211037

Dec. 24, 1997 Report
vol. 2

ICM LABORATORIES
1152 ROUTE 10
RANDOLPH, NJ 07869
201-584-0330
FAX 201-584-0515

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 10, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

Blanks

PCB Method Blank Summary

Batch #:	QPC7390	Column used:	DB 1701/DB 608
Extraction date:	12/05/97	Analysis date:	12/07/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278120	278121	278122	278123	278124
278125	278126	278127	278128	278129
278130	278131	278132	278133	278134
278135	278136			

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1576.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1576.D\ECD2B.CH
Acq On : 7 Dec 97 23:21 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	646515	955546	46.993	48.046
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.48%	120.12%
2) SA Decachlorobiphen	25.90	21.45	977071	885453	41.994	40.748
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.99%	101.87%
Target Compounds						
7) L1 Aroclor-1016{5}	0.00	10.63	0	26164	N.D.	31.057 #
Sum Aroclor-1016			0	26164	N.D.	31.057
Average Aroclor-1016					0.000	31.057 NP
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
16) L3 Aroclor-1232{5}	0.00	10.63	0	26164	N.D.	68.633 #
Sum Aroclor-1232			0	26164	N.D.	68.633
Average Aroclor-1232					0.000	68.633 NP
21) L4 Aroclor-1242{5}	0.00	10.63	0	26164	N.D.	39.554 #
Sum Aroclor-1242			0	26164	N.D.	39.554
Average Aroclor-1242					0.000	39.554 NP
24) L5 Aroclor-1248{3}	0.00	10.63	0	26164	N.D.	27.845 #
Sum Aroclor-1248			0	26164	N.D.	27.845
Average Aroclor-1248					0.000	27.845 NP
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

634

gm 12/8/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\EA1576.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDA~1\EA1576.D\ECD2B.CH
Acq On : 7 Dec 97 23:21 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 22:09 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	651061	960252	45.775	44.349
Spiked Amount 40.000 Range 43 - 150 Recovery =					114.44%	110.87%
2) SA Decachlorobiphen	25.90	21.45	986270	916854	41.934	40.189
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.84%	100.47%

Target Compounds

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

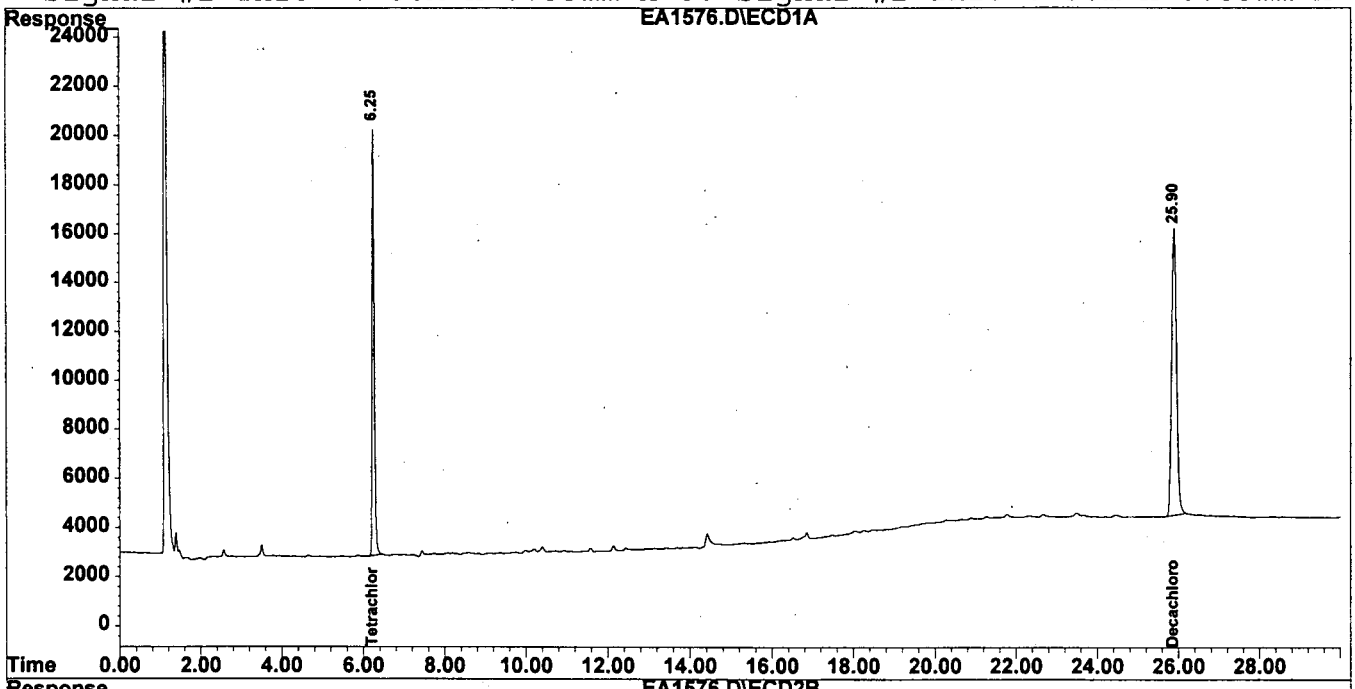
634A

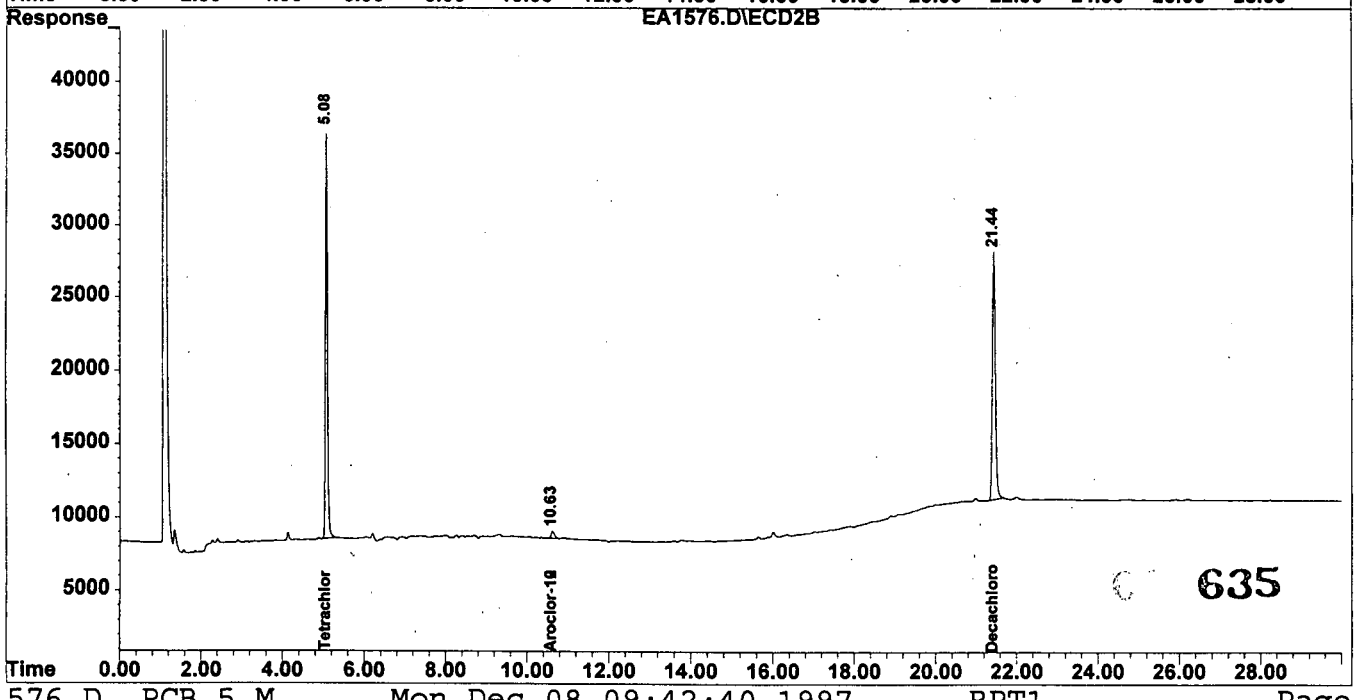
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1576.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1576.D\ECD2B.CH
Acq On : 7 Dec 97 23:21 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





635

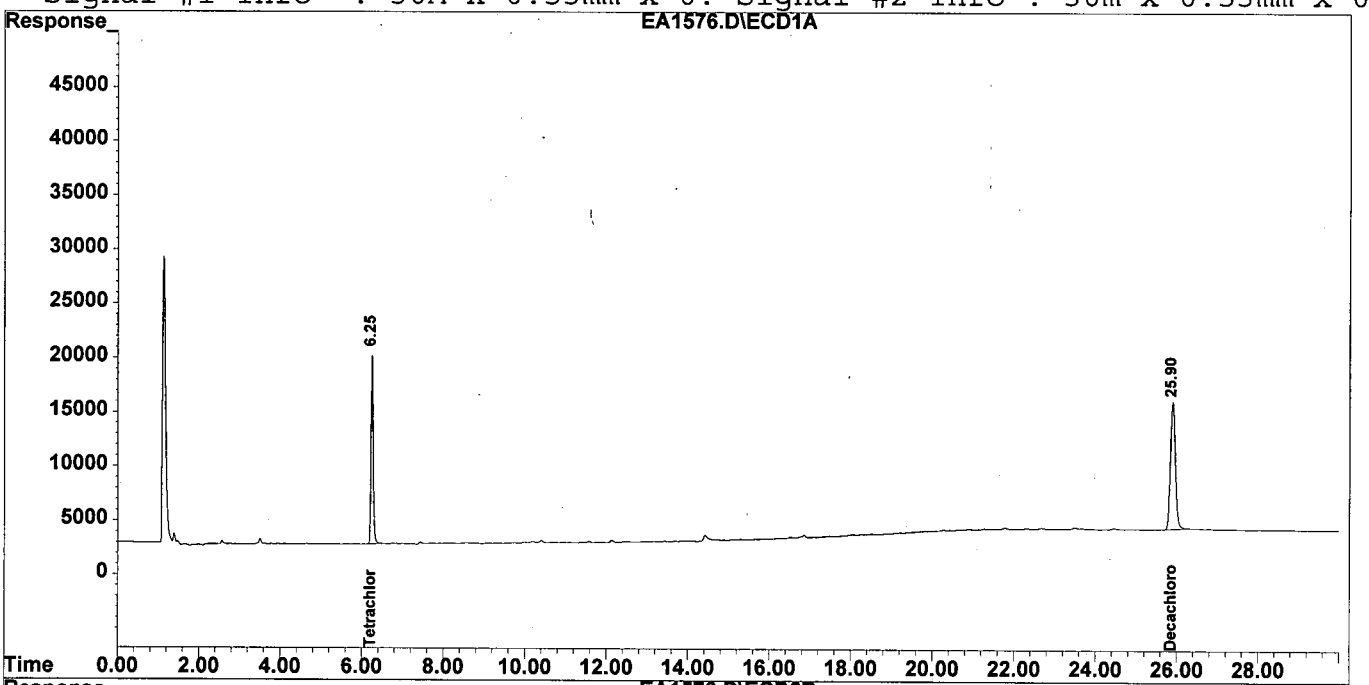
Quantitation Report

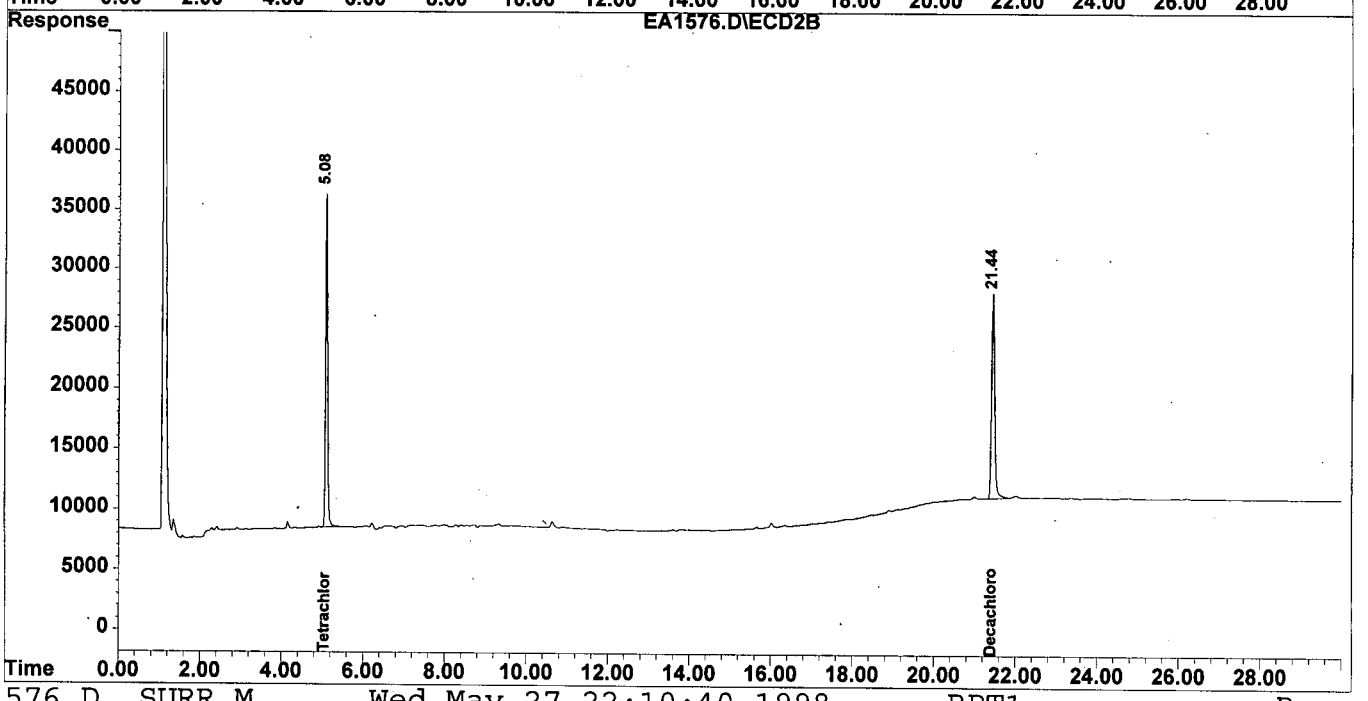
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\EA1576.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDA~1\EA1576.D\ECD2B.CH
Acq On : 7 Dec 97 23:21 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 22:09 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7391	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/10/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278137	278138	278139	278140	278141
278142	278143	278144	278145	278146
278147	278148	278149	278150	278151
278152	278153	278137S	278137SD	

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1684.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1684.D\ECD2B.CH
Acq On : 10 Dec 97 18:05 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	660346	953397	47.998	47.938	
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.00%	119.85%	
2) SA Decachlorobiphen	25.89	21.44	887974	842470	38.165	38.770	
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.41%	96.93%	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
9) L2 Aroclor-1221{2}	7.44	0.00	7095	0	74.773	N.D.	#
Sum Aroclor-1221			7095	0	74.773	N.D.	
Average Aroclor-1221					74.773 NP	0.000	
16) L3 Aroclor-1232{5}	13.54	0.00	45171	0	199.133	N.D.	#
Sum Aroclor-1232			45171	0	199.133	N.D.	
Average Aroclor-1232					199.133 NP	0.000	
21) L4 Aroclor-1242{5}	0.00	10.65	0	35972	N.D.	54.383	#
Sum Aroclor-1242			0	35972	N.D.	54.383	
Average Aroclor-1242					0.000	54.383 NP	
24) L5 Aroclor-1248{3}	0.00	10.65	0	35972	N.D.	38.284	#
25) L5 Aroclor-1248{4}	13.54	0.00	45171	0	63.596	N.D.	#
Sum Aroclor-1248			45171	35972	63.596	38.284	
Average Aroclor-1248					63.596 NP	38.284 NP	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

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DMW 12/11/97

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

ICM Laboratories Quantitation Report

(QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1684.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1684.D\ECD2B.CH
Acq On : 10 Dec 97 18:05
Sample : BLANK
Misc : QPC7391
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Vial: 13
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	660075	955441	46.408	44.127
Spiked Amount 40.000 Range 43 - 150 Recovery =					116.02%	110.32%
2) SA Decachlorobiphen	25.89	21.44	891515	867071	37.905	38.007
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.76%	95.02%

Target Compounds

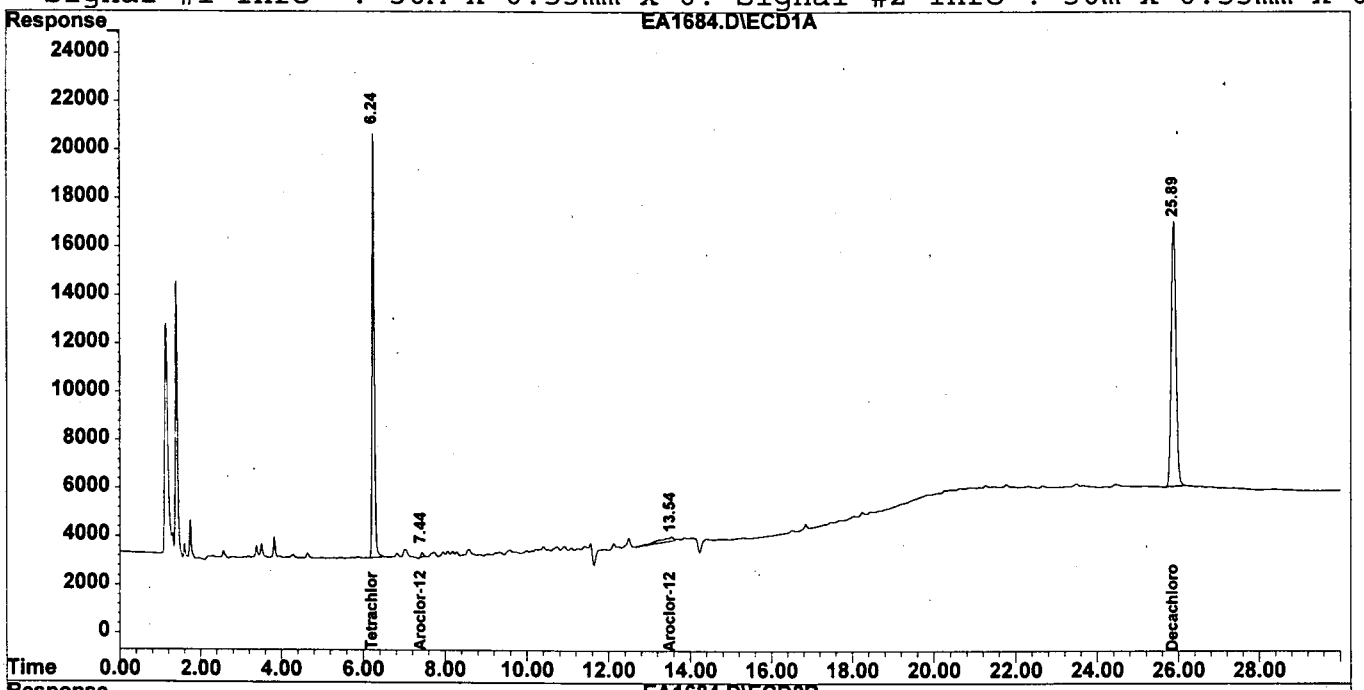
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

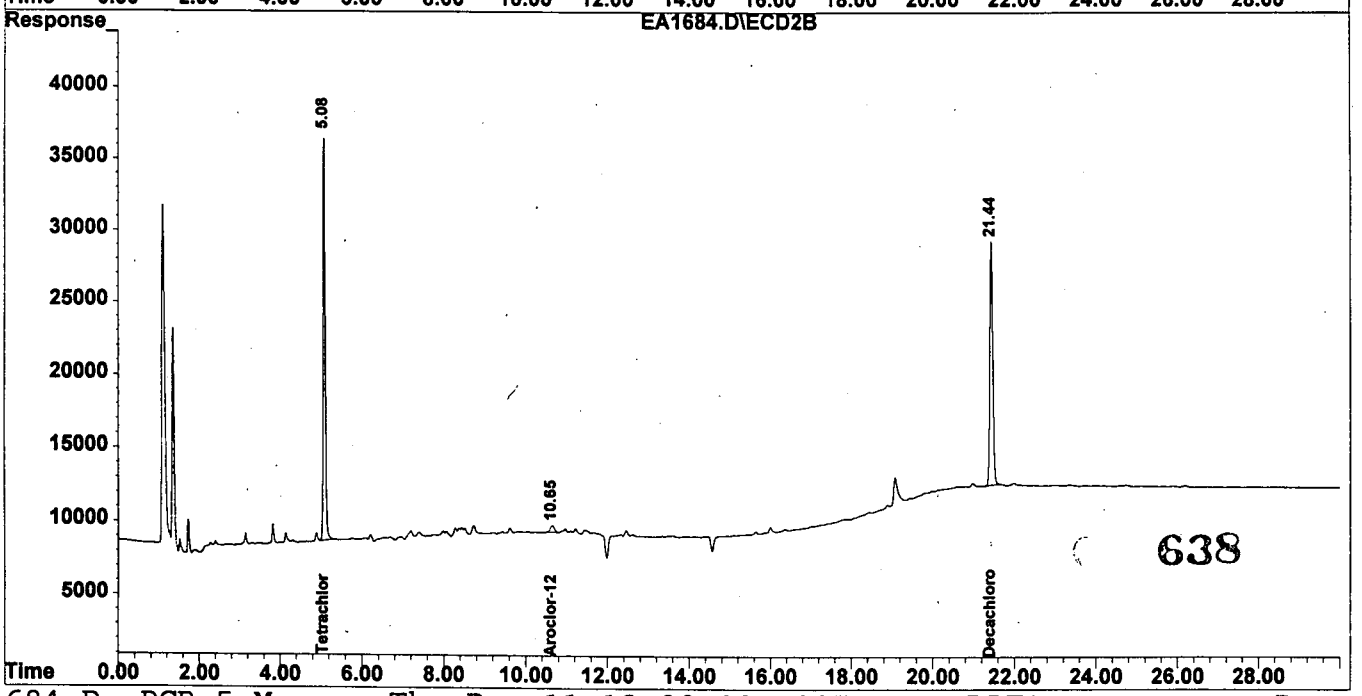
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1684.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1684.D\ECD2B.CH
Acq On : 10 Dec 97 18:05 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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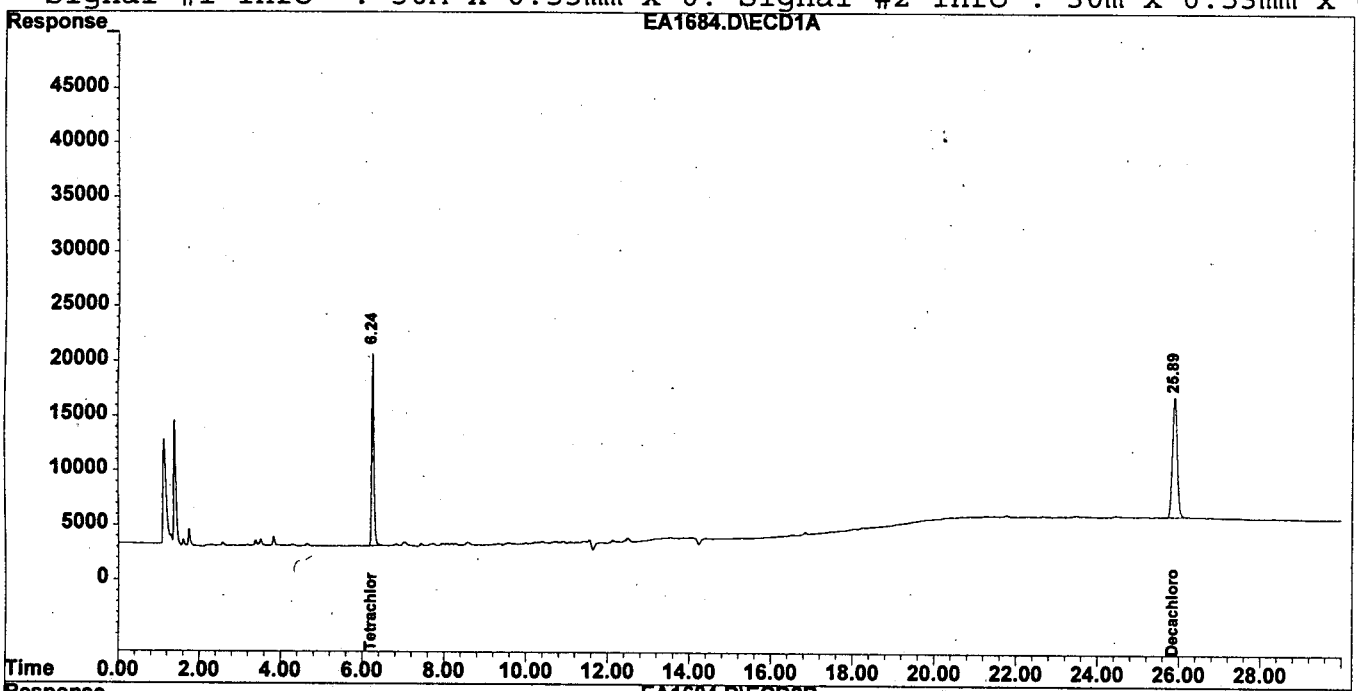
Quantitation Report

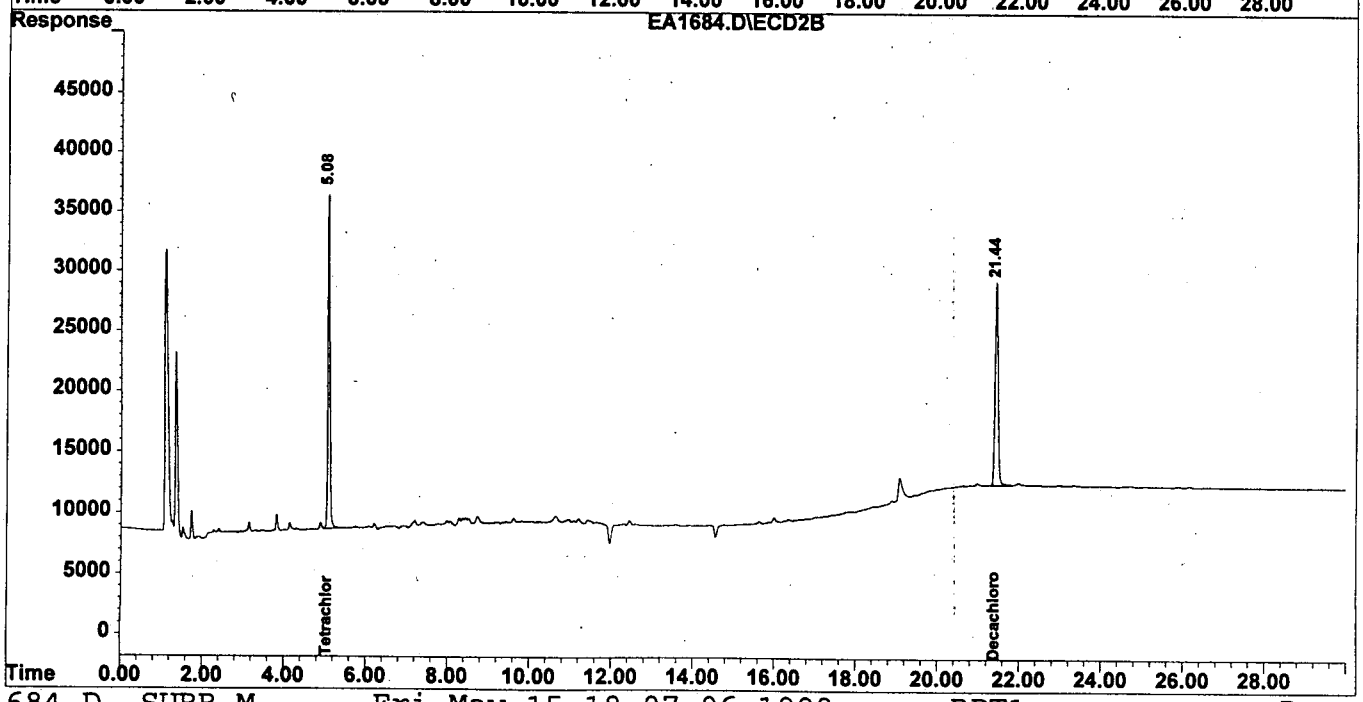
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1684.D\ECD1A.CH Vial: 13
Signal #2 : E:\WESTDATA\EA1684.D\ECD2B.CH
Acq On : 10 Dec 97 18:05 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:32 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 11, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7392	Column used:	DB 1701/DB 608
Extraction date:	12/06/97	Analysis date:	12/08/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278154	278155	278156	278157	278158	
278159	278160	278161	278162	278163	278164
278165	278166	278167	278168	278169	278170
278171	278172	278173	278154S	278154SD	

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Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0777.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0777.D\ECD2B.CH
Acq On : 8 Dec 97 20:41 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E - IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:43 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	379308	249149	41.871	38.467
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.68%	96.17%
) SA Decachlorobiphen	29.29	24.56	573721	351040	38.124	39.363
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.31%	98.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

640

12/8/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0777A.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0777A.D\ECD2B.CH
Acq On : 8 Dec 97 20:41 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	377622	246529	40.593	40.798
Spiked Amount 40.000 Range 43 - 150 Recovery =					101.48%	102.00%
2) SA Decachlorobiphen	29.29	24.56	574412	341644	38.035	41.125
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.09%	102.81%
Target Compounds						

64 QA 5/30/98

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

Quantitation Report

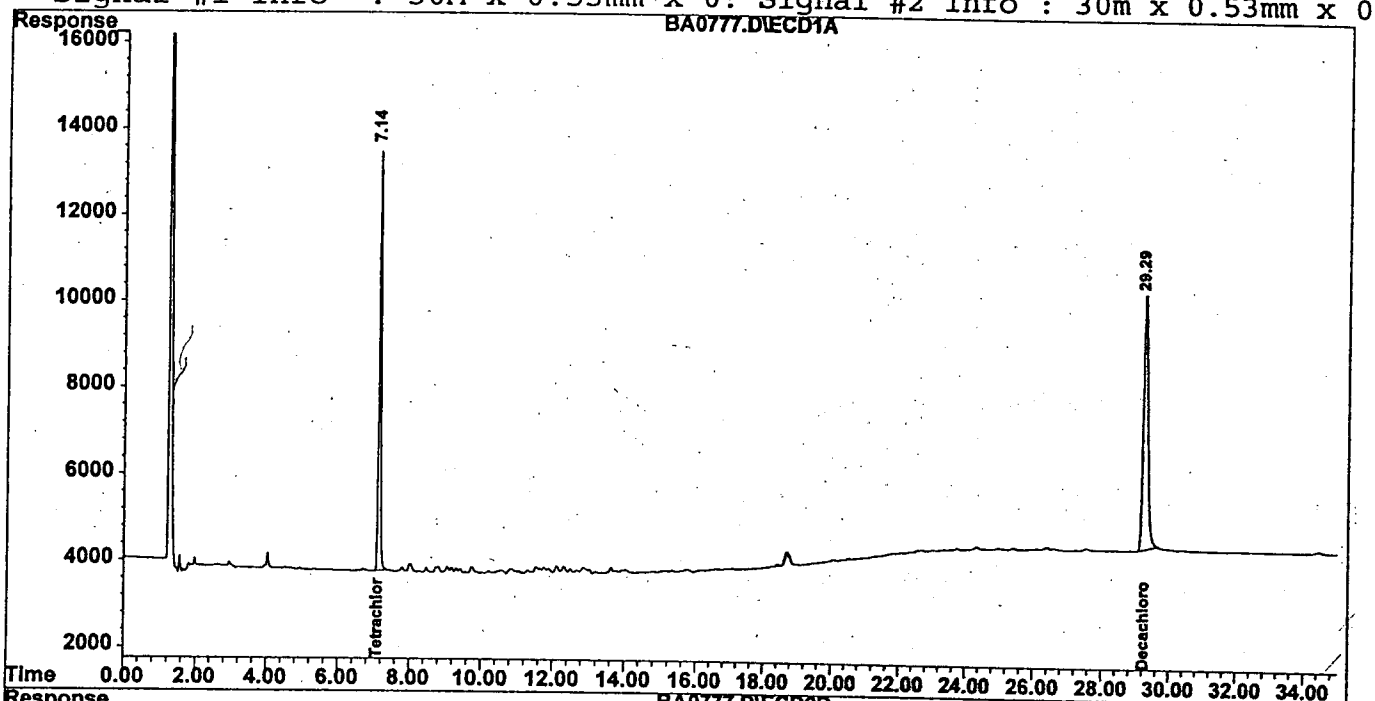
Signal #1 : C:\HPCHEM\1\DATA_B\BA0777.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0777.D\ECD2B.CH
Acq On : 8 Dec 97 20:41
Sample : BLANK
Misc : QPC7392
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 6:43 1997 Quant Results File: PCB_2.RES

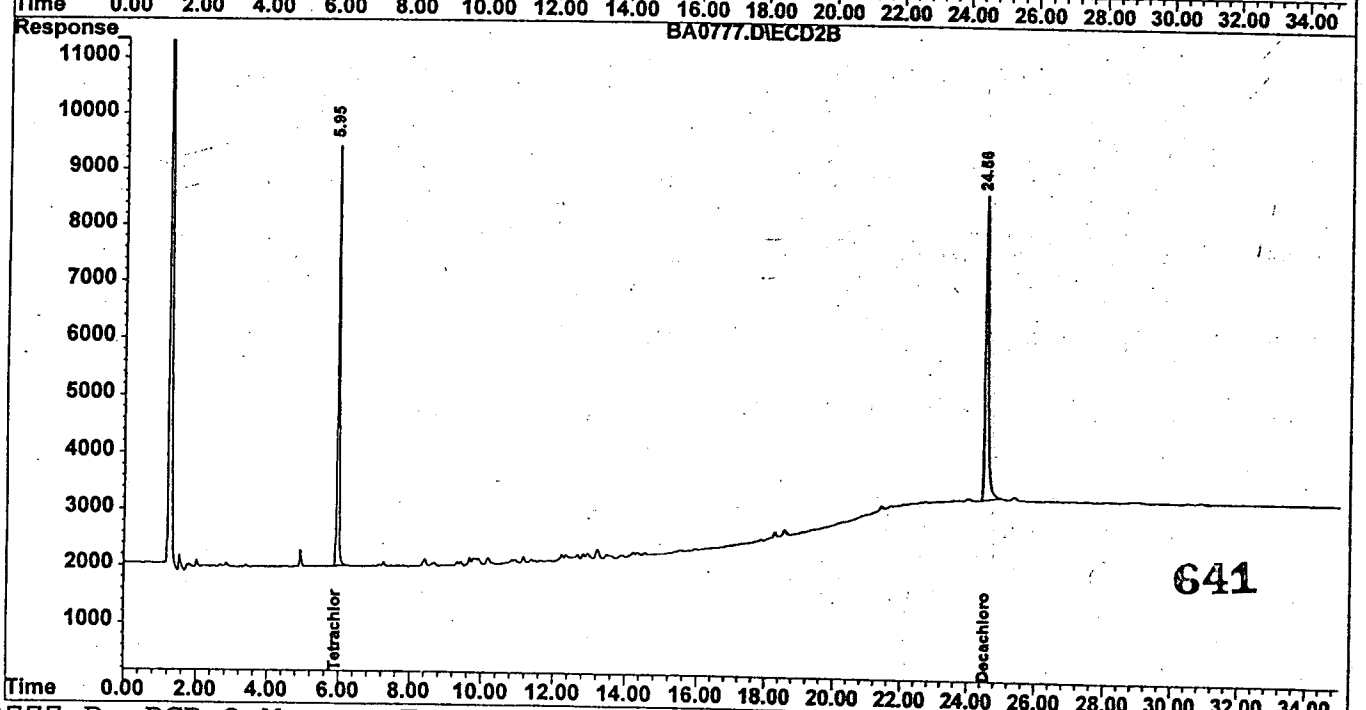
Vial: 12

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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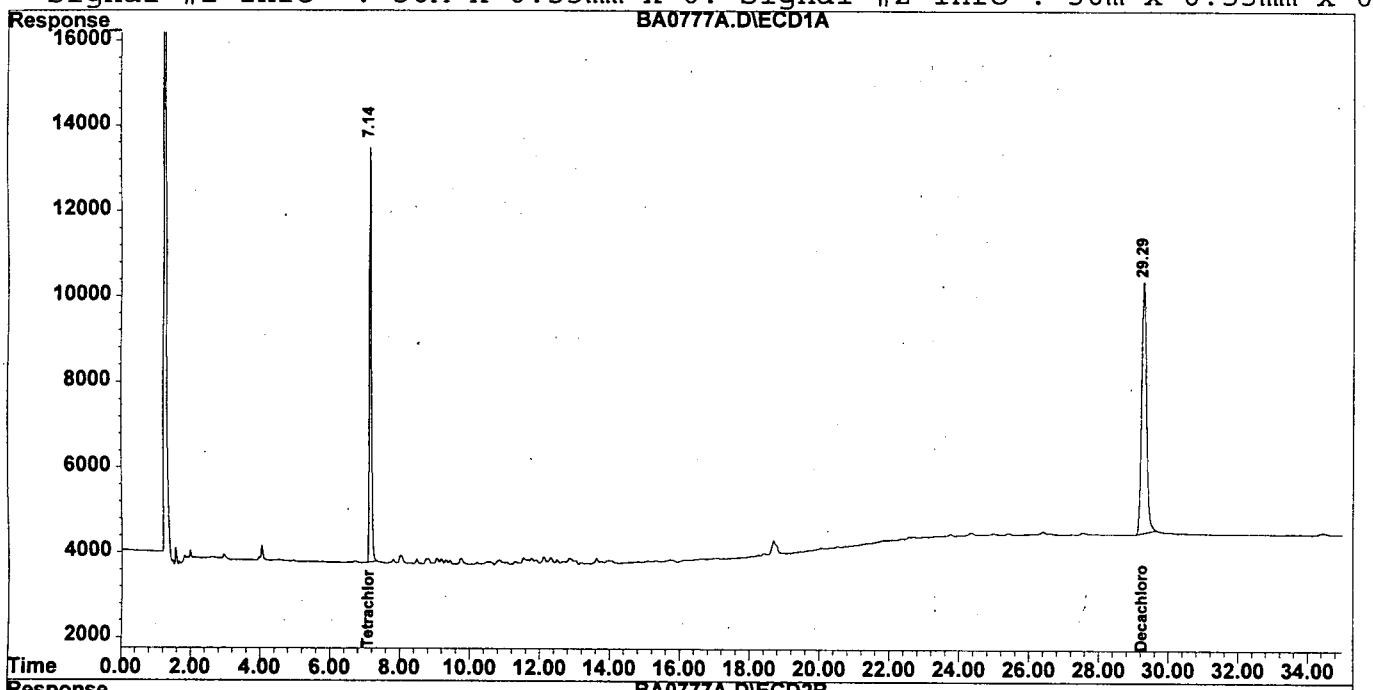
Quantitation Report

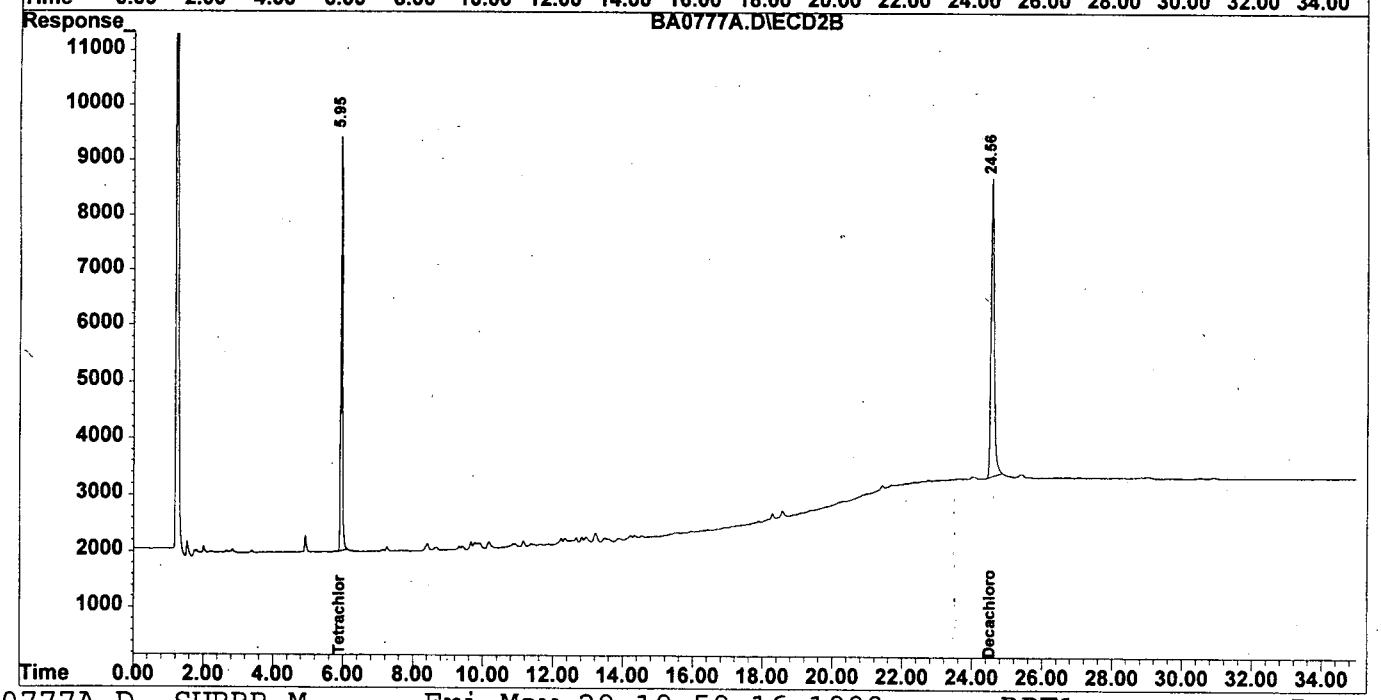
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0777A.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0777A.D\ECD2B.CH
Acq On : 8 Dec 97 20:41 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





641A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 11, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7393	Column used:	DB 1701/DB 608
Extraction date:	12/08/97	Analysis date:	12/09/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278174	278175	278176	278177	278178
278179	278180	278181	278182	278183
278184	278185	278186	278187	278188
278189	278190	278191	278192	278193
278174S	278174SD			

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD2B.CH
Acq On : 9 Dec 97 23:06 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.13	5.90	347095	232268	38.315	35.860	
Spiked Amount 40.000 Range 43 - 150 Recovery =					95.79%	89.65%	
2) SA Decachlorobiphen	28.99	24.37	535026	331479	35.553	37.170	
Spiked Amount 40.000 Range 24 - 154 Recovery =					88.88%	92.93%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.16	0.00	9465	0	44.465	N.D.	#
6) L1 Aroclor-1016{4}	0.00	12.16	0	11316	N.D.	44.111	#
Sum Aroclor-1016			9465	11316	44.465	44.111	
Average Aroclor-1016					44.465	44.111	
10) L2 Aroclor-1221{3}	9.16	0.00	9465	0	31.268	N.D.	#
Sum Aroclor-1221			9465	0	31.268	N.D.	
Average Aroclor-1221					31.268	0.000	
12) L3 Aroclor-1232{2}	9.16	0.00	9465	0	46.314	N.D.	#
14) L3 Aroclor-1232{4}	0.00	13.15	0	22770	N.D.	402.477	#
Sum Aroclor-1232			9465	22770	46.314	402.477	
Average Aroclor-1232					46.314	402.477	
15) L4 Aroclor-1242{1}	9.16	0.00	9465	0	51.632	N.D.	#
17) L4 Aroclor-1242{3}	0.00	11.09	0	9819	N.D.	60.871	#
18) L4 Aroclor-1242{4}	12.82	12.16	28381	11316	164.763	48.901	#
19) L4 Aroclor-1242{5}	0.00	14.27	0	6169	N.D.	69.022	#
Sum Aroclor-1242			37846	27304	216.394	178.794	
Average Aroclor-1242					108.197	59.598	
21) L5 Aroclor-1248{2}	0.00	12.16	0	11316	N.D.	33.393	#
Sum Aroclor-1248			0	11316	N.D.	33.393	
Average Aroclor-1248					0.000	33.393	
26) L6 Aroclor-1254{2}	0.00	13.41	0	9552	N.D.	22.810	#
Sum Aroclor-1254			0	9552	N.D.	22.810	
Average Aroclor-1254					0.000	22.810	

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TRB 12/10/02

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD2B.CH
Acq On : 9 Dec 97 23:06 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
32) L7 Aroclor-1260{3}	19.97	0.00	7508	0	16.455	N.D.	#
Sum Aroclor-1260			7508	0	16.455	N.D.	
Average Aroclor-1260					16.455	0.000	

1/10

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JPS 12/10/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0810.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0810.D\ECD2B.CH
Acq On : 9 Dec 97 23:06
Sample : BLANK
Misc : QPC7393
Vial : 9
Operator:
Inst : GC_5890_2
Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:19 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.90	341725	229312	18.236	17.927
Spiked Amount 40.000 Range 43 - 150 Recovery =					45.59%	44.82%
2) SA Decachlorobiphen	28.99	24.37	522125	324099	23.676	34.891 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					59.19%	87.23%
Target Compounds						
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

644A

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0810A.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDA~1\BA0810A.D\ECD2B.CH
Acq On : 9 Dec 97 23:06 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:40 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.90	341725	229312	36.734	37.948
Spiked Amount 40.000 Range 43 - 150 Recovery =					91.83%	94.87%
2) SA Decachlorobiphen	28.99f	24.37f	560076	333172	37.086m	40.105m
Spiked Amount 40.000 Range 24 - 154 Recovery =					92.71%	100.26%

Target Compounds

6 4 4B

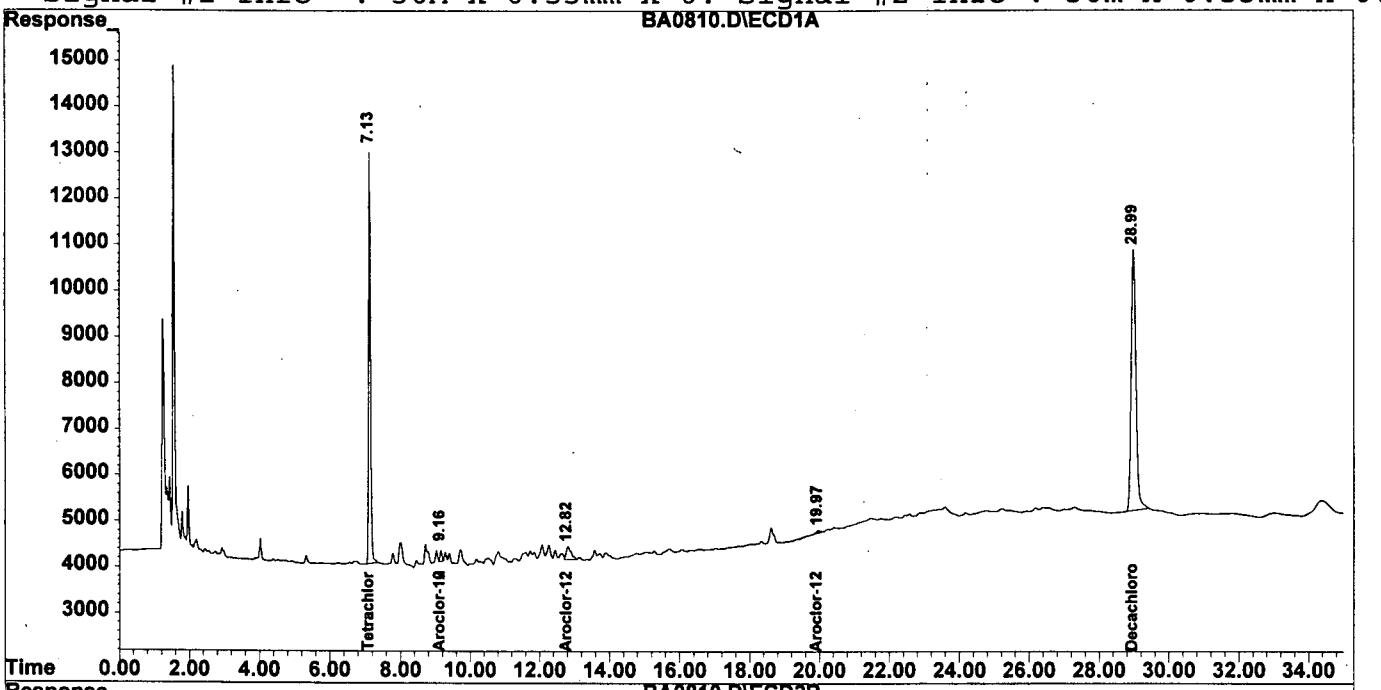
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

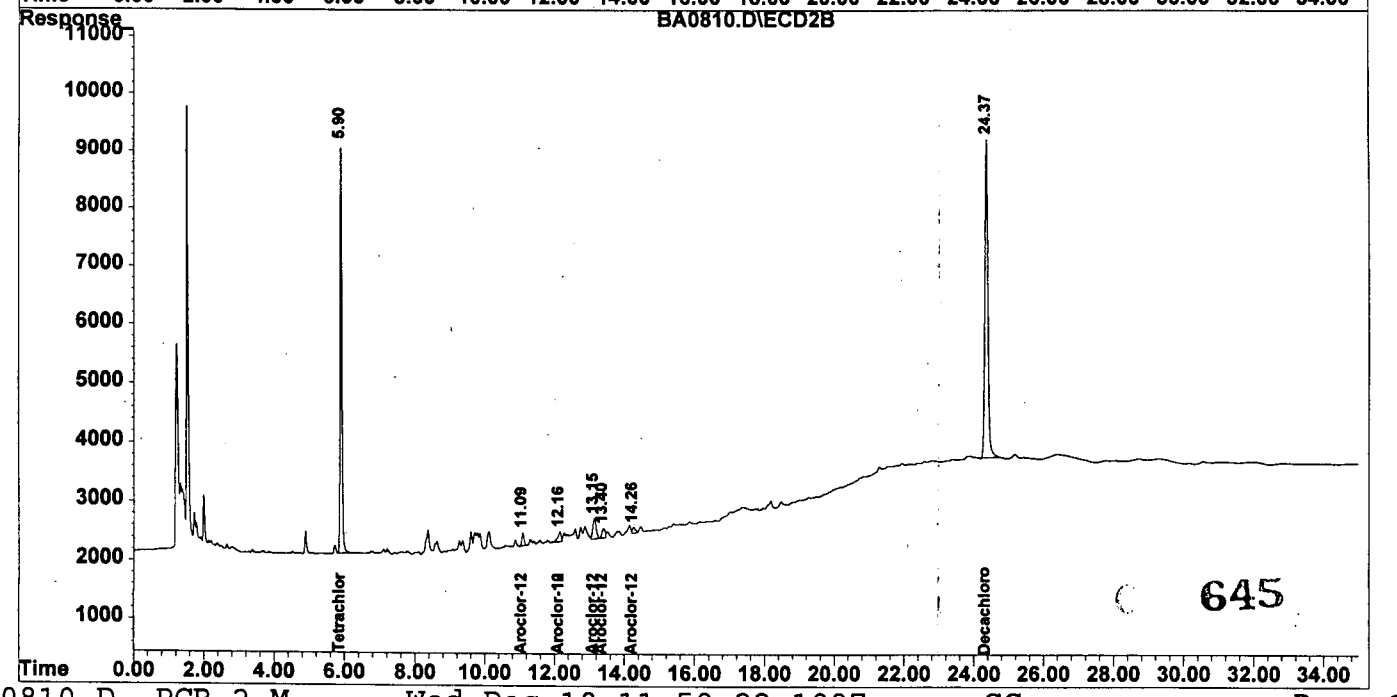
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0810.D\ECD2B.CH
Acq On : 9 Dec 97 23:06 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 10:59 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

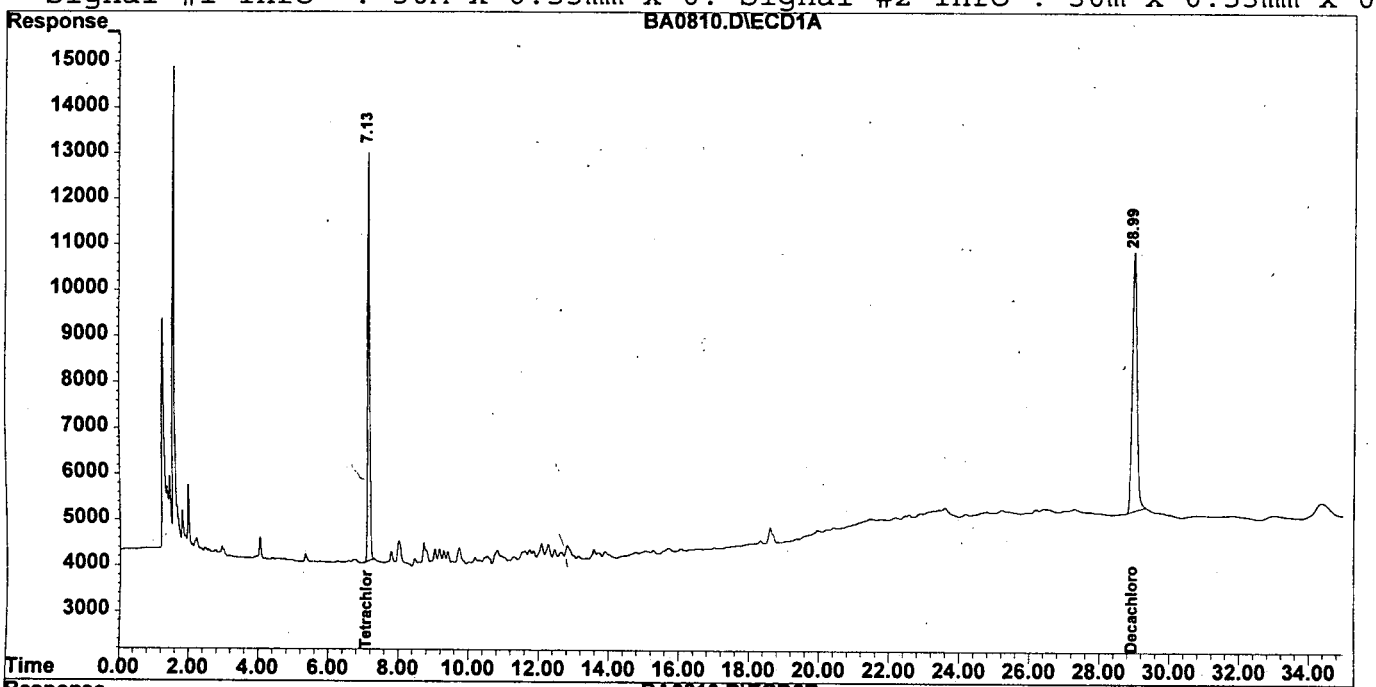
AMENDED REPORT MAY 2 8 1998

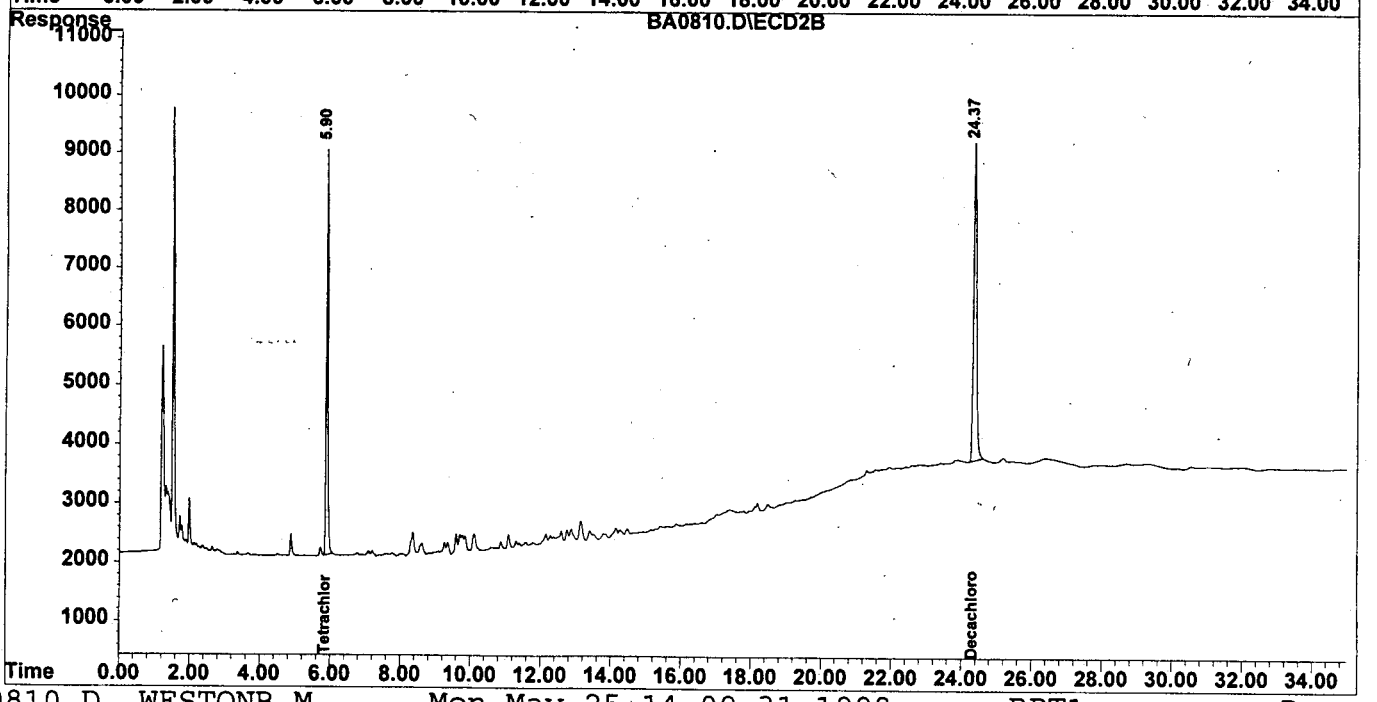
Signal #1 : E:\WESTDA~1\BA0810.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0810.D\ECD2B.CH
Acq On : 9 Dec 97 23:06
Sample : BLANK
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:19 1998 Quant Results File: WESTONB.RES

Vial: 9
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





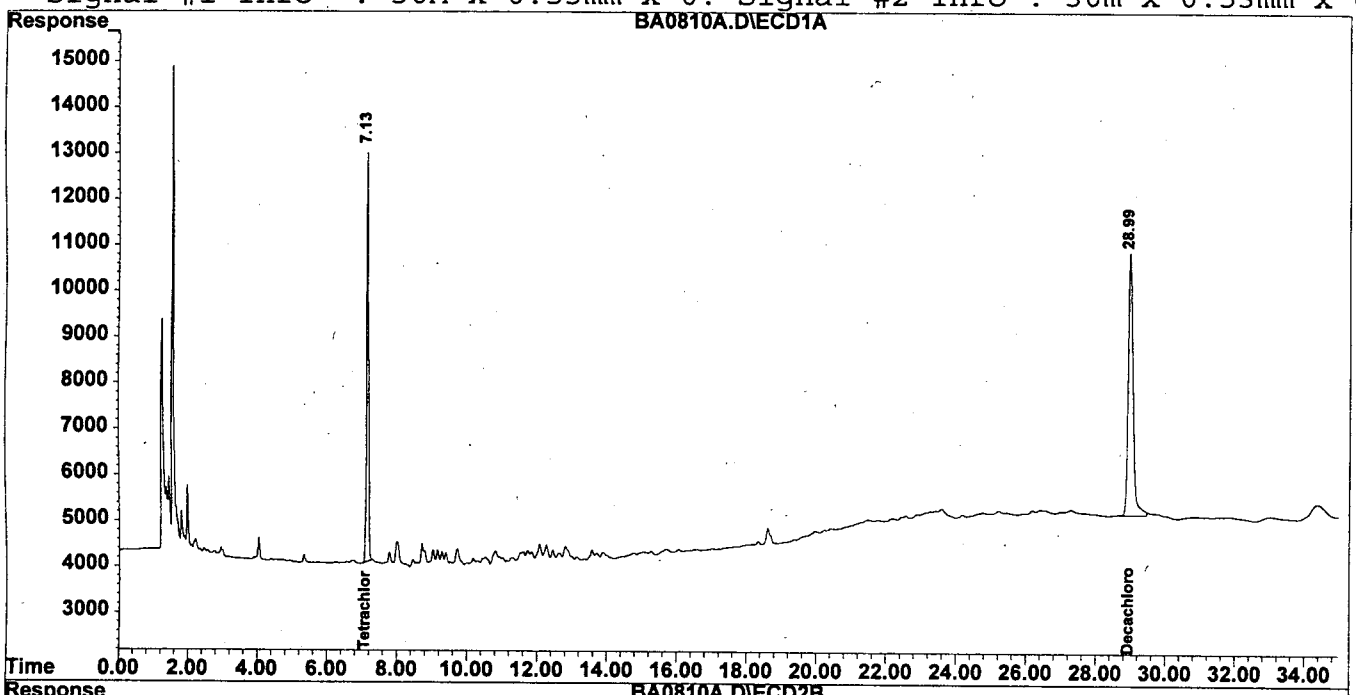
Quantitation Report

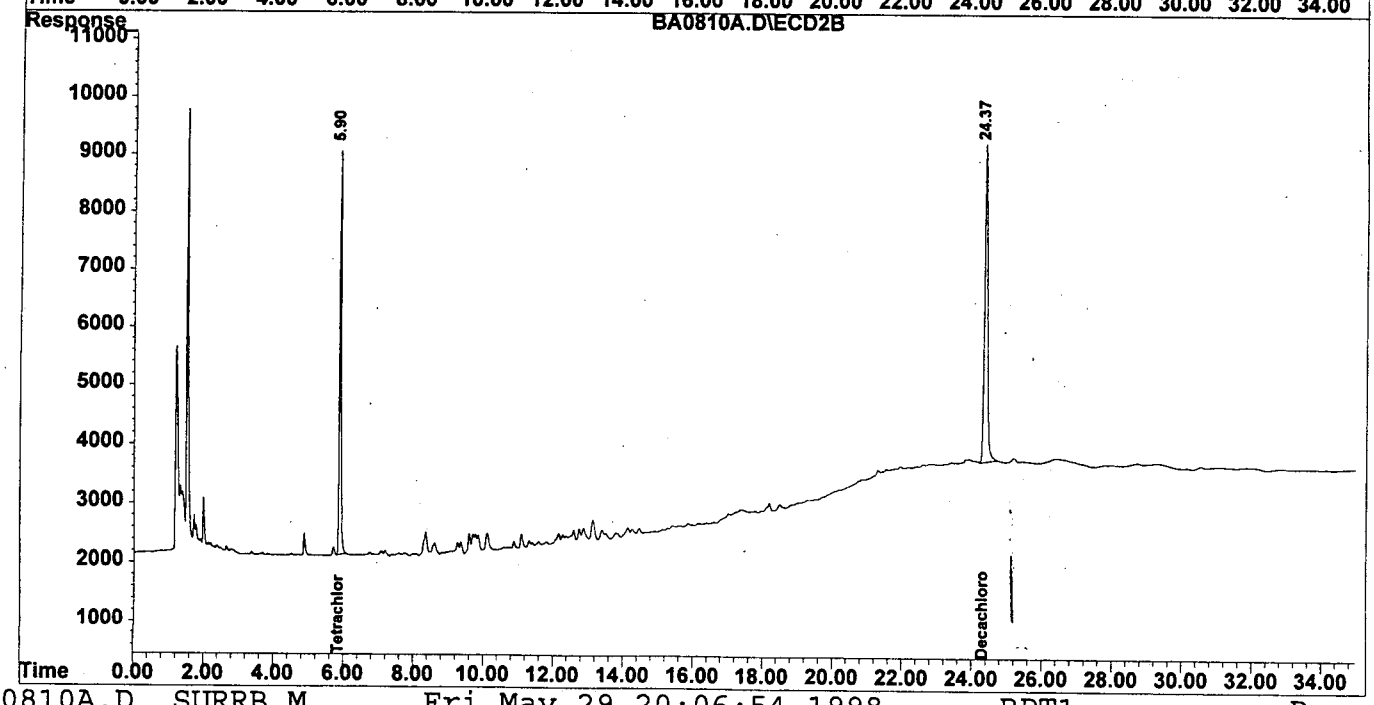
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0810A.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDA~1\BA0810A.D\ECD2B.CH
Acq On : 9 Dec 97 23:06 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:40 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7394	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/12/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278194	278195	278196	278197	278198		
278199	278200	278201	278202	278203	278204	278205
278206	278207	278208	278209	278210	278211	~~278210~~ 278212
278213	278207S	278207SD				

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT (QT Reviewed) JUN 0 4 1998

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD2B.CH
Acq On : 12 Dec 97 00:59 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	641243	917045	46.602	46.110	
Spiked Amount 40.000 Range 43 - 150 Recovery =					116.51%	115.28%	
2) SA Decachlorobiphen	25.89	21.44	911116	856471	39.159	39.415	
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.90%	98.54%	
Target Compounds							
4) L1 Aroclor-1016{2}	9.41	7.66	54522	37003	80.419	42.490	#
6) L1 Aroclor-1016{4}	0.00	9.23	0	59568	N.D.	70.626	#
7) L1 Aroclor-1016{5}	0.00	10.62	0	126492	N.D.	150.150	#
Sum Aroclor-1016			54522	223063	80.419	263.265	
Average Aroclor-1016					80.419	87.755	
9) L2 Aroclor-1221{2}	7.44	0.00	9376	0	98.810	N.D.	#
Sum Aroclor-1221			9376	0	98.810	N.D.	
Average Aroclor-1221					98.810	0.000	
13) L3 Aroclor-1232{2}	9.41	7.66	54522	37003	175.567	100.807	#
15) L3 Aroclor-1232{4}	0.00	9.23	0	59568	N.D.	176.572	#
16) L3 Aroclor-1232{5}	0.00	10.62	0	126492	N.D.	331.815	#
Sum Aroclor-1232			54522	223063	175.567	609.194	
Average Aroclor-1232					175.567	203.065	
18) L4 Aroclor-1242{2}	9.41	7.66	54522	37003	101.419	57.025	#
20) L4 Aroclor-1242{4}	0.00	9.23	0	59568	N.D.	97.349	#
21) L4 Aroclor-1242{5}	0.00	10.62	0	126492	N.D.	191.231	#
Sum Aroclor-1242			54522	223063	101.419	345.605	
Average Aroclor-1242					101.419	115.202	
22) L5 Aroclor-1248{1}	9.41	7.66	54522	37003	189.635	103.950	#
24) L5 Aroclor-1248{3}	0.00	10.62	0	126492	N.D.	134.621	#
Sum Aroclor-1248			54522	163495	189.635	238.571	
Average Aroclor-1248					189.635	119.286	
27) L6 Aroclor-1254{1}	0.00	9.89	0	52676	N.D.	85.459	#
Sum Aroclor-1254			0	52676	N.D.	85.459	
Average Aroclor-1254					0.000	85.459	

12/31/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1726.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDATA\EA1726.D\ECD2B.CH
Acq On : 12 Dec 97 00:59 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	641143	931004	45.077	42.998
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.69%	107.50%
2) SA Decachlorobiphen	25.89	21.44	919138	856040	39.079	37.523
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.70%	93.81%
Target Compounds						

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

647A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD2B.CH
Acq On : 12 Dec 97 00:59 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

648

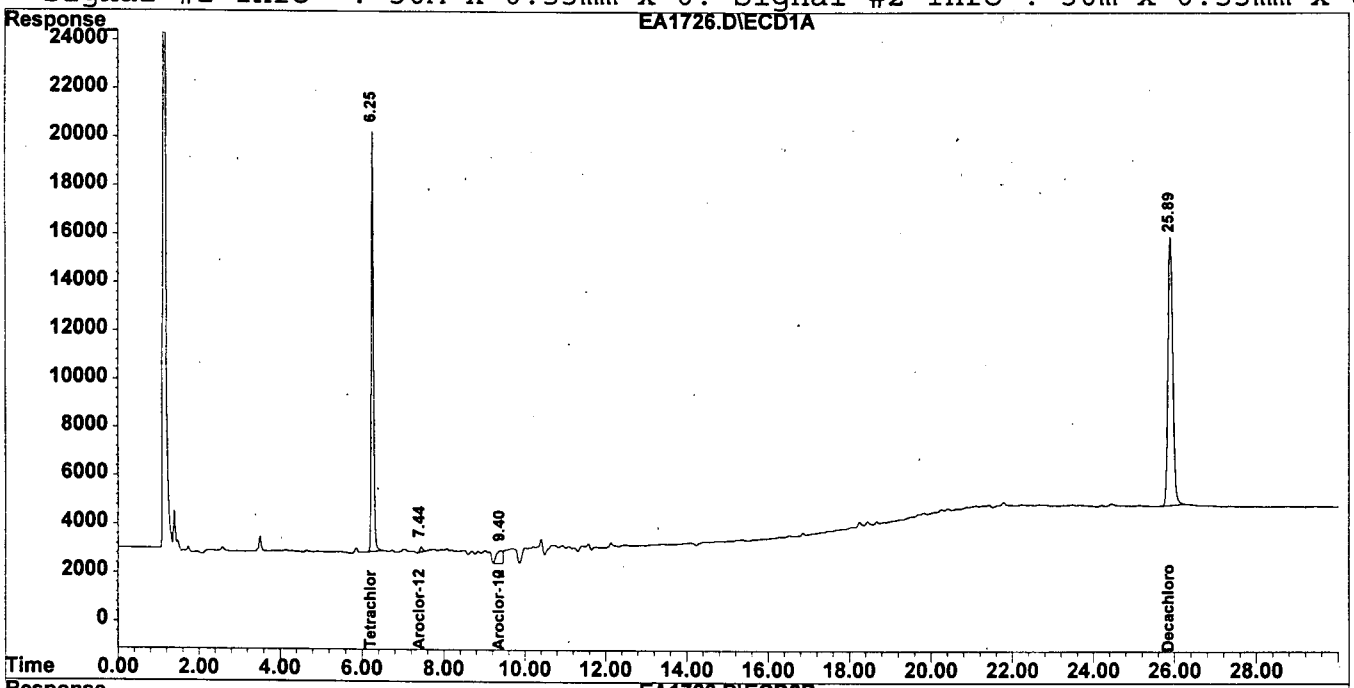
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

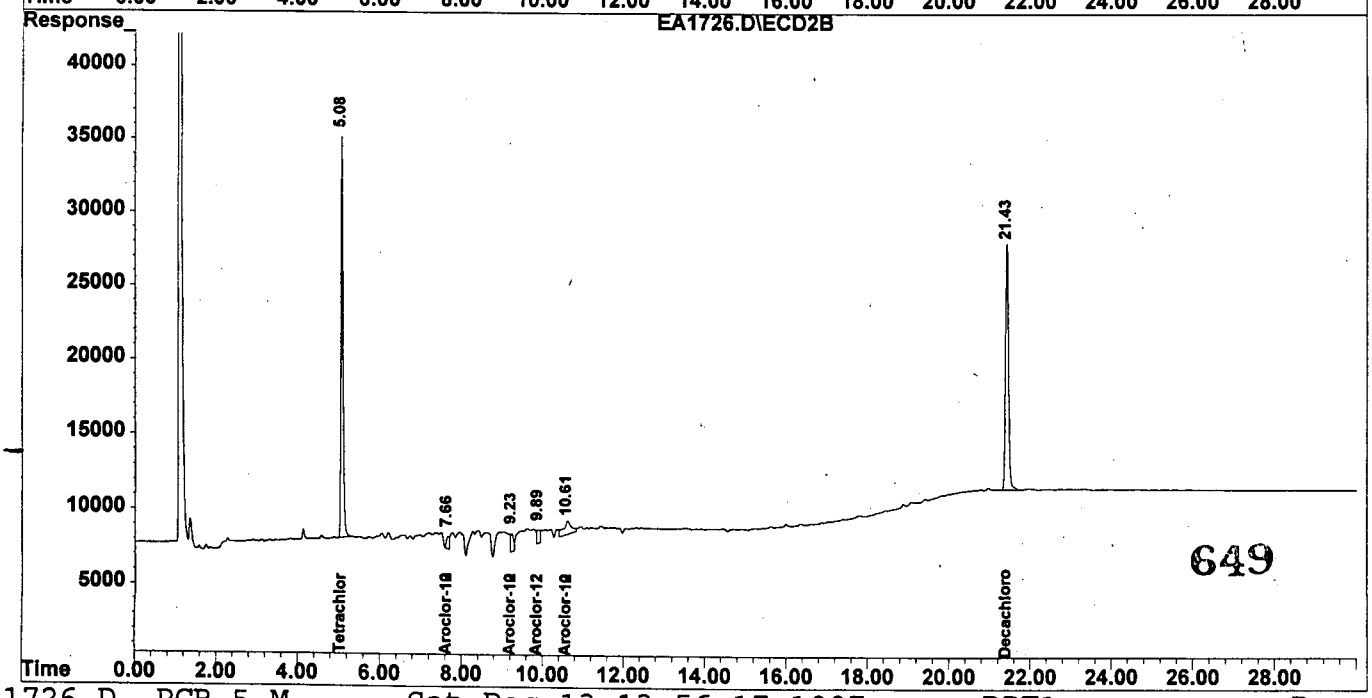
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1726.D\ECD2B.CH
Acq On : 12 Dec 97 00:59 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:21 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





649

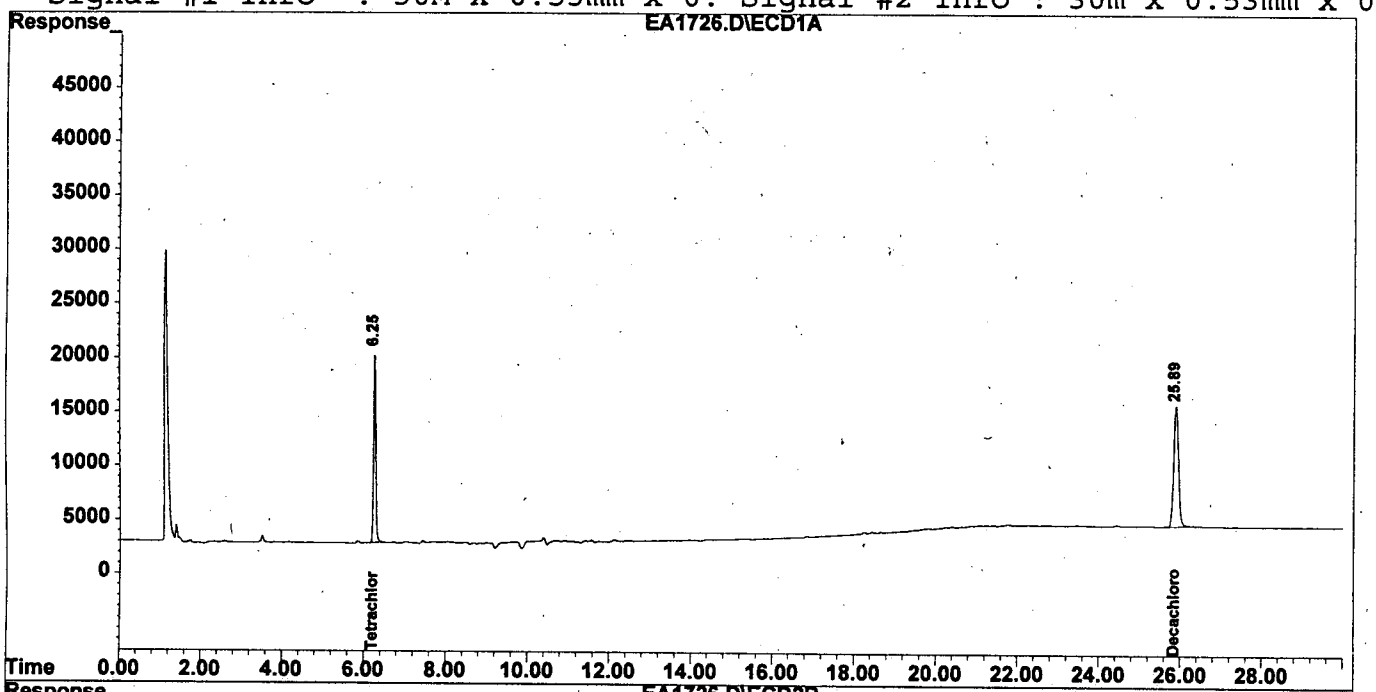
Quantitation Report

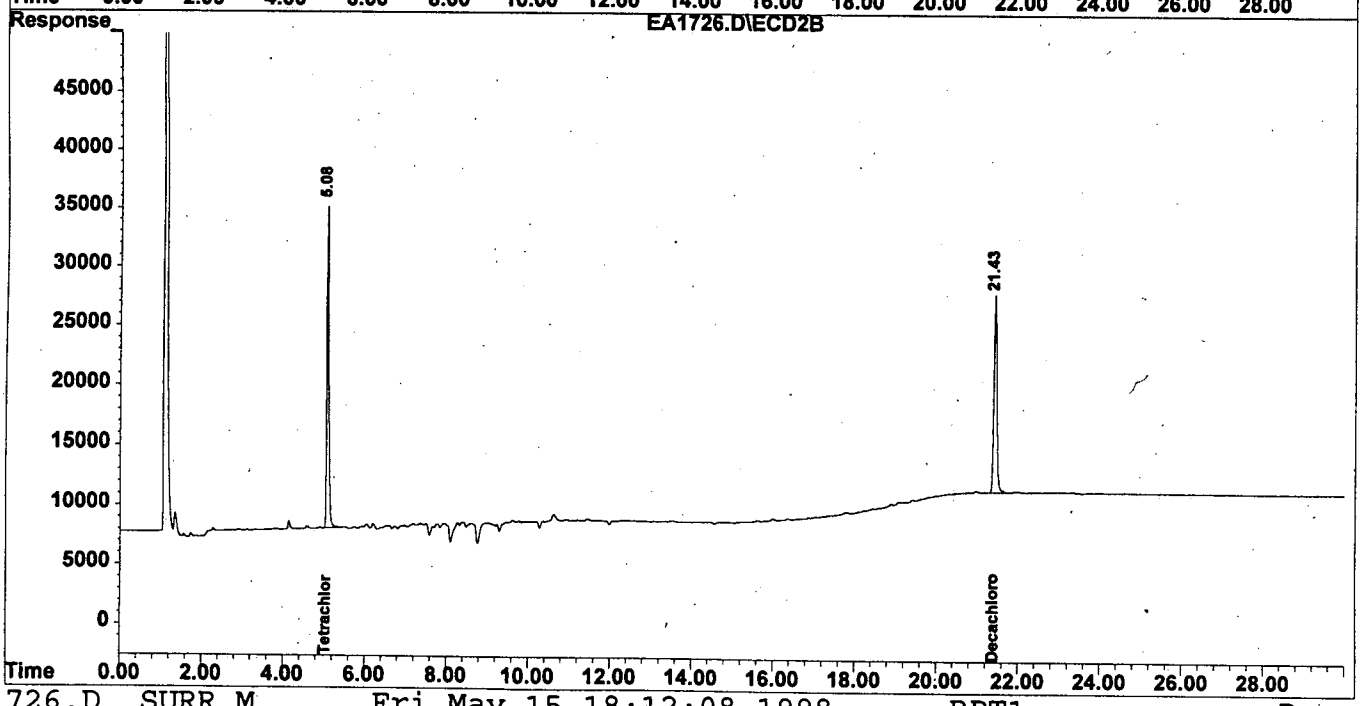
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1726.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDATA\EA1726.D\ECD2B.CH
Acq On : 12 Dec 97 00:59 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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6 4 8A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 17, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7395	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278214	278215	278216	278217	278218
278219	278220	278221	278222	278223
278224	278225	278226	278227	278228
278229	278230	278231	278232	278220S
278220SD				

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Thomas Mancuso, Lab Mgr.
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LOU

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0854.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_B\BA0854.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 15:58 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.20	5.96	388929	266002	42.933	41.069
Spiked Amount 40.000	Range	43 - 150	Recovery	=	107.33%	102.67%
2) SA Decachlorobiphen	29.16	24.47	590330	380021	39.228	42.613
Spiked Amount 40.000	Range	24 - 154	Recovery	=	98.07%	106.53%
Target Compounds						
6) L1 Aroclor-1016{4}	12.35	0.00	27544	0	98.383	N.D. #
Sum Aroclor-1016			27544	0	98.383	N.D.
Average Aroclor-1016					98.383	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{3}	10.68	0.00	5216	0	24.030	N.D. #
Sum Aroclor-1232			5216	0	24.030	N.D.
Average Aroclor-1232					24.030	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

651

12/11/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0854.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0854.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:02 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.20	5.96	389053	263589	20.762	20.607
Spiked Amount	40.000	Range	43 - 150	Recovery	= 51.91%	51.52%
2) SA Decachlorobiphen	29.16	24.47	591444	364791	26.819	39.271 #
Spiked Amount	40.000	Range	24 - 154	Recovery	= 67.05%	98.18%
Target Compounds						
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

651A

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

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0854A.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0854A.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:13 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.20	5.96	389053	263589	41.822	43.621
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.56%	109.05%
2) SA Decachlorobiphen	29.16	24.47	591444	364791	39.163	43.911
Spiked Amount 40.000 Range 24 - 154 Recovery =					97.91%	109.78%

Target Compounds

6 5 1B

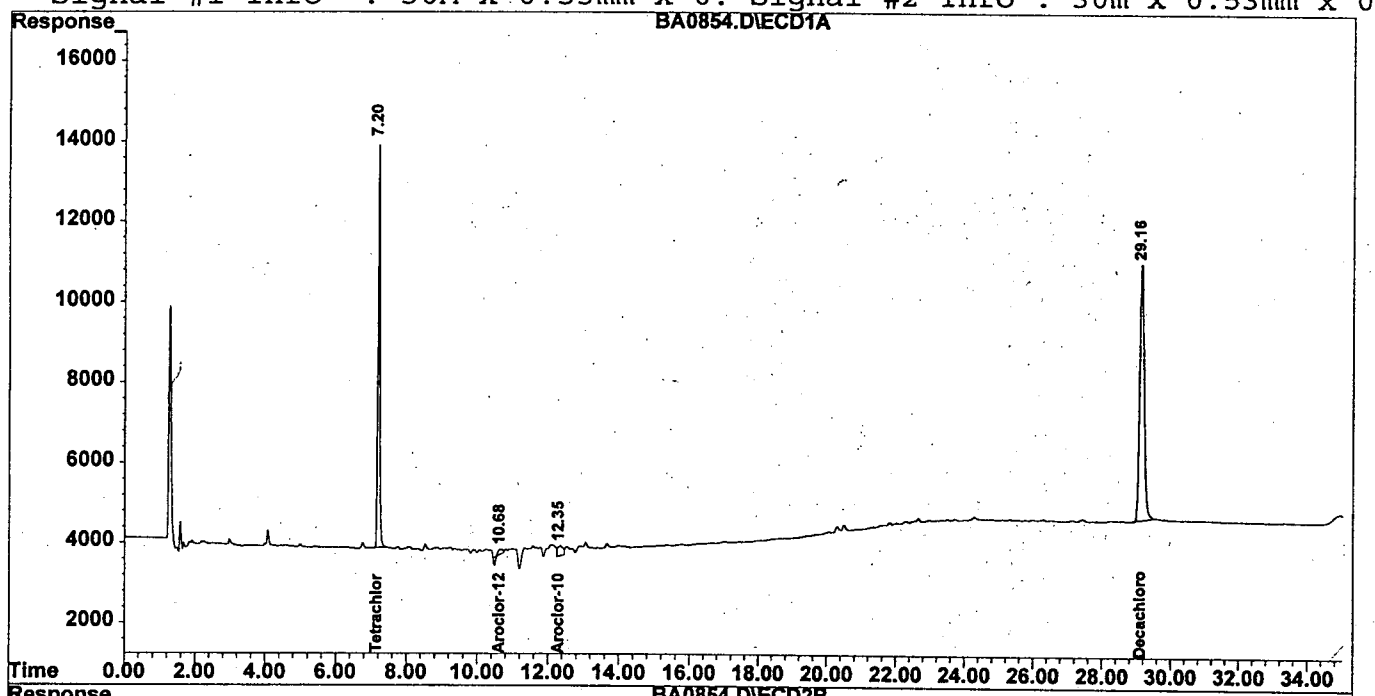
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

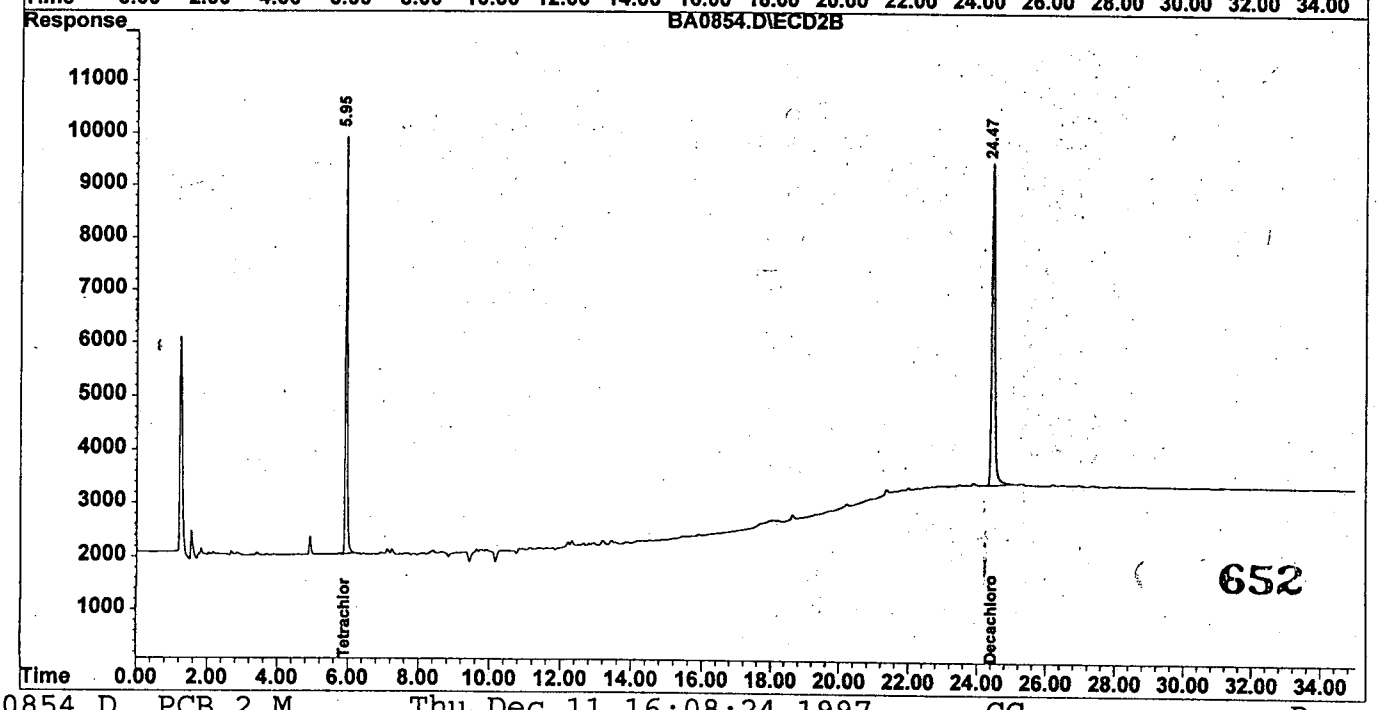
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0854.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_B\BA0854.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 15:58 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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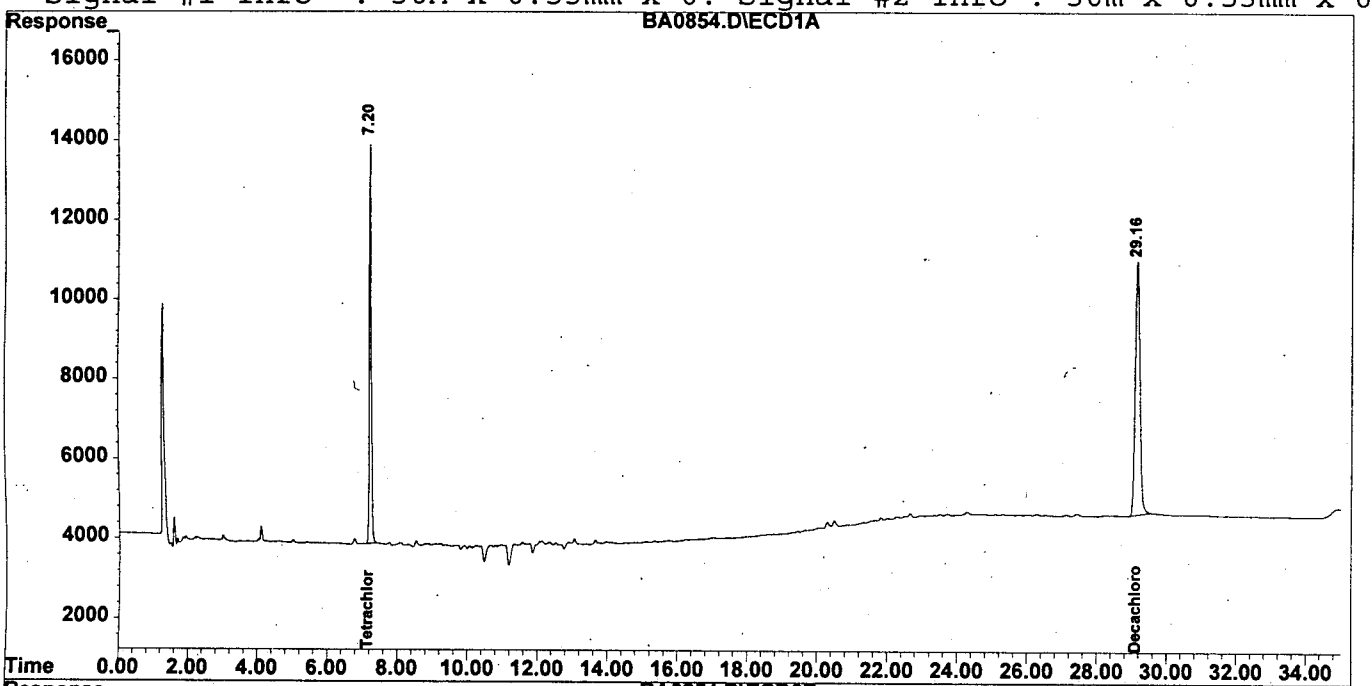
Quantitation Report

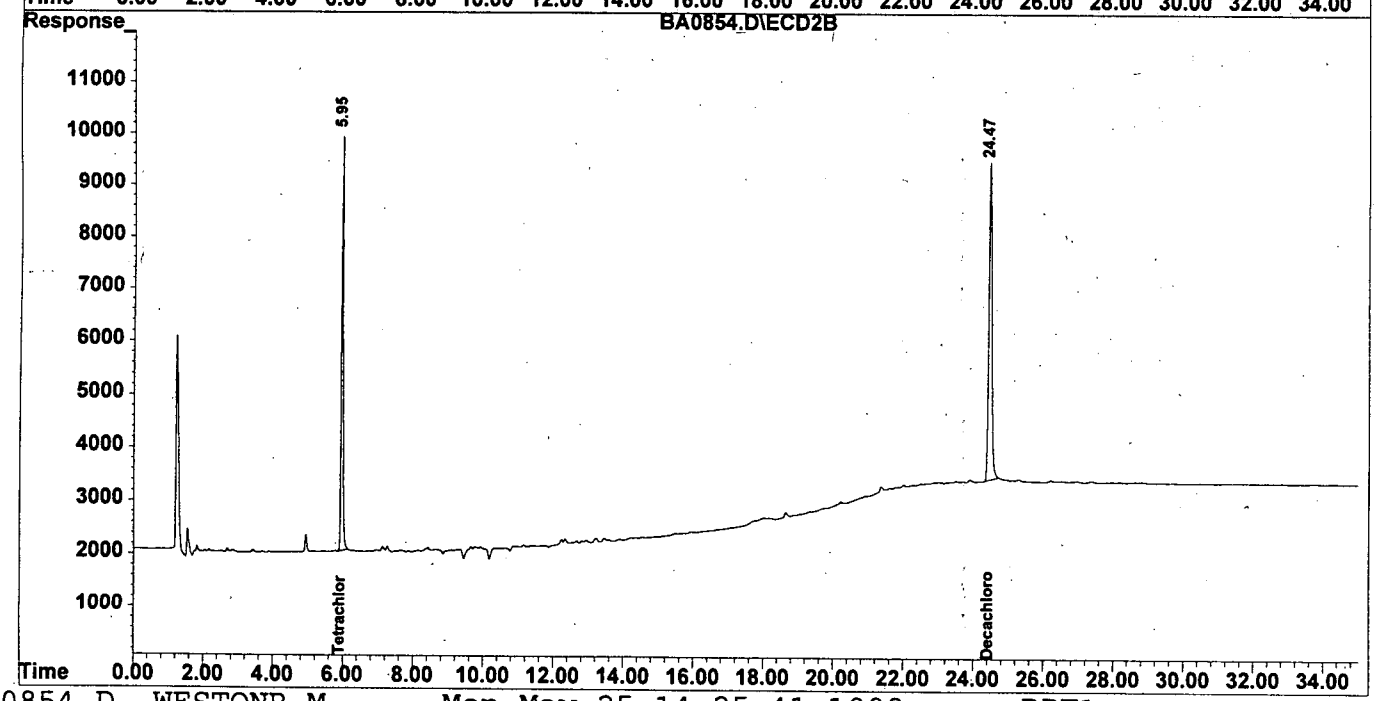
AMENDED REPORT MAY 2 8 19

Signal #1 : E:\WESTDA~1\BA0854.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0854.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:02 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





652A

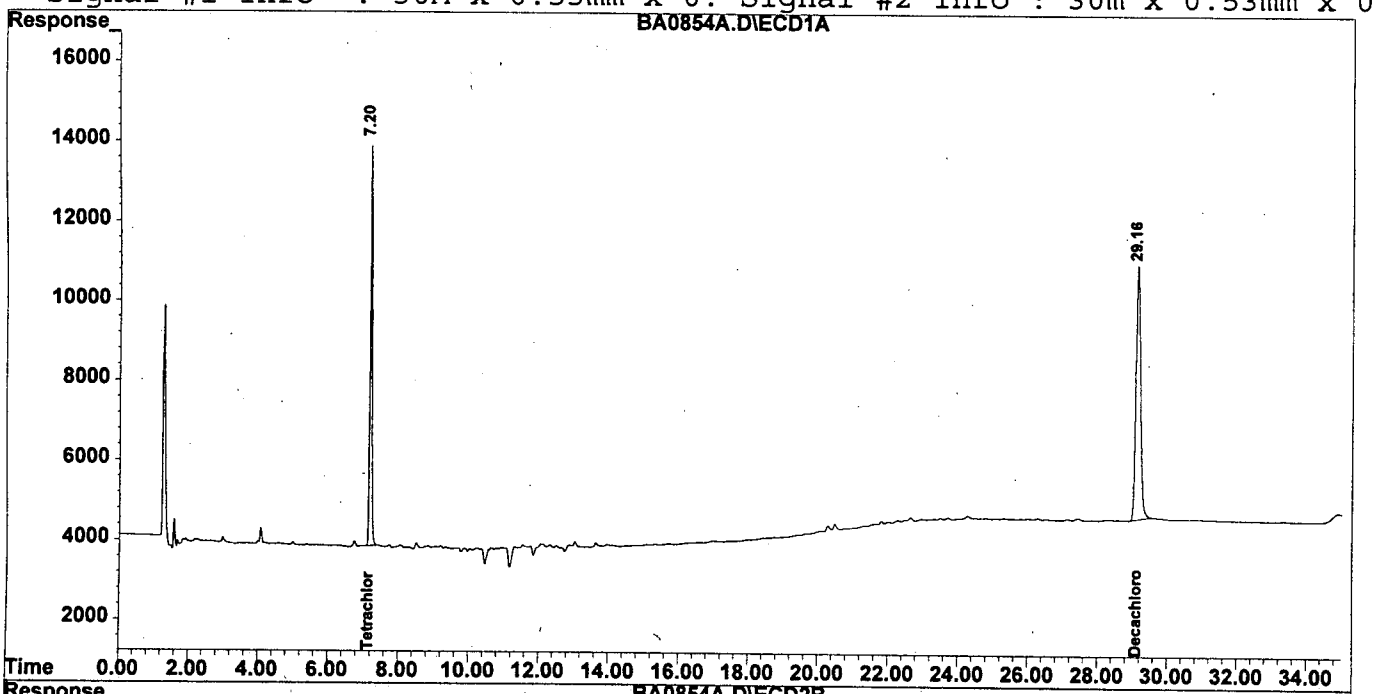
AMENDED REPORT MAY 3 0 1998

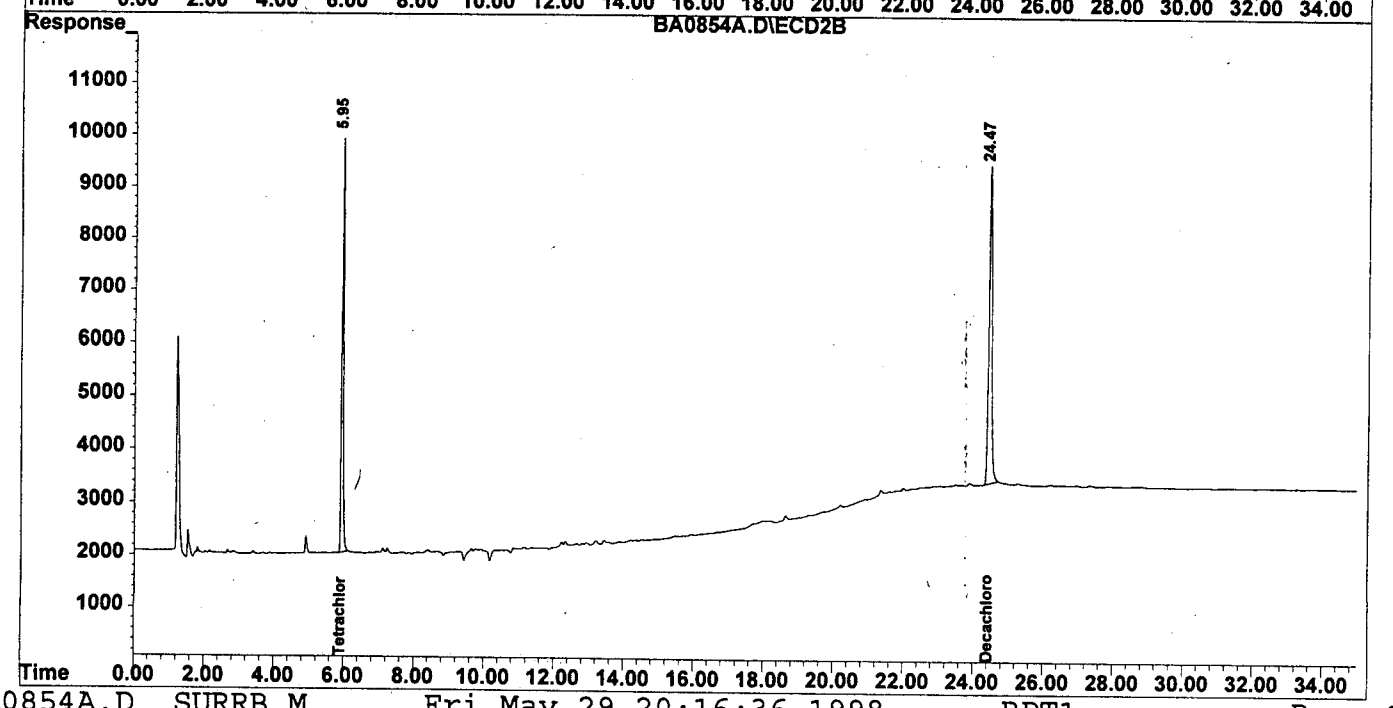
Quantitation Report

Signal #1 : E:\WESTDA~1\BA0854A.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0854A.D\ECD2B.CH
Acq On : 11 Dec 97 12:26 Operator:
Sample : BLANK Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:13 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





