: Method 8080

Analysis Date: 9/22/97
Matrix: Wipe
Concentration in: ug/wipe
Dilution: 1

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

QC Batch: P0915-B4

Surrogate Recovery:	
2,4,5,6-Tetrachloro-m-xylene	98%
Decachlorobiphenyl	71%

ND=Not Detected

050

D1422-MB

MITKEM CORPORATION

Analysis Report: Polychlorinated Biphenyls (PCBs)

Lab Control Summary

Client: VHB, Inc.
Lab ID for Blank Spike: P0915-LCS3
Lab ID for Blank Spike Duplicate: P0915-LCS4
Analysis: Method 8080

Matrix: Wipe
Analysis Date for Blank Spike: 9/20/97
Analysis Date for Blank Spike: 9/20/97

% Recovery

Analyte	Blank Spike	Blank Spike Duplicate	%RPD
2,4,4'-Trichlorobiphenyl	110	98	12
2,2',3,3',4,4'-Hexachlorobiphenyl	106	97	9

QC Batch: P0815-B4

051

MITKEM CORPORATION

Lab Project #: D1422 R2
Client Name: **Vanasse Hangen Brustlin, Inc.**
Client Proj #: **05437**
Client PO #: **05437**
Project Name: **Boliden Metech**
Date Due: **9/22/97**
Total Price: $ -
Project Mgr: PAS
Salesman: PAS
Del Req'd: NA
Completed?: YES

Logged In By: MMM
Reviewed By: _____
Date: 9-16-97 Time: 3:34

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-01	CR-1	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-02	CR-2	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-03	CR-3	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-05	CR-5	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-06	DCR-1	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-07	1WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-08	2WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-09	3WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-10	4WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-11	D4WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-12	SB4WBF	Wipe	PCBs 8080		9/12/97	9/12/97					1					

052

MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-13	ST-1	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-14	ST-2	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-15	SBST-1	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-16	CW2K-5	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-17	CW2L-5	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-18	CW2K-6	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-19	CW2L-6	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-20	SG-1	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-21	SG-2	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-22	SG-3	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-23	SG-4	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-24	SG-5	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-25	SG-6	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-26	SG-7	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-27	SG-8	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-28	SG-9	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-29	SG-10	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-30	SG-11	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-31	SG-12	Wipe	PCBs 8080		9/12/97	9/12/97					1					

053

MITKEM CORPORATION

Lab ID	Client ID	Matrix	Analysis	Price	Sampled	Received	TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
-32	SG-13	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-33	SG-14	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-34	SG-15	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-35	SG-16	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-36	SG-17	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-37	SG-18	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-38	SG-19	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-39	SG-20	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-40	SBSG	Wipe	PCBs 8080		9/12/97	9/12/97					1					
-41	DSG-20	Wipe	PCBs 8080		9/12/97	9/12/97					1					

TPH	IR	BNA	Herb	P/P	Wet	Met	V-GC	V-MS	Sub
	0		0	40	0	0	0	0	0

NOTES: R1: Due date change
R2: Sample -04 deleted per client

ORIGINAL REPORT GOES TO:
Vanasse Hangen Brustlin, Inc.
101 Walnut Street, PO Box 9151
Watertown, MA 02272
Attn: Dave Carlson
Phone: 617 924-1770
Fax: 617 923-2336

INVOICE GOES TO:
Same
Attn: Accounts Payable

ADDITIONAL REPORT GOES TO:
None

CHAIN OF CUSTODY RECORD

Client/Project Name: Boliden Metech	Project Location: Providence RI - Allens Ave
Project No.: 5437.14	Field Logbook No.:
Sampler: (Signature) J.G	Chain of Custody Tape No.:

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	PCBs							REMARKS
CR-1	9/12	8:30		Wipe Sample	X							
CR-2	9/12	8:35		Wipe Sample	X							
CR-3	9/12	8:40		Wipe Sample	X							
CR-4	9/12	8:45		Wipe Sample								No Sample
CR-5	9/12	8:50		Wipe Samp	X							
DR-1	9/12	8:55			X							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/12	13:20	[signature]		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
Sample Disposal Method:	Disposed of by: (Signature)			Date	Time

SAMPLE COLLECTOR

055

Vynaise Hanga Broslin

boliden metech, inc.
P.O. BOX 500 • MAPLEVILLE, RHODE ISLAND 02839
TEL. (401) 431-1300 • FAX (401) 438-6931

2/6

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
Boliden Metech	Providence RI - Allens Ave
Project No.	**Field Logbook No.**
5437.14	
Sampler: (Signature)	**Chain of Custody Tape No.**
J.G	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	PCB	ANALYSES					REMARKS
1WBF	9/12	9:00		Concrete Wipe	X						
2WBF	9/12	9:10		Wipe Sample	X						
3WBF	9/12	9:20		Wipe Sample	X						
4WBF	9/12	9:30		Wipe Sample	X						
D4WBF	9/12	9:35		Wipe Sample	X						
SB4WBF	9/12	9:45		Wipe Sample	X						

Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
	9/12	13:20	Ed Fowler		
Relinquished by: *(Signature)*	Date	Time	Received by: *(Signature)*	Date	Time
Relinquished by: *(Signature)*	Date	Time	Received for Laboratory: *(Signature)*	Date	Time
Sample Disposal Method:	Disposed of by: *(Signature)*			Date	Time

SAMPLE COLLECTOR

Vanessa Hungea Brostlin

boliden metech, inc.

P.O. BOX 500 • MAPLEVILLE, RHODE ISLAND 02839

TEL. (401) 431-1300 • FAX (401) 438-6931

050

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
Boliden Metech	Providence, RI - Allens Ave
Project No. 5437.141	**Field Logbook No.**
Sampler: (Signature) J.G	**Chain of Custody Tape No.**

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	ANALYSES: PCB	REMARKS
ST-1	9/12	10:00		Wipe Sample	X	
ST-2	9/12	10:10		Wipe Sample	X	
SBST-1	9/12	10:15		Wipe Sample	X	
CW2K-5	9/12	10:30		Wipe Sample	X	
CW2L-5	9/12	10:35		Wipe Sample	X	
CW2K-6	9/12	10:40		Wipe Sample	X	
CW2L-6	9/12	10:45		Wipe Sample	X	

	Date	Time		Date	Time
Relinquished by: (Signature)	9/12	13:20	Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received for Laboratory: (Signature)		
Sample Disposal Method:			Disposed of by: (Signature)		

SAMPLE COLLECTOR

Vanessa Hanger Brostrom

boliden metech, inc.

P.O. BOX 500 • MAPLEVILLE, RHODE ISLAND 02839
TEL. (401) 431-1300 • FAX (401) 438-6931

4c

CHAIN OF CUSTODY RECORD

Client/Project Name: Bolidan Metech	Project Location: Providance, RI - Allen Ave	ANALYSES: PCB
Project No.: E45437114	Field Logbook No.	
Sampler: (Signature) J.G	Chain of Custody Tape No.	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	PCB						REMARKS
SG-1	9/12	11:30		Wipe Sample	X						
SG-2	9/12	11:35		Wipe Sample	X						
SG-3	9/12	11:40		Wipe Sample	X						
SG-4	9/12	11:45		Wipe Sample	X						
SG-5	9/12	11:50		Wipe Sample	X						
SG-6	9/12	11:55		Wipe Sample	X						
SG-7	9/12	12:00		Wipe Sample	X						
SG-8	9/12	12:05		Wipe Sample	X						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/12/97	13:20	[signature]		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
Sample Disposal Method:			Disposed of by: (Signature)	Date	Time

SAMPLE COLLECTOR

058

Bolíden Metech, Inc.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location	ANALYSES
Boliden Metech	Providence, RI - Allens Ave	
Project No. 5437.14	Field Logbook No.	
Sampler: (Signature) UG	Chain of Custody Tape No.	

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	PCBs						REMARKS
SG-9	9/12	12:10		Wipe Samples	X						
SG-10	9/12	12:15		Wipe Samples	X						
SG-11	9/12	12:20		Wipe Samples	X						
SG-12	9/12	12:25		Wipe Samples	X						
SG-13	9/12	12:30		Wipe Samples	X						
SG-14	9/12	12:35		Wipe Samples	X						
SG-15	9/12	12:40		Wipe Samples	X						
SG-16	9/12	12:45		Wipe Samples	X						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	9/12/97	13:20	Ed Lawler		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
Sample Disposal Method:	Disposed of by: (Signature)			Date	Time

SAMPLE COLLECTOR

059

boliden metech, inc.
P.O. BOX 500 • MAPLEVILLE, RHODE ISLAND 02839
TEL. (401) 431-1300 • FAX (401) 438-6931

96

CHAIN OF CUSTODY RECORD

Client/Project Name: Boliden Metech

Project Location: Providence RI - Allens Ave

Project No.: 5437.14

Field Logbook No.:

Sampler: (Signature) J.G.