652B

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7396	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/11/97
Weight/Volume:	30g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	33	17
Aroclor-1221	U	67	47
Aroclor-1232	U	33	27
Aroclor-1242	U	33	17
Aroclor-1248	U	33	20
Aroclor-1254	U	33	23
Aroclor-1260	U	33	27

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the PQL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278233 278234 278235 278236 278237
278233S 278233 SD

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Thomas Mancuso, Lab Mgr.
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NEE

AMENDED REPORT JUN 0 4 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1708.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_E\EA1708.D\ECD2B.CH
Acq On : 11 Dec 97 13:42 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 16:12 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.27	5.09	589644	916018	42.859	46.058	
Spiked Amount 40.000 Range 43 - 150 Recovery =					107.15%	115.15%	
2) SA Decachlorobiphen	25.93	21.45	897893	839462	38.591	38.632	
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.48%	96.58%	
Target Compounds							
4) L1 Aroclor-1016{2}	9.43	7.67	59057	52089	87.108	59.812	#
7) L1 Aroclor-1016{5}	0.00	10.63	0	398721	N.D.	473.293	#
Sum Aroclor-1016			59057	450810	87.108	533.106	
Average Aroclor-1016					87.108	266.553	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
13) L3 Aroclor-1232{2}	9.43	7.67	59057	52089	190.171	141.906	#
16) L3 Aroclor-1232{5}	0.00	10.63	0	398721	N.D.	1045.930	#
Sum Aroclor-1232			59057	450810	190.171	1187.836	
Average Aroclor-1232					190.171	593.918	
18) L4 Aroclor-1242{2}	9.43	7.67	59057	52089	109.855	80.274	#
21) L4 Aroclor-1242{5}	0.00	10.63	0	398721	N.D.	602.789	#
Sum Aroclor-1242			59057	450810	109.855	683.063	
Average Aroclor-1242					109.855	341.531	
22) L5 Aroclor-1248{1}	9.43	7.67	59057	52089	205.409	146.330	#
24) L5 Aroclor-1248{3}	0.00	10.63	0	398721	N.D.	424.346	#
Sum Aroclor-1248			59057	450810	205.409	570.676	
Average Aroclor-1248					205.409	285.338	
27) L6 Aroclor-1254{1}	11.61	9.79	23519	168198	62.863	272.878	#
28) L6 Aroclor-1254{2}	0.00	11.68	0	80350	N.D.	65.051	#
Sum Aroclor-1254			23519	248548	62.863	337.929	
Average Aroclor-1254					62.863	168.965	
Sum 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.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1708.D\ECD1A.CH Vial: 4
Signal #2 : E:\WESTDATA\EA1708.D\ECD2B.CH
Acq On : 11 Dec 97 13:42 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.27	5.09	589644	1013417	41.457	46.804
Spiked Amount 40.000 Range 43 - 150 Recovery =					103.64%	117.01%
2) SA Decachlorobiphen	25.93	21.45	910132	1094775	38.696	47.987
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.74%	119.97%

Target Compounds

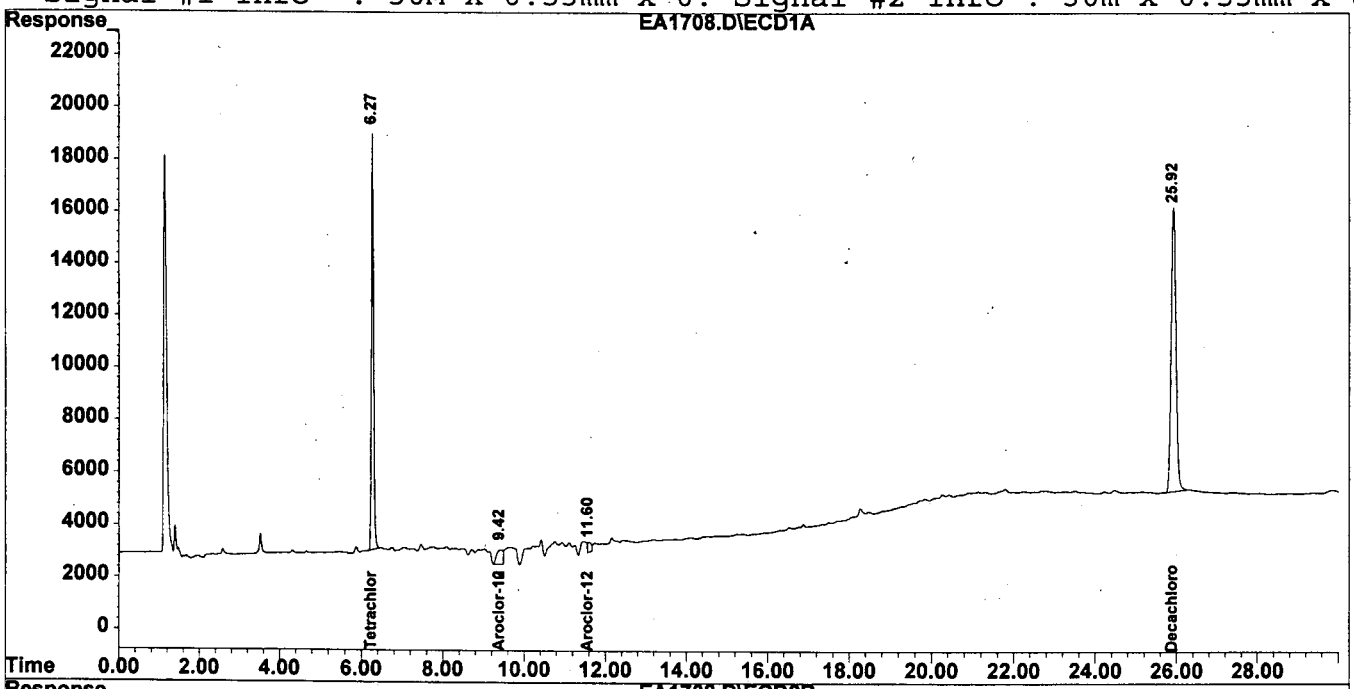
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

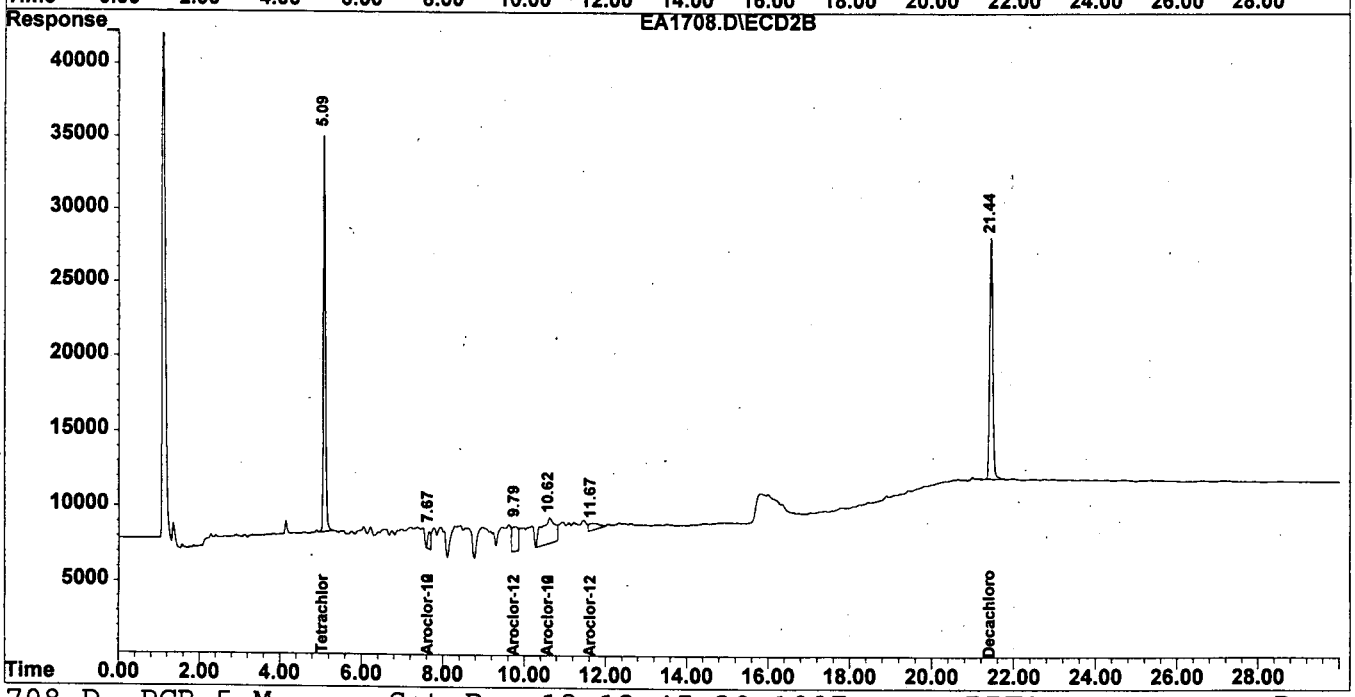
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1708.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_E\EA1708.D\ECD2B.CH
Acq On : 11 Dec 97 13:42 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 16:12 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





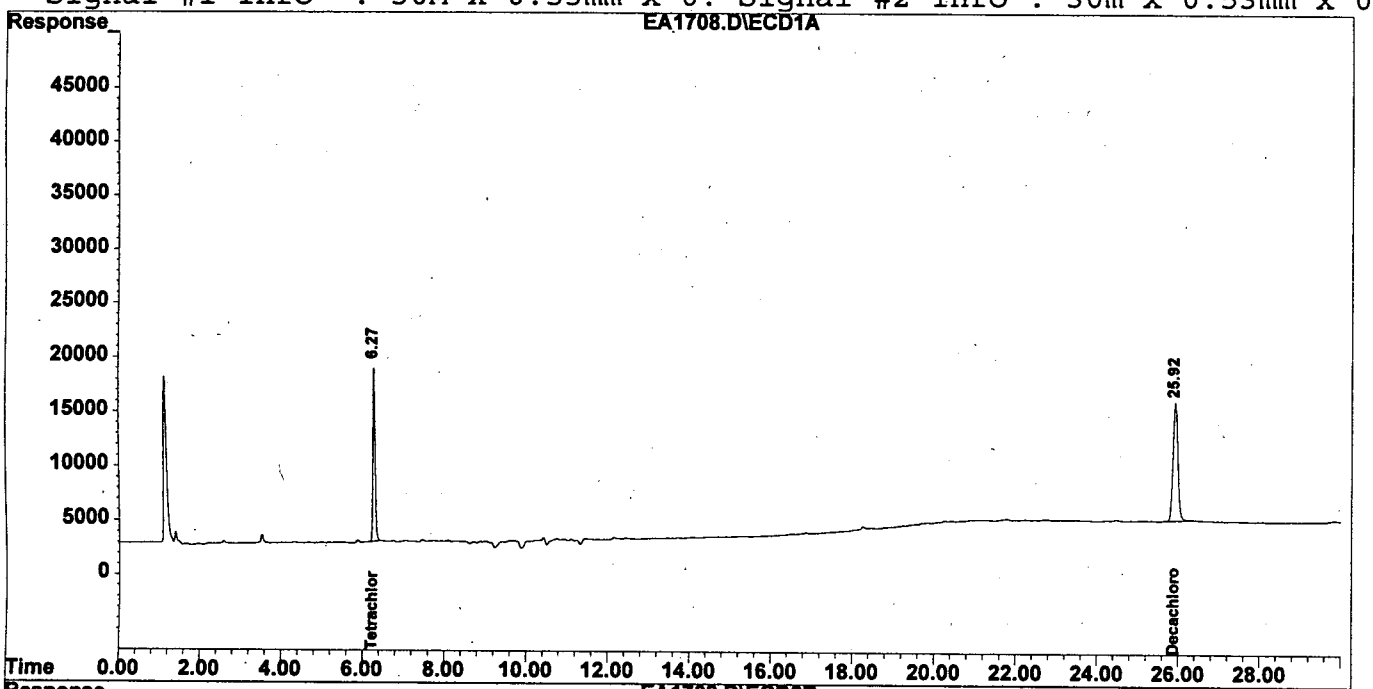
Quantitation Report

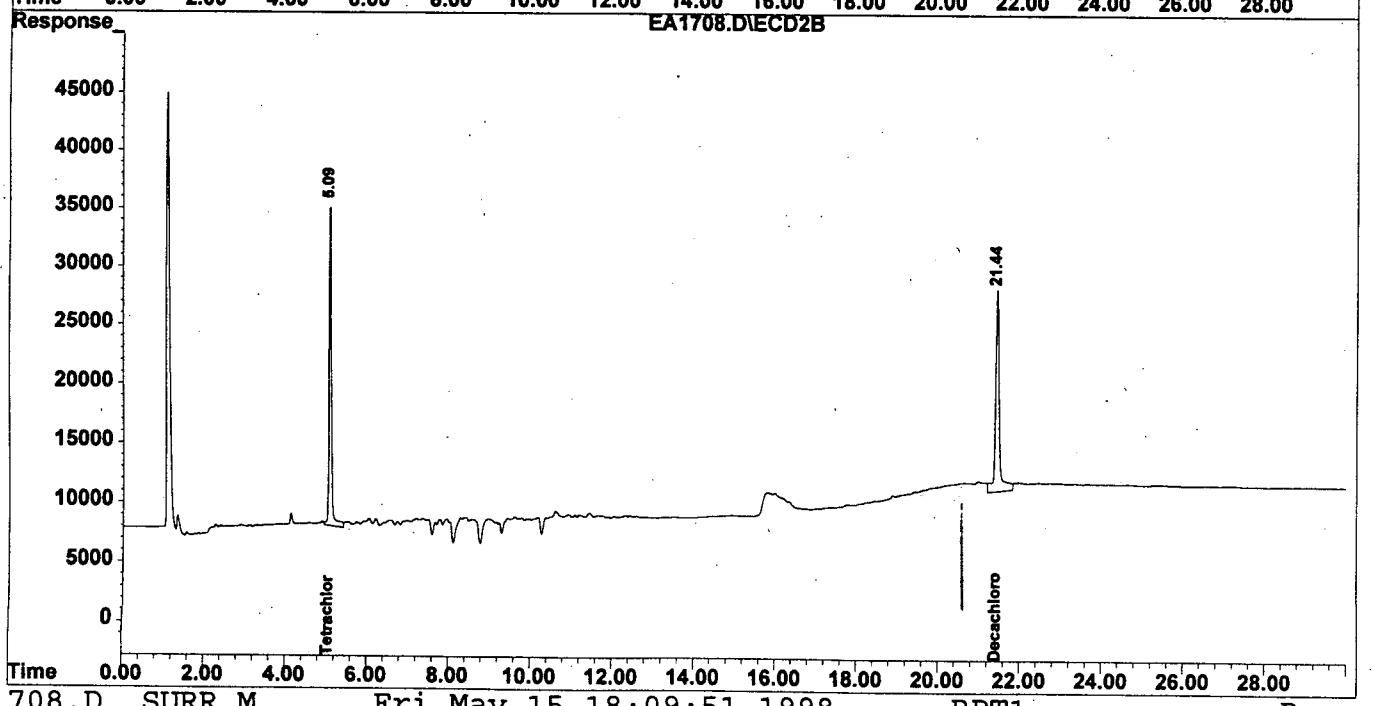
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1708.D\ECD1A.CH Vial: 4
Signal #2 : E:\WESTDATA\EA1708.D\ECD2B.CH
Acq On : 11 Dec 97 13:42 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:33 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





655A

INDUSTRIAL CORROSION MANAGEMENT, INC.
1152 Route 10
Randolph, NJ 07869
973-584-0330, FAX: 973-584-0515
DECEMBER 16, 1997

Certified for: NJ, PA, DE, CT, NY(DOH)
NJ #14116 NY #11376
US EPA CLP Lab

PCB Method Blank Summary

Batch #:	QPC7403	Column used:	DB 1701/DB 608
Extraction date:	12/09/97	Analysis date:	12/14/97
Weight/Volume:	1000g	Final Volume:	10ml
Dilution Factor:	1		
Matrix:	SOIL		

ANALYTE NAME	METHOD BLANK RESULT UG/KG	PRACTICAL QUANTITATION LIMIT UG/KG	MINIMUM DETECTION LIMIT UG/KG
Aroclor-1016	U	1.0	0.5
Aroclor-1221	U	2.0	1.4
Aroclor-1232	U	1.0	0.8
Aroclor-1242	U	1.0	0.5
Aroclor-1248	U	1.0	0.6
Aroclor-1254	U	1.0	0.7
Aroclor-1260	U	1.0	0.8

UG/KG = micrograms/kilogram or ppb
Results are in ug/kg, they are reported on a dry weight basis.

U: Indicates a compound was analyzed for but not detected at the MDL
J: Indicates an estimated value. It is utilized when a reported value meets the identification criteria but the result is less than the specified detection limit but greater than zero.
B: Indicates that the analyte was found in the blank as well as the sample. It indicates possible/probable blank contamination.
ND: Not Determined.

Associated Samples:

278238 Blank S Blank SD

INDUSTRIAL CORROSION MANAGEMENT, INC.
Thomas Mancuso, Lab Mgr.
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NEE

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 3 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1768.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1768.D\ECD2B.CH
Acq On : 14 Dec 97 1:20 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 12:41 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	440151	647180	31.993	32.541
Spiked Amount 40.000 Range 43 - 150 Recovery =					79.98%	81.35%
2) SA Decachlorobiphen	25.90	21.44	627229	582624	26.958	26.812
Spiked Amount 40.000 Range 24 - 154 Recovery =					67.40%	67.03%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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12/17/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1768.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1768.D\ECD2B.CH
Acq On : 14 Dec 97 1:20 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	440151	647393	30.946	29.900
Spiked Amount 40.000 Range 43 - 150 Recovery =					77.37%	74.75%
2) SA Decachlorobiphen	25.90	21.45	630862	662282	26.823	29.030
Spiked Amount 40.000 Range 24 - 154 Recovery =					67.06%	72.58%

Target Compounds

6 5 7A 5/2/98

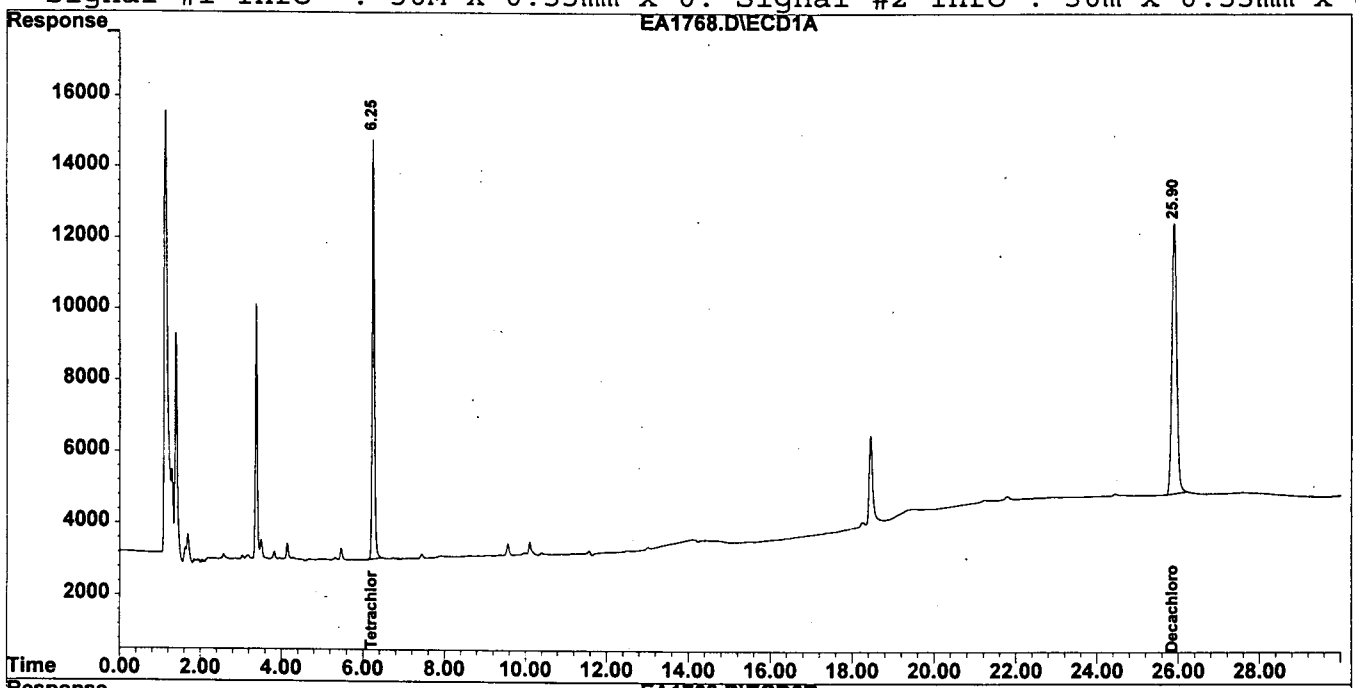
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

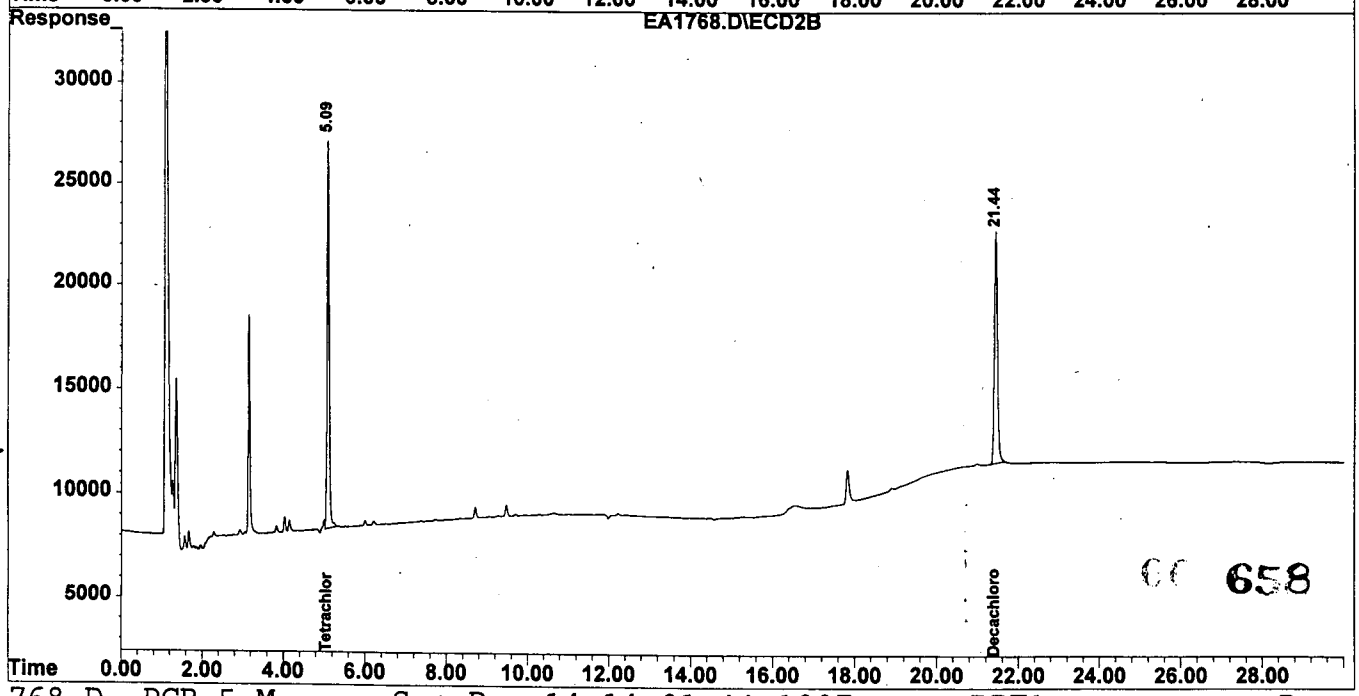
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1768.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1768.D\ECD2B.CH
Acq On : 14 Dec 97 1:20 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 12:41 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CC 658

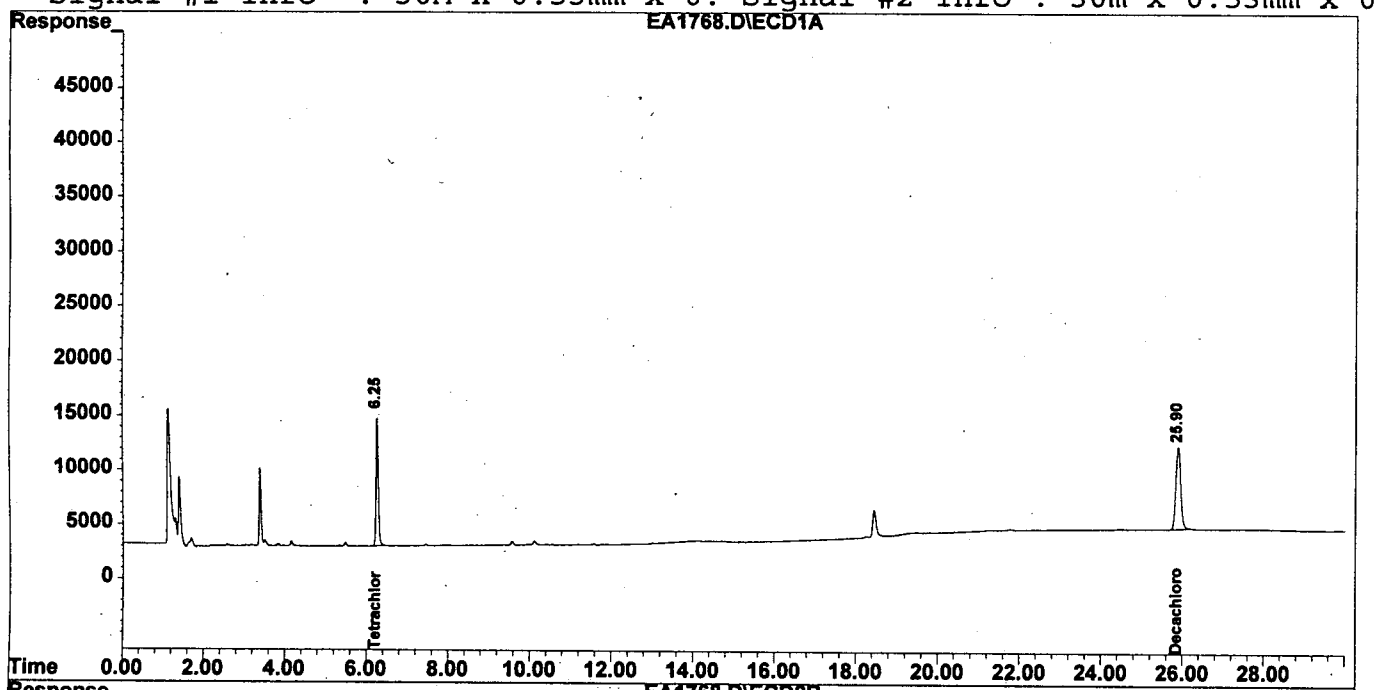
Quantitation Report

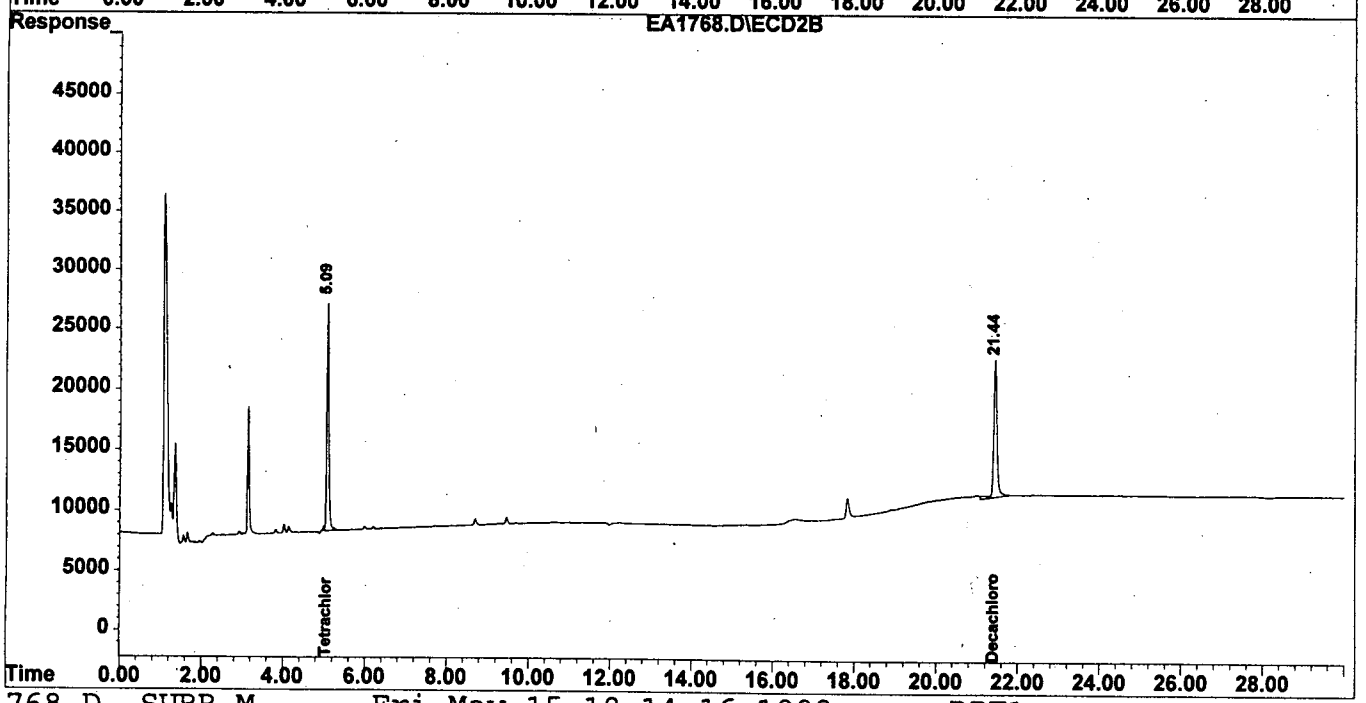
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1768.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDATA\EA1768.D\ECD2B.CH
Acq On : 14 Dec 97 1:20 Operator:
Sample : BLANK Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





658A

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE INITIAL CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTX-50

PRIMARY: X CONFIRMATION:

ICALs #5

ANALYTE NAME	CF #1 100 ng/ml	CF #2 400 ng/ml	CF #3 1000 ng/ml	CF #4 2000 ng/ml	CF #5 5000 ng/ml	AVERAGE CF	%RSD
Aroclor-1016-1	327.9	387.7	350.1	330.1	248.0	328.7	15.6
Aroclor-1016-2	752.2	834.1	671.3	622.9	511.5	678.4	18.2
Aroclor-1016-3	1333.5	1592.2	1234.1	1207.4	1030.3	1279.5	16.1
Aroclor-1016-4	453.6	561.2	441.7	379.6	381.4	443.5	16.7
Aroclor-1016-5	682.1	816.3	625.7	611.1	541.3	655.3	15.7
Aroclor-1221-1	149.6	146.9	134.8	116.6	100.4	129.7	16.1
Aroclor-1221-2	97.2	105.0	99.9	91.0	81.3	94.9	9.6
Aroclor-1221-3	140.0	156.2	148.9	130.0	113.5	137.7	12.1
Aroclor-1221-4	442.2	469.3	432.9	374.3	320.7	407.9	14.7
Aroclor-1232-1	375.1	304.3	289.9	264.2	223.9	291.5	19.2
Aroclor-1232-2	361.9	331.7	322.7	290.9	243.4	310.1	14.5
Aroclor-1232-3	567.7	523.5	521.5	488.7	431.5	506.6	10.0
Aroclor-1232-4	373.3	318.2	320.2	298.4	260.8	314.2	13.0
Aroclor-1232-5	250.7	226.9	236.1	222.1	196.1	226.4	8.9
Aroclor-1242-1	317.0	261.6	261.0	250.0	213.4	260.6	14.3
Aroclor-1242-2	688.0	568.2	525.9	493.8	412.1	537.6	18.9
Aroclor-1242-3	1172.5	987.2	947.9	932.1	820.5	972.0	13.2
Aroclor-1242-4	329.7	347.5	339.6	338.5	303.5	331.8	5.1
Aroclor-1242-5	660.8	572.0	548.5	534.7	470.4	557.3	12.4
Aroclor-1248-1	351.6	313.2	286.3	263.0	223.5	287.5	16.9
Aroclor-1248-2	1014.2	889.6	834.9	778.4	677.2	838.9	15.0
Aroclor-1248-3	948.1	815.0	746.1	691.8	601.7	760.5	17.2
Aroclor-1248-4	877.5	765.1	705.6	646.2	557.1	710.3	17.0
Aroclor-1248-5	343.5	346.2	343.2	326.8	300.1	332.0	5.8
Aroclor-1254-1	478.5	409.4	364.2	323.3	295.3	374.1	19.4
Aroclor-1254-2	746.2	645.0	581.6	539.1	455.2	593.4	18.5
Aroclor-1254-3	1500.2	1348.2	1286.0	1253.7	1108.5	1299.3	11.0
Aroclor-1254-4	654.2	631.4	642.1	631.8	563.1	624.5	5.7
Aroclor-1254-5	1314.2	1237.5	1192.6	1209.9	1110.2	1212.9	6.1
Aroclor-1260-1	1083.4	1195.4	904.8	916.5	786.2	977.3	16.5
Aroclor-1260-2	1262.5	1422.5	1099.2	1152.3	1002.9	1187.9	13.6
Aroclor-1260-3	843.0	986.7	789.0	820.3	744.9	836.8	10.9
Aroclor-1260-4	2073.3	2126.1	1800.7	1905.8	1868.9	1955.0	7.1
Aroclor-1260-5	1984.4	1535.4	1481.2	1590.1	1494.5	1617.1	13.0
Tetrachloro-m-xylene	12782.0	14401.0	14054.4	15150.1	14728.5	14223.2	6.3
Decachlorobiphenyl	24082.0	23543.9	22373.5	24015.6	23584.3	23519.9	2.9

Surrogate concentrations are 10 ng/ml, 25 ng/ml, 50 ng/ml, 100 ng/ml and 200 ng/ml at each CF level, respectively.
Tetrachloro-m-xylene and Decachlorobiphenyl surrogate responses taken from the Aroclor-1016/1260 standards.

ICALPCB5.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE INITIAL CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5 PRIMARY: CONFIRMATION: X
GC COLUMN USED: RTX-1701

ANALYTE NAME	CF #1 100 ng/ml	CF #2 400 ng/ml	CF #3 1000 ng/ml	CF #4 2000 ng/ml	CF #5 5000 ng/ml	AVERAGE CF	%RSD
Aroclor-1016-1	493.2	572.5	440.1	441.7	354.8	460.4	17.4
Aroclor-1016-2	970.3	1066.1	855.1	815.0	661.8	873.7	17.6
Aroclor-1016-3	2128.6	2274.4	1788.1	1713.6	1402.9	1861.5	18.6
Aroclor-1016-4	897.7	1073.0	814.1	785.8	659.5	846.0	18.1
Aroclor-1016-5	956.4	1058.1	787.0	782.3	642.9	845.3	19.3
Aroclor-1221-1	310.4	293.6	280.6	254.5	226.3	273.1	12.2
Aroclor-1221-2	189.6	181.8	183.3	163.6	147.5	173.1	10.0
Aroclor-1221-3	745.1	691.0	673.2	583.2	509.9	640.5	14.6
Aroclor-1221-4	140.1	139.1	148.4	131.6	127.5	137.3	5.9
Aroclor-1232-1	485.7	426.3	424.6	392.2	337.7	413.3	13.1
Aroclor-1232-2	405.5	377.9	388.5	354.3	309.2	367.1	10.2
Aroclor-1232-3	886.7	775.1	776.6	717.2	615.4	754.2	13.1
Aroclor-1232-4	411.9	319.6	350.2	330.5	292.8	341.0	13.1
Aroclor-1232-5	504.8	370.7	372.5	352.4	305.6	381.2	19.5
Aroclor-1242-1	430.8	369.0	361.5	353.5	308.6	364.7	12.0
Aroclor-1242-2	732.5	690.9	656.9	630.5	533.6	648.9	11.5
Aroclor-1242-3	1696.5	1438.3	1386.1	1324.9	1128.1	1394.8	14.7
Aroclor-1242-4	699.8	598.7	623.5	609.7	527.9	611.9	10.0
Aroclor-1242-5	851.5	656.3	639.4	622.5	537.5	661.5	17.5
Aroclor-1248-1	412.9	383.5	354.9	334.3	294.2	356.0	12.8
Aroclor-1248-2	1452.1	1337.2	1214.4	1110.0	948.8	1212.5	16.1
Aroclor-1248-3	1094.9	1041.7	940.2	865.7	755.6	939.6	14.5
Aroclor-1248-4	975.3	892.6	879.9	838.9	750.1	867.4	9.5
Aroclor-1248-5	368.7	351.8	352.3	361.7	335.1	353.9	3.6
Aroclor-1254-1	737.2	679.0	608.0	571.9	485.9	616.4	15.7
Aroclor-1254-2	1517.5	1368.4	1219.5	1119.1	951.5	1235.2	17.7
Aroclor-1254-3	1241.0	1108.3	965.7	881.3	744.9	988.2	19.6
Aroclor-1254-4	1521.8	1546.1	1411.0	1338.5	1183.7	1400.2	10.5
Aroclor-1254-5	1494.2	1476.7	1376.4	1325.2	1195.9	1373.7	8.9
Aroclor-1260-1	1210.5	1337.8	1077.1	1026.3	854.0	1101.1	16.7
Aroclor-1260-2	1545.2	1861.7	1401.1	1392.8	1133.3	1466.8	18.1
Aroclor-1260-3	1979.1	2348.8	1792.0	1913.1	1539.5	1914.5	15.4
Aroclor-1260-4	2135.1	2741.6	2170.4	2262.7	1916.5	2245.3	13.6
Aroclor-1260-5	1536.0	1948.2	1613.4	1633.3	1464.6	1639.1	11.3
Tetrachloro-m-xylene	22685.6	22497.7	20956.5	21604.3	20517.3	21652.3	4.4
Decachlorobiphenyl	23928.3	23808.5	22285.2	23103.7	20943.1	22813.8	5.4

Surrogate concentrations are 10 ng/ml, 25 ng/ml, 50 ng/ml, 100 ng/ml and 200 ng/ml at each CF level, respectively.
Tetrachloro-m-xylene and Decachlorobiphenyl surrogate responses taken from the Aroclor-1016/1260 standards.

ICALPCB5.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1188.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1188.D\ECD2B.CH
Acq On : 18 Nov 97 8:27 Operator:
Sample : AR1660 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 10:40 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	127820	226856	9.033	10.883
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.58%#	27.21%#
SA Decachlorobiphen	26.03	21.49	240820	239283	10.621	10.960
Spiked Amount 40.000 Range 24 - 154 Recovery =					26.55%	27.40%
Target Compounds						
L1 Aroclor-1016{1}	8.08	6.53	32789	49319	87.335	106.405
4) L1 Aroclor-1016{2}	9.41	7.62	75222	97033	112.771	111.375
5) L1 Aroclor-1016{3}	10.60	8.88	133353	212862	105.937	117.224
L1 Aroclor-1016{4}	11.06	9.26	45355	89770	103.674	108.552
7) L1 Aroclor-1016{5}	12.60	10.59	68214	95636	106.863	114.699
Sum Aroclor-1016			354933	544619	NoCal	NoCal
Average Aroclor-1016					103.316	111.651
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
3) L7 Aroclor-1260{1}	16.23	14.02	108340	121047	114.436	110.864
33) L7 Aroclor-1260{2}	16.61	14.66	126252	154521	110.753	106.940
34) L7 Aroclor-1260{3}	19.02	15.65	84297	197911	104.890	105.821
L7 Aroclor-1260{4}	19.56	17.48	207330	213514	114.778m	98.398
L7 Aroclor-1260{5}	20.91	18.48	198442	153597	142.450	95.293 #
Sum Aroclor-1260			724661	840590	587.308	517.315
Average Aroclor-1260					117.462	103.463

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

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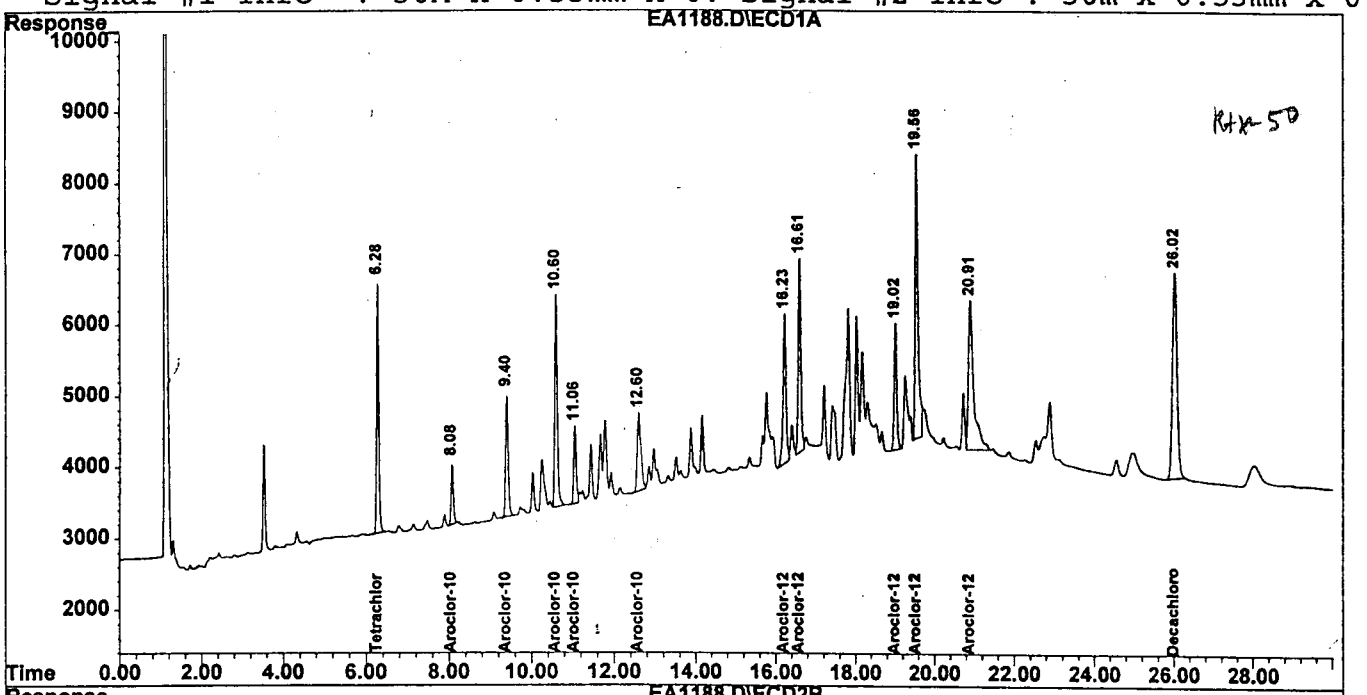
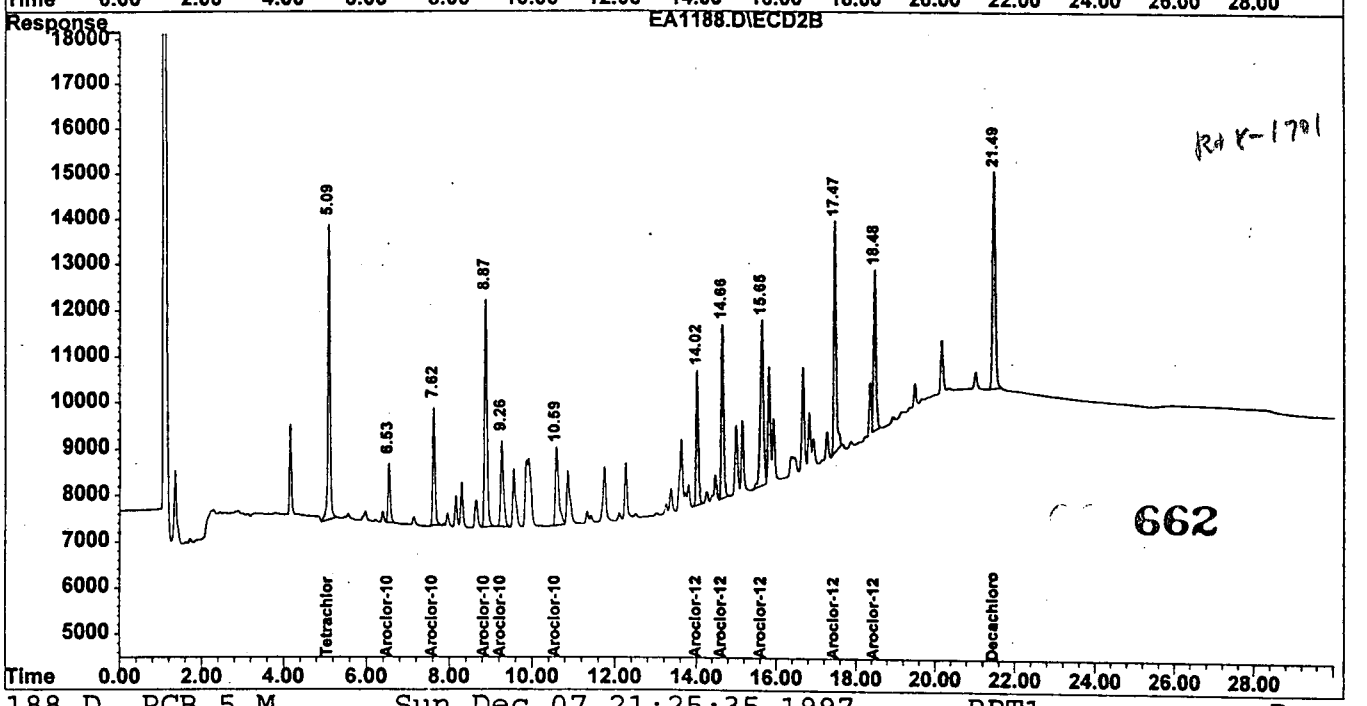
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1188.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1188.D\ECD2B.CH
Acq On : 18 Nov 97 8:27 Operator:
Sample : AR1660 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 10:40 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1159.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_E\EA1159.D\ECD2B.CH
Acq On : 16 Nov 97 23:59 Operator:
Sample : AR1660 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:50 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	360024	562443	25.611	26.985
Spiked Amount 40.000 Range 43 - 150 Recovery =					64.03%	67.46%
2) SA Decachlorobiphen	25.99	21.48	588598	595212	25.996	27.712
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.99%	69.28%
Target Compounds						
) L1 Aroclor-1016{1}	8.05	6.53	155066	228980	231.159m	503.714 #
) L1 Aroclor-1016{2}	9.37	7.61	333632	426420	265.041m	502.264m#
5) L1 Aroclor-1016{3}	10.58	8.87	636865	909750	1455.772	3190.310m#
) L1 Aroclor-1016{4}	11.03	9.26	224487	429202	725.308	519.000 #
) L1 Aroclor-1016{5}	12.57	10.58	326505	423227	897.790	507.588 #
Sum Aroclor-1016			1676555	2417579	NoCal	NoCal
Average Aroclor-1016					715.014	1044.575
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
3) L7 Aroclor-1260{1}	16.20	14.02	478153	535102	505.057	693.152m#
3) L7 Aroclor-1260{2}	16.57	14.65	568989	744681	499.139	683.427 #
34) L7 Aroclor-1260{3}	18.99	15.64	394699	939500	491.119	1375.539 #
35) L7 Aroclor-1260{4}	19.53	17.47	850426	1096654	619.632m	1826.786m#
3) L7 Aroclor-1260{5}	20.87	18.48	614166	779265	1267.326m	861.567 #
Sum Aroclor-1260			2906433	4095202	3382.274	5440.471
Average Aroclor-1260					676.455	1088.094

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

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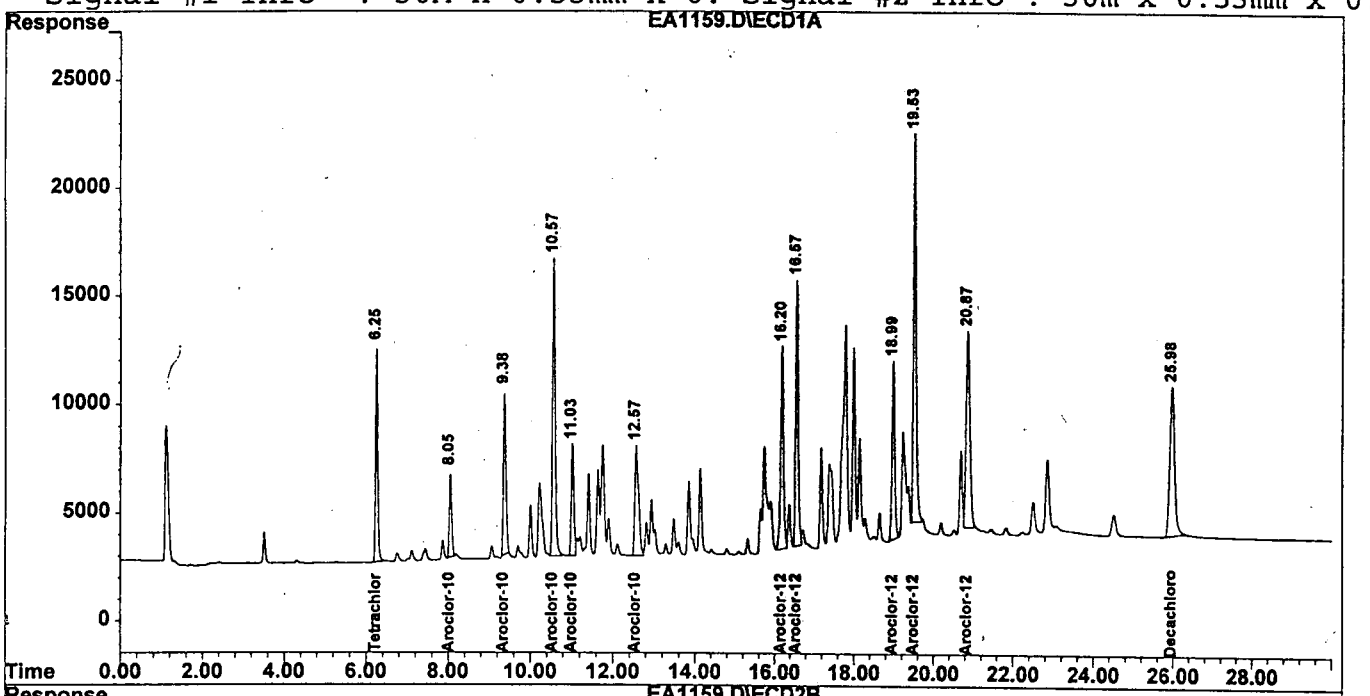
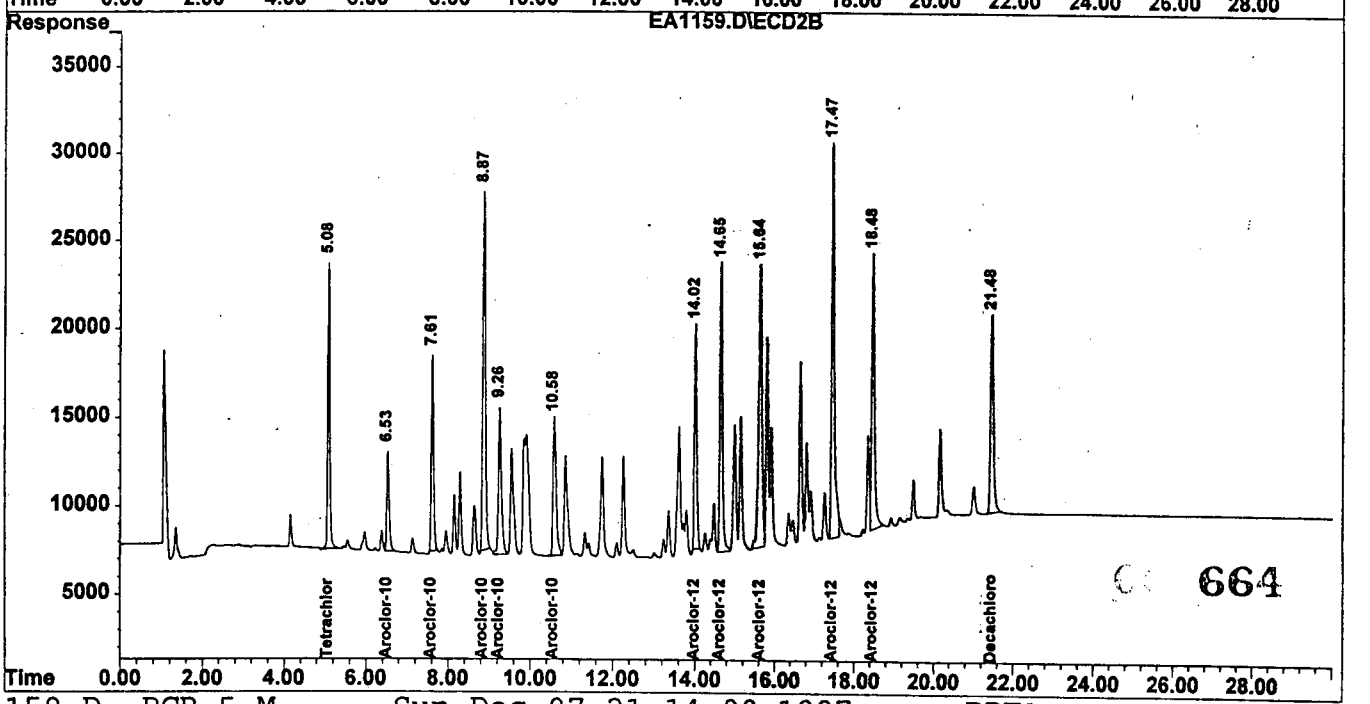
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1159.D\ECD1A.CH Vial: 2
Signal #2 : C:\HPCHEM\1\DATA_E\EA1159.D\ECD2B.CH
Acq On : 16 Nov 97 23:59 Operator:
Sample : AR1660 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:50 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1160.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_E\EA1160.D\ECD2B.CH
Acq On : 17 Nov 97 00:33 Operator:
Sample : AR1660 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:53 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.25	5.08	702718	1047826	49.989	50.273
Spiked Amount 40.000 Range 43 - 150 Recovery =					124.97%	125.68%
) SA Decachlorobiphen	25.98	21.48	1118674	1114261	49.406	51.878
Spiked Amount 40.000 Range 24 - 154 Recovery =					123.52%	129.70%
Target Compounds						
) L1 Aroclor-1016{1}	8.05	6.52	350068	440079	521.850m	968.094 #
4) L1 Aroclor-1016{2}	9.37	7.61	671256	855056	533.254	1007.138 #
5) L1 Aroclor-1016{3}	10.57	8.86	1234109	1788051	2820.978	6270.335 #
) L1 Aroclor-1016{4}	11.03	9.25	441703	814097	1427.122	984.423 #
) L1 Aroclor-1016{5}	12.57	10.58	625662	786998	1720.381	943.868 #
Sum Aroclor-1016			3322798	4684282	NoCal	NoCal
Average Aroclor-1016					1404.717	2034.772
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
) L7 Aroclor-1260{1}	16.19	14.01	904845	1077110	955.757	1395.250 #
) L7 Aroclor-1260{2}	16.57	14.65	1099224	1401097	964.282	1285.849 #
34) L7 Aroclor-1260{3}	18.99	15.64	789041	1791993	981.795	2623.689 #
) L7 Aroclor-1260{4}	19.52	17.47	1800686	2170430	1312.005m	3615.463m#
) L7 Aroclor-1260{5}	20.87	18.48	1481197	1613374	3056.435	1783.770 #
Sum Aroclor-1260			6074993	8054004	7270.275	10704.020
Average Aroclor-1260					1454.055	2140.804

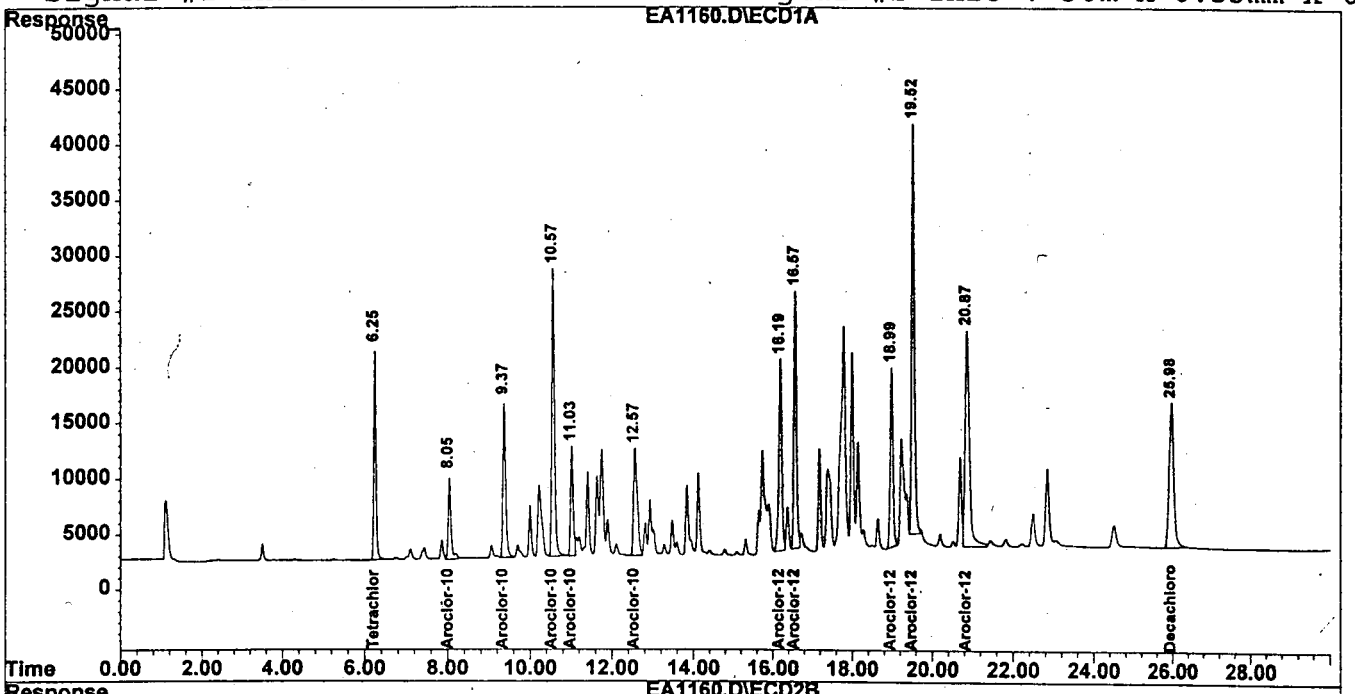
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

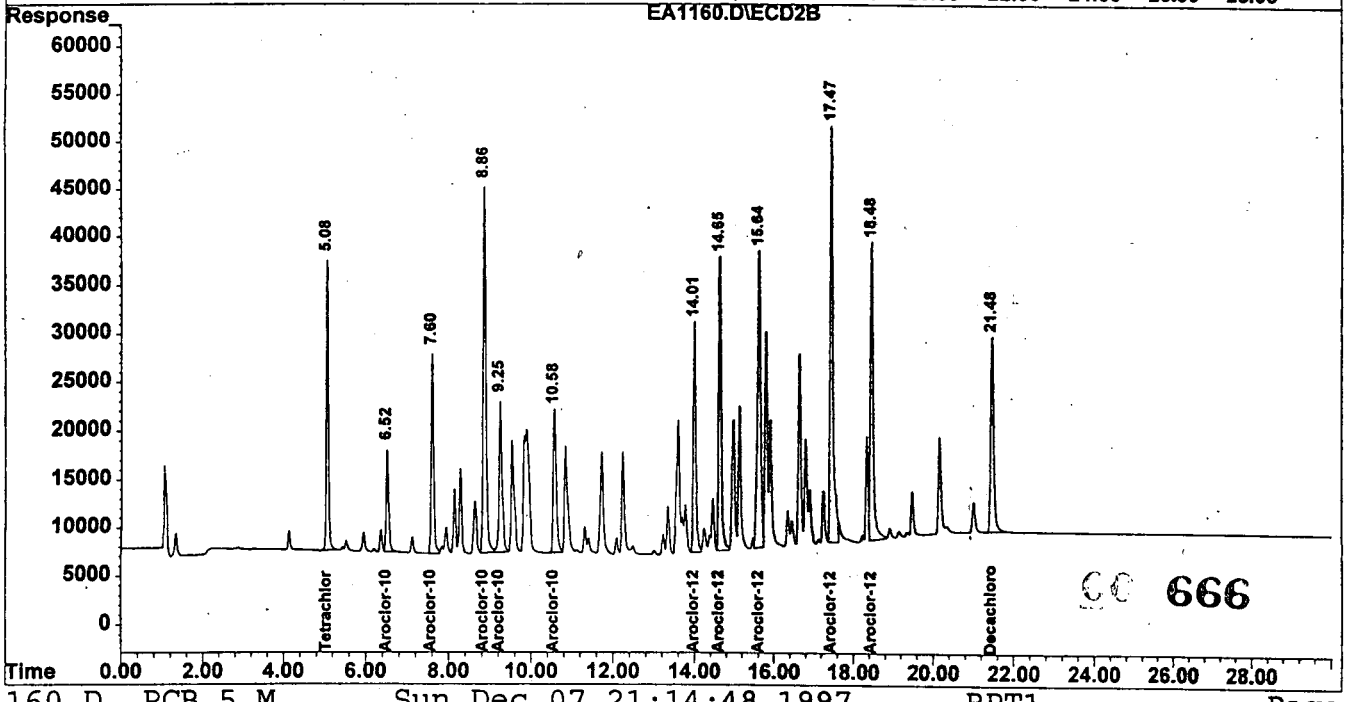
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1160.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_E\EA1160.D\ECD2B.CH
Acq On : 17 Nov 97 00:33 Operator:
Sample : AR1660 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:53 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1161.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_E\EA1161.D\ECD2B.CH
Acq On : 17 Nov 97 1:07 Operator:
Sample : AR1660 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:55 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.25	5.08	1515012	2160426	107.773	103.653
Spiked Amount 40.000 Range 43 - 150 Recovery =					269.43%#	259.13%#
) SA Decachlorobiphen	25.97	21.47	2401561	2310373	106.065	107.568
Spiked Amount 40.000 Range 24 - 154 Recovery =					265.16%#	268.92%#
Target Compounds						
) L1 Aroclor-1016{1}	8.05	6.52	660260	883356	984.257m	1943.222 #
4) L1 Aroclor-1016{2}	9.37	7.61	1245753	1630047	989.640	1919.970 #
5) L1 Aroclor-1016{3}	10.57	8.86	2414775	3427243	5519.793	12018.651 #
) L1 Aroclor-1016{4}	11.03	9.25	759249	1571641	2453.100	1900.460
) L1 Aroclor-1016{5}	12.57	10.58	1222297	1561620	3360.947	1872.893 #
Sum Aroclor-1016			6302334	9073907	NoCal	NoCal
Average Aroclor-1016					2661.547	3931.039
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
3) L7 Aroclor-1260{1}	16.19	14.01	1833063	2052698	1936.202	2658.992 #
3) L7 Aroclor-1260{2}	16.57	14.65	2304631	2785520	2021.712	2556.396 #
34) L7 Aroclor-1260{3}	18.99	15.64	1640539	3826156	2041.305	5601.945 #
35) L7 Aroclor-1260{4}	19.52	17.46	3811632	4525470	2777.209m	7538.446m#
3) L7 Aroclor-1260{5}	20.87	18.47	3180202	3266597	6562.316	3611.596 #
Sum Aroclor-1260			12770066	16456441	15338.744	21967.375
Average Aroclor-1260					3067.749	4393.475

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

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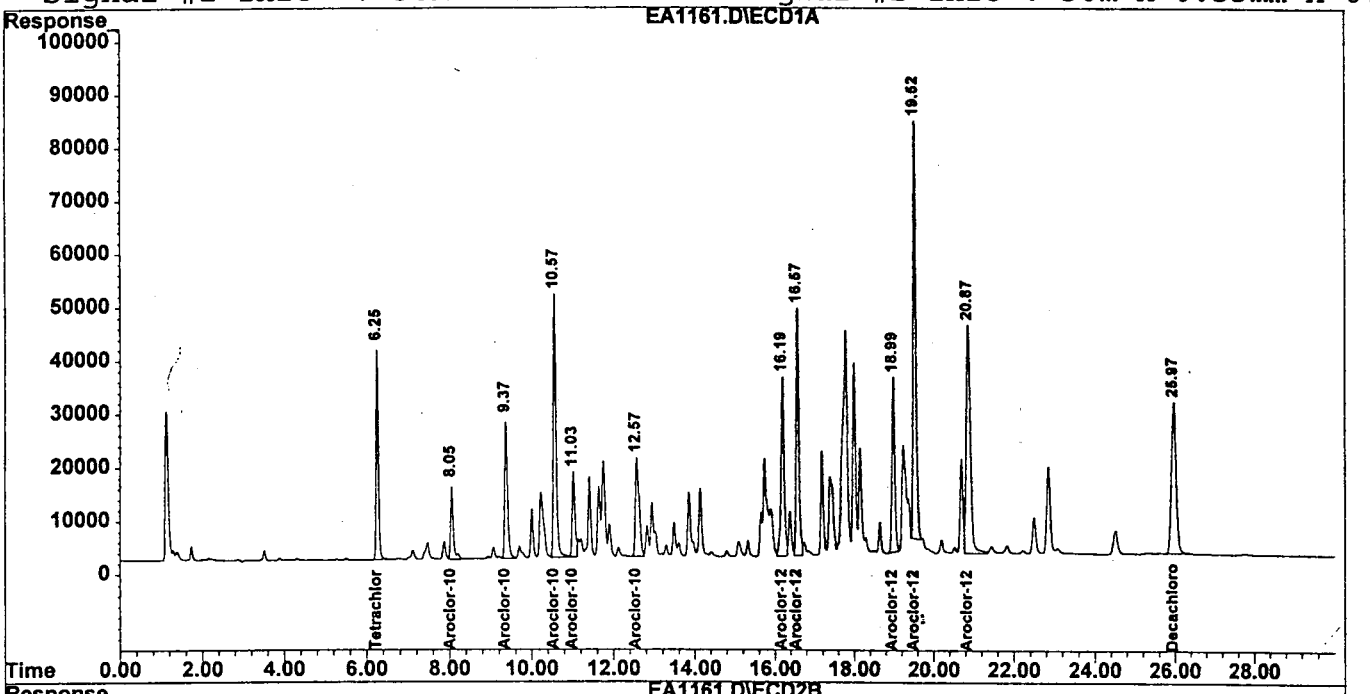
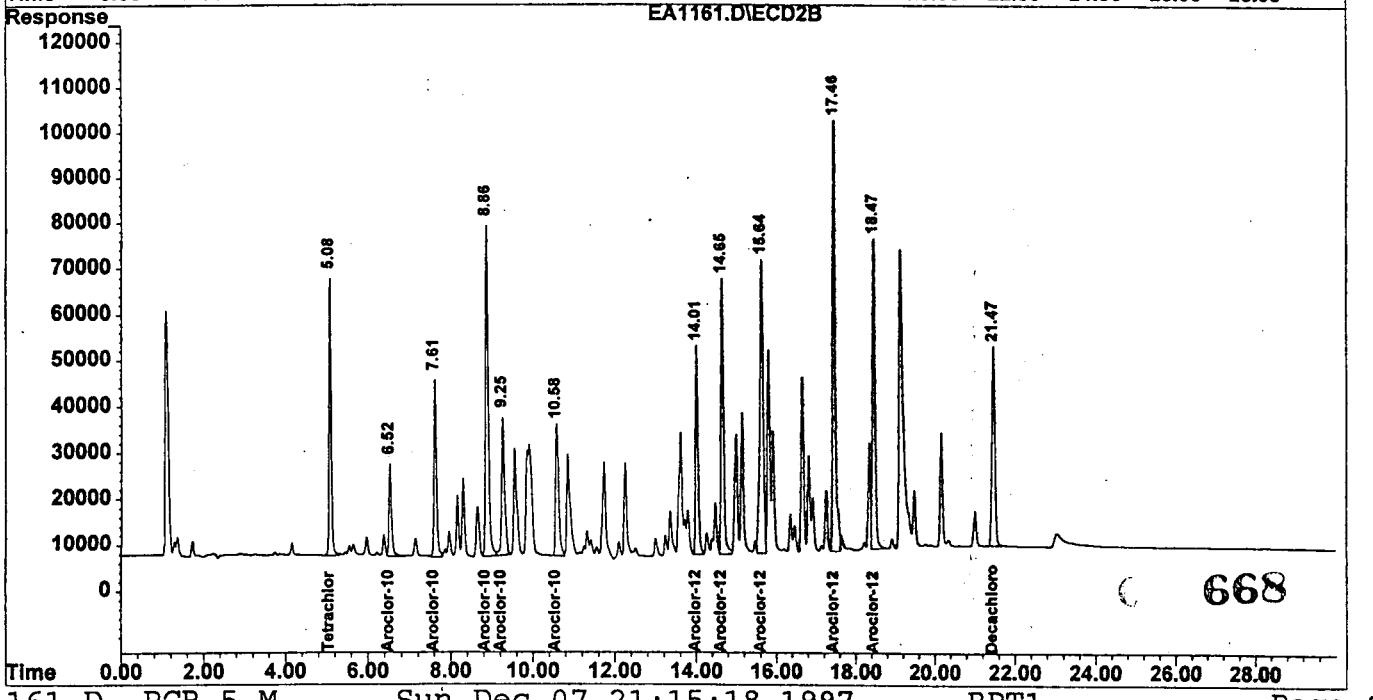
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1161.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_E\EA1161.D\ECD2B.CH
Acq On : 17 Nov 97 1:07 Operator:
Sample : AR1660 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:55 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1189.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1189.D\ECD2B.CH
Acq On : 18 Nov 97 9:01 Operator:
Sample : AR1660 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 10:14 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	2945691	4103465	208.166	196.854
Spiked Amount 40.000 Range 43 - 150 Recovery =					520.42%#	492.14%#
2) SA Decachlorobiphen	25.98	21.48	4716860	4188617	208.028	191.861
Spiked Amount 40.000 Range 24 - 154 Recovery =					520.07%#	479.65%#
Target Compounds						
3) L1 Aroclor-1016{1}	8.05	6.52	1239826	1774237	3302.343	3827.861
4) L1 Aroclor-1016{2}	9.38	7.61	2557703	3309234	3834.462	3798.385
5) L1 Aroclor-1016{3}	10.58	8.87	5151744	7014465	4092.604	3862.891
6) L1 Aroclor-1016{4}	11.03	9.25	1907141	3297288	4359.422	3987.147
7) L1 Aroclor-1016{5}	12.57	10.58	2706351	3214423	4239.707	3855.144
Sum Aroclor-1016			13562765	18609646	NoCal	NoCal
Average Aroclor-1016					3965.708	3866.286
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
33) L7 Aroclor-1260{1}	16.20	14.02	3931249	4269803	4152.446	3910.592
34) L7 Aroclor-1260{2}	16.57	14.65	5014534	5666416	4398.945	3921.574
34) L7 Aroclor-1260{3}	18.99	15.64	3724494	7697313	4634.348	4115.673
35) L7 Aroclor-1260{4}	19.53	17.47	9344542	9582548	5173.164m	4416.117m
36) L7 Aroclor-1260{5}	20.88	18.48	7472282	7322871	5363.923	4543.174
Sum Aroclor-1260			29487101	34538950	23722.826	20907.131
Average Aroclor-1260					4744.565	4181.426

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

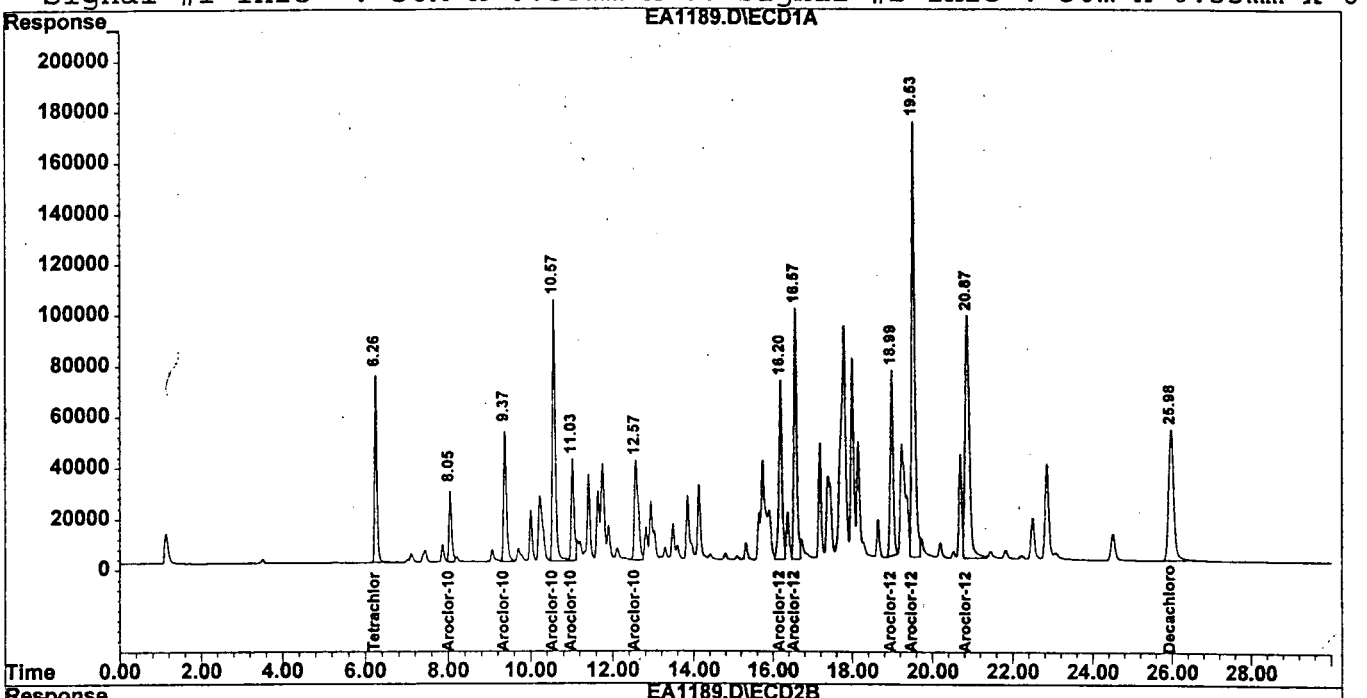
Quantitation Report

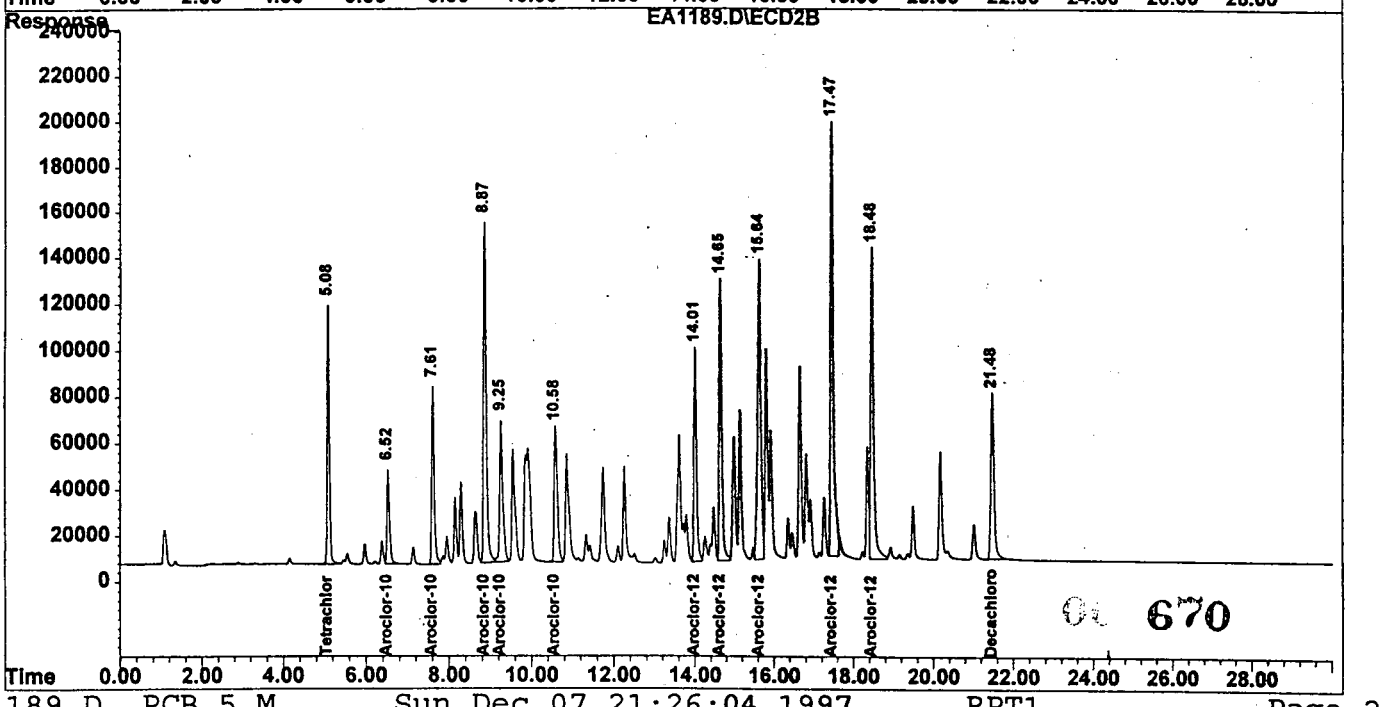
Signal #1 : C:\HPCHEM\1\DATA_E\EA1189.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1189.D\ECD2B.CH
Acq On : 18 Nov 97 9:01
Sample : AR1660 #5
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 10:14 1997 Quant Results File: PCB_5.RES

Vial: 12
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1199.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_E\EA1199.D\ECD2B.CH
Acq On : 19 Nov 97 8:36 Operator:
Sample : AR1221 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	124271	206719	9.033	10.394
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.58%#	25.99%#
2) SA Decachlorobiphen	26.02	21.49	228826	226301	9.835	10.414
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.59%	26.04%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221{1}	5.29	5.96	14959	31041	119.945	150.306 #
9) L2 Aroclor-1221{2}	7.42	6.38	9716	18962	100.319m	68.788 #
10) L2 Aroclor-1221{3}	7.89	6.53	13995	74513	101.625	431.168 #
11) L2 Aroclor-1221{4}	8.08	8.87	44223	14012	108.420	21.943m#
Sum Aroclor-1221			82893	138529	430.307	672.204
Average Aroclor-1221					107.577	168.051
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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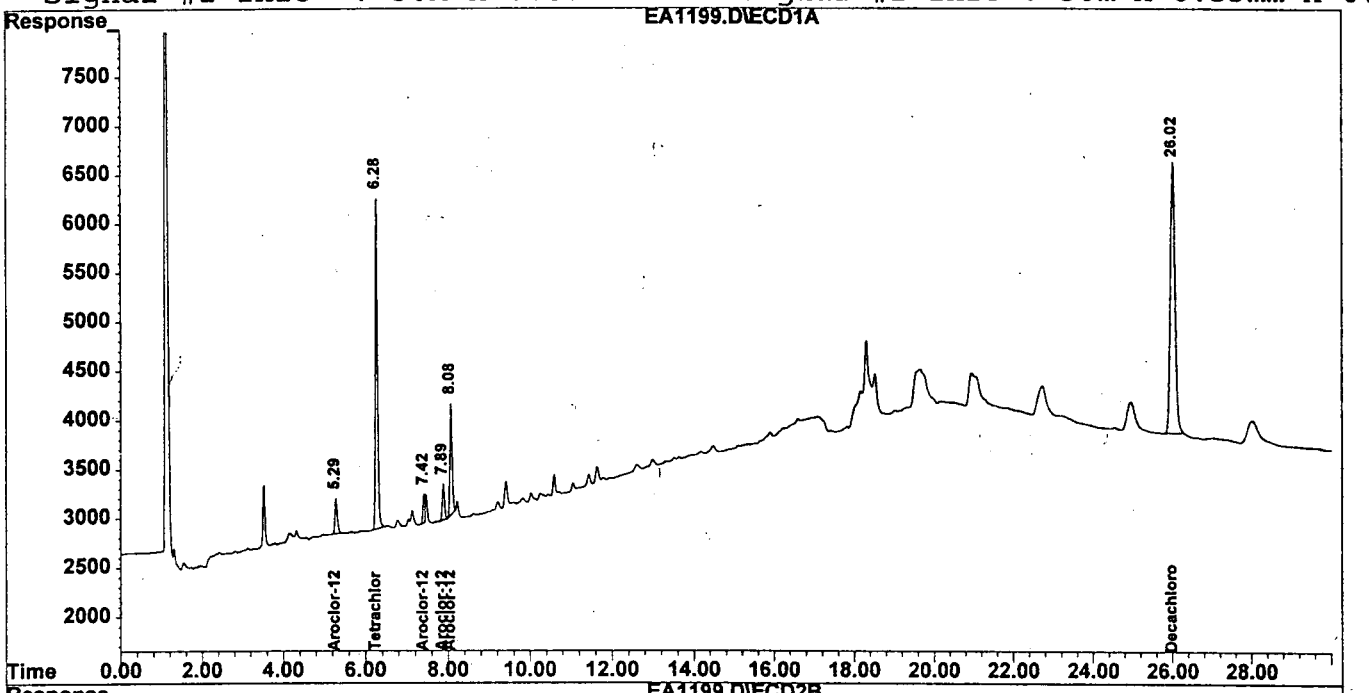
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

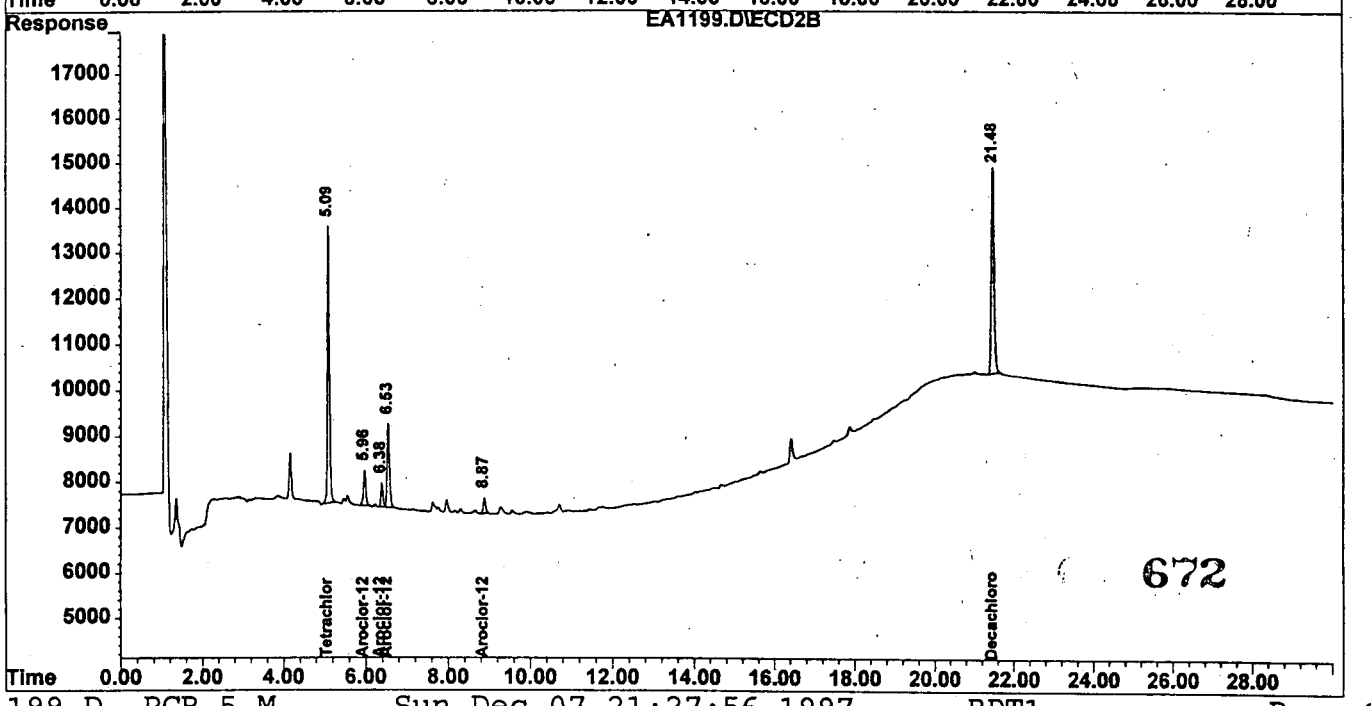
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1199.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_E\EA1199.D\ECD2B.CH
Acq On : 19 Nov 97 8:36 Operator:
Sample : AR1221 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1184.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1184.D\ECD2B.CH
Acq On : 17 Nov 97 16:49 Operator:
Sample : AR1221 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:01 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	366848	540032	26.665	27.153
Spiked Amount 40.000 Range 43 - 150 Recovery =					66.66%	67.88%
) SA Decachlorobiphen	25.96	21.47	610975	573138	26.259	26.376
Spiked Amount 40.000 Range 24 - 154 Recovery =					65.65%	65.94%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
) L2 Aroclor-1221{1}	5.26	5.96	58756	117435	471.128	568.633
9) L2 Aroclor-1221{2}	7.39	6.37	42002	72715	433.676	263.777 #
10) L2 Aroclor-1221{3}	7.86	6.52	62496	276391	453.802	1599.317 #
1 L2 Aroclor-1221{4}	8.05	8.87	187701	55646	460.175	87.143 #
Sum Aroclor-1221			350955	522186	1818.780	2518.870
Average Aroclor-1221					454.695	629.718
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

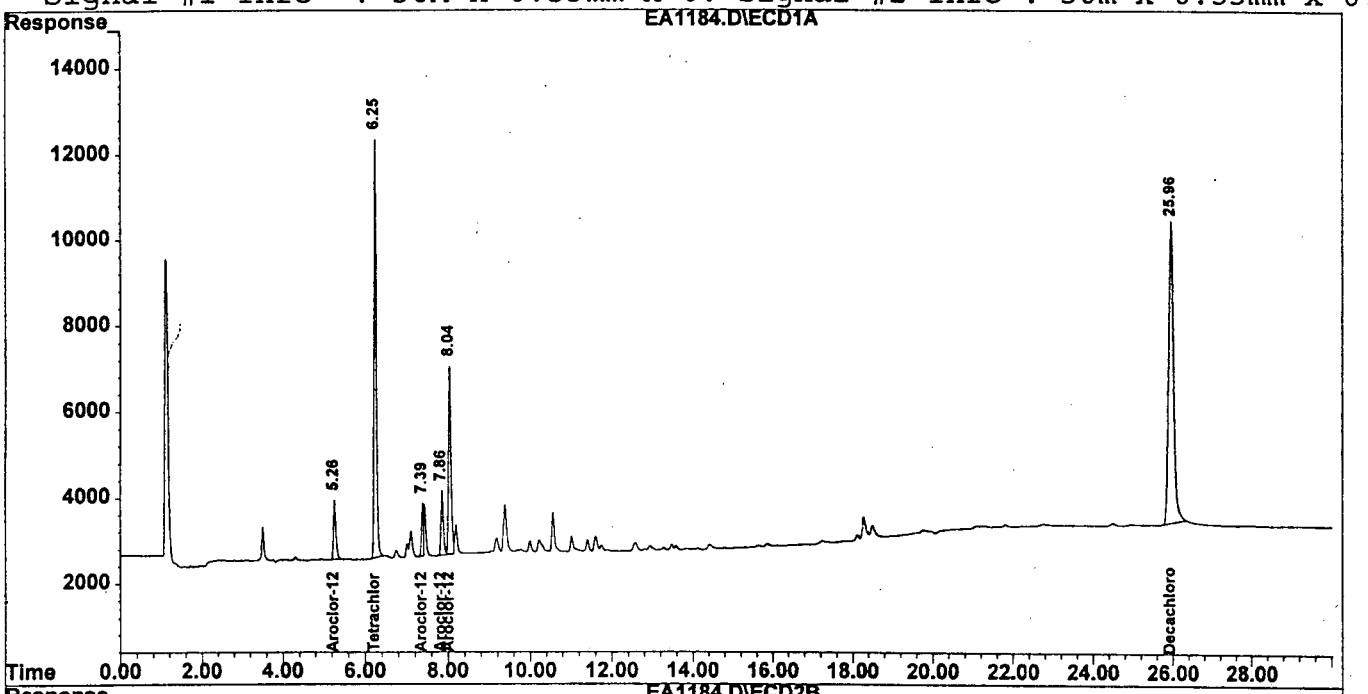
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

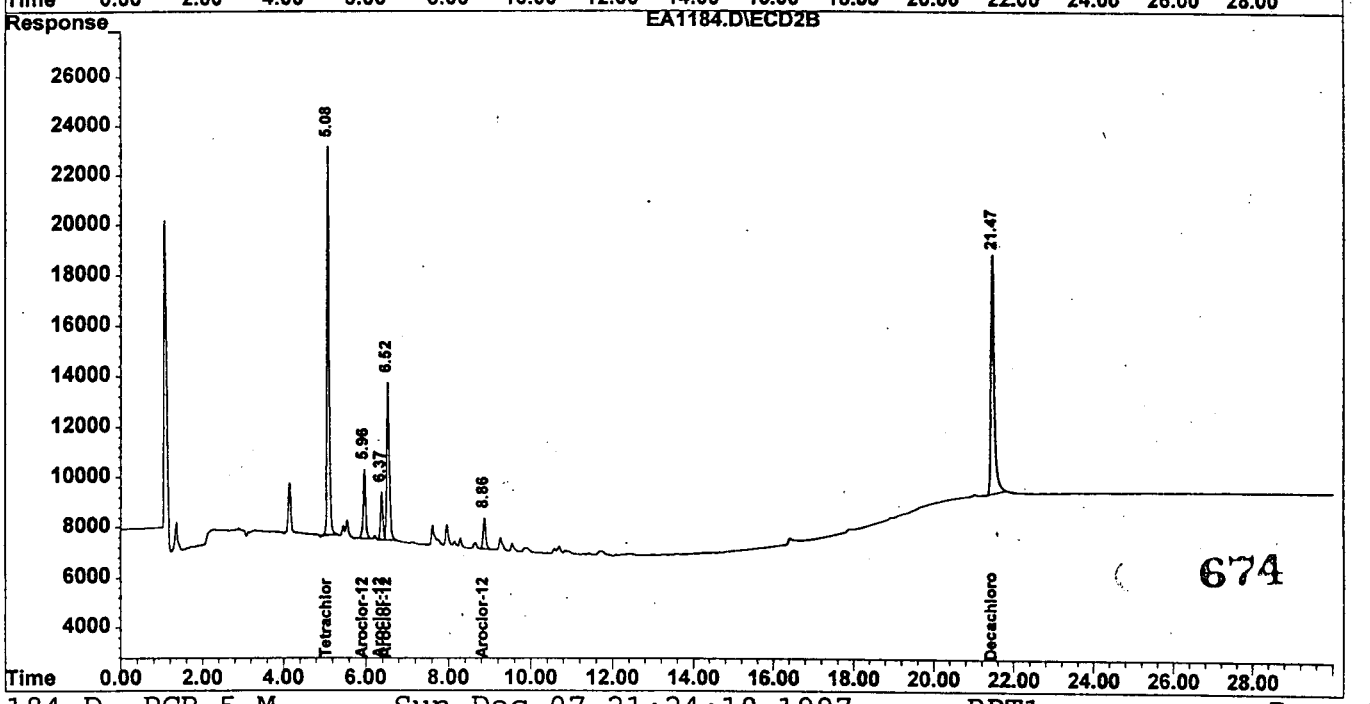
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1184.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1184.D\ECD2B.CH
Acq On : 17 Nov 97 16:49 Operator:
Sample : AR1221 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:01 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1185.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1185.D\ECD2B.CH
Acq On : 17 Nov 97 17:23 Operator:
Sample : AR1221 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:11 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	716982	1005858	51.384	50.343
Spiked Amount 40.000 Range 43 - 150 Recovery =					128.46%	125.86%
) SA Decachlorobiphen	25.96	21.47	1172536	1094730	50.131	50.750
Spiked Amount 40.000 Range 24 - 154 Recovery =					125.33%	126.88%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
) L2 Aroclor-1221{1}	5.26	5.95f	134801	280622	1001.417	1203.806m
9) L2 Aroclor-1221{2}	7.39	6.37f	99896	183262	1014.014m	621.057m#
10) L2 Aroclor-1221{3}	7.86	6.52f	148883	673164	1024.007	3872.299m#
1) L2 Aroclor-1221{4}	8.04	8.86f	432938	148386	1022.548	229.798m#
Sum Aroclor-1221			816518	1285434	4061.986	5926.960
Average Aroclor-1221					1015.497	1481.740
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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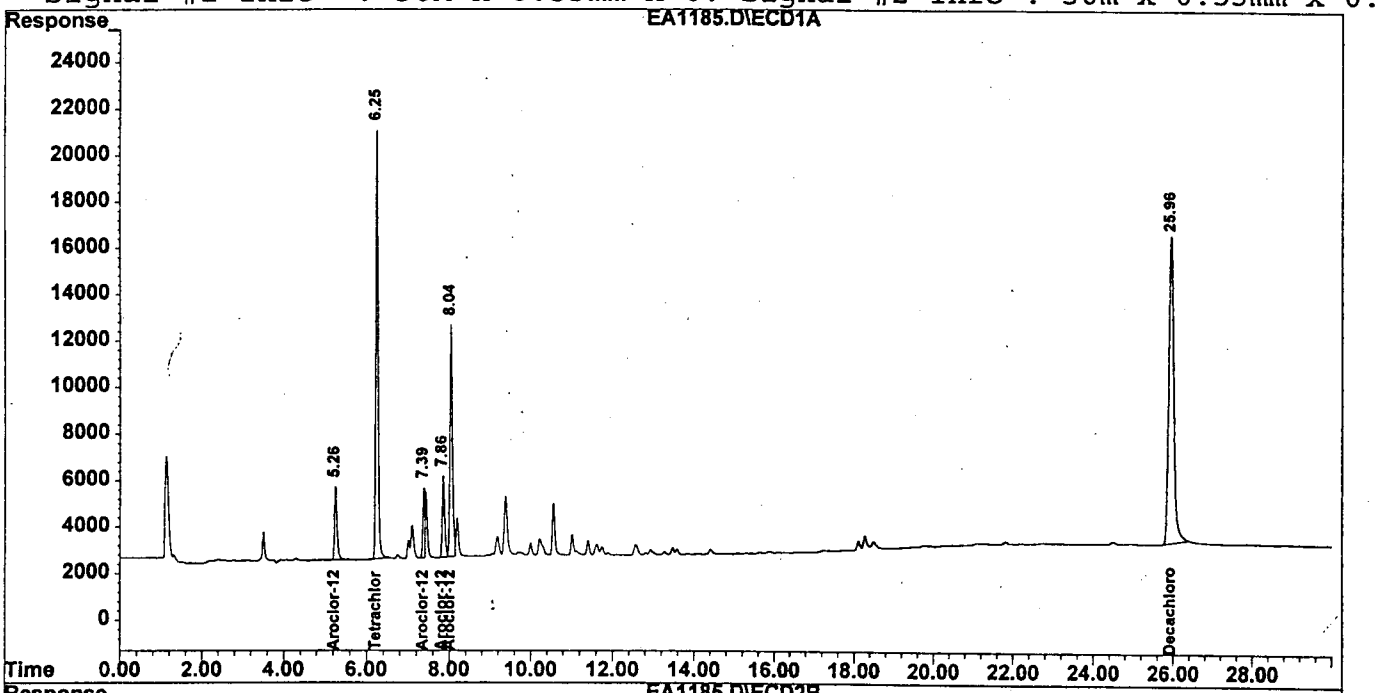
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