Chain of Custody Tape No.:

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	ANALYSES: PCBs						REMARKS
SG-17	9/12	12:47	[illegible]	Wipe Sample	X						
SG-18	9/12	12:50	[illegible]	Wipe Sample	X						
SG-19	9/12	12:55	[illegible]	Wipe Sample	X						
SG-20	9/12	12:58	[illegible]	Wipe Sample	X						
SBSG	9/12	1:00	[illegible]	Wipe Sample	X						
DSG-20	9/12	1:05	[illegible]	Wipe Sample	X						

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/12	13:20	Ed [signature]		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
Sample Disposal Method:			Disposed of by: (Signature)	Date	Time

SAMPLE COLLECTOR

090

boliden metech, inc.
P.O. BOX 500 • MAPLEVILLE, RHODE ISLAND 02839
TEL. (401) 431-1300 • FAX (401) 438-6931

Sample Chromatograms

VHB PCB Data

Matrix: Wipe samples

QC Batch: P0915-B2

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D\E1A2425R.D
Acq On : 19 Sep 97 09:39 PM Operator: JS/GML
Sample : D1422-01,CR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8677	7844	40.698	39.101
				Recovery	=	101.75%	97.75%
2) S	Decachlorobiphenyl	22.43	31.33	7464	3380	30.551	28.305
				Recovery	=	76.38%	70.76%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.01	40	88	0.567	1.240 #
4) M	2,2',3,3',4,4'-Hexa	17.11	21.96	237	82	1.513	0.519 #
5) L1	Aroclor-1016	6.98	10.67	27	66	0.976	2.461 #
6) L1	Aroclor-1016 (2)	8.47	12.01	40	88	1.066	3.051 #
7) L1	Aroclor-1016 (3)	9.49	0.00	76	0	3.515	N.D. #
	Total Aroclor-1016			143	154	5.557	5.511
	Average Aroclor-1016					1.852	2.756
8) L2	Aroclor-1221	3.43	0.00	89	0	10.454	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			89	0	10.454	N.D.
	Average Aroclor-1221					10.454	0.000
11) L3	Aroclor-1232	5.94f	0.00	47	0	3.538	N.D. #
12) L3	Aroclor-1232 (2)	6.98	10.67	27	66	2.190	5.280 #
13) L3	Aroclor-1232 (3)	8.47	12.01	40	88	2.512	7.219 #
	Total Aroclor-1232			114	154	8.239	12.499
	Average Aroclor-1232					2.746	6.250
14) L4	Aroclor-1242	6.98	10.67	27	66	0.727	1.822 #
15) L4	Aroclor-1242 (2)	8.47	12.01	40	88	0.915	2.277 #
16) L4	Aroclor-1242 (3)	9.49	13.18	76	116	2.670	5.327 #
17) L4	Aroclor-1242 (4)	10.24	14.36	82	148	3.351	6.454 #
18) L4	Aroclor-1242 (5)	10.55	14.84	75	141	3.784	10.100 #
	Total Aroclor-1242			300	558	11.447	25.981
	Average Aroclor-1242					2.289	5.196
19) L5	Aroclor-1248	10.24	15.33	82	117	3.475	5.975 #

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D\E1A2425R.D
Acq On : 19 Sep 97 09:39 PM Operator: JS/GML
Sample : D1422-01,CR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	15.55	75	114	3.862	5.725 #
21) L5	Aroclor-1248 {3}	0.00	16.56	0	120	N.D.	7.846 #
Total	Aroclor-1248			157	351	7.337	19.546
Average	Aroclor-1248					3.668	6.515
22) L6	Aroclor-1254	13.62	17.93	243	163	4.140	2.478 #
23) L6	Aroclor-1254 {2}	14.10	18.39	226	109	7.442	3.085 #
24) L6	Aroclor-1254 {3}	14.54	18.53f	211	146	6.746	5.111
25) L6	Aroclor-1254 (4)	14.90	18.88	243	86	9.060	3.012 #
26) L6	Aroclor-1254 (5)	16.02	20.43	272	104	5.633	2.346 #
Total	Aroclor-1254			1195	609	33.022	16.031
Average	Aroclor-1254					6.604	3.206
27) L7	Aroclor-1260	17.11	0.00	237	0	8.564	N.D. #
28) L7	Aroclor-1260 {2}	18.11	22.33	157	77	3.096	1.350 #
29) L7	Aroclor-1260 {3}	19.23	24.21	170	37	4.548	1.550 #
Total	Aroclor-1260			564	114	16.209	2.901
Average	Aroclor-1260					5.403	1.450

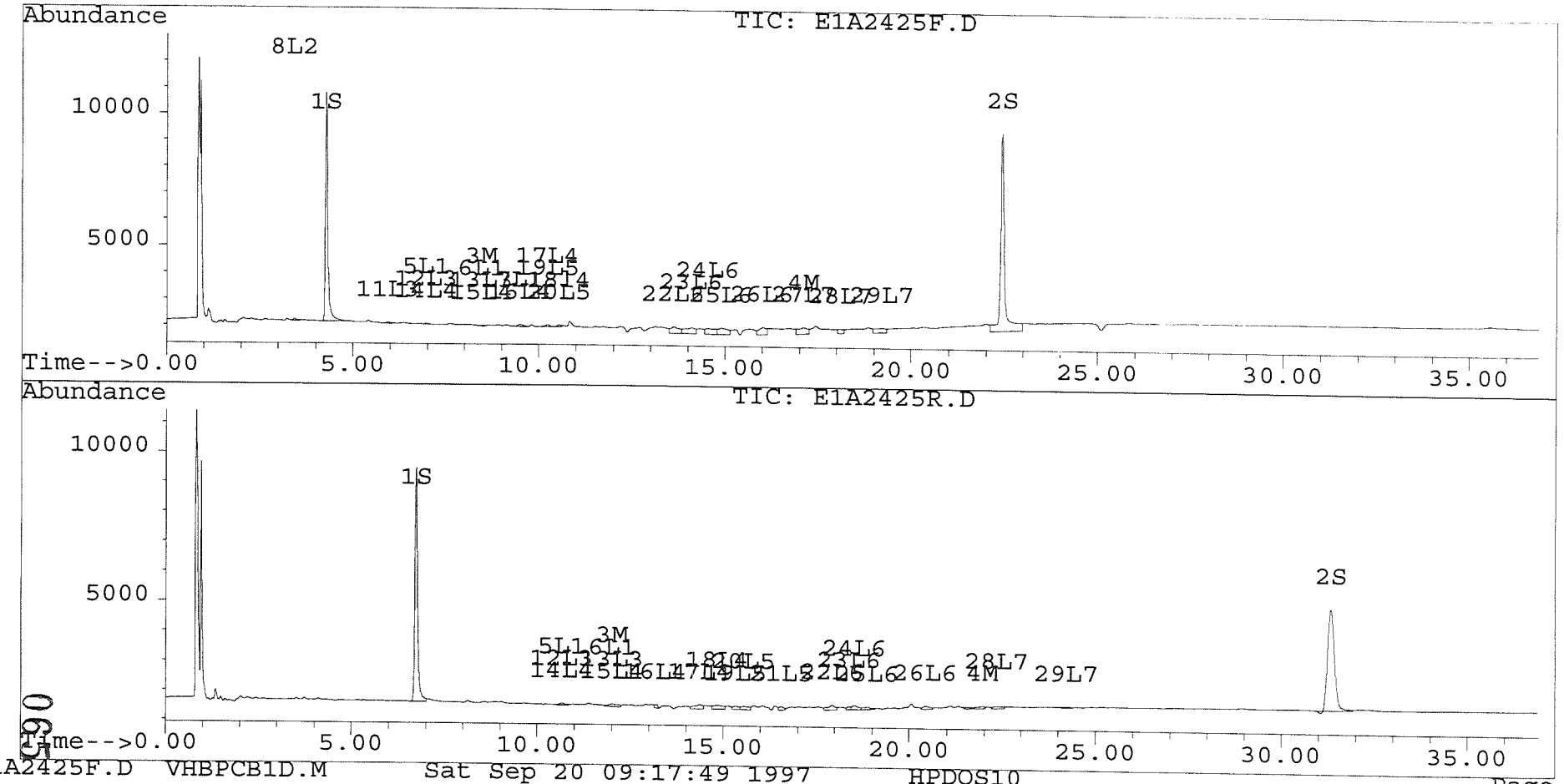
bc

064

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D Vial: 8
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2425F.D\E1A2425R.D
Acq On : 19 Sep 97 09:39 PM Operator: JS/GML
Sample : D1422-01,CR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2426F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2426F.D\E1A2426R.D
Acq On : 19 Sep 97 10:20 PM Operator: JS/GML
Sample : D1422-02,CR-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8604	8004	40.356	39.899
				Recovery	=	100.89%	99.75%
2) S	Decachlorobiphenyl	22.43	31.33	7262	3399	29.727	28.462
				Recovery	=	74.32%	71.16%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	0.00	12.04	0	22	N.D.	0.316 #
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	46	34	0.293	0.214 #
5) L1	Aroclor-1016	6.98	10.66	19	25	0.692	0.941 #
6) L1	Aroclor-1016 (2)	0.00	12.04	0	22	N.D.	0.777 #
7) L1	Aroclor-1016 (3)	9.50	0.00	55	0	2.542	N.D. #
Total	Aroclor-1016			74	48	3.233	1.718
Average	Aroclor-1016					1.617	0.859
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	19	25	1.551	2.019 #
13) L3	Aroclor-1232 (3)	0.00	12.04	0	22	N.D.	1.840 #
Total	Aroclor-1232			19	48	1.551	3.858
Average	Aroclor-1232					1.551	1.929
14) L4	Aroclor-1242	6.98	10.66	19	25	0.515	0.697 #
15) L4	Aroclor-1242 (2)	0.00	12.04	0	22	N.D.	0.580 #
16) L4	Aroclor-1242 (3)	9.50	13.18	55	59	1.931	2.702 #
17) L4	Aroclor-1242 (4)	10.26	14.37	54	83	2.229	3.643 #
18) L4	Aroclor-1242 (5)	10.57	14.81	40	62	2.026	4.461 #
Total	Aroclor-1242			168	252	6.701	12.084
Average	Aroclor-1242					1.675	2.417
19) L5	Aroclor-1248	10.26	15.34	54	56	2.311	2.842