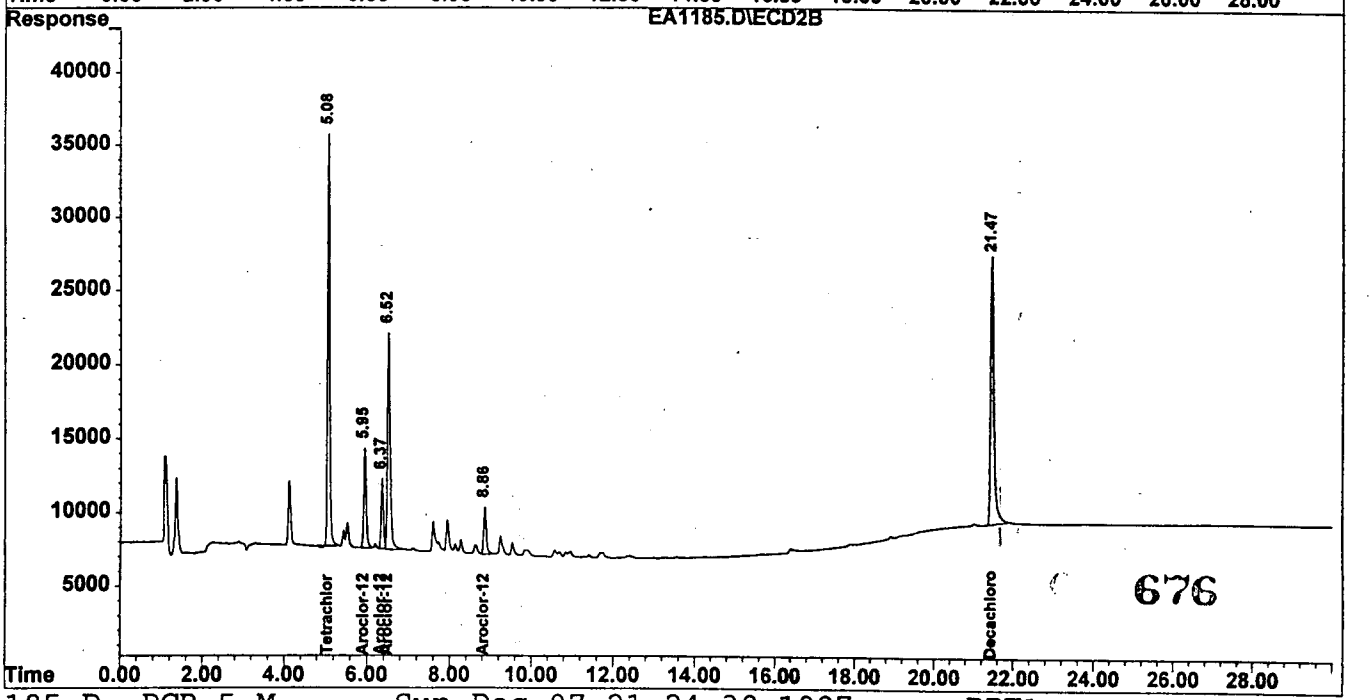
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1185.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1185.D\ECD2B.CH
Acq On : 17 Nov 97 17:23 Operator:
Sample : AR1221 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:11 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1186.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1186.D\ECD2B.CH
Acq On : 17 Nov 97 17:57 Operator:
Sample : AR1221 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:03 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	1402601	1930830	101.950	97.084
Spiked Amount 40.000 Range 43 - 150 Recovery =					254.88%#	242.71%#
9) SA Decachlorobiphen	25.96	21.47	2309262	2098169	99.251	96.557
Spiked Amount 40.000 Range 24 - 154 Recovery =					248.13%#	241.39%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221{1}	5.26	5.95	233218	508955	1870.021	2464.421 #
9) L2 Aroclor-1221{2}	7.39	6.37	182094	327150	1880.137m	1186.759 #
10) L2 Aroclor-1221{3}	7.86	6.52	260011	1166336	1888.028	6748.933 #
11) L2 Aroclor-1221{4}	8.04	8.86	748688	263215	1835.513	412.195 #
Sum Aroclor-1221			1424011	2265656	7473.699	10812.308
Average Aroclor-1221					1868.425	2703.077
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

677

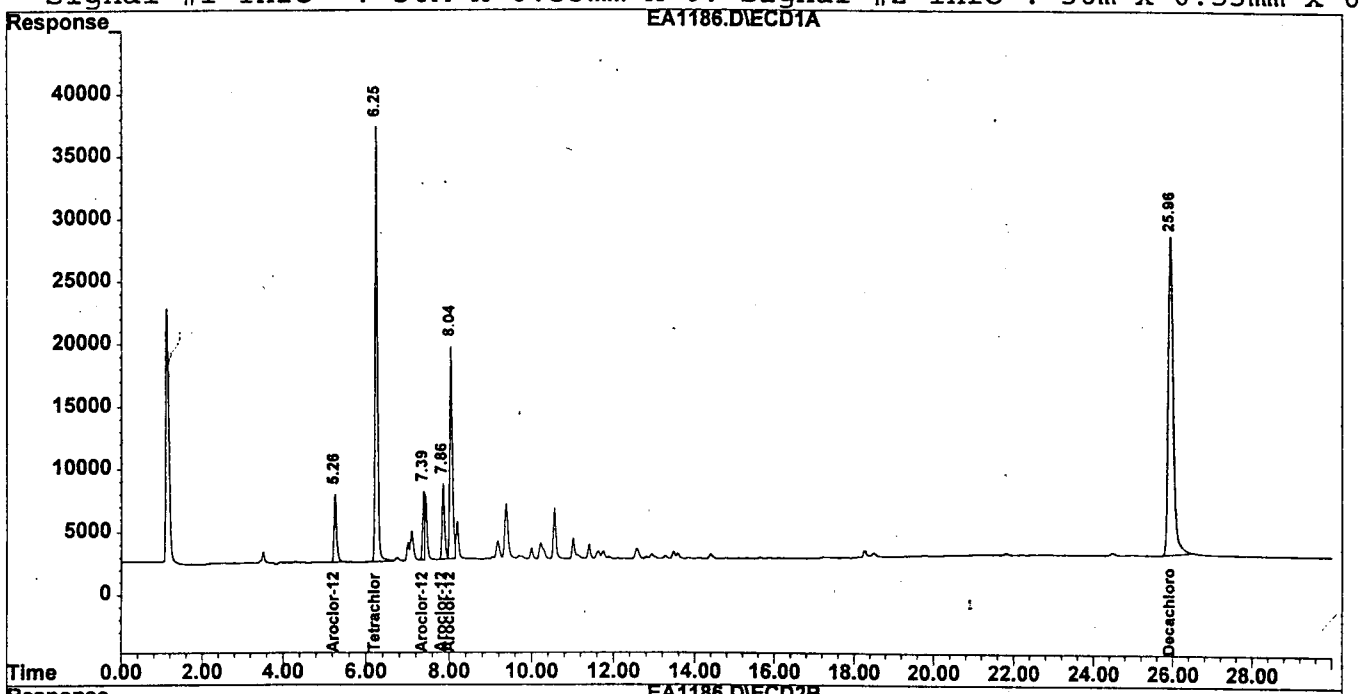
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

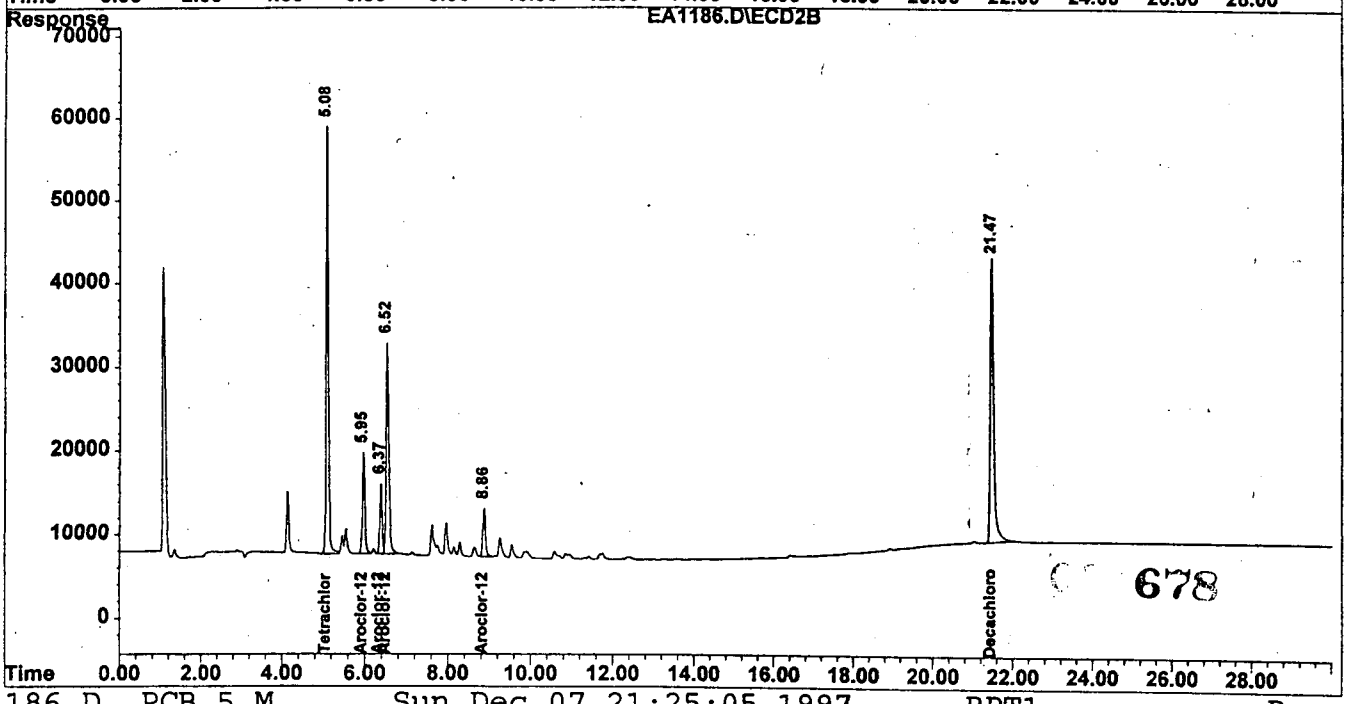
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1186.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1186.D\ECD2B.CH
Acq On : 17 Nov 97 17:57 Operator:
Sample : AR1221 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:03 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1192.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1192.D\ECD2B.CH
Acq On : 18 Nov 97 10:45 Operator:
Sample : AR1221 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:05 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.08	2664427	3548590	193.667	178.426
Spiked Amount 40.000 Range 43 - 150 Recovery =					484.17%#	446.06%#
2) SA Decachlorobiphen	25.97	21.47	4494013	4043380	193.150	186.076
Spiked Amount 40.000 Range 24 - 154 Recovery =					482.88%#	465.19%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
8) L2 Aroclor-1221{1}	5.27	5.96	502152	1131482	4026.422	5478.769 #
9) L2 Aroclor-1221{2}	7.40	6.37	406716	737389	4199.380m	2674.933 #
10) L2 Aroclor-1221{3}	7.86	6.52	567484	2549510	4120.699	14752.583 #
11) L2 Aroclor-1221{4}	8.05	8.87	1603424	637549	3931.015	998.405 #
Sum Aroclor-1221			3079776	5055931	16277.517	23904.691
Average Aroclor-1221					4069.379	5976.173
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

679

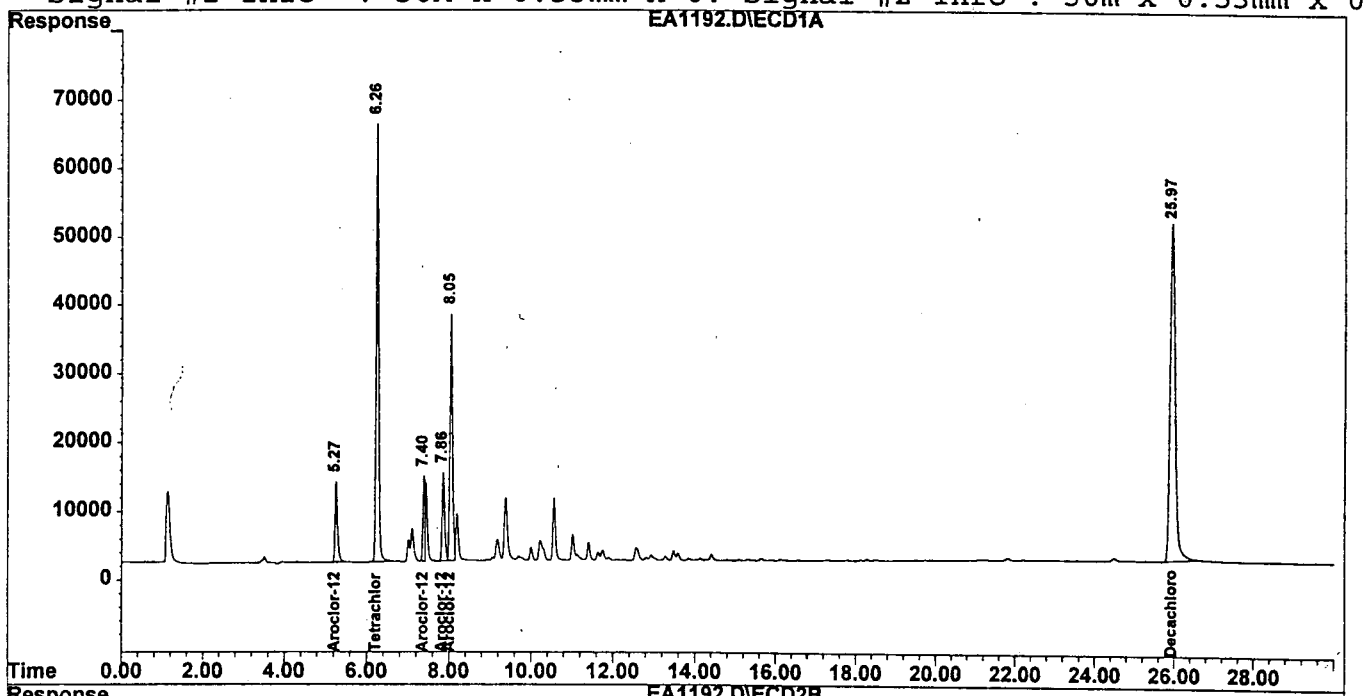
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

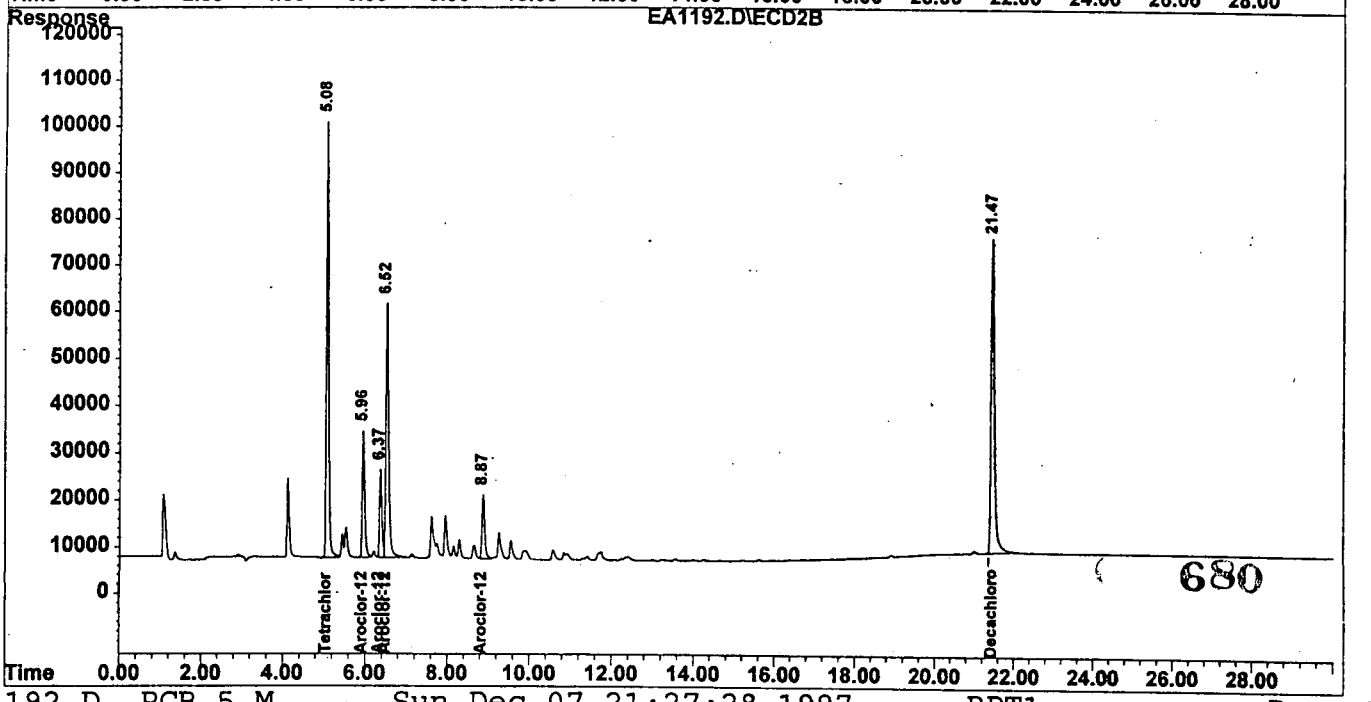
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1192.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1192.D\ECD2B.CH
Acq On : 18 Nov 97 10:45 Operator:
Sample : AR1221 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:05 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1178.D\ECD1A.CH Vial: 1
Signal #2 : F:\1\DATA_E\EA1178.D\ECD2B.CH
Acq On : 17 Nov 97 13:25 Operator:
Sample : AR1232 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:22 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	127415	222554	9.261	11.190
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.15%#	27.98%#
2) SA Decachlorobiphen	26.02f	21.48	254699	234551	10.947m	10.794
Spiked Amount 40.000 Range 24 - 154 Recovery =					27.37%	26.99%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
11) L3 Aroclor-1232{1}	8.08	6.53	37508	48572	129.430m	117.527
13) L3 Aroclor-1232{2}	9.40	7.62	36189	40553	116.532	110.480
14) L3 Aroclor-1232{3}	10.60	8.87	56774	88671	111.636	117.850
1[illegible]) L3 Aroclor-1232{4}	12.60	9.26	37334	41191	118.371	122.097
1[illegible]) L3 Aroclor-1232{5}	13.52	10.59	25073	50481	110.531	132.423
Sum Aroclor-1232			192878	269468	586.500	600.377
Average Aroclor-1232					117.300	120.075
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

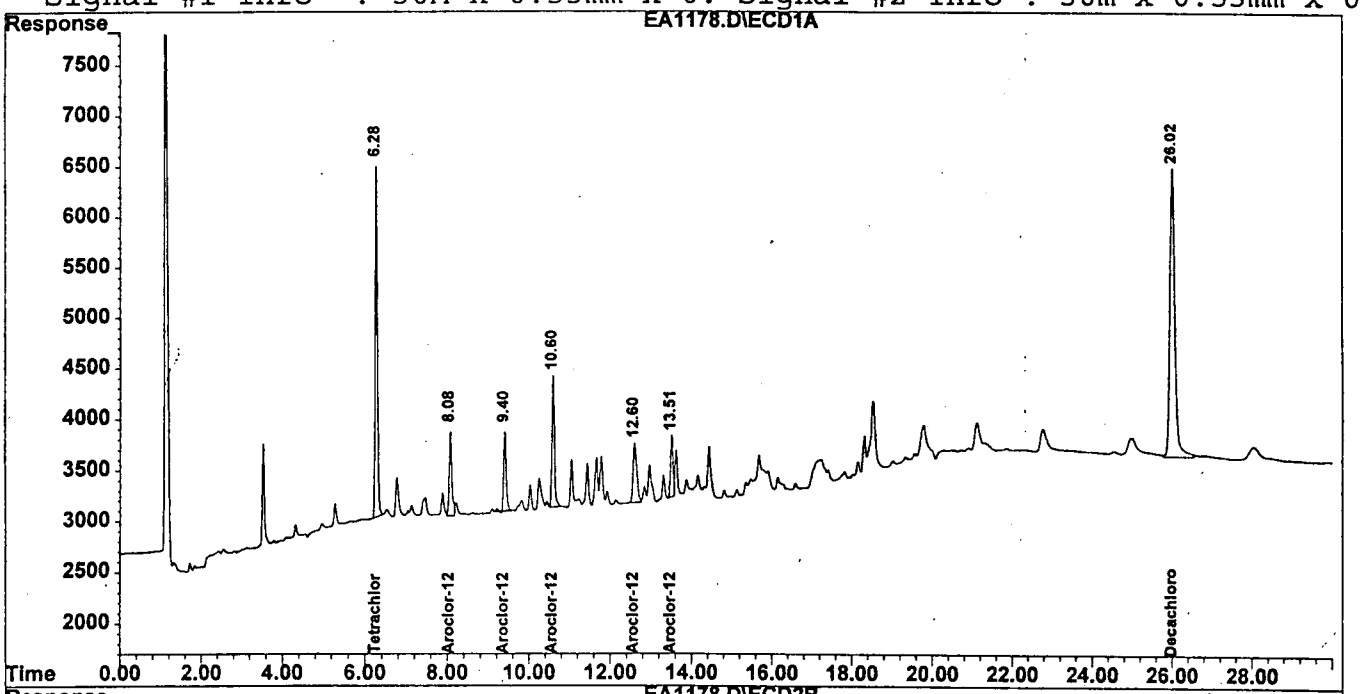
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

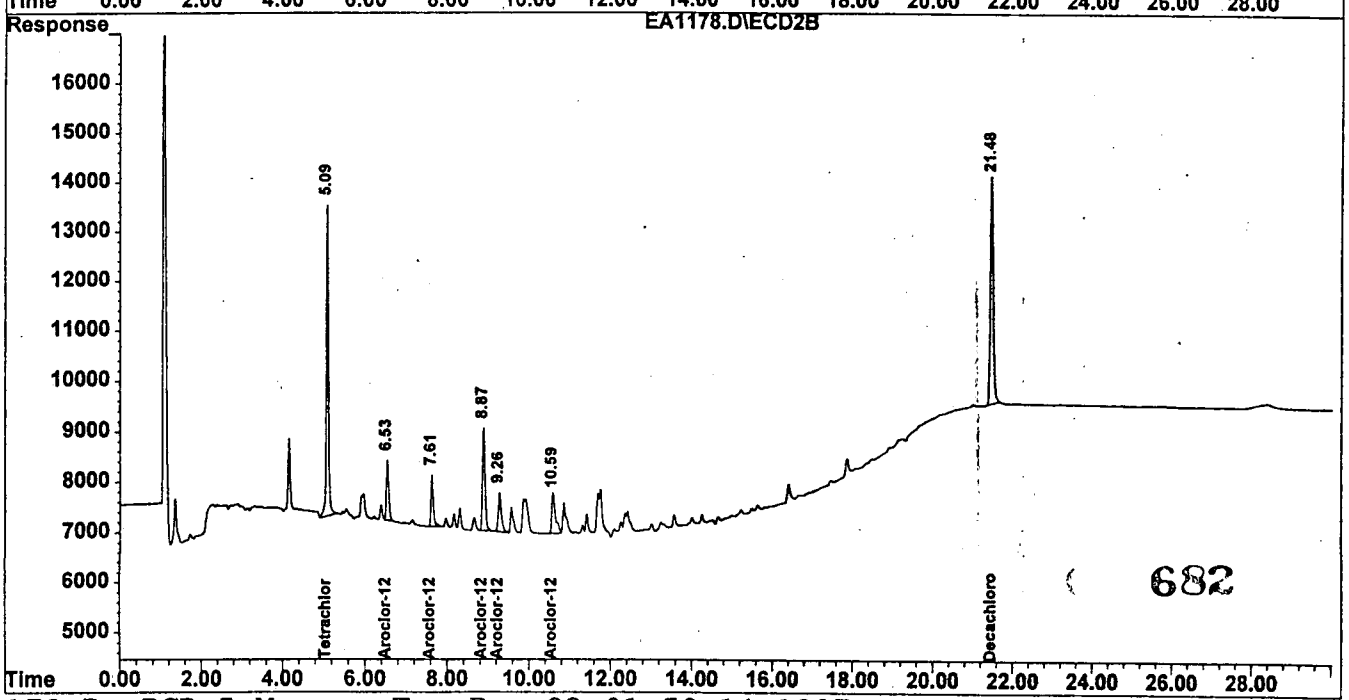
Quantitation Report

Signal #1 : F:\1\DATA_E\EA1178.D\ECD1A.CH Vial: 1
Signal #2 : F:\1\DATA_E\EA1178.D\ECD2B.CH
Acq On : 17 Nov 97 13:25 Operator:
Sample : AR1232 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:22 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1179.D\ECD1A.CH Vial: 2
Signal #2 : F:\1\DATA_E\EA1179.D\ECD2B.CH
Acq On : 17 Nov 97 13:59 Operator:
Sample : AR1232 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:42 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	358197	540316	26.036	27.168
Spiked Amount 40.000 Range 43 - 150 Recovery =					65.09%	67.92%
2) SA Decachlorobiphen	25.98f	21.48	634579	573773	27.274m	26.405
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.19%	66.01%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{1}	8.05	6.53	121736	170504	420.078	412.557
13) L3 Aroclor-1232{2}	9.38	7.61	132672	151159	427.217	411.804
14) L3 Aroclor-1232{3}	10.57	8.87	209408	310026	411.761	412.049
15) L3 Aroclor-1232{4}	12.57	9.26	127268	127855	403.511	378.985
16) L3 Aroclor-1232{5}	13.49	10.58	90767	148293	400.134	389.003
Sum Aroclor-1232			681850	907837	2062.702	2004.400
Average Aroclor-1232					412.540	400.880
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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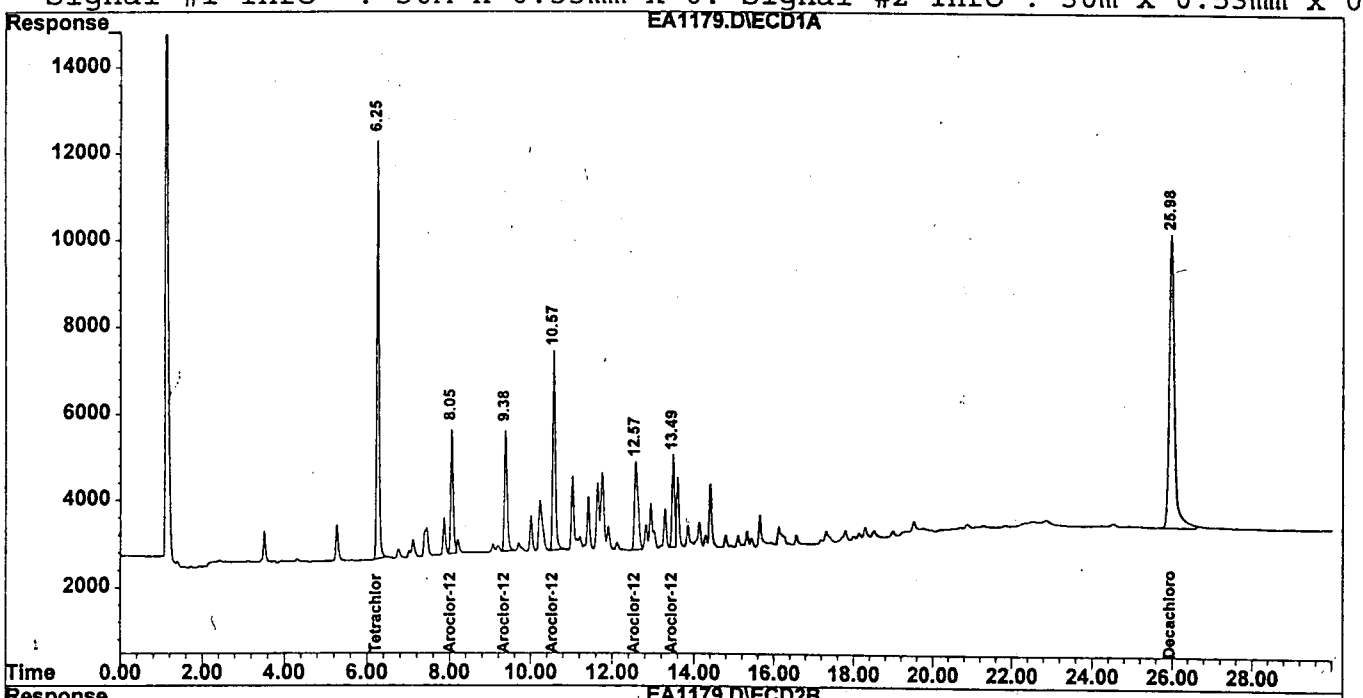
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

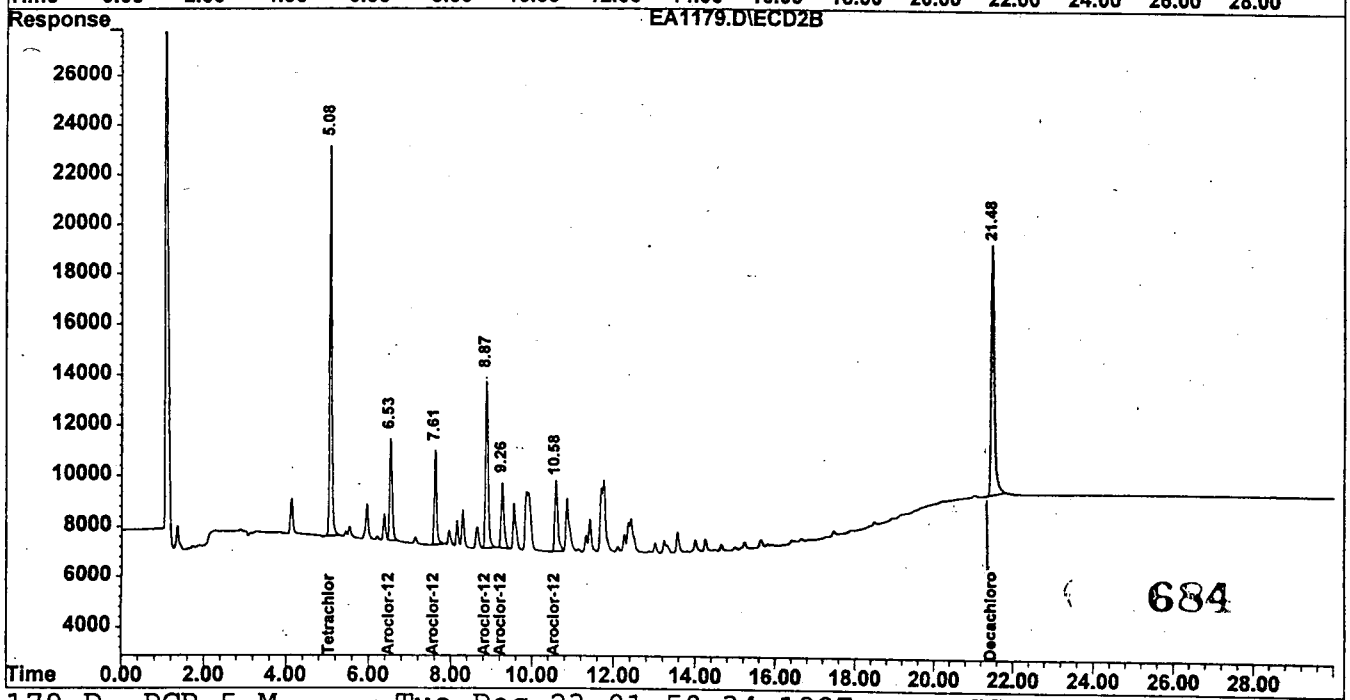
Quantitation Report

Signal #1 : F:\1\DATA_E\EA1179.D\ECD1A.CH Vial: 2
Signal #2 : F:\1\DATA_E\EA1179.D\ECD2B.CH
Acq On : 17 Nov 97 13:59 Operator:
Sample : AR1232 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:42 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1180.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_E\EA1180.D\ECD2B.CH
Acq On : 17 Nov 97 14:33 Operator:
Sample : AR1232 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:43 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.25	5.08	692292	1004587	50.320	50.511
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.80%	126.28%
2) SA Decachlorobiphen	25.97f	21.48	1167792	1072098	50.191m	49.338
Spiked Amount 40.000 Range 24 - 154 Recovery =					125.48%	123.35%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{1}	8.05	6.53	289923	424573	1000.445	1027.312
1) L3 Aroclor-1232{2}	9.37	7.61	322656	388452	1038.983	1058.264
1) L3 Aroclor-1232{3}	10.57	8.87	521479	776645	1025.390	1032.222
15) L3 Aroclor-1232{4}	12.57	9.25	320239	350192	1015.343	1038.033
16) L3 Aroclor-1232{5}	13.48	10.58	236076	372539	1040.716	977.249
Sum Aroclor-1232			1690373	2312402	5120.877	5133.081
Average Aroclor-1232					1024.175	1026.616
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

685

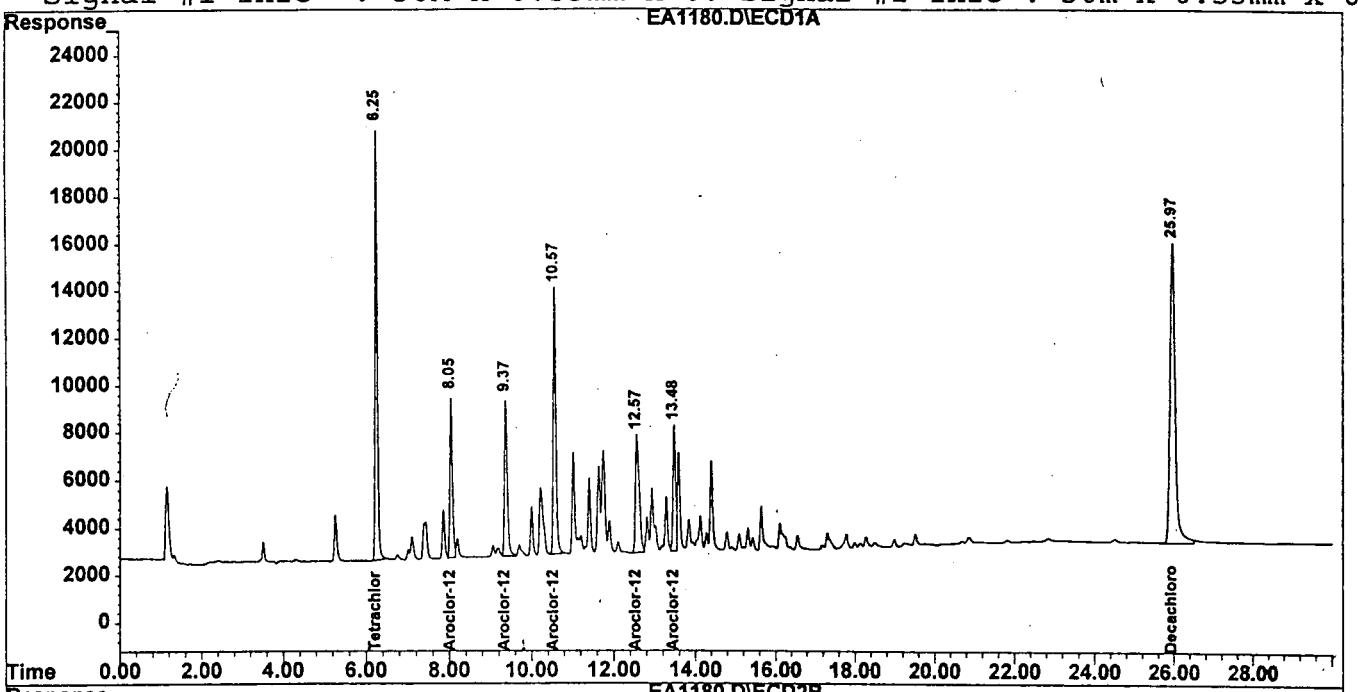
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

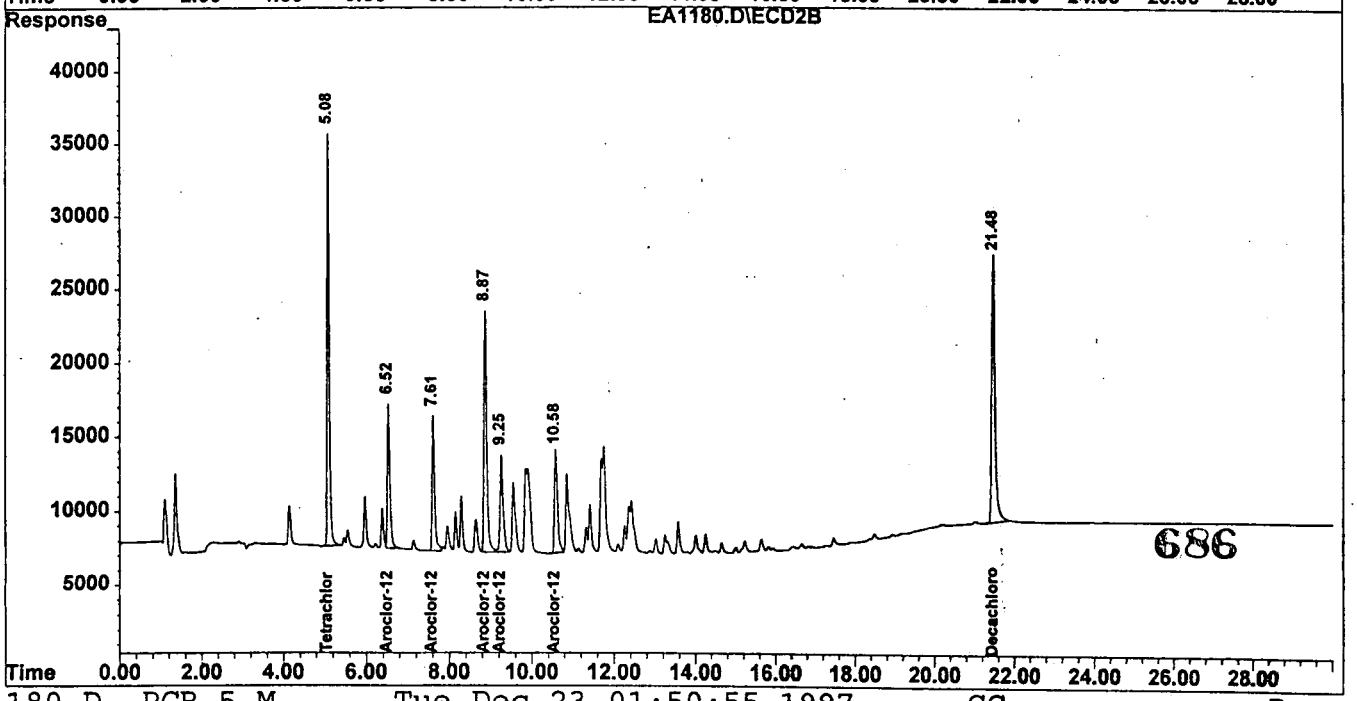
Quantitation Report

Signal #1 : F:\1\DATA_E\EA1180.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_E\EA1180.D\ECD2B.CH
Acq On : 17 Nov 97 14:33 Operator:
Sample : AR1232 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:43 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1181.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_E\EA1181.D\ECD2B.CH
Acq On : 17 Nov 97 15:07 Operator:
Sample : AR1232 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:45 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	1461095	2024304	106.202	101.784
Spiked Amount 40.000 Range 43 - 150 Recovery =					265.51%#	254.46%#
2) SA Decachlorobiphen	25.96f	21.47	2380540	2192283	102.314m	100.889
Spiked Amount 40.000 Range 24 - 154 Recovery =					255.79%#	252.22%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
12) L3 Aroclor-1232{1}	8.05	6.52	528353	784437	1823.204	1898.050
13) L3 Aroclor-1232{2}	9.37	7.61	581748	708582	1873.285	1930.397
14) L3 Aroclor-1232{3}	10.57	8.86	977330	1434437	1921.736	1906.479
15) L3 Aroclor-1232{4}	12.57	9.25	596752	661069	1892.046	1959.529
16) L3 Aroclor-1232{5}	13.48	10.58	444182	704736	1958.130	1848.670
Sum Aroclor-1232			3128366	4293260	9468.401	9543.125
Average Aroclor-1232					1893.680	1908.625
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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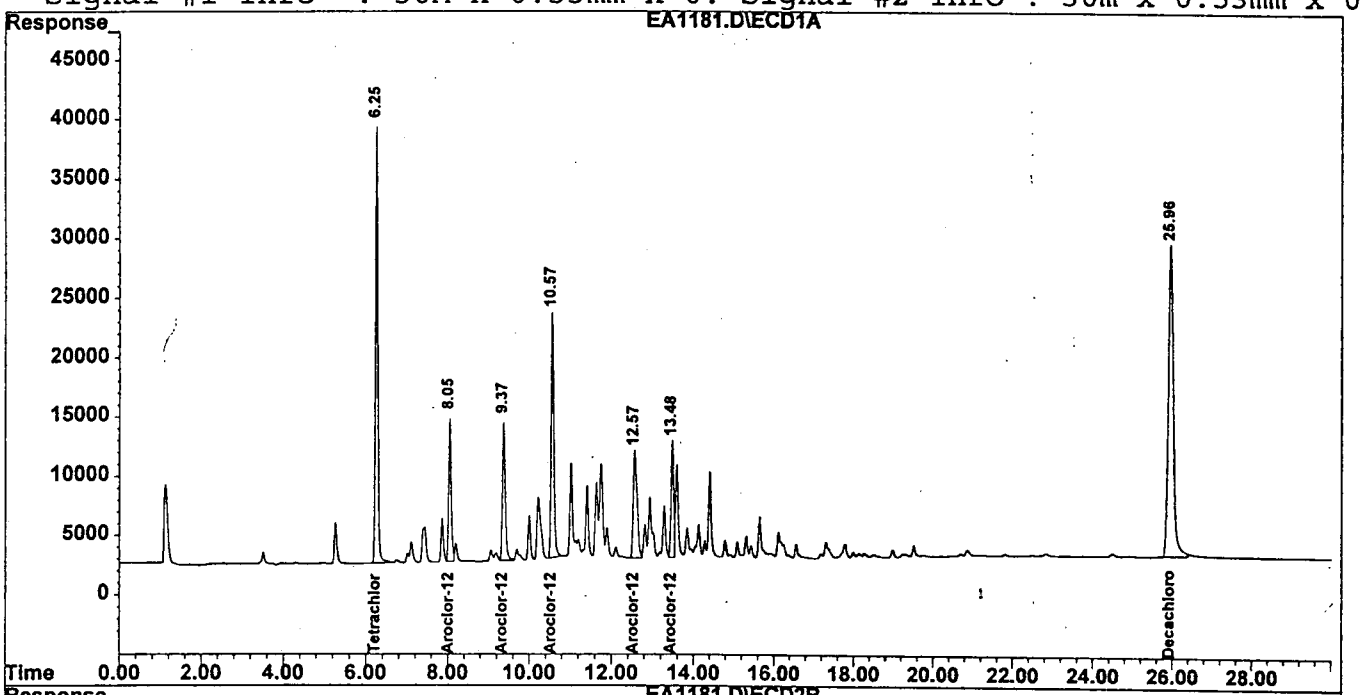
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

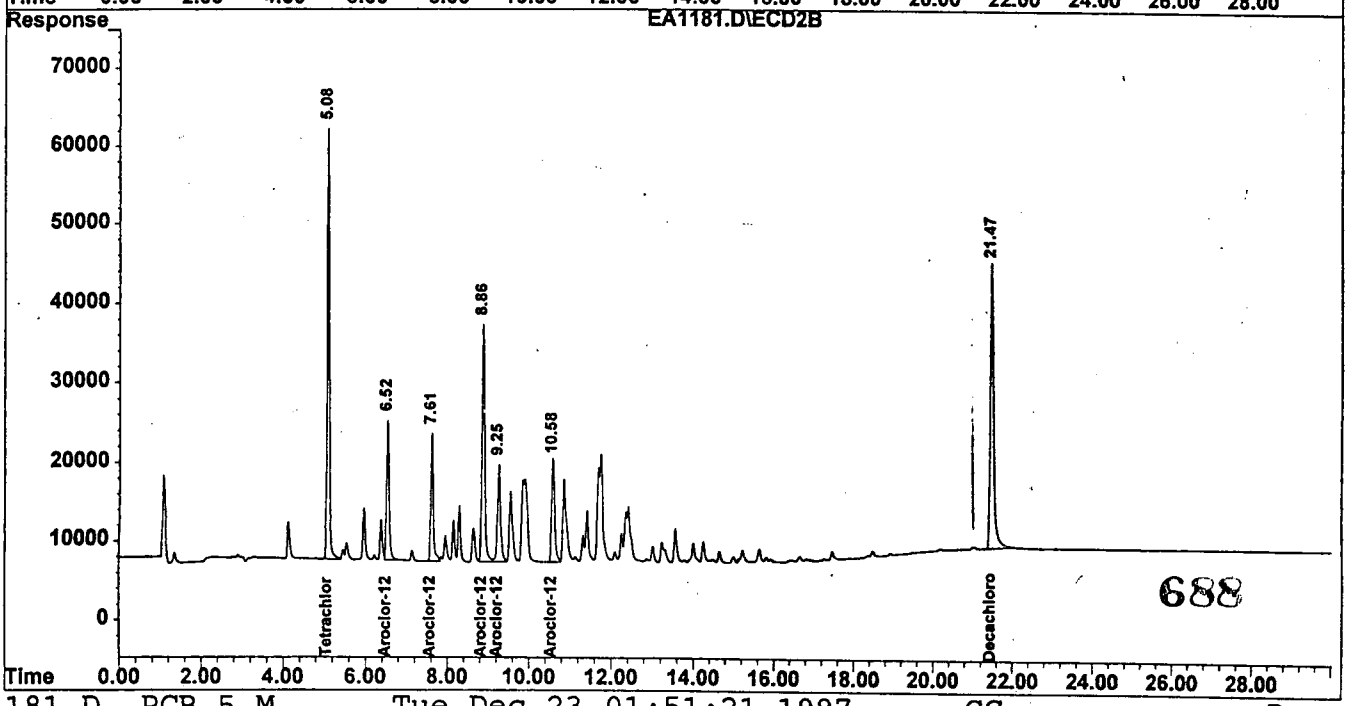
Quantitation Report

Signal #1 : F:\1\DATA_E\EA1181.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_E\EA1181.D\ECD2B.CH
Acq On : 17 Nov 97 15:07 Operator:
Sample : AR1232 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:45 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1182.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_E\EA1182.D\ECD2B.CH
Acq On : 17 Nov 97 15:41 Operator:
Sample : AR1232 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:48 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	2752852	3676487	200.095	184.857
Spiked Amount 40.000 Range 43 - 150 Recovery =					500.24%#	462.14%#
1) SA Decachlorobiphen	25.96f	21.47	4813573	4027194	206.884m	185.331
Spiked Amount 40.000 Range 24 - 154 Recovery =					517.21%#	463.33%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
1[illegible]) L3 Aroclor-1232{1}	8.04	6.52	1119572	1688271	3863.344	4084.999
1[illegible]) L3 Aroclor-1232{2}	9.36	7.60	1217041	1545759	3918.989	4211.124
14) L3 Aroclor-1232{3}	10.56	8.86	2157605	3077002	4242.524	4089.577
15) L3 Aroclor-1232{4}	12.56	9.25	1303820	1464207	4133.859	4340.177
1[illegible]) L3 Aroclor-1232{5}	13.48	10.57	980377	1528041	4321.887	4008.375
Sum Aroclor-1232			6778417	9303281	20480.603	20734.253
Average Aroclor-1232					4096.121	4146.851
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum 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.
EA1182.D PCB 5.M Tue Dec 23 01:51:40 1997 GC Page 1

Quantitation Report

Signal #1 : F:\1\DATA_E\EA1182.D\ECD1A.CH
Signal #2 : F:\1\DATA_E\EA1182.D\ECD2B.CH
Acq On : 17 Nov 97 15:41
Sample : AR1232 #5
Misc :

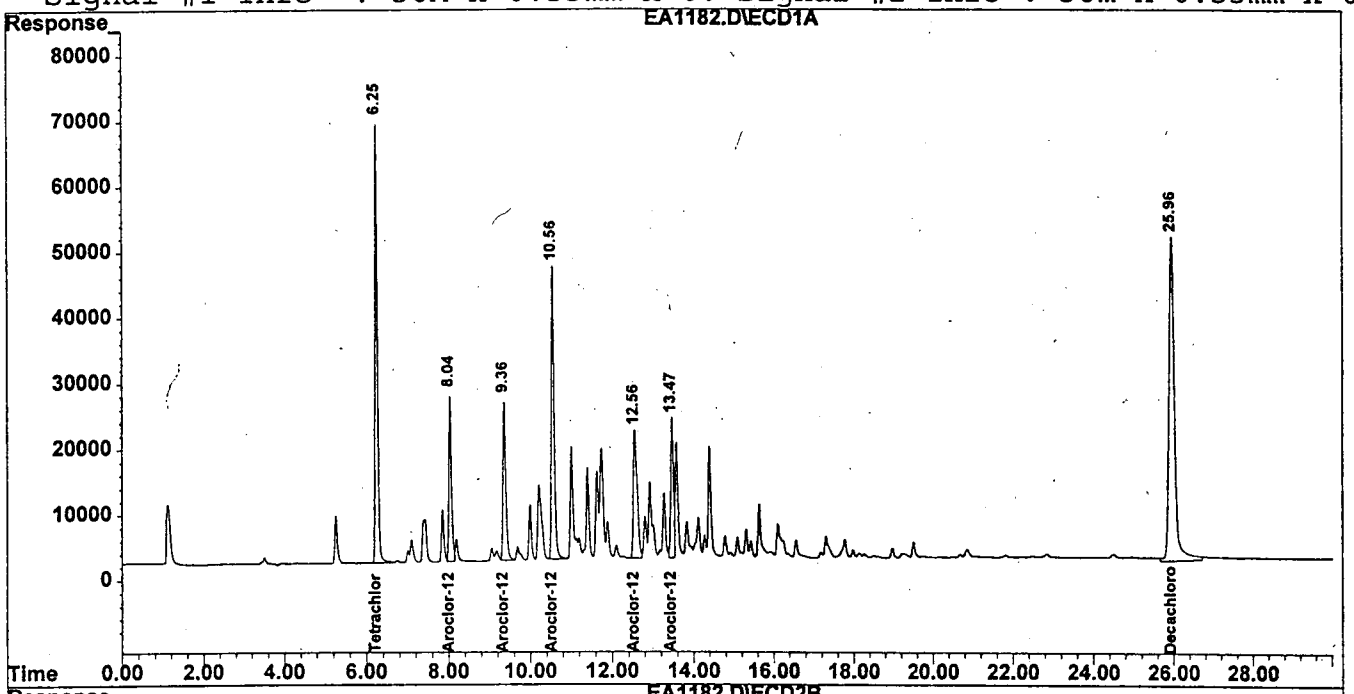
Vial: 5

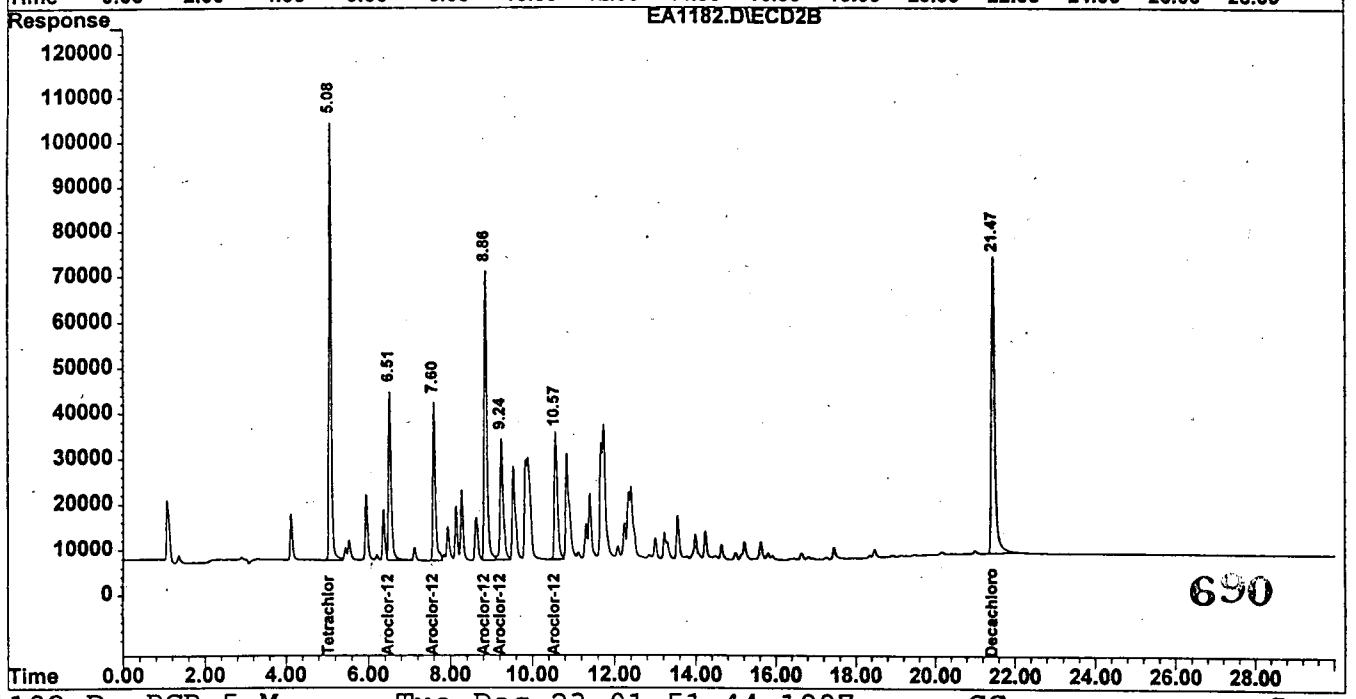
Operator:
Inst : GC_5890_5
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 23 1:48 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1173.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1173.D\ECD2B.CH
Acq On : 17 Nov 97 7:54 Operator:
Sample : AR1242 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:03 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	132677	206941	9.438	9.929
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.60%#	24.82%#
) SA Decachlorobiphen	25.99	21.49	223272	215751	9.861	10.045
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.65%	25.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
17) L4 Aroclor-1242{1}	8.06	6.53	31703	43084	121.646	118.140
18) L4 Aroclor-1242{2}	9.38	7.62	68796	73249	127.969	112.884
19) L4 Aroclor-1242{3}	10.58	8.88	117245	169647	353.409	121.629 #
20) L4 Aroclor-1242{4}	11.03	9.26	32965	69975	121.341	114.356
21) L4 Aroclor-1242{5}	12.58	10.59	66077	85154	118.572	128.736
Sum Aroclor-1242			316785	441109	842.937	595.745
Average Aroclor-1242					168.587	119.149
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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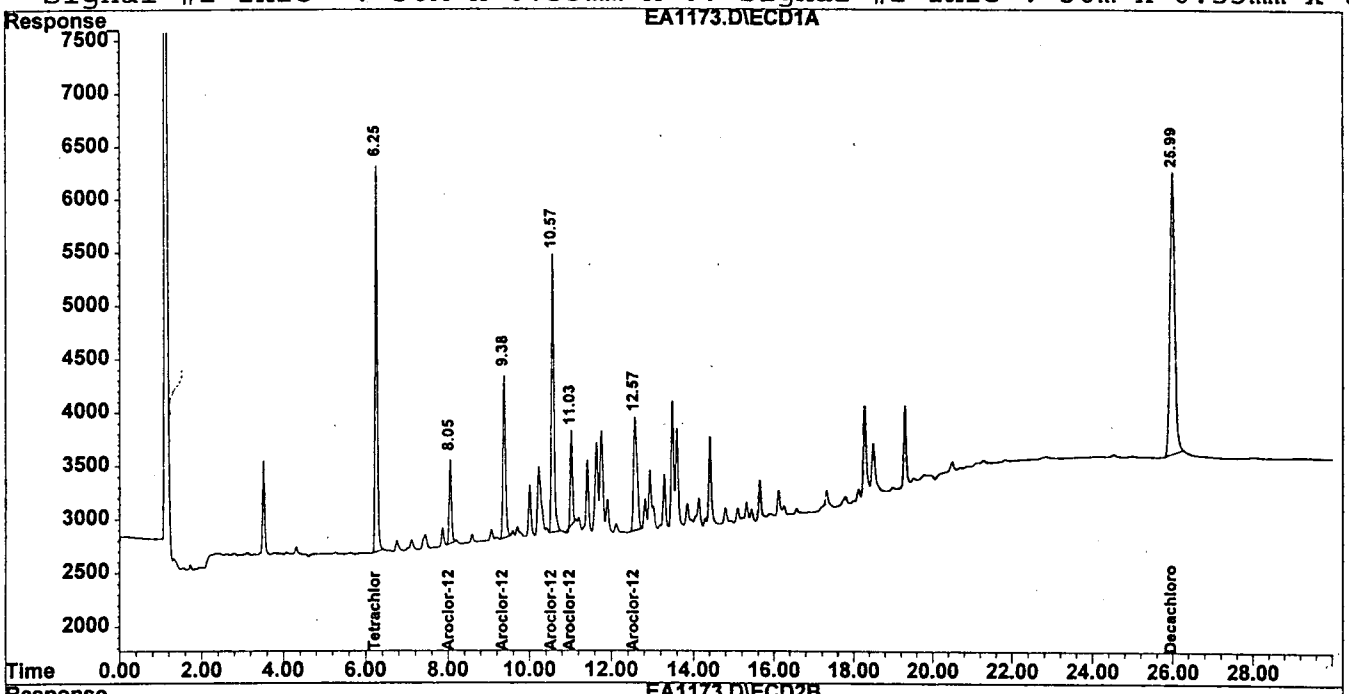
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

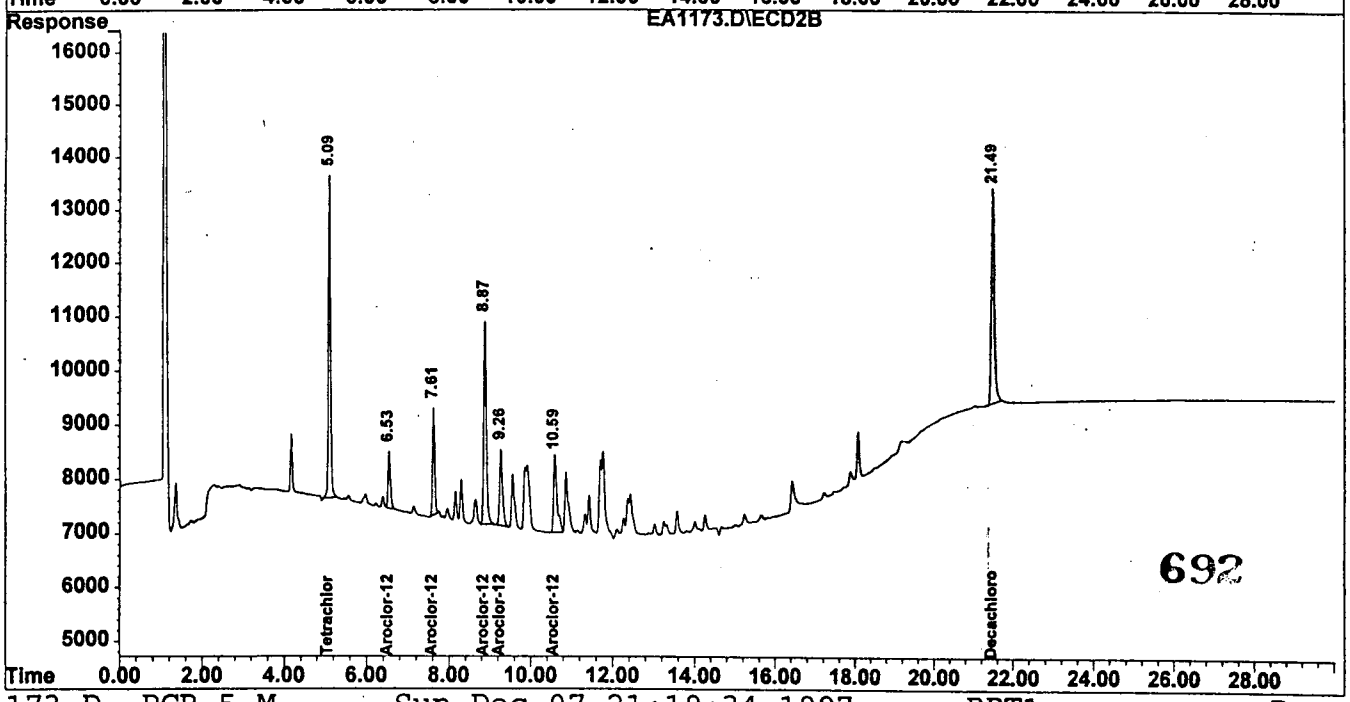
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1173.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1173.D\ECD2B.CH
Acq On : 17 Nov 97 7:54 Operator:
Sample : AR1242 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:03 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1174.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1174.D\ECD2B.CH
Acq On : 17 Nov 97 8:28 Operator:
Sample : AR1242 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:04 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	335698	509966	23.881	24.467
Spiked Amount 40.000 Range 43 - 150 Recovery =					59.70%	61.17%
SA Decachlorobiphen	25.99	21.49	551097	539985	24.339	25.141
Spiked Amount 40.000 Range 24 - 154 Recovery =					60.85%	62.85%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
1[illegible] L4 Aroclor-1242{1}	8.06	6.53	104633	147591	401.478	404.707
1[illegible] L4 Aroclor-1242{2}	9.38	7.62	227290	276366	422.790	425.907
19) L4 Aroclor-1242{3}	10.58	8.87	394880	575336	1190.280	412.491 #
20) L4 Aroclor-1242{4}	11.03	9.26	139011	239499	511.686	391.397
2[illegible] L4 Aroclor-1242{5}	12.58	10.59	228784	262510	410.546	396.865
Sum Aroclor-1242			1094599	1501302	2936.781	2031.366
Average Aroclor-1242					587.356	406.273
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

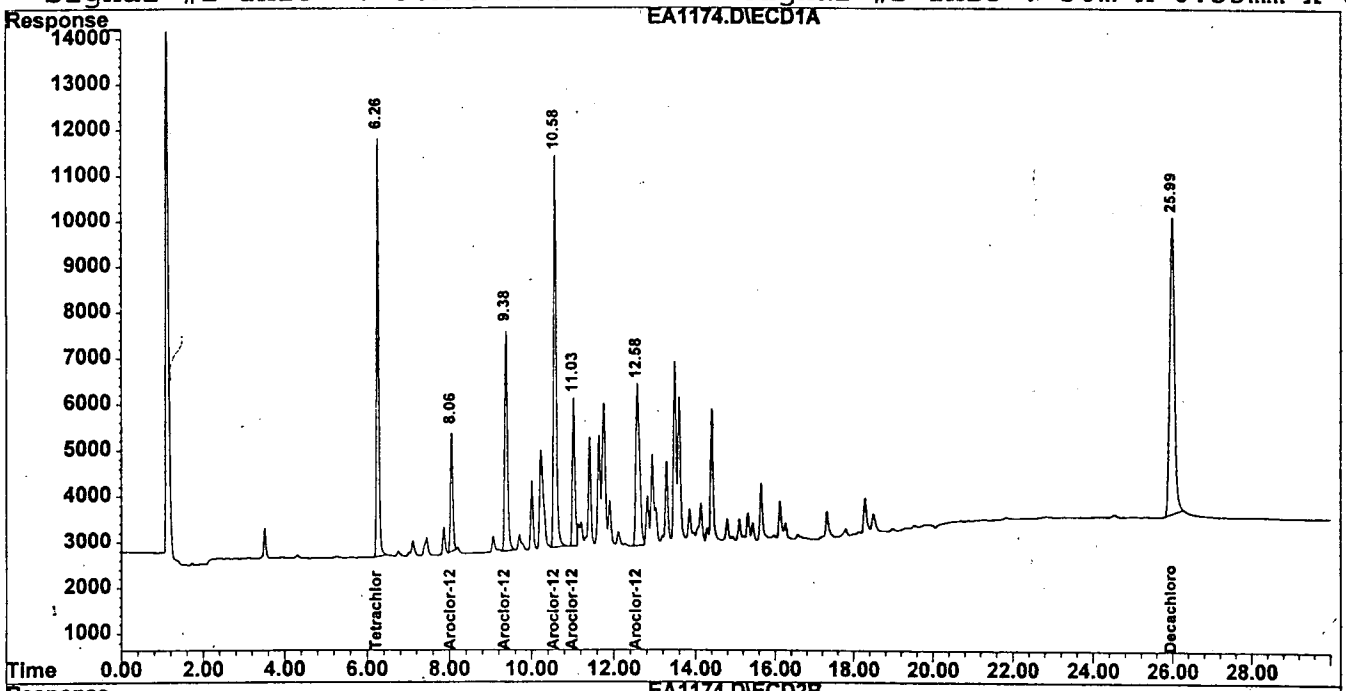
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

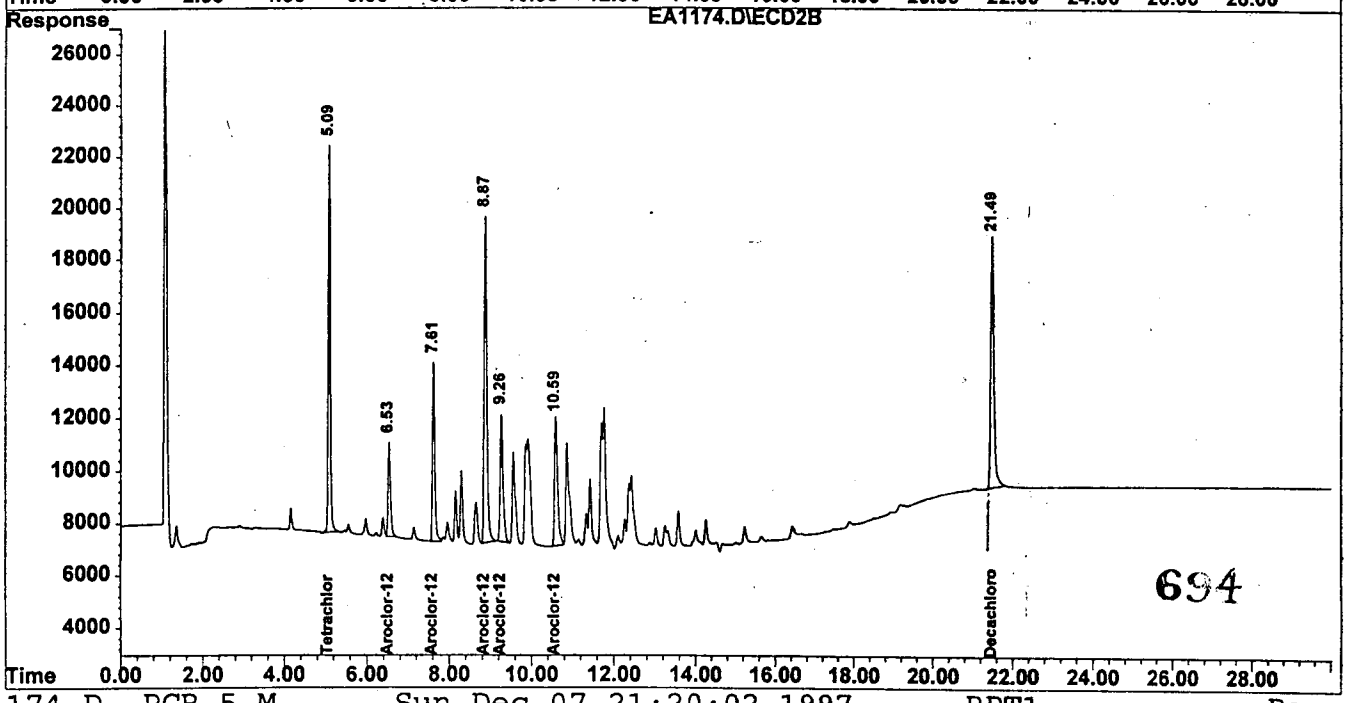
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1174.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1174.D\ECD2B.CH
Acq On : 17 Nov 97 8:28 Operator:
Sample : AR1242 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:04 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1175.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1175.D\ECD2B.CH
Acq On : 17 Nov 97 9:02 Operator:
Sample : AR1242 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	690320	1019592	49.107	48.918
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.77%	122.30%
2) SA Decachlorobiphen	26.00	21.49	1106870	1056625	48.885	49.195
Spiked Amount 40.000 Range 24 - 154 Recovery =					122.21%	122.99%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
17) L4 Aroclor-1242{1}	8.06	6.53	260984	361502	1001.397	991.271
18) L4 Aroclor-1242{2}	9.38	7.61	525862	656893	978.173	1012.335
19) L4 Aroclor-1242{3}	10.58	8.87	947870	1386102	2857.151	993.775 #
20) L4 Aroclor-1242{4}	11.04	9.26	339606	623450	1250.055	1018.863
21) L4 Aroclor-1242{5}	12.58	10.59	548490	639448	984.246	966.721
Sum Aroclor-1242			2622812	3667395	7071.022	4982.964
Average Aroclor-1242					1414.204	996.593
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

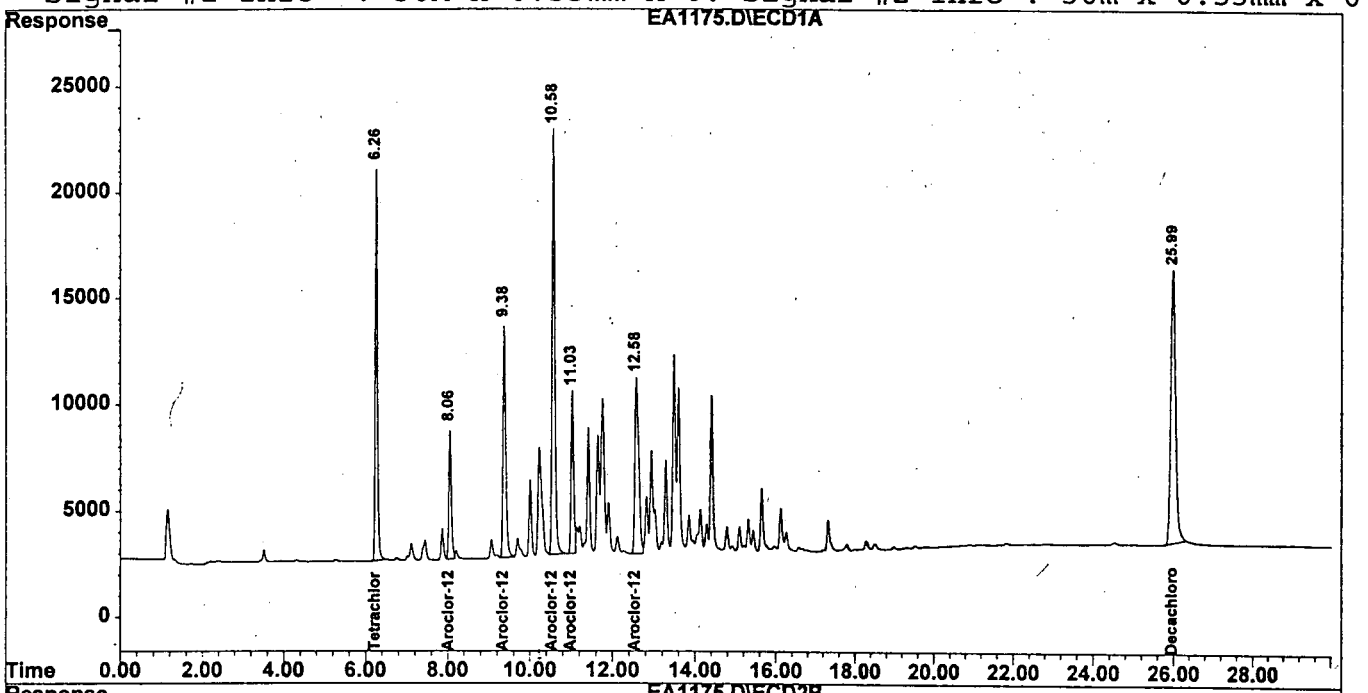
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

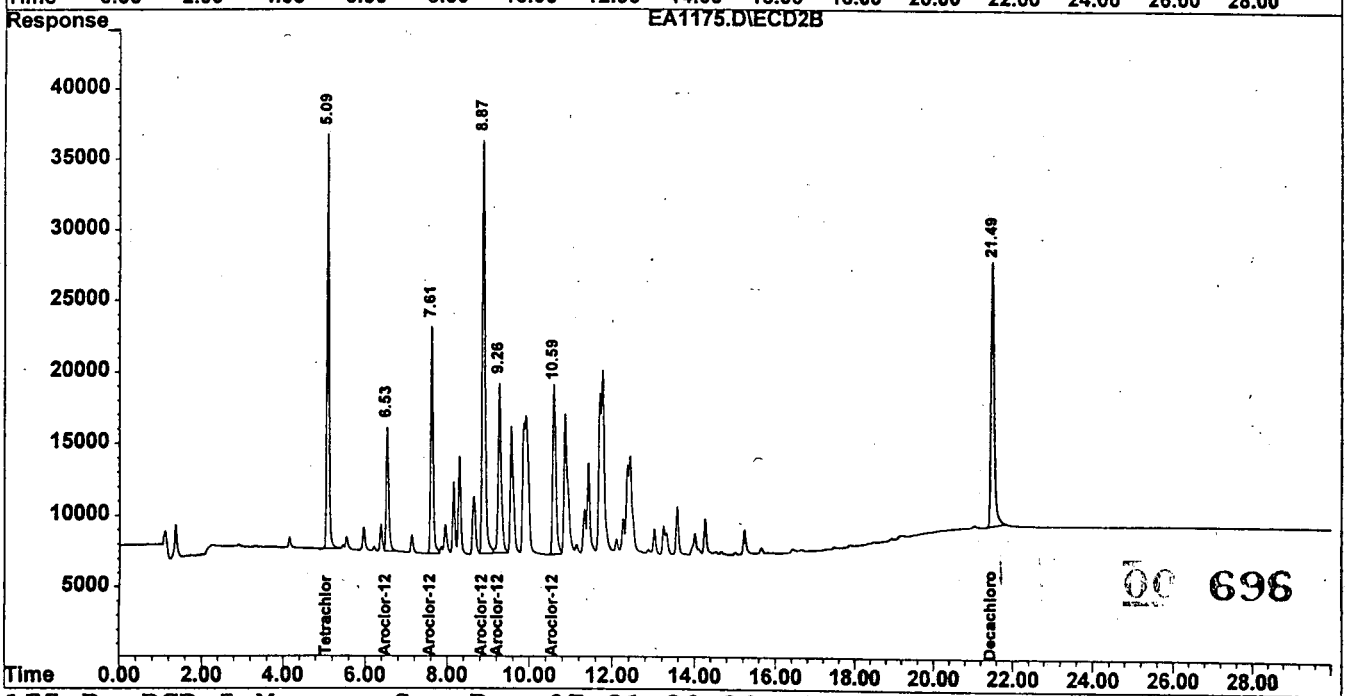
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1175.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1175.D\ECD2B.CH
Acq On : 17 Nov 97 9:02 Operator:
Sample : AR1242 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1176.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1176.D\ECD2B.CH
Acq On : 17 Nov 97 9:36 Operator:
Sample : AR1242 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:07 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	1494210	2133105	106.294	102.342
Spiked Amount 40.000 Range 43 - 150 Recovery =					265.74%#	255.86%#
) SA Decachlorobiphen	25.99	21.49	2376597	2165714	104.963	100.833
Spiked Amount 40.000 Range 24 - 154 Recovery =					262.41%#	252.08%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
) L4 Aroclor-1242{1}	8.05	6.53	500097	707027	1918.879	1938.734
) L4 Aroclor-1242{2}	9.38	7.61	987656	1261021	1837.170	1943.354
19) L4 Aroclor-1242{3}	10.57	8.87	1864152	2649816	5619.084	1899.803 #
) L4 Aroclor-1242{4}	11.03	9.26	676924	1219423	2491.684	1992.821
) L4 Aroclor-1242{5}	12.57	10.59	1069460	1245084	1919.109	1882.325
Sum Aroclor-1242			5098289	7082372	13785.927	9657.036
Average Aroclor-1242					2757.185	1931.407
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

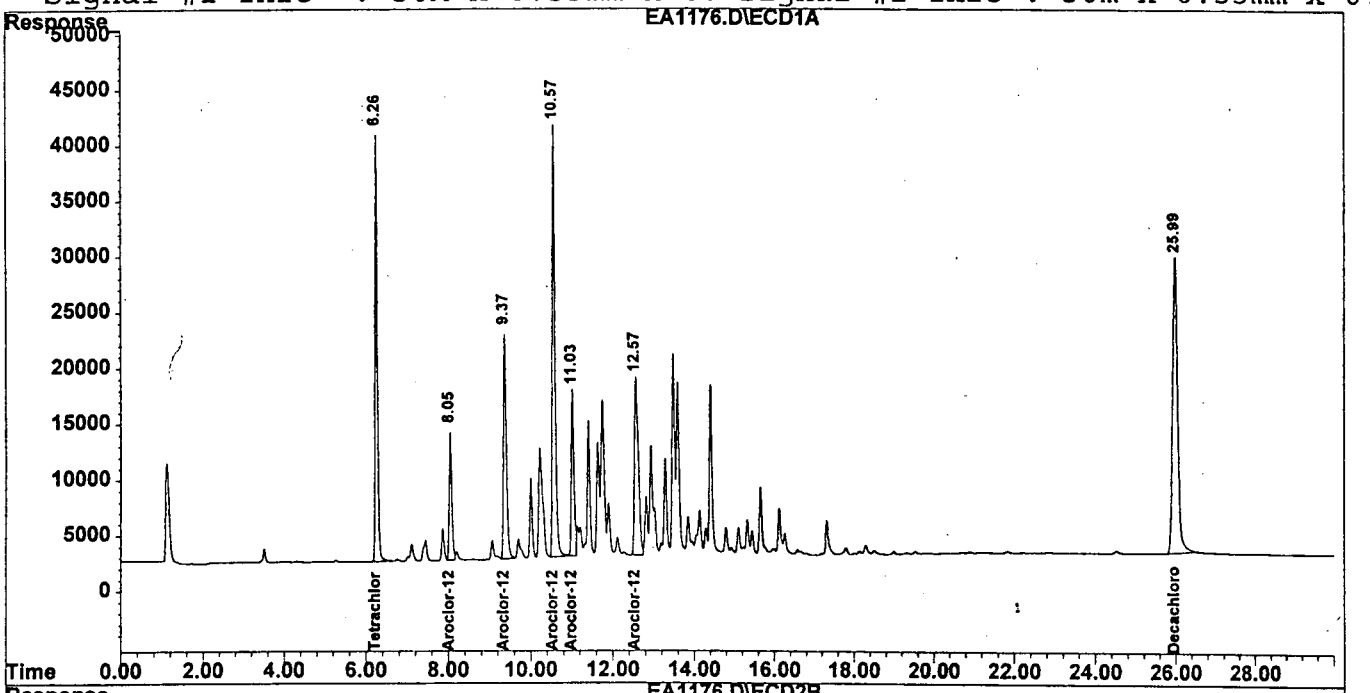
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
EA1176.D PCB_5.M Sun Dec 07 21:20:52 1997 PPM

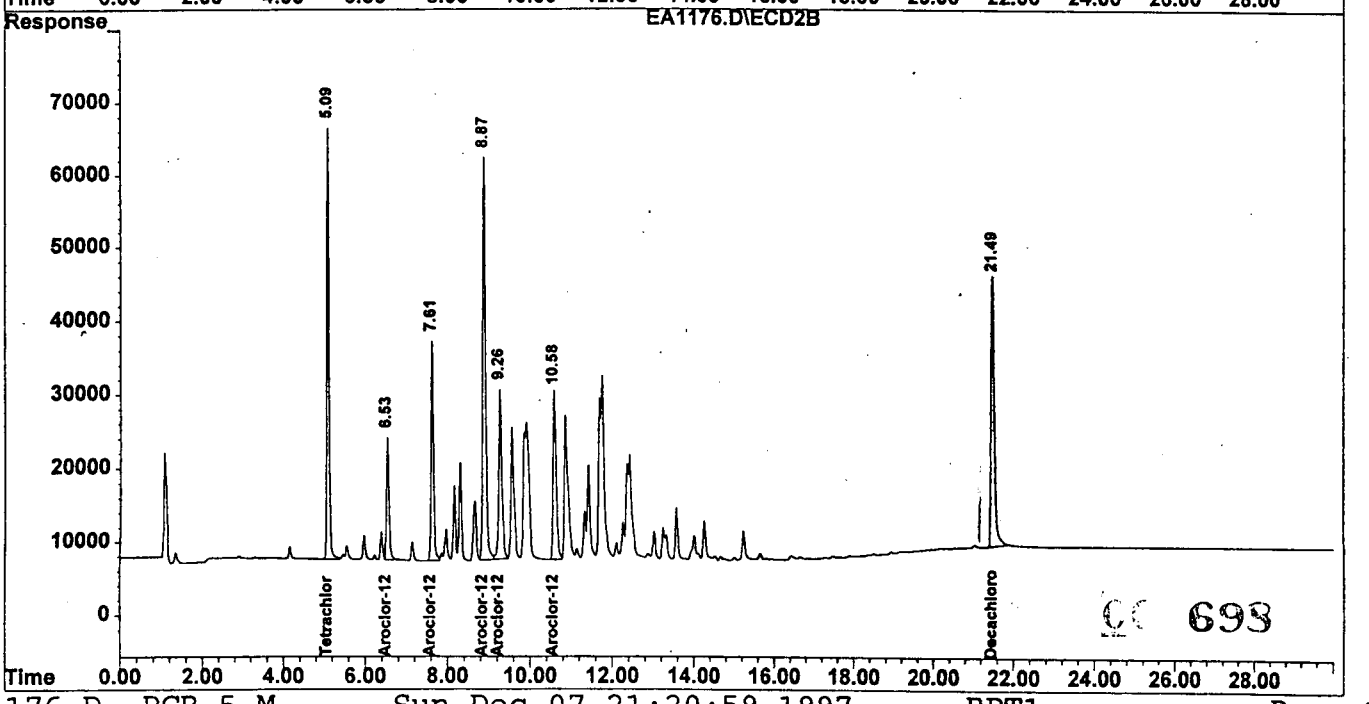
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1176.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1176.D\ECD2B.CH
Acq On : 17 Nov 97 9:36 Operator:
Sample : AR1242 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:07 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CC 698

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1177.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_E\EA1177.D\ECD2B.CH
Acq On : 17 Nov 97 10:10 Operator:
Sample : AR1242 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:09 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	2920500	4021489	207.755	192.943
Spiked Amount 40.000 Range 43 - 150 Recovery =					519.39%#	482.36%#
2) SA Decachlorobiphen	25.98	21.48	4483264	4002738	198.004	186.362
Spiked Amount 40.000 Range 24 - 154 Recovery =					495.01%#	465.91%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
17) L4 Aroclor-1242{1}	8.05	6.53	1067249	1542978	4095.046	4230.991
18) L4 Aroclor-1242{2}	9.38	7.61	2060541	2668183	3832.880	4111.923
19) L4 Aroclor-1242{3}	10.57	8.87	4102664	5640531	12366.601	4044.014 #
20) L4 Aroclor-1242{4}	11.03	9.26	1517605	2639389	5586.142	4313.375
21) L4 Aroclor-1242{5}	12.57	10.58	2351991	2687489	4220.565	4062.960
Sum Aroclor-1242			11100051	15178569	30101.234	20763.263
Average Aroclor-1242					6020.247	4152.653
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

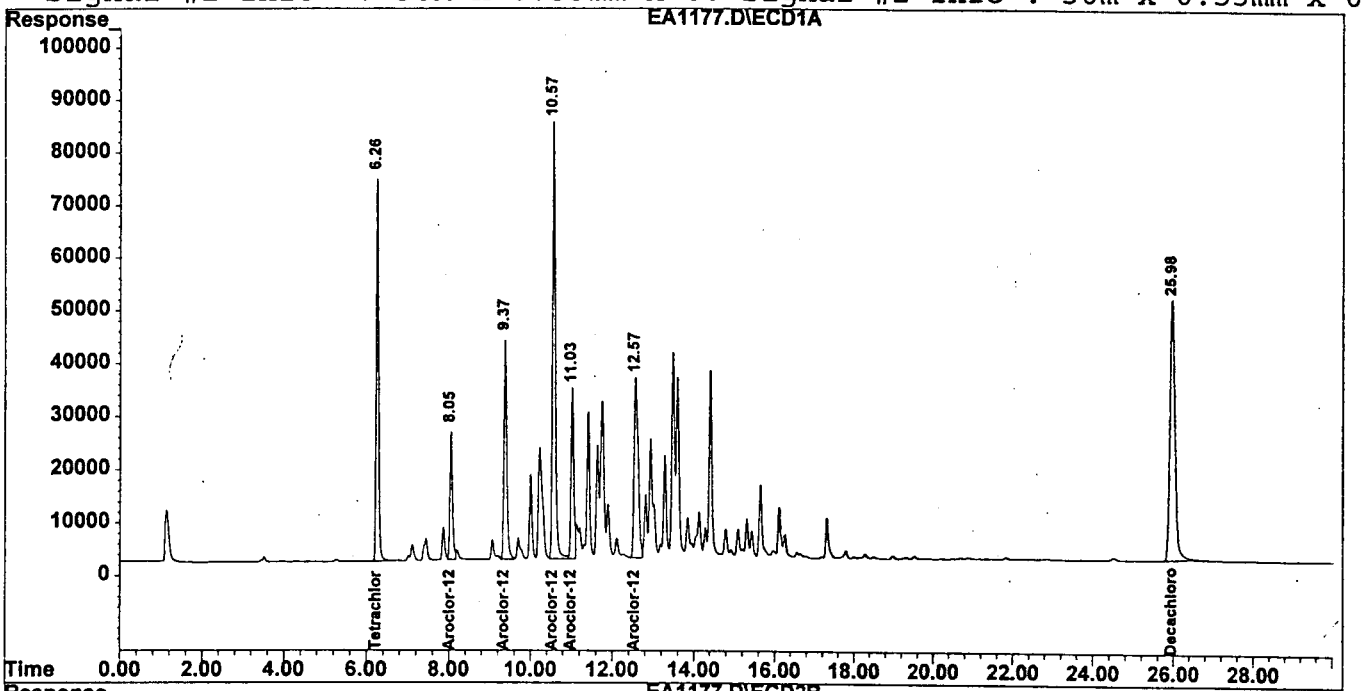
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

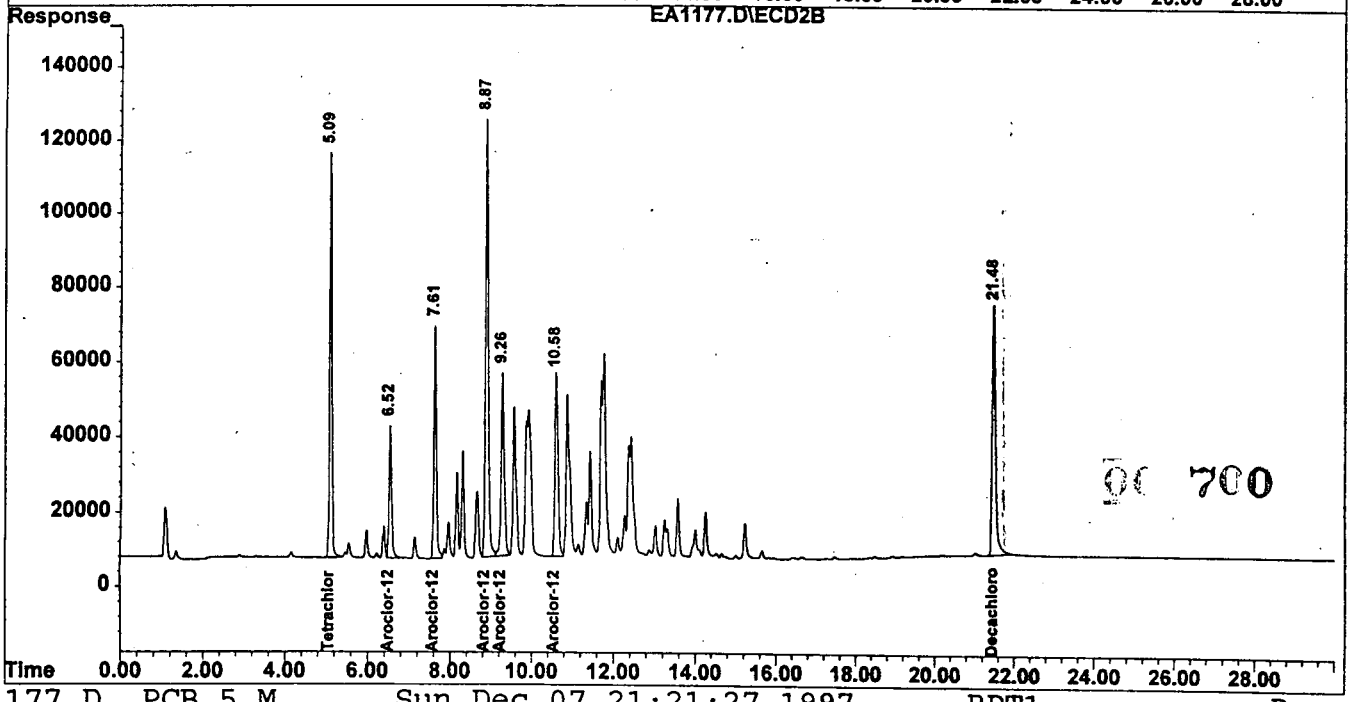
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1177.D\ECD1A.CH Vial: 20
Signal #2 : C:\HPCHEM\1\DATA_E\EA1177.D\ECD2B.CH
Acq On : 17 Nov 97 10:10 Operator:
Sample : AR1242 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:09 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





DC 700

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1168.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1168.D\ECD2B.CH
Acq On : 17 Nov 97 5:05 Operator:
Sample : AR1248 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 13:00 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	140725	222332	10.097	11.512
Spiked Amount 40.000 Range 43 - 150 Recovery =					25.24%#	28.78%#
2) SA Decachlorobiphen	25.99	21.49	237965	232924	10.678	10.579
Spiked Amount 40.000 Range 24 - 154 Recovery =					26.70%	26.45%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.38	7.62	35163	41292	133.438	121.893
23) L5 Aroclor-1248{2}	10.58	8.88	101418	145213	139.992	144.628
24) L5 Aroclor-1248{3}	12.58	10.59	94808	109486	138.040	126.006m
25) L5 Aroclor-1248{4}	13.49	10.86	87752	97531	156.120	120.371
26) L5 Aroclor-1248{5}	15.66	13.57	34349	36872	63.190	133.240 #
Sum Aroclor-1248			353489	430395	630.781	646.137
Average Aroclor-1248					126.156	129.227
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

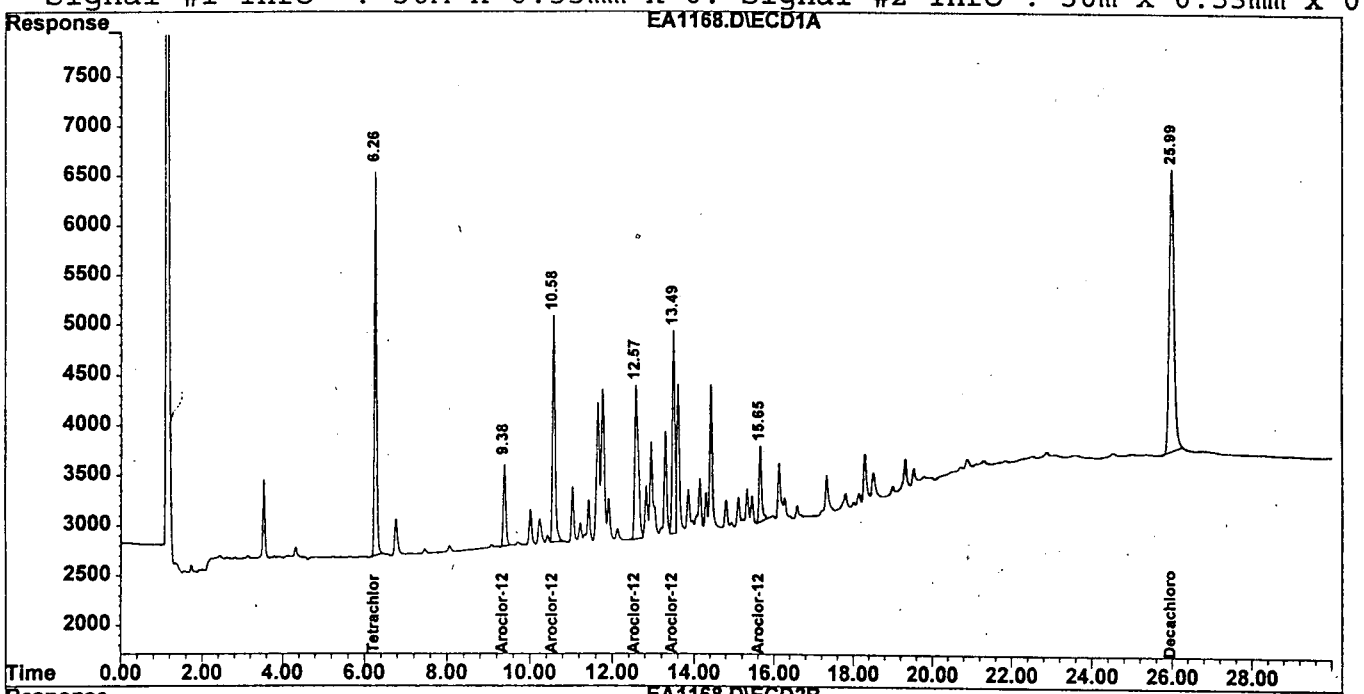
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
EA1168.D PCB_5.M Sun Dec 07 21:17:06 1997 RPT1

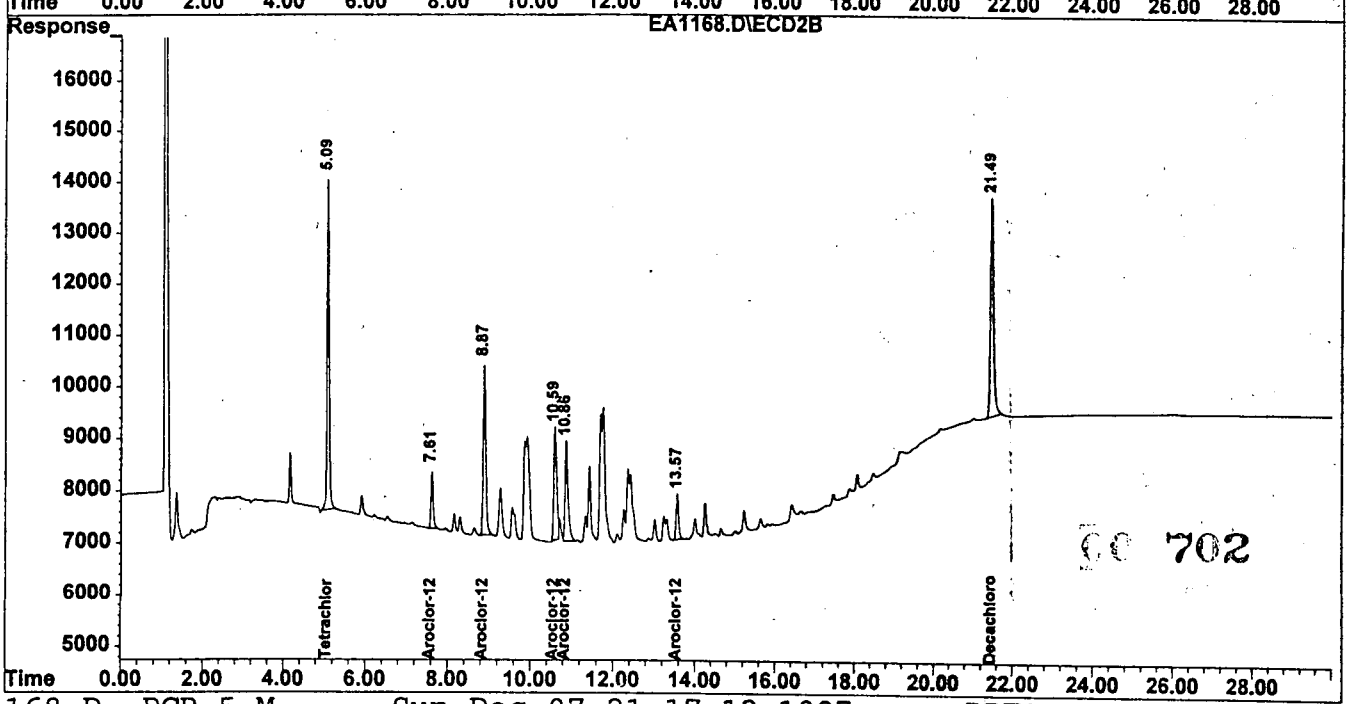
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1168.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1168.D\ECD2B.CH
Acq On : 17 Nov 97 5:05 Operator:
Sample : AR1248 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 13:00 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





00 702

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1169.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1169.D\ECD2B.CH
Acq On : 17 Nov 97 5:39 Operator:
Sample : AR1248 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:45 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	366141	561232	26.270	29.058
Spiked Amount 40.000 Range 43 - 150 Recovery =					65.68%	72.65%
2) SA Decachlorobiphen	25.99	21.49	610212	582726	27.381	26.466
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.45%	66.17%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.38	7.62	125268	153408	475.374	452.857
23) L5 Aroclor-1248{2}	10.58	8.87	355859	534899	491.210	532.743
24) L5 Aroclor-1248{3}	12.57	10.59	325991	416682	474.644	479.553
25) L5 Aroclor-1248{4}	13.49	10.86	306020	357057	544.445	440.673
26) L5 Aroclor-1248{5}	15.65	13.57	138480	140725	254.759	508.516 #
Sum Aroclor-1248			1251618	1602771	2240.431	2414.342
Average Aroclor-1248					448.086	482.868
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