066

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2426F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2426F.D\E1A2426R.D
Acq On : 19 Sep 97 10:20 PM Operator: JS/GML
Sample : D1422-02,CR-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

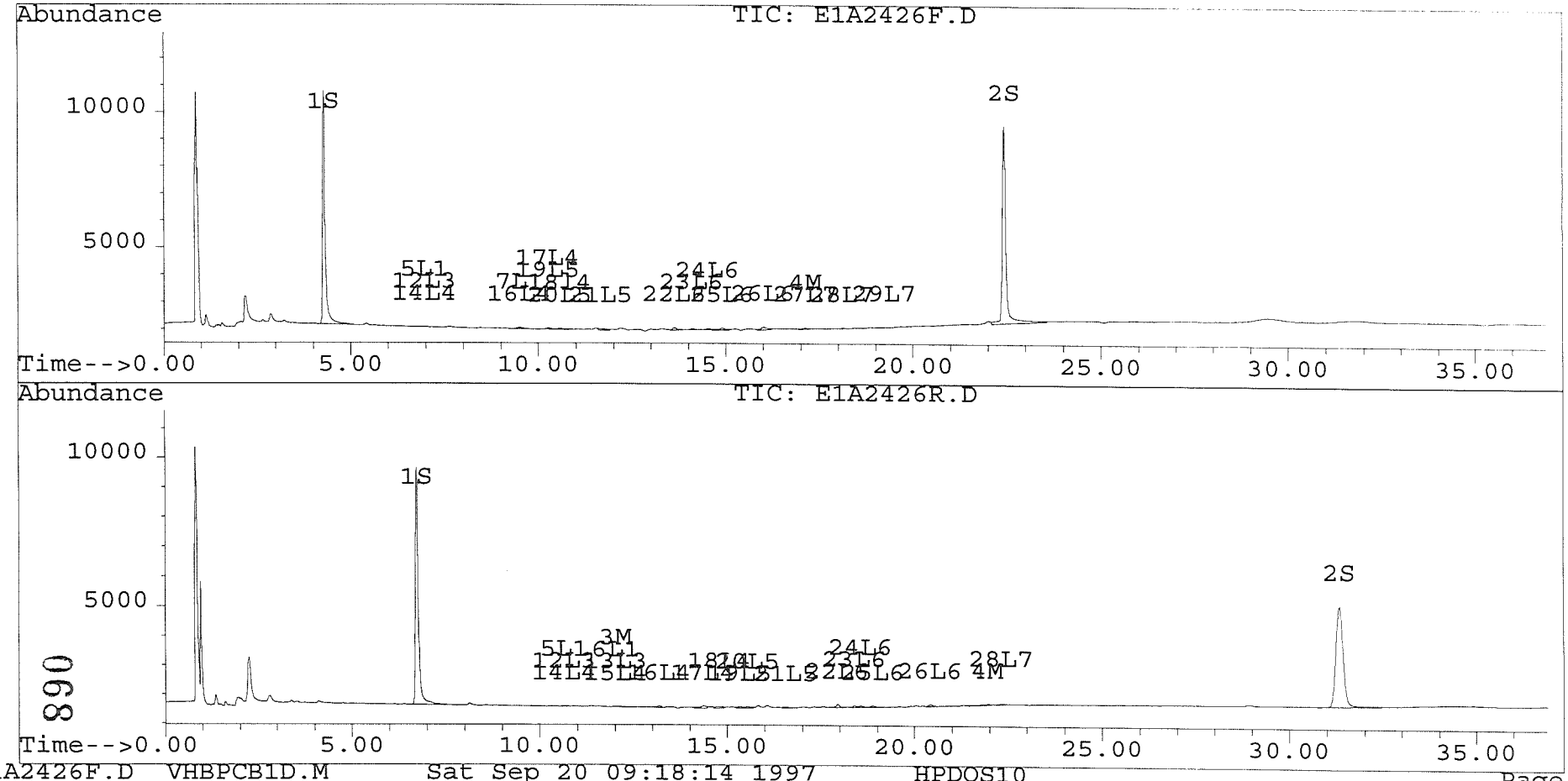
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
:0) L5	Aroclor-1248 {2}	10.57	15.55	40	50	2.068	2.524
:1) L5	Aroclor-1248 {3}	11.64	16.57	61	37	2.612	2.439
Total	Aroclor-1248			155	143	6.992	7.805
verage	Aroclor-1248					2.331	2.602
22) L6	Aroclor-1254	13.63	17.94	92	110	1.577	1.662
23) L6	Aroclor-1254 {2}	14.10	18.39	49	62	1.603	1.766
24) L6	Aroclor-1254 {3}	14.52	18.56	42	57	1.335	1.988 #
25) L6	Aroclor-1254 (4)	14.90	18.88	77	58	2.850	2.028 #
26) L6	Aroclor-1254 (5)	16.01	20.43	114	75	2.357	1.694 #
Total	Aroclor-1254			373	362	9.721	9.137
verage	Aroclor-1254					1.944	1.827
27) L7	Aroclor-1260	17.13	0.00	46	0	1.660	N.D. #
28) L7	Aroclor-1260 {2}	18.11	22.32	16	23	0.320	0.397
29) L7	Aroclor-1260 {3}	19.23	0.00	13	0	0.348	N.D. #
Total	Aroclor-1260			75	23	2.328	0.397
verage	Aroclor-1260					0.776	0.397

067

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2426F.D Vial: 9
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2426F.D\E1A2426R.D
Acq On : 19 Sep 97 10:20 PM Operator: JS/GML
Sample : D1422-02,CR-2,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:17 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2427F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2427F.D\E1A2427R.D
Acq On : 19 Sep 97 11:00 PM Operator: JS/GML
Sample : D1422-03,CR-3,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9506	8516	44.586	42.452
				Recovery	=	111.47%	106.13%
2) S	Decachlorobiphenyl	22.43	31.32	7812	3673	31.976	30.761
				Recovery	=	79.94%	76.90%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.02	23	49	0.325	0.695 #
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	121	33	0.773	0.211 #
5) L1	Aroclor-1016	6.98	10.66	33	35	1.207	1.327
6) L1	Aroclor-1016 {2}	8.47	12.02	23	49	0.611	1.709 #
7) L1	Aroclor-1016 {3}	9.50	0.00	76	0	3.504	N.D. #
Total	Aroclor-1016			132	85	5.323	3.035
Average	Aroclor-1016					1.774	1.518
8) L2	Aroclor-1221	3.43	0.00	106	0	12.503	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			106	0	12.503	N.D.
Average	Aroclor-1221					12.503	0.000
11) L3	Aroclor-1232	5.94f	0.00	26	0	1.936	N.D. #
12) L3	Aroclor-1232 {2}	6.98	10.66	33	35	2.708	2.847
13) L3	Aroclor-1232 {3}	8.47	12.02	23	49	1.441	4.044 #
Total	Aroclor-1232			82	85	6.084	6.890
Average	Aroclor-1232					2.028	3.445
14) L4	Aroclor-1242	6.98	10.66	33	35	0.899	0.983
15) L4	Aroclor-1242 {2}	8.47	12.02	23	49	0.525	1.276 #
16) L4	Aroclor-1242 {3}	9.50	13.18	76	103	2.662	4.726 #
17) L4	Aroclor-1242 (4)	10.25	14.38	93	137	3.813	5.996 #
18) L4	Aroclor-1242 (5)	10.55	14.82	86	100	4.339	7.158 #
Total	Aroclor-1242			311	424	12.237	20.139
Average	Aroclor-1242					2.447	4.028
19) L5	Aroclor-1248	10.25	15.34	93	86	3.954	4.366

069

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2427F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2427F.D\E1A2427R.D
Acq On : 19 Sep 97 11:00 PM Operator: JS/GML
Sample : D1422-03,CR-3,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