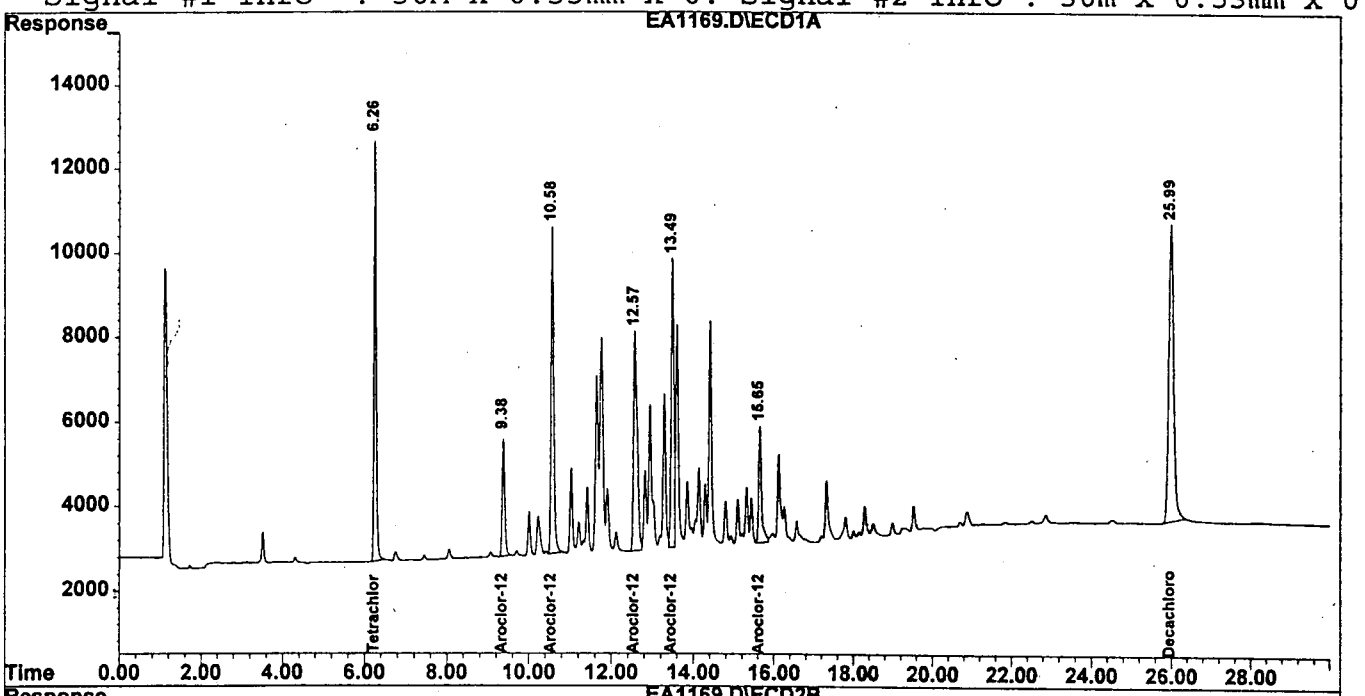
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

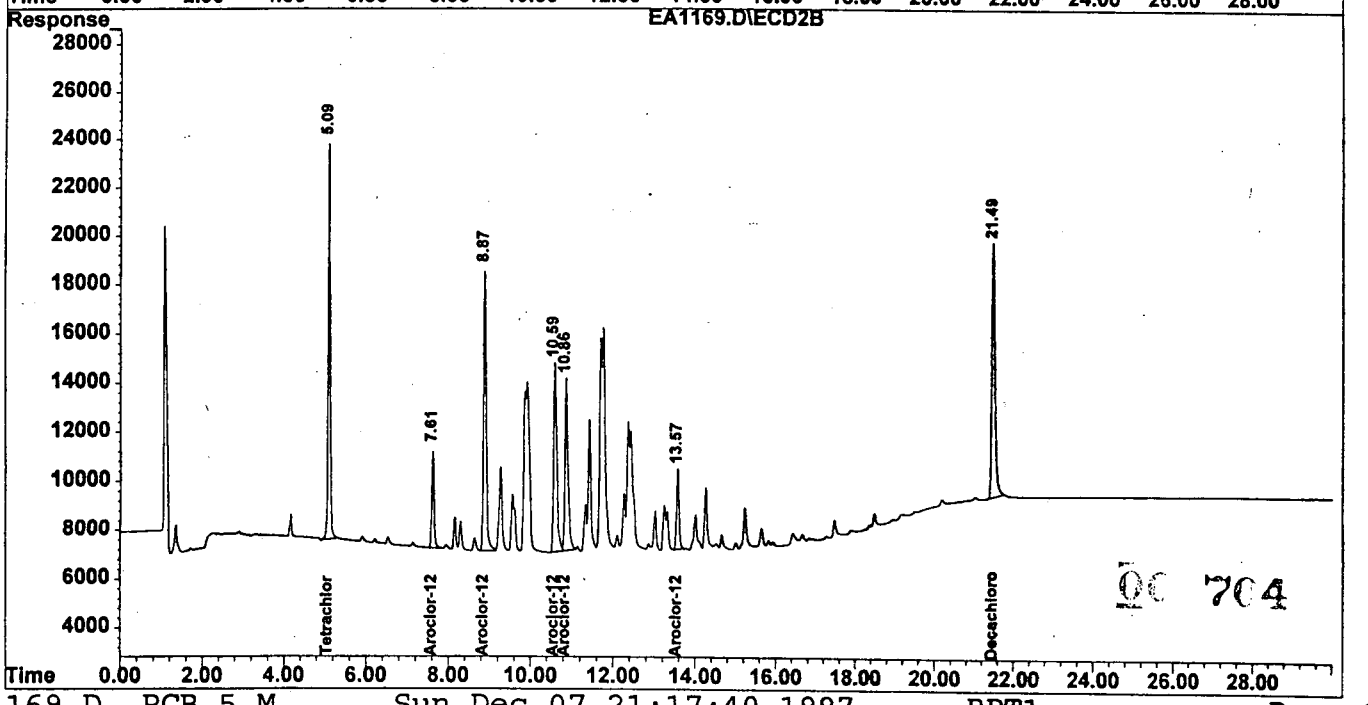
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1169.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1169.D\ECD2B.CH
Acq On : 17 Nov 97 5:39 Operator:
Sample : AR1248 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:45 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





DC 704

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1170.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1170.D\ECD2B.CH
Acq On : 17 Nov 97 6:13 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:47 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	698793	1033063	50.138	53.488
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.35%	133.72%
2) SA Decachlorobiphen	25.99	21.49	1129036	1080190	50.661	49.060
Spiked Amount 40.000 Range 24 - 154 Recovery =					126.65%	122.65%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
21) L5 Aroclor-1248{1}	9.38	7.61	286303	354934	1086.474	1047.760
23) L5 Aroclor-1248{2}	10.58	8.87	834900	1214391	1152.453	1209.497
24) L5 Aroclor-1248{3}	12.57	10.59	746075	940186	1086.289	1082.045
25) L5 Aroclor-1248{4}	13.49	10.86	705628	879876	1255.394	1085.925
26) L5 Aroclor-1248{5}	15.65	13.57	343208	352317	631.393	1273.113 #
Sum Aroclor-1248			2916115	3741704	5212.004	5698.339
Average Aroclor-1248					1042.401	1139.668
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

00 705

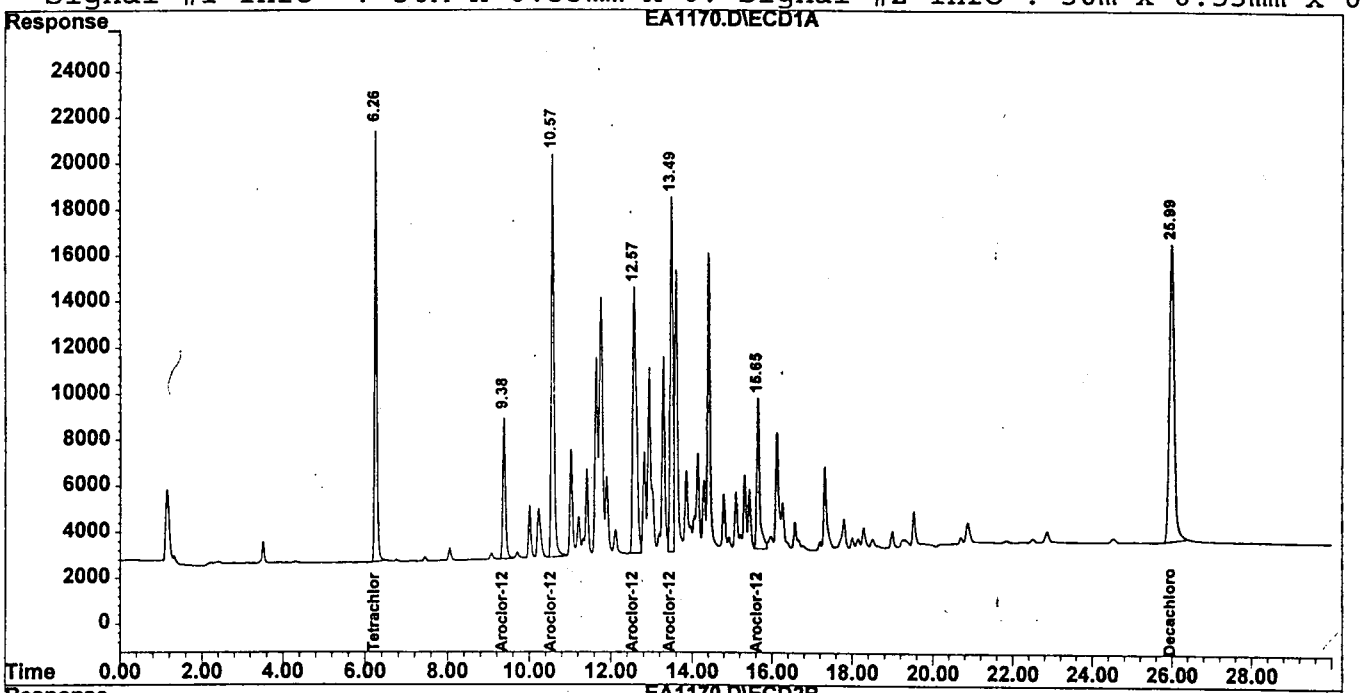
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

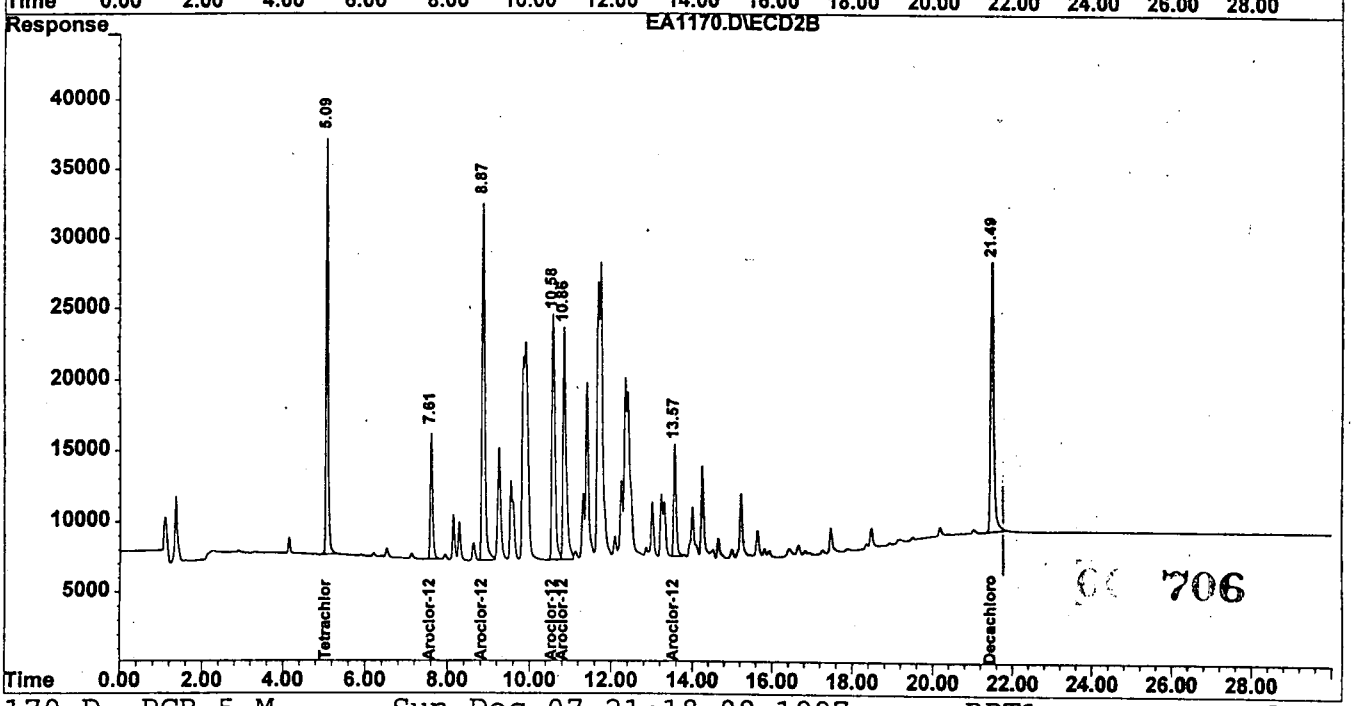
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1170.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1170.D\ECD2B.CH
Acq On : 17 Nov 97 6:13 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:47 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





706

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1171.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_E\EA1171.D\ECD2B.CH
Acq On : 17 Nov 97 6:47 Operator:
Sample : AR1248 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:48 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	1488439	2106730	106.794	109.078
Spiked Amount 40.000 Range 43 - 150 Recovery =					266.99%#	272.70%#
2) SA Decachlorobiphen	25.99	21.49	2337752	2147814	104.896	97.550
Spiked Amount 40.000 Range 24 - 154 Recovery =					262.24%#	243.88%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.38	7.61	525922	668563	1995.794	1973.585
23) L5 Aroclor-1248{2}	10.58	8.87	1556781	2220015	2148.900	2211.067
24) L5 Aroclor-1248{3}	12.57	10.59	1383693	1731436	2014.663	1992.682
25) L5 Aroclor-1248{4}	13.49	10.86	1292331	1677818	2299.205	2070.729
26) L5 Aroclor-1248{5}	15.66	13.57	653595	723355	1202.406	2613.876 #
Sum Aroclor-1248			5412322	7021187	9660.968	10861.938
Average Aroclor-1248					1932.194	2172.388
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

00 707

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

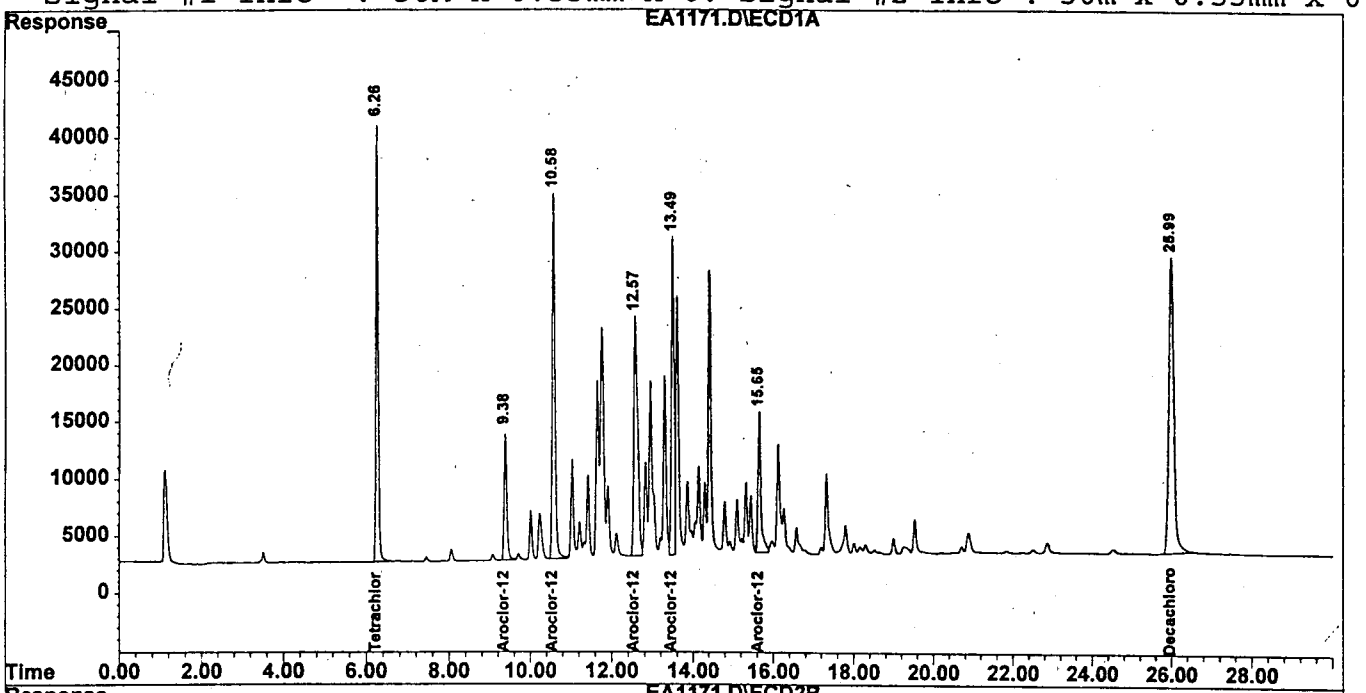
Quantitation Report

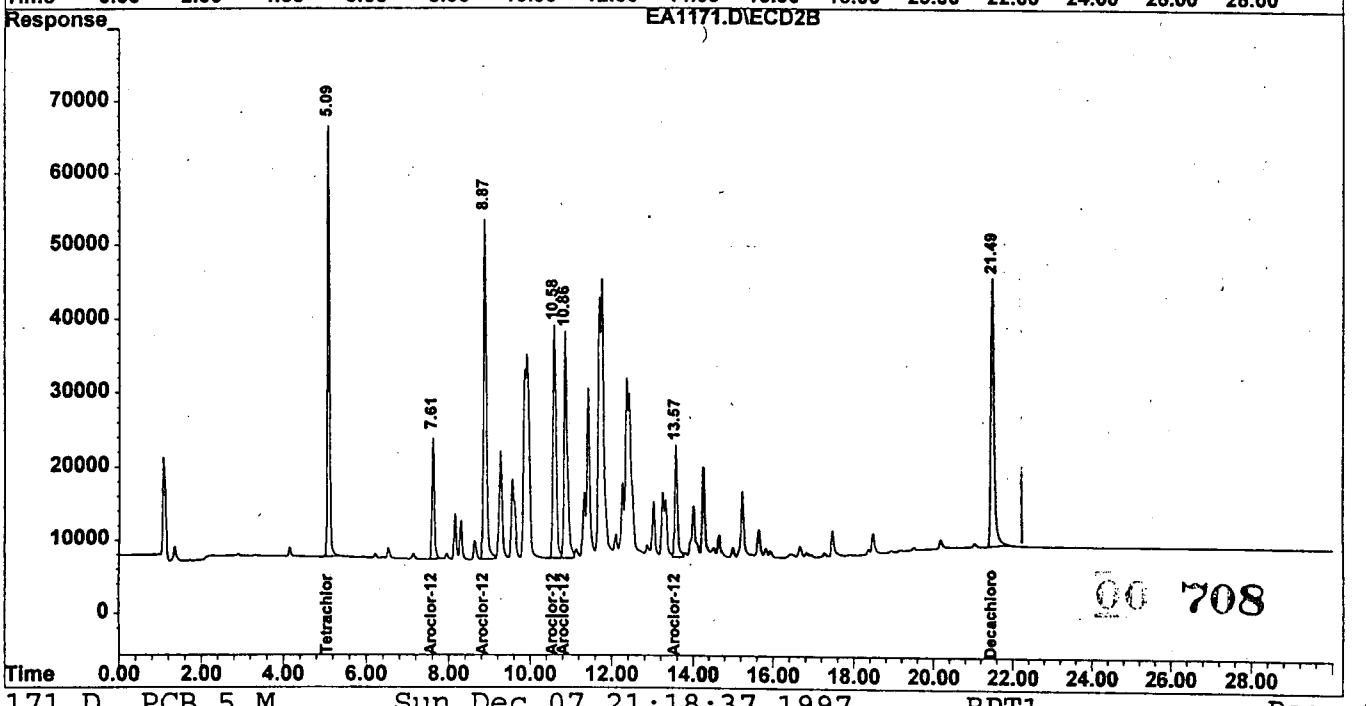
Signal #1 : C:\HPCHEM\1\DATA_E\EA1171.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1171.D\ECD2B.CH
Acq On : 17 Nov 97 6:47
Sample : AR1248 #4
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 11:48 1997 Quant Results File: PCB_5.RES

Vial: 14
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





00 708

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1172.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1172.D\ECD2B.CH
Acq On : 17 Nov 97 7:21 Operator:
Sample : AR1248 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 12:58 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	2873001	3968881	206.136	205.494
Spiked Amount 40.000 Range 43 - 150 Recovery =					515.34%#	513.74%#
2) SA Decachlorobiphen	26.00	21.49	4434479	3979149	198.978	180.726
Spiked Amount 40.000 Range 24 - 154 Recovery =					497.45%#	451.82%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.38	7.61	1117457	1470943	4240.578	4342.196
23) L5 Aroclor-1248{2}	10.58	8.87	3385912	4744109	4673.737	4724.989
24) L5 Aroclor-1248{3}	12.57	10.58	3008611	3778010	4380.552	4348.049m
25) L5 Aroclor-1248{4}	13.49	10.86	2785374	3750329	4955.501	4628.581
26) L5 Aroclor-1248{5}	15.66	13.57	1500581	1675427	2760.591	6054.229 #
Sum Aroclor-1248			11797935	15418818	21010.958	24098.044
Average Aroclor-1248					4202.192	4819.609
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

00 709

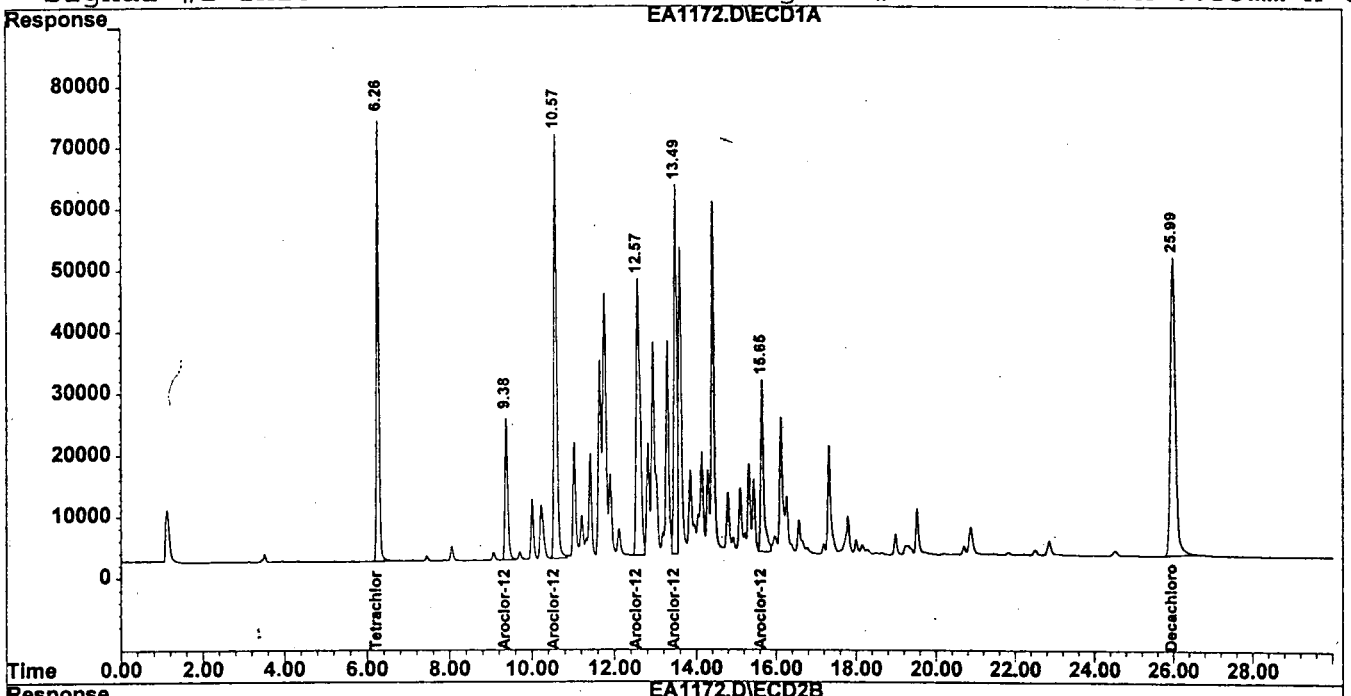
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

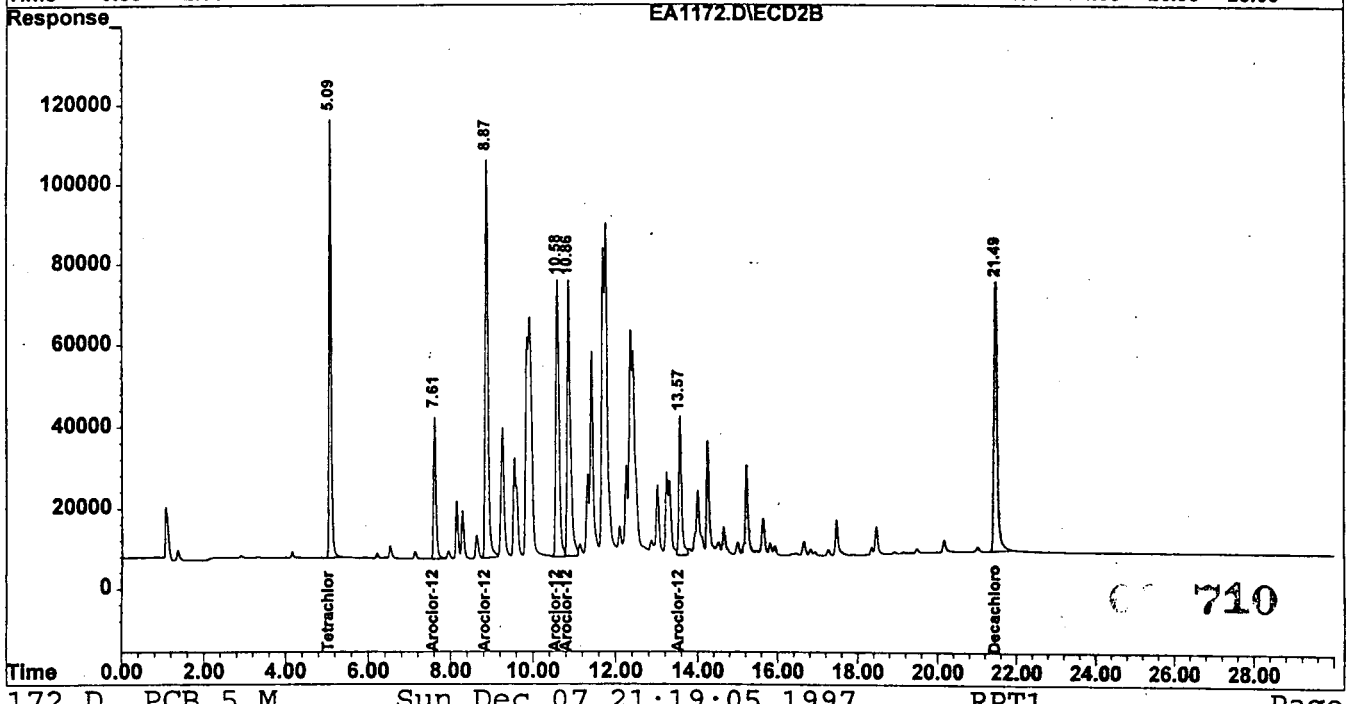
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1172.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1172.D\ECD2B.CH
Acq On : 17 Nov 97 7:21 Operator:
Sample : AR1248 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 12:58 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Sep 01 19:43:45 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





710

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1190.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1190.D\ECD2B.CH
Acq On : 18 Nov 97 9:36 Operator:
Sample : AR1254 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 11:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:34:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	134049	211306	9.405	10.446
Spiked Amount 40.000 Range 43 - 150 Recovery =					23.51%#	26.12%#
2) SA Decachlorobiphen	25.98	21.48	234948	218367	9.993	10.125
Spiked Amount 40.000 Range 24 - 154 Recovery =					24.98%	25.31%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.65	9.85	47846	73720	124.465m	120.279m
28) L6 Aroclor-1254{2}	13.86	11.74	74619	151746	127.717	123.936m
29) L6 Aroclor-1254{3}	15.66	12.26	150021	124096	117.128	126.454
30) L6 Aroclor-1254{4}	16.58	13.56	65421	152175	106.025	109.143
31) L6 Aroclor-1254{5}	17.80	15.64	131420	149424	109.243	110.980m
Sum Aroclor-1254			469327	651161	584.578	590.791
Average Aroclor-1254					116.916	118.158
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

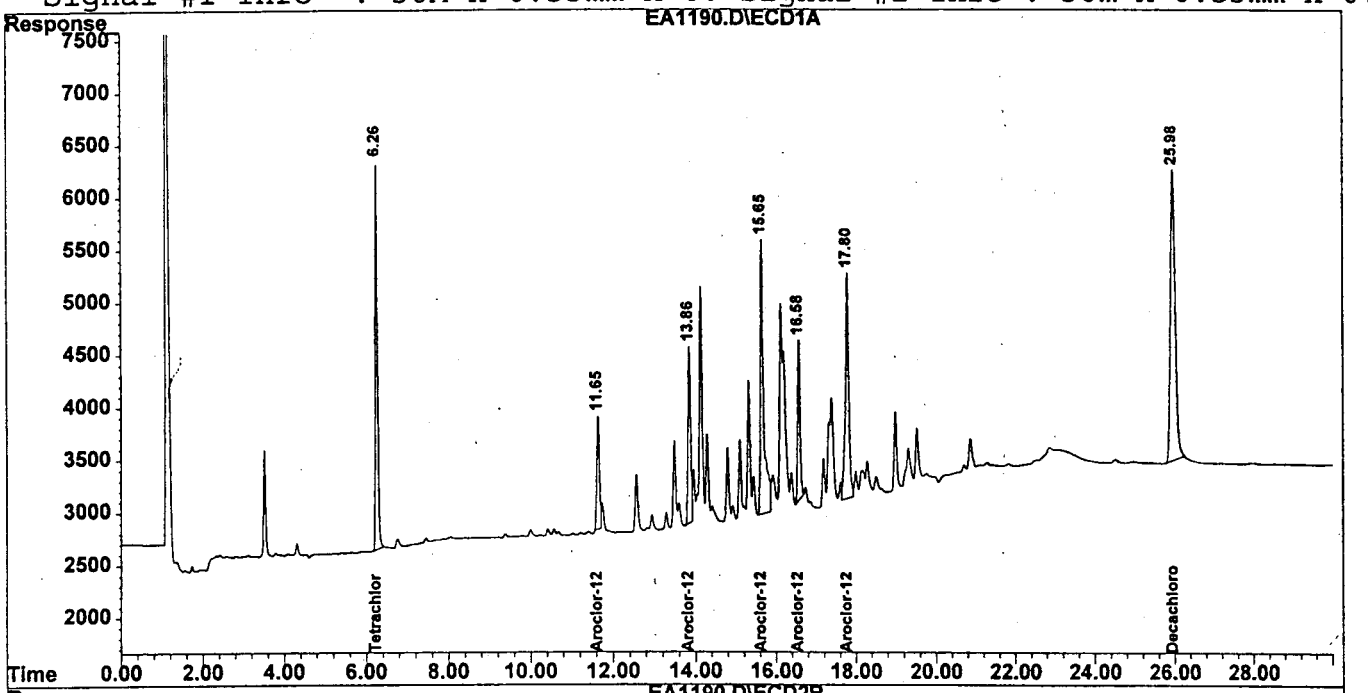
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

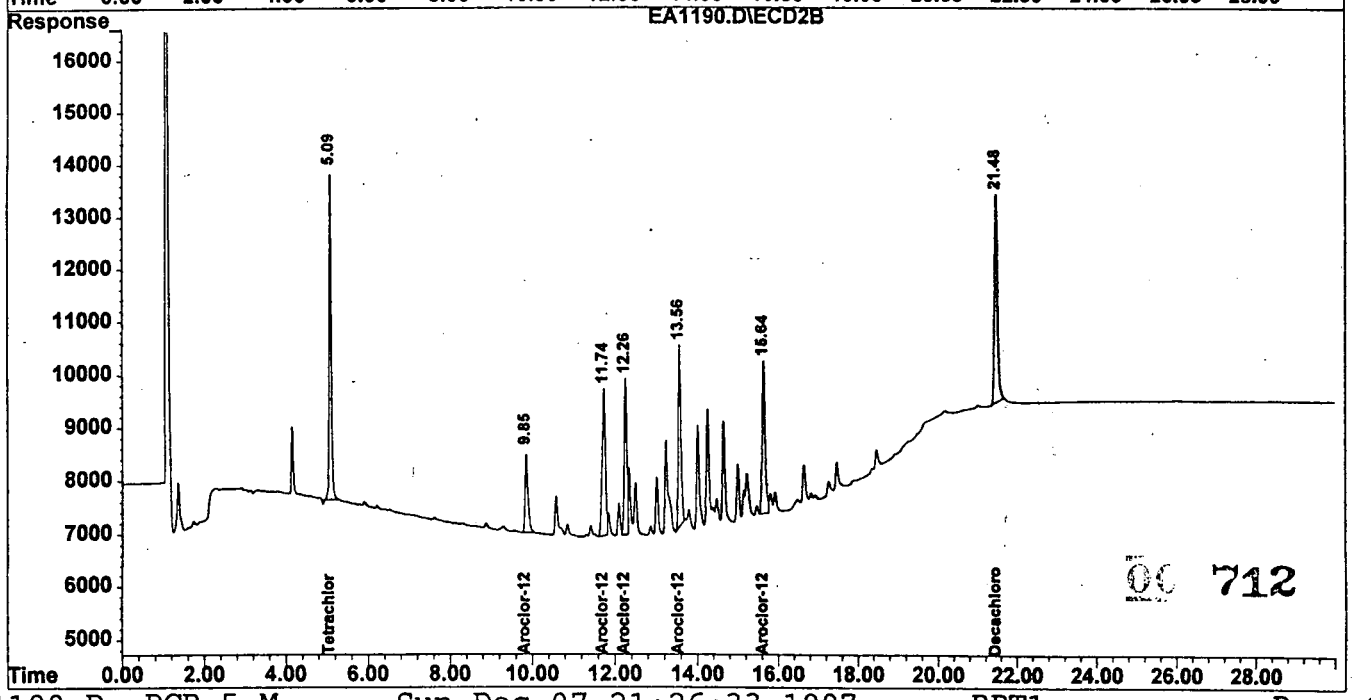
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1190.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1190.D\ECD2B.CH
Acq On : 18 Nov 97 9:36 Operator:
Sample : AR1254 #1 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 18 11:06 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:34:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





00 712

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1164.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1164.D\ECD2B.CH
Acq On : 17 Nov 97 2:49 Operator:
Sample : AR1254 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 16:12 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	358909	541027	25.532	25.957
Spiked Amount 40.000 Range 43 - 150 Recovery =					63.83%	64.89%
2) SA Decachlorobiphen	25.98	21.48	587760	577359	25.959	26.881
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.90%	67.20%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.65	9.85	163754	271580	548.888m	442.320m
28) L6 Aroclor-1254{2}	13.85	11.74	257982	547372	1015.740	446.961 #
29) L6 Aroclor-1254{3}	15.65	12.26	539267	443318	1914.745	451.741 #
30) L6 Aroclor-1254{4}	16.57	13.57	252575	618456	401.891	436.945
31) L6 Aroclor-1254{5}	17.80	15.65	495013	590691	1607.674	432.830 #
Sum Aroclor-1254			1708591	2471416	5488.938	2210.798
Average Aroclor-1254					1097.788	442.160
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

00 713

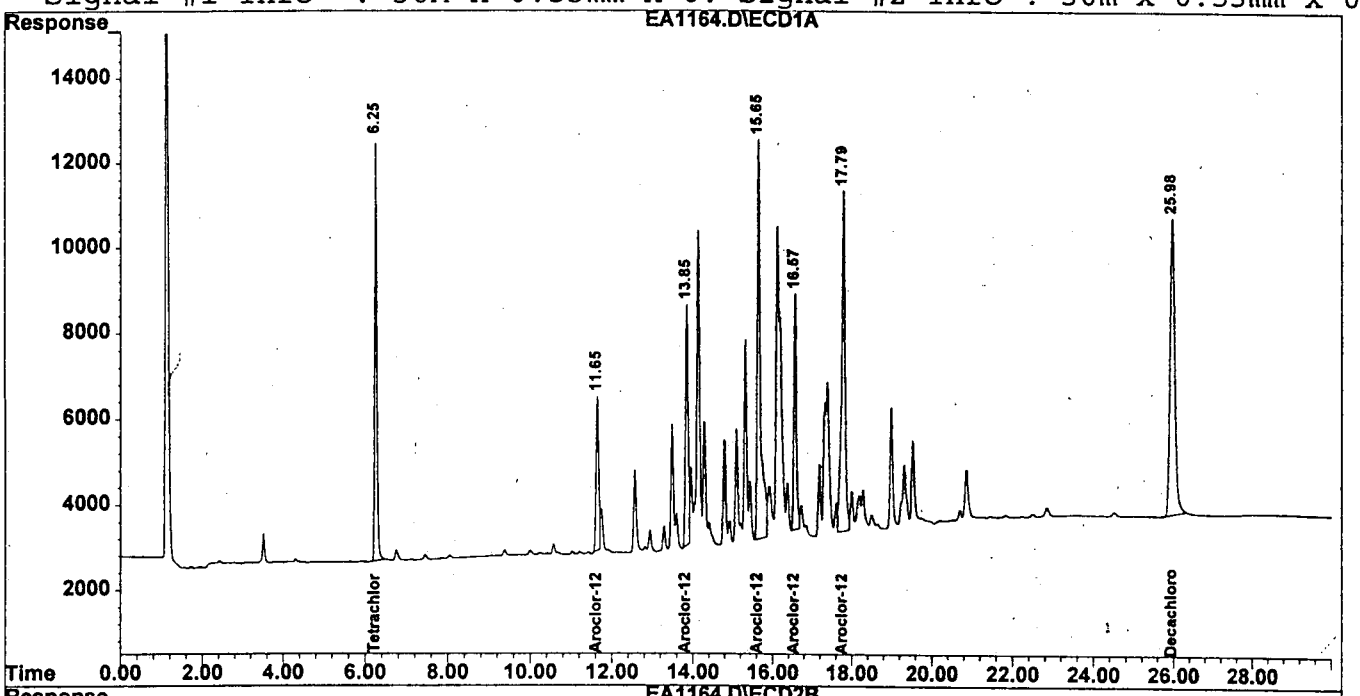
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

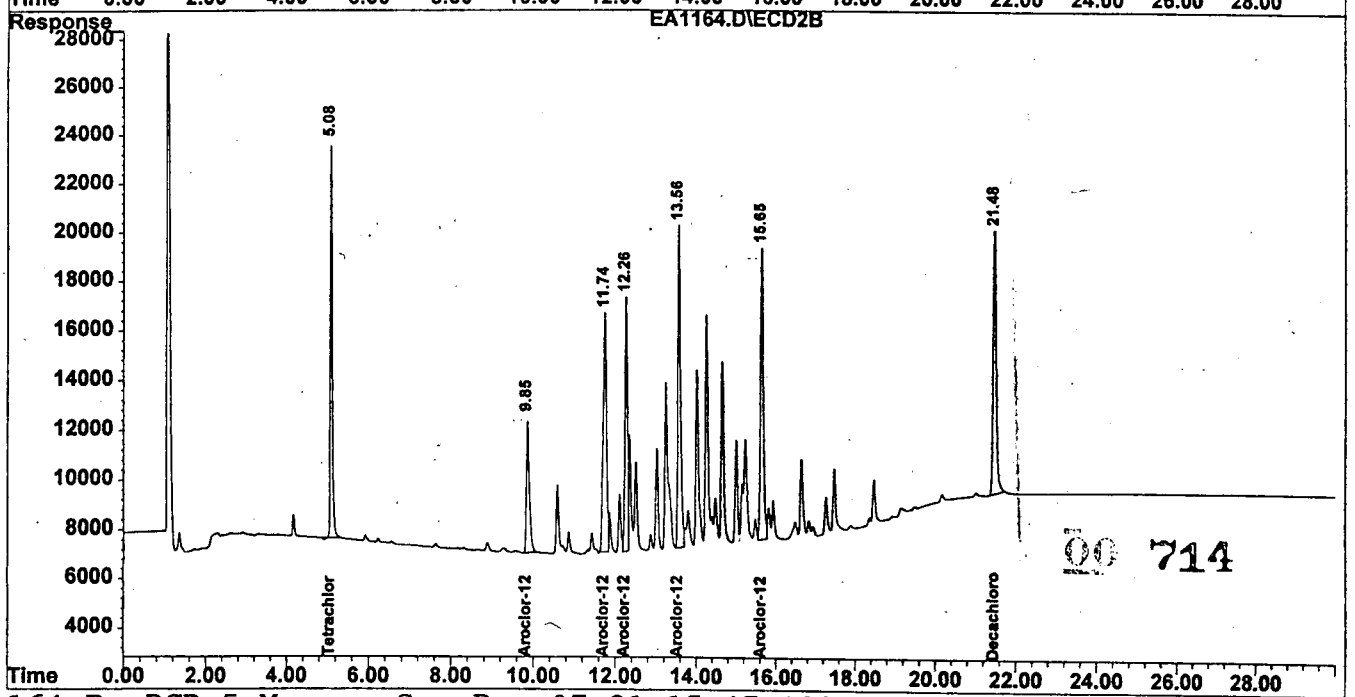
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1164.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1164.D\ECD2B.CH
Acq On : 17 Nov 97 2:49 Operator:
Sample : AR1254 #2 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 16:12 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





00 714

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1165.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1165.D\ECD2B.CH
Acq On : 17 Nov 97 3:23 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 14:58 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	706009	1046167	50.223	50.193
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.56%	125.48%
2) SA Decachlorobiphen	25.99	21.48	1121554	1087308	49.534	50.623
Spiked Amount 40.000 Range 24 - 154 Recovery =					123.84%	126.56%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.65	9.85	364174	607964	1220.677	990.187m
28) L6 Aroclor-1254{2}	13.85	11.74	581588	1219451	2289.854	995.752 #
29) L6 Aroclor-1254{3}	15.65	12.26	1286031	965678	4566.238	984.027 #
30) L6 Aroclor-1254{4}	16.57	13.57	642129	1410960	1021.740	996.858
31) L6 Aroclor-1254{5}	17.80	15.65	1192621	1376384	3873.323	1008.549 #
Sum Aroclor-1254			4066543	5580437	12971.832	4975.373
Average Aroclor-1254					2594.366	995.075
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

CC 715

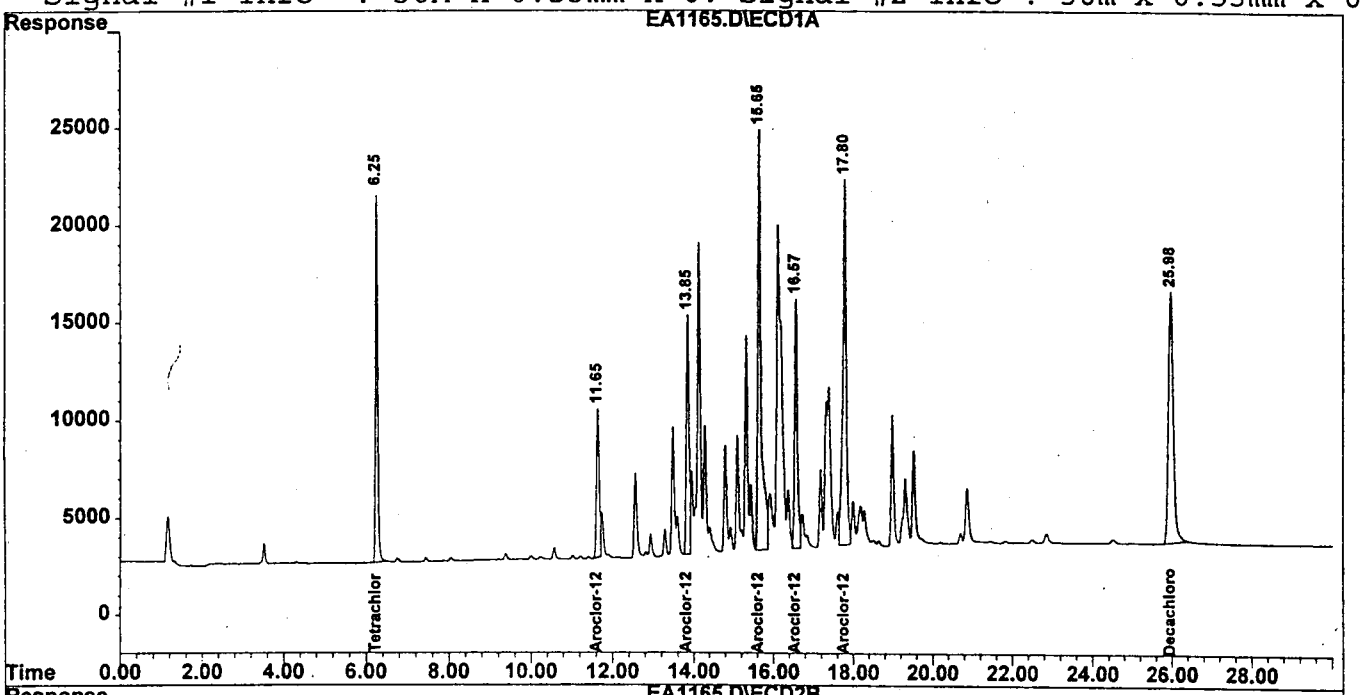
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

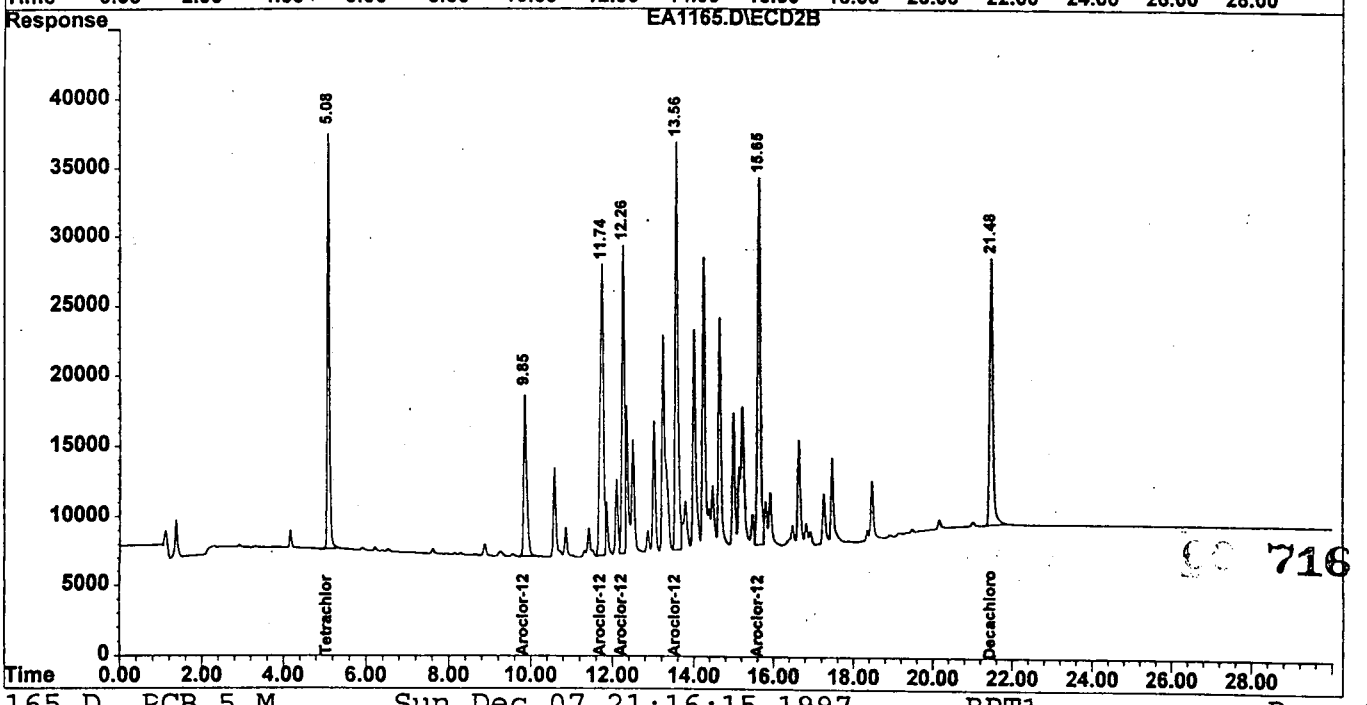
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1165.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_E\EA1165.D\ECD2B.CH
Acq On : 17 Nov 97 3:23 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 14:58 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





716

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1166.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1166.D\ECD2B.CH
Acq On : 17 Nov 97 3:57 Operator:
Sample : AR1254 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:00 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	1476383	2084142	105.025	99.993
Spiked Amount 40.000 Range 43 - 150 Recovery =					262.56%#	249.98%#
2) SA Decachlorobiphen	25.99	21.49	2273227	2146125	100.397	99.920
Spiked Amount 40.000 Range 24 - 154 Recovery =					250.99%#	249.80%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
2[illegible]) L6 Aroclor-1254{1}	11.65	9.85	646540	1143788	2167.142	1862.879m
28) L6 Aroclor-1254{2}	13.85	11.74	1078291	2238143	4245.498	1827.573 #
2[illegible]) L6 Aroclor-1254{3}	15.65	12.26	2507490	1762516	8903.206	1796.005 #
3[illegible]) L6 Aroclor-1254{4}	16.57	13.57	1263615	2676940	2010.632	1891.286
31) L6 Aroclor-1254{5}	17.80	15.65	2419743	2650348	7858.693	1942.051 #
Sum Aroclor-1254			7915680	10471736	25185.172	9319.794
Average Aroclor-1254					5037.034	1863.959
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

717

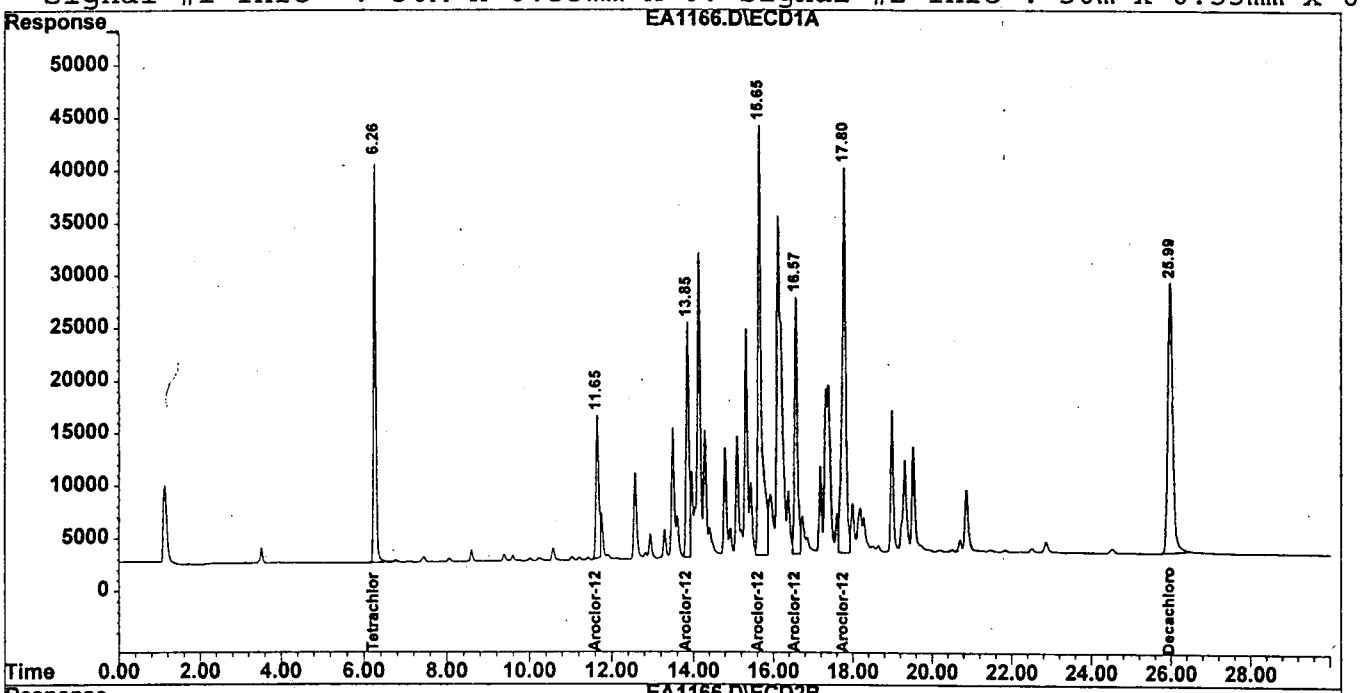
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

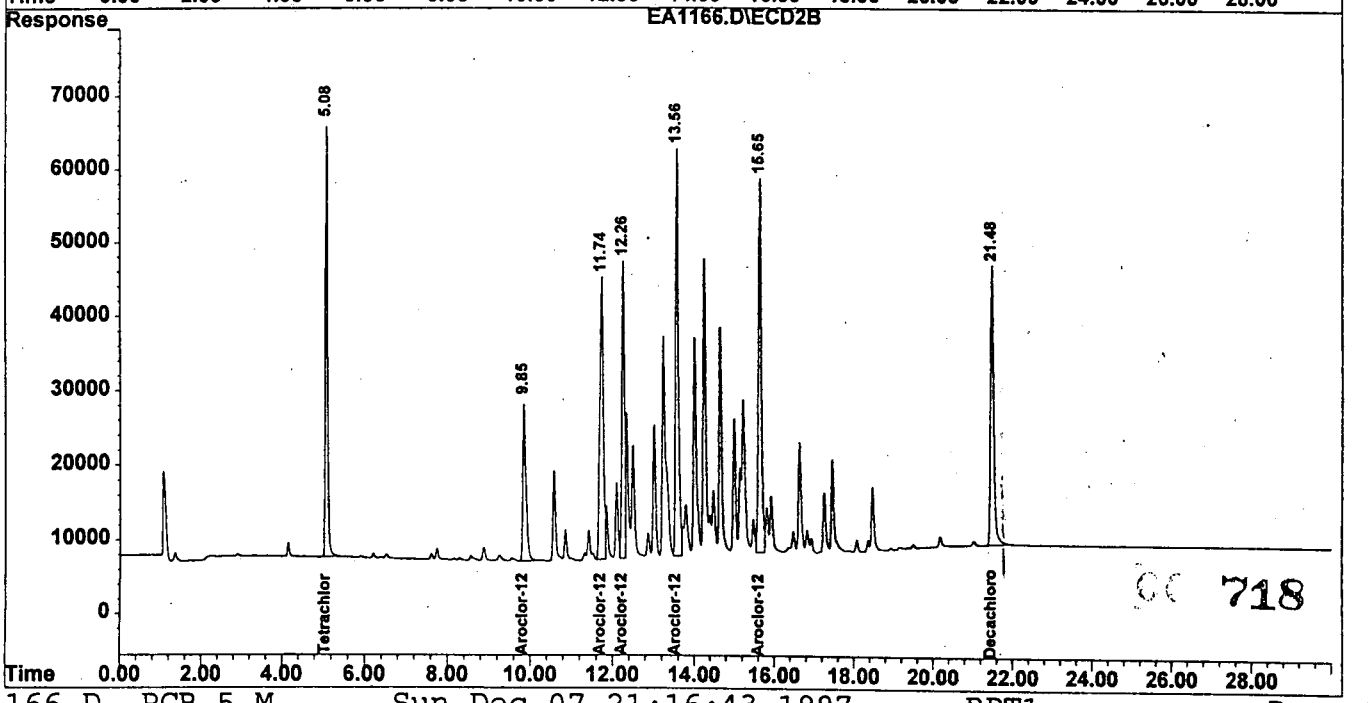
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1166.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1166.D\ECD2B.CH
Acq On : 17 Nov 97 3:57 Operator:
Sample : AR1254 #4 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 15:00 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CC 718

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_E\EA1167.D\ECD1A.CH Vial: 10
Signal #2 : F:\1\DATA_E\EA1167.D\ECD2B.CH
Acq On : 17 Nov 97 4:31 Operator:
Sample : AR1254 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 16:10 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.26	5.09	2884040	3974954	205.162	190.710
Spiked Amount 40.000 Range 43 - 150 Recovery =					512.91%#	476.78%#
) SA Decachlorobiphen	25.99	21.48	4375957	3955278	193.265	184.152
Spiked Amount 40.000 Range 24 - 154 Recovery =					483.16%#	460.38%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.65	9.84	1476680	2429582	4949.693m	3957.043m
28) L6 Aroclor-1254{2}	13.85	11.74	2275809	4757465	8960.419	3884.744 #
) L6 Aroclor-1254{3}	15.65	12.26	5542621	3724622	19679.874	3795.392 #
30) L6 Aroclor-1254{4}	16.57	13.56	2815592	5918635	4480.099	4181.578
31) L6 Aroclor-1254{5}	17.80	15.65	5551097	5979489	18028.517	4381.488 #
Sum Aroclor-1254			17661799	22809792	56098.602	20200.244
erage Aroclor-1254					11219.720	4040.049
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000

GC 719

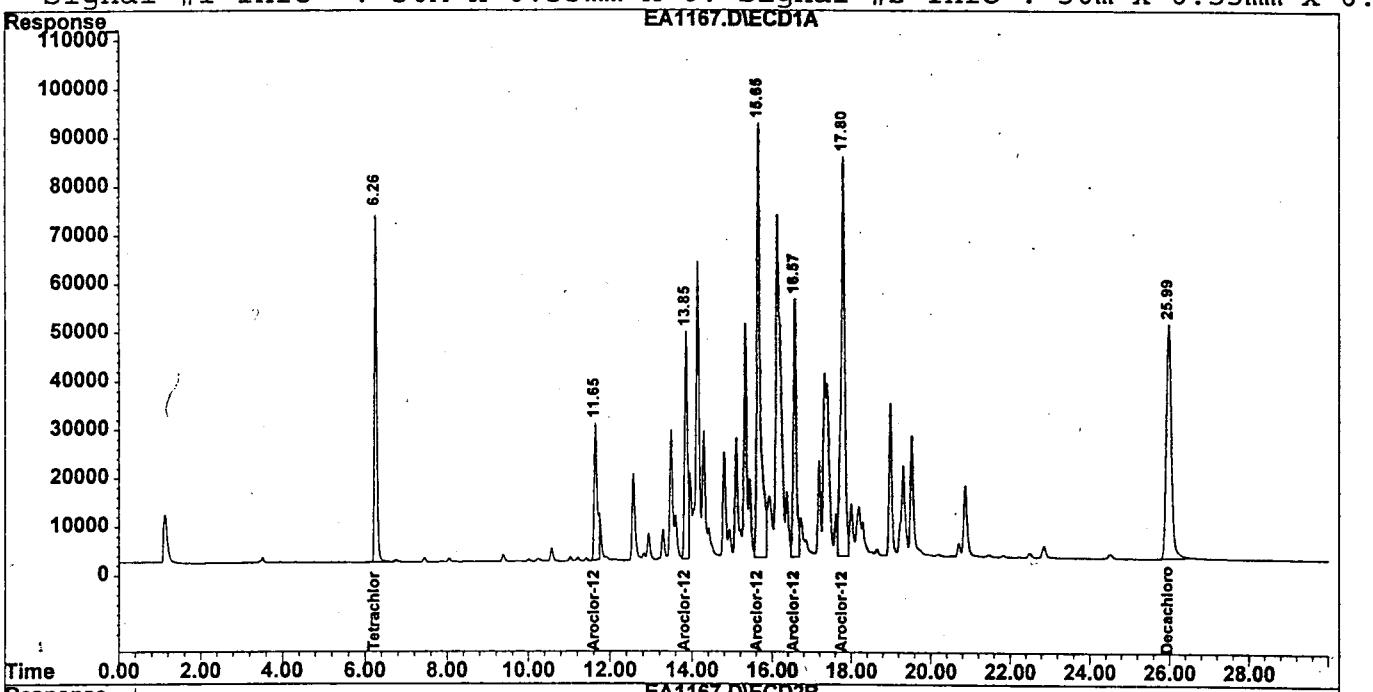
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

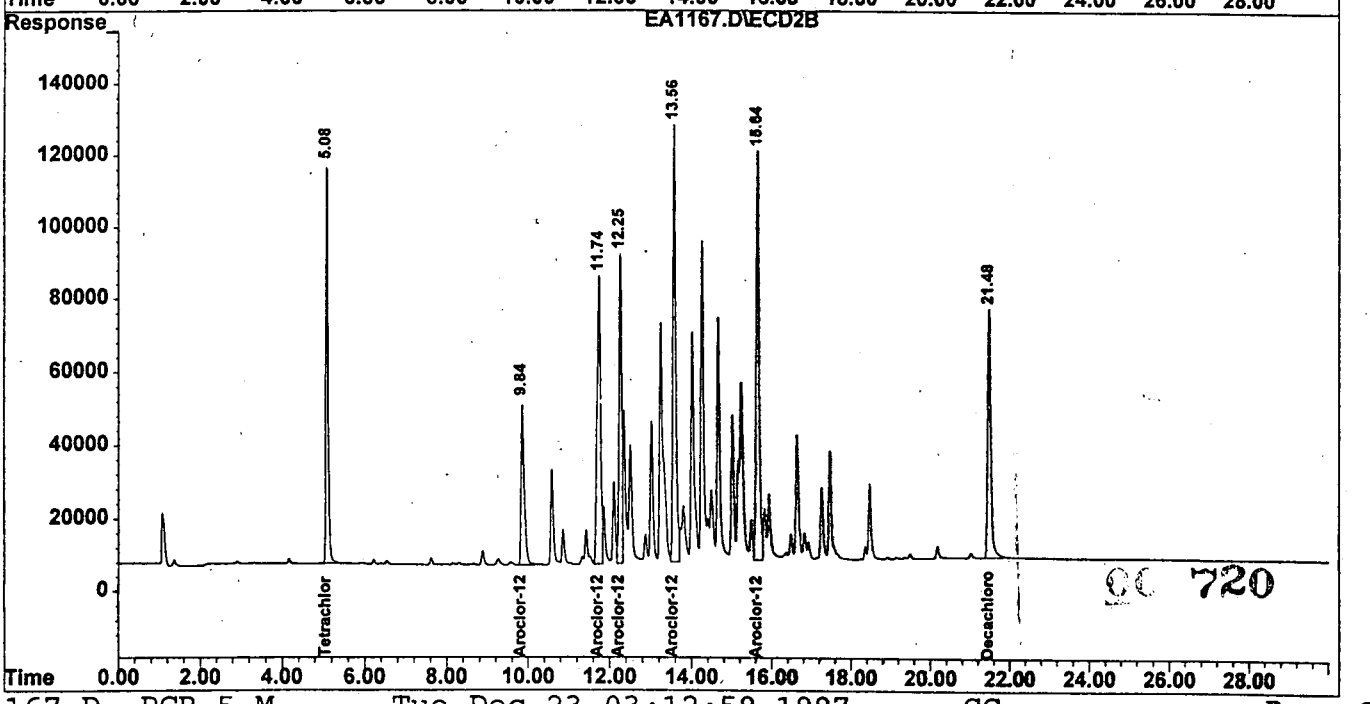
Quantitation Report

Signal #1 : F:\1\DATA_E\EA1167.D\ECD1A.CH Vial: 10
Signal #2 : F:\1\DATA_E\EA1167.D\ECD2B.CH
Acq On : 17 Nov 97 4:31 Operator:
Sample : AR1254 #5 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 17 16:10 1997 Quant Results File: PCB_5.RES

Quant Method : I:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Mon Nov 17 11:57:15 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





CC 720

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE INITIAL CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2 PRIMARY: X CONFIRMATION:
GC COLUMN USED: RTX-50

ICAL #2

ANALYTE NAME	CF #1 100 ng/ml	CF #2 400 ng/ml	CF #3 1000 ng/ml	CF #4 2000 ng/ml	CF #5 5000 ng/ml	AVERAGE CF	%RSD
Aroclor-1016-1	200.1	260.4	211.3	214.1	178.4	212.9	14.1
Aroclor-1016-2	515.8	602.9	443.7	438.5	356.5	471.5	19.6
Aroclor-1016-3	789.8	997.5	788.2	832.1	705.1	822.5	13.1
Aroclor-1016-4	263.5	339.5	273.3	271.5	252.0	280.0	12.3
Aroclor-1016-5	292.9	416.7	319.1	324.9	279.1	326.5	16.5
Aroclor-1221-1	102.1	92.2	89.1	82.9	73.6	88.0	12.1
Aroclor-1221-2	108.8	103.3	101.1	93.8	84.1	98.2	9.7
Aroclor-1221-3	358.6	322.7	306.4	279.4	246.5	302.7	14.1
Aroclor-1232-1	61.3	56.9	59.6	61.3	47.1	57.2	10.4
Aroclor-1232-2	230.4	206.0	212.2	212.9	160.5	204.4	12.8
Aroclor-1232-3	247.7	225.5	222.1	224.1	165.8	217.0	14.0
Aroclor-1232-4	361.5	351.5	362.3	383.8	296.1	351.0	9.4
Aroclor-1242-1	208.9	188.5	193.1	175.5	150.6	183.3	11.9
Aroclor-1242-2	442.8	392.5	377.7	338.7	281.7	366.7	16.5
Aroclor-1242-3	139.3	109.7	110.1	103.0	92.2	110.9	15.8
Aroclor-1242-4	164.8	174.5	187.1	171.3	163.6	172.3	5.5
Aroclor-1242-5	410.4	375.1	377.8	348.8	304.9	363.4	10.8
Aroclor-1248-1	236.3	207.4	194.8	176.6	154.9	194.0	15.9
Aroclor-1248-2	645.2	574.2	560.4	533.0	484.6	559.5	10.5
Aroclor-1248-3	452.9	450.1	429.0	389.5	345.1	413.3	11.1
Aroclor-1248-4	571.5	524.3	507.7	461.2	417.0	496.3	12.0
Aroclor-1248-5	359.4	395.3	395.2	365.8	369.4	377.0	4.5
Aroclor-1254-1	155.6	136.9	135.0	132.8	118.2	135.7	9.8
Aroclor-1254-2	469.7	415.0	376.0	354.9	302.3	383.6	16.4
Aroclor-1254-3	641.8	567.2	519.5	486.9	416.3	526.4	16.1
Aroclor-1254-4	488.5	459.0	428.4	408.3	359.7	428.8	11.5
Aroclor-1254-5	861.5	900.3	879.4	877.1	823.8	868.4	3.3
Aroclor-1260-1	508.7	653.4	497.7	517.1	425.3	520.4	15.9
Aroclor-1260-2	561.5	772.8	589.8	632.2	521.5	615.5	15.7
Aroclor-1260-3	383.5	514.7	454.5	505.0	423.7	456.3	12.1
Aroclor-1260-4	399.3	561.1	436.2	506.2	427.0	465.9	14.2
Aroclor-1260-5	1049.3	1579.6	1207.8	1355.9	1253.0	1289.1	15.2
Tetrachloro-m-xylene	8637.2	9356.2	8688.6	10088.8	9742.7	9302.7	6.9
Decachlorobiphenyl	13848.7	15496.2	13823.0	16813.3	15529.0	15102.0	8.4

Surrogate concentrations are 10 ng/ml, 25 ng/ml, 50 ng/ml, 100 ng/ml and 200 ng/ml at each CF level, respectively.
Tetrachloro-m-xylene and Decachlorobiphenyl surrogate responses taken from the Aroclor-1016/1260 standards.

PCB11172.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE INITIAL CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2 PRIMARY: CONFIRMATION: X
GC COLUMN USED: RTX-1701

ANALYTE NAME	CF #1 100 ng/ml	CF #2 400 ng/ml	CF #3 1000 ng/ml	CF #4 2000 ng/ml	CF #5 5000 ng/ml	AVERAGE CF	%RSD
Aroclor-1016-1	318.9	365.3	276.6	273.1	221.2	291.0	18.6
Aroclor-1016-2	612.0	709.7	518.3	544.6	445.9	566.1	17.7
Aroclor-1016-3	276.5	344.3	250.1	258.2	210.6	267.9	18.3
Aroclor-1016-4	265.1	324.6	238.9	252.4	201.6	256.5	17.5
Aroclor-1016-5	142.5	188.2	140.1	148.7	117.9	147.5	17.3
Aroclor-1221-1	118.0	100.3	95.6	89.0	80.1	96.6	14.7
Aroclor-1221-2	83.9	74.9	71.3	65.2	57.3	70.5	14.2
Aroclor-1221-3	312.1	261.3	240.5	216.8	188.9	243.9	19.2
Aroclor-1232-1	173.1	147.0	149.8	146.0	107.6	144.7	16.3
Aroclor-1232-2	48.3	40.8	42.2	43.8	33.8	41.8	12.7
Aroclor-1232-3	90.4	84.4	82.1	85.1	74.5	83.3	7.0
Aroclor-1232-4	56.7	56.4	58.6	62.3	48.9	56.6	8.7
Aroclor-1242-1	309.8	272.5	257.4	224.5	185.2	249.9	19.0
Aroclor-1242-2	94.6	77.0	78.5	71.4	62.2	76.8	15.5
Aroclor-1242-3	180.2	164.0	168.4	155.5	138.4	161.3	9.7
Aroclor-1242-4	275.5	241.6	242.5	214.1	183.3	231.4	15.0
Aroclor-1242-5	96.1	90.7	91.8	86.7	81.6	89.4	6.1
Aroclor-1248-1	524.4	447.0	412.5	371.3	327.3	416.5	18.0
Aroclor-1248-2	419.4	369.3	342.4	300.4	262.8	338.9	17.9
Aroclor-1248-3	376.1	333.3	320.0	290.3	263.0	316.5	13.6
Aroclor-1248-4	333.8	292.6	266.6	239.5	212.9	269.1	17.4
Aroclor-1248-5	145.1	134.5	127.3	117.2	105.6	126.0	12.1
Aroclor-1254-1	283.5	243.1	217.3	198.9	168.0	222.2	19.7
Aroclor-1254-2	529.4	457.0	406.8	378.9	323.4	419.1	18.7
Aroclor-1254-3	186.2	160.4	145.2	137.5	120.4	149.9	16.6
Aroclor-1254-4	616.9	526.1	480.2	460.9	402.5	497.3	16.1
Aroclor-1254-5	571.5	499.8	463.9	456.7	403.8	479.2	12.9
Aroclor-1260-1	363.6	433.7	313.9	328.3	264.7	340.8	18.5
Aroclor-1260-2	398.0	513.4	385.0	408.1	328.1	406.5	16.6
Aroclor-1260-3	451.9	592.8	510.4	567.8	455.8	515.7	12.4
Aroclor-1260-4	621.7	771.1	550.1	619.8	568.1	626.1	13.9
Aroclor-1260-5	348.8	560.3	464.6	528.0	460.0	472.3	17.2
Tetrachloro-m-xylene	6225.1	6218.1	5544.6	6335.8	5890.1	6042.7	5.4
Decachlorobiphenyl	7833.2	8795.5	7605.4	9079.7	8223.9	8307.5	7.5

Surrogate concentrations are 10 ng/ml, 25 ng/ml, 50 ng/ml, 100 ng/ml and 200 ng/ml at each CF level, respectively.
Tetrachloro-m-xylene and Decachlorobiphenyl surrogate responses taken from the Aroclor-1016/1260 standards.

PCB11172.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0132.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_B\BA0132.D\ECD2B.CH
Acq On : 28 Oct 97 1:03 Operator:
Sample : AR1248 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:48 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.14	93943	67885	4.487	5.384
Spiked Amount 50.000 Range 43 - 150 Recovery =					8.97%#	10.77%#
22) SA Decachlorobiphen	29.62	24.93	221305	103775	10.152	11.847
Spiked Amount 50.000 Range 24 - 154 Recovery =					20.30%#	23.69%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	10.63	10.51	23632	52435	113.130m	131.848
41) L5 Aroclor-1248{2}	11.96	12.45	64524	41942	108.803m	129.073
4) L5 Aroclor-1248{3}	13.28	12.76	45289	37614	101.844	123.418
4) L5 Aroclor-1248{4}	14.17	13.69	57149	33379	107.799	131.495
44) L5 Aroclor-1248{5}	16.20	15.77	35937	14514	87.268	118.483 #
Sum Aroclor-1248			226531	179885	518.844	634.318
Average Aroclor-1248					103.769	126.864
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

00 723

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0132.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_B\BA0132.D\ECD2B.CH
Acq On : 28 Oct 97 1:03 Operator:
Sample : AR1248 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:48 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

724

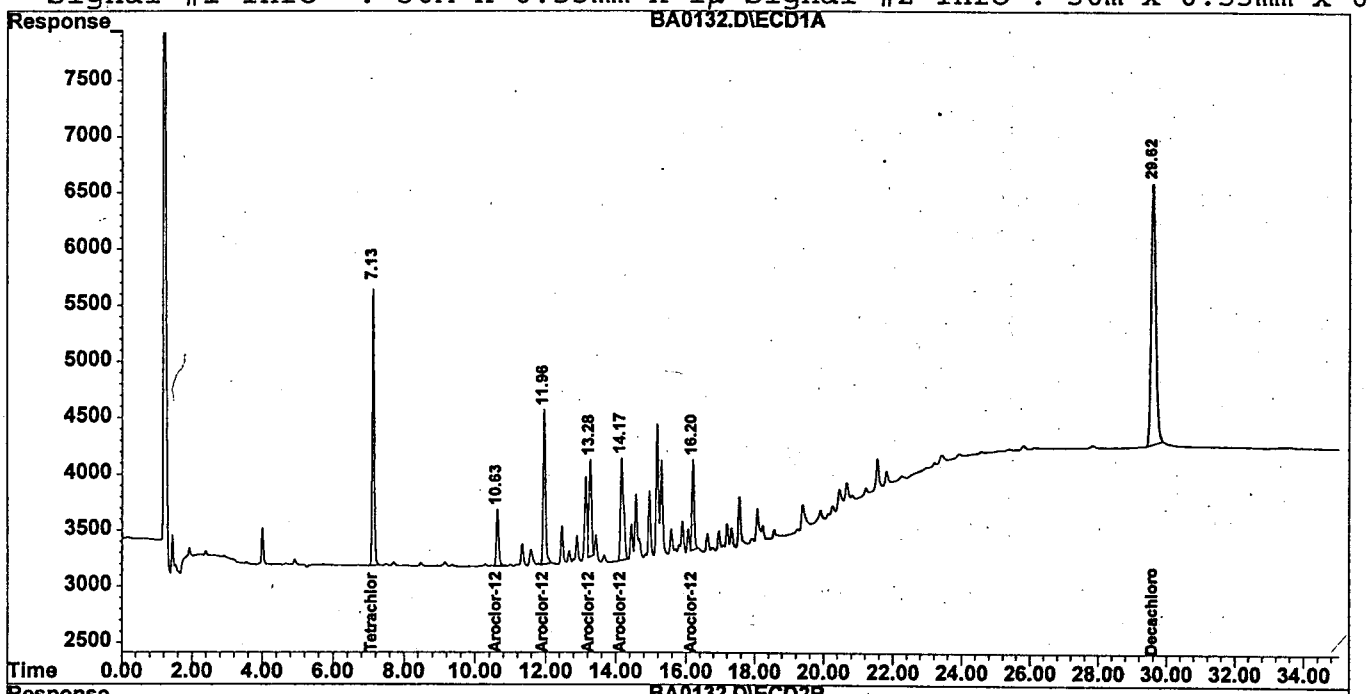
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

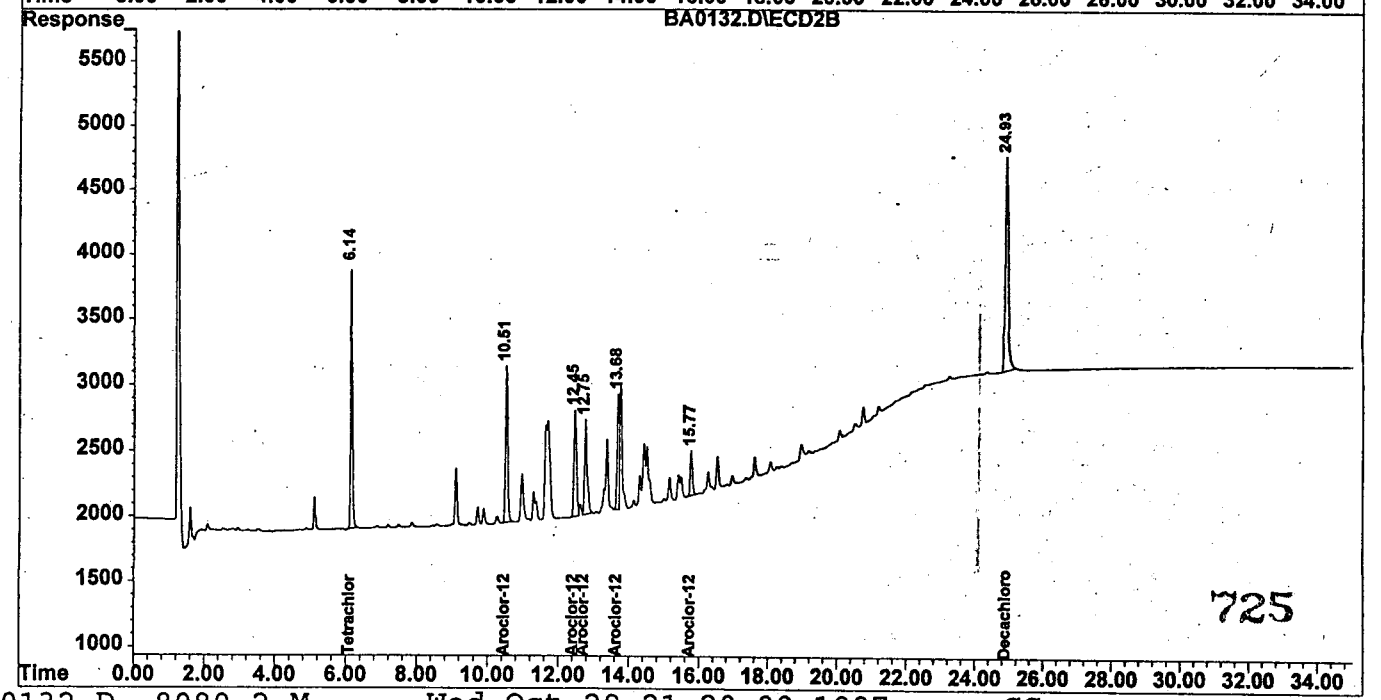
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0132.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_B\BA0132.D\ECD2B.CH
Acq On : 28 Oct 97 1:03 Operator:
Sample : AR1248 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:48 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





725

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0133.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_B\BA0133.D\ECD2B.CH
Acq On : 28 Oct 97 1:41 Operator:
Sample : AR1248 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:50 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.14	242742	167457	11.594	13.281
Spiked Amount 50.000 Range 43 - 150 Recovery =					23.19%#	26.56%#
22) SA Decachlorobiphen	29.62	24.93	561323	251490	25.749	28.711
Spiked Amount 50.000 Range 24 - 154 Recovery =					51.50%	57.42%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	10.63	10.51	82949	178813	397.091	449.630
41) L5 Aroclor-1248{2}	11.96	12.45	229681	147722	387.298	454.599
42) L5 Aroclor-1248{3}	13.28	12.75	180021	133329	404.824	437.474
43) L5 Aroclor-1248{4}	14.17	13.68	209725	117035	395.602	461.048
44) L5 Aroclor-1248{5}	16.20	15.77	158122	53792	383.973m	439.109
Sum Aroclor-1248			860497	630690	1968.788	2241.860
Average Aroclor-1248					393.758	448.372
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

00 726

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0133.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_B\BA0133.D\ECD2B.CH
Acq On : 28 Oct 97 1:41 Operator:
Sample : AR1248 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:50 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

00 727

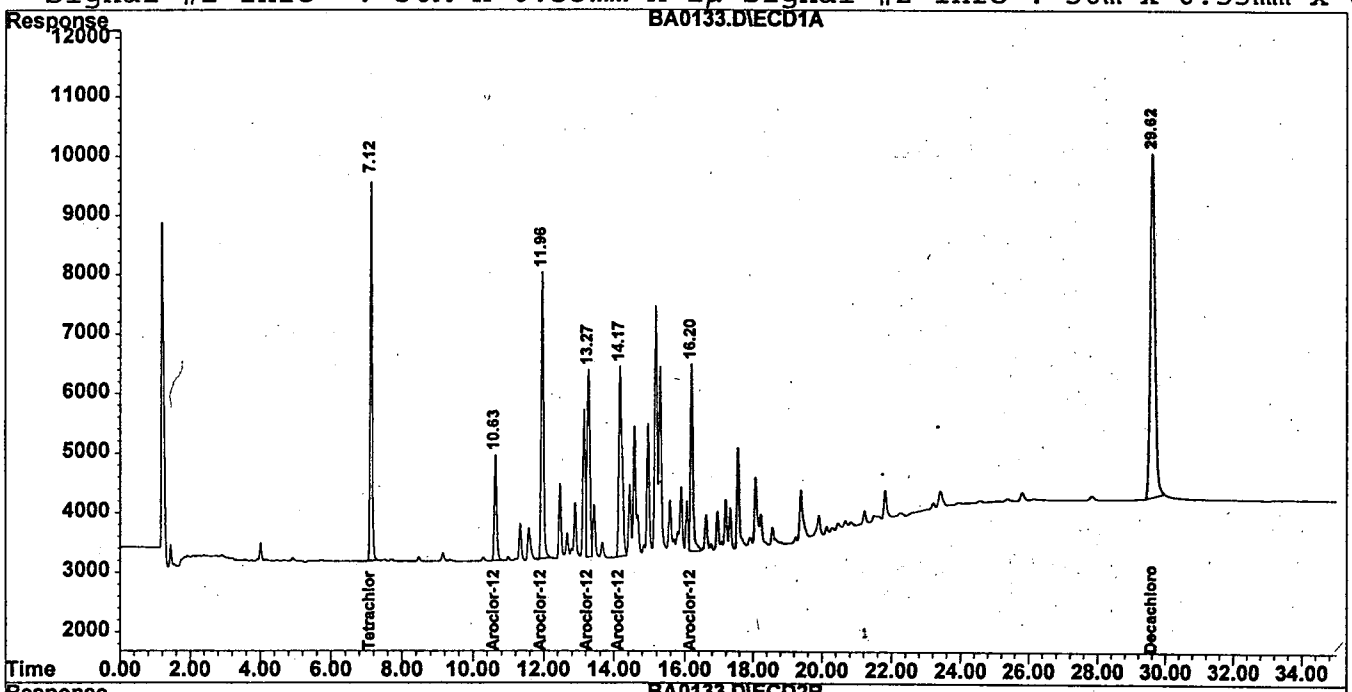
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

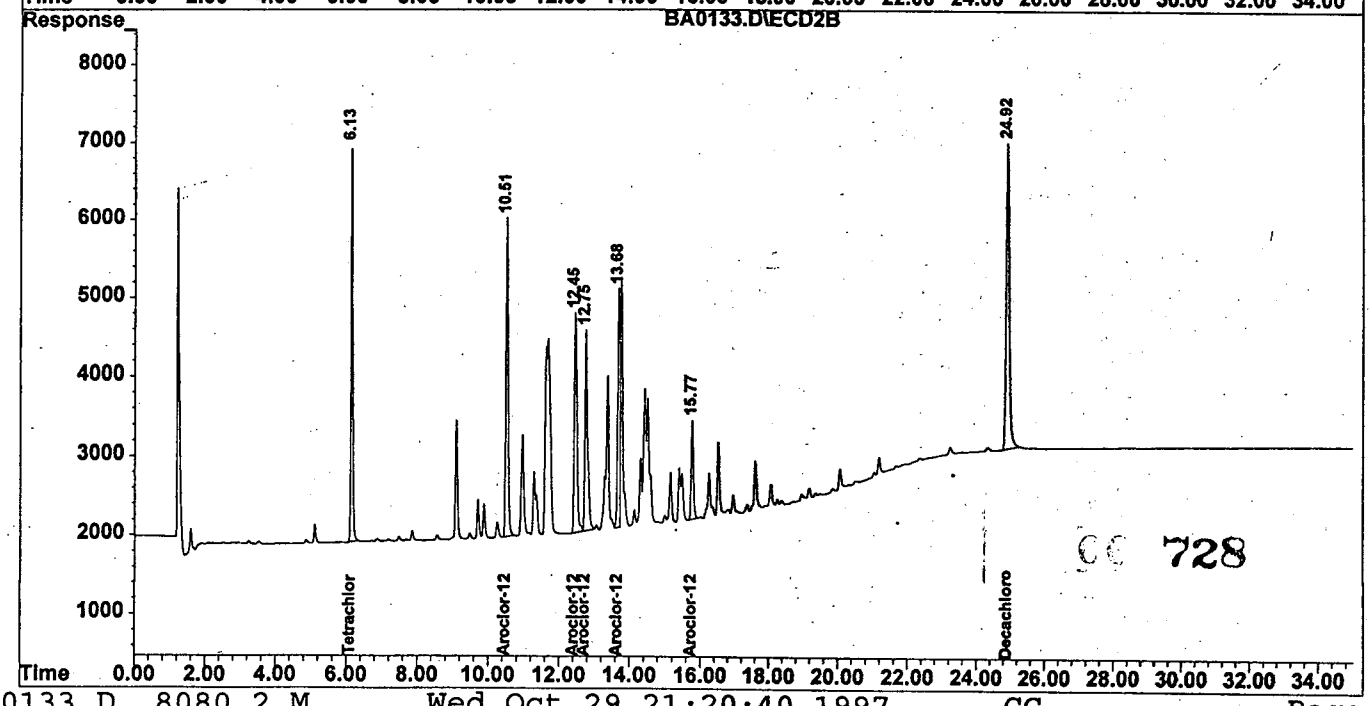
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0133.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_B\BA0133.D\ECD2B.CH
Acq On : 28 Oct 97 1:41 Operator:
Sample : AR1248 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:50 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





CC 728

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0134.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_B\BA0134.D\ECD2B.CH
Acq On : 28 Oct 97 2:20 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:52 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.12	6.13	508379	341401	24.282	27.077
Spiked Amount 50.000 Range 43 - 150 Recovery =					48.56%	54.15%
22) SA Decachlorobiphen	29.63	24.92	1153311	486843	52.904	55.580
Spiked Amount 50.000 Range 24 - 154 Recovery =					105.81%	111.16%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	10.62	10.51	194841	412542	932.736	1037.348
41) L5 Aroclor-1248{2}	11.96	12.45	560350	342448	944.886	1053.851
42) L5 Aroclor-1248{3}	13.27	12.75	428979	319954	964.672	1049.820
43) L5 Aroclor-1248{4}	14.17	13.68	507668	266645	957.610	1050.423
44) L5 Aroclor-1248{5}	16.20	15.77	395216	127269	959.717m	1038.909
Sum Aroclor-1248			2087054	1468858	4759.622	5230.351
Average Aroclor-1248					951.924	1046.070
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

QC 729

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0134.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_B\BA0134.D\ECD2B.CH
Acq On : 28 Oct 97 2:20 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:52 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

730

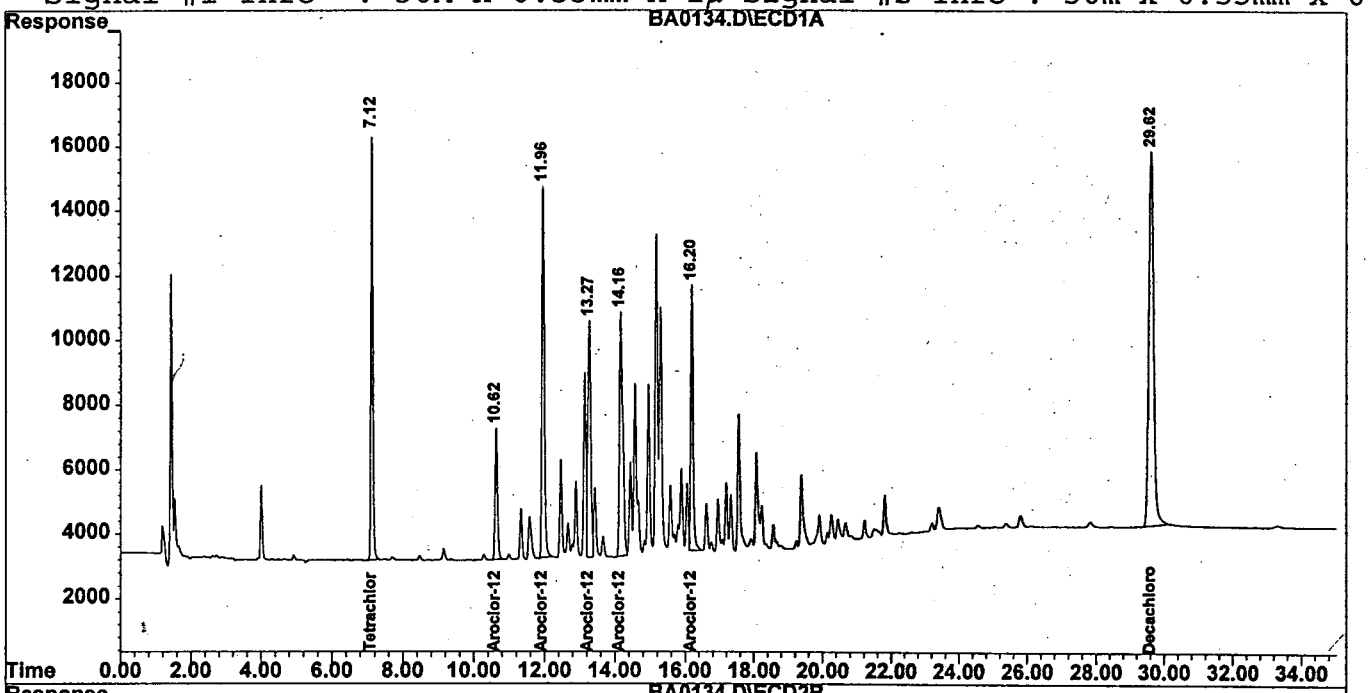
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

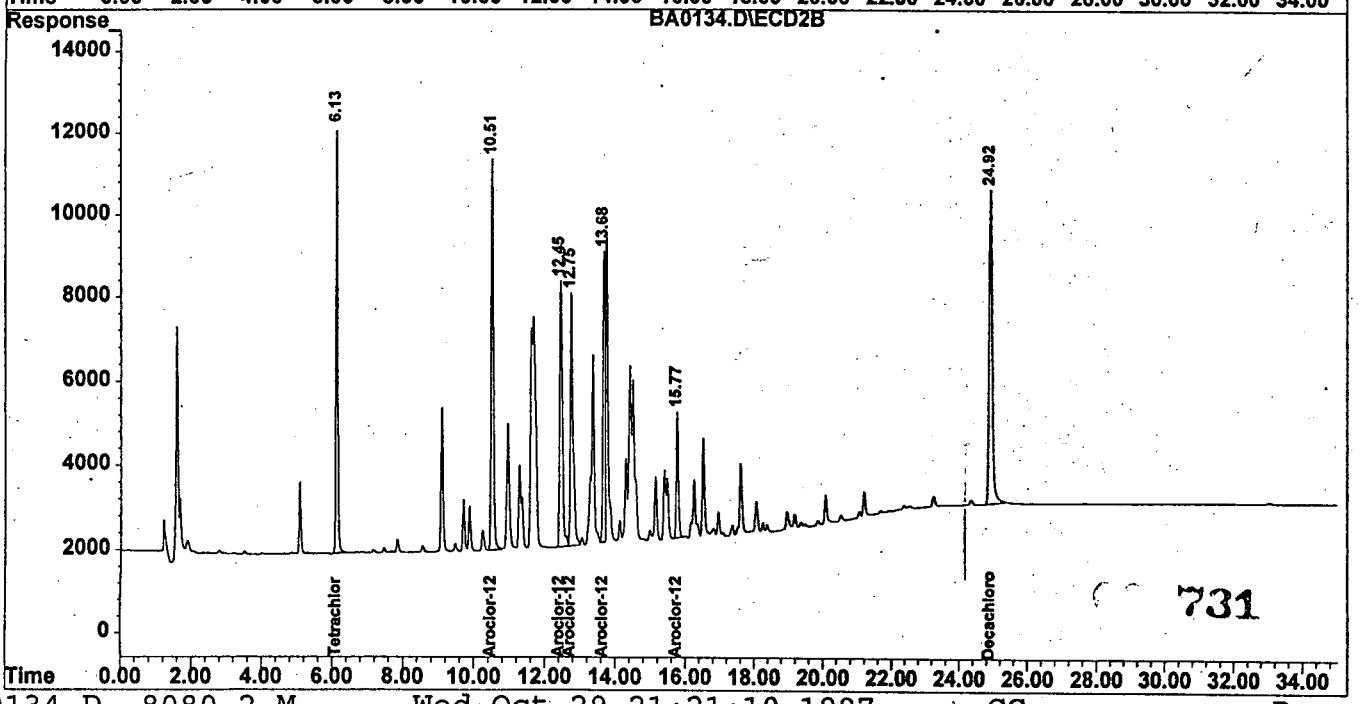
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0134.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_B\BA0134.D\ECD2B.CH
Acq On : 28 Oct 97 2:20 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 13:52 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





731

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0135.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_B\BA0135.D\ECD2B.CH
Acq On : 28 Oct 97 2:58 Operator:
Sample : AR1248 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:02 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.13	1006734	648757	48.085	51.454
Spiked Amount 50.000 Range 43 - 150 Recovery =					96.17%	102.91%
22) SA Decachlorobiphen	29.62	24.92	2215938	883607	101.649	100.876
Spiked Amount 50.000 Range 24 - 154 Recovery =					203.30%#	201.75%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	10.62	10.51	353121	742624	1690.448	1867.345
41) L5 Aroclor-1248{2}	11.96	12.45	1065948	600831	1797.447	1848.997
42) L5 Aroclor-1248{3}	13.27	12.75	779089	580652	1751.987	1905.213
43) L5 Aroclor-1248{4}	14.17	13.68	922388	478954	1739.893	1886.799
44) L5 Aroclor-1248{5}	16.20	15.77	731544	234494	1776.435	1914.196
Sum Aroclor-1248			3852090	2637555	8756.210	9422.550
Average Aroclor-1248					1751.242	1884.510
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

QC 732

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0135.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0135.D\ECD2B.CH
Acq On : 28 Oct 97 2:58
Sample : AR1248 #4
Misc :
IntFile Signal #1: EVENTS.E
Quant Time: Oct 28 14:02 1997

Vial: 14
Operator:
Inst : GC_5890_2
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701
Signal #1 Info : 30M X 0.53mm x 1µ
Signal #2 Phase: DB608
Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

733

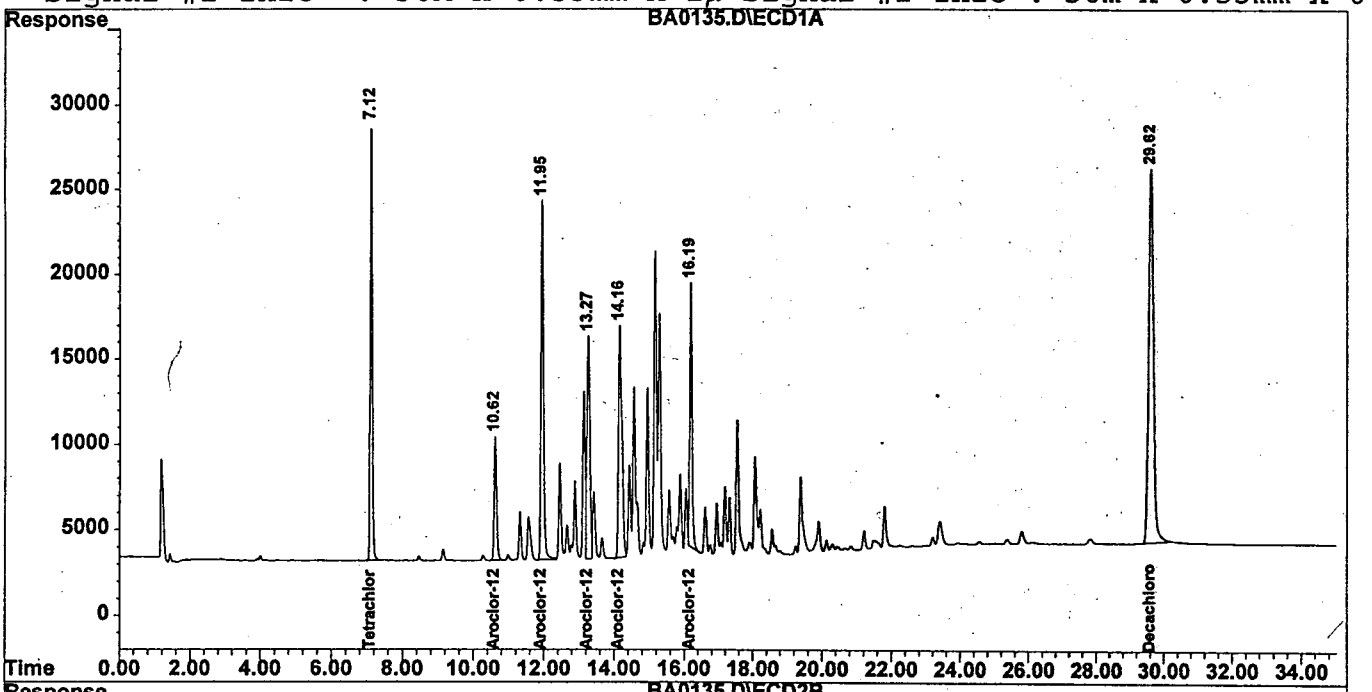
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

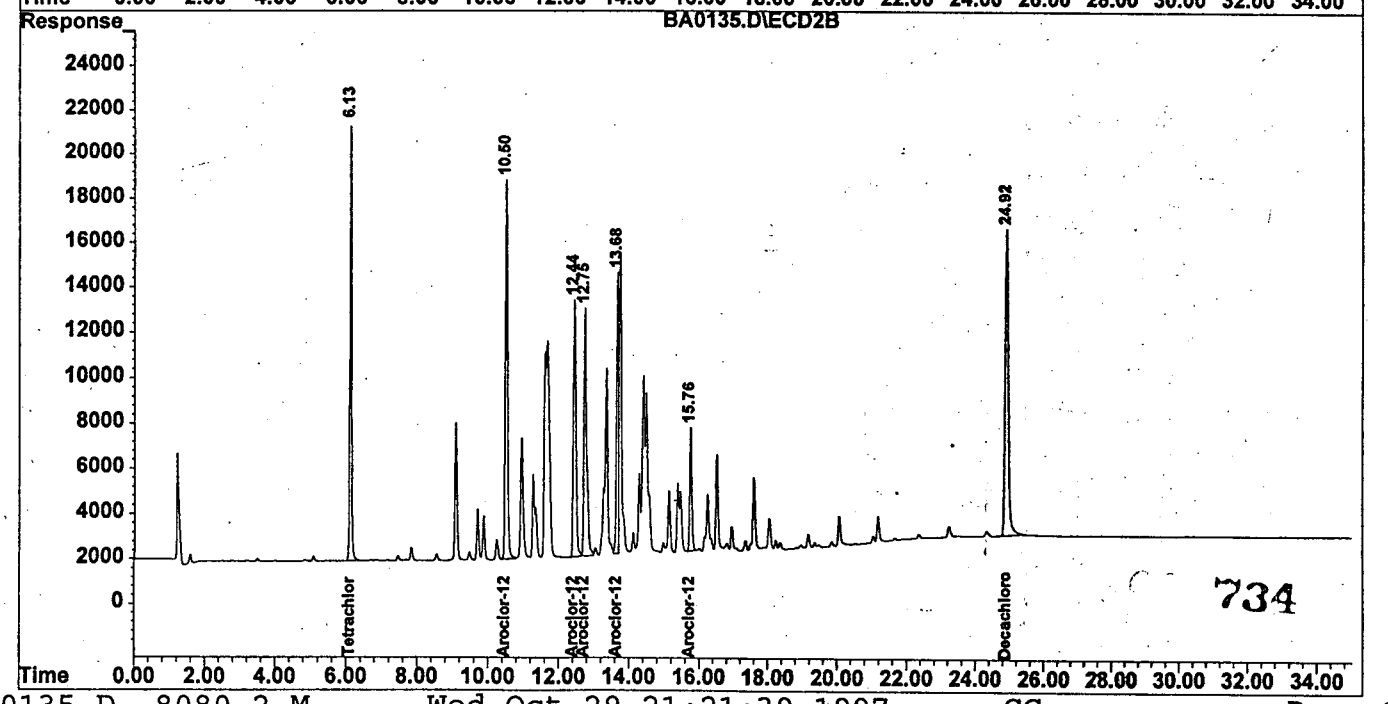
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0135.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_B\BA0135.D\ECD2B.CH
Acq On : 28 Oct 97 2:58 Operator:
Sample : AR1248 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:02 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





734

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0136.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_B\BA0136.D\ECD2B.CH
Acq On : 28 Oct 97 3:37 Operator:
Sample : AR1248 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:05 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.13	2014716	1264959	96.230	100.325
Spiked Amount 50.000 Range 43 - 150 Recovery =					192.46%#	200.65%#
22) SA Decachlorobiphen	29.62	24.92	4404234	1661208	202.030	189.650
Spiked Amount 50.000 Range 24 - 154 Recovery =					404.06%#	379.30%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	10.62	10.51	774418	1636564	3707.260	4115.178
41) L5 Aroclor-1248{2}	11.95	12.45	2422991	1314056	4085.754	4043.878
42) L5 Aroclor-1248{3}	13.27	12.75	1725634	1314790	3880.545	4314.036
43) L5 Aroclor-1248{4}	14.16	13.68	2085108	1064458	3933.121	4193.340
44) L5 Aroclor-1248{5}	16.19	15.77	1847003	528104	4485.144	4310.963
Sum Aroclor-1248			8855155	5857972	20091.825	20977.395
Average Aroclor-1248					4018.365	4195.479
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

735

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0136.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_B\BA0136.D\ECD2B.CH
Acq On : 28 Oct 97 3:37 Operator:
Sample : AR1248 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:05 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

736

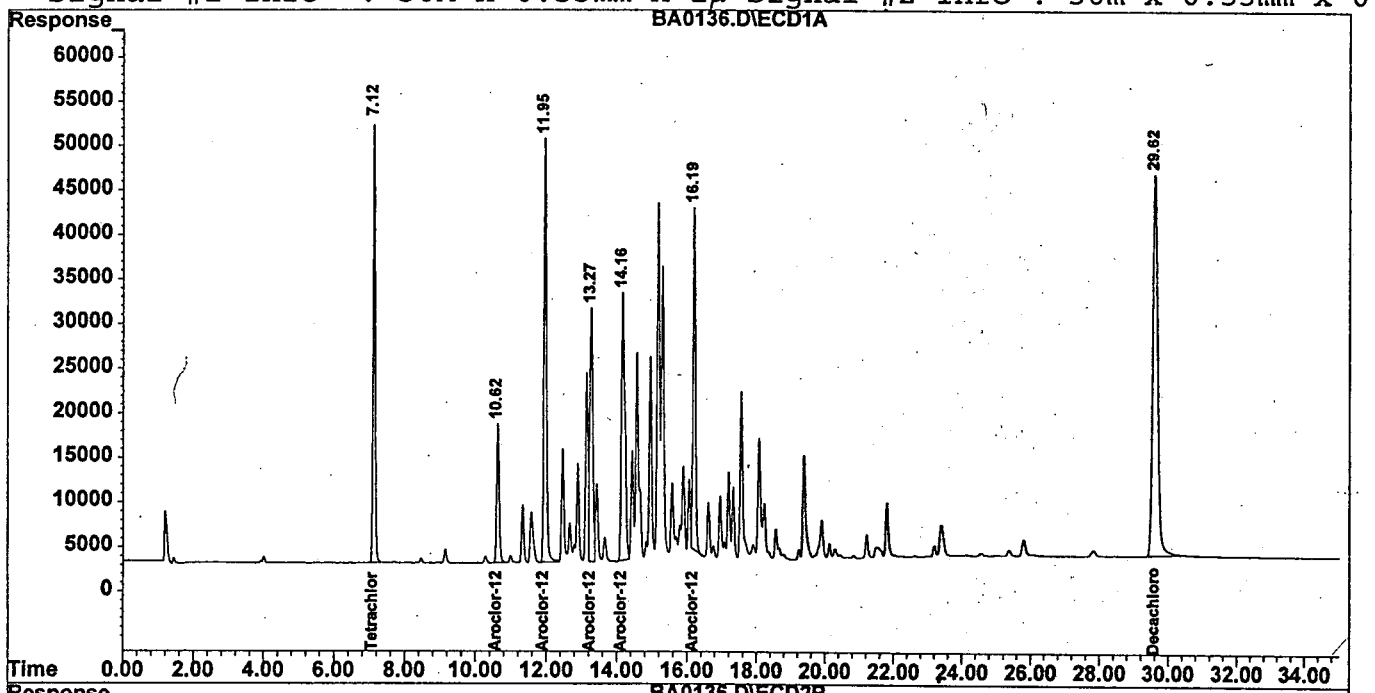
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

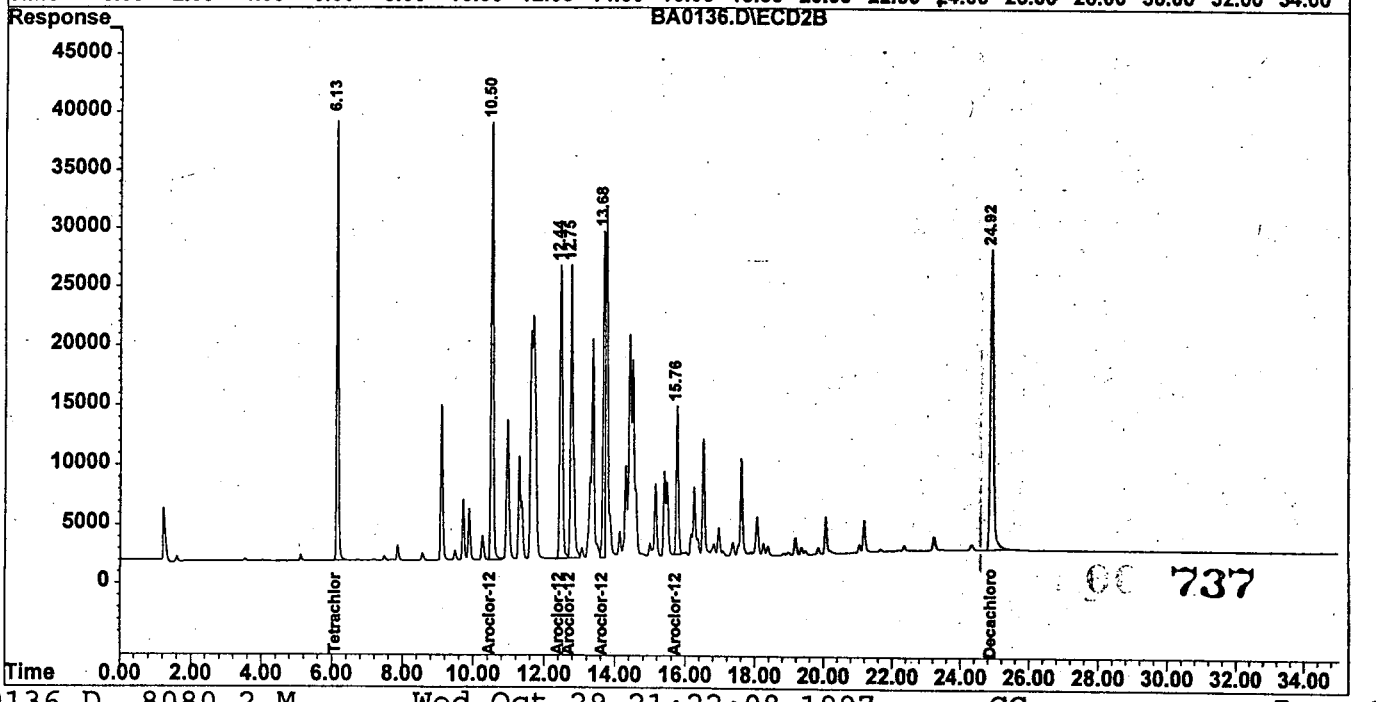
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0136.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_B\BA0136.D\ECD2B.CH
Acq On : 28 Oct 97 3:37 Operator:
Sample : AR1248 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:05 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





GC 737

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0137.D\ECD1A.CH Vial: 16
Signal #2 : F:\1\DATA_B\BA0137.D\ECD2B.CH
Acq On : 28 Oct 97 4:16 Operator:
Sample : AR1242 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:10 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.13	88227	64014	4.214	5.077
Spiked Amount 50.000 Range 43 - 150 Recovery =					8.43%#	10.15%#
22) SA Decachlorobiphen	29.62	24.92	207969	94006	9.540	10.732
Spiked Amount 50.000 Range 24 - 154 Recovery =					19.08%#	21.46%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	9.15	9.09	20889	30979	104.580	126.240
36) L4 Aroclor-1242{2}	10.63	10.25	44283	9463	110.018	126.456
) L4 Aroclor-1242{3}	11.33	11.28	13931	18021	117.949	114.095
38) L4 Aroclor-1242{4}	12.89	12.45	16480	27553	89.586	120.968 #
39) L4 Aroclor-1242{5}	14.17	14.42	41037	9609	103.862	110.206
Sum Aroclor-1242			136620	95624	525.994	597.965
erage Aroclor-1242					105.199	119.593
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
erage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
erage Toxaphene					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
BA0137.D 8080_2.M Wed Oct 29 21:22:32 1997 GC Page 1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0137.D\ECD1A.CH Vial: 16
Signal #2 : F:\1\DATA_B\BA0137.D\ECD2B.CH
Acq On : 28 Oct 97 4:16 Operator:
Sample : AR1242 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:10 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

Quantitation Report

Signal #1 : F:\1\DATA_B\BA0137.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0137.D\ECD2B.CH
Acq On : 28 Oct 97 4:16
Sample : AR1242 #1
Misc :

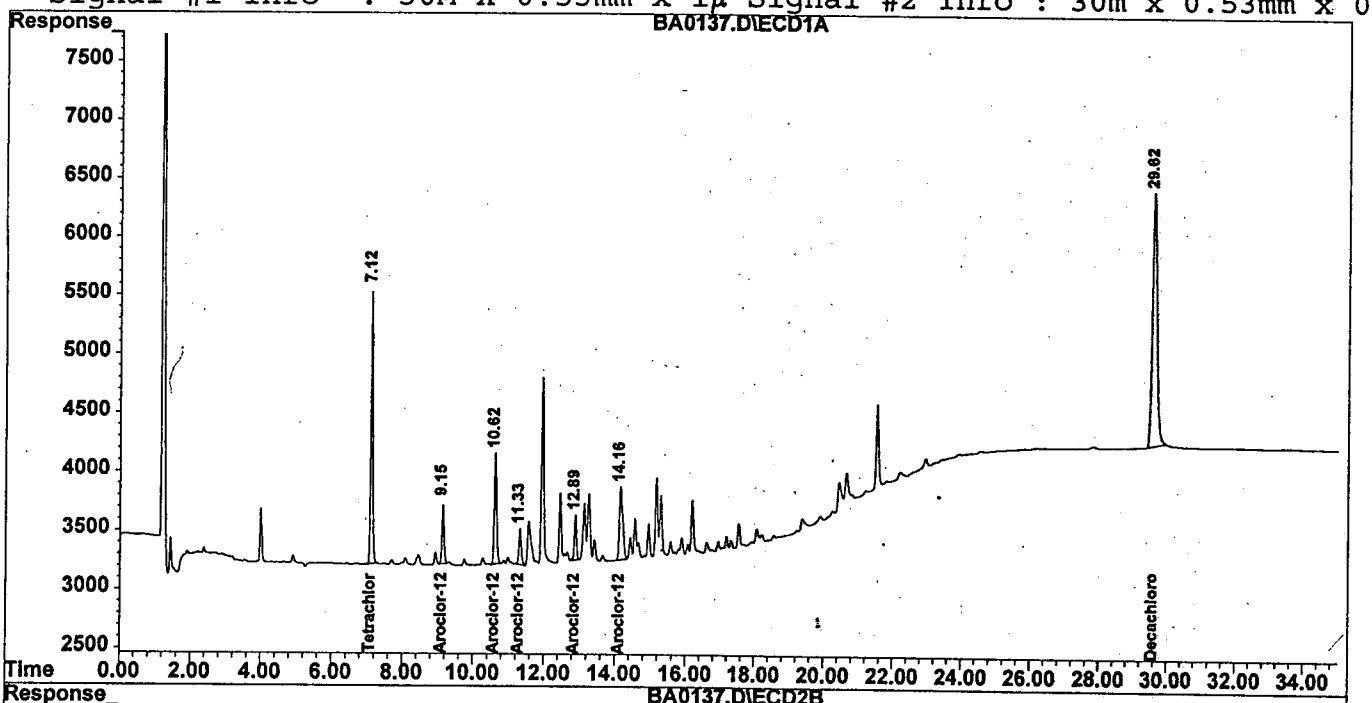
Vial: 16

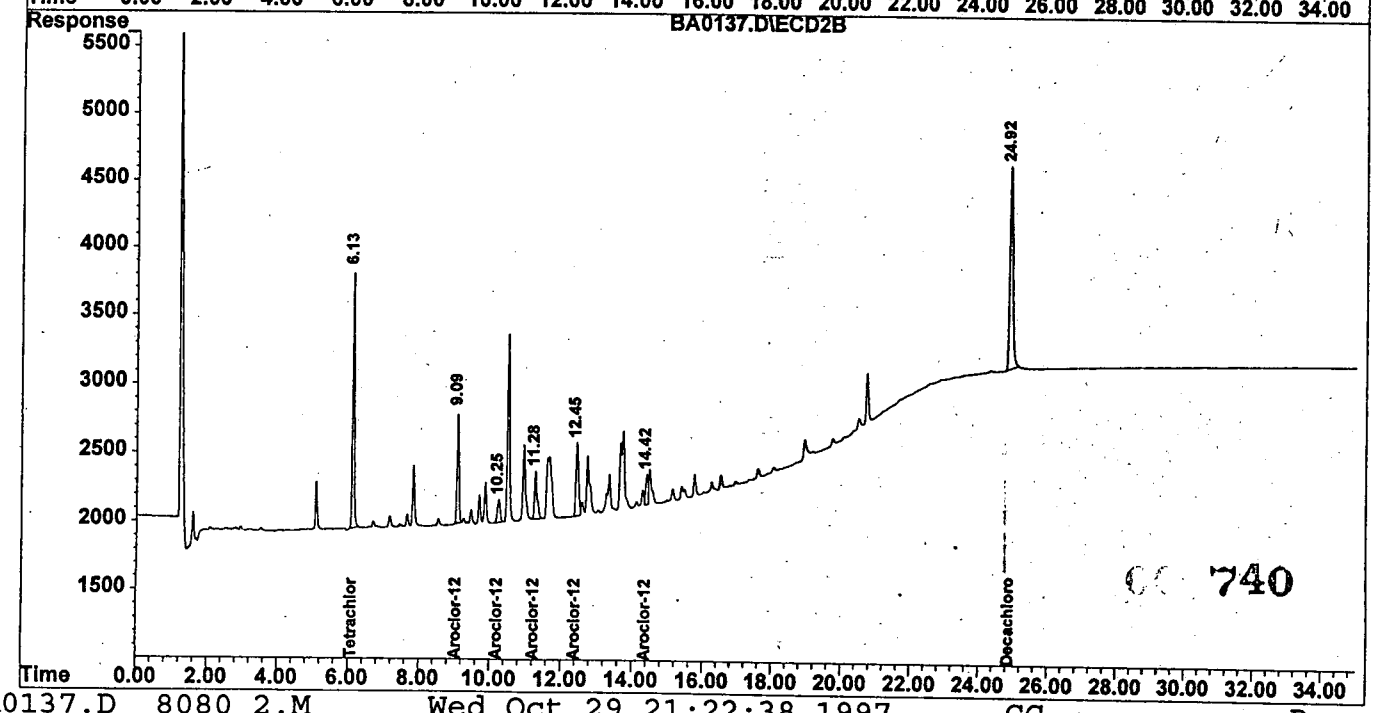
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:10 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





740

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0138.D\ECD1A.CH Vial: 17
Signal #2 : F:\1\DATA_B\BA0138.D\ECD2B.CH
Acq On : 28 Oct 97 4:54 Operator:
Sample : AR1242 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:12 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.13	235085	161128	11.228	12.779
Spiked Amount 50.000 Range 43 - 150 Recovery =					22.46%#	25.56%#
22) SA Decachlorobiphen	29.62	24.92	547054	239258	25.094	27.315
Spiked Amount 50.000 Range 24 - 154 Recovery =					50.19%	54.63%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	9.15	9.09	75385	108998	377.415	444.173
) L4 Aroclor-1242{2}	10.62	10.25	157012	30819	390.083	411.868
) L4 Aroclor-1242{3}	11.33	11.28	43885	65602	371.568	415.340
38) L4 Aroclor-1242{4}	12.89	12.45	69819	96641	379.545	424.287
39) L4 Aroclor-1242{5}	14.17	14.42	150037	36265	379.732	415.947
Sum Aroclor-1242			496138	338325	1898.344	2111.614
erage Aroclor-1242					379.669	422.323
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
erage Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
erage Toxaphene					0.000	0.000

741

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0138.D\ECD1A.CH Vial: 17
Signal #2 : F:\1\DATA_B\BA0138.D\ECD2B.CH
Acq On : 28 Oct 97 4:54 Operator:
Sample : AR1242 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:12 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

742

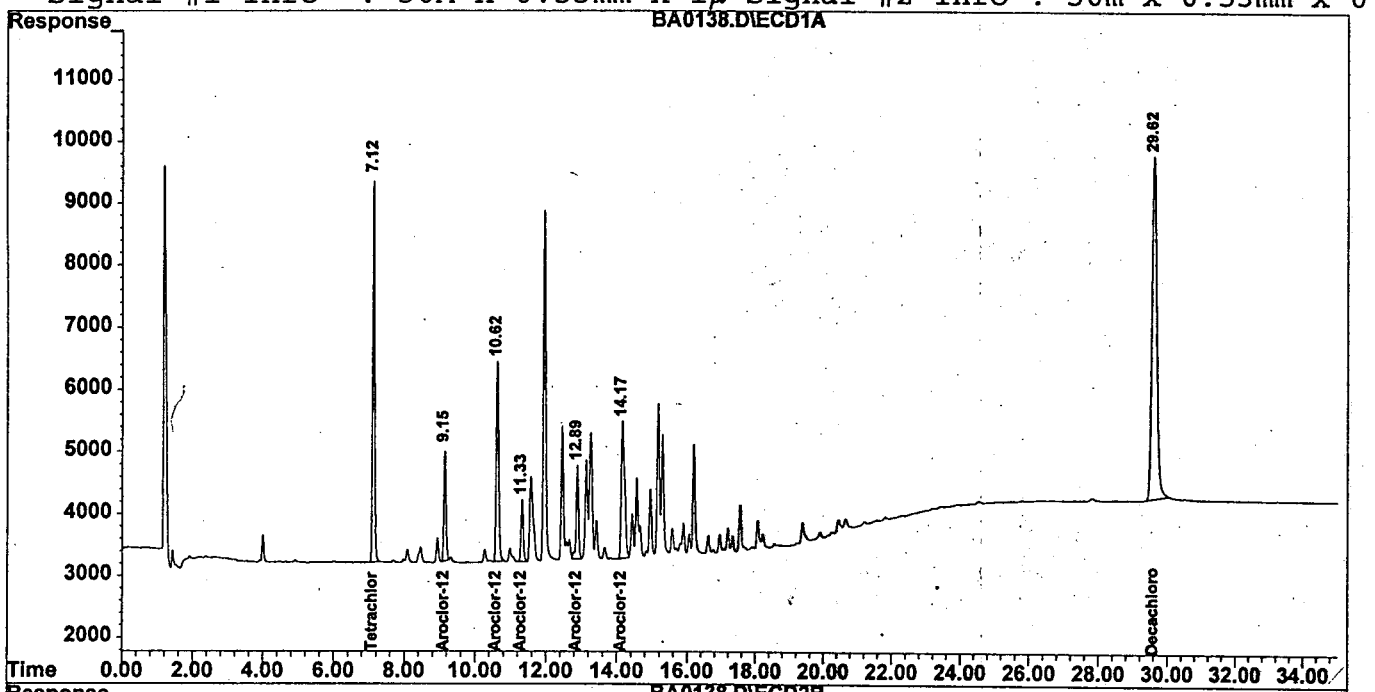
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

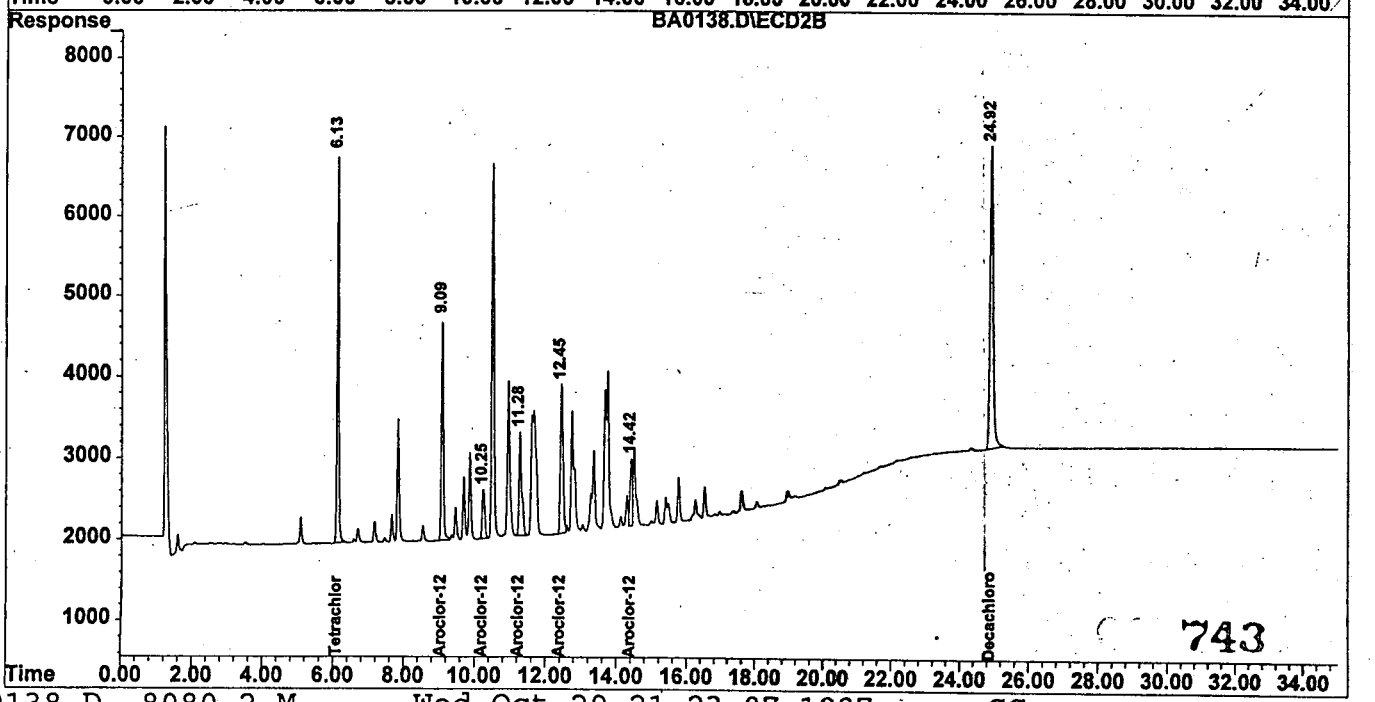
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0138.D\ECD1A.CH Vial: 17
Signal #2 : F:\1\DATA_B\BA0138.D\ECD2B.CH
Acq On : 28 Oct 97 4:54 Operator:
Sample : AR1242 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:12 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





743

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0139.D\ECD1A.CH Vial: 18
Signal #2 : F:\1\DATA_B\BA0139.D\ECD2B.CH
Acq On : 28 Oct 97 5:33 Operator:
Sample : AR1242 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.13	513977	342020	24.549	27.126
Spiked Amount 50.000 Range 43 - 150 Recovery =					49.10%	54.25%
22) SA Decachlorobiphen	29.62	24.92	1161795	486855	53.294	55.581
Spiked Amount 50.000 Range 24 - 154 Recovery =					106.59%	111.16%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	9.15	9.09	193090	257438	966.699	1049.079
36) L4 Aroclor-1242{2}	10.62	10.25	377702	78509	938.369	1049.185
37) L4 Aroclor-1242{3}	11.33	11.28	110066	168374	931.910	1066.017
38) L4 Aroclor-1242{4}	12.89	12.45	187083	242539	1017.012	1064.830
39) L4 Aroclor-1242{5}	14.17	14.42	377776	91827	956.120	1053.215
Sum Aroclor-1242			1245716	838688	4810.109	5282.326
Average Aroclor-1242					962.022	1056.465
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

744

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0139.D\ECD1A.CH Vial: 18
Signal #2 : F:\1\DATA_B\BA0139.D\ECD2B.CH
Acq On : 28 Oct 97 5:33 Operator:
Sample : AR1242 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

745

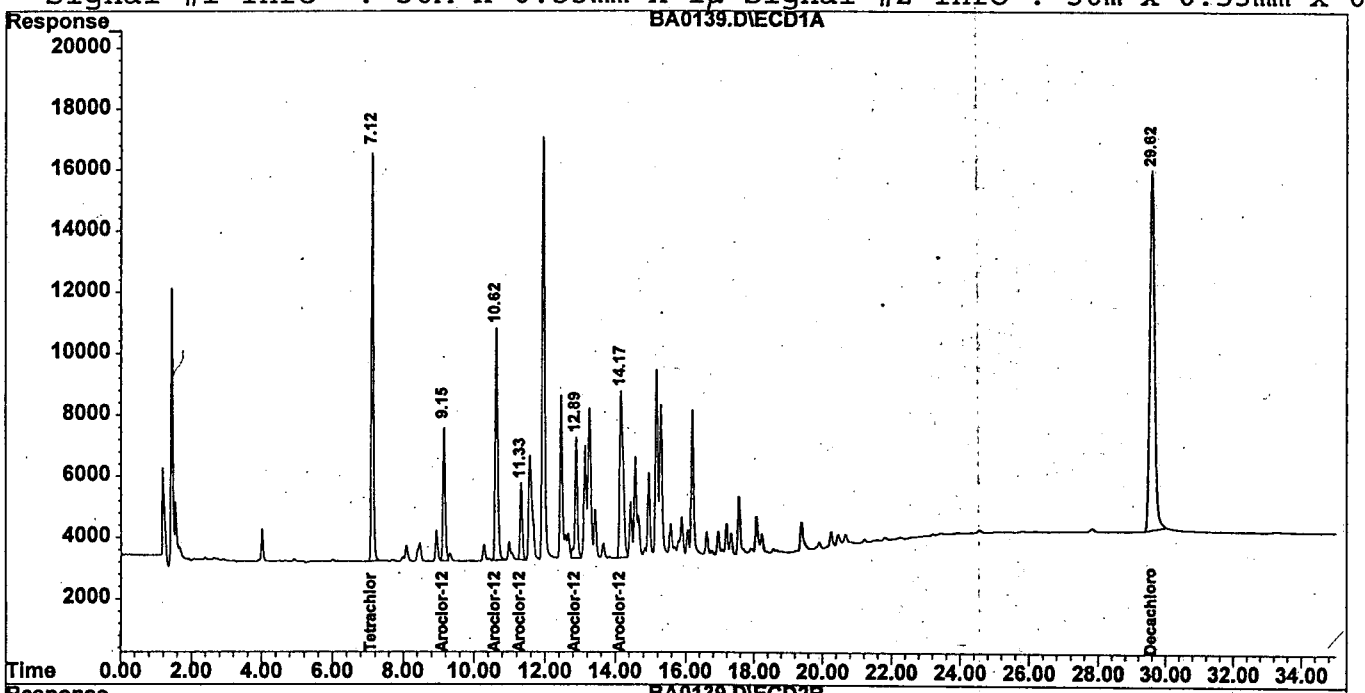
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

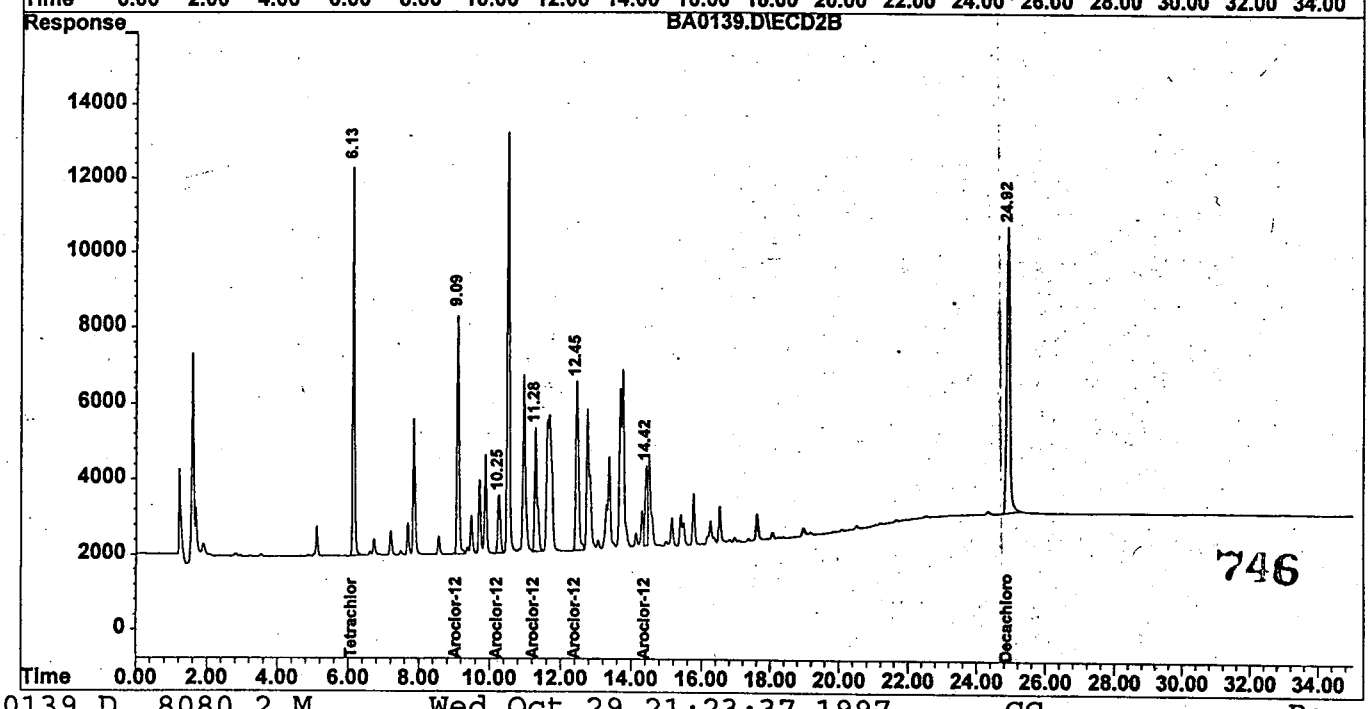
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0139.D\ECD1A.CH Vial: 18
Signal #2 : F:\1\DATA_B\BA0139.D\ECD2B.CH
Acq On : 28 Oct 97 5:33 Operator:
Sample : AR1242 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





746

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0140.D\ECD1A.CH Vial: 19
Signal #2 : F:\1\DATA_B\BA0140.D\ECD2B.CH
Acq On : 28 Oct 97 6:12 Operator:
Sample : AR1242 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.12	1007969	651601	48.144	51.679
Spiked Amount 50.000 Range 43 - 150 Recovery =					96.29%	103.36%
22) SA Decachlorobiphen	29.62	24.92	2244878	883940	102.977	100.914
Spiked Amount 50.000 Range 24 - 154 Recovery =					205.95%#	201.83%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	9.15	9.08	351030	449007	1757.420	1829.735
36) L4 Aroclor-1242{2}	10.62	10.24	677368	142849	1682.862	1909.014
3[illegible]) L4 Aroclor-1242{3}	11.33	11.28	205991	310980	1744.098	1968.887
3[illegible]) L4 Aroclor-1242{4}	12.89	12.44	342548	428161	1862.148	1879.771
39) L4 Aroclor-1242{5}	14.17	14.42	697554	173408	1765.451	1988.923
Sum Aroclor-1242			2274491	1504405	8811.978	9576.329
Average Aroclor-1242					1762.396	1915.266
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

747

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0140.D\ECD1A.CH Vial: 19
Signal #2 : F:\1\DATA_B\BA0140.D\ECD2B.CH
Acq On : 28 Oct 97 6:12 Operator:
Sample : AR1242 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

748

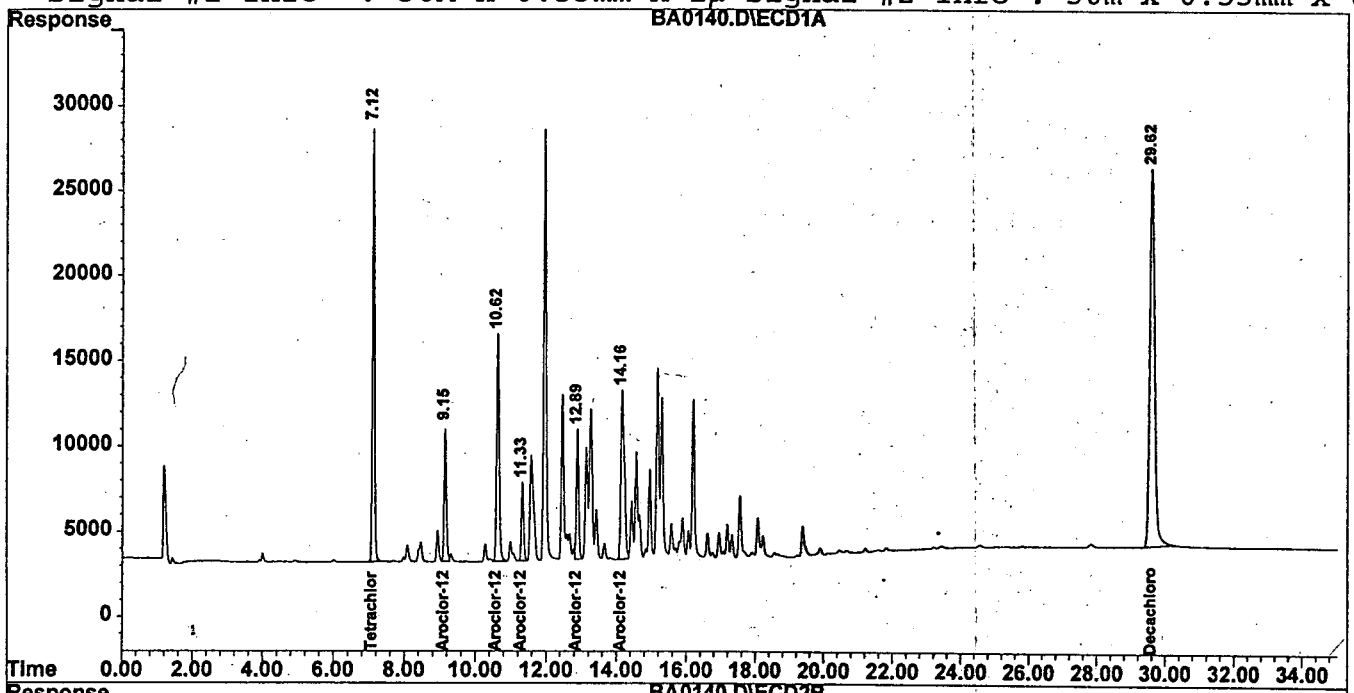
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

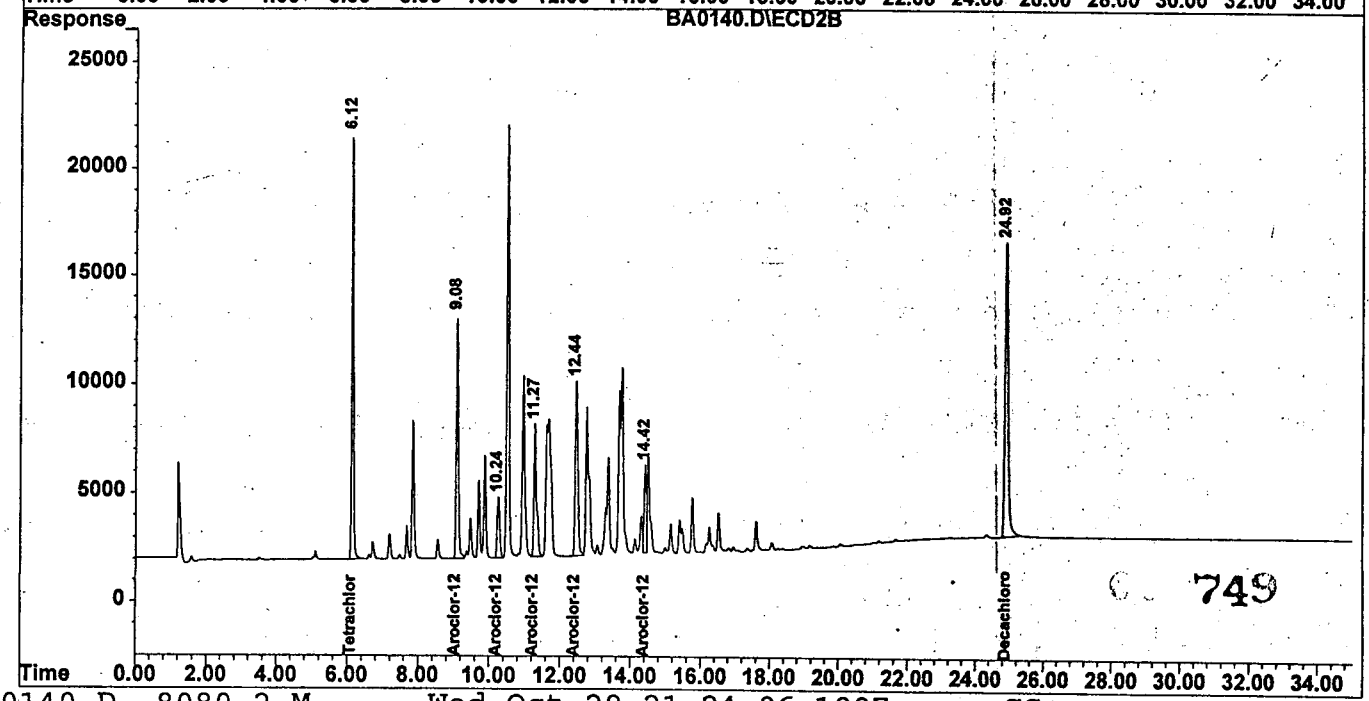
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0140.D\ECD1A.CH Vial: 19
Signal #2 : F:\1\DATA_B\BA0140.D\ECD2B.CH
Acq On : 28 Oct 97 6:12 Operator:
Sample : AR1242 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





749

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0141.D\ECD1A.CH Vial: 20
Signal #2 : F:\1\DATA_B\BA0141.D\ECD2B.CH
Acq On : 28 Oct 97 6:51 Operator:
Sample : AR1242 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:20 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.13	1960259	1230513	93.629	97.593
Spiked Amount 50.000 Range 43 - 150 Recovery =					187.26%#	195.19%#
22) SA Decachlorobiphen	29.62	24.92	4271553	1621122	195.944	185.073
Spiked Amount 50.000 Range 24 - 154 Recovery =					391.89%#	370.15%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	9.15	9.09	753095	926036	3770.346	3773.662
36) L4 Aroclor-1242{2}	10.62	10.25	1408308	310789	3498.819	4153.350
37) L4 Aroclor-1242{3}	11.33	11.28	461229	692247	3905.156	4382.776
38) L4 Aroclor-1242{4}	12.89	12.45	817896	916501	4446.218	4023.746
39) L4 Aroclor-1242{5}	14.17	14.42	1524663	407986	3858.797	4679.437
Sum Aroclor-1242			4965191	3253559	19479.336	21012.971
Average Aroclor-1242					3895.867	4202.594
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

750

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0141.D\ECD1A.CH Vial: 20
Signal #2 : F:\1\DATA_B\BA0141.D\ECD2B.CH
Acq On : 28 Oct 97 6:51 Operator:
Sample : AR1242 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:20 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

751

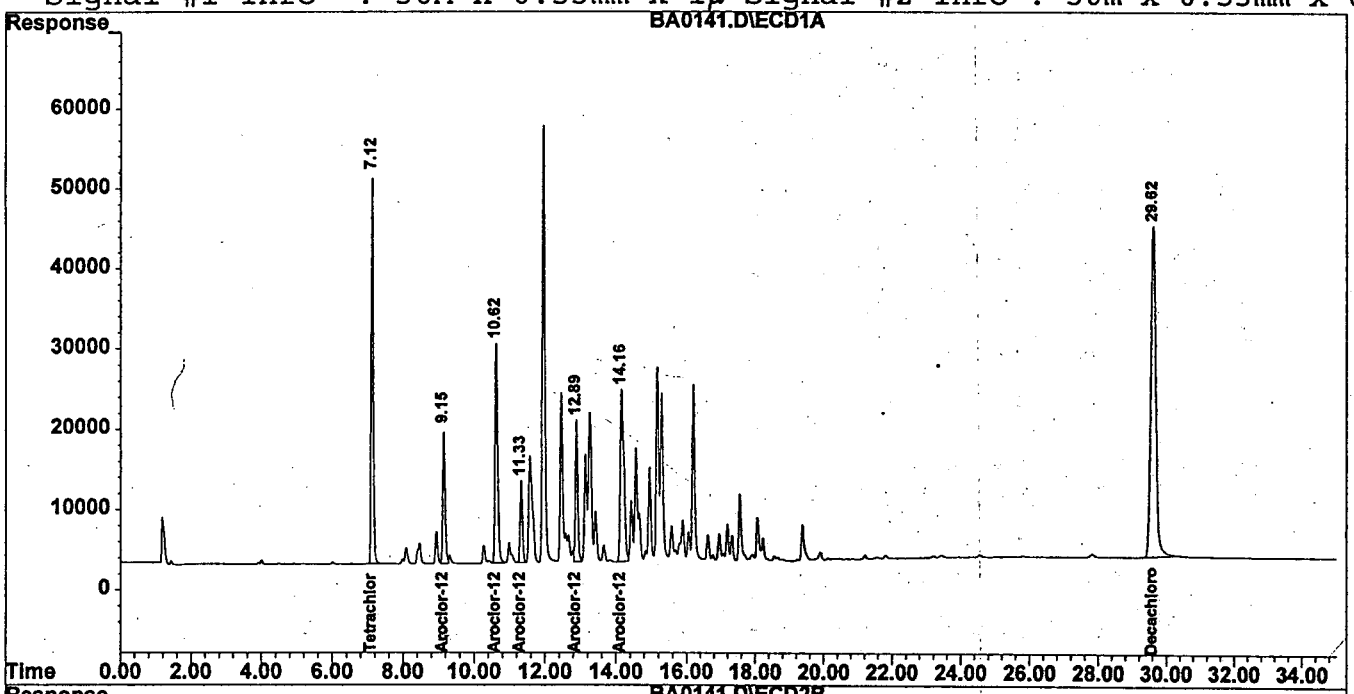
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

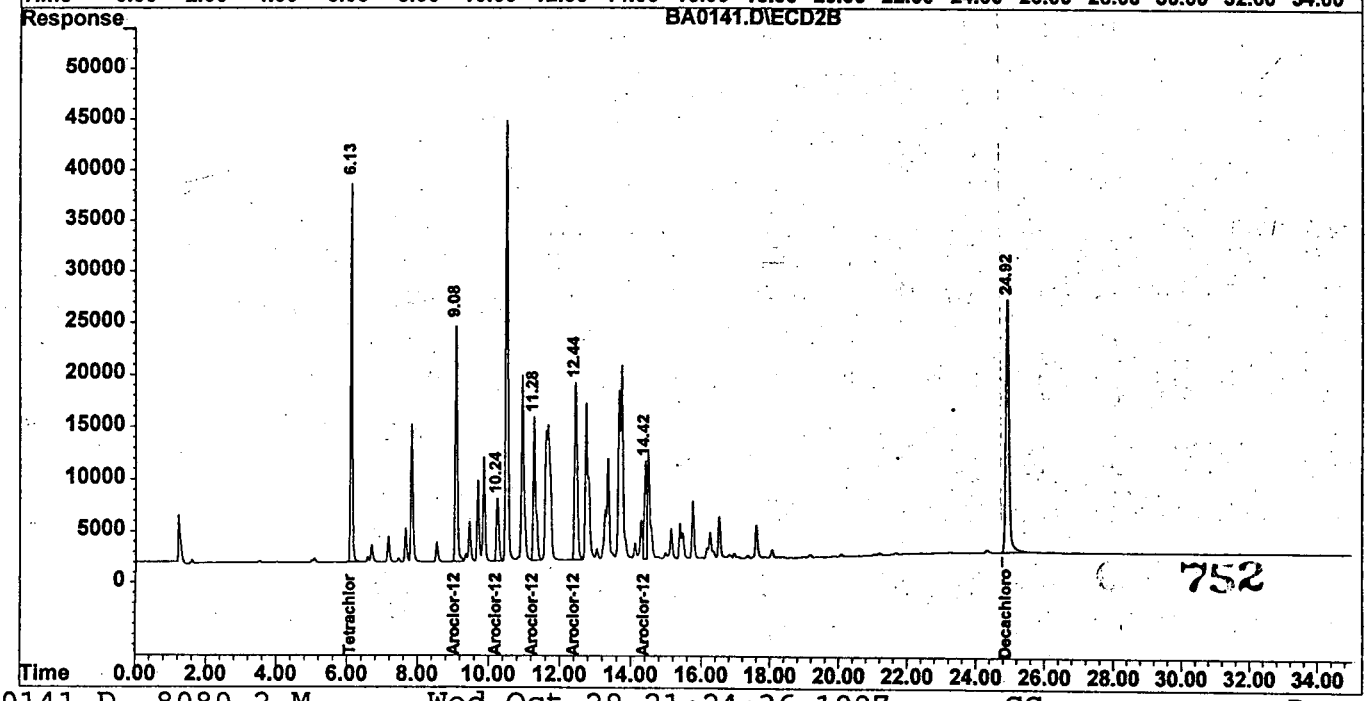
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0141.D\ECD1A.CH Vial: 20
Signal #2 : F:\1\DATA_B\BA0141.D\ECD2B.CH
Acq On : 28 Oct 97 6:51 Operator:
Sample : AR1242 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:20 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





752

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0142.D\ECD1A.CH Vial: 21
Signal #2 : F:\1\DATA_B\BA0142.D\ECD2B.CH
Acq On : 28 Oct 97 7:30 Operator:
Sample : AR1221 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:22 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.13	245926	173579	11.746	13.767
Spiked Amount 50.000 Range 43 - 150 Recovery =					23.49%#	27.53%#
22) SA Decachlorobiphen	29.62	24.92	572630	249240	26.268	28.454
Spiked Amount 50.000 Range 24 - 154 Recovery =					52.54%	56.91%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	6.01	7.18	36881	40107	382.285	422.367
) L2 Aroclor-1221{2}	8.94	7.67	41300	29951	389.946	435.294
30) L2 Aroclor-1221{3}	9.15	7.84	129084	104521	403.665	448.252
Sum Aroclor-1221			207266	174578	1175.897	1305.913
Average Aroclor-1221					391.966	435.304
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

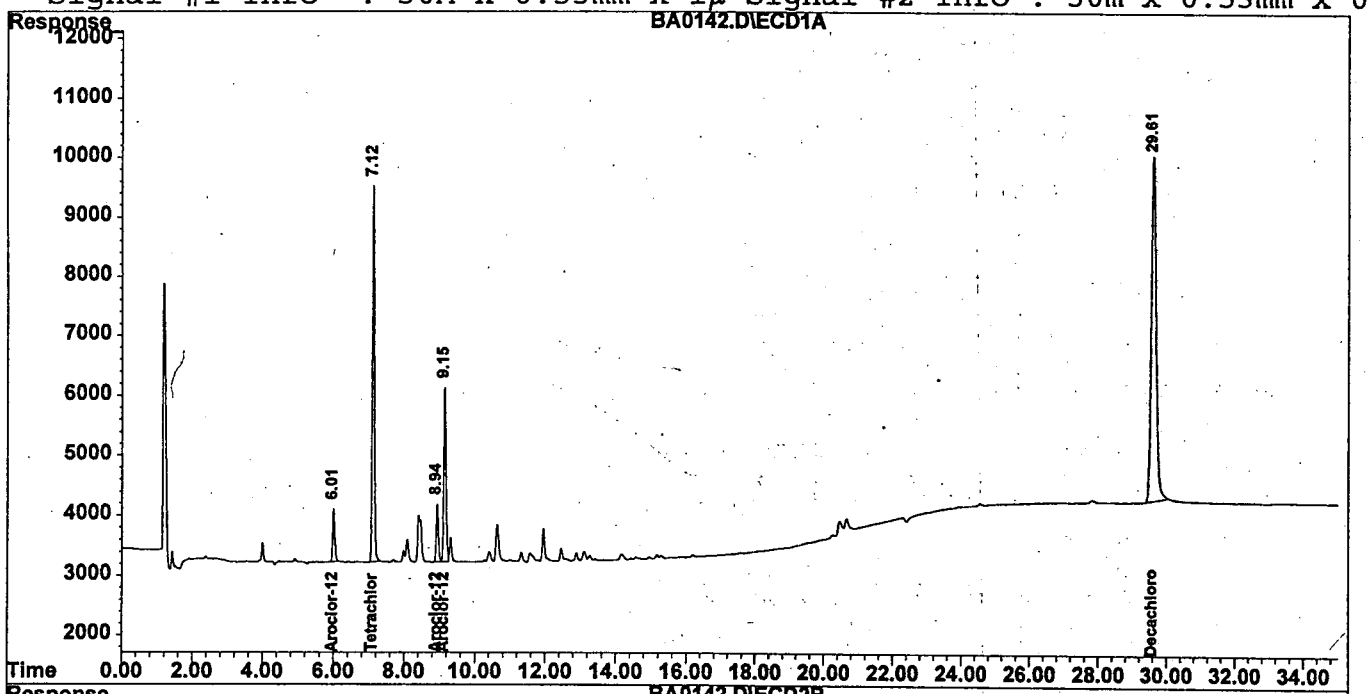
Quantitation Report

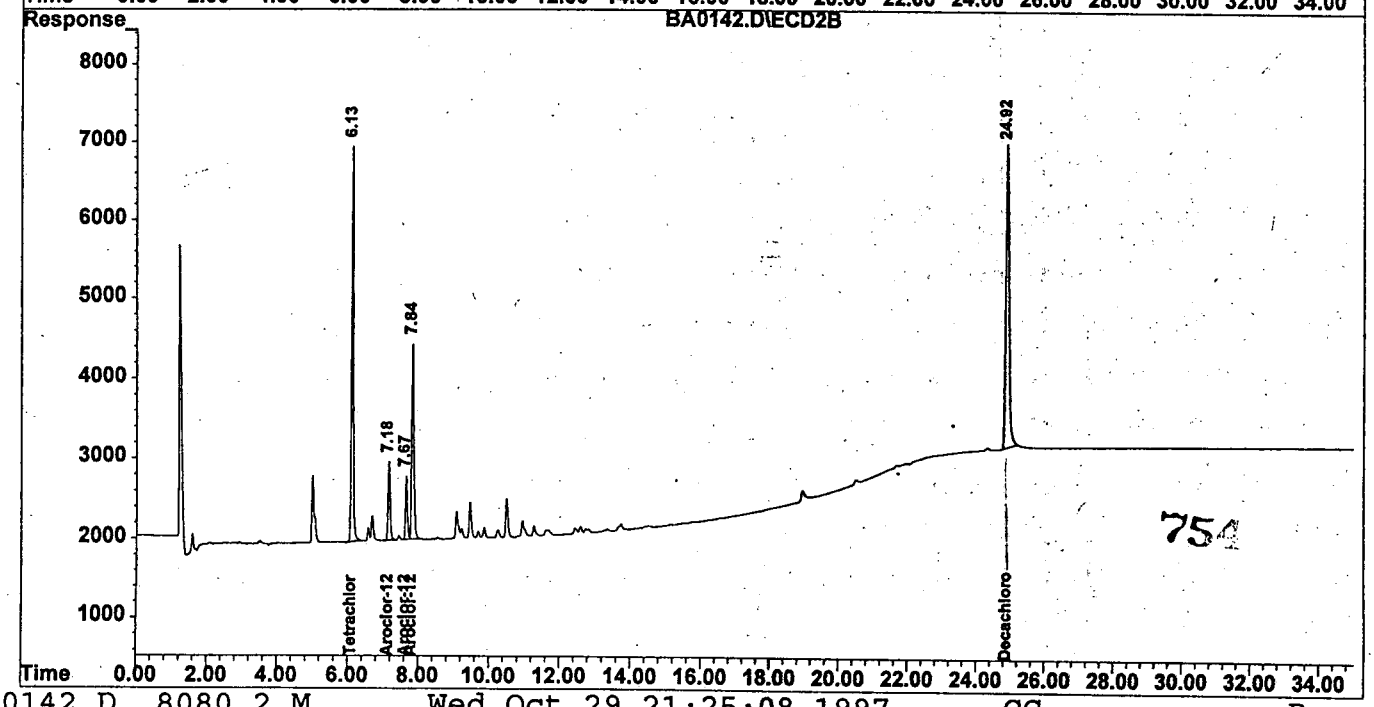
Signal #1 : F:\1\DATA_B\BA0142.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0142.D\ECD2B.CH
Acq On : 28 Oct 97 7:30
Sample : AR1221 #2
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:22 1997 Quant Results File: 8080_2.RES

Vial: 21
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0143.D\ECD1A.CH Vial: 22
Signal #2 : F:\1\DATA_B\BA0143.D\ECD2B.CH
Acq On : 28 Oct 97 8:09 Operator:
Sample : AR1221 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:48 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.13	96075	70281	4.964	5.430
Spiked Amount 50.000 Range 43 - 150 Recovery =					9.93%#	10.86%#
22) SA Decachlorobiphen	29.61	24.92	224459	100301	10.229	10.985
Spiked Amount 50.000 Range 24 - 154 Recovery =					20.46%#	21.97%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	6.01	7.18	10210	11803	105.834	124.302
29) L2 Aroclor-1221{2}	8.94	7.67	10882	8389	102.744	121.922
30) L2 Aroclor-1221{3}	9.15	7.84	35855	31213	112.123	133.863
Sum Aroclor-1221			56947	51406	320.702	380.087
Average Aroclor-1221					106.901	126.696
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

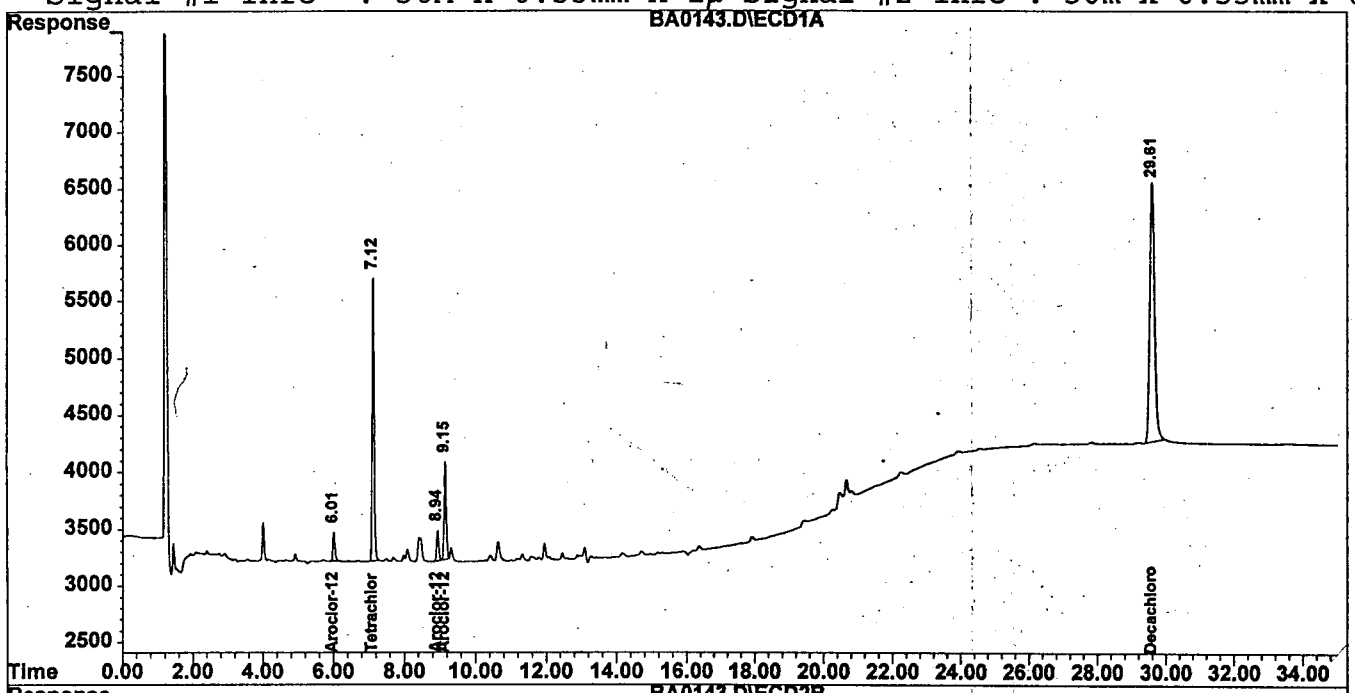
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

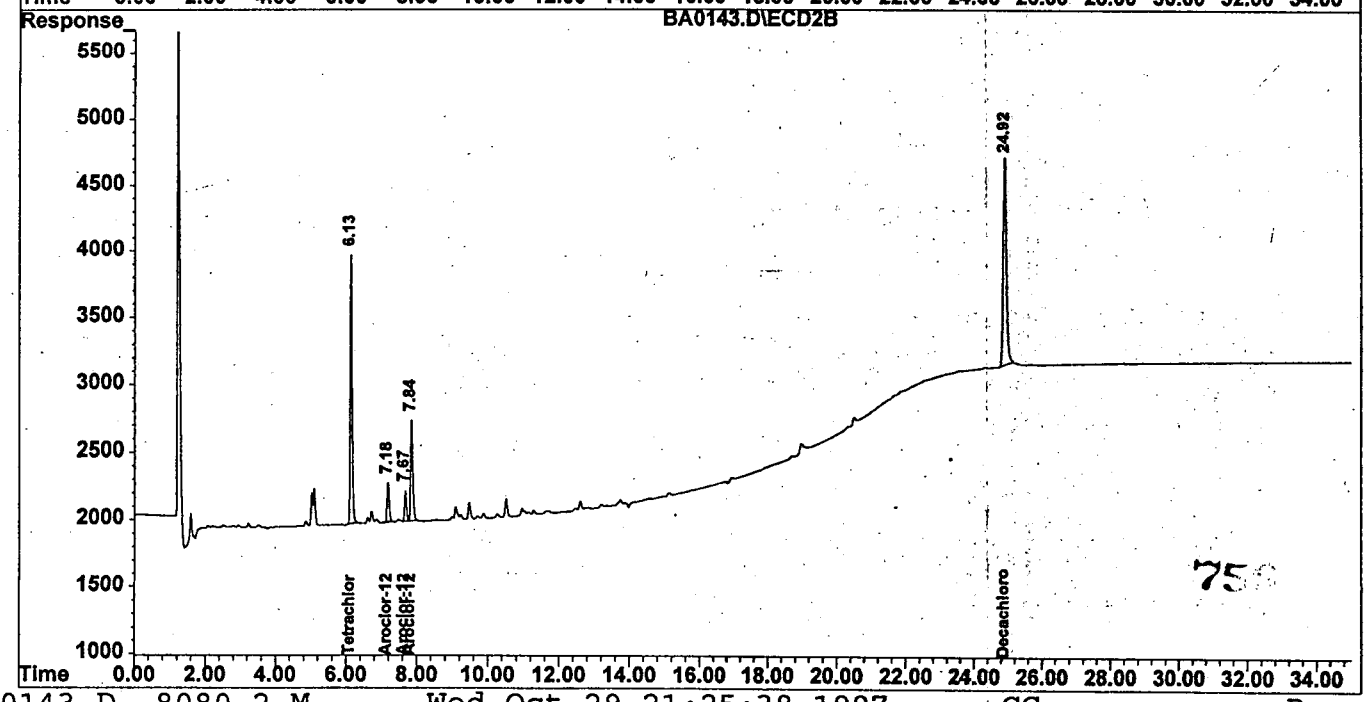
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0143.D\ECD1A.CH Vial: 22
Signal #2 : F:\1\DATA_B\BA0143.D\ECD2B.CH
Acq On : 28 Oct 97 8:09 Operator:
Sample : AR1221 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:48 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0144.D\ECD1A.CH Vial: 23
Signal #2 : F:\1\DATA_B\BA0144.D\ECD2B.CH
Acq On : 28 Oct 97 8:48 Operator:
Sample : AR1221 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:50 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.13	482222	328789	24.915	25.404
Spiked Amount 50.000 Range 43 - 150 Recovery =					49.83%	50.81%
22) SA Decachlorobiphen	29.62	24.92	1101805	466651	50.209	51.108
Spiked Amount 50.000 Range 24 - 154 Recovery =					100.42%	102.22%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	6.01	7.18	89128	95649	923.837	1007.289
2) L2 Aroclor-1221{2}	8.94	7.67	101134	71262	954.883	1035.694
3) L2 Aroclor-1221{3}	9.15	7.84	306356	240452	958.020	1031.215
Sum Aroclor-1221			496618	407363	2836.739	3074.198
Average Aroclor-1221					945.580	1024.733
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

QC 757

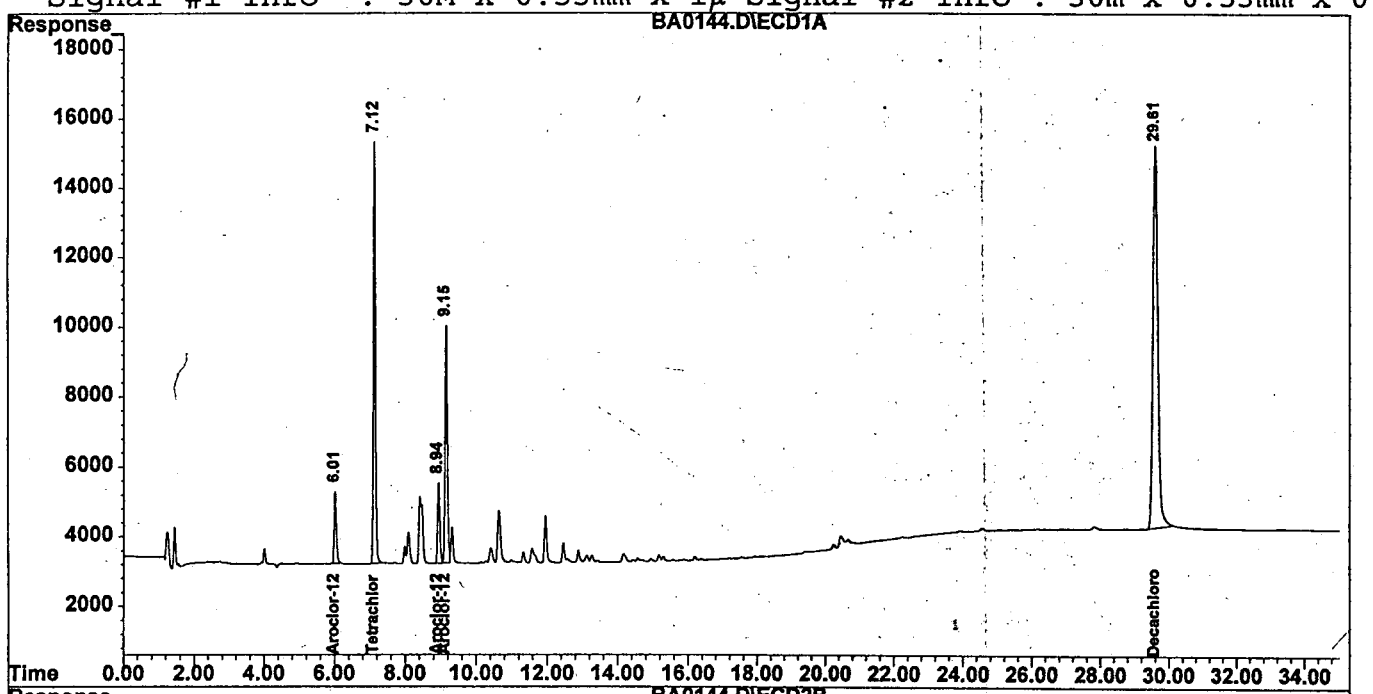
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

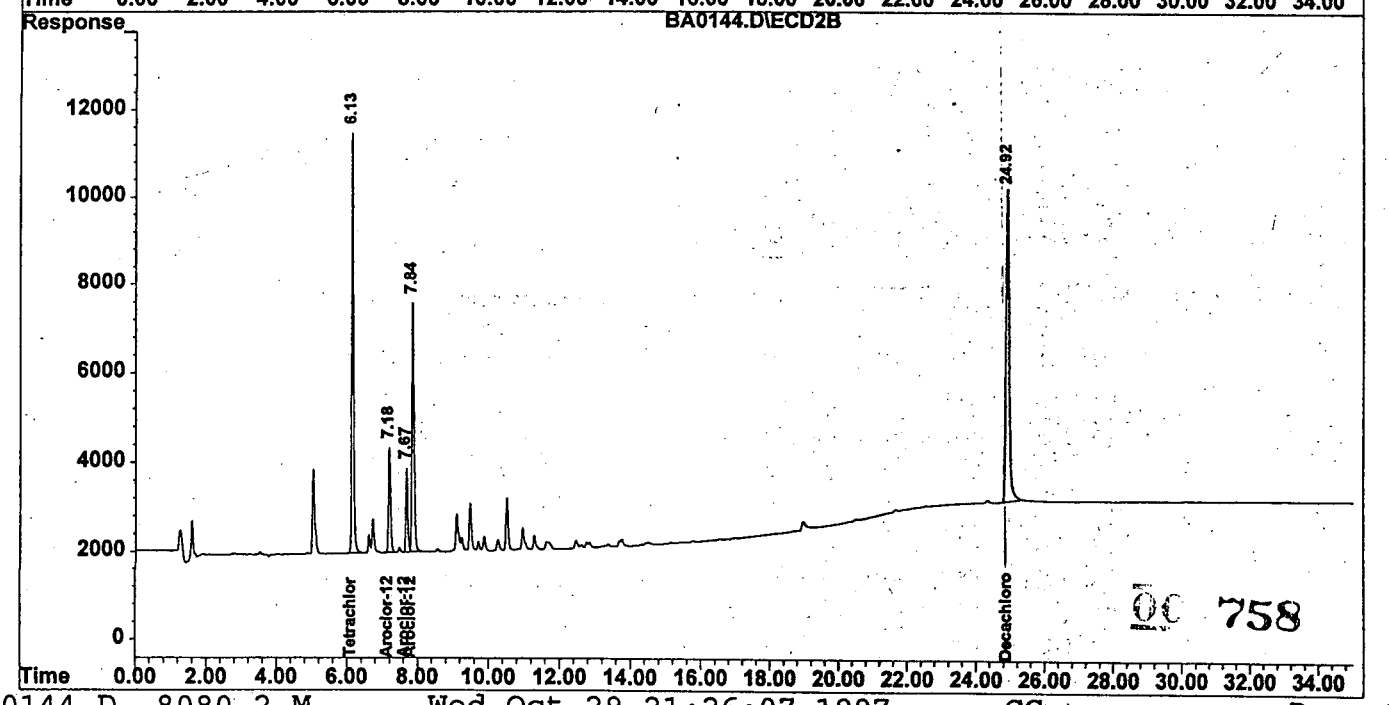
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0144.D\ECD1A.CH Vial: 23
Signal #2 : F:\1\DATA_B\BA0144.D\ECD2B.CH
Acq On : 28 Oct 97 8:48 Operator:
Sample : AR1221 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:50 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





DC 758

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0145.D\ECD1A.CH Vial: 24
Signal #2 : F:\1\DATA_B\BA0145.D\ECD2B.CH
Acq On : 28 Oct 97 9:27 Operator:
Sample : AR1221 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:53 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.12	6.12	987339	659454	51.013	50.954
Spiked Amount 50.000 Range 43 - 150 Recovery =					102.03%	101.91%
22) SA Decachlorobiphen	29.61	24.92	2255697	908298	102.792	99.479
Spiked Amount 50.000 Range 24 - 154 Recovery =					205.58%#	198.96%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	6.00	7.17	165828	178009	1718.857	1874.629
29) L2 Aroclor-1221{2}	8.94	7.66	187559	130434	1770.876	1895.687
30) L2 Aroclor-1221{3}	9.15	7.83	558842	433609	1747.579	1859.594
Sum Aroclor-1221			912228	742052	5237.312	5629.910
Average Aroclor-1221					1745.771	1876.637
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

759

Quantitation Report

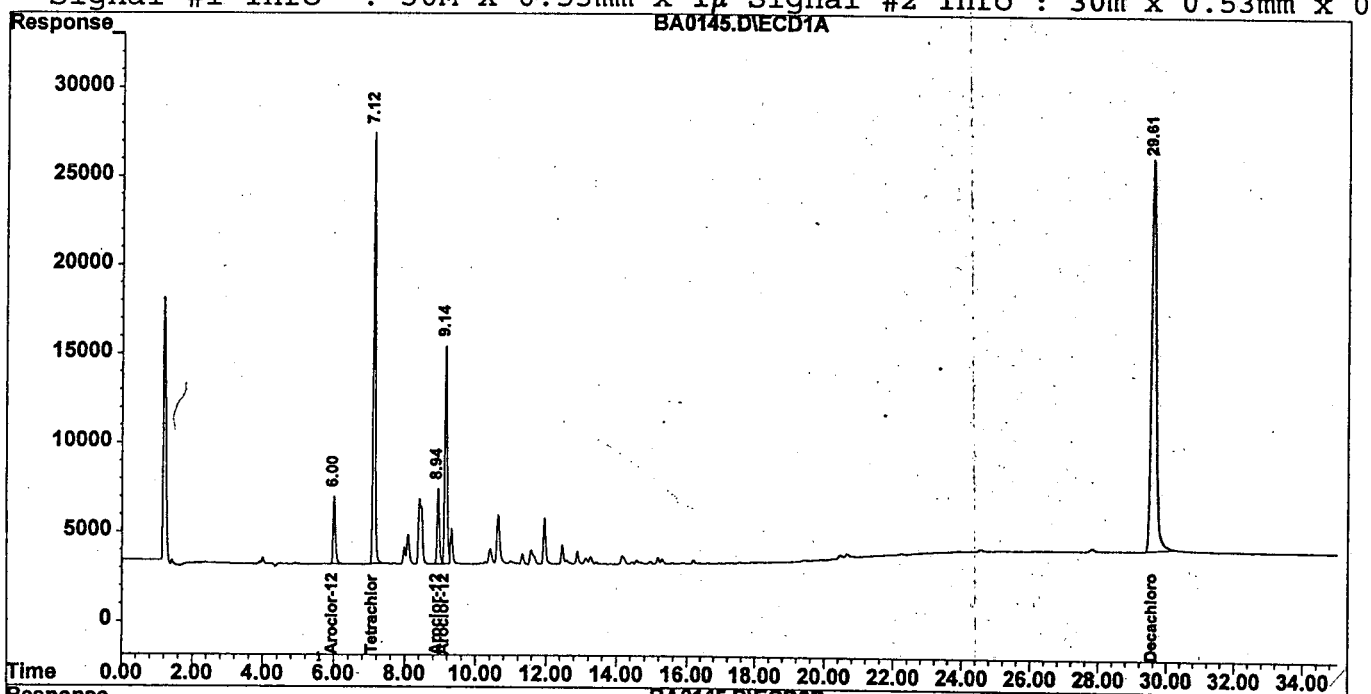
Signal #1 : F:\1\DATA_B\BA0145.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0145.D\ECD2B.CH
Acq On : 28 Oct 97 9:27
Sample : AR1221 #4
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:53 1997 Quant Results File: 8080_2.RES

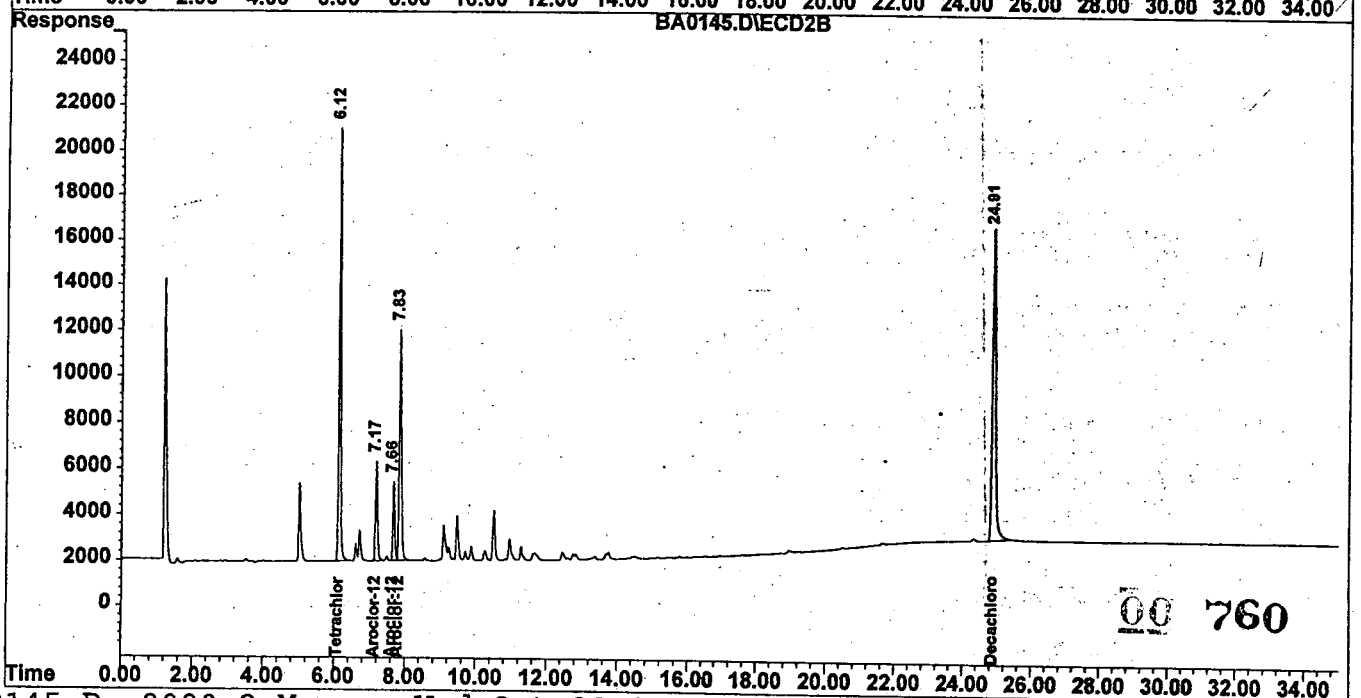
Vial: 24

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 760

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0146.D\ECD1A.CH Vial: 25
Signal #2 : F:\1\DATA_B\BA0146.D\ECD2B.CH
Acq On : 28 Oct 97 10:06 Operator:
Sample : AR1221 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:55 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.13	1936023	1269363	100.029	98.079
Spiked Amount 50.000 Range 43 - 150 Recovery =					200.06%#	196.16%#
22) SA Decachlorobiphen	29.62	24.92	4457585	1690386	203.132	185.134
Spiked Amount 50.000 Range 24 - 154 Recovery =					406.26%#	370.27%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	6.01	7.18	368194	400681	3816.441	4219.606
29) L2 Aroclor-1221{2}	8.94	7.67	420585	286708	3971.040	4166.921
30) L2 Aroclor-1221{3}	9.15	7.84	1232412	944425	3853.929	4050.304
Sum Aroclor-1221			2021190	1631814	11641.410	12436.831
Average Aroclor-1221					3880.470	4145.610
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

Quantitation Report

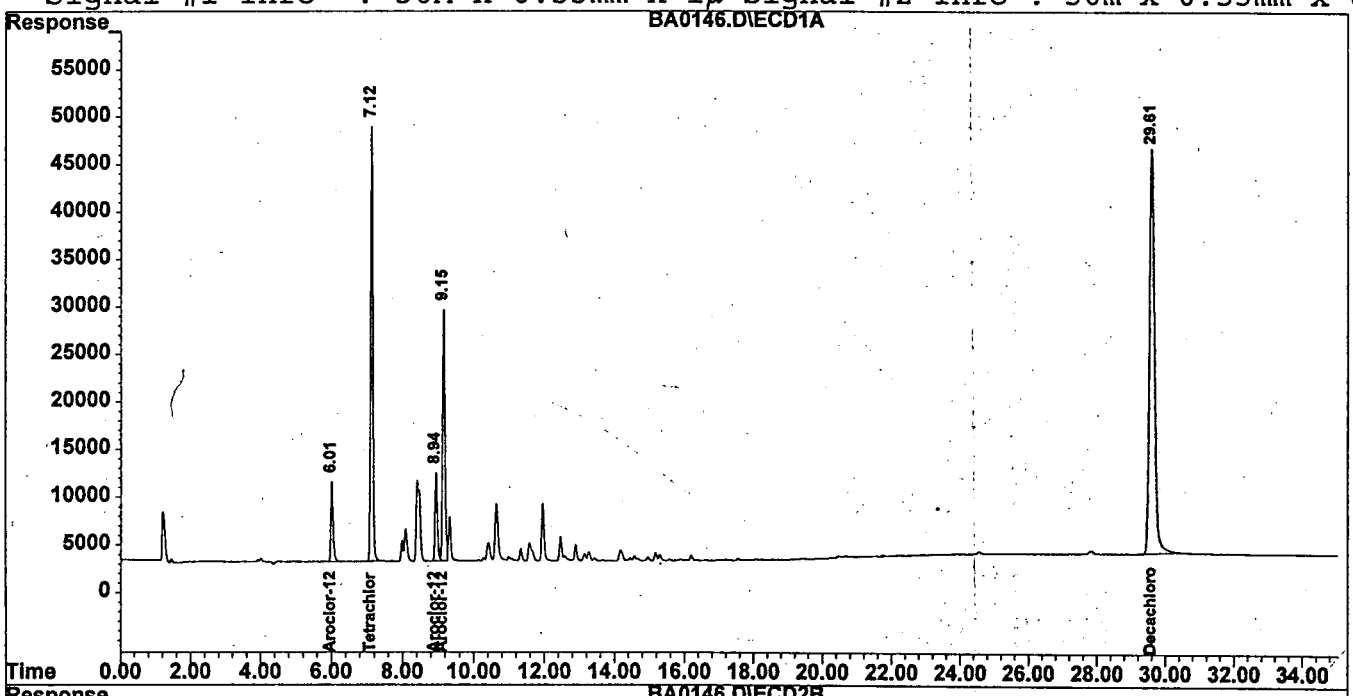
Signal #1 : F:\1\DATA_B\BA0146.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0146.D\ECD2B.CH
Acq On : 28 Oct 97 10:06
Sample : AR1221 #5
Misc :

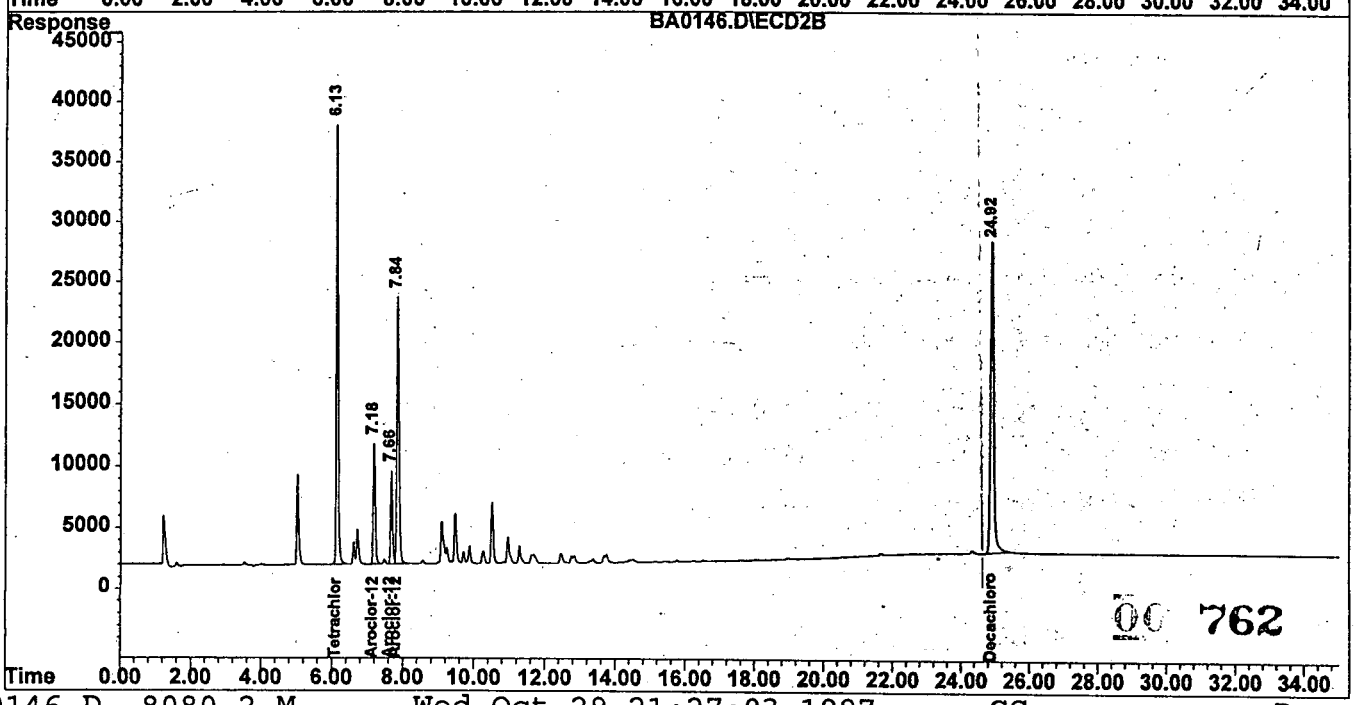
Vial: 25
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 14:55 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 762

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0147.D\ECD1A.CH Vial: 26
Signal #2 : F:\1\DATA_B\BA0147.D\ECD2B.CH
Acq On : 28 Oct 97 10:45 Operator:
Sample : AR1232 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:08 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.14	92640	67165	4.786	5.190
Spiked Amount 50.000 Range 43 - 150 Recovery =					9.57%#	10.38%#
22) SA Decachlorobiphen	29.61	24.92	222271	100985	10.129	11.060
Spiked Amount 50.000 Range 24 - 154 Recovery =					20.26%#	22.12%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	8.94	9.09	6126	17312	103.116m	129.638m#
32) L3 Aroclor-1232{2}	9.15	10.25	23038	4828	109.633	125.851m
33) L3 Aroclor-1232{3}	10.63	11.62	24769	9040	110.232	124.678
34) L3 Aroclor-1232{4}	11.96	13.36	36147	5670	101.301	104.799m
Sum Aroclor-1232			90080	36850	424.282	484.965
Average Aroclor-1232					106.071	121.241
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

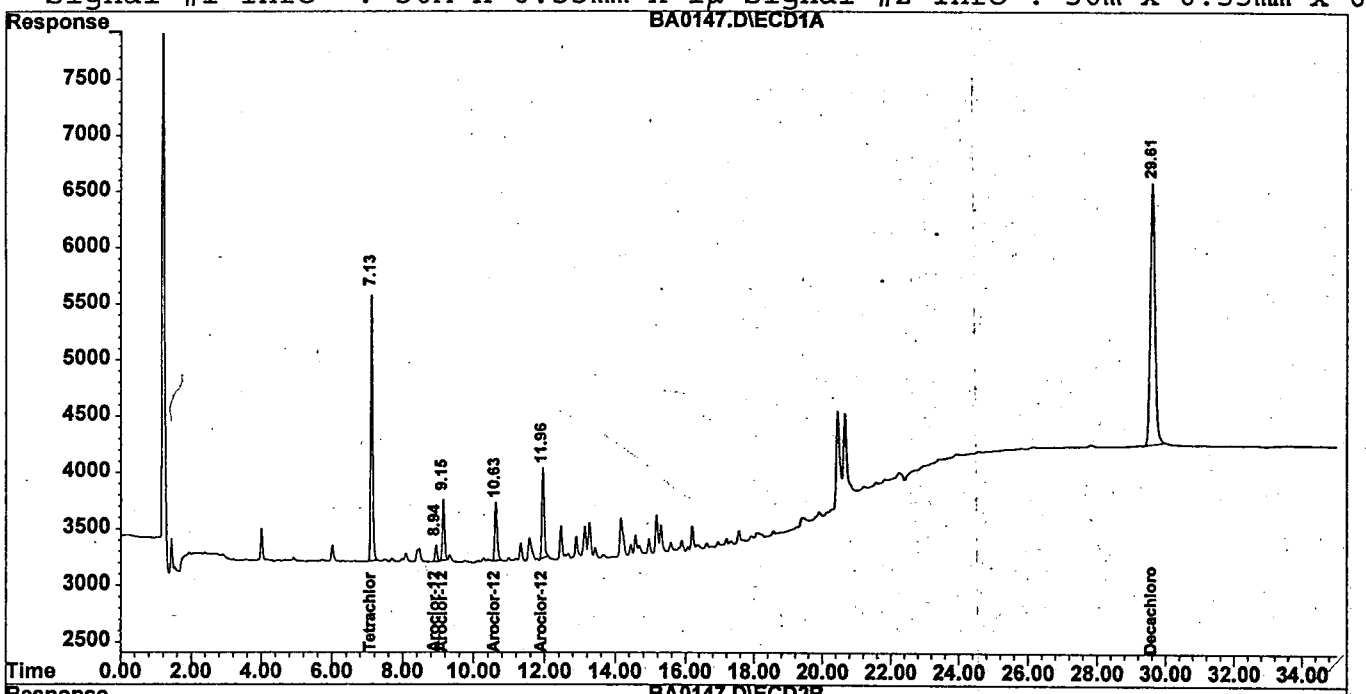
Quantitation Report

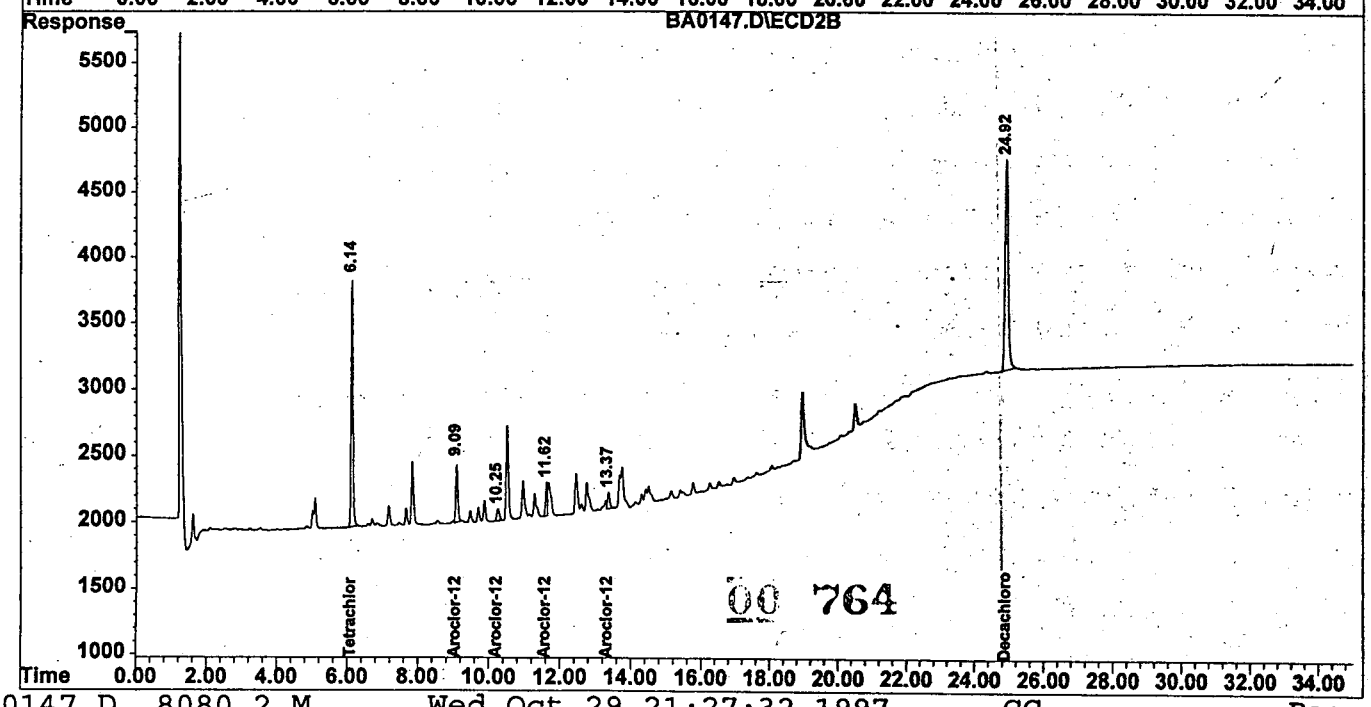
Signal #1 : F:\1\DATA_B\BA0147.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0147.D\ECD2B.CH
Acq On : 28 Oct 97 10:45
Sample : AR1232 #1
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:08 1997 Quant Results File: 8080_2.RES

Vial: 26
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 μl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1μ Signal #2 Info : 30m x 0.53mm x 0.83μ





00 764

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0148.D\ECD1A.CH Vial: 27
Signal #2 : F:\1\DATA_B\BA0148.D\ECD2B.CH
Acq On : 28 Oct 97 11:24 Operator:
Sample : AR1232 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:10 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.14	252504	176248	13.046	13.618
Spiked Amount 50.000 Range 43 - 150 Recovery =					26.09%#	27.24%#
22) SA Decachlorobiphen	29.61	24.92	575259	257519	26.214	28.204
Spiked Amount 50.000 Range 24 - 154 Recovery =					52.43%	56.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	8.94	9.09	22765	58791	383.188	440.246
32) L3 Aroclor-1232{2}	9.15	10.25	82380	16332	392.037	425.723
33) L3 Aroclor-1232{3}	10.63	11.62	90212	33760	401.473	465.630
34) L3 Aroclor-1232{4}	11.96	13.37	140609	22561	394.049	416.992
Sum Aroclor-1232			335966	131444	1570.746	1748.591
Average Aroclor-1232					392.686	437.148
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

765

Quantitation Report

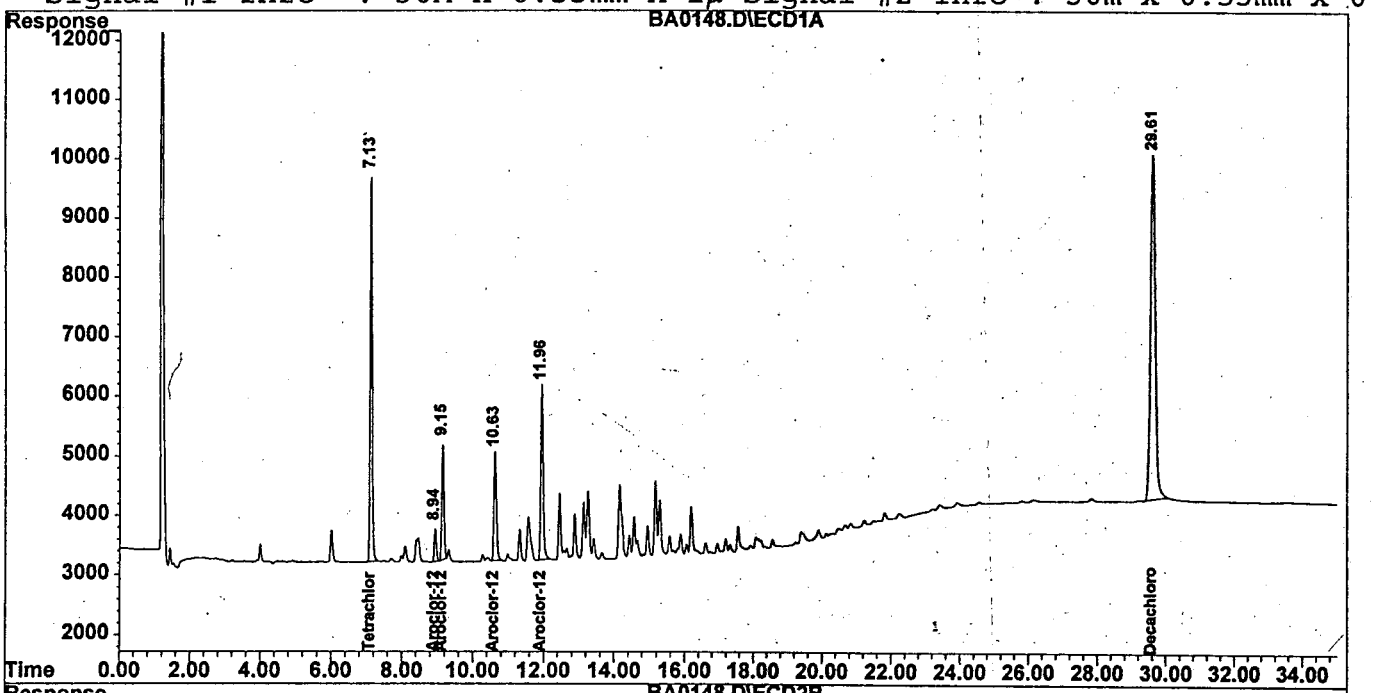
Signal #1 : F:\1\DATA_B\BA0148.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0148.D\ECD2B.CH
Acq On : 28 Oct 97 11:24
Sample : AR1232 #2
Misc :

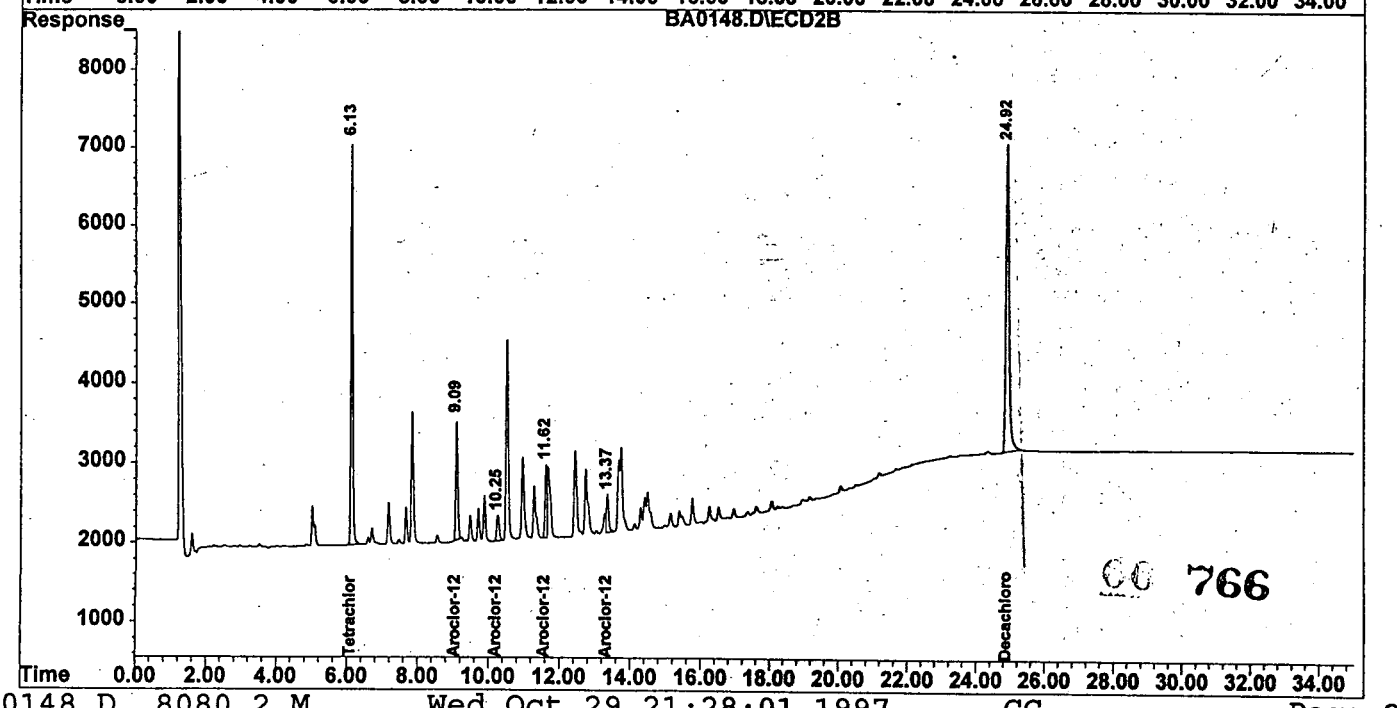
Vial: 27
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:10 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 766