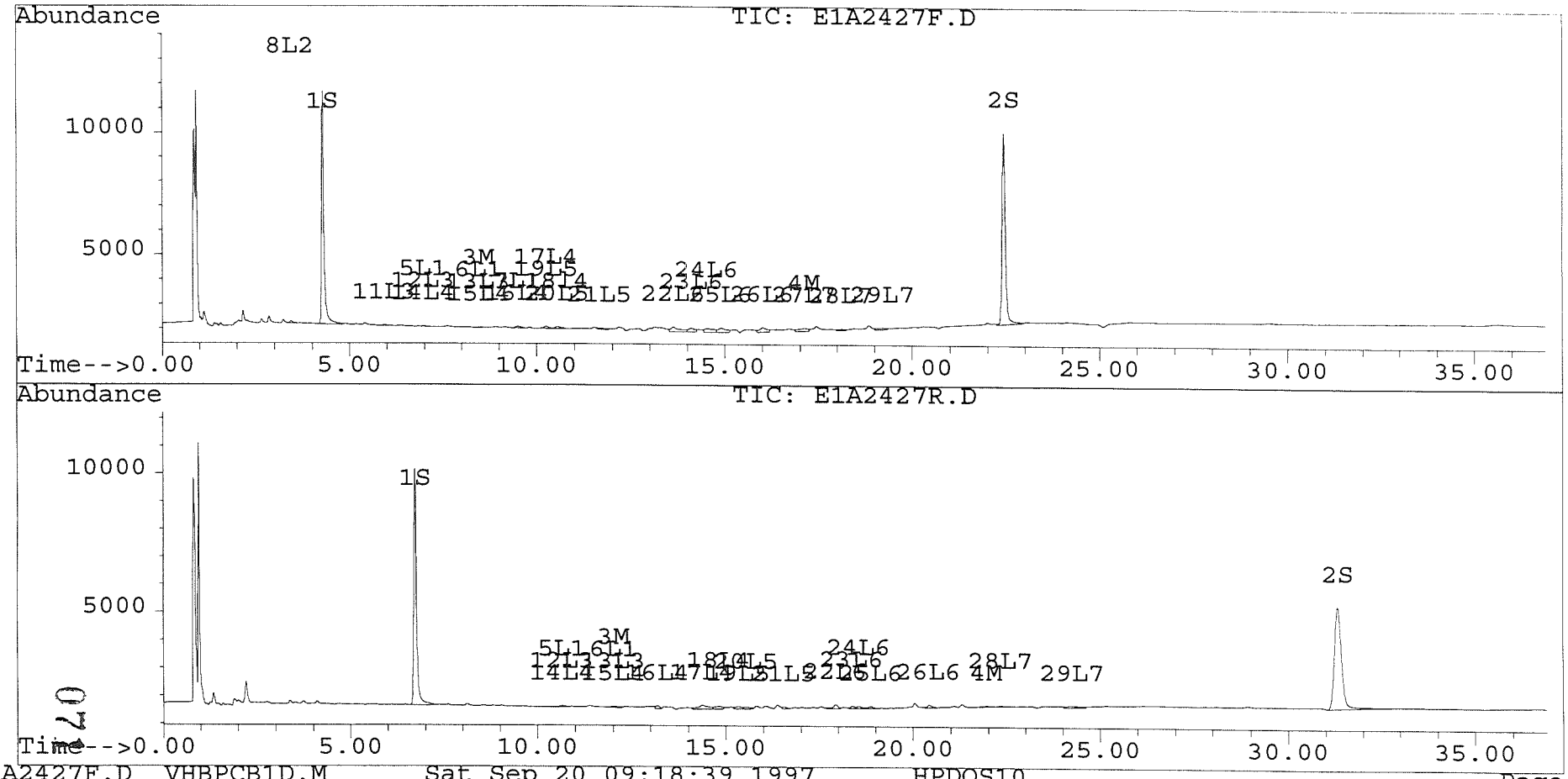
Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul
20) L5 Aroclor-1248 {2}	10.55	15.55	86	72	4.429	3.603
21) L5 Aroclor-1248 {3}	11.66	16.56	49	72	2.092	4.689 #
Total Aroclor-1248			228	229	10.474	12.659
Average Aroclor-1248					3.491	4.220
22) L6 Aroclor-1254	13.62	17.94	185	151	3.162	2.295 #
23) L6 Aroclor-1254 {2}	14.10	18.39	153	88	5.055	2.482 #
24) L6 Aroclor-1254 {3}	14.52	18.56	142	82	4.544	2.865 #
25) L6 Aroclor-1254 (4)	14.90	18.88	173	76	6.430	2.645 #
26) L6 Aroclor-1254 (5)	16.01	20.43	181	96	3.748	2.150 #
Total Aroclor-1254			835	492	22.938	12.437
Average Aroclor-1254					4.588	2.487
27) L7 Aroclor-1260	17.12	0.00	121	0	4.375	N.D. #
28) L7 Aroclor-1260 {2}	18.11	22.34	54	24	1.067	0.423 #
29) L7 Aroclor-1260 {3}	19.22	24.24	58	50	1.562	2.080 #
Total Aroclor-1260			233	74	7.003	2.503
Average Aroclor-1260					2.334	1.252

070

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2427F.D Vial: 10
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2427F.D\E1A2427R.D
Acq On : 19 Sep 97 11:00 PM Operator: JS/GML
Sample : D1422-03,CR-3,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2428F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2428F.D\E1A2428R.D
Acq On : 19 Sep 97 11:41 PM Operator: JS/GML
Sample : D1422-05,CR-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8523	7751	39.979	38.638	
				Recovery	=	99.95%	96.60%	
2) S	Decachlorobiphenyl	22.43	31.33	7269	3323	29.753	27.826	
				Recovery	=	74.38%	69.57%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.47	12.03	171	219	2.400	3.083	#
4) M	2,2',3,3',4,4'-Hexa	17.13	21.96	290	239	1.851	1.520	
5) L1	Aroclor-1016	6.98	10.66	79	98	2.891	3.666	#
6) L1	Aroclor-1016 {2}	8.47	12.03	171	219	4.514	7.585	#
7) L1	Aroclor-1016 {3}	9.52	12.61	226	97	10.455	7.038	#
Total	Aroclor-1016			476	413	17.861	18.288	
Average	Aroclor-1016					5.954	6.096	
8) L2	Aroclor-1221	3.43	0.00	75	0	8.796	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	33	28	1.879	1.911	
Total	Aroclor-1221			107	28	10.675	1.911	
Average	Aroclor-1221					5.337	1.911	
11) L3	Aroclor-1232	5.90	9.14	33	28	2.435	2.375	
12) L3	Aroclor-1232 {2}	6.98	10.66	79	98	6.486	7.867	
13) L3	Aroclor-1232 {3}	8.47	12.03	171	219	10.638	17.949	#
Total	Aroclor-1232			283	345	19.558	28.191	
Average	Aroclor-1232					6.519	9.397	
14) L4	Aroclor-1242	6.98	10.66	79	98	2.153	2.715	#
15) L4	Aroclor-1242 {2}	8.47	12.03	171	219	3.876	5.662	#
16) L4	Aroclor-1242 {3}	9.52	13.18	226	215	7.942	9.889	
17) L4	Aroclor-1242 (4)	10.26	14.37	253	264	10.412	11.526	
18) L4	Aroclor-1242 (5)	10.57	14.81	209	238	10.514	17.076	#
Total	Aroclor-1242			938	1033	34.896	46.869	
Average	Aroclor-1242					6.979	9.374	
19) L5	Aroclor-1248	10.26	15.33	253	242	10.796	12.857	

GL

072

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2428F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2428F.D\E1A2428R.D
Acq On : 19 Sep 97 11:41 PM Operator: JS/GML
Sample : D1422-05,CR-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	209	219	10.732	11.002	
21) L5	Aroclor-1248 {3}	11.65	16.57	283	175	12.175	11.495	
Total	Aroclor-1248			745	636	33.703	34.854	
Average	Aroclor-1248					11.234	11.618	
22) L6	Aroclor-1254	13.62	17.94	618	640	10.539	9.719	
23) L6	Aroclor-1254 {2}	14.10	18.38	450	438	14.815	12.409	
24) L6	Aroclor-1254 {3}	14.50	18.56	458	344	14.647	12.074	
25) L6	Aroclor-1254 (4)	14.90	18.88	526	393	19.590	13.681	#
26) L6	Aroclor-1254 (5)	16.01	20.43	765	635	15.822	14.271	
Total	Aroclor-1254			2817	2450	75.415	62.153	
Average	Aroclor-1254					15.083	12.431	
27) L7	Aroclor-1260	17.13	21.83	290	96	10.478	3.928	#
28) L7	Aroclor-1260 {2}	18.11	22.32	172	229	3.392	4.001	
29) L7	Aroclor-1260 {3}	19.22	24.22	144	135	3.858	5.625	#
Total	Aroclor-1260			606	460	17.729	13.555	
Average	Aroclor-1260					5.910	4.518	

073

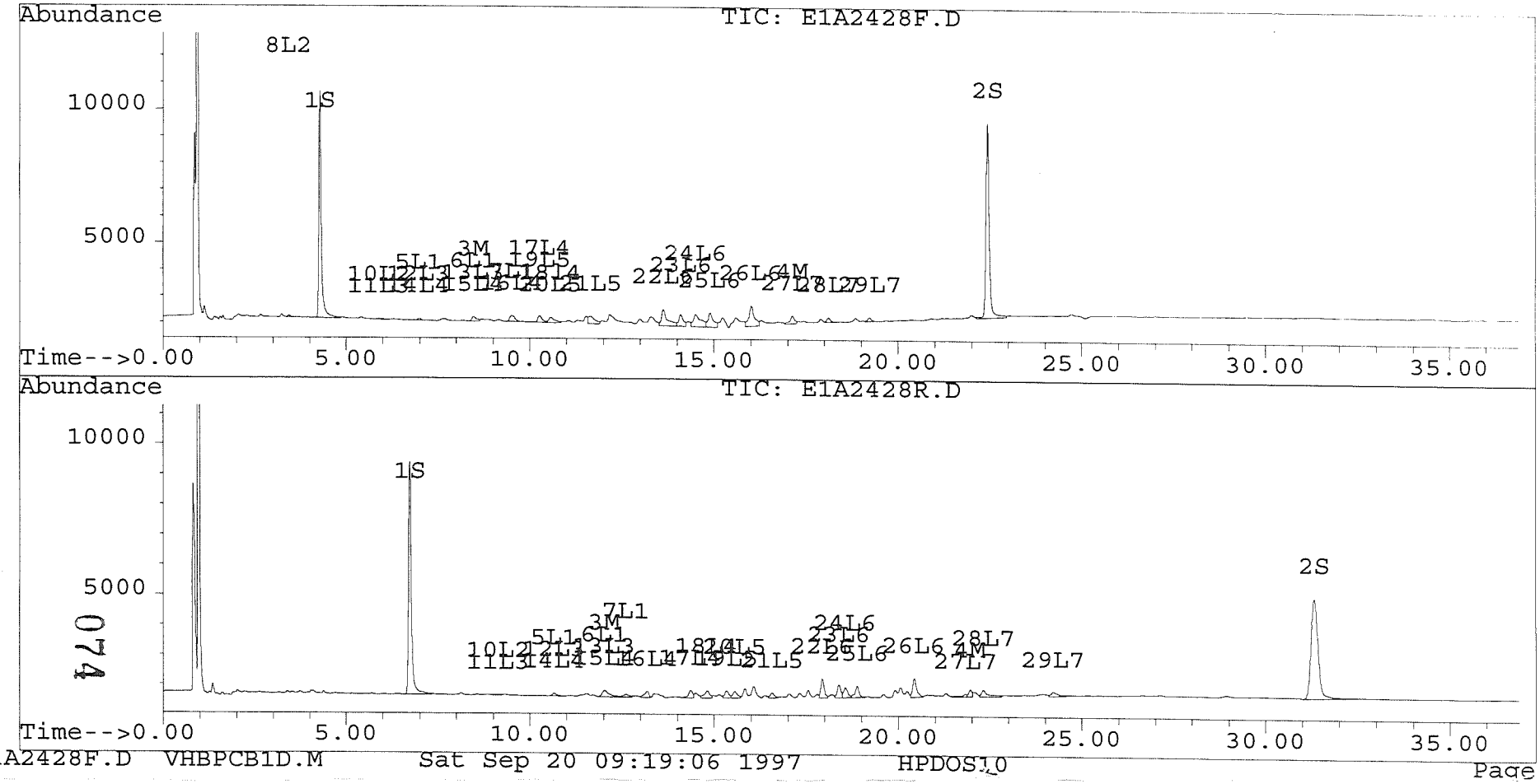
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2428F.D Vial: 11
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2428F.D\E1A2428R.D
Acq On : 19 Sep 97 11:41 PM Operator: JS/GML
Sample : D1422-05,CR-5,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:18 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2429F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2429F.D\E1A2429R.D
Acq On : 20 Sep 97 00:22 AM Operator: JS/GML
Sample : D1422-06,DCR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8545	7981	40.079	39.783
				Recovery	=	100.20%	99.46%
2) S	Decachlorobiphenyl	22.43	31.32	7543	3514	30.875	29.432
				Recovery	=	77.19%	73.58%
	Target Compounds						
3) M	2,4,4'-Trichlorobip	8.47	12.00	34	93	0.479	1.307 #
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	72	66	0.462	0.418
5) L1	Aroclor-1016	6.98	10.66	27	52	0.981	1.946 #
6) L1	Aroclor-1016 {2}	8.47	12.00	34	93	0.900	3.214 #
7) L1	Aroclor-1016 {3}	9.50	0.00	70	0	3.259	N.D. #
Total	Aroclor-1016			131	145	5.141	5.161
Average	Aroclor-1016					1.714	2.580
8) L2	Aroclor-1221	3.43	0.00	56	0	6.574	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			56	0	6.574	N.D.
Average	Aroclor-1221					6.574	0.000
11) L3	Aroclor-1232	5.94f	0.00	37	0	2.787	N.D. #
12) L3	Aroclor-1232 {2}	6.98	10.66	27	52	2.202	4.176 #
13) L3	Aroclor-1232 {3}	8.47	12.00	34	93	2.122	7.607 #
Total	Aroclor-1232			98	145	7.110	11.783
Average	Aroclor-1232					2.370	5.892
14) L4	Aroclor-1242	6.98	10.66	27	52	0.731	1.442 #
15) L4	Aroclor-1242 {2}	8.47	12.00	34	93	0.773	2.400 #
16) L4	Aroclor-1242 {3}	9.50	13.19	70	135	2.475	6.212 #
17) L4	Aroclor-1242 (4)	10.25	14.36	80	145	3.277	6.311 #
18) L4	Aroclor-1242 (5)	10.56	14.81	64	116	3.201	8.331 #
Total	Aroclor-1242			275	540	10.458	24.695
Average	Aroclor-1242					2.092	4.939
19) L5	Aroclor-1248	10.25	15.33	80	109	3.398	5.555 #

075

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

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2429F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2429F.D\E1A2429R.D
Acq On : 20 Sep 97 00:22 AM Operator: JS/GML
Sample : D1422-06,DCR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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

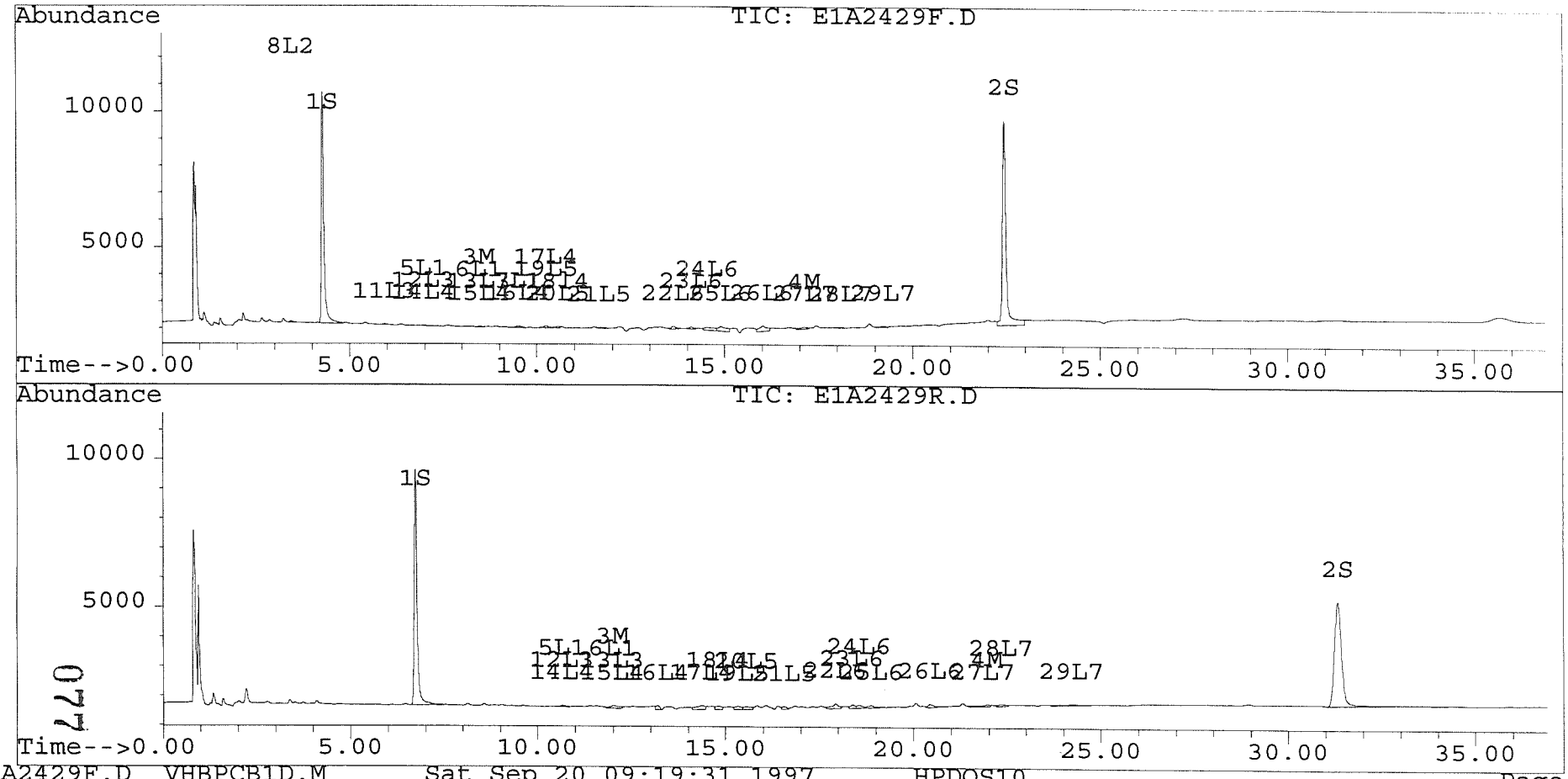
	Compound	RT#1	RT#2	Resp#1	Resp#2	pg/ul	pg/ul	
20) L5	Aroclor-1248 {2}	10.56	15.55	64	99	3.268	4.994	#
21) L5	Aroclor-1248 {3}	11.65	16.56	34	92	1.482	6.002	#
Total	Aroclor-1248			178	300	8.148	16.551	
Average	Aroclor-1248					2.716	5.517	
22) L6	Aroclor-1254	13.62	17.94	107	167	1.825	2.532	#
23) L6	Aroclor-1254 {2}	14.10	18.39	78	121	2.574	3.438	#
24) L6	Aroclor-1254 {3}	14.52	18.56	109	107	3.491	3.740	
25) L6	Aroclor-1254 (4)	14.90	18.88	179	92	6.662	3.201	#
26) L6	Aroclor-1254 (5)	16.01	20.43	204	108	4.219	2.419	#
Total	Aroclor-1254			677	594	18.770	15.330	
Average	Aroclor-1254					3.754	3.066	
27) L7	Aroclor-1260	17.12	21.83	72	43	2.613	1.764	#
28) L7	Aroclor-1260 {2}	18.10	22.34	19	67	0.377	1.171	#
29) L7	Aroclor-1260 {3}	19.23	24.22	40	30	1.064	1.272	
Total	Aroclor-1260			131	141	4.054	4.207	
Average	Aroclor-1260					1.351	1.402	