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0149.D\ECD1A.CH Vial: 28
Signal #2 : F:\1\DATA_B\BA0149.D\ECD2B.CH
Acq On : 28 Oct 97 12:03 Operator:
Sample : AR1232 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:12 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.13	491540	336741	25.396	26.019
Spiked Amount 50.000 Range 43 - 150 Recovery =					50.79%	52.04%
22) SA Decachlorobiphen	29.61	24.91	1111738	479878	50.662	52.557
Spiked Amount 50.000 Range 24 - 154 Recovery =					101.32%	105.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	8.94	9.09	59582	149814	1002.913	1121.859
32) L3 Aroclor-1232{2}	9.15	10.25	212153	42197	1009.609	1099.944
33) L3 Aroclor-1232{3}	10.63	11.62	222050	82103	988.197	1132.384
34) L3 Aroclor-1232{4}	11.96	13.36	362286	58613	1015.285	1083.342
Sum Aroclor-1232			856070	332727	4016.004	4437.530
Average Aroclor-1232					1004.001	1109.382
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

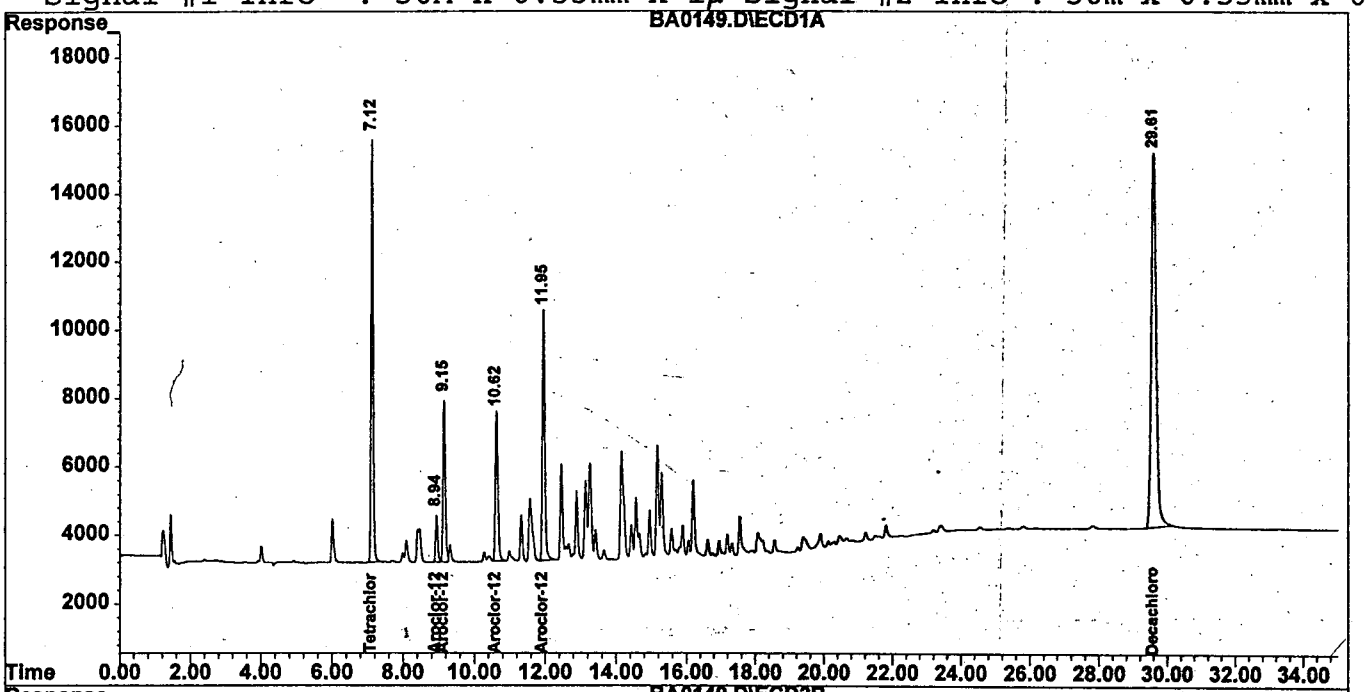
00 767

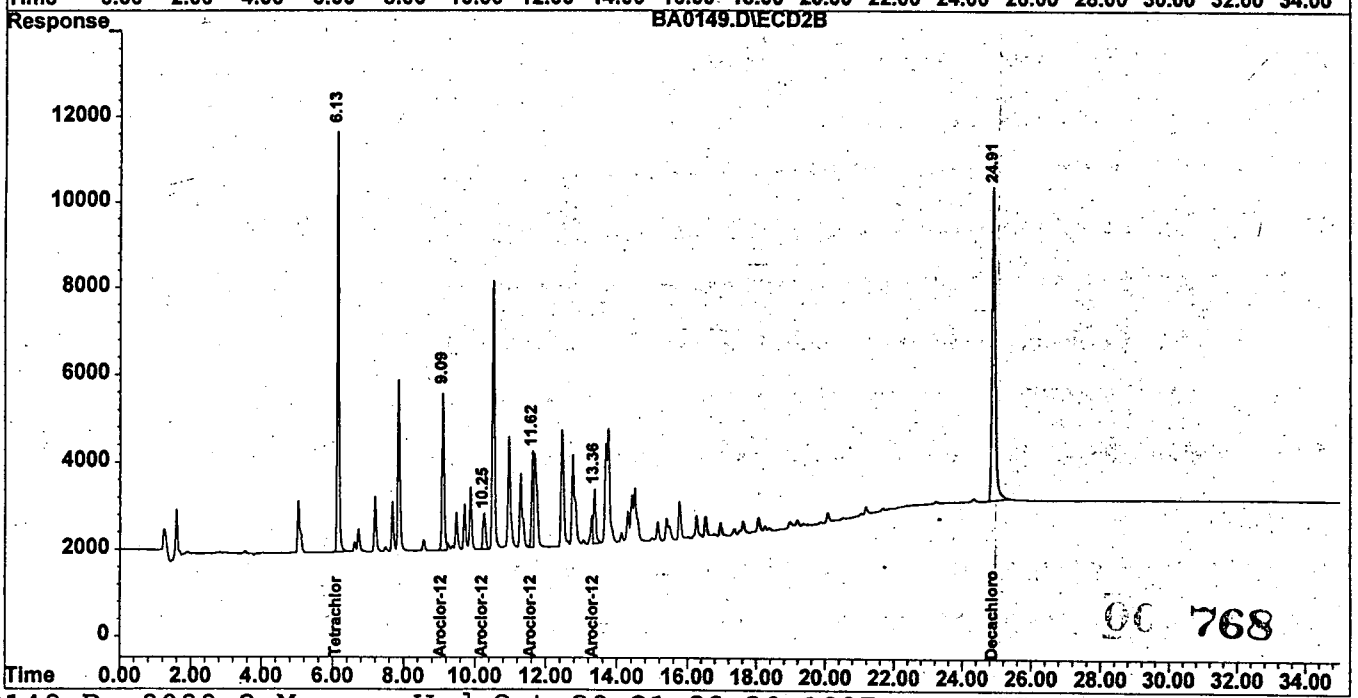
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0149.D\ECD1A.CH Vial: 28
Signal #2 : F:\1\DATA_B\BA0149.D\ECD2B.CH
Acq On : 28 Oct 97 12:03 Operator:
Sample : AR1232 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:12 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





GC 768

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0150.D\ECD1A.CH Vial: 29
Signal #2 : F:\1\DATA_B\BA0150.D\ECD2B.CH
Acq On : 28 Oct 97 12:42 Operator:
Sample : AR1232 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:26 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.13	6.13	1144358	760304	59.126	58.746
Spiked Amount 50.000 Range 43 - 150 Recovery =					118.25%	117.49%
22) SA Decachlorobiphen	29.61	24.91	2602408	1040603	118.592	113.969
Spiked Amount 50.000 Range 24 - 154 Recovery =					237.18%#	227.94%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	8.94	9.09	122669	292091	2064.831	2187.279
) L3 Aroclor-1232{2}	9.15	10.25	425779	87621	2026.226	2284.017
) L3 Aroclor-1232{3}	10.62	11.61	448262	170272	1994.917	2348.446m
34) L3 Aroclor-1232{4}	11.95	13.36	767561	124599	2151.047	2302.970
Sum Aroclor-1232			1764271	674584	8237.021	9122.711
erage Aroclor-1232					2059.255	2280.678
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

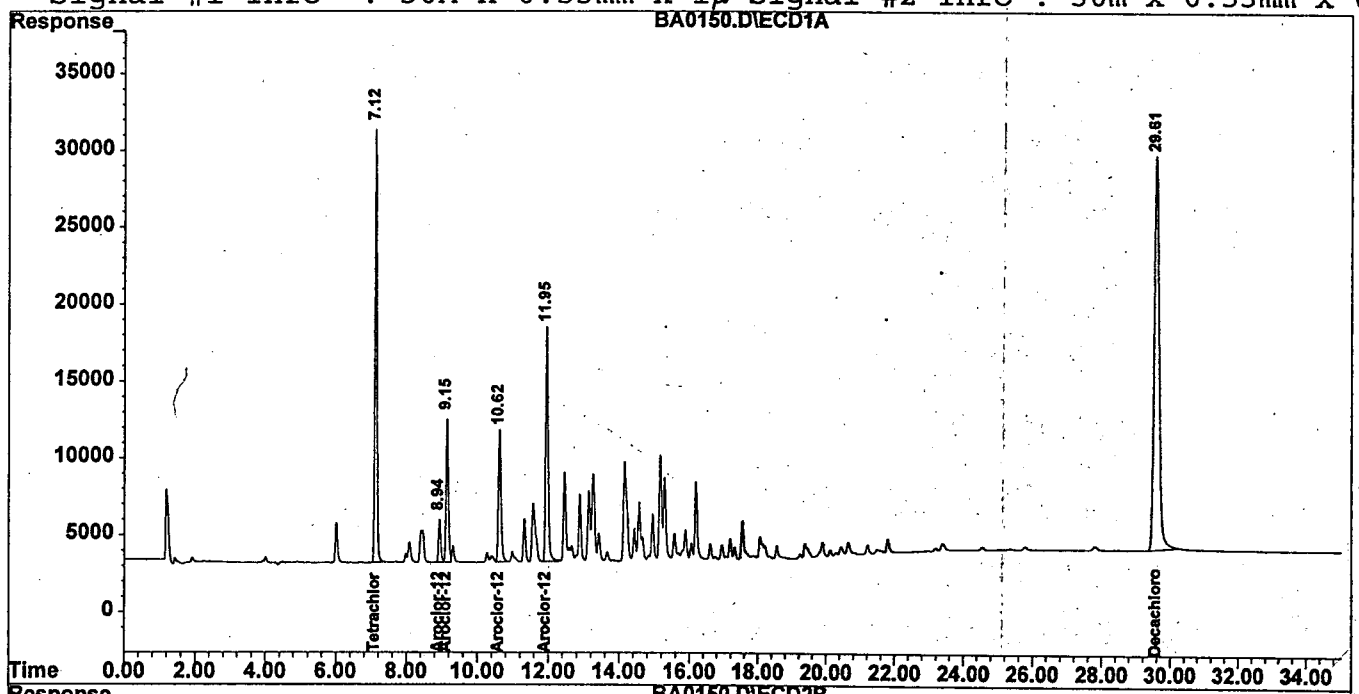
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

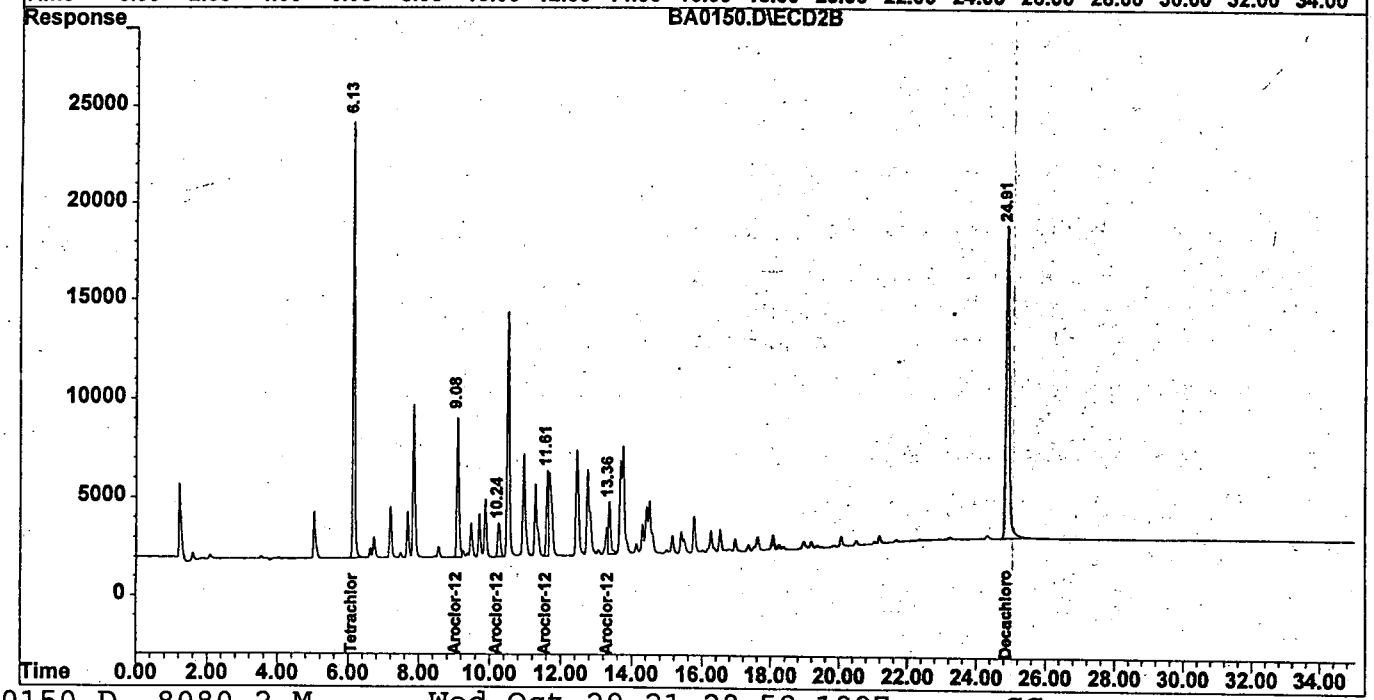
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0150.D\ECD1A.CH Vial: 29
Signal #2 : F:\1\DATA_B\BA0150.D\ECD2B.CH
Acq On : 28 Oct 97 12:42 Operator:
Sample : AR1232 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:26 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0151.D\ECD1A.CH Vial: 30
Signal #2 : F:\1\DATA_B\BA0151.D\ECD2B.CH
Acq On : 28 Oct 97 13:21 Operator:
Sample : AR1232 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:28 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.13	1884287	1238214	97.356	95.673
Spiked Amount 50.000 Range 43 - 150 Recovery =					194.71%#	191.35%#
22) SA Decachlorobiphen	29.61	24.91	4237896	1641604	193.121	179.792
Spiked Amount 50.000 Range 24 - 154 Recovery =					386.24%#	359.58%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	8.94	9.09	235614	538201	3965.990	4030.230
32) L3 Aroclor-1232{2}	9.15	10.25	802267	168799	3817.886	4400.053
33) L3 Aroclor-1232{3}	10.63	11.61	829144	372348	3689.972	5135.542m#
34) L3 Aroclor-1232{4}	11.96	13.36	1480520	244301	4149.073	4515.405
Sum Aroclor-1232			3347546	1323648	15622.921	18081.231
Average Aroclor-1232					3905.730	4520.308
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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

771

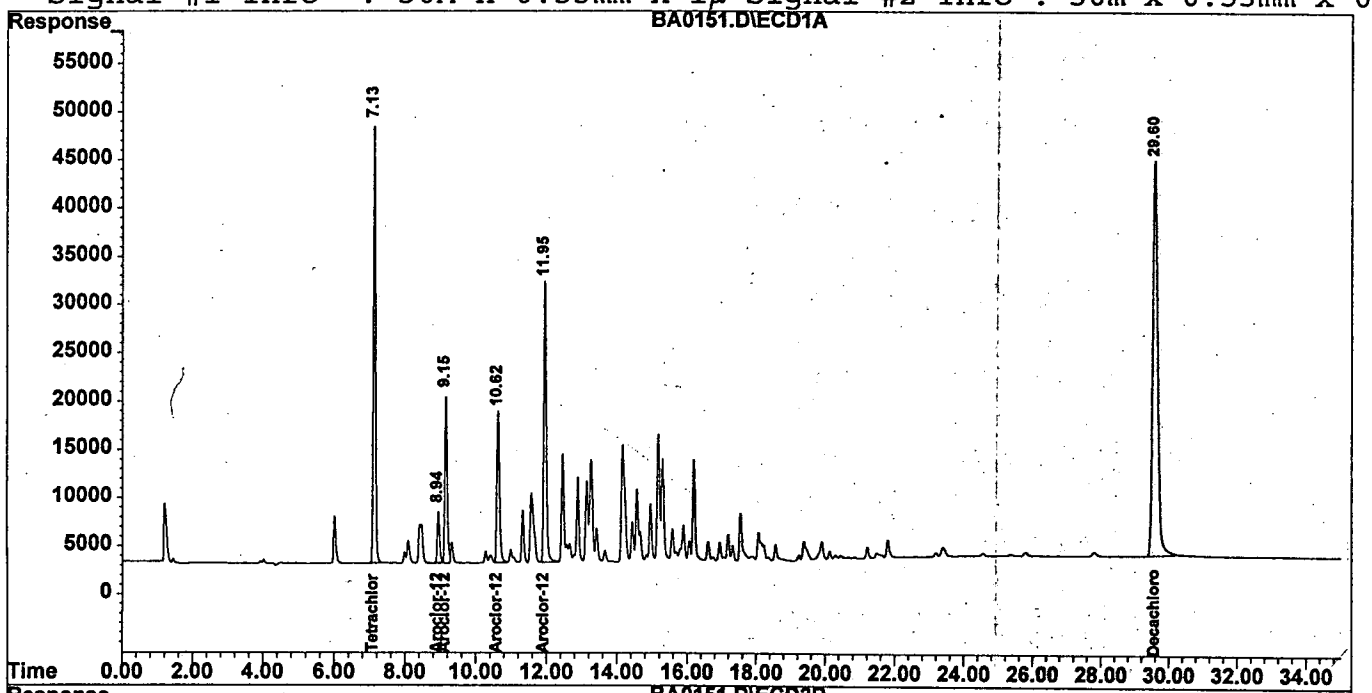
Quantitation Report

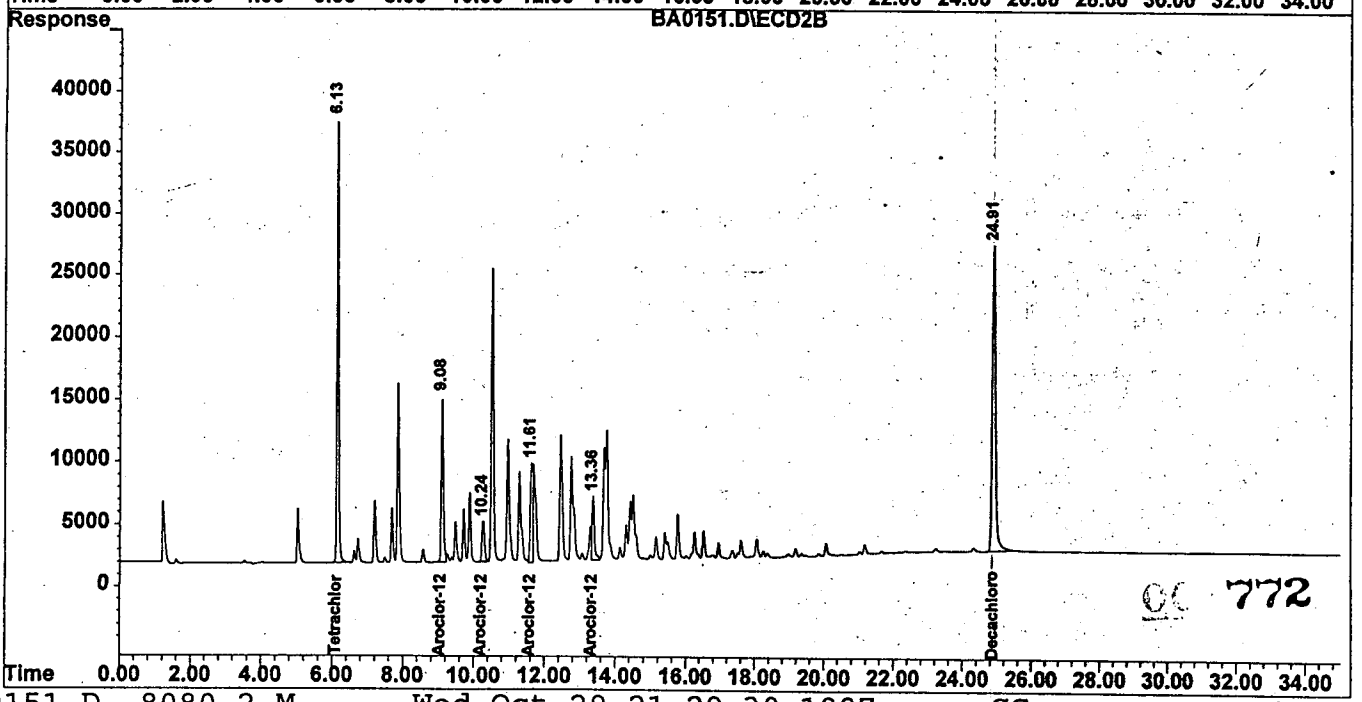
Signal #1 : F:\1\DATA_B\BA0151.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0151.D\ECD2B.CH
Acq On : 28 Oct 97 13:21
Sample : AR1232 #5
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 28 15:28 1997 Quant Results File: 8080_2.RES

Vial: 30
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Sun Oct 26 15:11:35 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





772

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD2B.CH
Acq On : 28 Oct 97 20:27 Operator:
Sample : AR1254 #1 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.12	6.13	87885	64937	9.135m	9.629m
Spiked Amount 50.000 Range 43 - 150 Recovery =					18.27%#	19.26%#
22) SA Decachlorobiphen	29.60	24.91	223291	100866	10.268m	10.719m
Spiked Amount 50.000 Range 24 - 154 Recovery =					20.54%#	21.44%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
4) L6 Aroclor-1254{1}	14.16	11.61	15557	28354	114.611	128.609m
46) L6 Aroclor-1254{2}	15.58	13.73	46972	52944	127.406m	126.426m
47) L6 Aroclor-1254{3}	15.89	15.15	64180	18618	139.266m	124.541
4) L6 Aroclor-1254{4}	18.56	15.77	48854	61686	120.540m	126.944
49) L6 Aroclor-1254{5}	19.91	18.07	86154	57154	99.830	125.769 #
Sum Aroclor-1254			261716	218756	601.653	632.289
Average Aroclor-1254					120.331	126.458
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

00 773

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD2B.CH
Acq On : 28 Oct 97 20:27 Operator:
Sample : AR1254 #1 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

00 774

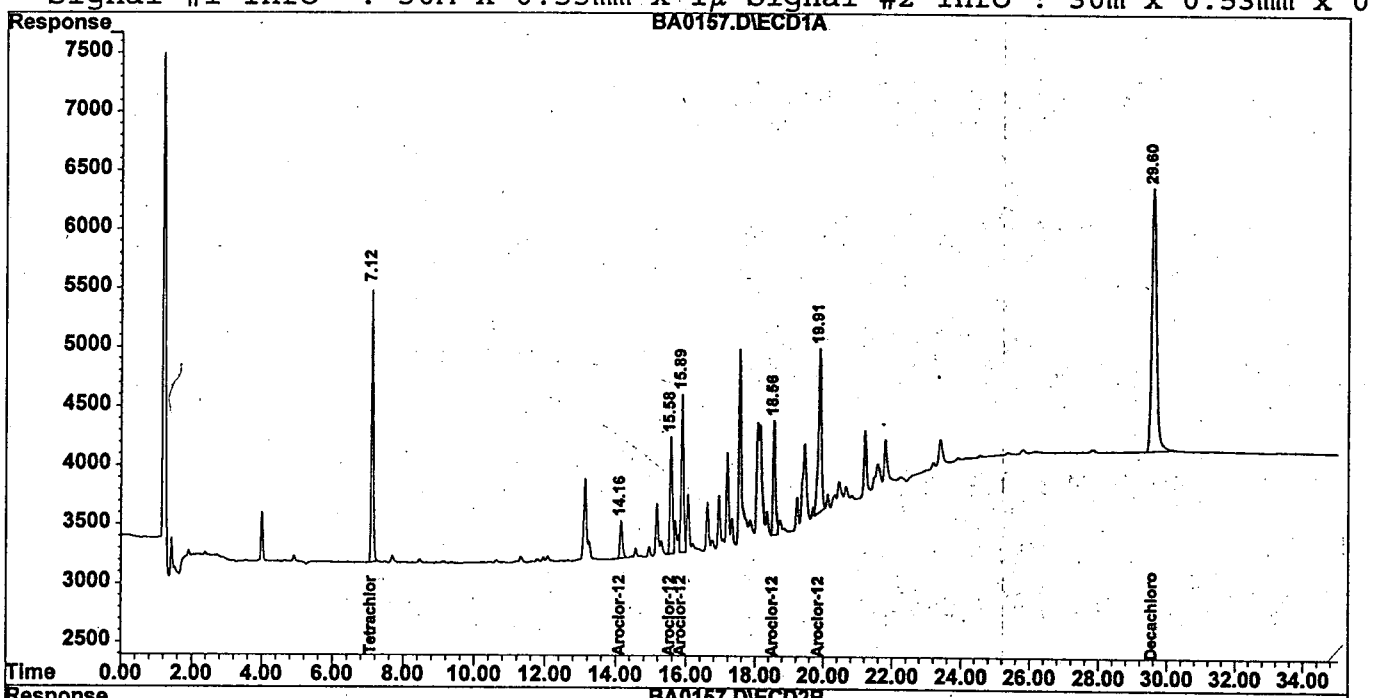
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

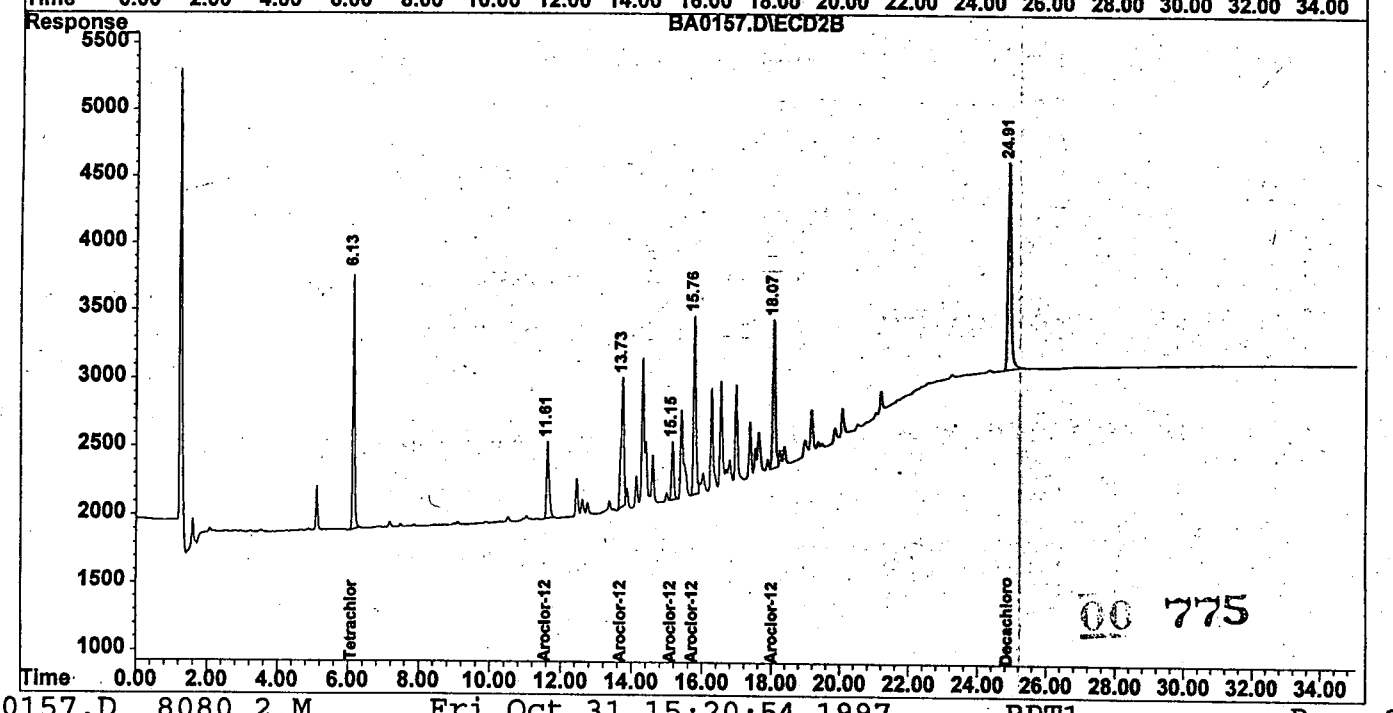
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_B\BA0157.D\ECD2B.CH
Acq On : 28 Oct 97 20:27 Operator:
Sample : AR1254 #1 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:15 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 775

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD2B.CH
Acq On : 28 Oct 97 21:06 Operator:
Sample : AR1254 #2 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:16 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.12	6.13	230075	159489	23.914m	23.650m
Spiked Amount 50.000 Range 43 - 150 Recovery =					47.83%	47.30%
22) SA Decachlorobiphen	29.60	24.91	555200	241145	25.530m	25.627m
Spiked Amount 50.000 Range 24 - 154 Recovery =					51.06%	51.25%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
45) L6 Aroclor-1254{1}	14.16	11.61	54762	97242	403.453	441.072m
46) L6 Aroclor-1254{2}	15.57	13.73	165988	182796	450.222m	436.502m
47) L6 Aroclor-1254{3}	15.89	15.15	226898	64178	492.353m	429.313
48) L6 Aroclor-1254{4}	18.56	15.76	183604	210458	453.016m	433.103
49) L6 Aroclor-1254{5}	19.91	18.07	360132	199938	417.300m	439.967
Sum Aroclor-1254			991384	754611	2216.344	2179.957
Average Aroclor-1254					443.269	435.991
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

00 776

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD2B.CH
Acq On : 28 Oct 97 21:06 Operator:
Sample : AR1254 #2 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:16 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

00 777

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

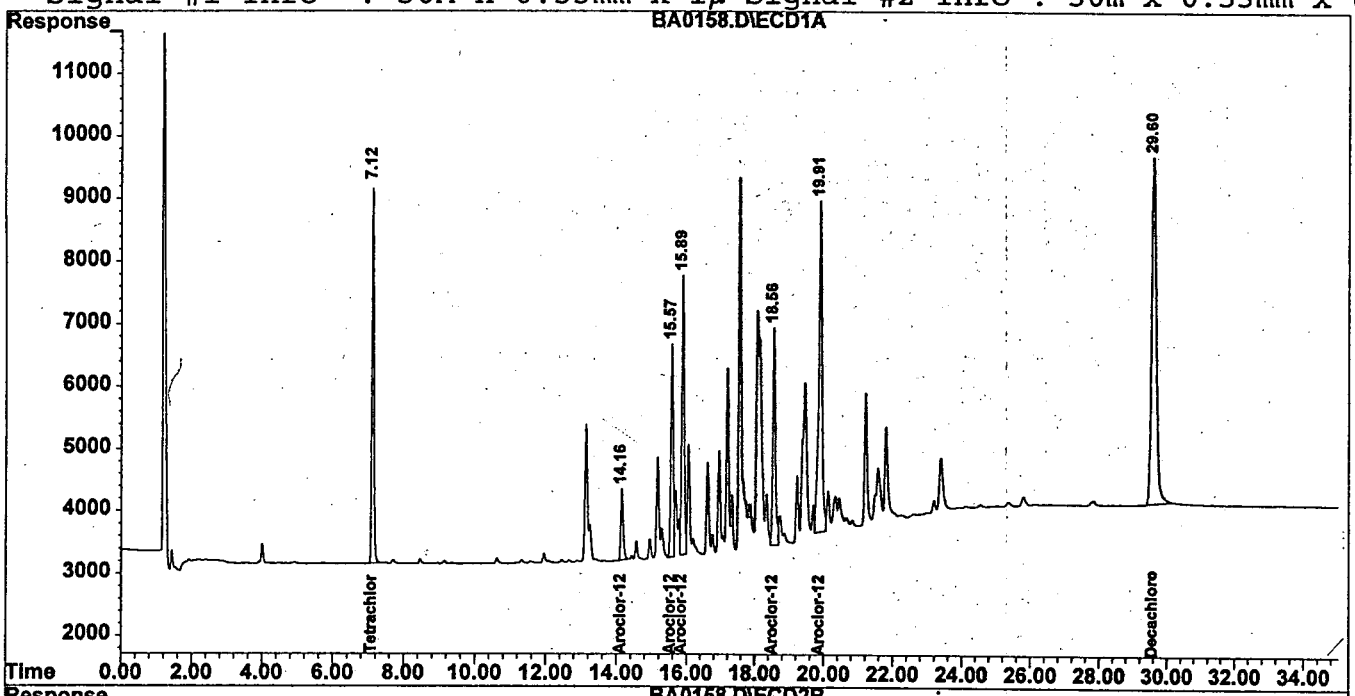
Quantitation Report

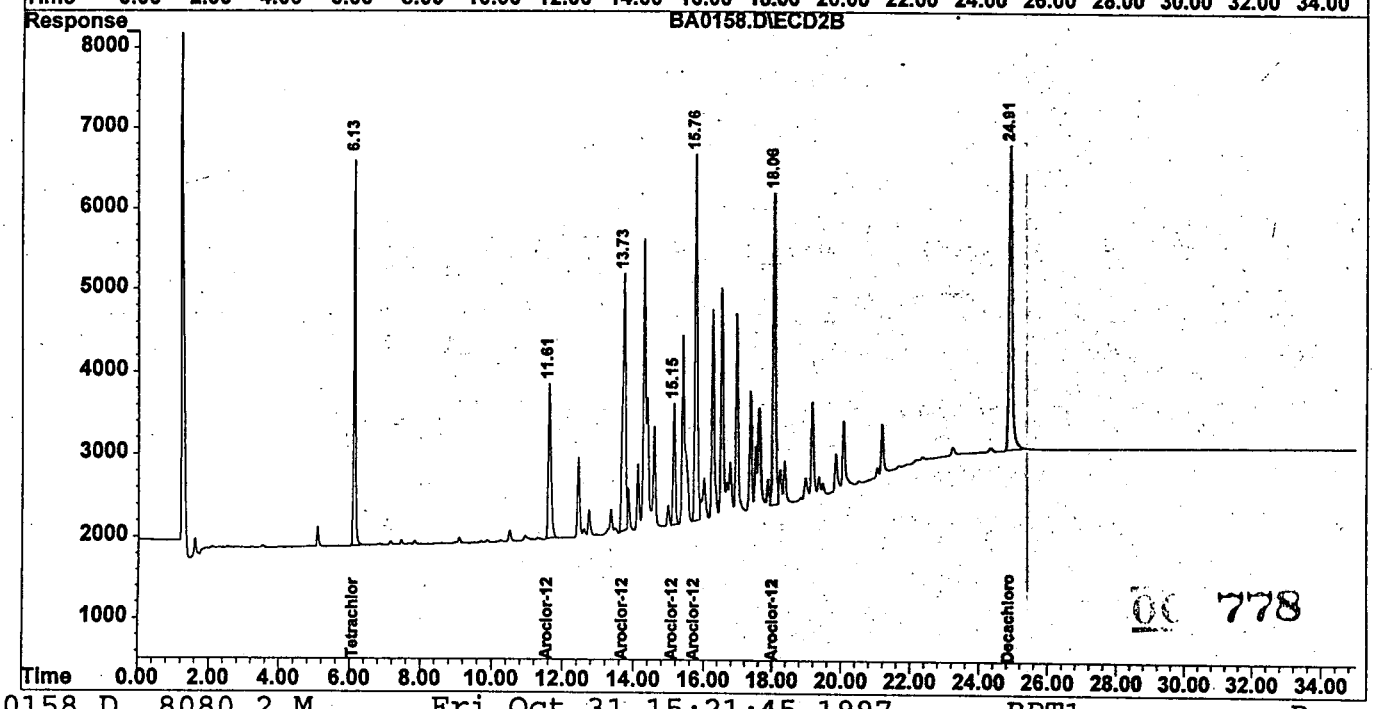
Signal #1 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0158.D\ECD2B.CH
Acq On : 28 Oct 97 21:06
Sample : AR1254 #2
Misc : MIX [L6]
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:16 1997 Quant Results File: 8080_2.RES

Vial: 7
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 778

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD2B.CH
Acq On : 28 Oct 97 21:45 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:46 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.12	6.13	455471	306105	47.342	45.391
Spiked Amount 50.000 Range 43 - 150 Recovery =					94.68%	90.78%
22) SA Decachlorobiphen	29.61	24.91	1034234	442790	47.558	47.056
Spiked Amount 50.000 Range 24 - 154 Recovery =					95.12%	94.11%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
45) L6 Aroclor-1254{1}	14.16	11.61	134998	217336	994.582	985.795
46) L6 Aroclor-1254{2}	15.57	13.73	376037	406820	1019.954	971.455
47) L6 Aroclor-1254{3}	15.89	15.15	519516	145181	1127.312	971.180
48) L6 Aroclor-1254{4}	18.56	15.76	428364	480243	1056.926m	988.297
49) L6 Aroclor-1254{5}	19.90	18.06	879420	463931	1019.021m	1020.889
Sum Aroclor-1254			2338335	1713510	5217.795	4937.616
Average Aroclor-1254					1043.559	987.523
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

00 779

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD2B.CH
Acq On : 28 Oct 97 21:45 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:46 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

QC 780

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

Quantitation Report

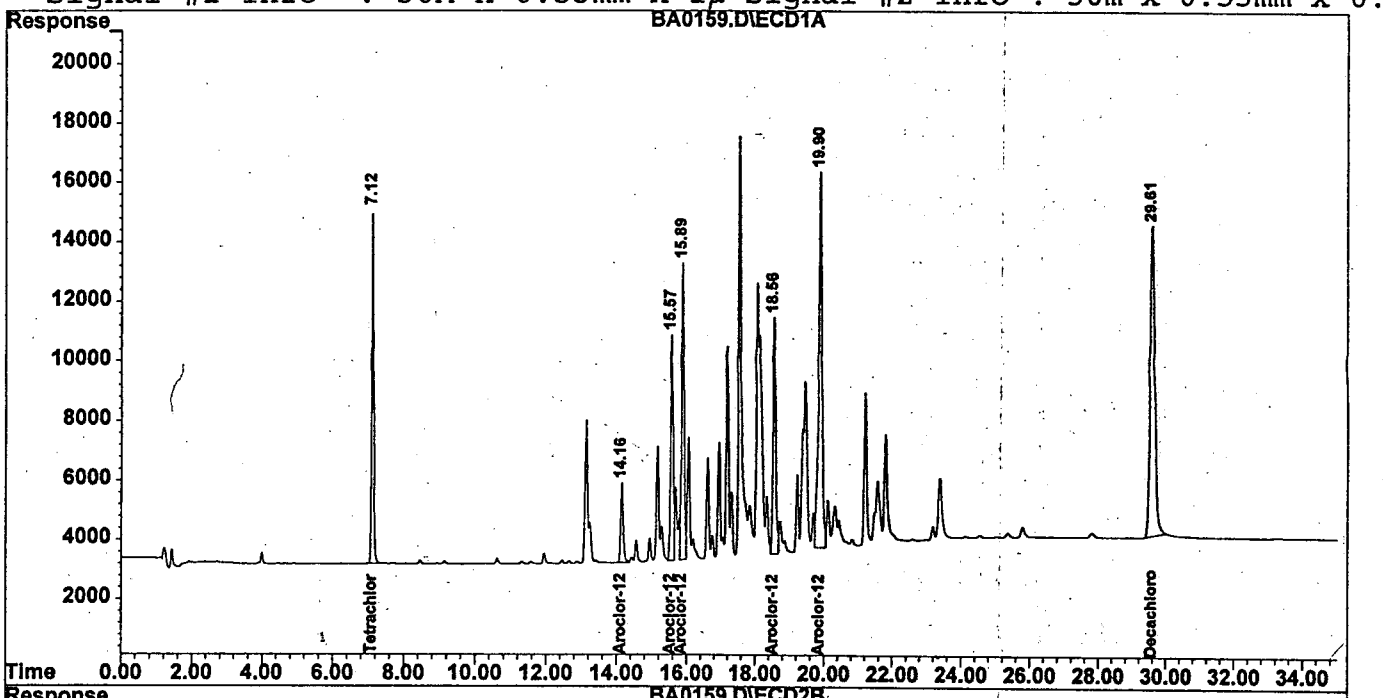
Signal #1 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0159.D\ECD2B.CH
Acq On : 28 Oct 97 21:45
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:46 1997 Quant Results File: 8080_2.RES

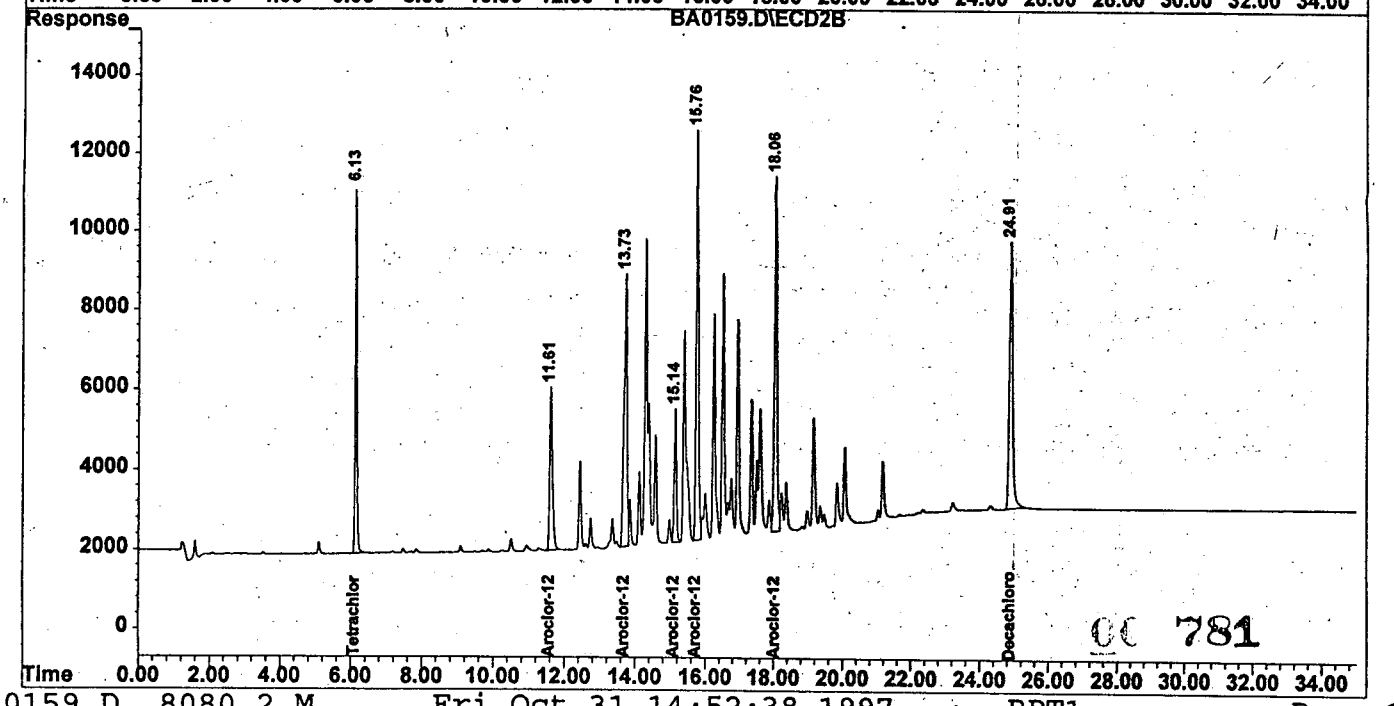
Vial: 8
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

1254

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





CC 781

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD2B.CH
Acq On : 28 Oct 97 22:24 Operator:
Sample : AR1254 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:47 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	6.13	978388	634658	101.695	94.110
Spiked Amount 50.000 Range 43 - 150 Recovery =					203.39%#	188.22%#
22) SA Decachlorobiphen	29.61	24.91	2205835	877861	101.432	93.292
Spiked Amount 50.000 Range 24 - 154 Recovery =					202.86%#	186.58%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
4[illegible]) L6 Aroclor-1254{1}	14.16	11.61	265594	397843	1956.727	1804.542
46) L6 Aroclor-1254{2}	15.57	13.73	709771	757777	1925.168	1809.511
4[illegible]) L6 Aroclor-1254{3}	15.89	15.14	973833	274965	2113.149	1839.365
4[illegible]) L6 Aroclor-1254{4}	18.56	15.76	816554	921892	2014.729	1897.172
49) L6 Aroclor-1254{5}	19.90	18.06	1754142	913438	2032.599	2010.038
Sum Aroclor-1254			4519895	3265914	10042.373	9360.629
Average Aroclor-1254					2008.475	1872.126
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

782

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD2B.CH
Acq On : 28 Oct 97 22:24 Operator:
Sample : AR1254 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:47 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

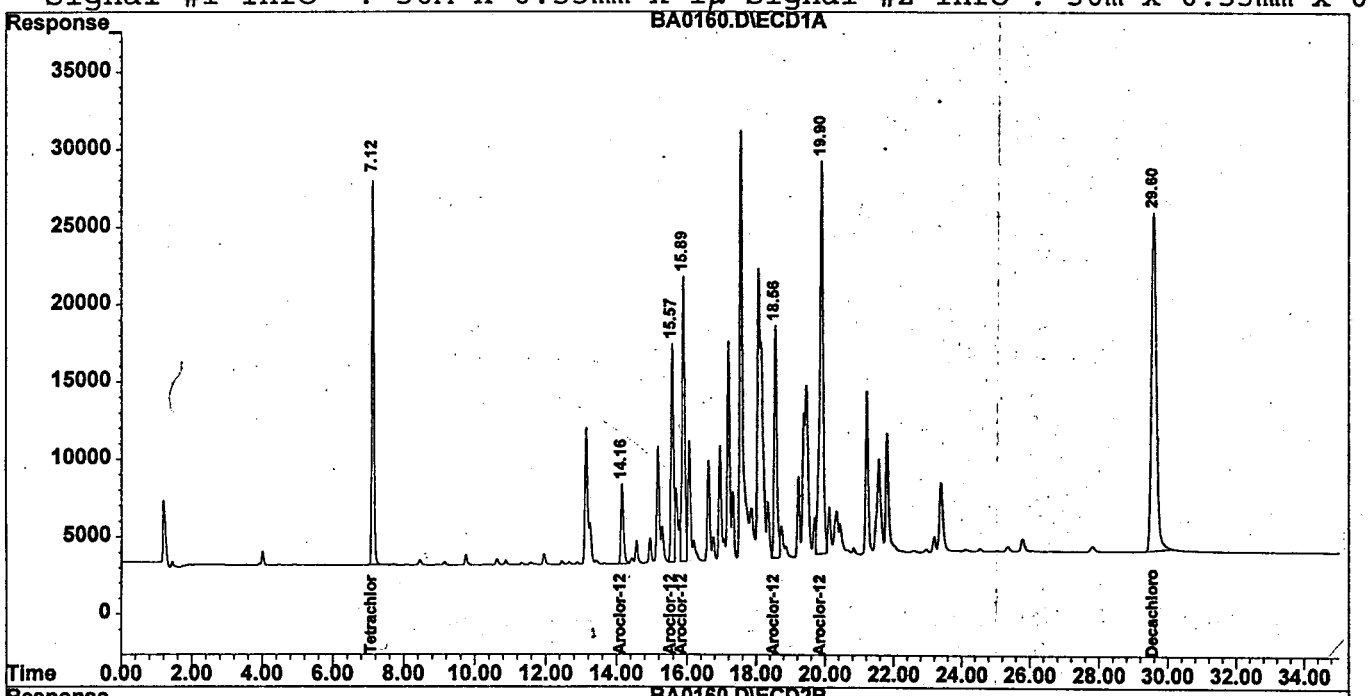
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

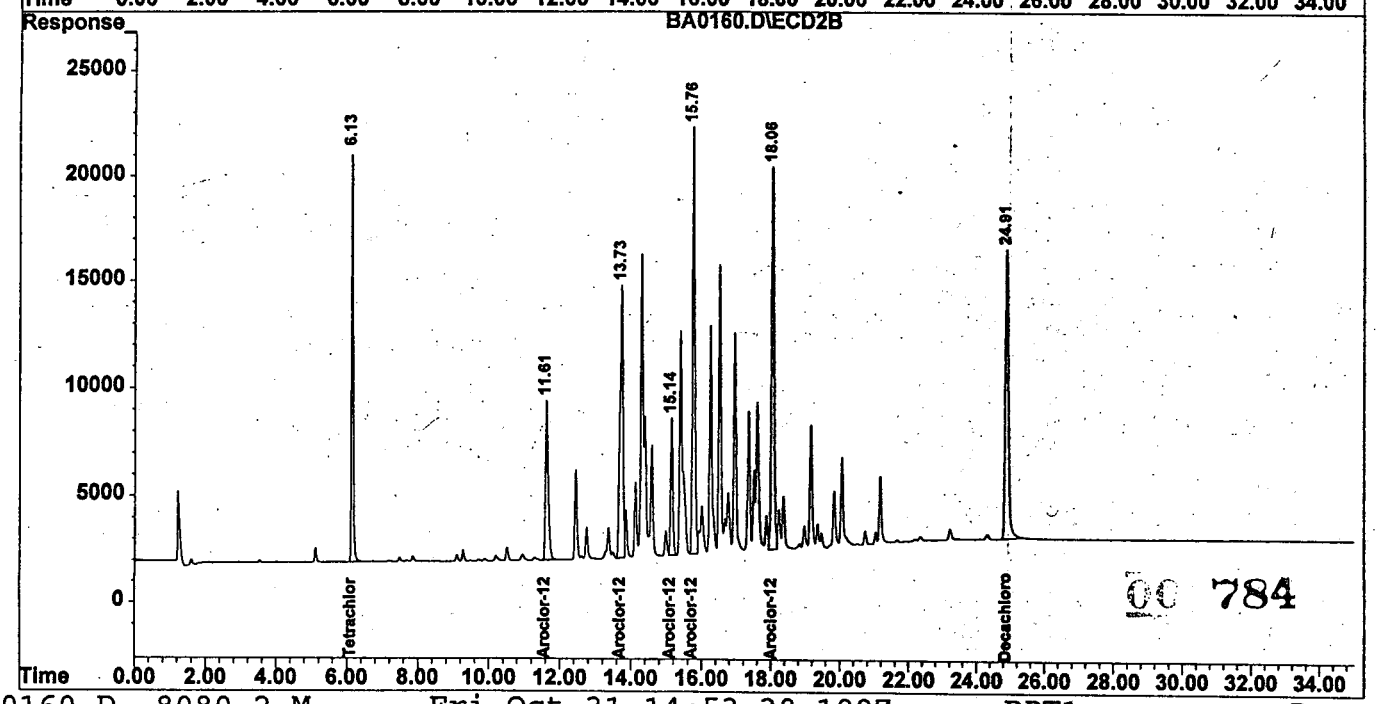
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0160.D\ECD2B.CH
Acq On : 28 Oct 97 22:24 Operator:
Sample : AR1254 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 14:47 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 784

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD2B.CH
Acq On : 28 Oct 97 23:03 Operator:
Sample : AR1254 #5 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.12	6.13	1939781	1227171	201.624m	181.971m
Spiked Amount 50.000 Range 43 - 150 Recovery =					403.25%#	363.94%#
22) SA Decachlorobiphen	29.60	24.91	4247524	1599715	195.317m	170.006m
Spiked Amount 50.000 Range 24 - 154 Recovery =					390.63%#	340.01%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
45) L6 Aroclor-1254{1}	14.16	11.61	590877	840082	4353.204	3810.457m
46) L6 Aroclor-1254{2}	15.57	13.73	1511483	1617010	4099.714	3861.292m
47) L6 Aroclor-1254{3}	15.89	15.14	2081701	601858	4517.144	4026.108
48) L6 Aroclor-1254{4}	18.56	15.76	1798542	2012531	4437.639	4141.611
49) L6 Aroclor-1254{5}	19.90	18.06	4119062	2019059	4772.932	4442.981
Sum Aroclor-1254			10101665	7090541	22180.634	20282.448
Average Aroclor-1254					4436.127	4056.490
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

OC 785

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD2B.CH
Acq On : 28 Oct 97 23:03 Operator:
Sample : AR1254 #5 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

00 786

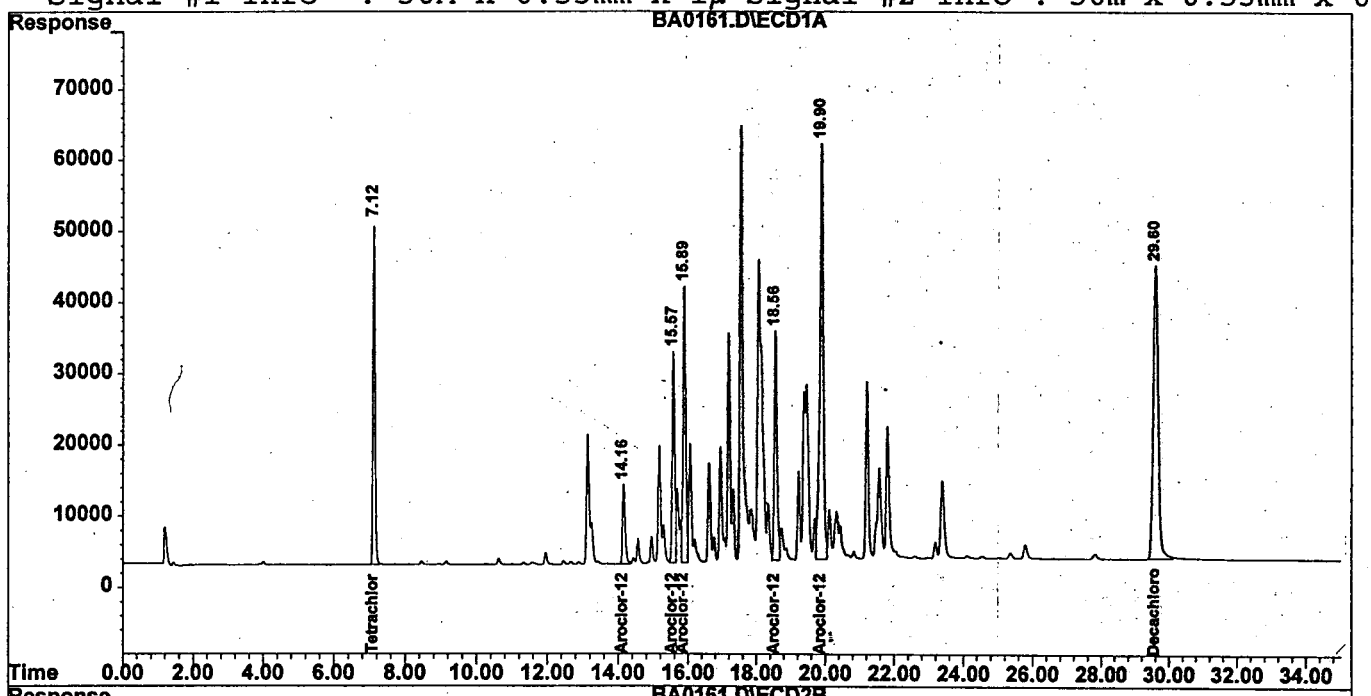
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

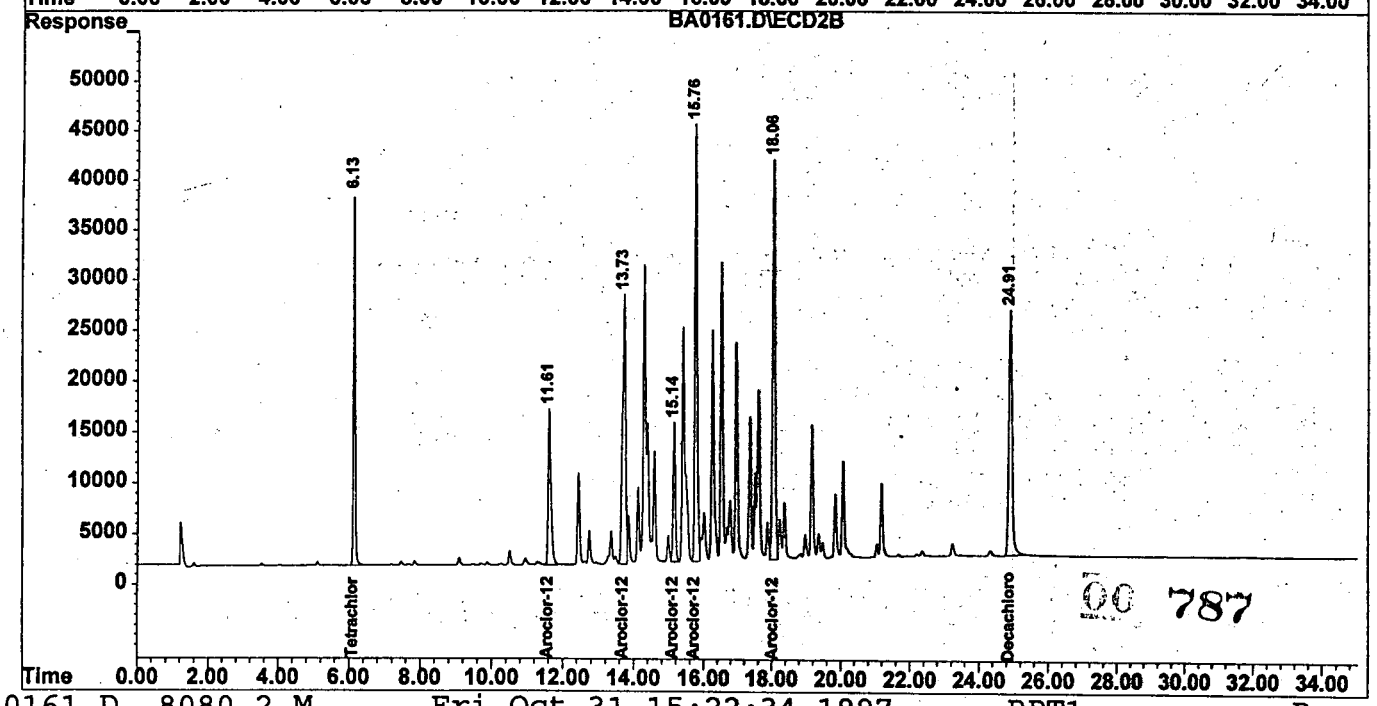
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_B\BA0161.D\ECD2B.CH
Acq On : 28 Oct 97 23:03 Operator:
Sample : AR1254 #5 Inst : GC_5890_2
Misc : MIX [L6] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Oct 31 15:17 1997 Quant Results File: 8080_2.RES

Quant Method : H:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed Oct 29 13:44:46 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 787

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0485.D\ECD1A.CH Vial: 21
Signal #2 : F:\1\DATA_B\BA0485.D\ECD2B.CH
Acq On : 18 Nov 97 13:49 Operator:
Sample : AR1660 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:09 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.23	6.09	86372	62251	9.188	9.863
Spiked Amount 40.000 Range 43 - 150 Recovery =					22.97%#	24.66%#
22) SA Decachlorobiphen	29.52	24.81	138487	78332	8.918	9.056
Spiked Amount 40.000 Range 24 - 154 Recovery =					22.30%#	22.64%#
Target Compounds						
23) L1 Aroclor-1016{1}	9.25	9.03	20006	31886	92.121m	113.125m
24) L1 Aroclor-1016{2}	10.71	10.44	51582	61200	110.064	581.280 #
25) L1 Aroclor-1016{3}	12.03	10.89	78982	27648	108.114	96.092
26) L1 Aroclor-1016{4}	12.53	12.38	26352	26512	89.149m	131.371 #
27) L1 Aroclor-1016{5}	13.33	14.23	29291	14248	100.723	82.422
Sum Aroclor-1016			206214	161495	500.172	1004.291
Average Aroclor-1016					100.034	200.858
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	18.17	16.19	50870	36358	78.927m	97.221
51) L7 Aroclor-1260{2}	18.57	16.89	56152	39800	74.052m	87.019
52) L7 Aroclor-1260{3}	20.13	17.99	38352	45194	62.061	70.352
53) L7 Aroclor-1260{4}	21.21	20.01	39933	62170	58.648	88.098m#
54) L7 Aroclor-1260{5}	21.80	21.13	104933	34884	64.929	63.610
Sum Aroclor-1260			290240	218406	338.617	406.299
Average Aroclor-1260					67.723	81.260

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

QC 788

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0485.D\ECD1A.CH Vial: 21
Signal #2 : F:\1\DATA_B\BA0485.D\ECD2B.CH
Acq On : 18 Nov 97 13:49 Operator:
Sample : AR1660 #1 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:09 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

789

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

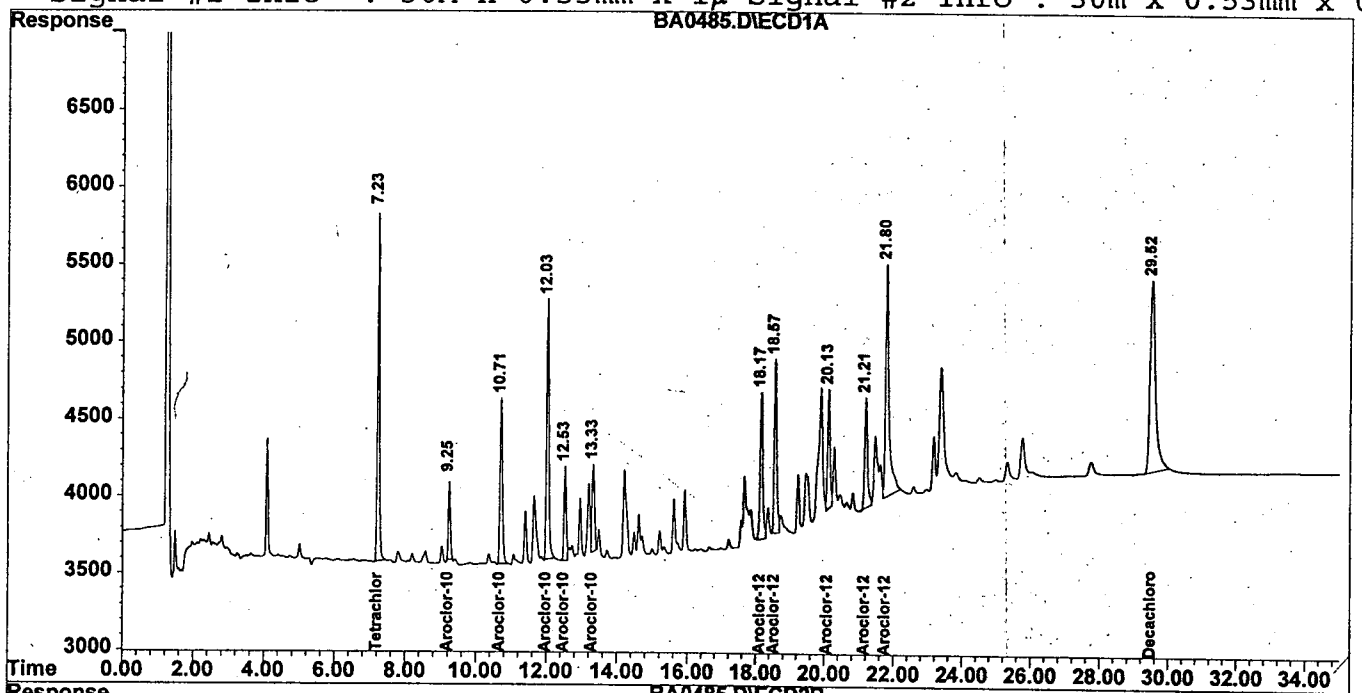
Quantitation Report

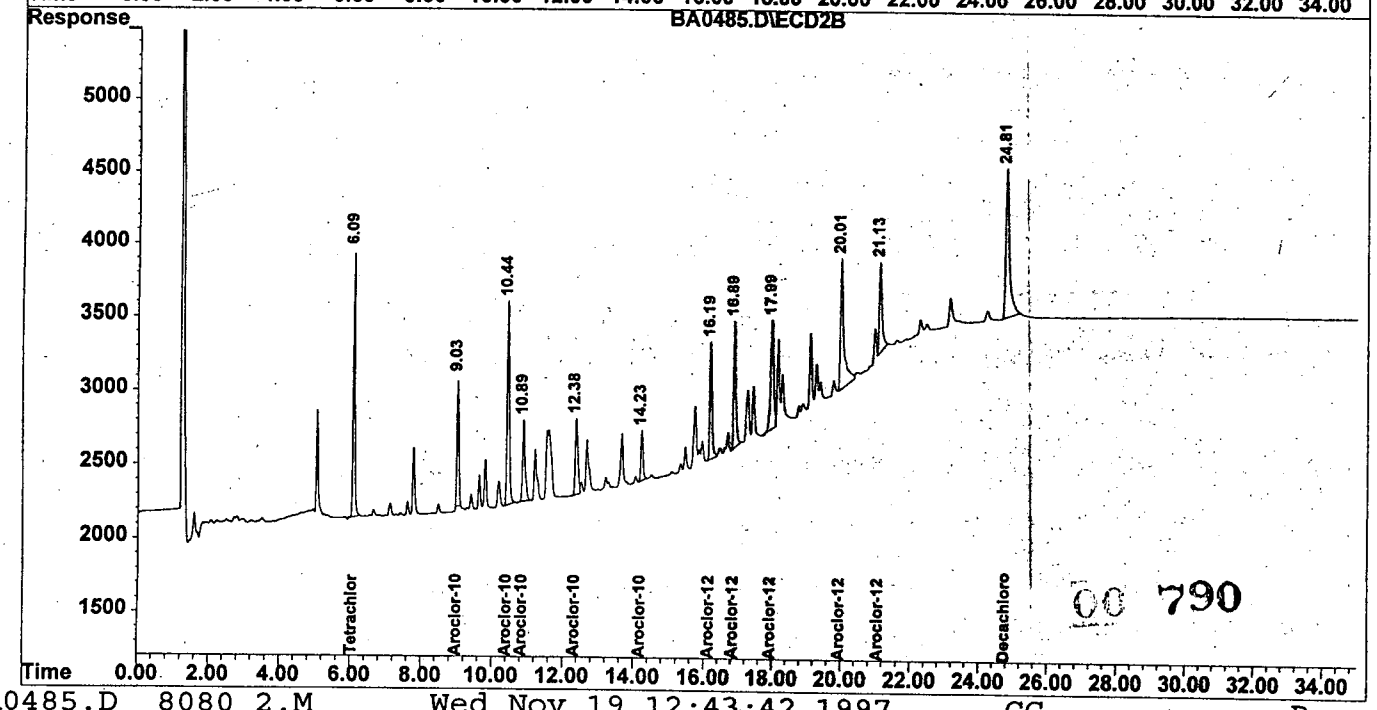
Signal #1 : F:\1\DATA_B\BA0485.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0485.D\ECD2B.CH
Acq On : 18 Nov 97 13:49
Sample : AR1660 #1
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:09 1997 Quant Results File: 8080_2.RES

Vial: 21
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





00 790

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0486.D\ECD1A.CH Vial: 22
Signal #2 : F:\1\DATA_B\BA0486.D\ECD2B.CH
Acq On : 18 Nov 97 14:28 Operator:
Sample : AR1660 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:10 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.23	6.09	233905	155452	24.883	24.629
Spiked Amount 40.000 Range 43 - 150 Recovery =					62.21%	61.57%
22) SA Decachlorobiphen	29.52	24.80	387405	219887	24.946	25.421
Spiked Amount 40.000 Range 24 - 154 Recovery =					62.37%	63.55%
Target Compounds						
23) L1 Aroclor-1016{1}	9.24	9.02	104170	146132	479.670m	518.447m
24) L1 Aroclor-1016{2}	10.71	10.44	241149	283890	514.554	2696.375 #
25) L1 Aroclor-1016{3}	12.02	10.88	398982	137701	546.143	478.579
26) L1 Aroclor-1016{4}	12.53	12.38	135790	129855	459.377	643.445 #
27) L1 Aroclor-1016{5}	13.33	14.23	166695	75272	573.214	435.446
Sum Aroclor-1016			1046786	772849	2572.958	4772.292
Average Aroclor-1016					514.592	954.458
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	18.16	16.18	261369	173483	405.523	463.894
51) L7 Aroclor-1260{2}	18.57	16.89	309106	205379	407.642	449.037
52) L7 Aroclor-1260{3}	20.13	17.99	205875	237117	333.143	369.110
53) L7 Aroclor-1260{4}	21.20	20.00	224425	308428	329.609	437.058m#
54) L7 Aroclor-1260{5}	21.79	21.12	631856	224113	390.975	408.665
Sum Aroclor-1260			1632630	1148520	1866.892	2127.765
Average Aroclor-1260					373.378	425.553

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0486.D\ECD1A.CH Vial: 22
Signal #2 : F:\1\DATA_B\BA0486.D\ECD2B.CH
Acq On : 18 Nov 97 14:28 Operator:
Sample : AR1660 #2 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:10 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

792

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

Quantitation Report

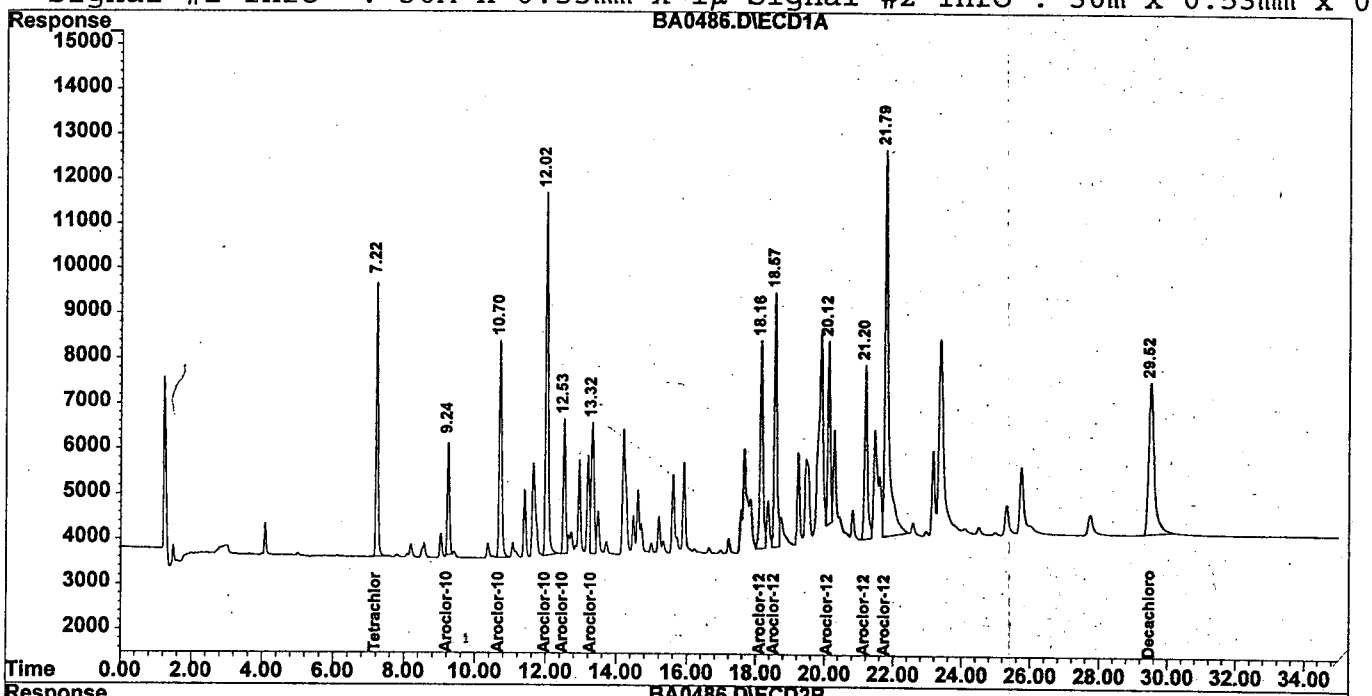
Signal #1 : F:\1\DATA_B\BA0486.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0486.D\ECD2B.CH
Acq On : 18 Nov 97 14:28
Sample : AR1660 #2
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 12:10 1997 Quant Results File: 8080_2.RES

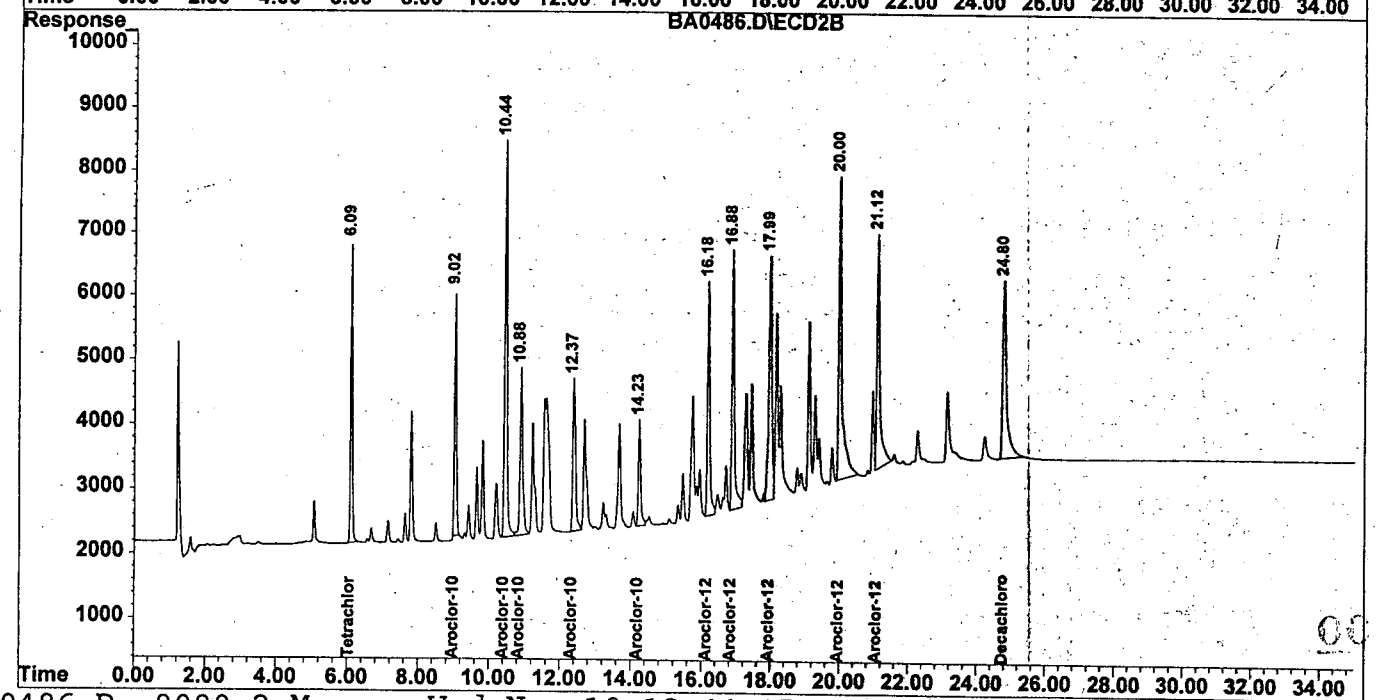
Vial: 22

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0468.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_B\BA0468.D\ECD2B.CH
Acq On : 17 Nov 97 15:25 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 9:34 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.22	6.09	434432	277229	46.215	43.922
Spiked Amount 40.000 Range 43 - 150 Recovery =					115.54%	109.81%
22) SA Decachlorobiphen	29.52	24.81	691149	380271	44.506	43.962
Spiked Amount 40.000 Range 24 - 154 Recovery =					111.27%	109.91%
Target Compounds						
23) L1 Aroclor-1016{1}	9.24	9.03	211329	276616	973.104	981.377
24) L1 Aroclor-1016{2}	10.70	10.45	443725	518273	946.802	4922.544 #
25) L1 Aroclor-1016{3}	12.02	10.89	788212	250073	1078.935	869.127
26) L1 Aroclor-1016{4}	12.53	12.38	273282	238875	924.515	1183.651 #
27) L1 Aroclor-1016{5}	13.32	14.24	319066	140128	1097.170	810.639 #
Sum Aroclor-1016			2035613	1423965	5020.525	8767.339
Average Aroclor-1016					1004.105	1753.468
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	18.16	16.19	497672	313915	772.155	839.408
51) L7 Aroclor-1260{2}	18.57	16.89	589780	385040	777.790	841.845
52) L7 Aroclor-1260{3}	20.13	17.99	454516	510406	735.490	794.528
53) L7 Aroclor-1260{4}	21.20	20.01	436165	550057	640.588	779.459
54) L7 Aroclor-1260{5}	21.79	21.12	1207800	464584	747.354	847.159
Sum Aroclor-1260			3185933	2224002	3673.376	4102.399
Average Aroclor-1260					734.675	820.480

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0468.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_B\BA0468.D\ECD2B.CH
Acq On : 17 Nov 97 15:25 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 9:34 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

794

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

Quantitation Report

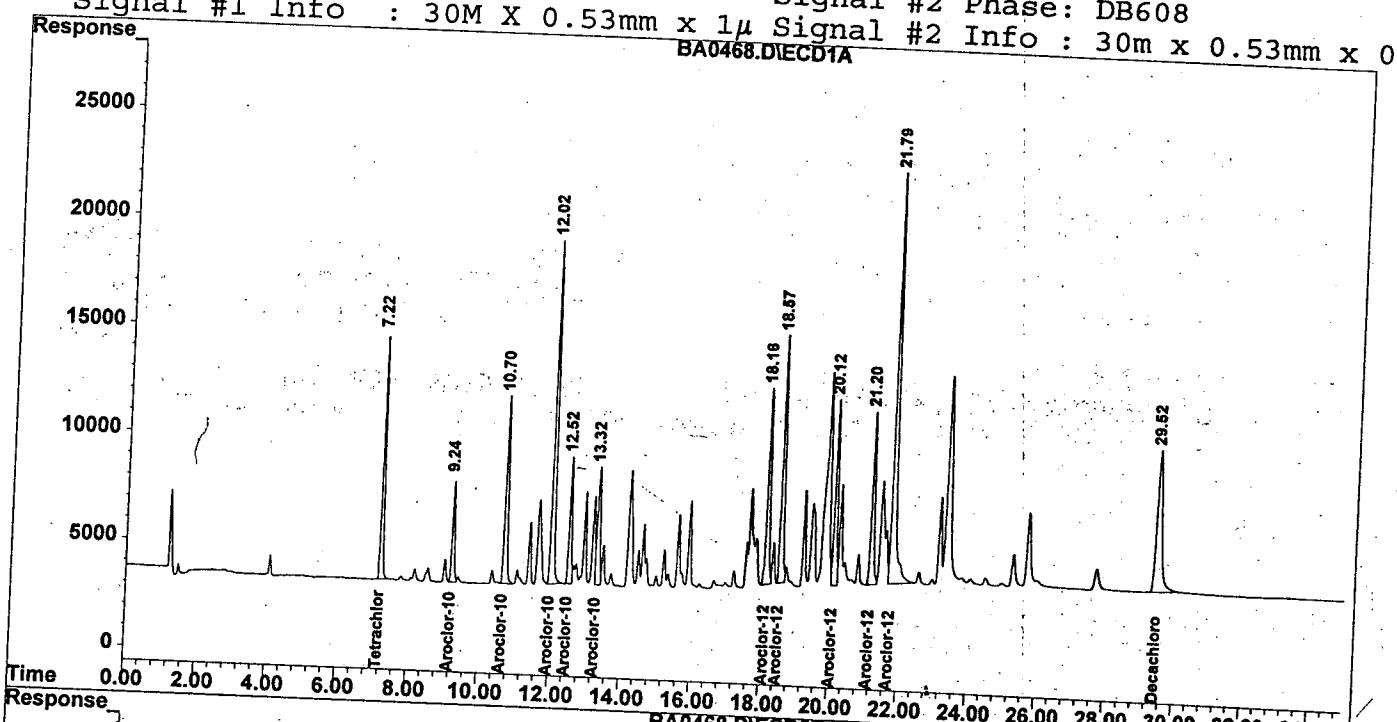
Signal #1 : F:\1\DATA_B\BA0468.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0468.D\ECD2B.CH
Acq On : 17 Nov 97 15:25
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E
Quant Time: Nov 19 9:34 1997

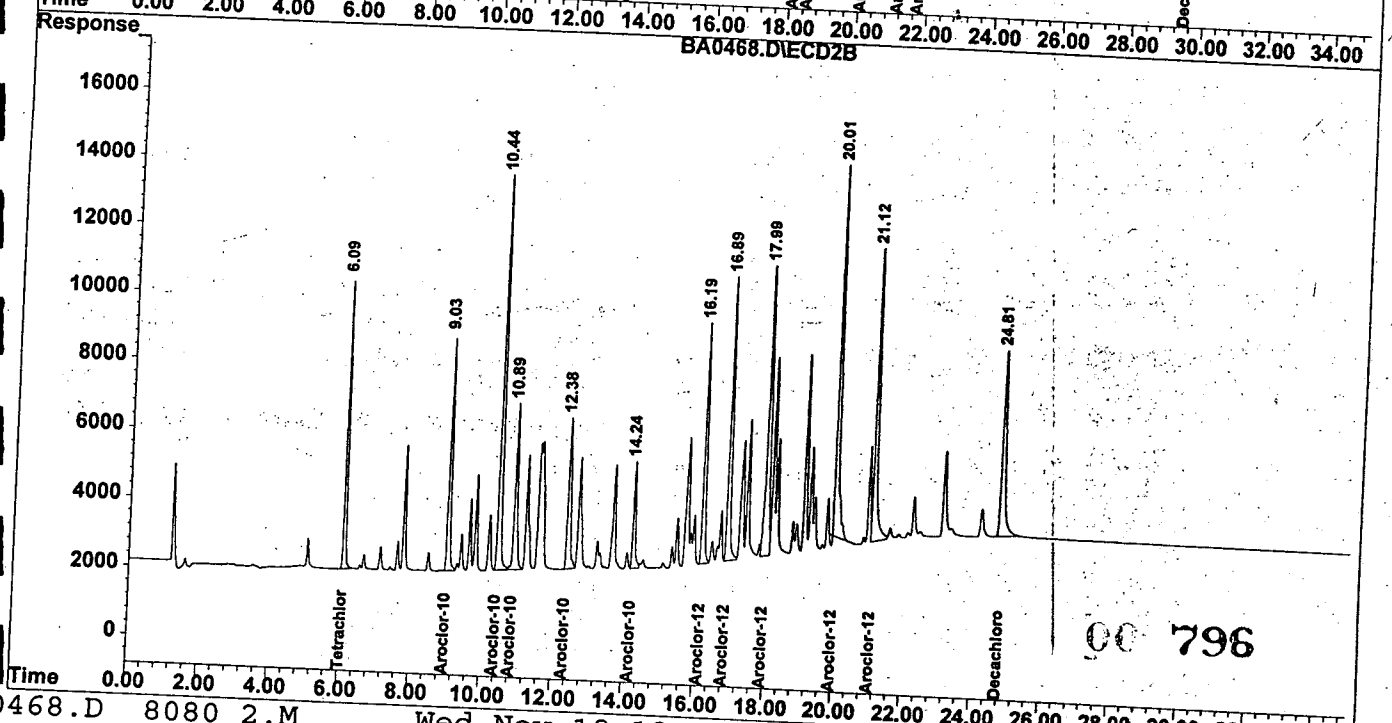
Vial: 4
Operator:
Inst : GC_5890_2
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

1260

Volume Inj. : 2 µl
Signal #1 Phase : DB1701
Signal #1 Info : 30M X 0.53mm x 1µ
Signal #2 Phase: DB608
Signal #2 Info : 30m x 0.53mm x 0.83µ





00 796

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0487.D\ECD1A.CH Vial: 23
Signal #2 : F:\1\DATA_B\BA0487.D\ECD2B.CH
Acq On : 18 Nov 97 15:06 Operator:
Sample : AR1660 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:16 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	7.23	6.09	1008878	633575	107.324	100.380
Spiked Amount 40.000 Range 43 - 150 Recovery =					268.31%#	250.95%#
22) SA Decachlorobiphen	29.51	24.80	1681334	907973	108.267	104.969
Spiked Amount 40.000 Range 24 - 154 Recovery =					270.67%#	262.42%#
Target Compounds						
23) L1 Aroclor-1016{1}	9.24	9.02	428267	546226	1972.033	1937.898
) L1 Aroclor-1016{2}	10.70	10.44	877029	1089141	1871.366	10344.632 #
25) L1 Aroclor-1016{3}	12.02	10.88	1664258	516494	2278.101	1795.071
26) L1 Aroclor-1016{4}	12.53	12.37	543087	504891	1837.269	2501.793 #
) L1 Aroclor-1016{5}	13.32	14.23	649730	297378	2234.226	1720.332
Sum Aroclor-1016			4162370	2954130	10192.994	18299.727
Average Aroclor-1016					2038.599	3659.945
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	18.16	16.18	1034244	656519	1604.665	1755.533
) L7 Aroclor-1260{2}	18.57	16.88	1264338	816245	1667.382	1784.626
) L7 Aroclor-1260{3}	20.12	17.98	1010098	1135572	1634.525	1767.696
53) L7 Aroclor-1260{4}	21.20	20.00	1012365	1239616	1486.842	1756.599m
) L7 Aroclor-1260{5}	21.79	21.11	2711738	1055916	1677.949	1925.440
Sum Aroclor-1260			7032782	4903868	8071.363	8989.894
Average Aroclor-1260					1614.273	1797.979

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

797

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0487.D\ECD1A.CH Vial: 23
Signal #2 : F:\1\DATA_B\BA0487.D\ECD2B.CH
Acq On : 18 Nov 97 15:06 Operator:
Sample : AR1660 #4 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:16 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

798

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

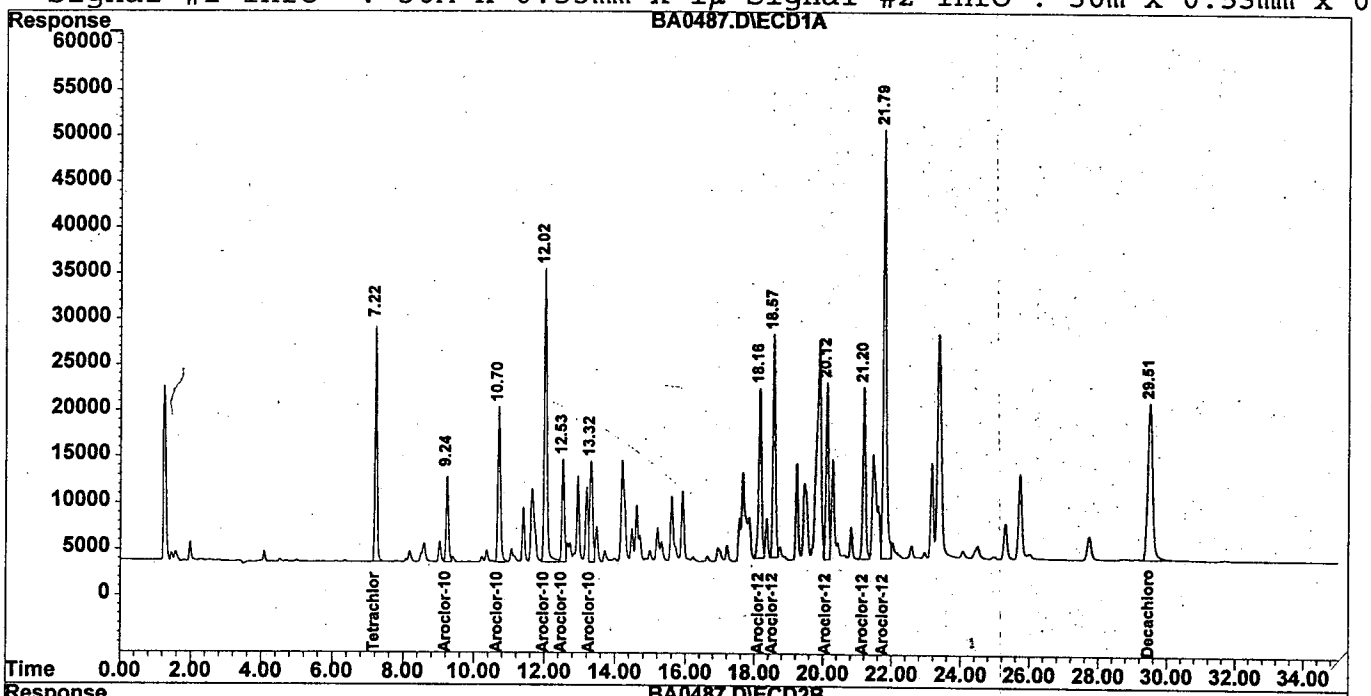
Quantitation Report

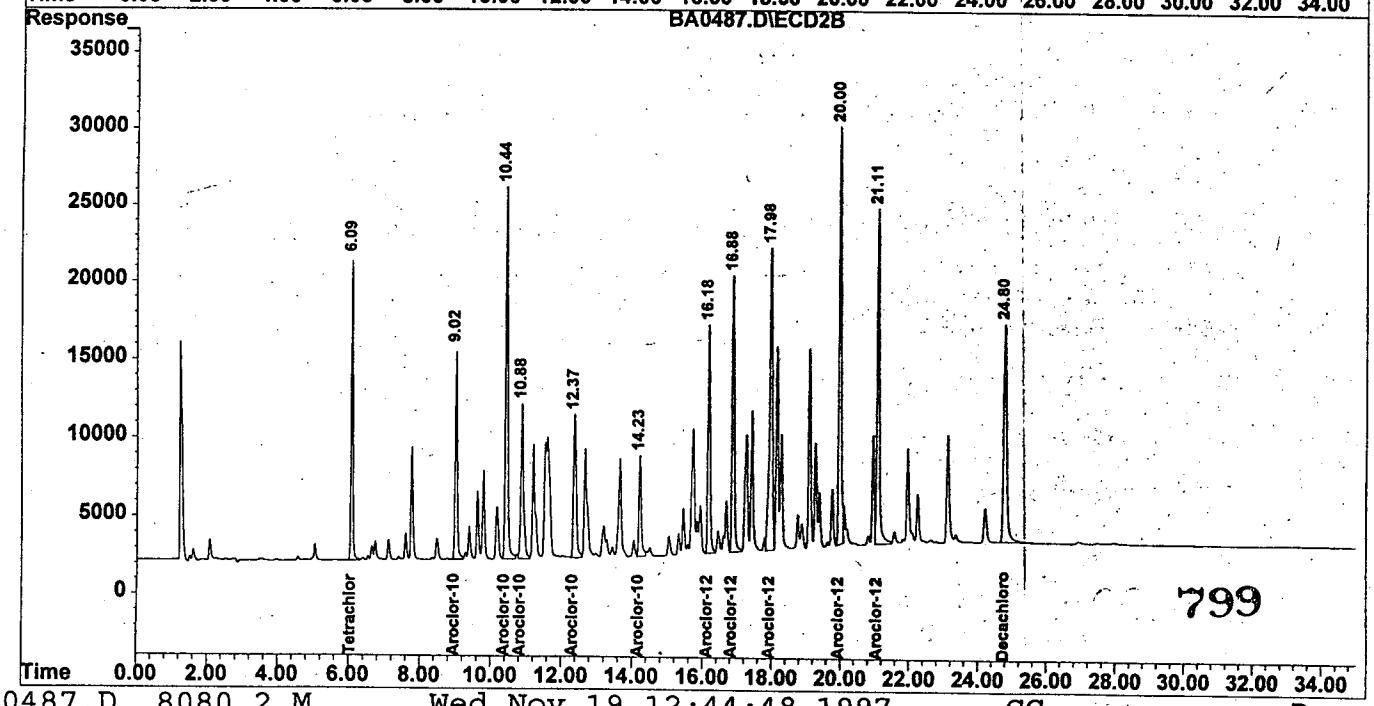
Signal #1 : F:\1\DATA_B\BA0487.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0487.D\ECD2B.CH
Acq On : 18 Nov 97 15:06
Sample : AR1660 #4
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:16 1997 Quant Results File: 8080_2.RES

Vial: 23
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 μl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1μ Signal #2 Info : 30m x 0.53mm x 0.83μ





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ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0488.D\ECD1A.CH Vial: 24
Signal #2 : F:\1\DATA_B\BA0488.D\ECD2B.CH
Acq On : 18 Nov 97 15:45 Operator:
Sample : AR1660 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:19 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.23	6.09	1948547	1178026	207.286	186.639
Spiked Amount 40.000 Range 43 - 150 Recovery =					518.22%#	466.60%#
22) SA Decachlorobiphen	29.52	24.80	3105799	1644781	199.993	190.149
Spiked Amount 40.000 Range 24 - 154 Recovery =					499.98%#	475.37%#
Target Compounds						
23) L1 Aroclor-1016{1}	9.24	9.02	891819	1105847	4106.545	3923.322
24) L1 Aroclor-1016{2}	10.70	10.44	1782347	2229293	3803.096	21173.756 #
25) L1 Aroclor-1016{3}	12.02	10.88	3525280	1053248	4825.541	3660.556
26) L1 Aroclor-1016{4}	12.53	12.37	1260168	1008085	4263.159	4995.175
27) L1 Aroclor-1016{5}	13.32	14.23	1395350	589638	4798.189	3411.052 #
Sum Aroclor-1016			8854965	5986110	21796.530	37163.861
Average Aroclor-1016					4359.306	7432.772
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	18.16	16.18	2126470	1323350	3299.292	3538.641
51) L7 Aroclor-1260{2}	18.57	16.88	2607520	1640583	3438.744	3586.946
52) L7 Aroclor-1260{3}	20.12	17.99	2118303	2278909	3427.803	3547.479
53) L7 Aroclor-1260{4}	21.20	20.00	2134865	2840566	3135.437	4025.228m#
54) L7 Aroclor-1260{5}	21.79	21.11	6264914	2300240	3876.558	4194.438
Sum Aroclor-1260			15252072	10383648	17177.833	18892.731
Average Aroclor-1260					3435.567	3778.546

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

00 800

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_B\BA0488.D\ECD1A.CH
Signal #2 : F:\1\DATA_B\BA0488.D\ECD2B.CH
Acq On : 18 Nov 97 15:45
Sample : AR1660 #5
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:19 1997 Quant Results File: 8080_2.RES

Vial: 24

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000
Sum Chlordane			0	0	N.D.	N.D.
Average Chlordane					0.000	0.000

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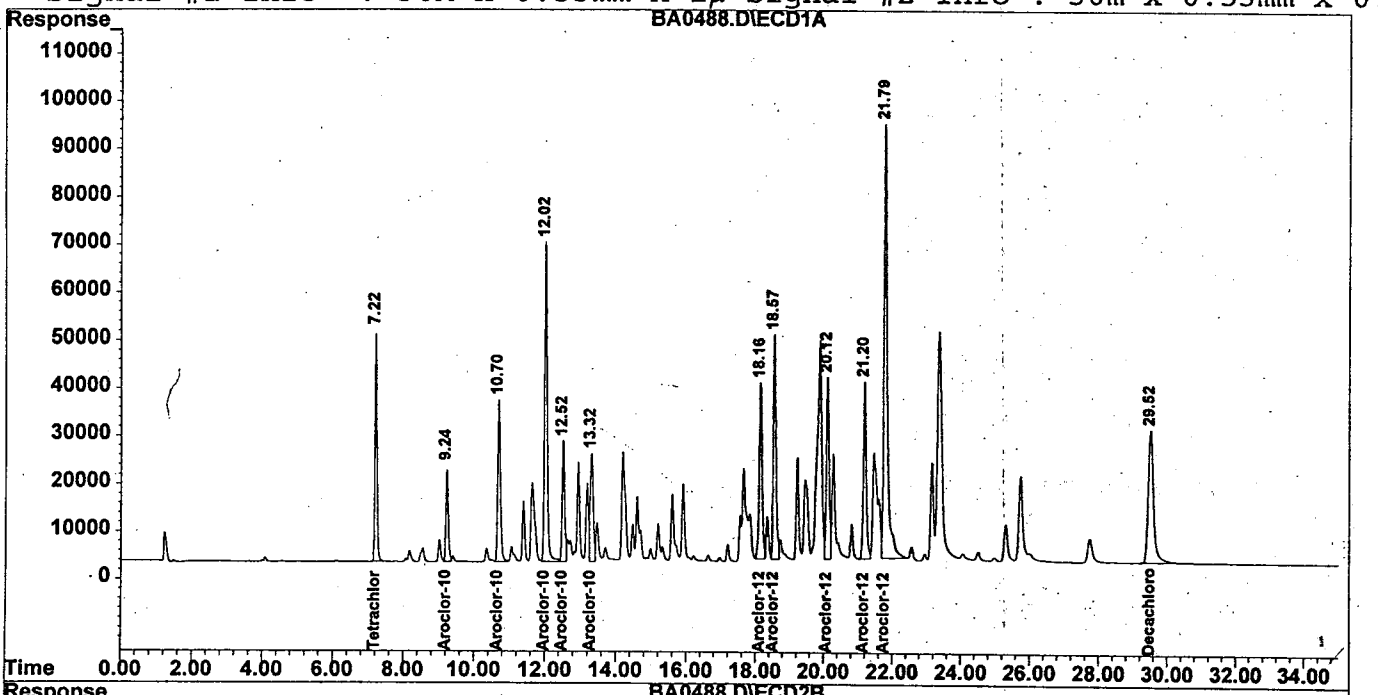
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