076

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2429F.D Vial: 12
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2429F.D\E1A2429R.D
Acq On : 20 Sep 97 00:22 AM Operator: JS/GML
Sample : D1422-06,DCR-1,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,4000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2430F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2430F.D\E1A2430R.D
Acq On : 20 Sep 97 01:02 AM Operator: JS/GML
Sample : D1422-07,1WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8954	8056	41.998	40.158	
				Recovery	=	105.00%	100.40%	
2) S	Decachlorobiphenyl	22.43	31.32	7362	3440	30.133	28.810	
				Recovery	=	75.33%	72.02%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.45	12.02	2041	2099	28.574	29.562	
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	1942	1419	12.415	9.029	#
5) L1	Aroclor-1016	6.98	10.66	503	532	18.440	19.935	
6) L1	Aroclor-1016 (2)	8.45	12.02	2041	2099	53.749	72.728	#
7) L1	Aroclor-1016 (3)	9.51	12.60	3149	806	145.792	58.689	#
Total	Aroclor-1016			5692	3437	217.981	151.352	
Average	Aroclor-1016					72.660	50.451	
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)	5.89	9.13	86	95	4.983	6.471	#
Total	Aroclor-1221			86	95	4.983	6.471	
Average	Aroclor-1221					4.983	6.471	
11) L3	Aroclor-1232	5.89	9.13	86	95	6.456	8.040	
12) L3	Aroclor-1232 (2)	6.98	10.66	503	532	41.364	42.778	
13) L3	Aroclor-1232 (3)	8.45	12.02	2041	2099	126.658	172.111	#
Total	Aroclor-1232			2630	2726	174.478	222.929	
Average	Aroclor-1232					58.159	74.310	
14) L4	Aroclor-1242	6.98	10.66	503	532	13.728	14.765	
15) L4	Aroclor-1242 (2)	8.45	12.02	2041	2099	46.150	54.296	
16) L4	Aroclor-1242 (3)	9.51	13.18	3149	2255	110.744	103.800	
17) L4	Aroclor-1242 (4)	10.25	14.36	2992	2472	122.890	107.956	
18) L4	Aroclor-1242 (5)	10.56	14.81	2348	2358	118.194	169.391	#
Total	Aroclor-1242			11032	9716	411.706	450.208	
Average	Aroclor-1242					82.341	90.042	
19) L5	Aroclor-1248	10.25	15.32	2992	2528	127.427	129.073	

078

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2430F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2430F.D\E1A2430R.D
Acq On : 20 Sep 97 01:02 AM Operator: JS/GML
Sample : D1422-07,1WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	2348	2214	120.639	111.326	
21) L5	Aroclor-1248 (3)	11.63	16.56	3066	1507	132.096	98.738	#
Total	Aroclor-1248			8406	6250	380.163	339.137	
Average	Aroclor-1248					126.721	113.046	
22) L6	Aroclor-1254	13.61	17.93	5792	6033	98.832	91.544	
23) L6	Aroclor-1254 (2)	14.09	18.37	3357	4034	110.564	114.198	
24) L6	Aroclor-1254 (3)	14.48	18.56	3763	3021	120.249	105.981	
25) L6	Aroclor-1254 (4)	14.89	18.88	3660	3515	136.323	122.477	
26) L6	Aroclor-1254 (5)	16.00	20.42	5733	4872	118.544	109.512	
Total	Aroclor-1254			22304	21474	584.511	543.711	
Average	Aroclor-1254					116.902	108.742	
27) L7	Aroclor-1260	17.12	21.82	1942	603	70.271	24.580	#
28) L7	Aroclor-1260 (2)	18.10	22.31	1588	1639	31.267	28.682	
29) L7	Aroclor-1260 (3)	19.21	24.22	1194	818	32.011	34.193	
Total	Aroclor-1260			4724	3060	133.548	87.455	
Average	Aroclor-1260					44.516	29.152	

543.711 * 10 / (5 * 1000) = 1.1 ug/wipe

KC

079

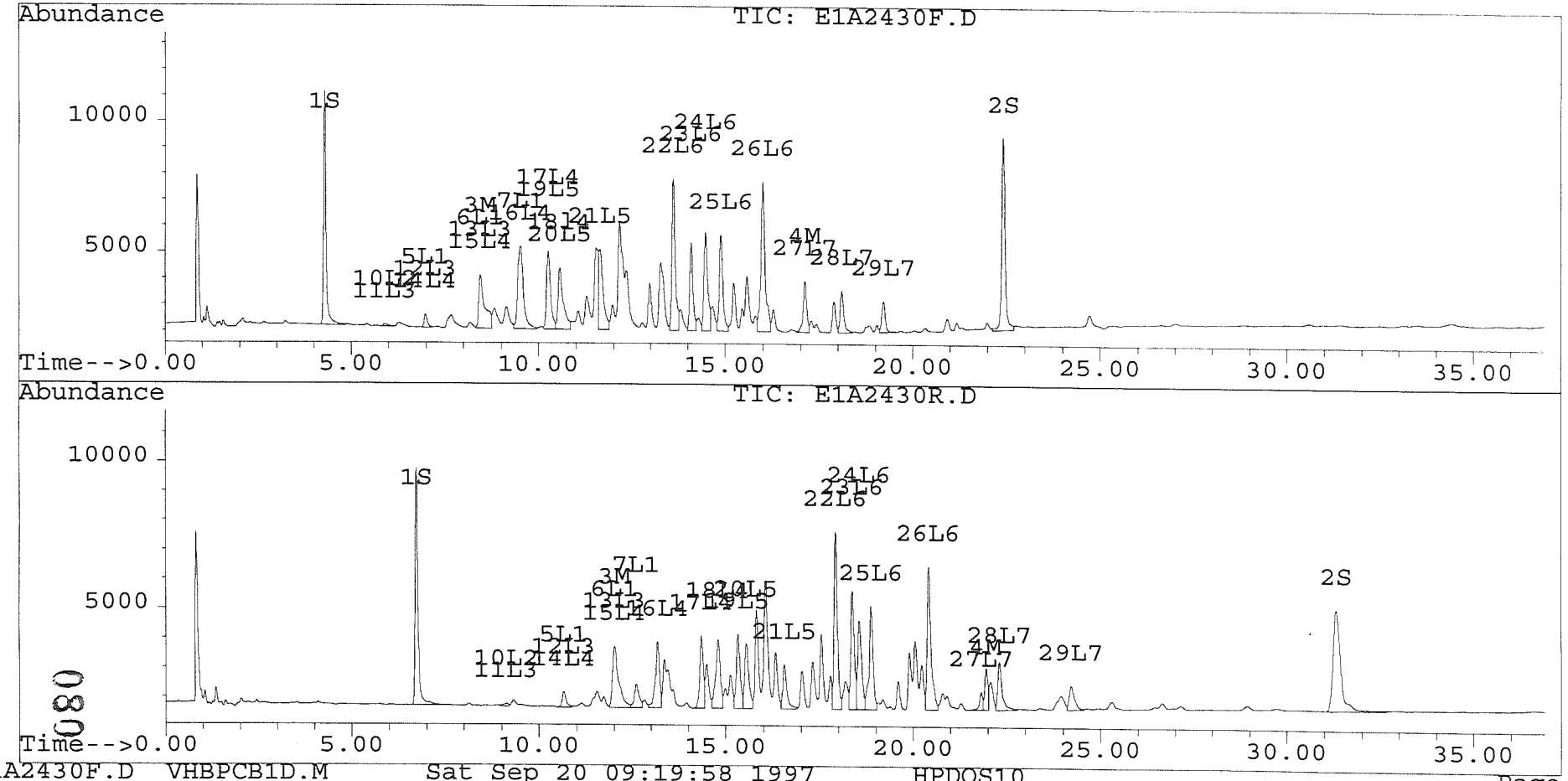
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2430F.D Vial: 13
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2430F.D\E1A2430R.D
Acq On : 20 Sep 97 01:02 AM Operator: JS/GML
Sample : D1422-07,1WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:19 1997