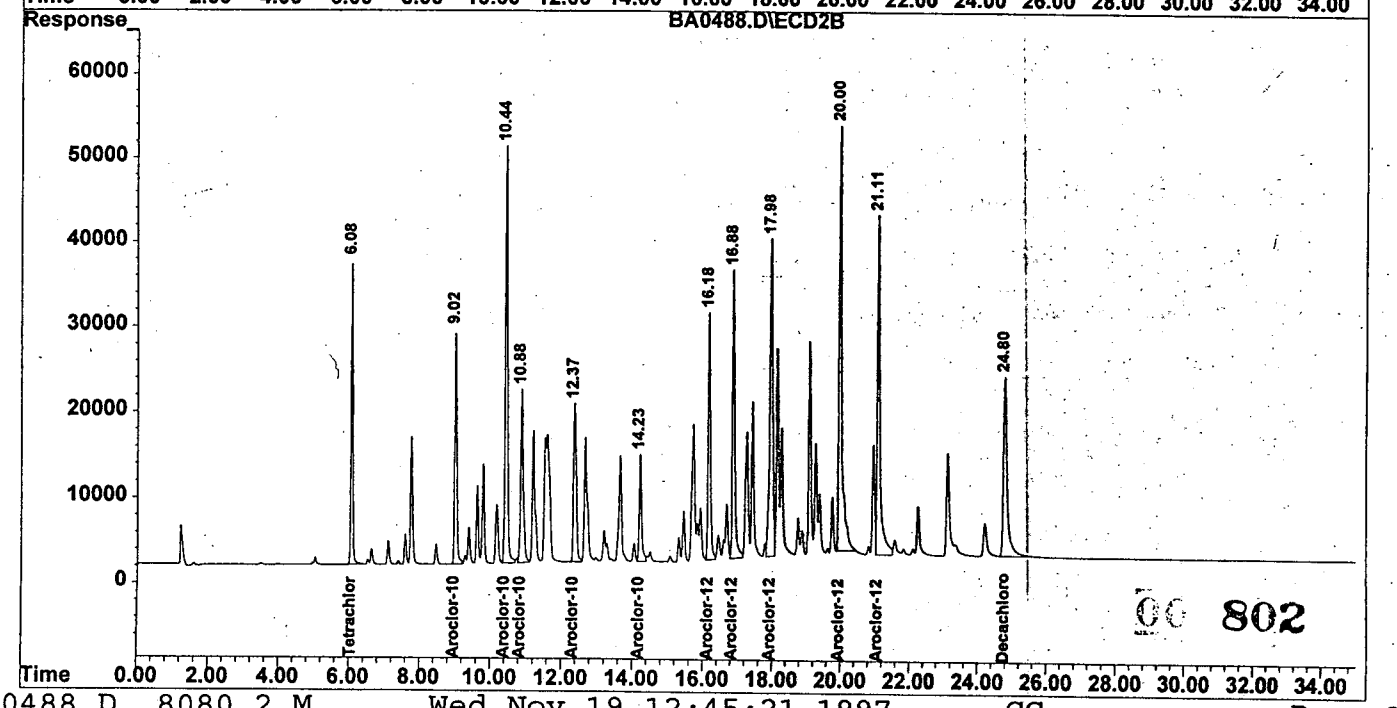
Quantitation Report

Signal #1 : F:\1\DATA_B\BA0488.D\ECD1A.CH Vial: 24
Signal #2 : F:\1\DATA_B\BA0488.D\ECD2B.CH
Acq On : 18 Nov 97 15:45 Operator:
Sample : AR1660 #5 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Nov 19 10:19 1997 Quant Results File: 8080_2.RES

Quant Method : I:\2\METHODS\8080_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Tue Nov 11 15:18:44 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : DB1701 Signal #2 Phase: DB608
Signal #1 Info : 30M X 0.53mm x 1µ Signal #2 Info : 30m x 0.53mm x 0.83µ





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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

CCV #5

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	13757.7	~~13209.3~~	4.0	6.21 - 6.31	12/7/97	22:13
Decachlorobiphenyl	50	23267.1	20596.1	11.5	25.81 - 26.01	12/7/97	22:13
Aroclor-1254-1	1000	374.1	335.8	10.2	11.56 - 11.70	12/7/97	22:13
Aroclor-1254-2	1000	593.4	538.2	9.3	13.76 - 13.90	12/7/97	22:13
Aroclor-1254-3	1000	1299.3	1223.4	5.8	15.56 - 15.70	12/7/97	22:13
Aroclor-1254-4	1000	624.5	611.1	2.2	16.48 - 16.62	12/7/97	22:13
Aroclor-1254-5	1000	1212.9	1118.3	7.8	17.71 - 17.85	12/7/97	22:13

QPC7390.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	14223.2	13207.9	7.1	6.21 - 6.31	12/7/97	22:13
DCB for AR1254 #3	50	23519.9	20960.0	10.9	25.81 - 26.01	12/7/97	22:13

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	19888.5	~~19809.7~~	0.4	5.04 - 5.14	12/7/97	22:13
Decachlorobiphenyl	50	21729.6	~~18660.9~~	14.1	21.35 - 21.55	12/7/97	22:13
Aroclor-1254-1	1000	616.4 ~~499.5~~	576.8	6.4 ~~15.5~~	9.76 - 9.90	12/7/97	22:13
Aroclor-1254-2	1000	1235.2	1176.2	4.8	11.65 - 11.79	12/7/97	22:13
Aroclor-1254-3	1000	988.2	959.4	2.9	12.17 - 12.31	12/7/97	22:13
Aroclor-1254-4	1000	1400.2	1345.2	3.9	13.48 - 13.62	12/7/97	22:13
Aroclor-1254-5	1000	1373.7	1281.4	6.7	15.56 - 15.70	12/7/97	22:13

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	21652. 3	20281.2	6.3	5.04 - 5.14	12/7/97	22:13
DCB for AR1254 #3	50	22813.8	19010.4	16.7	21.35 - 21.55	12/7/97	22:13

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1574.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1574.D\ECD2B.CH
Acq On : 7 Dec 97 22:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:53 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	660467	990486	48.007	49.802
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.02%	124.51%
2) SA Decachlorobiphen	25.91	21.45	1029804	933047	44.260	42.939
Spiked Amount 40.000 Range 24 - 154 Recovery =					110.65%	107.35%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
7) L6 Aroclor-1254{1}	11.63	9.83	335810	576847	897.588m	935.855
8) L6 Aroclor-1254{2}	13.83	11.72	538210	1176241	906.982m	952.282
9) L6 Aroclor-1254{3}	15.63	12.24	1223446	959445	941.593m	970.879
0) L6 Aroclor-1254{4}	16.55	13.55	611088	1345249	978.461m	960.748
1) L6 Aroclor-1254{5}	17.78	15.63	1118331	1281434	922.039	932.845
Sum Aroclor-1254			3826885	5339215	4646.663	4752.608
verage Aroclor-1254					929.333	950.522
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000

emw 12/8/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1574.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1574.D\ECD2B.CH
Acq On : 7 Dec 97 22:13
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Vial: 6
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	660393	1014060	46.431	46.834
Spiked Amount 40.000 Range 43 - 150 Recovery =					116.08%	117.09%
2) SA Decachlorobiphen	25.91	21.45	1048000	950520	44.558	41.664
Spiked Amount 40.000 Range 24 - 154 Recovery =					111.40%	104.16%

Target Compounds

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

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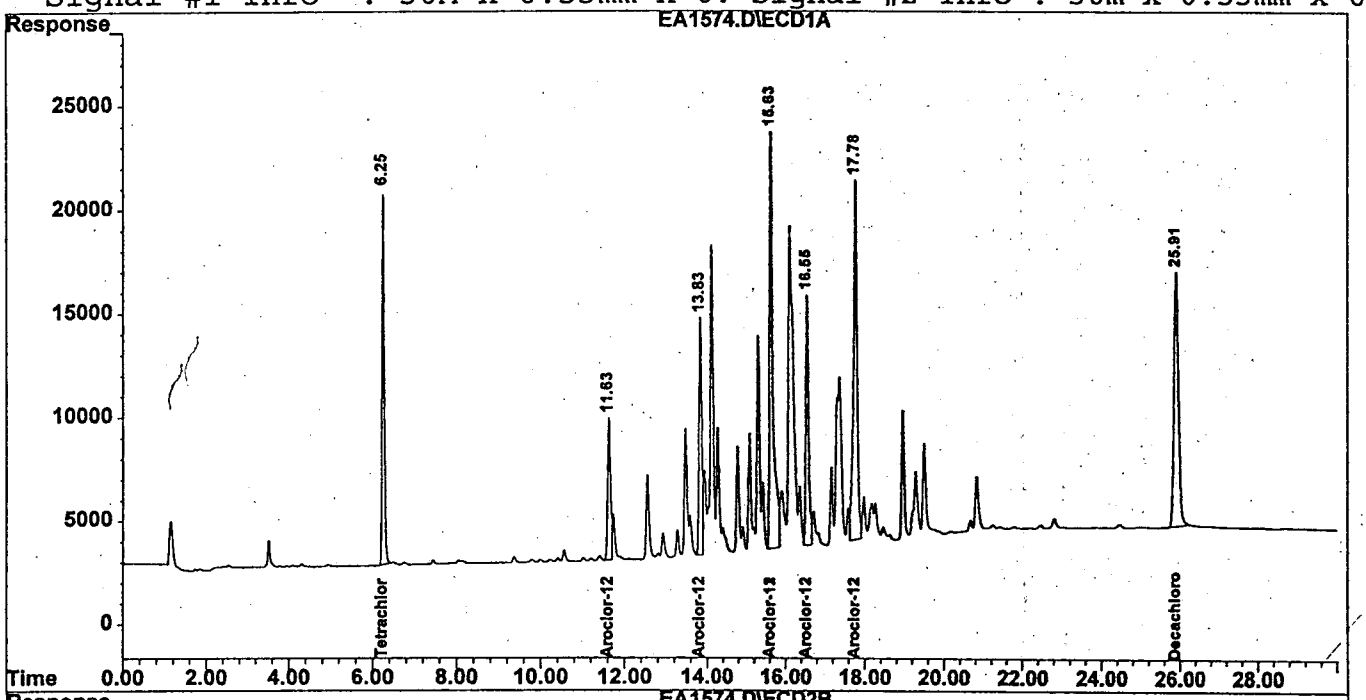
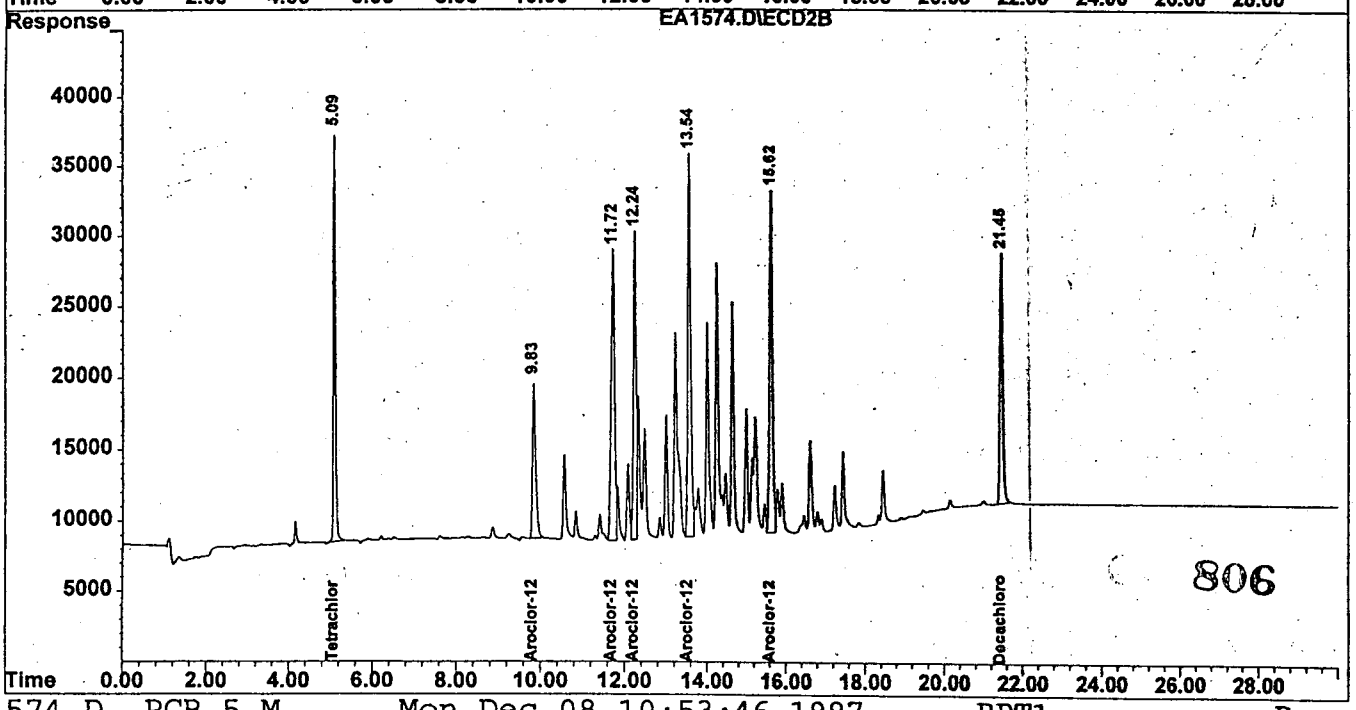
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1574.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1574.D\ECD2B.CH
Acq On : 7 Dec 97 22:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 10:53 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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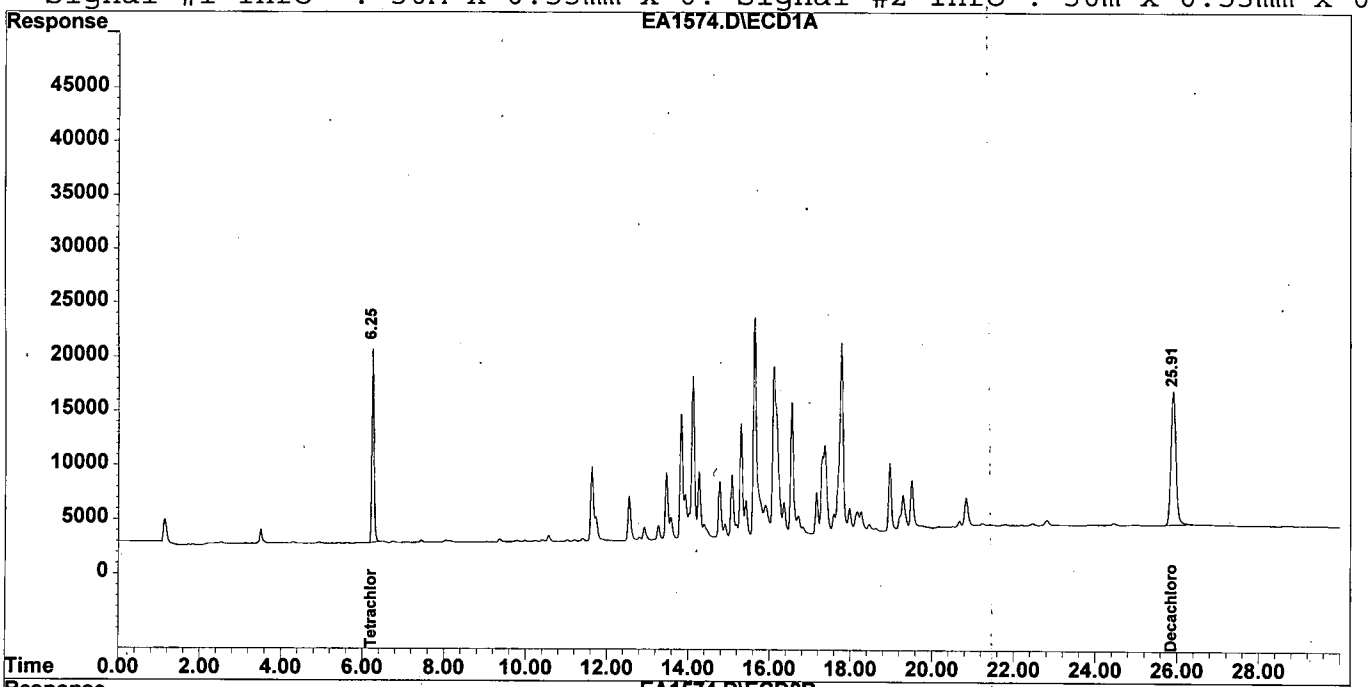
Quantitation Report

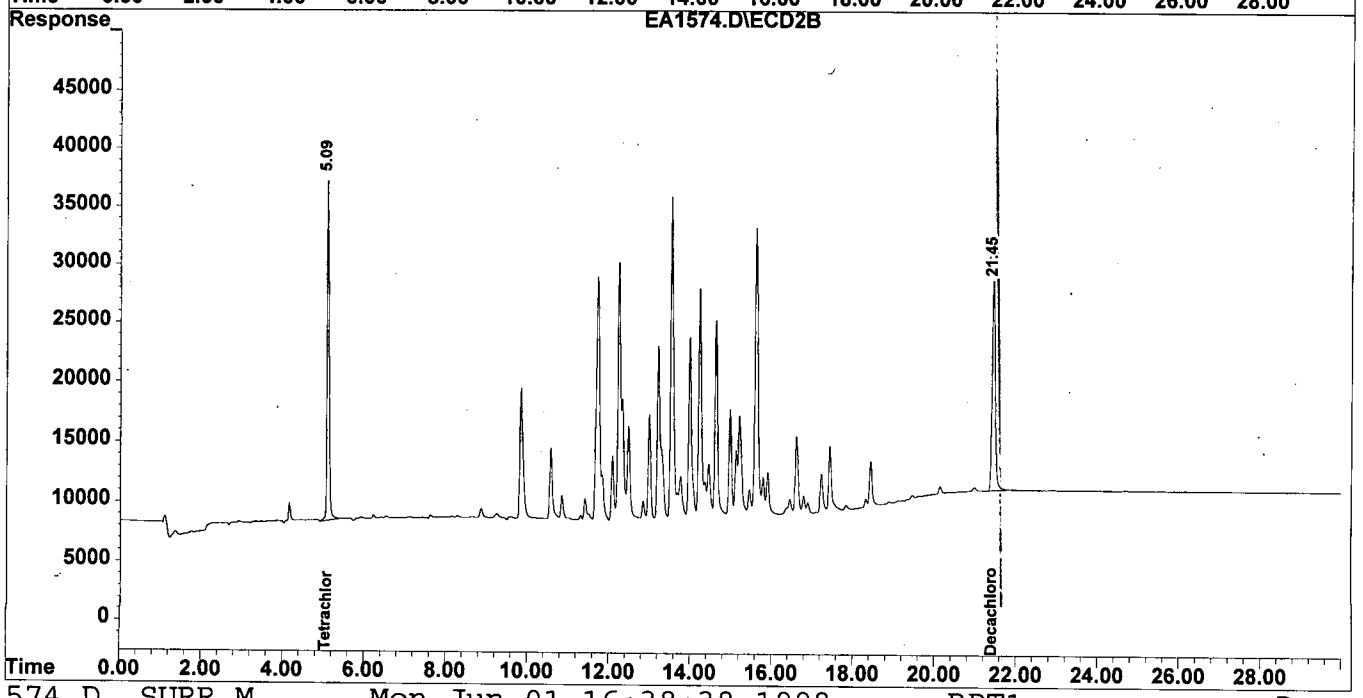
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1574.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDA~1\EA1574.D\ECD2B.CH
Acq On : 7 Dec 97 22:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	14125.1	0.7	6.20 - 6.30	12/8/97	4:57
Decachlorobiphenyl	50	23519.9	22831.8	2.9	25.81 - 26.01	12/8/97	4:57
Aroclor-1254-1	1000	374.1	351.4	6.1	11.56 - 11.70	12/8/97	4:57
Aroclor-1254-2	1000	593.4	552.3	6.9	13.76 - 13.90	12/8/97	4:57
Aroclor-1254-3	1000	1299.3	1182.8	9.0	15.56 - 15.70	12/8/97	4:57
Aroclor-1254-4	1000	624.5	575.7	7.8	16.48 - 16.62	12/8/97	4:57
Aroclor-1254-5	1000	1212.9	1096.7	9.6	17.70 - 17.84	12/8/97	4:57

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QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	21542.6	0.5	5.03 - 5.13	12/8/97	4:57
Decachlorobiphenyl	50	22813.8	22545.1	1.2	21.35 - 21.55	12/8/97	4:57
Aroclor-1254-1	1000	616.4	610.6	0.9	9.76 - 9.90	12/8/97	4:57
Aroclor-1254-2	1000	1235.2	1225.6	0.8	11.65 - 11.79	12/8/97	4:57
Aroclor-1254-3	1000	988.2	992.7	0.4	12.17 - 12.31	12/8/97	4:57
Aroclor-1254-4	1000	1400.2	1363.1	2.7	13.47 - 13.61	12/8/97	4:57
Aroclor-1254-5	1000	1373.7	1273.8	7.3	15.55 - 15.69	12/8/97	4:57

QPC7390B.XLS

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AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1586.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1586.D\ECD2B.CH
Acq On : 8 Dec 97 4:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:15 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	703666	1096099	51.147	55.113
Spiked Amount 40.000 Range 43 - 150 Recovery =					127.87%	137.78%
2) SA Decachlorobiphen	25.91	21.45	1055422	1011834	45.361	46.564
Spiked Amount 40.000 Range 24 - 154 Recovery =					113.40%	116.41%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.63	9.83	351419	610627	939.308	990.658
28) L6 Aroclor-1254{2}	13.83	11.72	552290	1225586	930.710m	992.232
29) L6 Aroclor-1254{3}	15.63	12.24	1182759	992660	910.279	1004.490
30) L6 Aroclor-1254{4}	16.55	13.54	575664	1363083	921.741m	973.485
31) L6 Aroclor-1254{5}	17.77	15.62	1096731	1273847	904.230	927.322
Sum Aroclor-1254			3758863	5465803	4606.268	4888.186
Average Aroclor-1254					921.254	977.637
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

809

12/3/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1586.D\ECD1A.CH Vial:
Signal #2 : E:\WESTDATA\EA1586.D\ECD2B.CH
Acq On : 8 Dec 97 4:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	706256	1077128	49.655	49.747
Spiked Amount 40.000 Range 43 - 150 Recovery =					124.14%	124.37%
2) SA Decachlorobiphen	25.91	21.45	1141592	1127256	48.537	49.411
Spiked Amount 40.000 Range 24 - 154 Recovery =					121.34%	123.53%

Target Compounds

809A

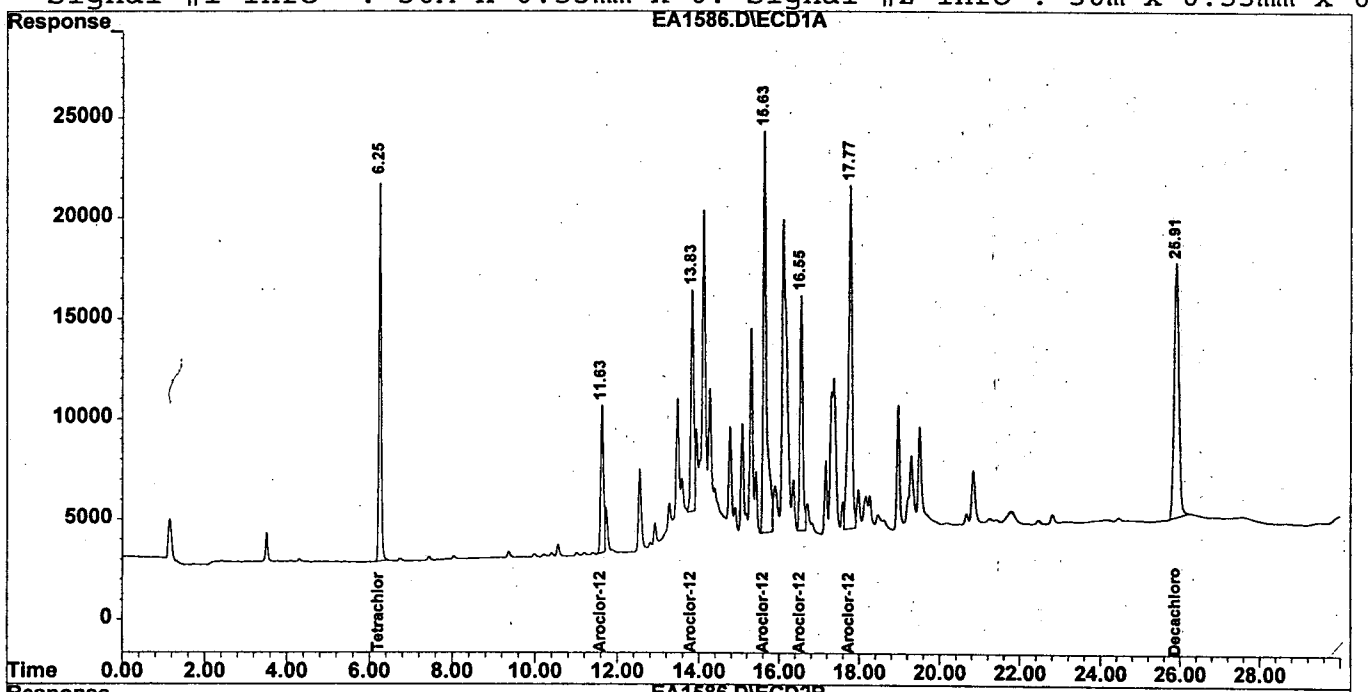
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

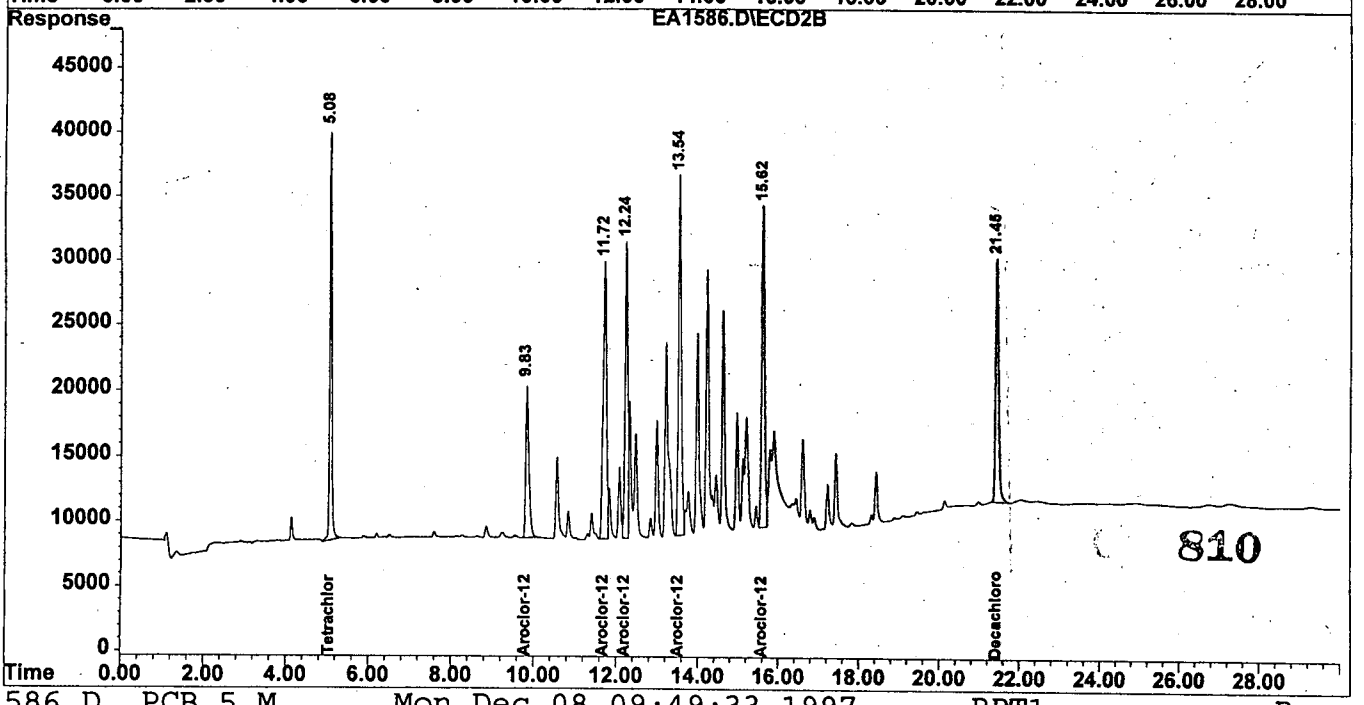
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1586.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_E\EA1586.D\ECD2B.CH
Acq On : 8 Dec 97 4:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:15 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





810

Quantitation Report

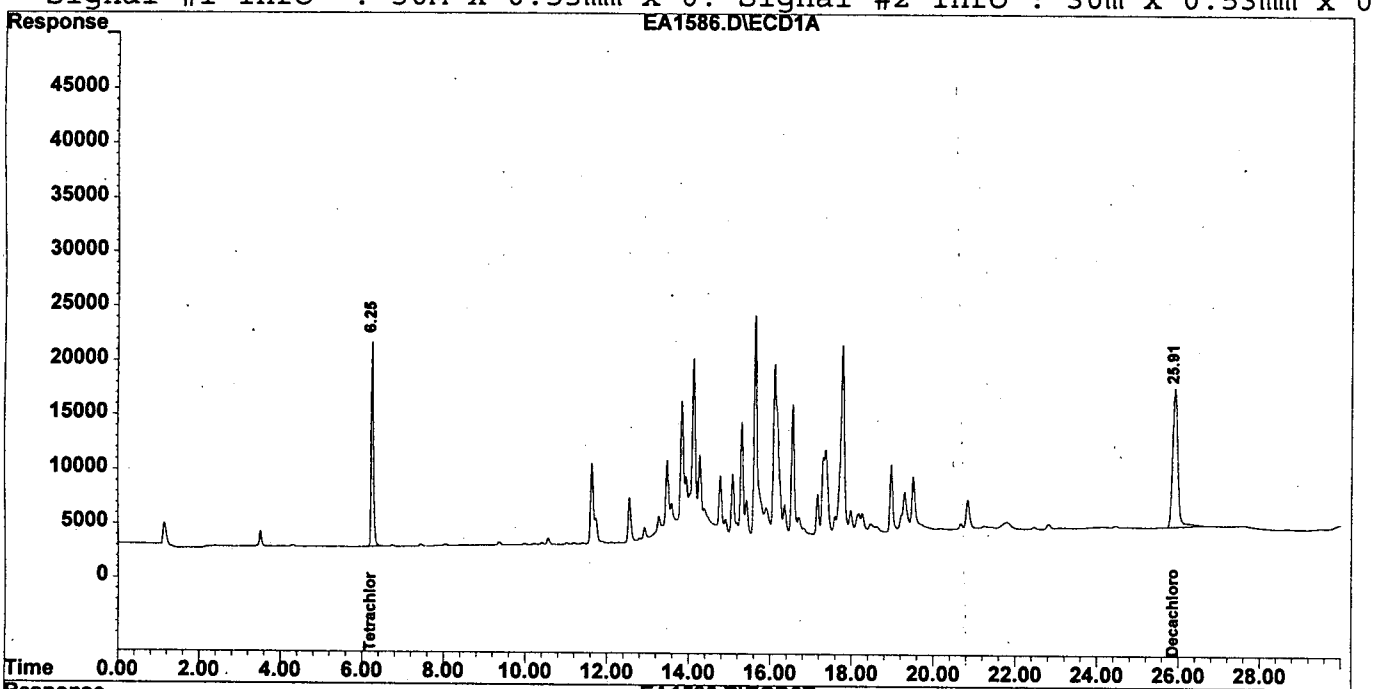
AMENDED REPORT MAY 3 0 1998

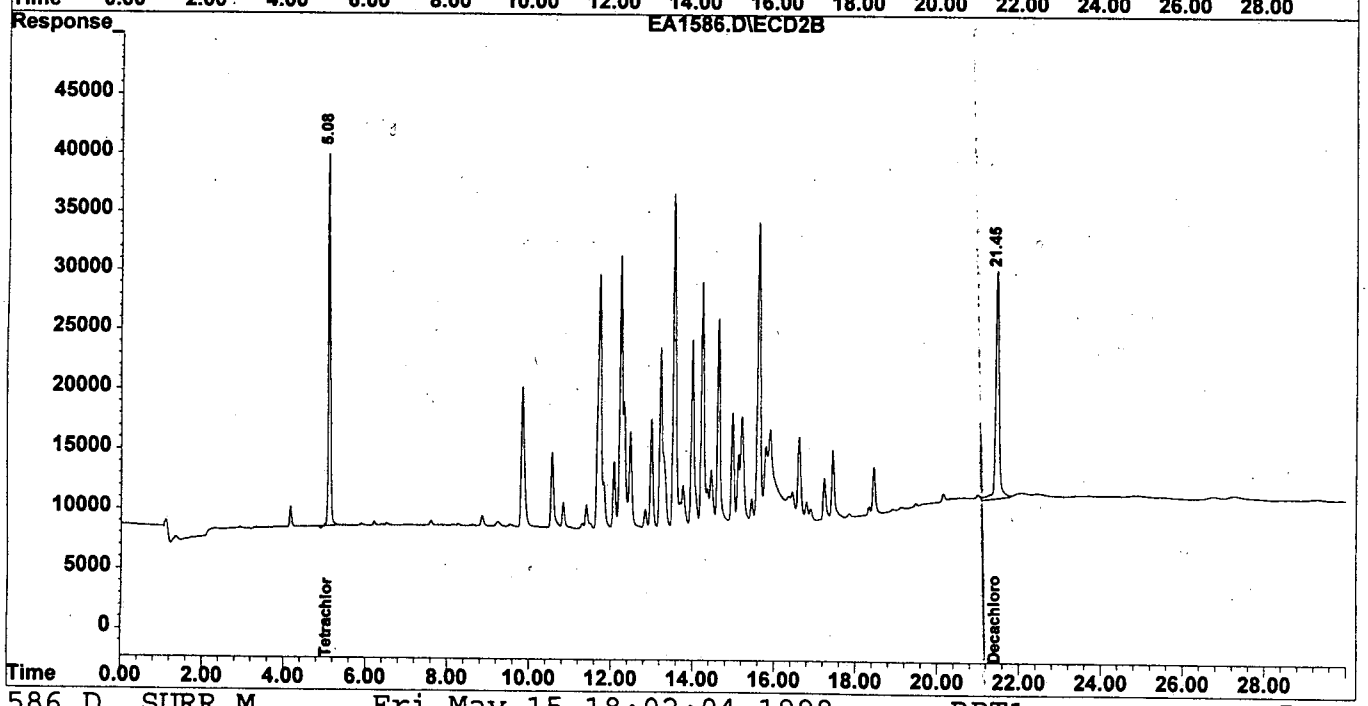
Signal #1 : E:\WESTDATA\EA1586.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1586.D\ECD2B.CH
Acq On : 8 Dec 97 4:57
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:29 1998 Quant Results File: SURR.RES

Vial: 17
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





810A

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	15162.9	6.6	6.20 - 6.30	12/8/97	11:57
Decachlorobiphenyl	50	23519.9	27713.9	17.8	25.80 - 26.00	12/8/97	11:57
Aroclor-1254-1	1000	374.1	373.7	0.1	11.56 - 11.70	12/8/97	11:57
Aroclor-1254-2	1000	593.4	604.8	1.9	13.76 - 13.90	12/8/97	11:57
Aroclor-1254-3	1000	1299.3	1316.0	1.3	15.56 - 15.70	12/8/97	11:57
Aroclor-1254-4	1000	624.5	645.8	3.4	16.48 - 16.62	12/8/97	11:57
Aroclor-1254-5	1000	1212.9	1192.7	1.7	17.70 - 17.84	12/8/97	11:57

QPC7390B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	22285.5	2.9	5.03 - 5.13	12/8/97	11:57
Decachlorobiphenyl	50	22813.8	20747.5	9.1	21.34 - 21.54	12/8/97	11:57
Aroclor-1254-1	1000	616.4	626.6	2.1	9.75 - 9.89	12/8/97	11:57
Aroclor-1254-2	1000	1235.2	1284.1	4.0	11.64 - 11.78	12/8/97	11:57
Aroclor-1254-3	1000	988.2	1048.5	6.1	12.16 - 12.30	12/8/97	11:57
Aroclor-1254-4	1000	1400.2	1483.7	6.0	13.47 - 13.61	12/8/97	11:57
Aroclor-1254-5	1000	1373.7	1423.0	3.6	15.54 - 15.68	12/8/97	11:57

QPC7390B.XLS

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 2 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1597.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_E\EA1597.D\ECD2B.CH
Acq On : 8 Dec 97 11:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 12:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	758250	1107703	55.114	55.696
Spiked Amount 40.000 Range 43 - 150 Recovery =					137.79%	139.24%
2) SA Decachlorobiphen	25.90	21.44	1153816	1018321	49.590	46.863
Spiked Amount 40.000 Range 24 - 154 Recovery =					123.98%	117.16%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.63	9.82	373705	629577	998.877	1021.402
28) L6 Aroclor-1254{2}	13.83	11.71	604800	1284139	1019.199m	1039.636
29) L6 Aroclor-1254{3}	15.63	12.23	1315954	1048508	1012.789m	1061.004
30) L6 Aroclor-1254{4}	16.55	13.54	645806	1483683	1034.051m	1059.615
31) L6 Aroclor-1254{5}	17.77	15.61	1192741	1422981	983.388	1035.886
Sum Aroclor-1254			4133006	5868887	5048.304	5217.542
Average Aroclor-1254					1009.661	1043.508
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

ok 12/8/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1597.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1597.D\ECD2B.CH
Acq On : 8 Dec 97 11:57
Sample : AR1254 #3
Misc :
Vial: 28
Operator:
Inst : GC_5890_5
Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	758145	1114276	53.304	51.462
Spiked Amount 40.000 Range 43 - 150 Recovery =					133.26%	128.66%
2) SA Decachlorobiphen	25.90	21.44	1385696	1037373	58.916	45.471
Spiked Amount 40.000 Range 24 - 154 Recovery =					147.29%	113.68%
Target Compounds						

5/18/8

8 1 3A

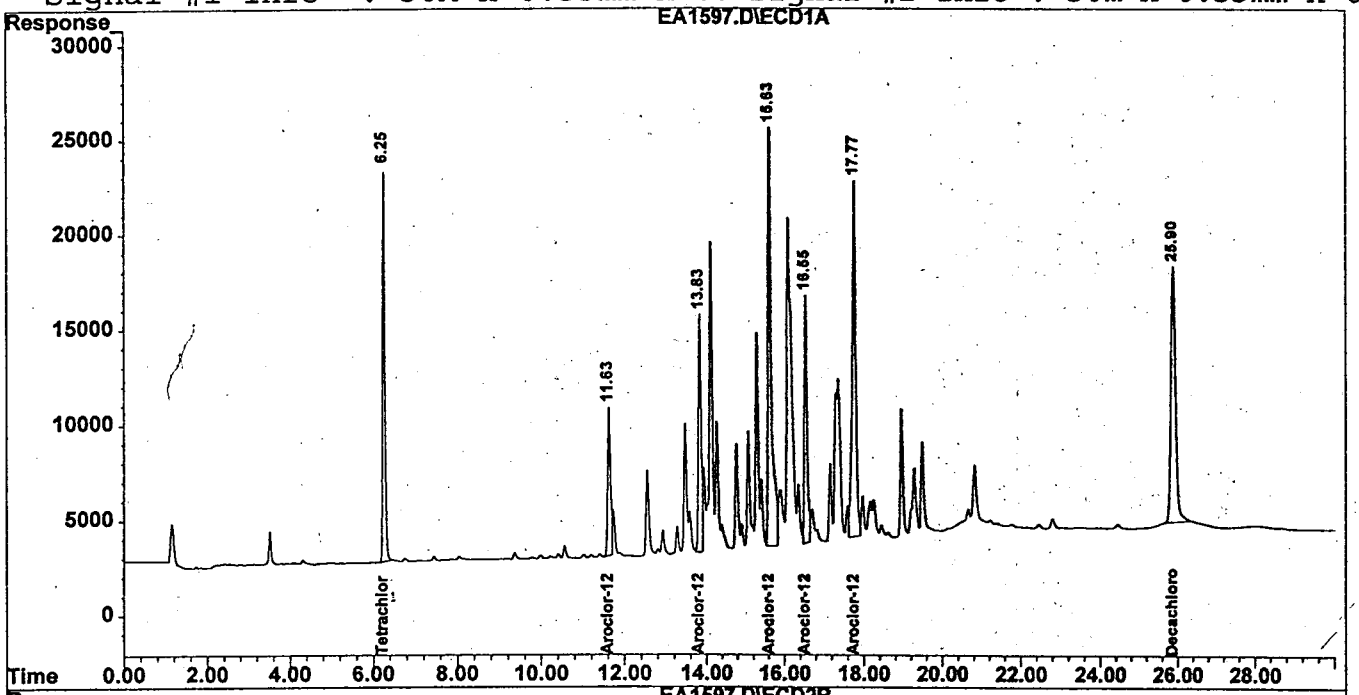
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

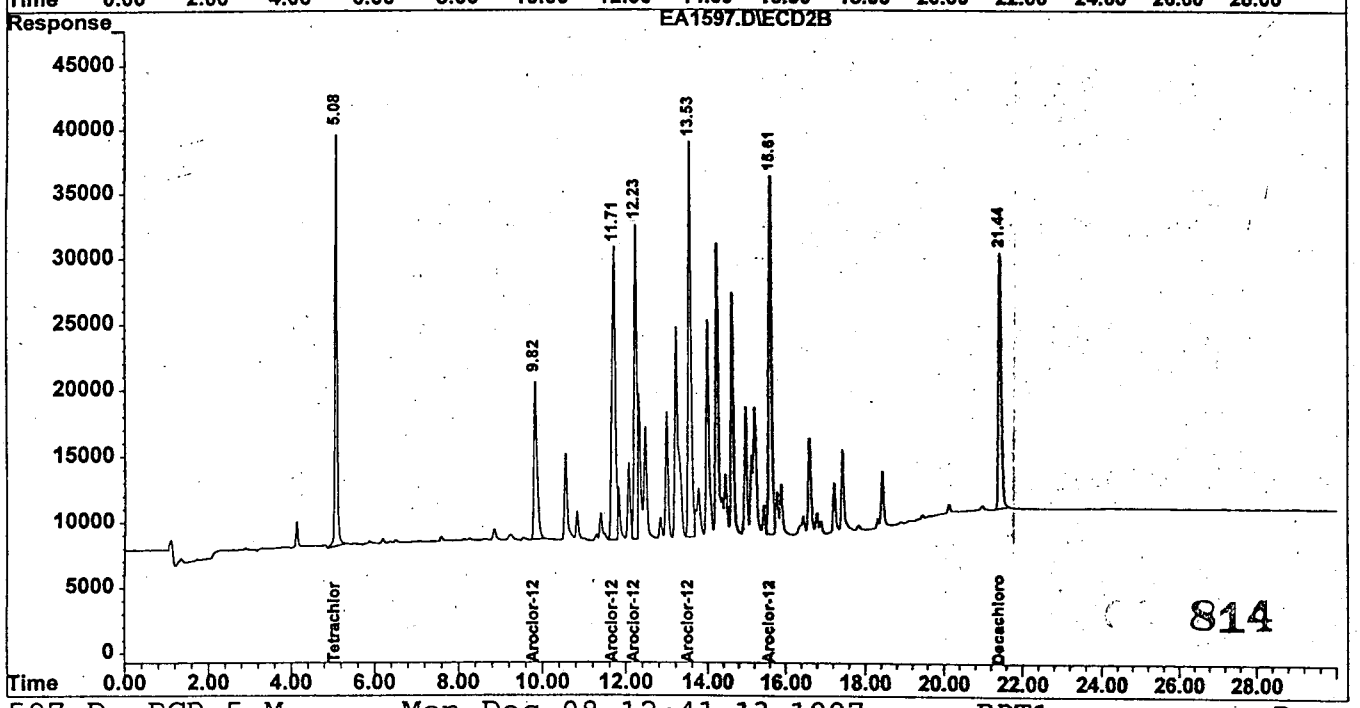
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1597.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_E\EA1597.D\ECD2B.CH
Acq On : 8 Dec 97 11:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 12:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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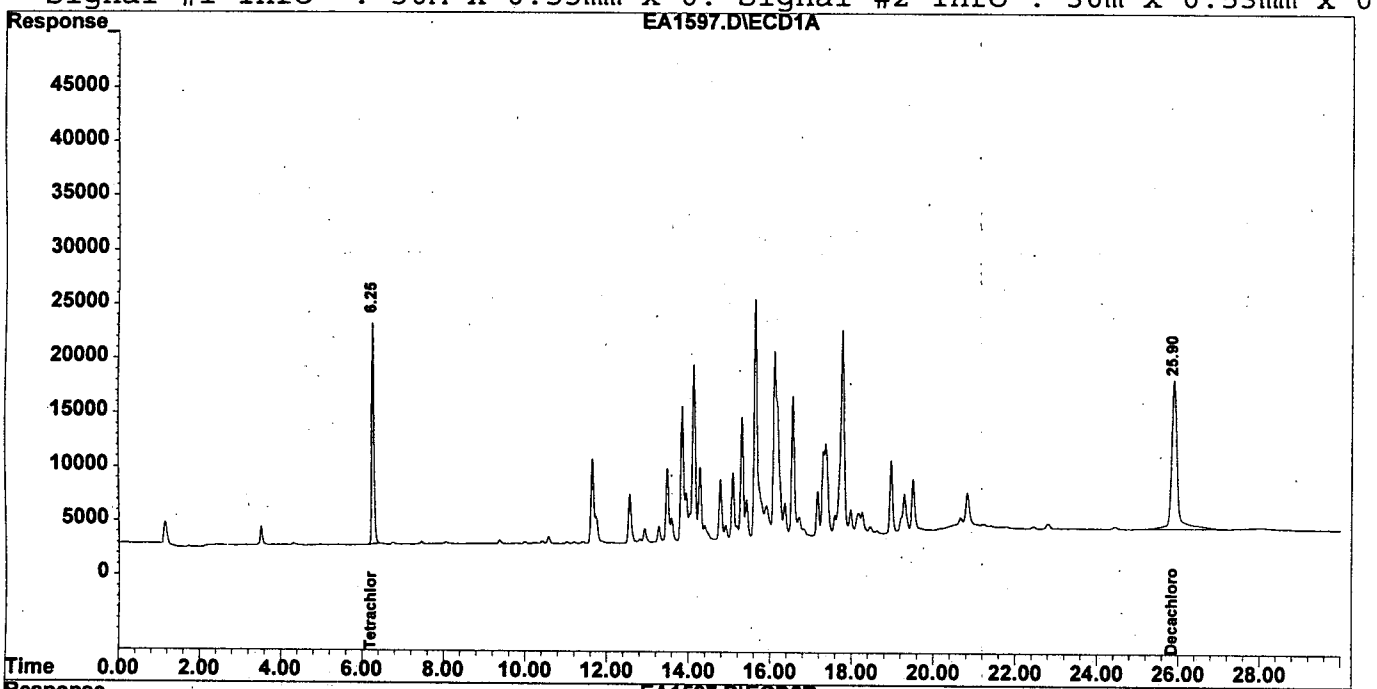
Quantitation Report

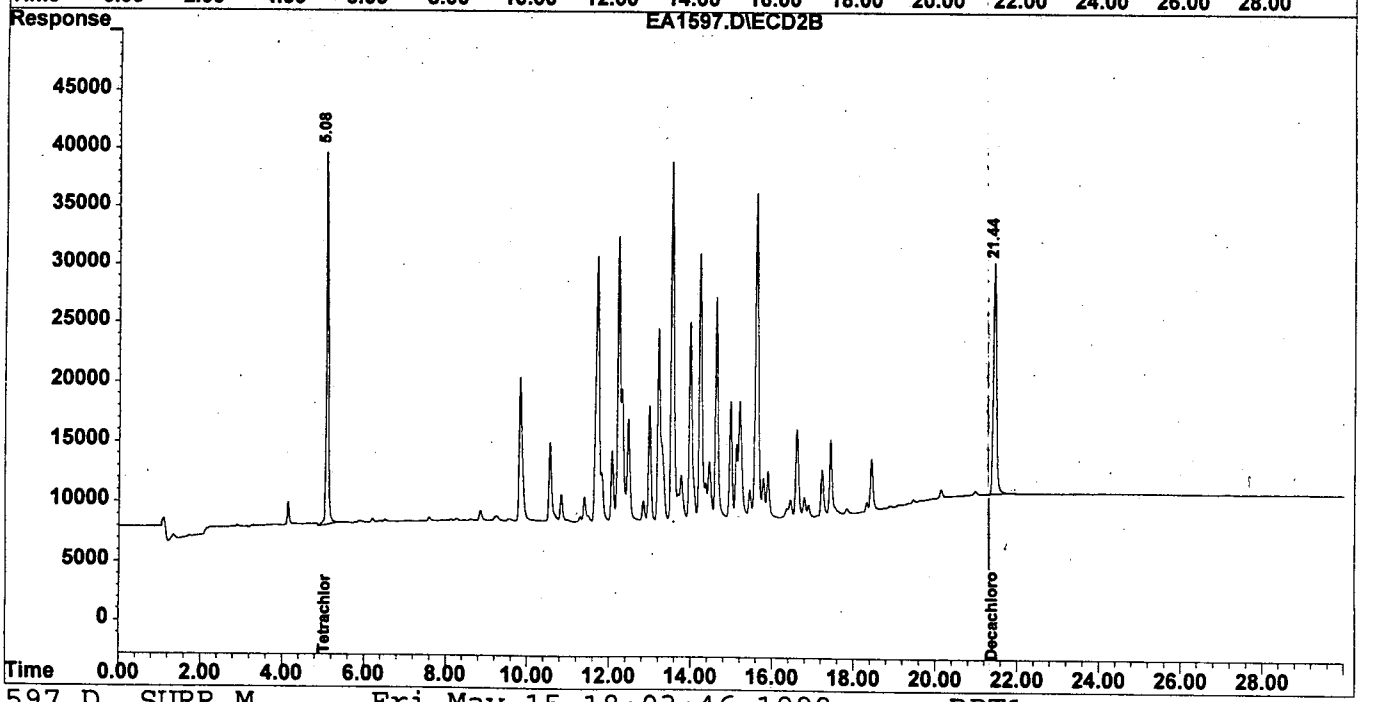
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1597.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDATA\EA1597.D\ECD2B.CH
Acq On : 8 Dec 97 11:57 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:30 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	15549.5	9.3	6.20 - 6.30	12/8/97	18:25
Decachlorobiphenyl	50	23519.9	24531.9	4.3	25.78 - 25.98	12/8/97	18:25
Aroclor-1254-1	1000	374.1	376.5	0.6	11.55 - 11.69	12/8/97	18:25
Aroclor-1254-2	1000	593.4	617.2	4.0	13.75 - 13.89	12/8/97	18:25
Aroclor-1254-3	1000	1299.3	1381.1	6.3	15.55 - 15.69	12/8/97	18:25
Aroclor-1254-4	1000	624.5	688.7	10.3	16.47 - 16.61	12/8/97	18:25
Aroclor-1254-5	1000	1212.9	1272.2	4.9	17.69 - 17.83	12/8/97	18:25

QPC7390B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	23295.3	7.6	5.03 - 5.13	12/8/97	18:25
Decachlorobiphenyl	50	22813.8	24830.7	8.8	21.33 - 21.53	12/8/97	18:25
Aroclor-1254-1	1000	616.4	656.7	6.5	9.75 - 9.89	12/8/97	18:25
Aroclor-1254-2	1000	1235.2	1348.3	9.2	11.63 - 11.77	12/8/97	18:25
Aroclor-1254-3	1000	988.2	1099.5	11.3	12.15 - 12.29	12/8/97	18:25
Aroclor-1254-4	1000	1400.2	1554.0	11.0	13.46 - 13.60	12/8/97	18:25
Aroclor-1254-5	1000	1373.7	1494.9	8.8	15.54 - 15.68	12/8/97	18:25

QPC7390B.XLS

AMENDED REPORT JUN 0 2 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1608.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1608.D\ECD2B.CH
Acq On : 8 Dec 97 18:25 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:16 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	777474	1099180	56.512	55.268m
Spiked Amount 40.000 Range 43 - 150 Recovery =					141.28%	138.17%
2) SA Decachlorobiphen	25.88	21.43	1237755	1101738	53.198m	50.702
Spiked Amount 40.000 Range 24 - 154 Recovery =					133.00%	126.76%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
7) L6 Aroclor-1254{1}	11.62	9.82	376460	656673	1006.241m	1065.362
8) L6 Aroclor-1254{2}	13.82	11.70	617219	1348319	1040.128	1091.596
9) L6 Aroclor-1254{3}	15.62	12.22	1381134	1099538	1062.953m	1112.642
0) L6 Aroclor-1254{4}	16.54	13.53	688788	1554010	1102.873m	1109.841
1) L6 Aroclor-1254{5}	17.76	15.61	1272175	1494852	1048.880	1088.207
Sum Aroclor-1254			4335777	6153393	5261.075	5467.648
verage Aroclor-1254					1052.215	1093.530
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000

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12/9/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial: MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1608.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1608.D\ECD2B.CH
Acq On : 8 Dec 97 18:25 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	777474	1164765	54.662	53.794
Spiked Amount 40.000 Range 43 - 150 Recovery =					136.66%	134.49%
2) SA Decachlorobiphen	25.89	21.43	1226595	1241533	52.151	54.420
Spiked Amount 40.000 Range 24 - 154 Recovery =					130.38%	136.05%
Target Compounds						

8 1 7A

5/18/98

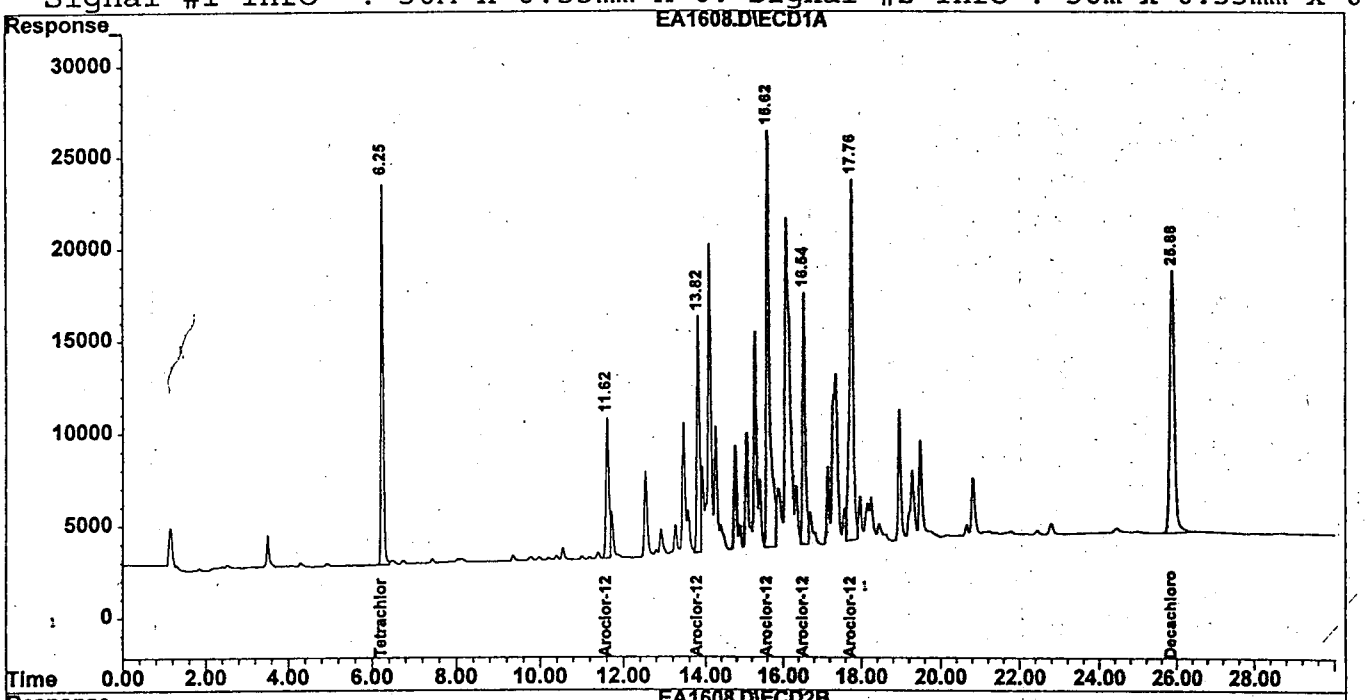
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

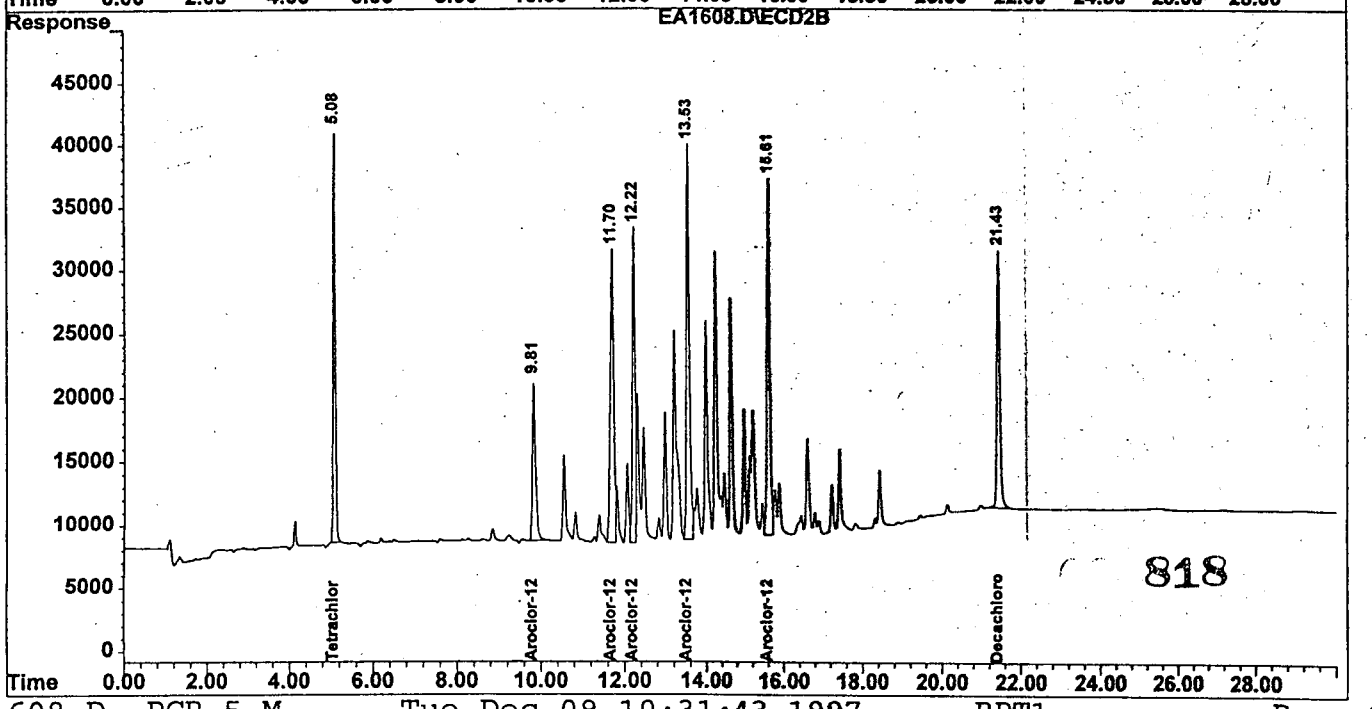
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1608.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1608.D\ECD2B.CH
Acq On : 8 Dec 97 18:25 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:16 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





818

Quantitation Report

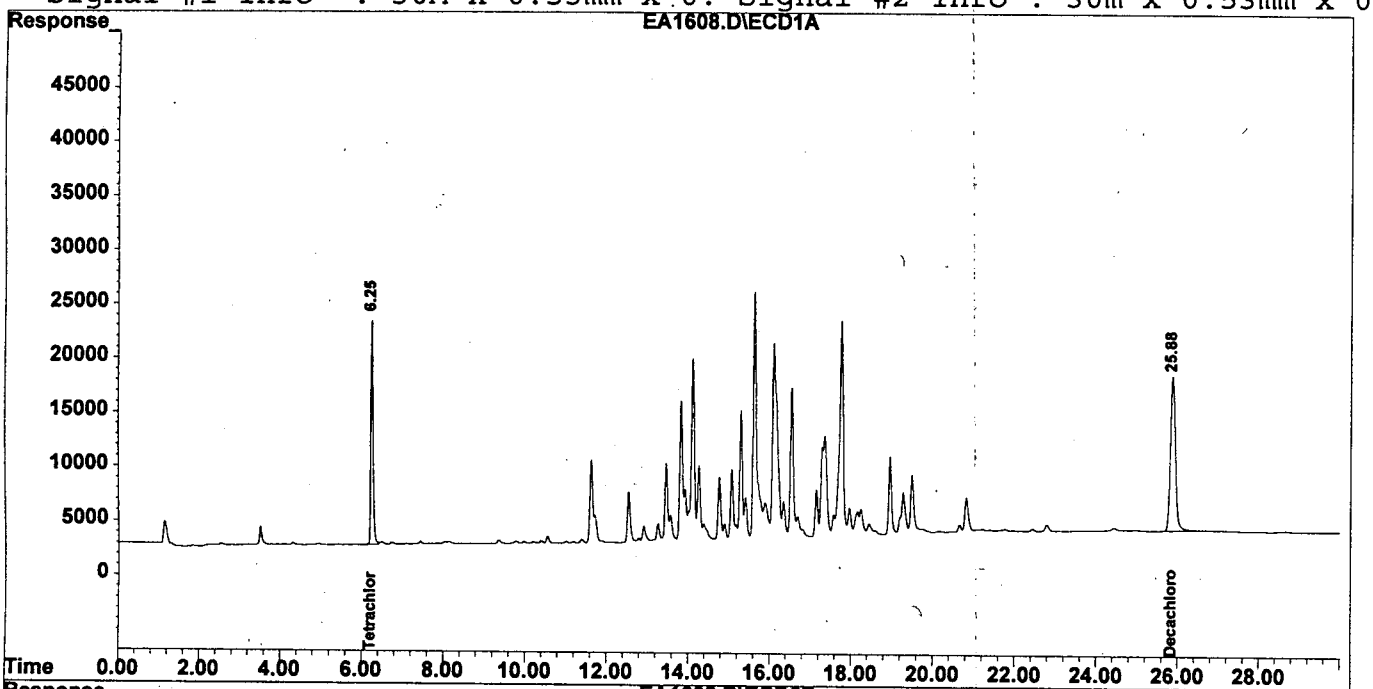
AMENDED REPORT MAY 3 0 1998

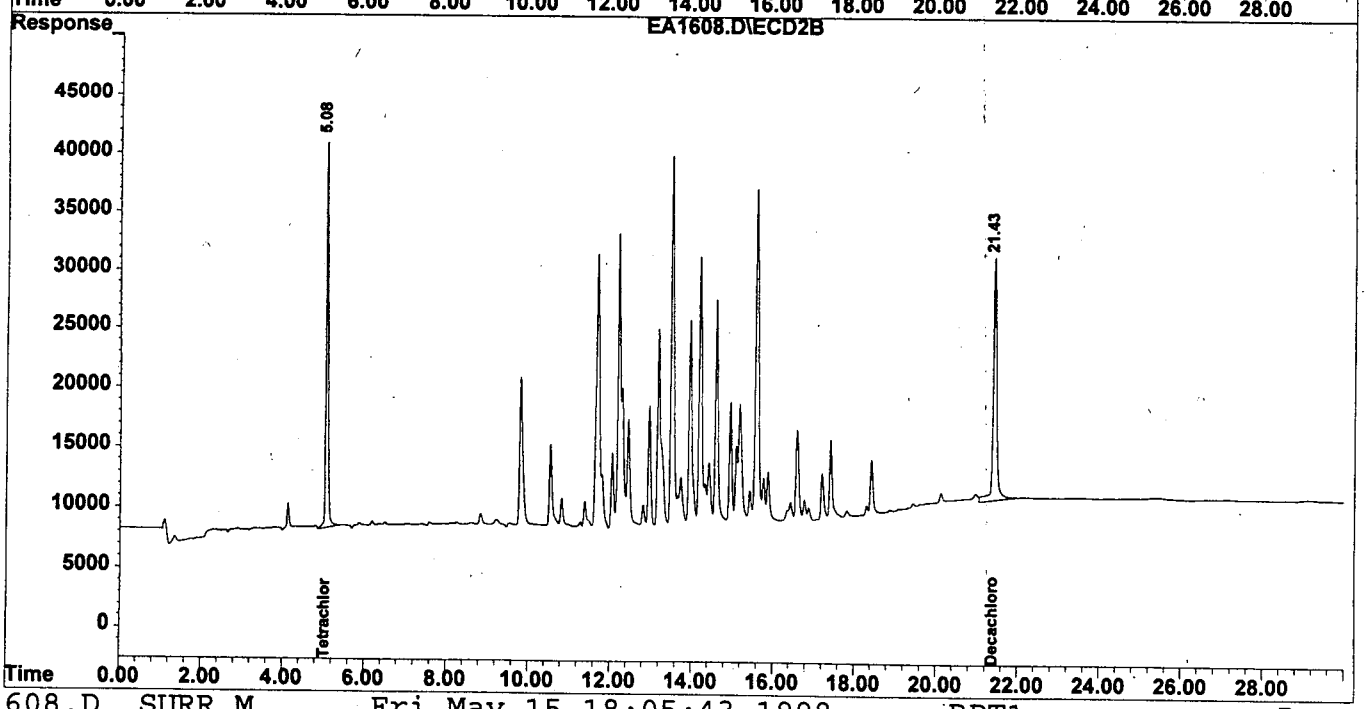
Signal #1 : E:\WESTDATA\EA1608.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1608.D\ECD2B.CH
Acq On : 8 Dec 97 18:25
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Vial: 11
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	14689.9	3.3	6.19 - 6.29	12/9/97	0:35
Decachlorobiphenyl	50	23519.9	28055.9	19.3	25.79 - 25.99	12/9/97	0:35
Aroclor-1254-1	1000	374.1	385.4	3.0	11.55 - 11.69	12/9/97	0:35
Aroclor-1254-2	1000	593.4	601.6	1.4	13.75 - 13.89	12/9/97	0:35
Aroclor-1254-3	1000	1299.3	1295.0	0.3	15.55 - 15.69	12/9/97	0:35
Aroclor-1254-4	1000	624.5	657.3	5.2	16.47 - 16.61	12/9/97	0:35
Aroclor-1254-5	1000	1212.9	1161.9	4.2	17.69 - 17.83	12/9/97	0:35

PCD 6/9/98

QPC7391.XLS

818 AB

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652. 3	22577.1	4.3	5.03 - 5.13	12/9/97	0:35
Decachlorobiphenyl	50	22813.8	26377.5	15.6	21.34 - 21.54	12/9/97	0:35
Aroclor-1254-1	1000	616.6	616.1	0.1	9.75 - 9.89	12/9/97	0:35
Aroclor-1254-2	1000	1235.2	1254.4	1.6	11.64 - 11.78	12/9/97	0:35
Aroclor-1254-3	1000	988.2	1009.6	2.2	12.16 - 12.30	12/9/97	0:35
Aroclor-1254-4	1000	1400.2	1400.4	0.0	13.46 - 13.60	12/9/97	0:35
Aroclor-1254-5	1000	1373.7	1290.0	6.1	15.54 - 15.68	12/9/97	0:35

QPC7391.XLS

PLB 6/9/98
818 BC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1619.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1619.D\ECD2B.CH
Acq On : 9 Dec 97 00:35 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	732314	1094680	53.229	55.041
Spiked Amount 40.000 Range 43 - 150 Recovery =					133.07%	137.60%
2) SA Decachlorobiphen	25.89	21.44	1250157	998788	53.731m	45.964
Spiked Amount 40.000 Range 24 - 154 Recovery =					134.33%	114.91%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.62	9.82	385424	616139	1030.201m	999.601
28) L6 Aroclor-1254{2}	13.82	11.71	601584	1254424	1013.779m	1015.579
29) L6 Aroclor-1254{3}	15.62	12.23	1295022	1009615	996.679m	1021.648
30) L6 Aroclor-1254{4}	16.54	13.53	657268	1400374	1052.404m	1000.117
31) L6 Aroclor-1254{5}	17.76	15.61	1161893	1290002	957.955	939.082m
Sum Aroclor-1254			4101191	5570554	5051.018	4976.026
Average Aroclor-1254					1010.204	995.205
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

PKD 6/9/98
8 1 8CD
emw 12/9/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : E:\WEST\EA1619.D\ECD1A.CH Vial: 22
Signal #2 : E:\WEST\EA1619.D\ECD2B.CH
Acq On : 9 Dec 97 00:35 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 4 10:22 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	734497	1128853	51.641	52.136
Spiked Amount 40.000 Range 43 - 150 Recovery =					129.10%	130.34%
2) SA Decachlorobiphen	25.89	21.44	1402794	1318875	59.643	57.810
Spiked Amount 40.000 Range 24 - 154 Recovery =					149.11%	144.53%
Target Compounds						

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

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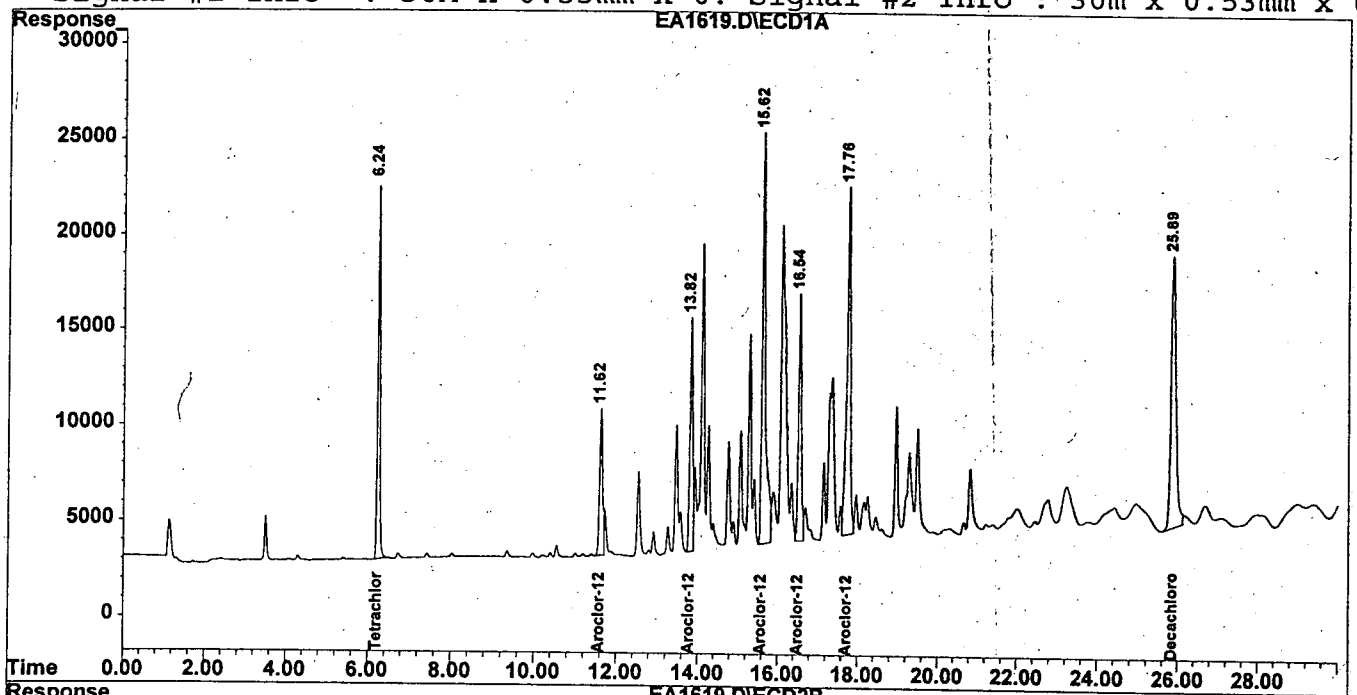
PBD 6/9/98

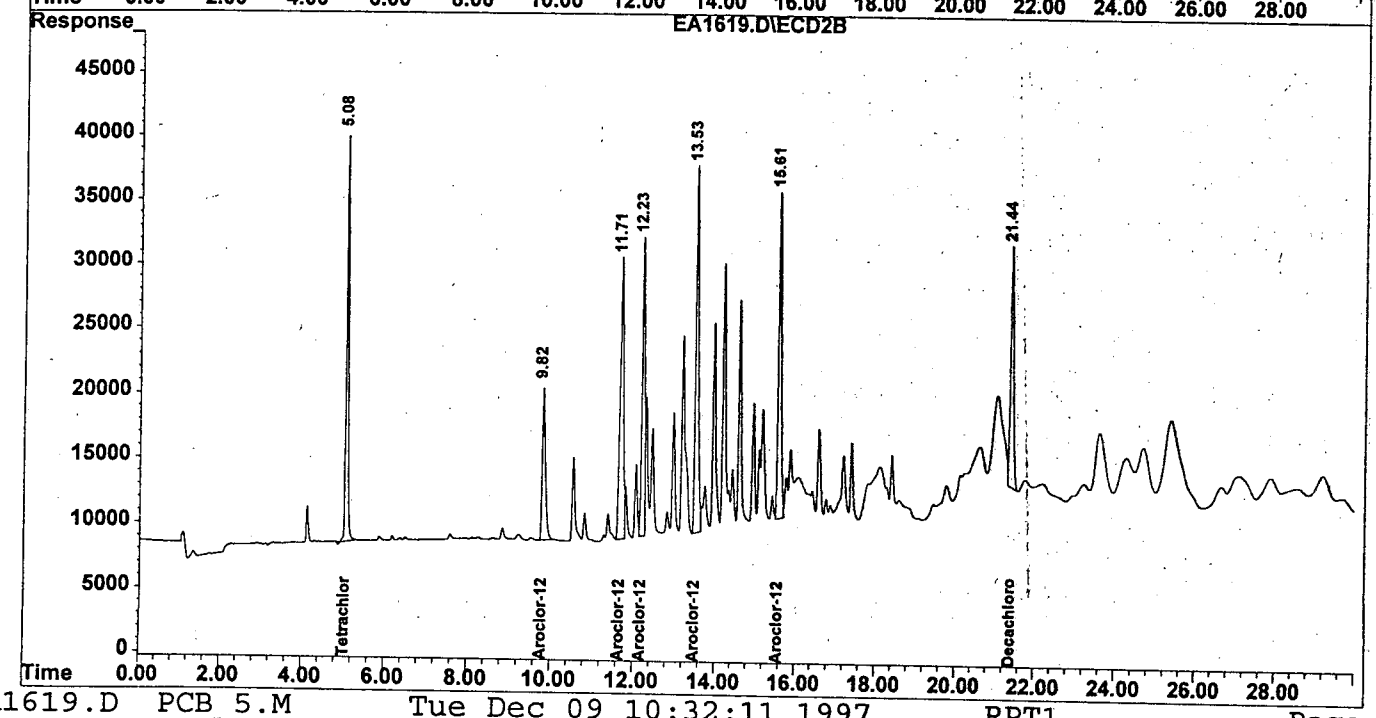
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1619.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1619.D\ECD2B.CH
Acq On : 9 Dec 97 00:35 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 9 10:19 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





PWS 6/4/98

818

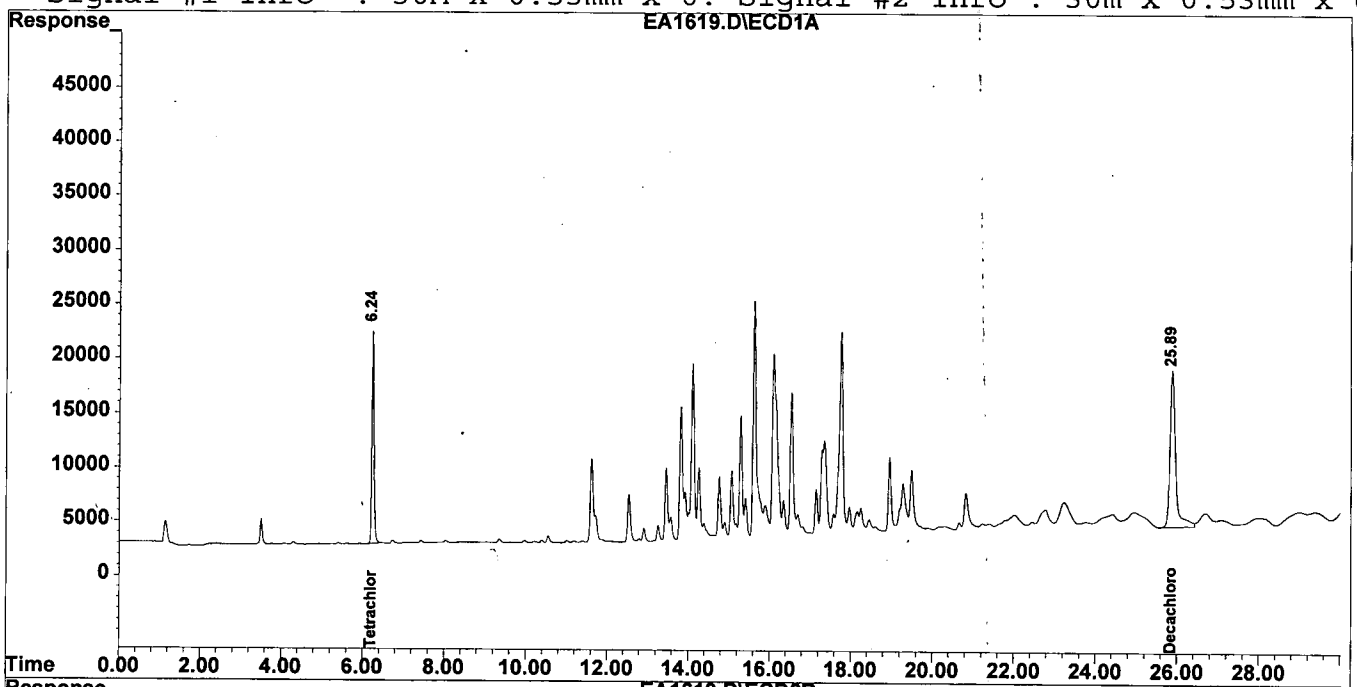
Quantitation Report

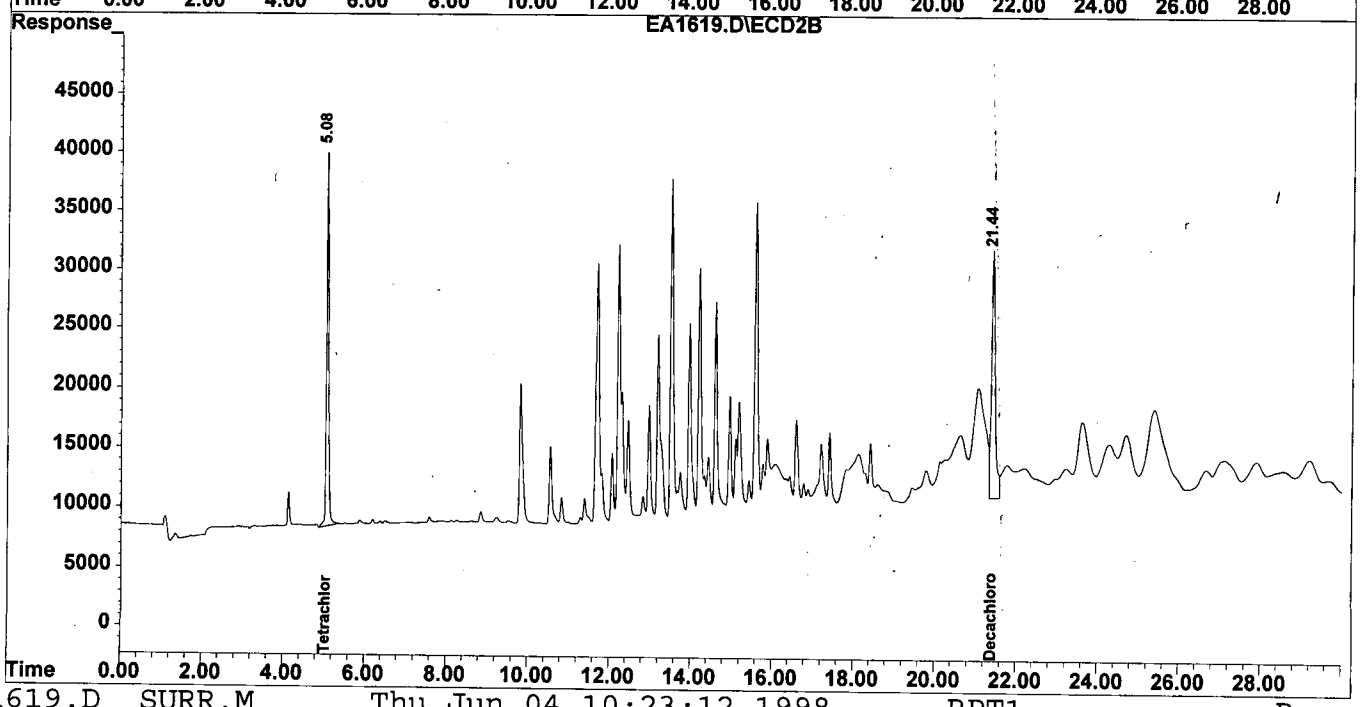
Signal #1 : E:\WEST\EA1619.D\ECD1A.CH
Signal #2 : E:\WEST\EA1619.D\ECD2B.CH
Acq On : 9 Dec 97 00:35
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 4 10:22 1998 Quant Results File: SURR.RES

Vial: 22
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





8 1 8 FG
DWD 6/4/98

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	14166.4	0.4	6.20 - 6.30	12/10/97	17:31
Decachlorobiphenyl	50	23519.9	19911.8	15.3	25.80 - 26.00	12/10/97	17:31
Aroclor-1254-1	1000	374.1	331.3	11.5	11.55 - 11.69	12/10/97	17:31
Aroclor-1254-2	1000	593.4	520.6	12.3	13.75 - 13.89	12/10/97	17:31
Aroclor-1254-3	1000	1299.3	1135.9	12.6	15.55 - 15.69	12/10/97	17:31
Aroclor-1254-4	1000	624.5	570.7	8.6	16.47 - 16.61	12/10/97	17:31
Aroclor-1254-5	1000	1212.9	1061.0	12.5	17.70 - 17.84	12/10/97	17:31

QPC7391.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	20991.2	3.1	5.03 - 5.13	12/10/97	17:31
Decachlorobiphenyl	50	22813.8	18854.3	17.4	21.34 - 21.54	12/10/97	17:31
Aroclor-1254-1	1000	616.4	587.4	4.7	9.75 - 9.89	12/10/97	17:31
Aroclor-1254-2	1000	1235.2	1174.9	4.9	11.64 - 11.78	12/10/97	17:31
Aroclor-1254-3	1000	988.2	958.3	3.0	12.16 - 12.30	12/10/97	17:31
Aroclor-1254-4	1000	1400.2	1330.6	5.0	13.46 - 13.60	12/10/97	17:31
Aroclor-1254-5	1000	1373.7	1242.9	9.5	15.54 - 15.68	12/10/97	17:31

QPC7391.XLS

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 2 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1683.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_E\EA1683.D\ECD2B.CH
Acq On : 10 Dec 97 17:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 18:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	708310	1044770	51.484	52.532
Spiked Amount 40.000 Range 43 - 150 Recovery =					128.71%	131.33%
2) SA Decachlorobiphen	25.90	21.44	994152	926845	42.728m	42.653
Spiked Amount 40.000 Range 24 - 154 Recovery =					106.82%	106.63%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.62	9.82	331259	587405	885.422	952.983
28) L6 Aroclor-1254{2}	13.82	11.71	520594	1174883	877.296m	951.183
29) L6 Aroclor-1254{3}	15.62	12.23	1135904	958296	874.219m	969.717
30) L6 Aroclor-1254{4}	16.54	13.53	570652	1330639	913.716m	950.314
31) L6 Aroclor-1254{5}	17.77	15.61	1061032	1242898	874.797m	904.791
Sum Aroclor-1254			3619441	5294121	4425.450	4728.989
Average Aroclor-1254					885.090	945.798
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

821

12/11/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1683.D\ECD1A.CH Vial : 12
Signal #2 : E:\WESTDATA\EA1683.D\ECD2B.CH
Acq On : 10 Dec 97 17:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	708320	1049561	49.800	48.473
Spiked Amount 40.000 Range 43 - 150 Recovery =					124.50%	121.18%
2) SA Decachlorobiphen	25.90	21.44	995591	942713	42.330	41.322
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.83%	103.31%

Target Compounds

8 2 1A

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

Quantitation Report

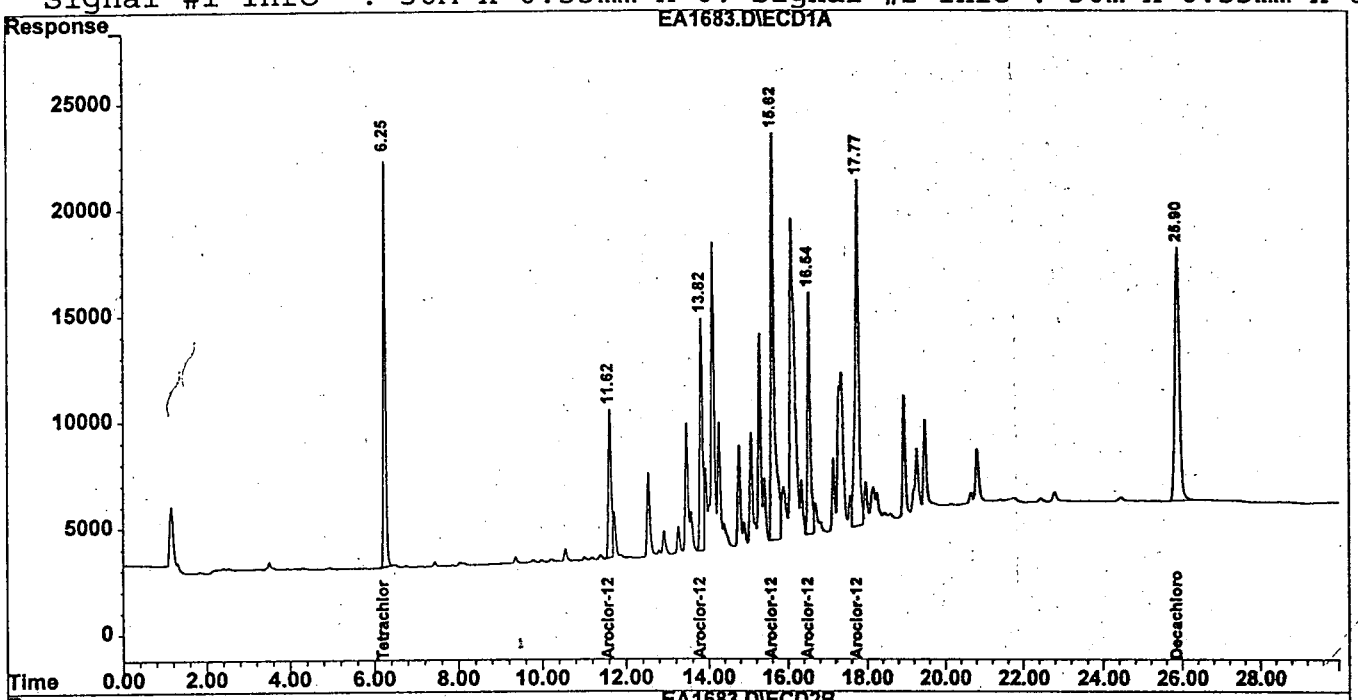
Signal #1 : C:\HPCHEM\1\DATA_E\EA1683.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1683.D\ECD2B.CH
Acq On : 10 Dec 97 17:31
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 18:11 1997 Quant Results File: PCB_5.RES

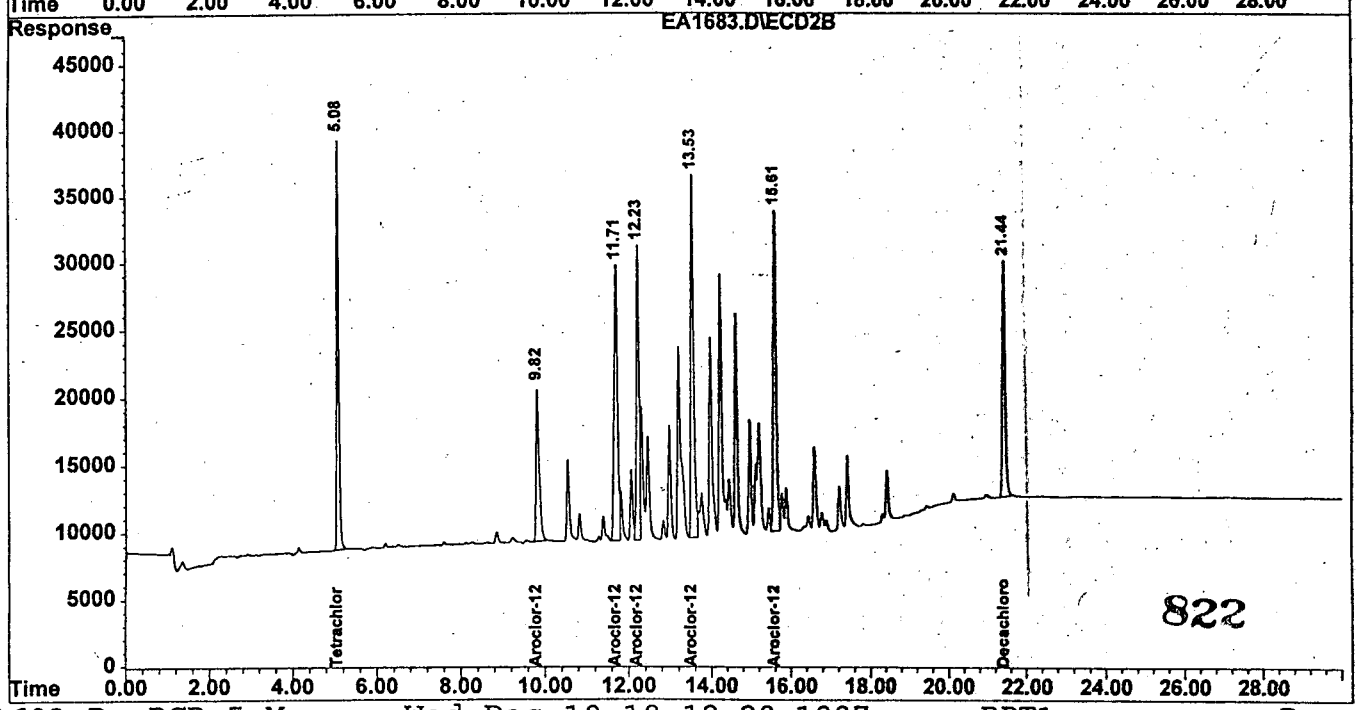
Vial: 12

Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





822

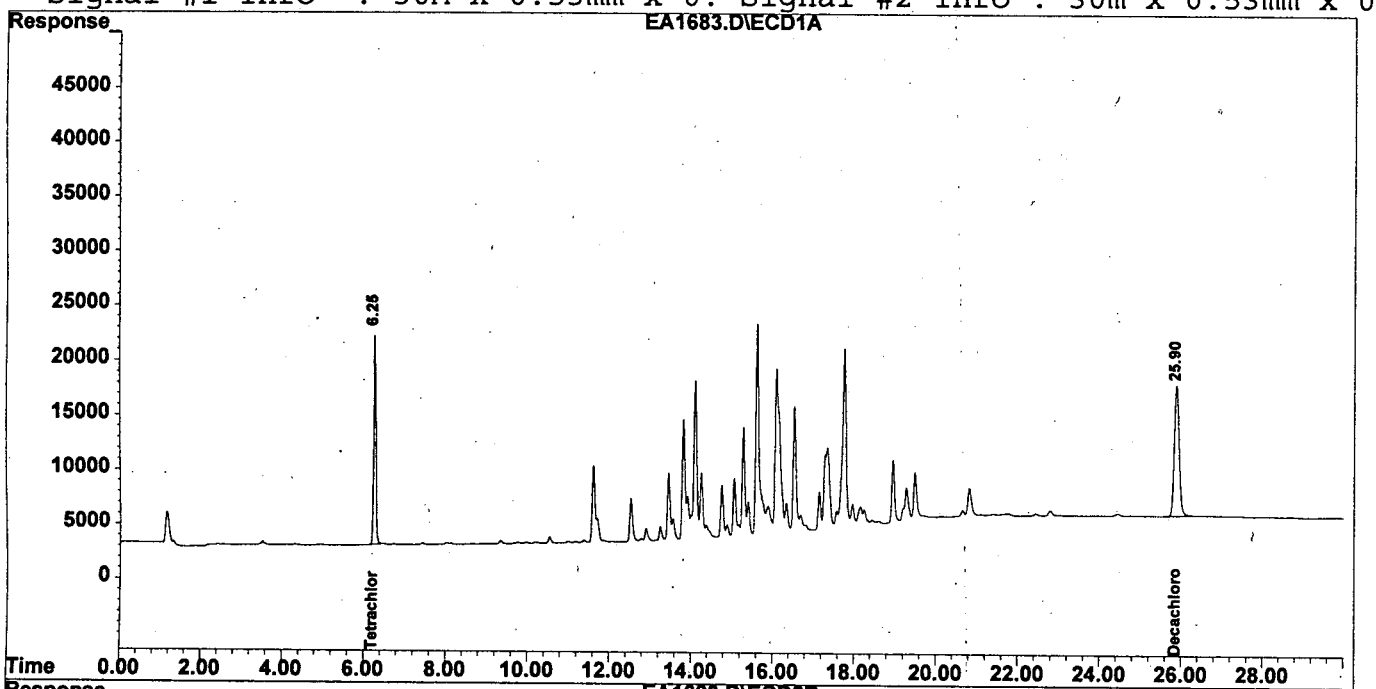
Quantitation Report

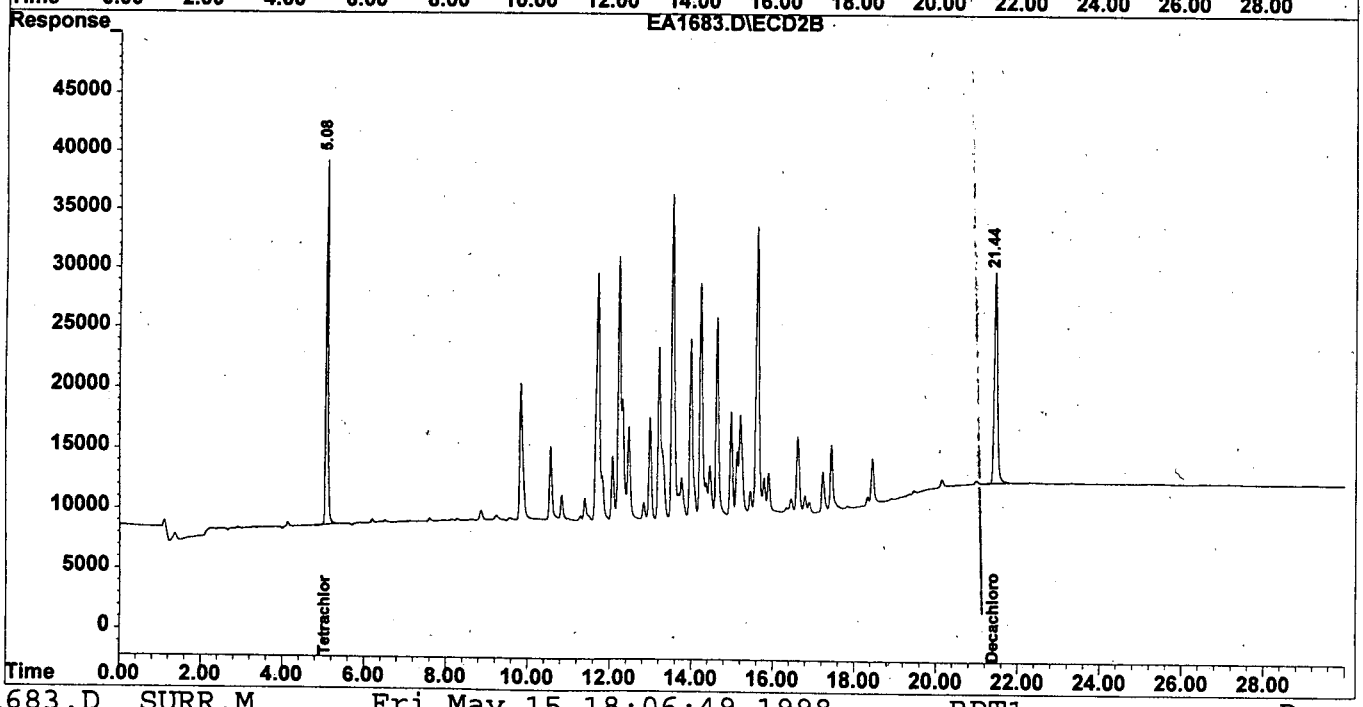
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1683.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDATA\EA1683.D\ECD2B.CH
Acq On : 10 Dec 97 17:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:31 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