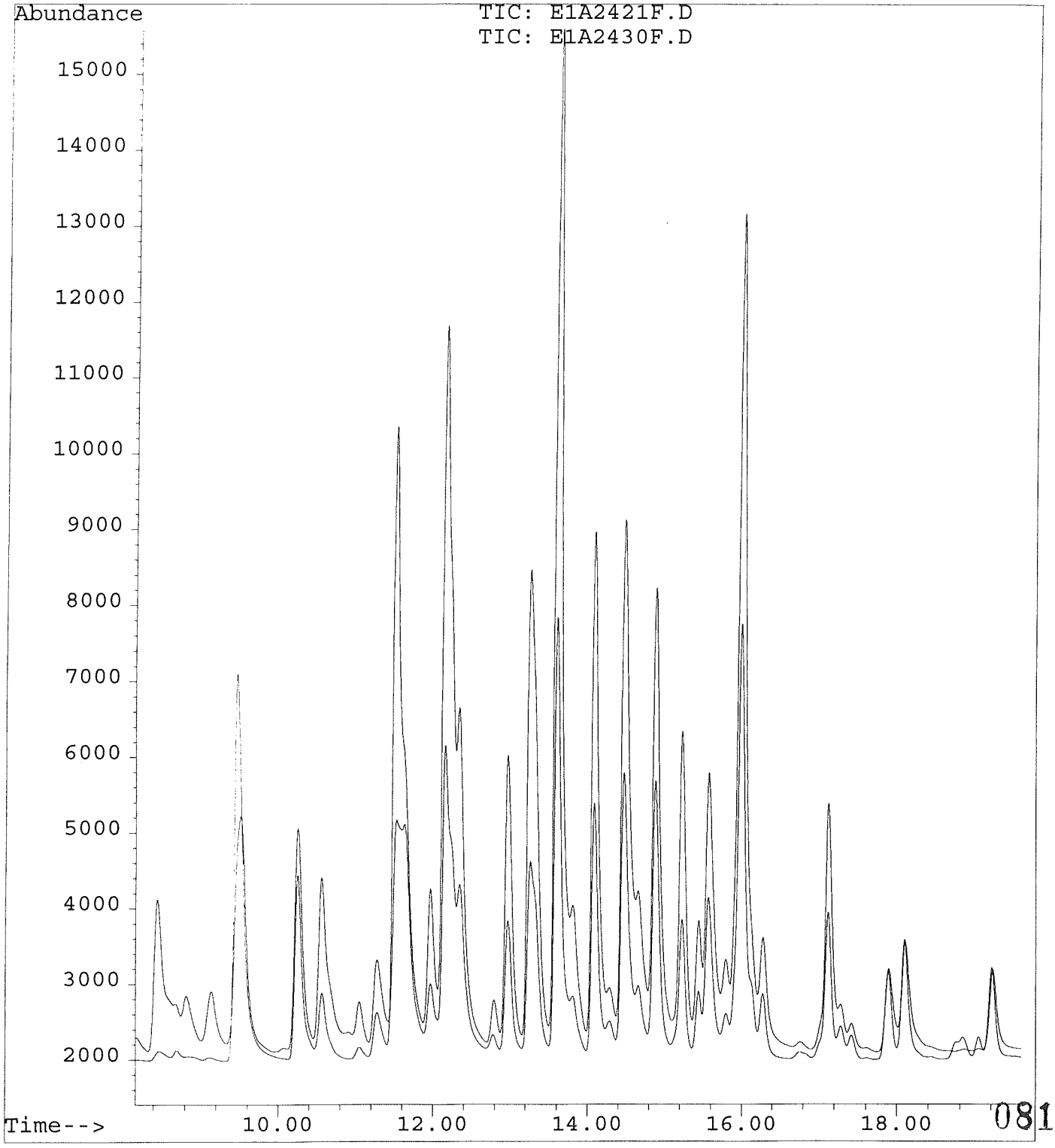
Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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



(080)

File : C:\HPCHEM\5\DATA\SEP97\970919\E1A2421F.D
Operator : JS/GML
Acquired : 19 Sep 97 06:57 PM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DE,AR1254DE,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 4



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D\E1A2431R.D
Acq On : 20 Sep 97 01:43 AM Operator: JS/GML
Sample : D1422-08,2WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	9948	8917	46.660	44.454	
				Recovery	=	116.65%	111.14%	
2) S	Decachlorobiphenyl	22.43	31.32	8111	3795	33.199	31.785	
				Recovery	=	83.00%	79.46%	
	Target Compounds							
3) M	2,4,4'-Trichlorobip	8.45	12.03	2057	2073	28.797	29.193	
4) M	2,2',3,3',4,4'-Hexa	17.12	21.96	1630	1343	10.420	8.541	
5) L1	Aroclor-1016	6.98	10.66	467	489	17.130	18.328	
6) L1	Aroclor-1016 (2)	8.45	12.03	2057	2073	54.169	71.821	#
7) L1	Aroclor-1016 (3)	9.51	12.61	3019	773	139.778	56.312	#
Total	Aroclor-1016			5542	3335	211.078	146.461	
Average	Aroclor-1016					70.359	48.820	
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)	5.89	9.13	79	85	4.527	5.762	#
Total	Aroclor-1221			79	85	4.527	5.762	
Average	Aroclor-1221					4.527	5.762	
11) L3	Aroclor-1232	5.89	9.13	79	85	5.866	7.159	
12) L3	Aroclor-1232 (2)	6.98	10.66	467	489	38.427	39.329	
13) L3	Aroclor-1232 (3)	8.45	12.03	2057	2073	127.648	169.963	#
Total	Aroclor-1232			2602	2647	171.941	216.451	
Average	Aroclor-1232					57.314	72.150	
14) L4	Aroclor-1242	6.98	10.66	467	489	12.753	13.575	
15) L4	Aroclor-1242 (2)	8.45	12.03	2057	2073	46.511	53.618	
16) L4	Aroclor-1242 (3)	9.51	13.18	3019	2240	106.176	103.120	
17) L4	Aroclor-1242 (4)	10.25	14.36	2901	2411	119.143	105.321	
18) L4	Aroclor-1242 (5)	10.56	14.81	2173	2308	109.368	165.845	#
Total	Aroclor-1242			10616	9522	393.950	441.479	
Average	Aroclor-1242					78.790	88.296	
19) L5	Aroclor-1248	10.25	15.33	2901	2356	123.541	120.281	

082

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D\E1A2431R.D
Acq On : 20 Sep 97 01:43 AM Operator: JS/GML
Sample : D1422-08,2WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	2173	2083	111.630	104.726	
21) L5	Aroclor-1248 (3)	11.63	16.56	2865	1414	123.459	92.629	
Total	Aroclor-1248			7939	5853	358.631	317.636	
Average	Aroclor-1248					119.544	105.879	
22) L6	Aroclor-1254	13.61	17.93	5412	5817	92.359	88.275	
23) L6	Aroclor-1254 (2)	14.09	18.38	3034	3721	99.944	105.343	
24) L6	Aroclor-1254 (3)	14.48	18.56	3368	2830	107.612	99.272	
25) L6	Aroclor-1254 (4)	14.89	18.88	3195	3114	118.997	108.517	
26) L6	Aroclor-1254 (5)	16.00	20.43	5184	4445	107.196	99.912	
Total	Aroclor-1254			20193	19927	526.110	501.320	
Average	Aroclor-1254					105.222	100.264	
27) L7	Aroclor-1260	17.12	21.82	1630	463	58.978	18.883	#
28) L7	Aroclor-1260 (2)	18.10	22.31	1125	1195	22.149	20.913	
29) L7	Aroclor-1260 (3)	19.21	24.21	894	658	23.976	27.526	
Total	Aroclor-1260			3649	2317	105.102	67.322	
Average	Aroclor-1260					35.034	22.441	

1254:

501.320 * 10 / (5 * 1000) = 1.0 µg/wipe (= 100 cm²)

GC

083

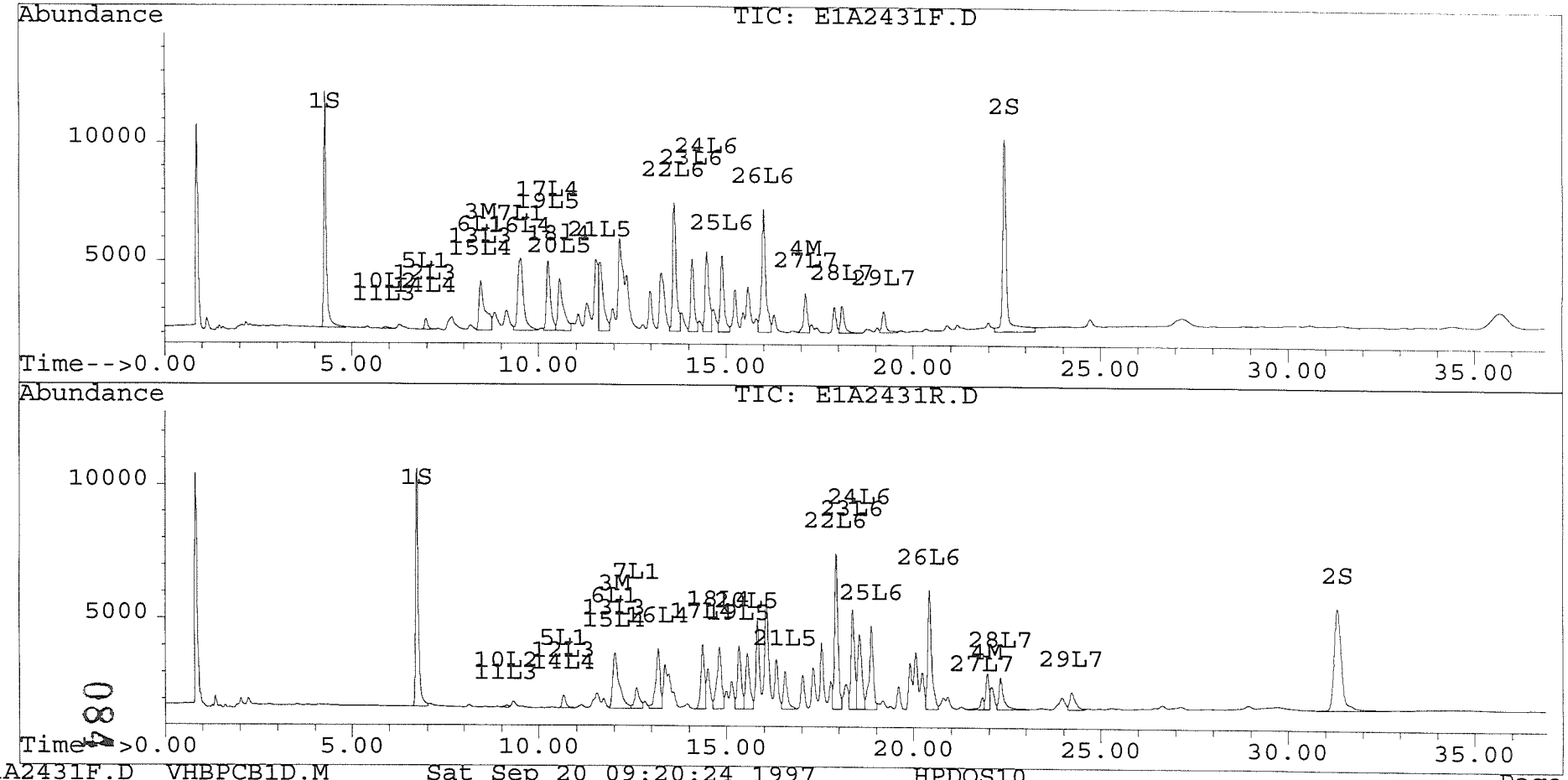
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

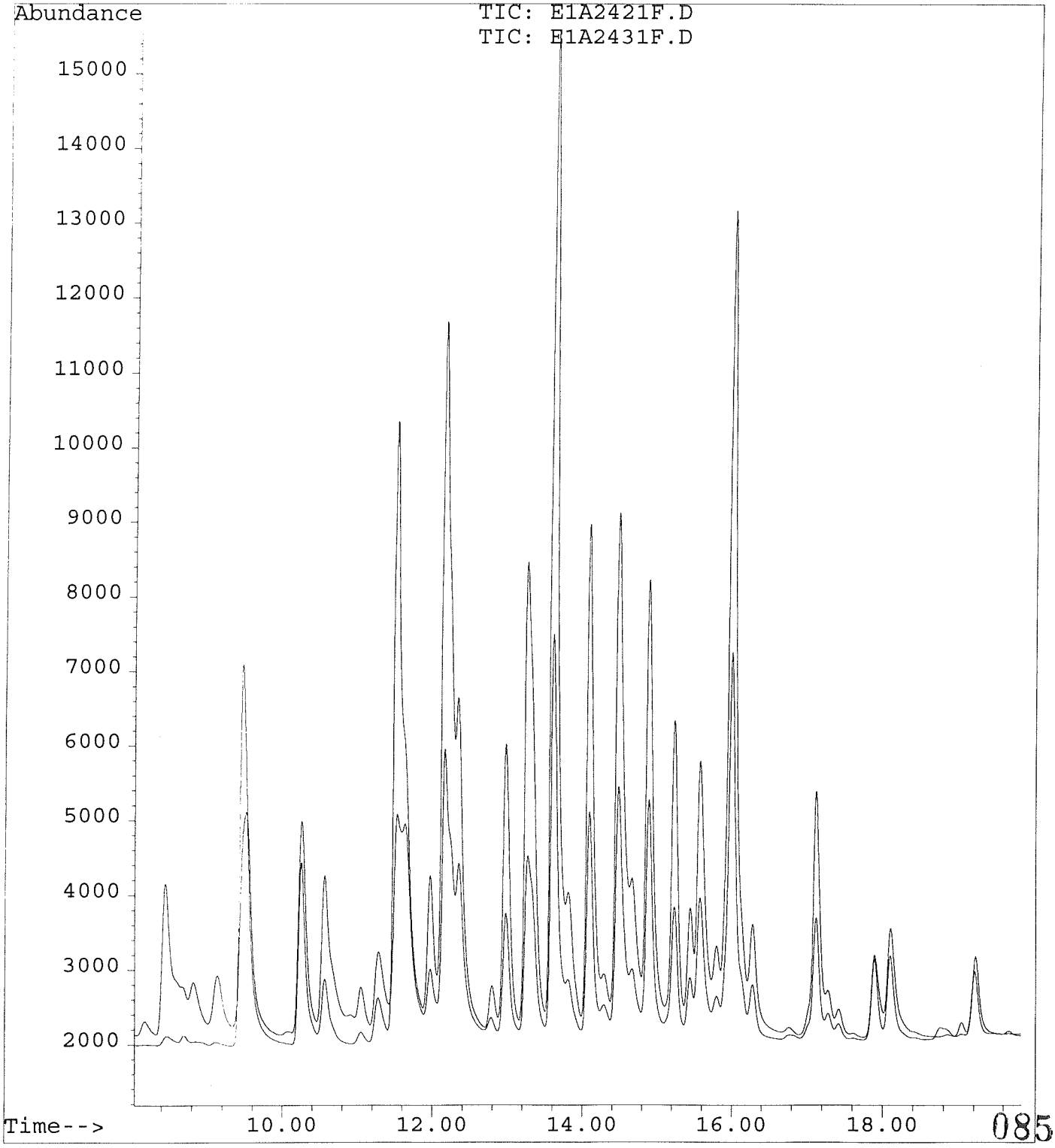
Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D Vial: 14
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2431F.D\E1A2431R.D
Acq On : 20 Sep 97 01:43 AM Operator: JS/GML
Sample : D1422-08,2WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 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\970919\E1A2421F.D
Operator : JS/GML
Acquired : 19 Sep 97 06:57 PM using AcqMethod VHBPCB1D.MTH
Instrument : E1
Sample Name: AR1254DE,AR1254DE,,AR1254.SUB
Misc Info : 2,,,1
Vial Number: 4



Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D\E1A2432R.D
Acq On : 20 Sep 97 02:23 AM Operator: JS/GML
Sample : D1422-09,3WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #1 Info : 0.53 MM Signal #2 Info : 0.53 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	8822	7842	41.381	39.094	
					Recovery	=	103.45%	97.74%	
2)	S	Decachlorobiphenyl	22.43	31.32	7347	3356	30.073	28.104	
					Recovery	=	75.18%	70.26%	
		Target Compounds							
3)	M	2,4,4'-Trichlorobip	8.44	12.02	1812	1688	25.375	23.763	
4)	M	2,2',3,3',4,4'-Hexa	17.12	21.96	1480	1168	9.460	7.431	
5)	L1	Aroclor-1016	6.98	10.66	488	475	17.897	17.815	
6)	L1	Aroclor-1016 {2}	8.44	12.02	1812	1688	47.731	58.461	
7)	L1	Aroclor-1016 {3}	9.51	12.60	2628	671	121.709	48.863	#
		Total Aroclor-1016			4929	2834	187.338	125.140	
		Average Aroclor-1016					62.446	41.713	
8)	L2	Aroclor-1221	3.43	0.00	104	0	12.219	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	75	70	4.329	4.783	
		Total Aroclor-1221			179	70	16.547	4.783	
		Average Aroclor-1221					8.274	4.783	
11)	L3	Aroclor-1232	5.89	9.13	75	70	5.608	5.943	
12)	L3	Aroclor-1232 {2}	6.98	10.66	488	475	40.147	38.230	
13)	L3	Aroclor-1232 {3}	8.44	12.02	1812	1688	112.477	138.349	
		Total Aroclor-1232			2375	2233	158.233	182.521	
		Average Aroclor-1232					52.744	60.840	
14)	L4	Aroclor-1242	6.98	10.66	488	475	13.324	13.195	
15)	L4	Aroclor-1242 {2}	8.44	12.02	1812	1688	40.983	43.645	
16)	L4	Aroclor-1242 {3}	9.51	13.18	2628	1833	92.450	84.380	
17)	L4	Aroclor-1242 (4)	10.25	14.36	2531	2084	103.946	91.017	
18)	L4	Aroclor-1242 (5)	10.56	14.81	1978	1964	99.577	141.091	#
		Total Aroclor-1242			9438	8044	350.281	373.327	
		Average Aroclor-1242					70.056	74.665	
19)	L5	Aroclor-1248	10.25	15.32	2531	2161	107.783	110.325	

086

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D\E1A2432R.D
Acq On : 20 Sep 97 02:23 AM Operator: JS/GML
Sample : D1422-09,3WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

Volume Inj. : 2.0 UL
Signal #1 Phase : DB-1701 Signal #2 Phase: DB-608
Signal #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	1978	1971	101.637	99.100
21) L5	Aroclor-1248 {3}	11.63	16.56	2591	1352	111.650	88.535
Total	Aroclor-1248			7100	5484	321.070	297.960
Average	Aroclor-1248					107.023	99.320
22) L6	Aroclor-1254	13.61	17.93	4547	4823	77.587	73.195
23) L6	Aroclor-1254 {2}	14.09	18.37	2615	3261	86.133	92.320
24) L6	Aroclor-1254 {3}	14.48	18.56	2995	2395	95.710	84.027
25) L6	Aroclor-1254 (4)	14.88	18.88	2927	2815	109.038	98.092
26) L6	Aroclor-1254 (5)	16.00	20.42	4609	3937	95.300	88.498
Total	Aroclor-1254			17693	17232	463.768	436.131
Average	Aroclor-1254					92.754	87.226
27) L7	Aroclor-1260	17.12	21.82	1480	442	53.547	18.015 #
28) L7	Aroclor-1260 {2}	18.10	22.31	1133	1177	22.315	20.587
29) L7	Aroclor-1260 {3}	19.21	24.21	886	625	23.755	26.140
Total	Aroclor-1260			3499	2244	99.617	64.742
Average	Aroclor-1260					33.206	21.581

1254

$$\frac{436.131 * 10}{5 * 1000} = 0.87 \ \mu g/100\ cm^2$$

087

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

Quantitation Report

Signal #1 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D Vial: 15
Signal #2 : C:\HPCHEM\5\DATA\SEP97\970919\E1A2432F.D\E1A2432R.D
Acq On : 20 Sep 97 02:23 AM Operator: JS/GML
Sample : D1422-09,3WBF,P0915-B2 Inst : E1
Misc : 0,,,1,,10000,5000,,,,15-SEP-97,12-SEP-19 Multiplr: 1.00
Quant Time: Sep 20 9:20 1997

Method : C:\HPCHEM\5\METHODS\VHBPCB1D.M
Title : VHB PCB 5 LEVEL RUN 9/15/97-9/16/97
Last Update : Sat Sep 20 09:15:27 1997
Response via : Multiple Level Calibration

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