822A

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	20903.6	21174.1	1.3	6.20 - 6.30	12/10/97	23:42
Decachlorobiphenyl	50	23267.0	25352.6	9.0	25.81 - 26.01	12/10/97	23:42
Aroclor-1248-1	1000	287.5	263.6	8.3	9.29 - 9.43	12/10/97	23:42
Aroclor-1248-2	1000	838.9	791.4	5.7	10.49 - 10.63	12/10/97	23:42
Aroclor-1248-3	1000	760.5	690.4	9.2	12.48 - 12.62	12/10/97	23:42
Aroclor-1248-4	1000	710.3	761.8	7.2	13.40 - 13.54	12/10/97	23:42
Aroclor-1248-5	1000	332.0	294.2	11.4	15.56 - 15.70	12/10/97	23:42

QPC7391.XLS

AMENDED REPORT JUN 0 3 1998

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	14223.2	13925.6	2.1	6.20 - 6.30	12/10/97	23:42
DCB for AR1248 #3	50	23519.9	25966.1	10.4	25.81 - 26.01	12/10/97	23:42

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	19888.1	21174.1	6.5	5.04 - 5.14	12/10/97	23:42
Decachlorobiphenyl	50	21729.7	24635.8	13.4	21.35 - 21.55	12/10/97	23:42
Aroclor-1248-1	1000	356.0	329.4	7.5	7.53 - 7.67	12/10/97	23:42
Aroclor-1248-2	1000	1212.5	1194.7	1.5	8.79 - 8.93	12/10/97	23:42
Aroclor-1248-3	1000	939.6	902.7	3.9	10.49 - 10.63	12/10/97	23:42
Aroclor-1248-4	1000	867.4	853.0	1.7	10.77 - 10.91	12/10/97	23:42
Aroclor-1248-5	1000	353.9	336.6	4.9	13.47 - 13.61	12/10/97	23:42

QPC7391.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	21652.3	21272.2	1.8	5.04 - 5.14	12/10/97	23:42
DCB for AR1248 #3	50	22813.8	25927.0	13.6	21.35 - 21.55	12/10/97	23:42

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1694.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_E\EA1694.D\ECD2B.CH
Acq On : 10 Dec 97 23:42 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:27 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	696792	1058705	50.647	53.233
Spiked Amount 40.000 Range 43 - 150 Recovery =					126.62%	133.08%
2) SA Decachlorobiphen	25.91	21.45	1267630	1231789	54.482	56.687m
Spiked Amount 40.000 Range 24 - 154 Recovery =					136.21%	141.72%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.36	7.60	263613	329419	916.879	925.416
23) L5 Aroclor-1248{2}	10.56	8.86	791445	1194690	943.476	985.295
24) L5 Aroclor-1248{3}	12.55	10.56	690439	902657	907.829	960.668
25) L5 Aroclor-1248{4}	13.47	10.84	761772	852985	1072.485	983.425
26) L5 Aroclor-1248{5}	15.63	13.54	294214	336600	886.290m	951.054m
Sum Aroclor-1248			2801483	3616351	4726.959	4805.858
Average Aroclor-1248					945.392	961.172
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

825

12/15/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1694.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\EA1694.D\ECD2B.CH
Acq On : 10 Dec 97 23:42 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:36 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	696279	1063610	48.954	49.122
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.39%	122.81%
2) SA Decachlorobiphen	25.91	21.45	1298305	1296351	55.200	56.823m
Spiked Amount 40.000 Range 24 - 154 Recovery =					138.00%	142.06%

Target Compounds

825A

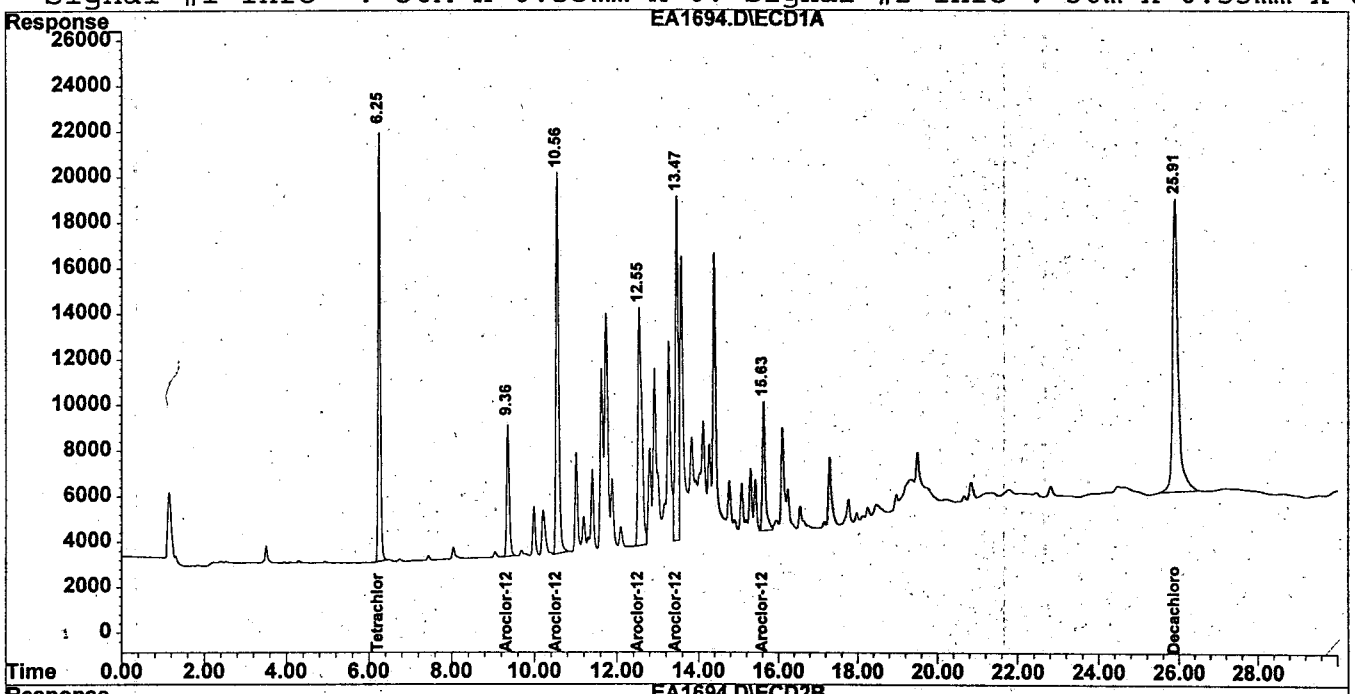
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

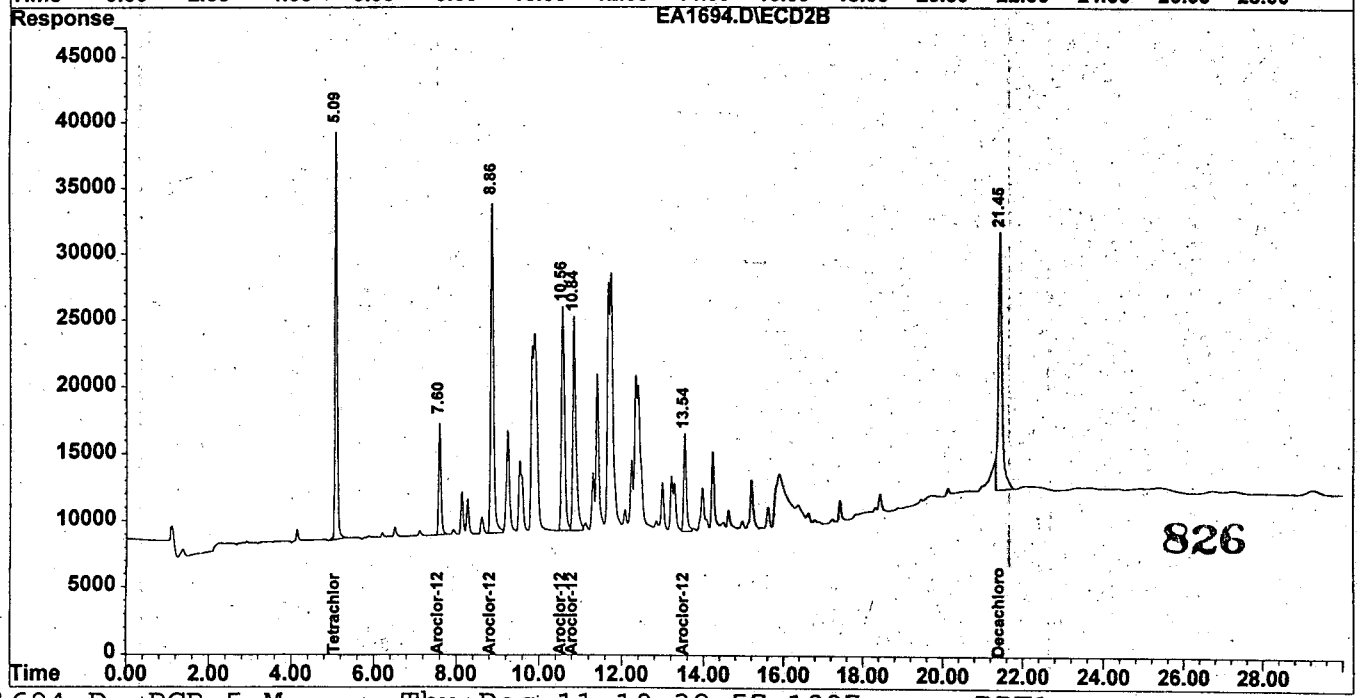
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1694.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_E\EA1694.D\ECD2B.CH
Acq On : 10 Dec 97 23:42 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:27 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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Quantitation Report

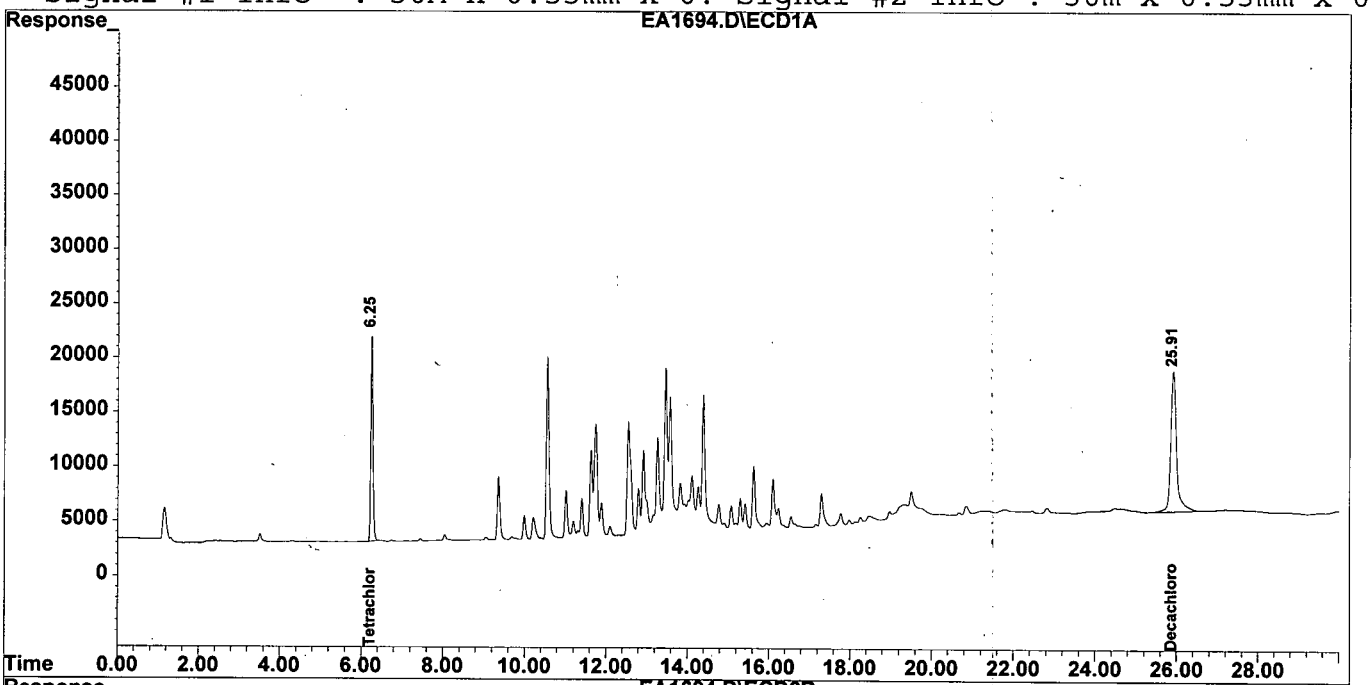
AMENDED REPORT JUN 0 2 1998

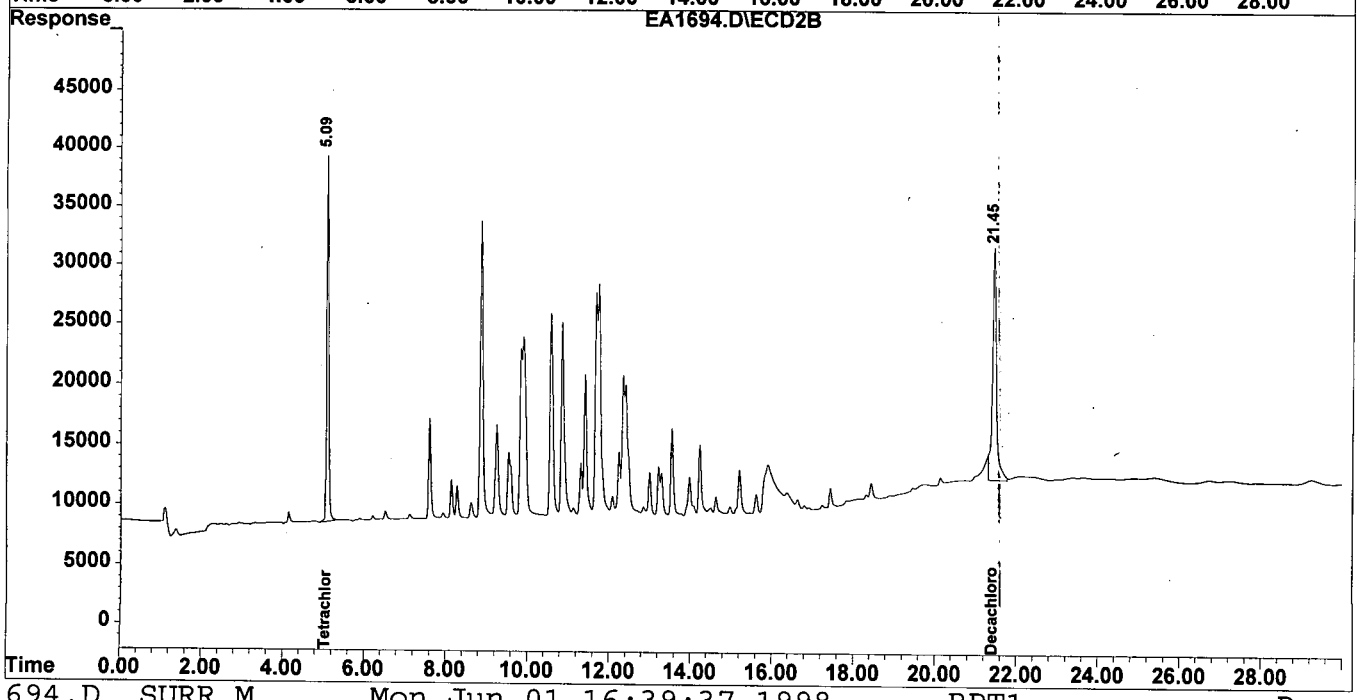
Signal #1 : E:\WESTDA~1\EA1694.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1694.D\ECD2B.CH
Acq On : 10 Dec 97 23:42
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:36 1998 Quant Results File: SURR.RES

Vial: 23
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	14223.2	13903.2	2.3	6.21 - 6.31	12/11/97	5:16
DCB for AR1254 #3	50	23519.9	19633.7	16.5	25.82 - 26.02	12/11/97	5:16

QPC7390B.XLS

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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	21652.3	20366.4	5.9	5.04 - 5.14	12/11/97	5:16
DCB for AR1254 #3	50	22813.8	19633.7	3.0	21.36 - 21.56	12/11/97	5:16

QPC7390B.XLS

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AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1704.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1704.D\ECD2B.CH
Acq On : 11 Dec 97 5:16
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:30 1997 Quant Results File: PCB_5.RES

Vial: 33
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

%D all ok both columns

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	694133	1025310	50.454	51.553
Spiked Amount 40.000 Range 43 - 150 Recovery =					126.14%	128.88%
2) SA Decachlorobiphen	25.92	21.46	1004044	951715	43.153m	43.798
Spiked Amount 40.000 Range 24 - 154 Recovery =					107.88%	109.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.63	9.83	336409	579124	899.189	939.549
28) L6 Aroclor-1254{2}	13.83	11.72	532046	1160437	896.595m	939.487
29) L6 Aroclor-1254{3}	15.63	12.24	1137620	950696	875.539m	962.026
30) L6 Aroclor-1254{4}	16.55	13.55	569878	1310785	912.477m	936.134
31) L6 Aroclor-1254{5}	17.78	15.63	1052448	1235181	867.720m	899.173
Sum Aroclor-1254			3628401	5236222	4451.519	4676.370
Average Aroclor-1254					890.304	935.274
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

827

12/11/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1704.D\ECD1A.CH Vial: 33
Signal #2 : E:\WESTDA~1\EA1704.D\ECD2B.CH
Acq On : 11 Dec 97 5:16 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.26	5.09	695161	1018321	48.875	47.031
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.19%	117.58%
2) SA Decachlorobiphen	25.92	21.46	981684	1174919	41.739	51.500
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.35%	128.75%

Target Compounds

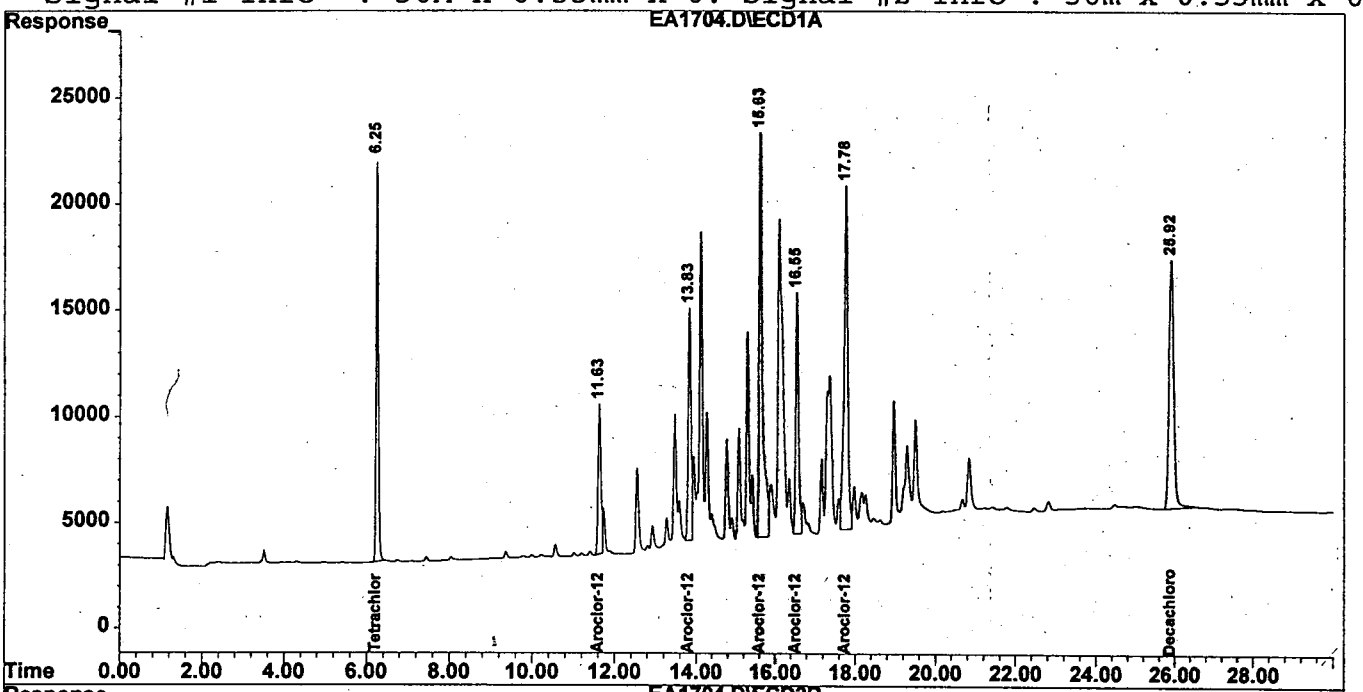
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

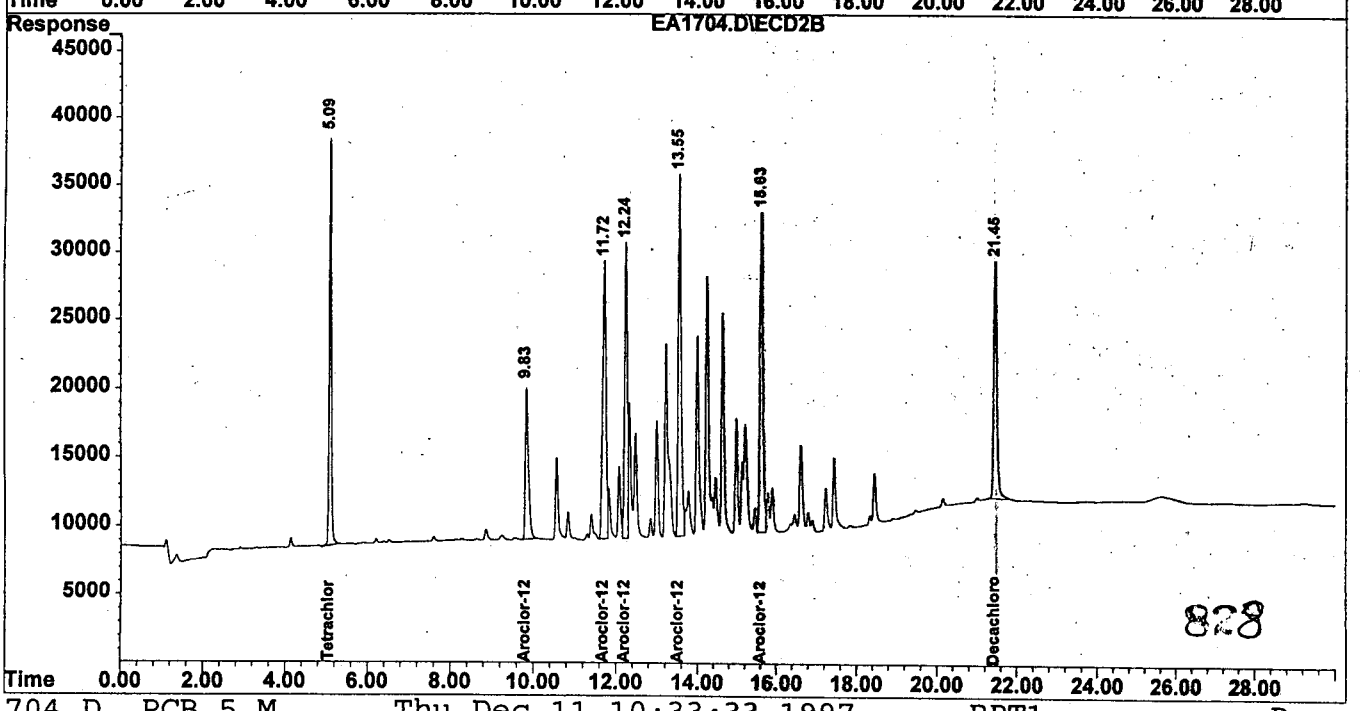
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1704.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA_E\EA1704.D\ECD2B.CH
Acq On : 11 Dec 97 5:16 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:30 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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Quantitation Report

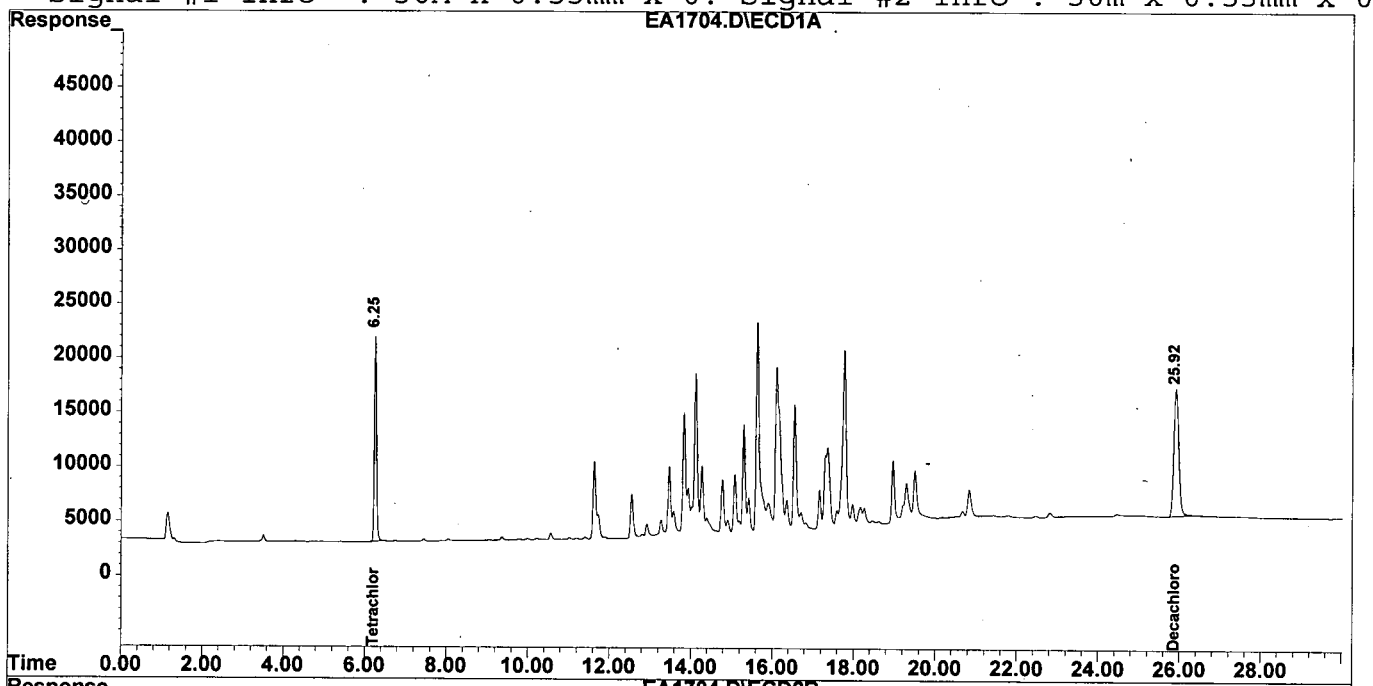
AMENDED REPORT JUN 0 2 1998

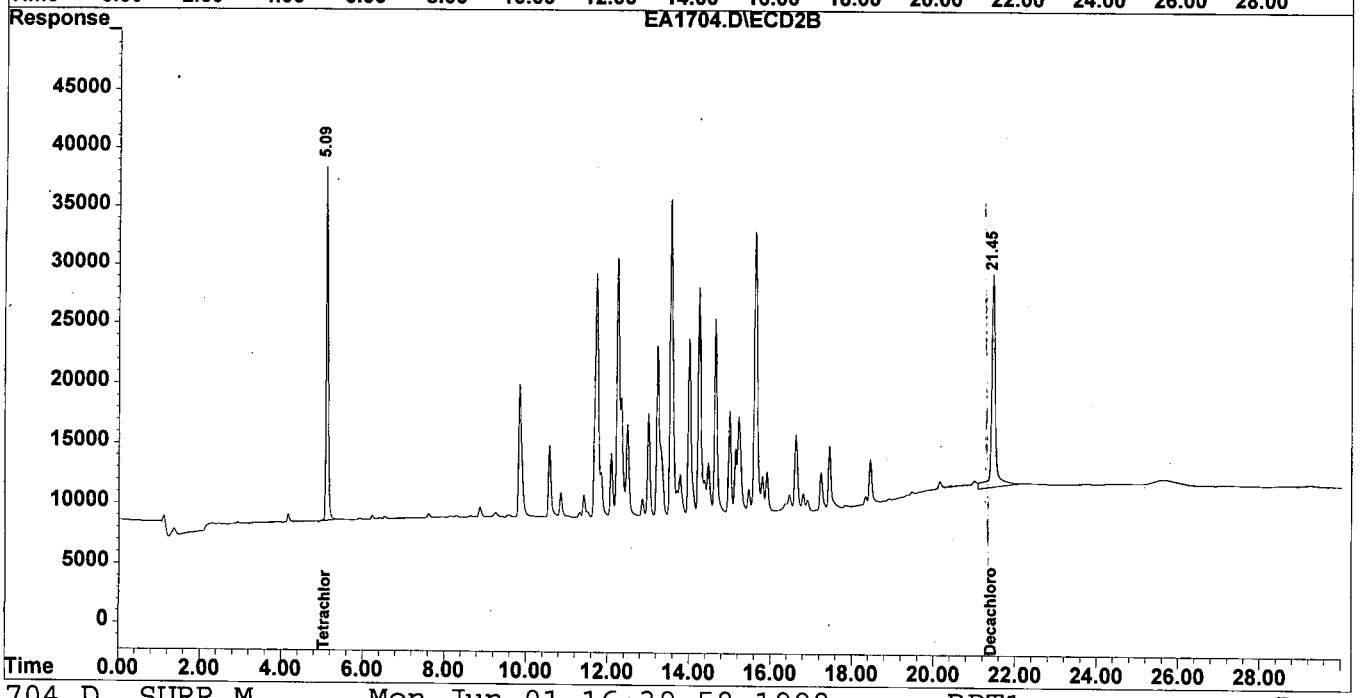
Signal #1 : E:\WESTDA~1\EA1704.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1704.D\ECD2B.CH
Acq On : 11 Dec 97 5:16
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Vial: 33
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	13757.9	~~13753.2~~	~~0.0~~	6.22 - 6.32	12/11/97	10:17
Decachlorobiphenyl	50	23266.8	~~20552.5~~	~~11.7~~	25.83 - 26.03	12/11/97	10:17
Aroclor-1254-1	1000	374.1	343.1	8.3	11.58 - 11.72	12/11/97	10:17
Aroclor-1254-2	1000	593.4	543.3	8.4	13.78 - 13.92	12/11/97	10:17
Aroclor-1254-3	1000	1299.3	1214.4	6.5	15.58 - 15.72	12/11/97	10:17
Aroclor-1254-4	1000	624.5	607.1	2.8	16.50 - 16.64	12/11/97	10:17
Aroclor-1254-5	1000	1212.9	1108.8	8.6	17.72 - 17.86	12/11/97	10:17

QPC7396.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	14223.2	13753.2	3.3	6.22 - 6.32	12/11/97	10:17
DCB for AR1254 #3	50	23519.9	20689.9	12.0	25.83 - 26.03	12/11/97	10:17

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	19888.3	~~20631.7~~	~~3.7~~	5.04 - 5.14	12/11/97	10:17
Decachlorobiphenyl	50	21729.7	~~18892.2~~	~~13.1~~	21.35 - 21.55	12/11/97	10:17
Aroclor-1254-1	1000	616.4	595.7	3.4	9.76 - 9.90	12/11/97	10:17
Aroclor-1254-2	1000	1235.2	1217.5	1.4	11.65 - 11.79	12/11/97	10:17
Aroclor-1254-3	1000	988.2 ~~0.9~~	994.5 ~~0.9~~	0.6	12.17 - 12.31	12/11/97	10:17
Aroclor-1254-4	1000	1400.2 ~~140.0~~	1402 ~~140.2~~	0.1	13.47 - 13.61	12/11/97	10:17
Aroclor-1254-5	1000	1373.7 ~~1359.8~~	1345.2	~~1.1~~ 2.1	15.55 - 15.69	12/11/97	10:17

QPC7396.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	21652.3	20940.8	3.3	5.04 - 5.14	12/11/97	10:17
DCB for AR1254 #3	50	22813.8	19232.8	15.7	21.35 - 21.55	12/11/97	10:17

QPC7390B.XLS

830A

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1705.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_E\EA1705.D\ECD2B.CH
Acq On : 11 Dec 97 10:17 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 11:05 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.27	5.09	687660	1031584	49.983	51.869
Spiked Amount 40.000 Range 43 - 150 Recovery =					124.96%	129.67%
2) SA Decachlorobiphen	25.93	21.45	1027626	944611	44.167	43.471
Spiked Amount 40.000 Range 24 - 154 Recovery =					110.42%	108.68%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.65	9.83	343111	595734	917.104	966.496
28) L6 Aroclor-1254{2}	13.85	11.72	543306	1217469	915.569	985.660
29) L6 Aroclor-1254{3}	15.65	12.24	1214396	994507	934.628m	1006.359
30) L6 Aroclor-1254{4}	16.57	13.54	607118	1401899	972.105m	1001.206
31) L6 Aroclor-1254{5}	17.79	15.62	1108803	1345206	914.183	979.268
Sum Aroclor-1254			3816734	5554814	4653.589	4938.990
Average Aroclor-1254					930.718	987.798
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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2/11/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1705.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\EA1705.D\ECD2B.CH
Acq On : 11 Dec 97 10:17 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.27	5.09	687660	1047041	48.348	48.357
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.87%	120.89%
2) SA Decachlorobiphen	25.93	21.45	1034496	961641	43.984	42.152
Spiked Amount 40.000 Range 24 - 154 Recovery =					109.96%	105.38%

Target Compounds

8 3 1A

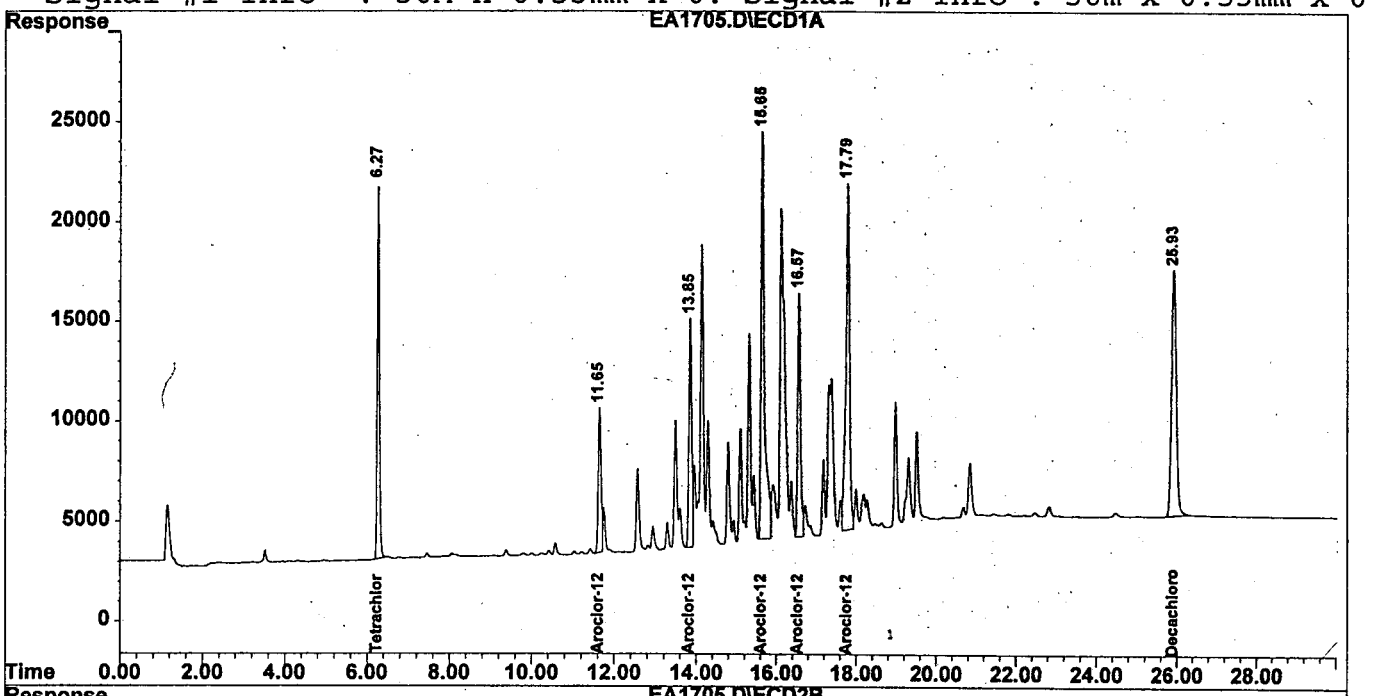
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

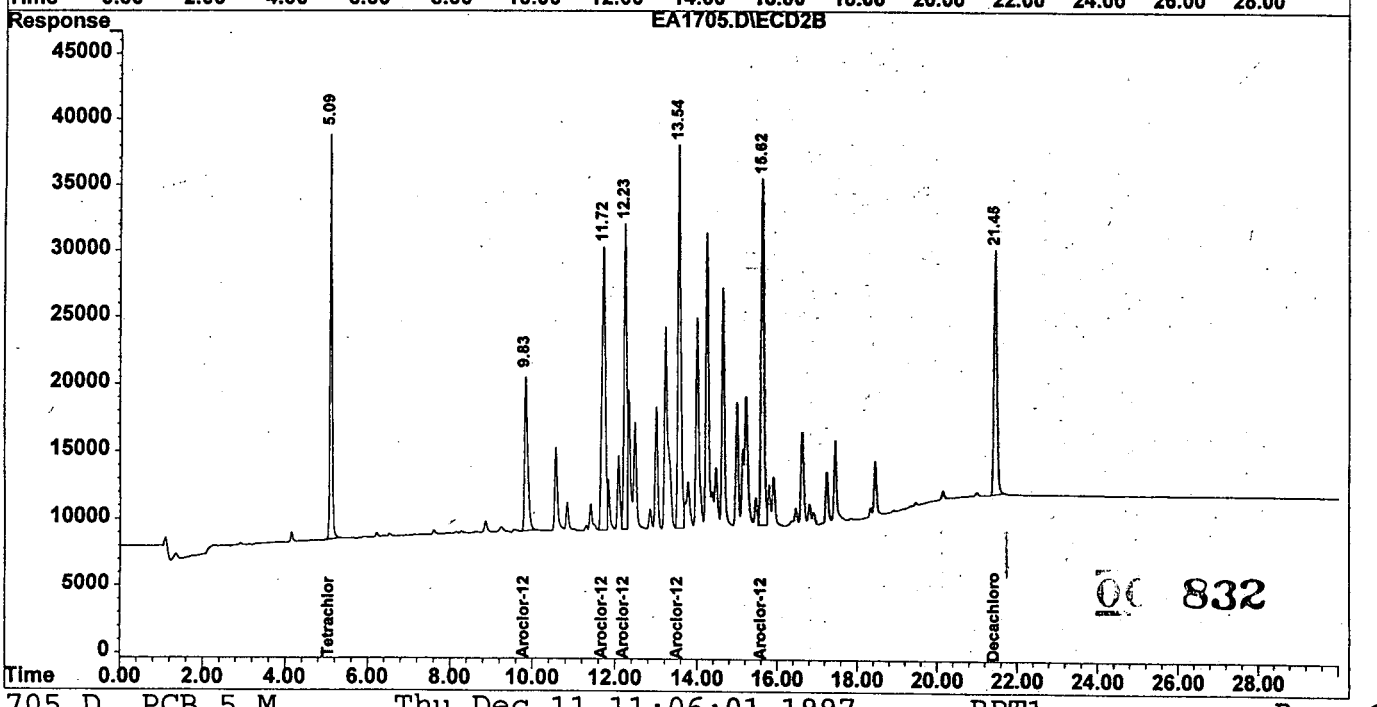
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1705.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_E\EA1705.D\ECD2B.CH
Acq On : 11 Dec 97 10:17 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 11:05 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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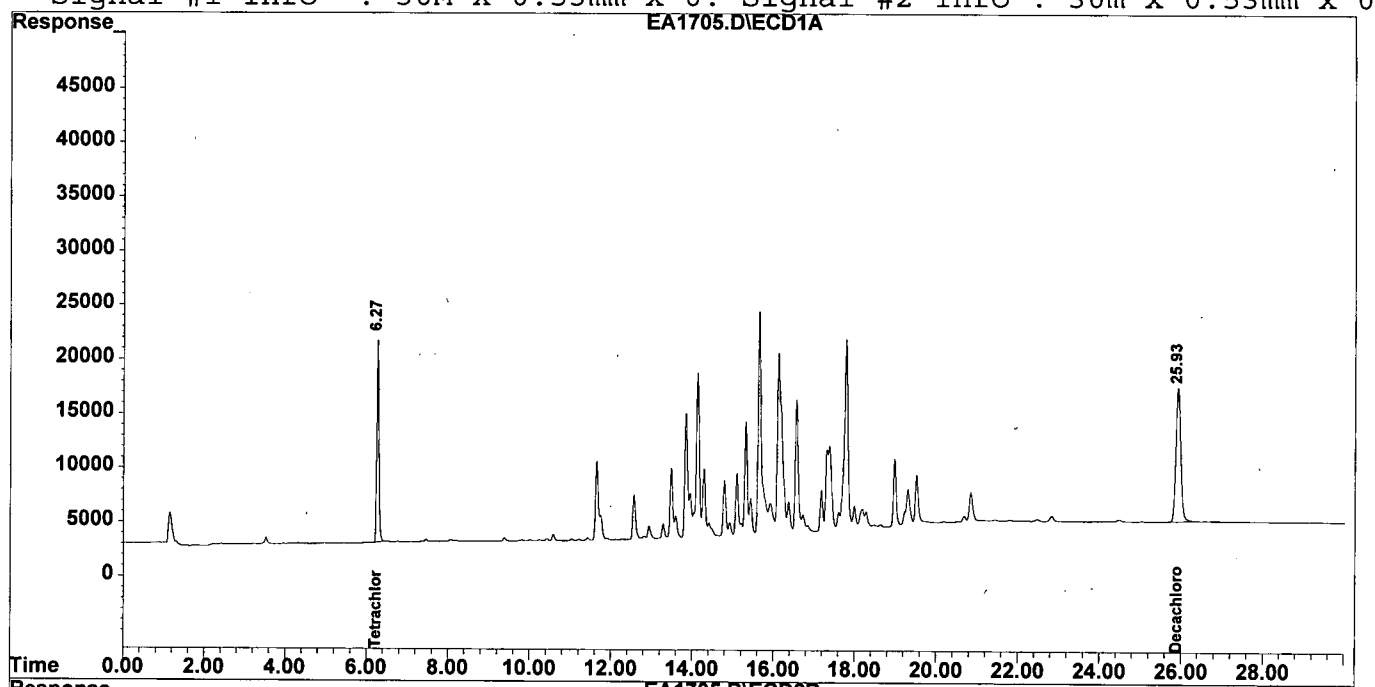
Quantitation Report

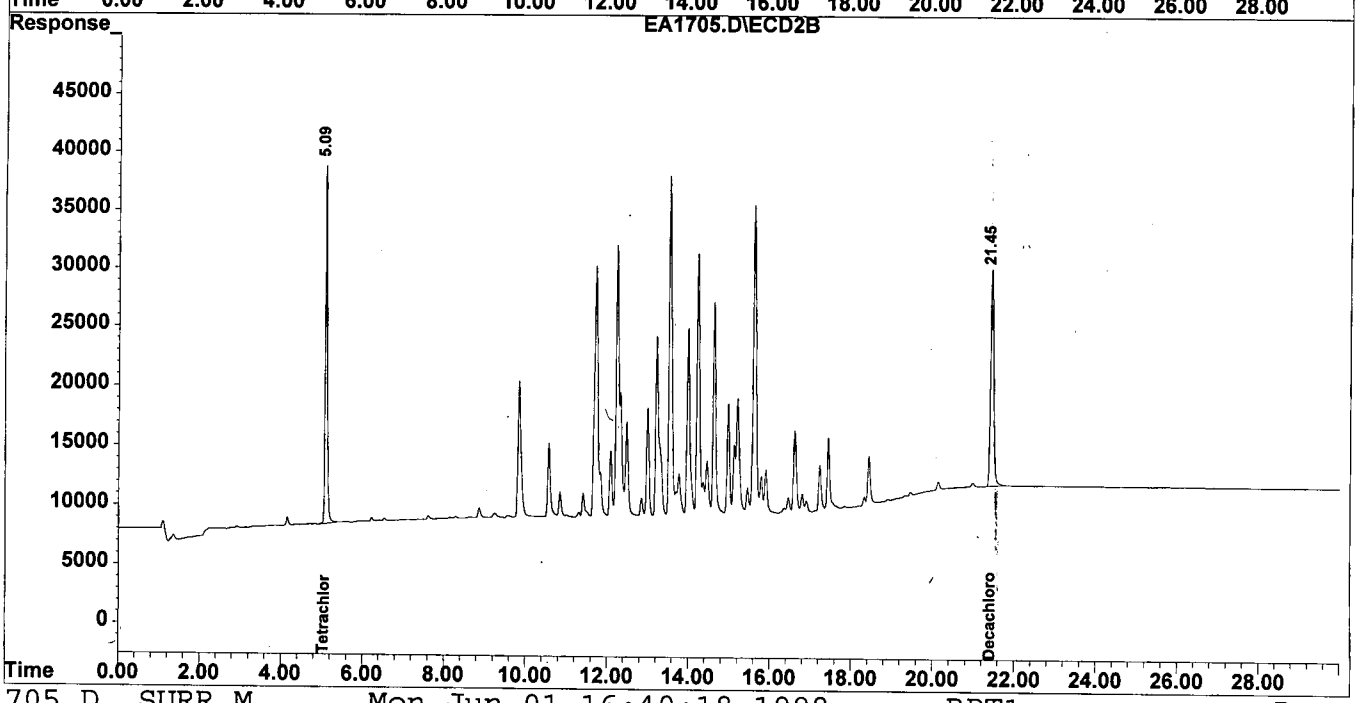
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1705.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\EA1705.D\ECD2B.CH
Acq On : 11 Dec 97 10:17 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:02 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	13646.4	4.1	6.20 - 6.30	12/11/97	18:13
Decachlorobiphenyl	50	23519.9	23938.1	1.8	25.78 - 25.98	12/11/97	18:13
Aroclor-1016-1	1000	328.7	299.9	8.8	7.97 - 8.11	12/11/97	18:13
Aroclor-1016-2	1000	678.4	623.4	8.1	9.28 - 9.42	12/11/97	18:13
Aroclor-1016-3	1000	1279.5	1170.7	8.5	10.48 - 10.62	12/11/97	18:13
Aroclor-1016-4	1000	443.5	417.7	5.8	10.94 - 11.08	12/11/97	18:13
Aroclor-1016-5	1000	655.3	554.8	15.3	12.48 - 12.62	12/11/97	18:13
Aroclor-1260-1	1000	977.3	794.8	18.7	16.09 - 16.23	12/11/97	18:13
Aroclor-1260-2	1000	1187.9	1000.7	15.8	16.47 - 16.61	12/11/97	18:13
Aroclor-1260-3	1000	836.8	732.4	12.5	18.88 - 19.02	12/11/97	18:13
Aroclor-1260-4	1000	1955.0	1918.0	1.9	19.42 - 19.56	12/11/97	18:13
Aroclor-1260-5	1000	1617.1	1230.3	23.9	20.76 - 20.90	12/11/97	18:13

QPC7391B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	21626.6	0.1	5.03 - 5.13	12/11/97	18:13
Decachlorobiphenyl	50	22813.8	25703.4	12.7	21.33 - 21.53	12/11/97	18:13
Aroclor-1016-1	1000	460.4	437.6	5.0	6.44 - 6.58	12/11/97	18:13
Aroclor-1016-2	1000	873.7	828.1	5.2	7.52 - 7.66	12/11/97	18:13
Aroclor-1016-3	1000	1861.5	1697.5	8.8	8.78 - 8.92	12/11/97	18:13
Aroclor-1016-4	1000	846.0	776.0	8.3	9.16 - 9.30	12/11/97	18:13
Aroclor-1016-5	1000	845.3	749.2	11.3	10.49 - 10.63	12/11/97	18:13
Aroclor-1260-1	1000	1101.1	980.2	11.0	13.91 - 14.05	12/11/97	18:13
Aroclor-1260-2	1000	1466.8	1386.1	5.5	14.55 - 14.69	12/11/97	18:13
Aroclor-1260-3	1000	1914.5	1627.2	15.0	15.54 - 15.68	12/11/97	18:13
Aroclor-1260-4	1000	2245.3	2023.2	9.9	17.36 - 17.50	12/11/97	18:13
Aroclor-1260-5	1000	1639.1	1459.8	10.9	18.37 - 18.51	12/11/97	18:13

QPC7391.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial: 12 MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1716.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1716.D\ECD2B.CH
Acq On : 11 Dec 97 18:13
Sample : AR1660 #3
Misc :

Operator:
Inst : GC_5890_5
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:53 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

1260

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	682322	1081332	47.973	49.941
Spiked Amount 40.000 Range 43 - 150 Recovery =					119.93%	124.85%
2) SA Decachlorobiphen	25.88	21.43	1196903	1285168	50.889	56.333m
Spiked Amount 40.000 Range 24 - 154 Recovery =					127.22%	140.83%
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	6.51	299861	437611	912.143	950.399
4) L1 Aroclor-1016{2}	9.35	7.59	623374	828129	918.896	947.884
5) L1 Aroclor-1016{3}	10.55	8.85	1170711	1697549	914.970	911.920
6) L1 Aroclor-1016{4}	11.01	9.23	417744	775970	941.917	917.205
7) L1 Aroclor-1016{5}	12.55	10.56	554821	749192	846.671	886.593
Sum Aroclor-1016			3066511	4488451	4534.596	4614.001
Average Aroclor-1016					906.919	922.800
8) L7 Aroclor-1260{1}	16.16	13.98	794783	980228	813.259	890.202
9) L7 Aroclor-1260{2}	16.54	14.62	1000684	1386097	842.406	944.974
10) L7 Aroclor-1260{3}	18.95	15.61	732391	1627156	875.243	849.921
11) L7 Aroclor-1260{4}	19.49	17.43	1918030	2023182	981.112	901.079
12) L7 Aroclor-1260{5}	20.83	18.44	1230260	1459809	760.774	890.629
Sum Aroclor-1260			5676148	7476472	4272.794	4476.805
Average Aroclor-1260					854.559	895.361

AR1016 & AR1260 OK 6/3/98 PKB

835
~~8 3 5A~~ 5/18/98

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

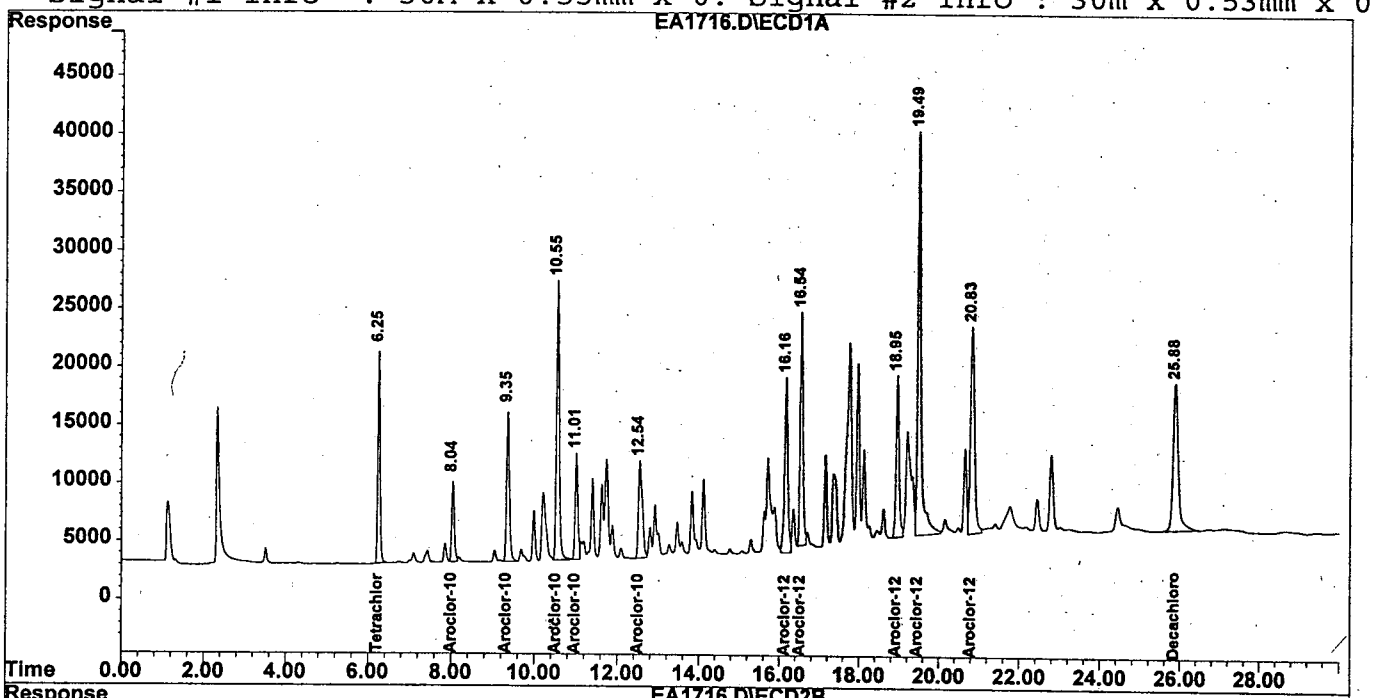
Quantitation Report

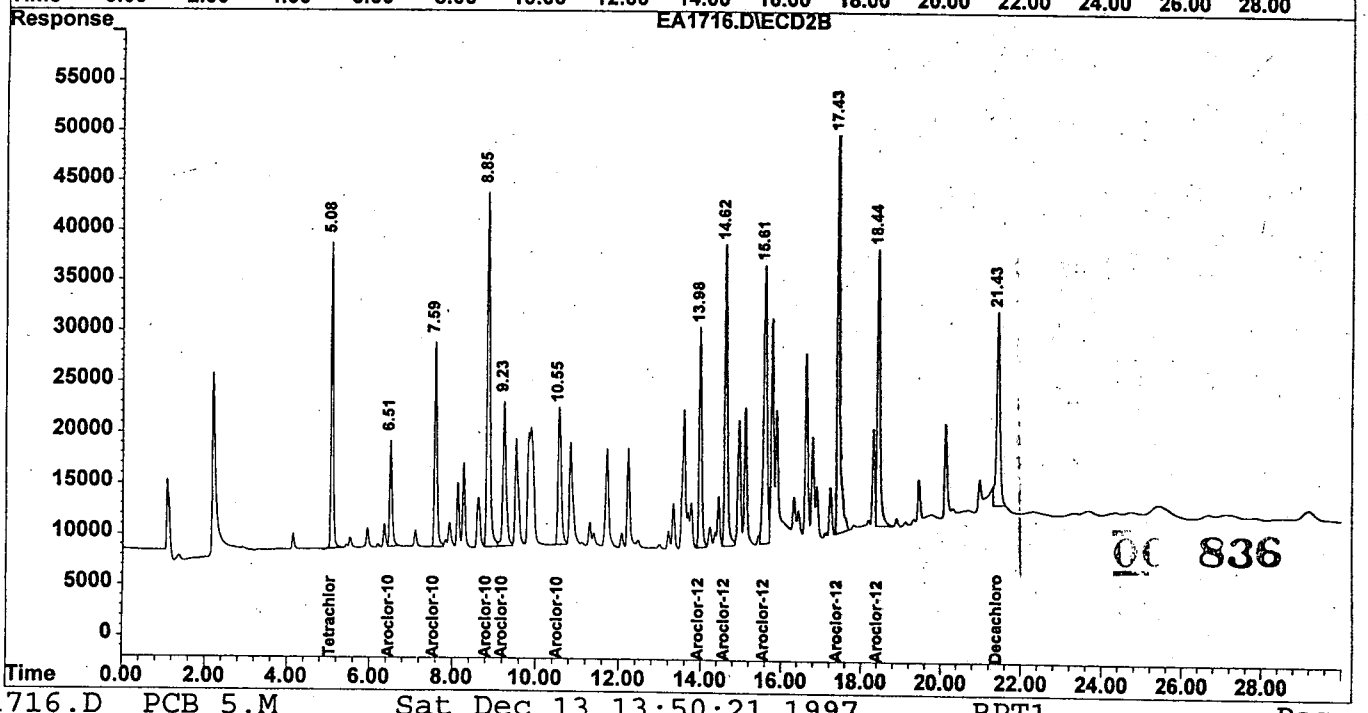
Signal #1 : C:\HPCHEM\1\DATA_E\EA1716.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1716.D\ECD2B.CH
Acq On : 11 Dec 97 18:13
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:34 1997 Quant Results File: PCB_5.RES

Vial: 12
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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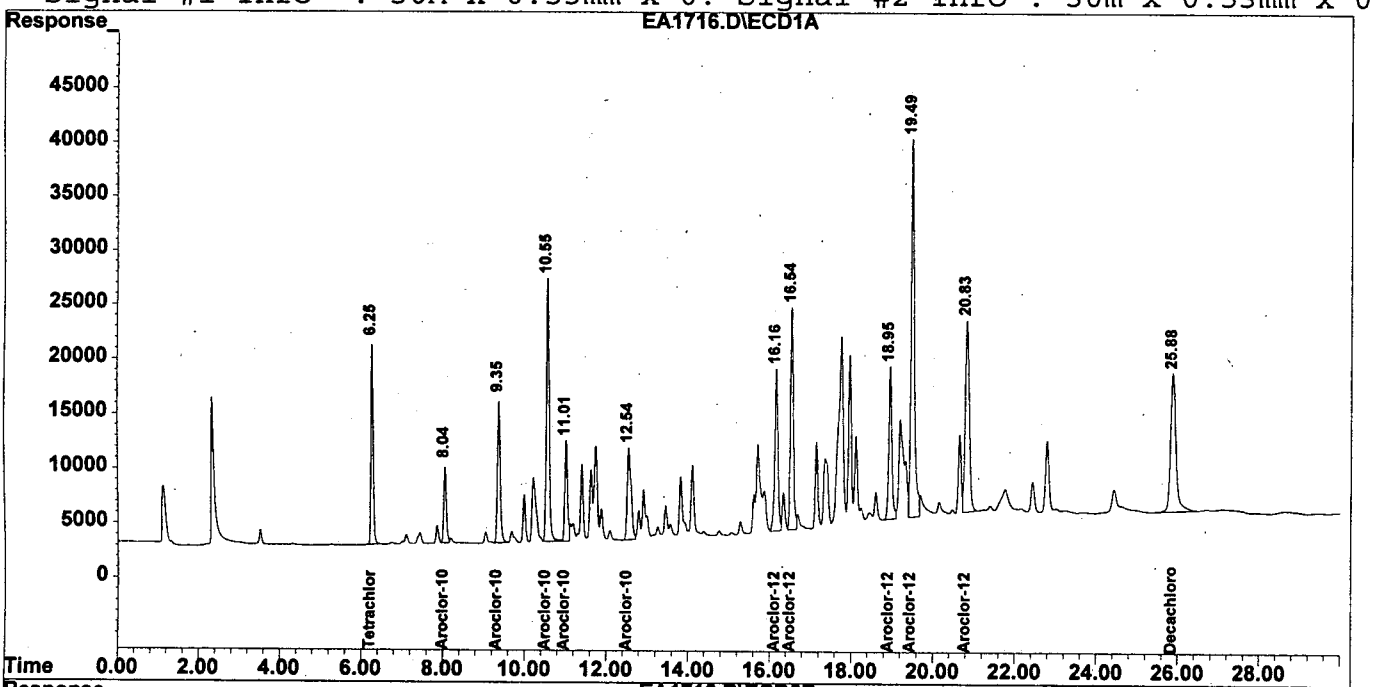
Quantitation Report

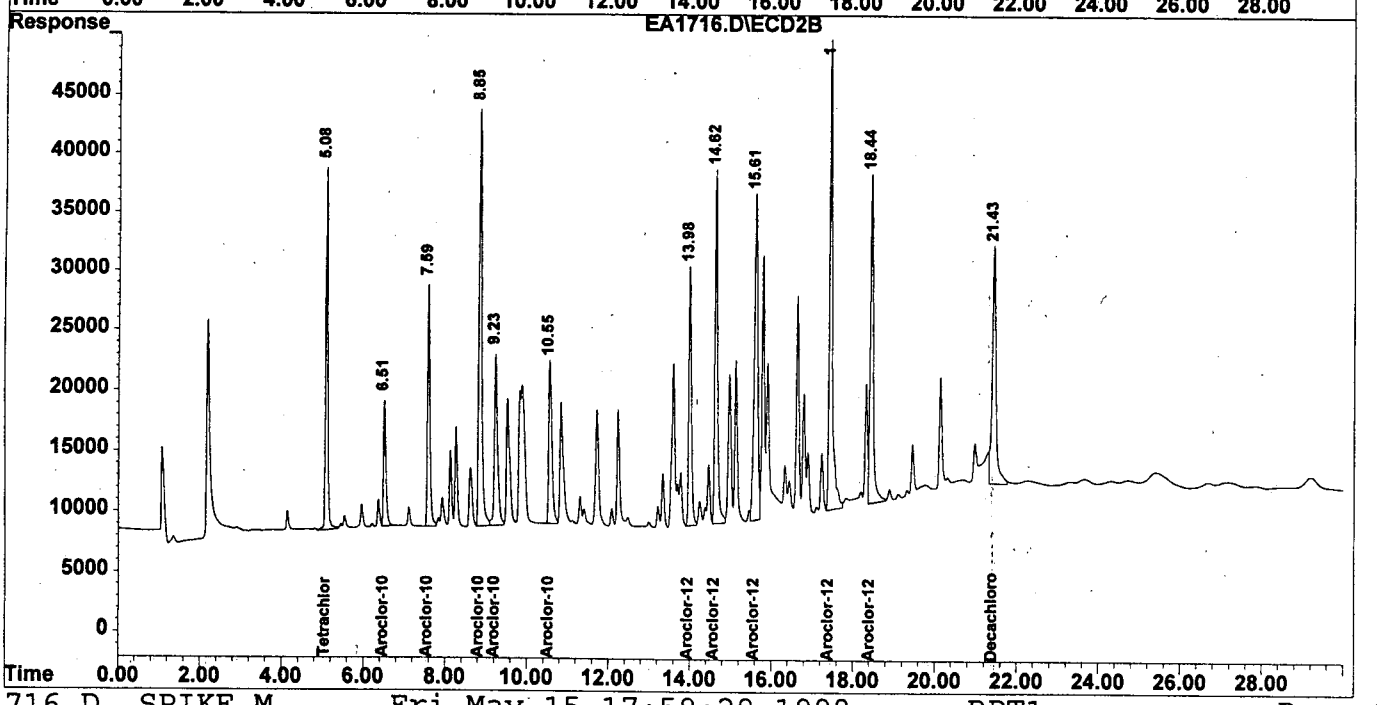
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1716.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDATA\EA1716.D\ECD2B.CH
Acq On : 11 Dec 97 18:13 Operator:
Sample : AR1660 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:53 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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AMENDED REPORT MAY 3 0 199

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	14578.6	2.5	6.20 - 6.30	12/12/97	1:33
Decachlorobiphenyl	50	23519.9	21635.2	8.0	25.79 - 25.99	12/12/97	1:33
Aroclor-1254-1	1000	374.1	358.2	4.3	11.55 - 11.69	12/12/97	1:33
Aroclor-1254-2	1000	593.4	578.8	2.5	13.75 - 13.89	12/12/97	1:33
Aroclor-1254-3	1000	1299.3	1258.8	3.1	15.55 - 15.69	12/12/97	1:33
Aroclor-1254-4	1000	624.5	589.5	5.6	16.47 - 16.61	12/12/97	1:33
Aroclor-1254-5	1000	1212.9	1170.4	3.5	17.70 - 17.84	12/12/97	1:33

QPC7394B.XLS

AMENDED REPORT MAY 3

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	20971.1	3.1	5.04 - 5.14	12/12/97	1:33
Decachlorobiphenyl	50	22813.8	19771.8	13.3	21.34 - 21.54	12/12/97	1:33
Aroclor-1254-1	1000	616.4	605.5	1.8	9.75 - 9.89	12/12/97	1:33
Aroclor-1254-2	1000	1235.2	1234.9	0.0	11.64 - 11.78	12/12/97	1:33
Aroclor-1254-3	1000	988.2	1021.5	3.4	12.16 - 12.30	12/12/97	1:33
Aroclor-1254-4	1000	1400.2	1436.6	2.6	13.47 - 13.61	12/12/97	1:33
Aroclor-1254-5	1000	1373.7	1381.5	0.6	15.55 - 15.69	12/12/97	1:33

QPC7394B.XLS

AMENDED REPORT JUN 0 2 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1727.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_E\EA1727.D\ECD2B.CH
Acq On : 12 Dec 97 1:33 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:45 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.25	5.09	728828	1043953	52.976	52.491
Spiked Amount 40.000 Range 43 - 150 Recovery =					132.44%	131.23%
) SA Decachlorobiphen	25.89	21.44	1073350	975502	46.132	44.892
Spiked Amount 40.000 Range 24 - 154 Recovery =					115.33%	112.23%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
7) L6 Aroclor-1254{1}	11.62	9.82	358163	605458	957.334	982.272
8) L6 Aroclor-1254{2}	13.82	11.71	578809	1234883	975.399	999.759
9) L6 Aroclor-1254{3}	15.62	12.23	1258814	1021488	968.813	1033.662
0) L6 Aroclor-1254{4}	16.54	13.54	589498	1436615	943.892	1026.000
1) L6 Aroclor-1254{5}	17.77	15.62	1170374	1381477	964.947	1005.673
Sum Aroclor-1254			3955658	5679921	4810.385	5047.365
erage Aroclor-1254					962.077	1009.473
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000

JPS 12/13/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDATA\EA1727.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1727.D\ECD2B.CH
Acq On : 12 Dec 97 1:33 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	728931	1048553	51.250	48.427
Spiked Amount 40.000 Range 43 - 150 Recovery =					128.13%	121.07%
2) SA Decachlorobiphen	25.89	21.44	1081761	988588	45.994	43.333
Spiked Amount 40.000 Range 24 - 154 Recovery =					114.99%	108.33%
Target Compounds						

8 3 9A 5/18/98

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

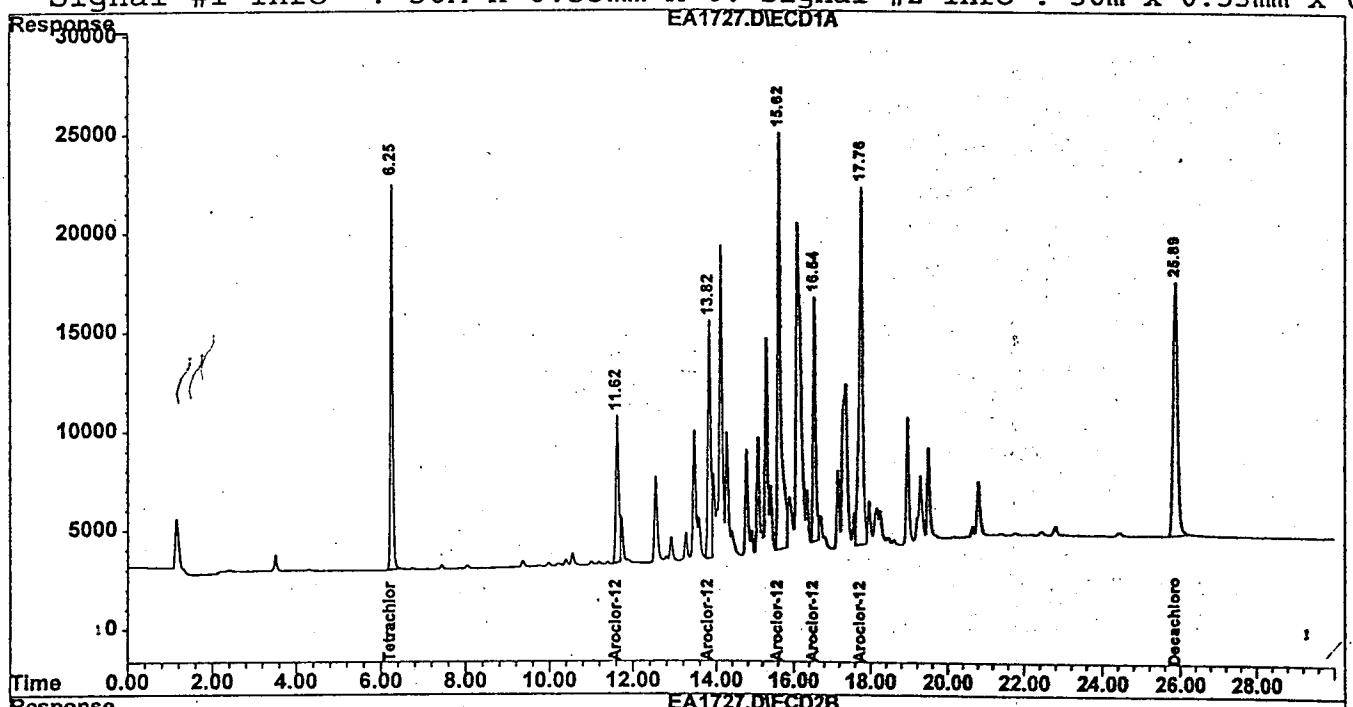
Quantitation Report

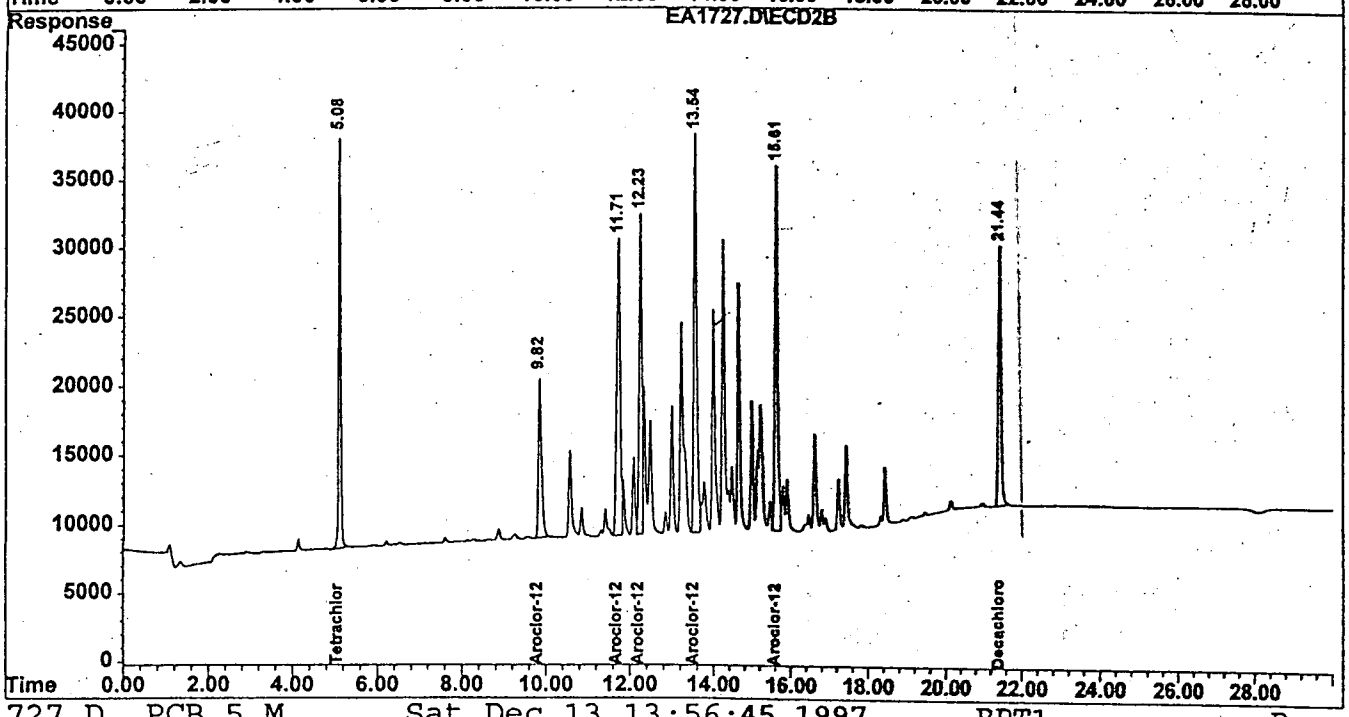
Signal #1 : C:\HPCHEM\1\DATA_E\EA1727.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_E\EA1727.D\ECD2B.CH
Acq On : 12 Dec 97 1:33 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:45 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

1254

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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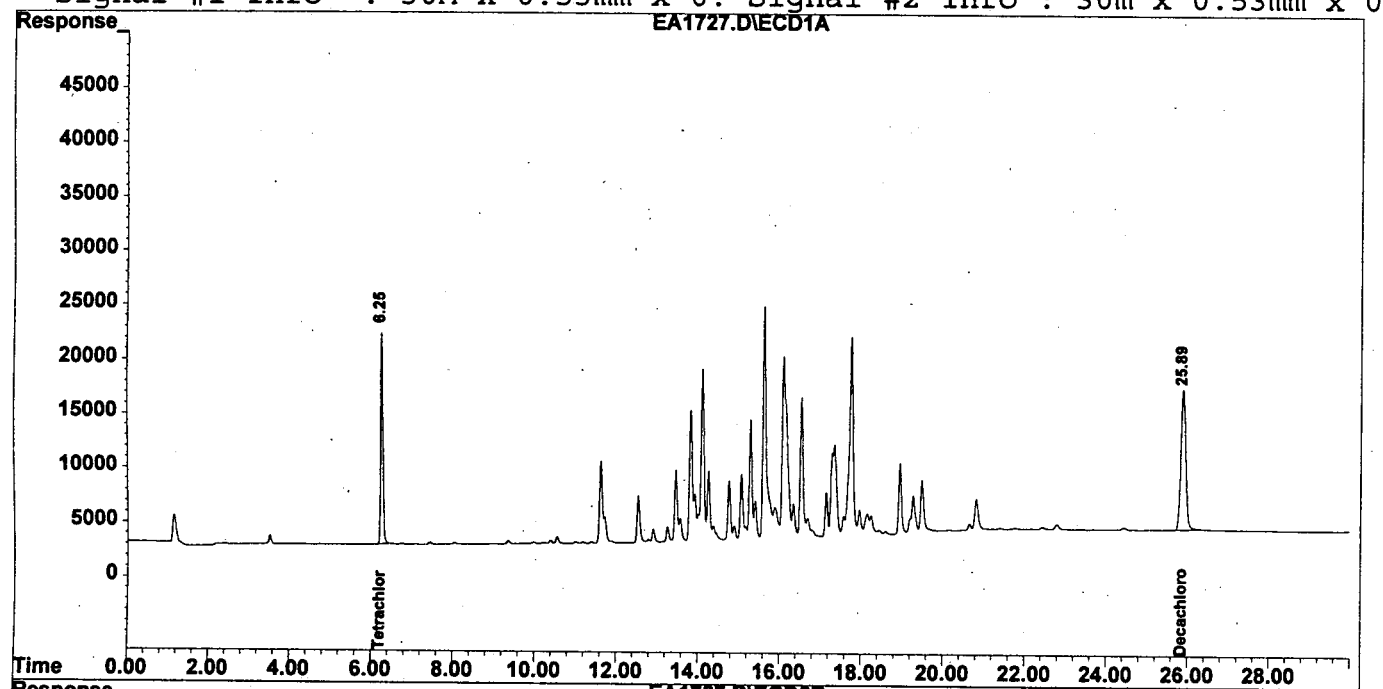
Quantitation Report

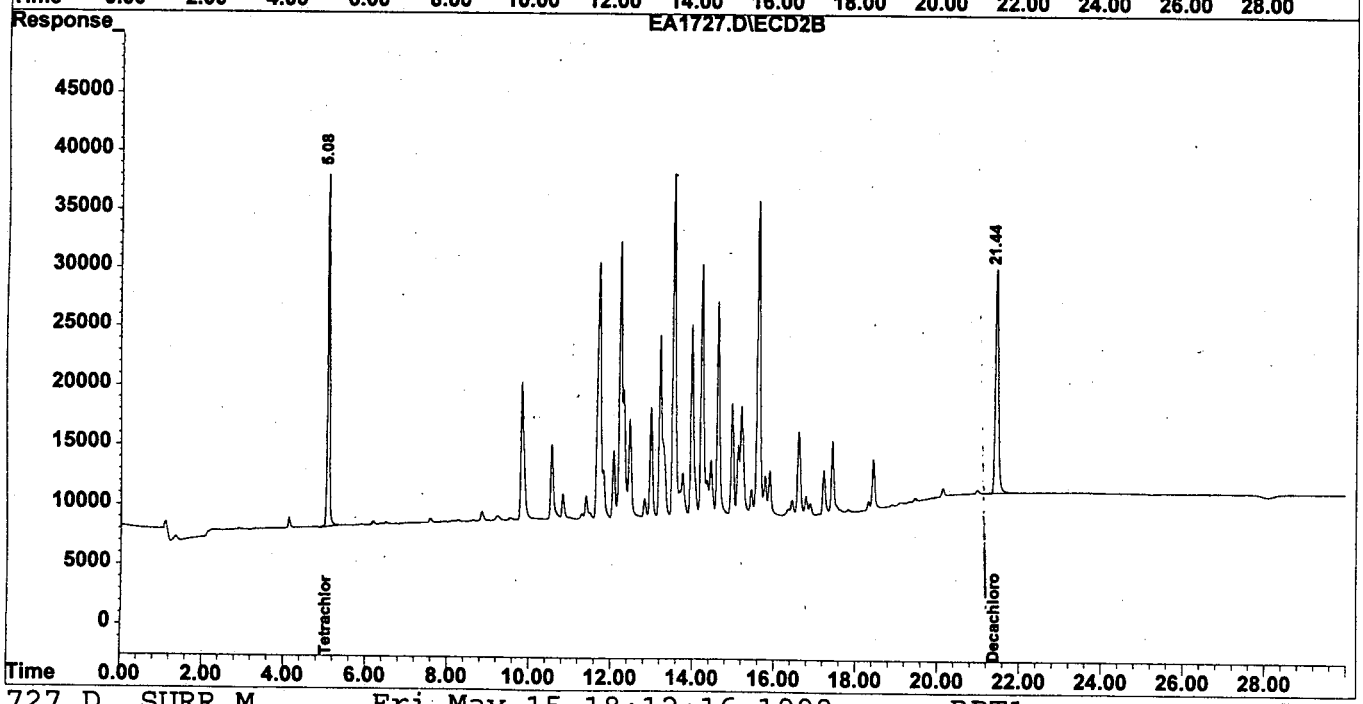
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1727.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDATA\EA1727.D\ECD2B.CH
Acq On : 12 Dec 97 1:33 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:35 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	16402.7	15.3	6.16 - 6.26	12/12/97	8:44
Decachlorobiphenyl	50	23519.9	22065.0	6.2	25.74 - 25.94	12/12/97	8:44
Aroclor-1254-1	1000	374.1	369.0	1.4	11.52 - 11.66	12/12/97	8:44
Aroclor-1254-2	1000	593.4	603.2	1.6	13.71 - 13.85	12/12/97	8:44
Aroclor-1254-3	1000	1299.3	1335.5	2.8	15.51 - 15.65	12/12/97	8:44
Aroclor-1254-4	1000	624.5	655.0	4.9	16.43 - 16.57	12/12/97	8:44
Aroclor-1254-5	1000	1212.9	1197.2	1.3	17.65 - 17.79	12/12/97	8:44

QPC7394B.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	22229.5	2.7	5.01 - 5.11	12/12/97	8:44
Decachlorobiphenyl	50	22813. 8	20009.9	12.3	21.32 - 21.52	12/12/97	8:44
Aroclor-1254-1	1000	616.4	625.9	1.6	9.74 - 9.88	12/12/97	8:44
Aroclor-1254-2	1000	1235.2	1309.8	6.0	11.62 - 11.76	12/12/97	8:44
Aroclor-1254-3	1000	988.2	1077.7	9.1	12.14 - 12.28	12/12/97	8:44
Aroclor-1254-4	1000	1400.2	1498.8	7.0	13.45 - 13.59	12/12/97	8:44
Aroclor-1254-5	1000	1373.7	1438.8	4.7	15.53 - 15.67	12/12/97	8:44

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1738.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1738.D\ECD2B.CH
Acq On : 12 Dec 97 8:44
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:25 1997 Quant Results File: PCB_5.RES

Vial: 34

Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	6.21	5.06	820110	1113170	59.611	55.971
Spiked Amount 40.000 Range 43 - 150 Recovery =					149.03%	139.93%
) SA Decachlorobiphen	25.84	21.42	1096461	984688	47.125	45.315
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.81%	113.29%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
erage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
erage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
erage Aroclor-1248					0.000	0.000
7) L6 Aroclor-1254{1}	11.59	9.81	369004	625941	986.312m	1015.503
8) L6 Aroclor-1254{2}	13.78	11.69	603196	1309796	1016.496m	1060.408
9) L6 Aroclor-1254{3}	15.58	12.21	1335494	1077676	1027.828m	1090.520m
0) L6 Aroclor-1254{4}	16.50	13.52	654956	1498840	1048.702m	1070.440
1) L6 Aroclor-1254{5}	17.72	15.60	1197218	1438840	987.079m	1047.431
Sum Aroclor-1254			4159868	5951093	5066.416	5284.301
verage Aroclor-1254					1013.283	1056.860
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1738.D\ECD1A.CH Vial: 34
Signal #2 : E:\WESTDATA\EA1738.D\ECD2B.CH
Acq On : 12 Dec 97 8:44 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:36 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.21	5.06	820134	1111477	57.662	51.333
Spiked Amount 40.000 Range 43 - 150 Recovery =					144.16%	128.33%
2) SA Decachlorobiphen	25.84	21.42	1103250	1000494	46.907	43.855
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.27%	109.64%
Target Compounds						

5/18/8 8 4 3A

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

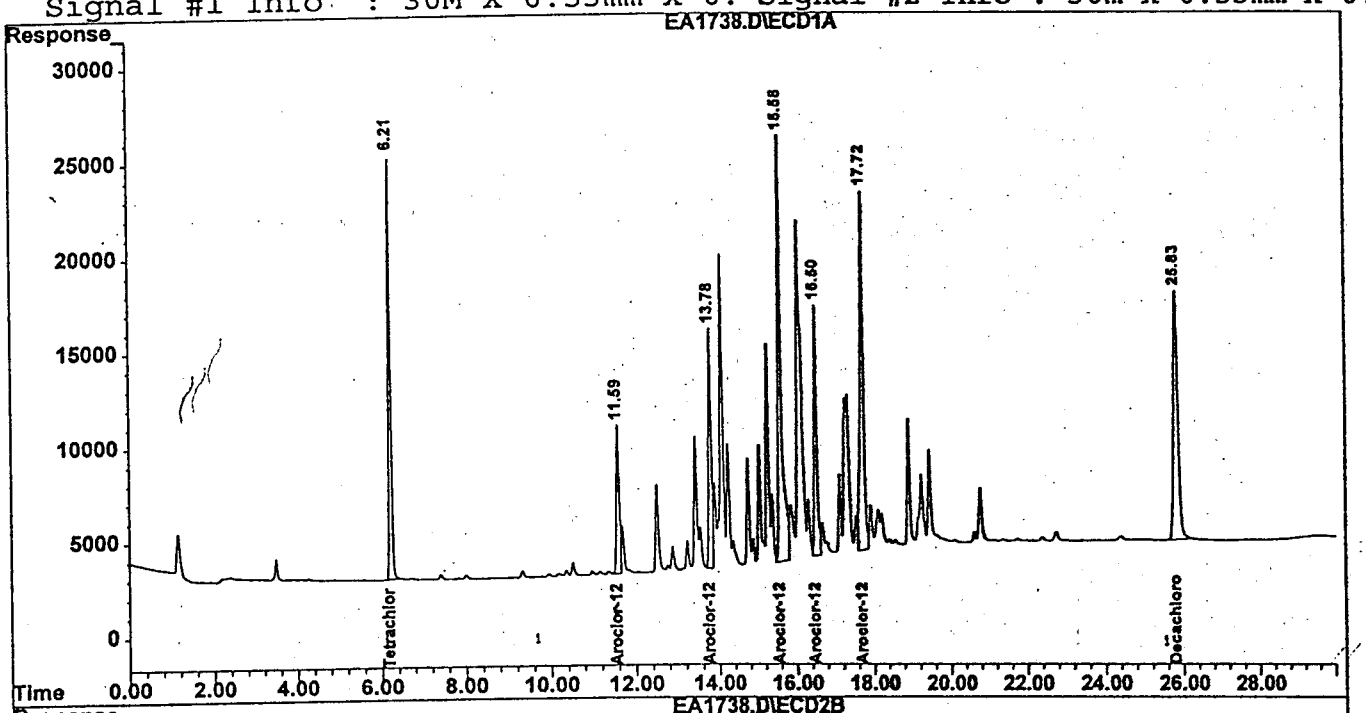
Quantitation Report

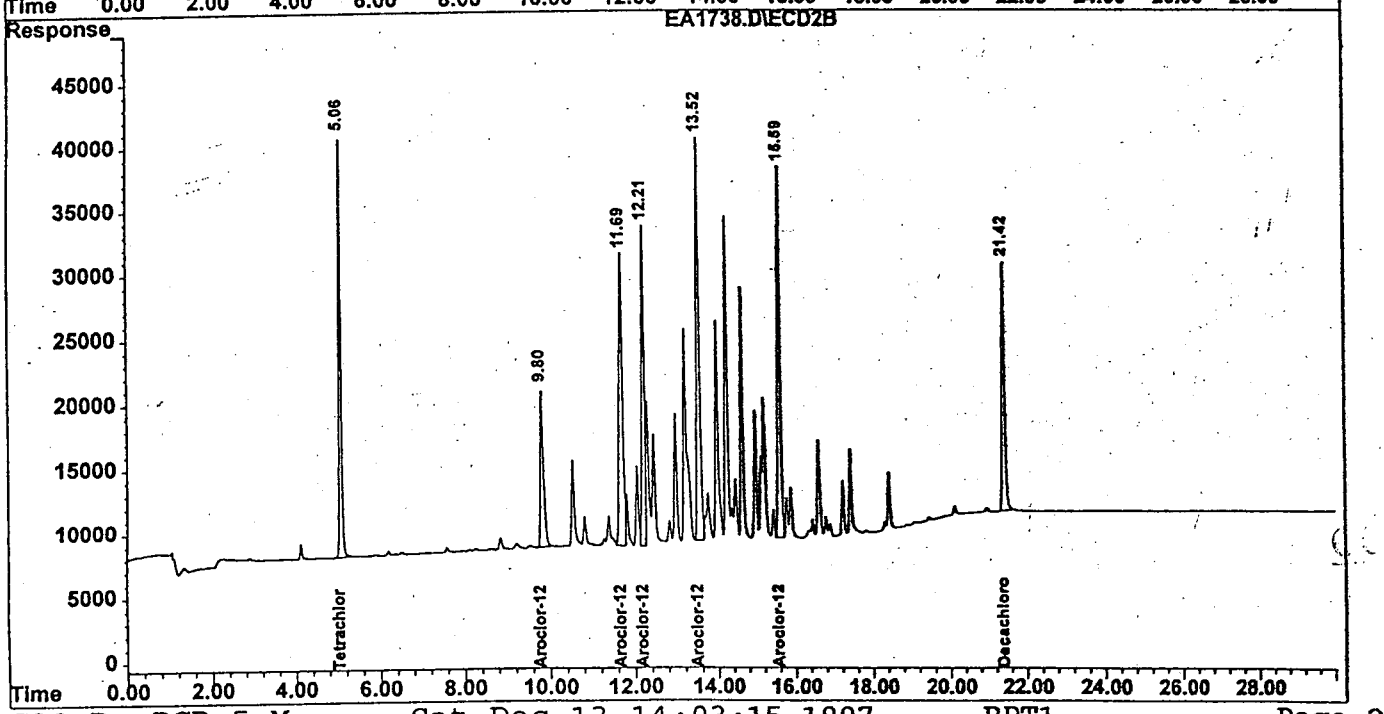
Signal #1 : C:\HPCHEM\1\DATA_E\EA1738.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1738.D\ECD2B.CH
Acq On : 12 Dec 97 8:44
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 12 9:25 1997 Quant Results File: PCB_5.RES

Vial: 34
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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Quantitation Report

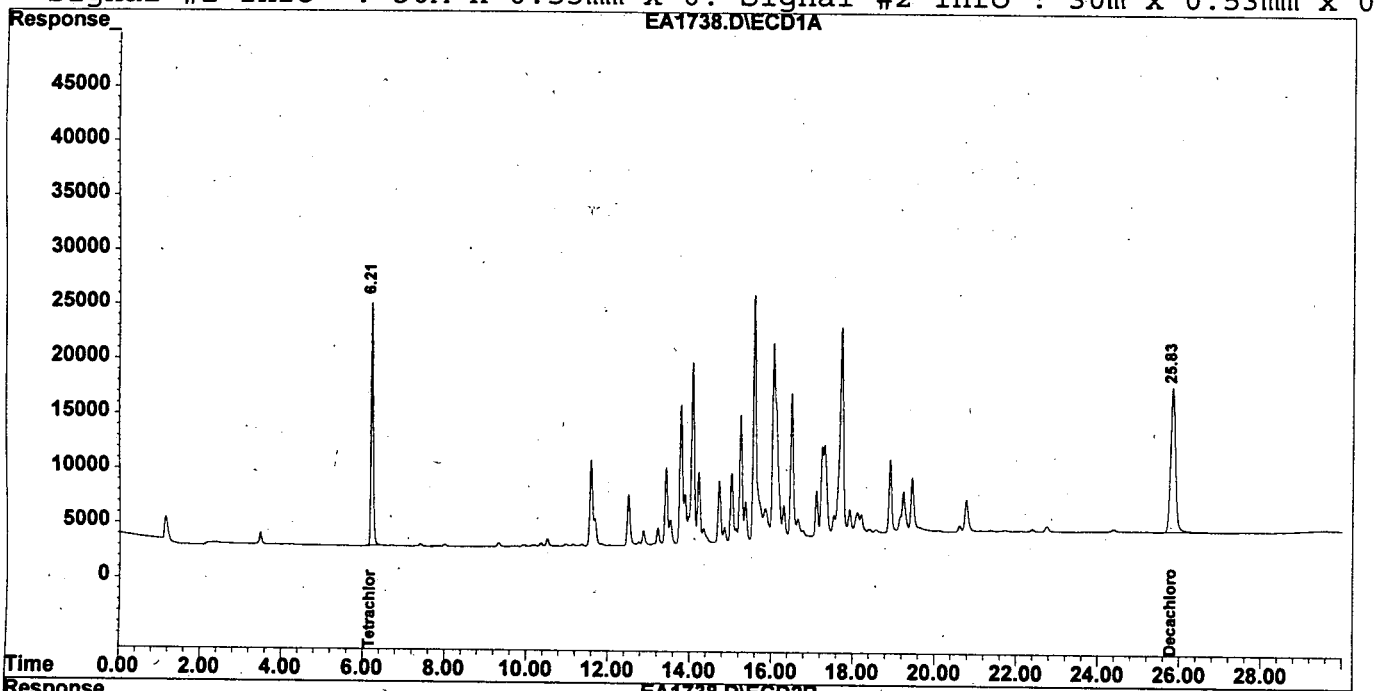
AMENDED REPORT 1998

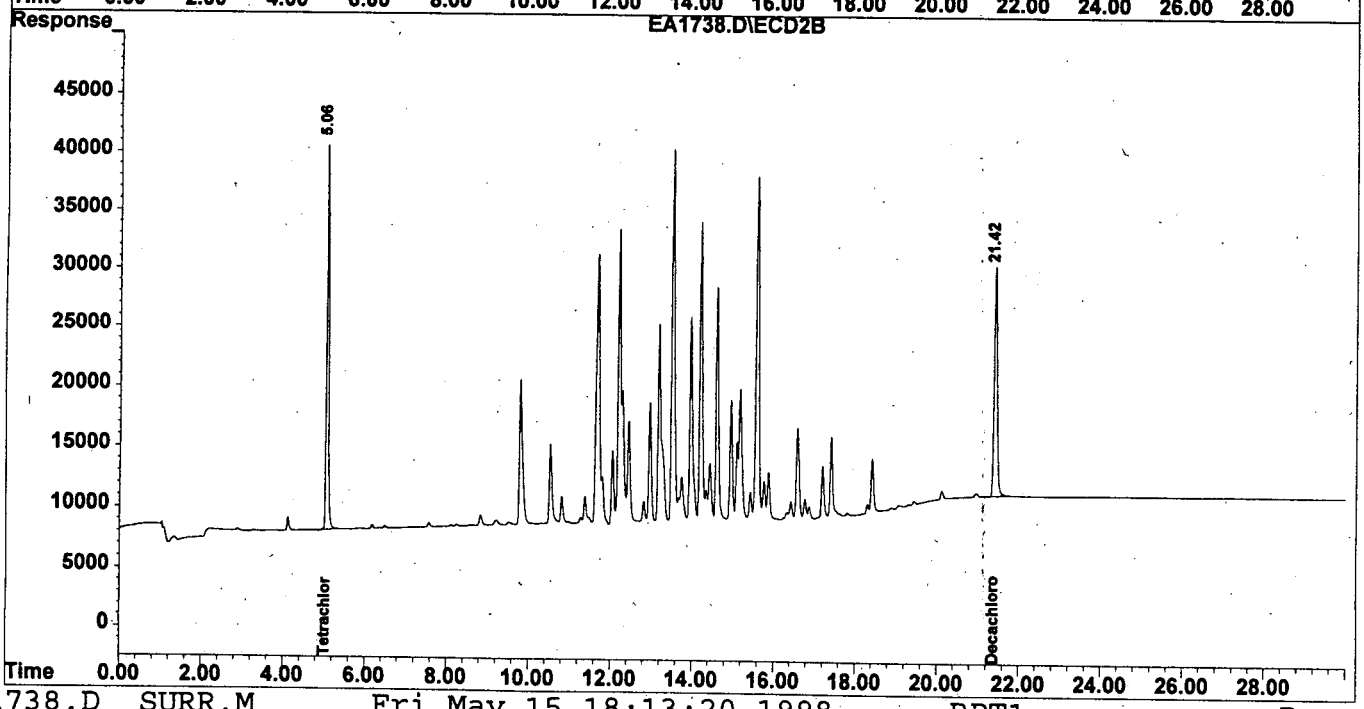
Signal #1 : E:\WESTDATA\EA1738.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1738.D\ECD2B.CH
Acq On : 12 Dec 97 8:44
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:36 1998 Quant Results File: SURR.RES

Vial: 34
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





844A

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	13456.7	5.4	6.23 - 6.33	12/12/97	18:31
Decachlorobiphenyl	50	23519.9	20725.0	11.9	25.83 - 26.03	12/12/97	18:31
Aroclor-1254-1	1000	374.1	359.5	3.9	11.59 - 11.73	12/12/97	18:31
Aroclor-1254-2	1000	593.4	533.5	10.1	13.79 - 13.93	12/12/97	18:31
Aroclor-1254-3	1000	1299.3	1156.9	11.0	15.59 - 15.73	12/12/97	18:31
Aroclor-1254-4	1000	624.5	628.4	0.6	16.51 - 16.65	12/12/97	18:31
Aroclor-1254-5	1000	1212.9	1142.1	5.8	17.73 - 17.87	12/12/97	18:31

QPC7394B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	20470.7	5.5	5.04 - 5.14	12/12/97	18:31
Decachlorobiphenyl	50	22813.8	19181.0	15.9	21.35 - 21.55	12/12/97	18:31
Aroclor-1254-1	1000	616.4	613.3	0.5	9.76 - 9.90	12/12/97	18:31
Aroclor-1254-2	1000	1235.2	1231.0	0.3	11.65 - 11.79	12/12/97	18:31
Aroclor-1254-3	1000	988.2	1010.7	2.3	12.17 - 12.31	12/12/97	18:31
Aroclor-1254-4	1000	1400.2	1434.0	2.4	13.47 - 13.61	12/12/97	18:31
Aroclor-1254-5	1000	1373.7	1409.7	2.6	15.55 - 15.69	12/12/97	18:31

QPC7394B.XLS

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 2 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1749.D\ECD1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA_E\EA1749.D\ECD2B.CH
Acq On : 12 Dec 97 18:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 15:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	672774	1011736	48.901	50.871
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.25%	127.18%
2) SA Decachlorobiphen	25.93	21.45	1032359	952904	44.370m	43.852
Spiked Amount 40.000 Range 24 - 154 Recovery =					110.93%	109.63%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.66	9.83	359542	613272	961.021m	994.950
28) L6 Aroclor-1254{2}	13.86	11.72	533464	1231046	898.984m	996.652
29) L6 Aroclor-1254{3}	15.66	12.24	1156864	1010724	890.350m	1022.770
30) L6 Aroclor-1254{4}	16.58	13.54	628360	1434007	1006.117m	1024.137
31) L6 Aroclor-1254{5}	17.80	15.62	1142114	1409668	941.647m	1026.195
Sum Aroclor-1254			3820344	5698717	4698.119	5064.704
Average Aroclor-1254					939.624	1012.941
Sum 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.

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1749.D\ECD1A.CH Vial: 45
Signal #2 : E:\WESTDATA\EA1749.D\ECD2B.CH
Acq On : 12 Dec 97 18:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	672836	1023537	47.306	47.272
Spiked Amount 40.000 Range 43 - 150 Recovery =					118.27%	118.18%
2) SA Decachlorobiphen	25.94	21.45	1036250	959051	44.059	42.038
Spiked Amount 40.000 Range 24 - 154 Recovery =					110.15%	105.10%

Target Compounds

8 4 7A

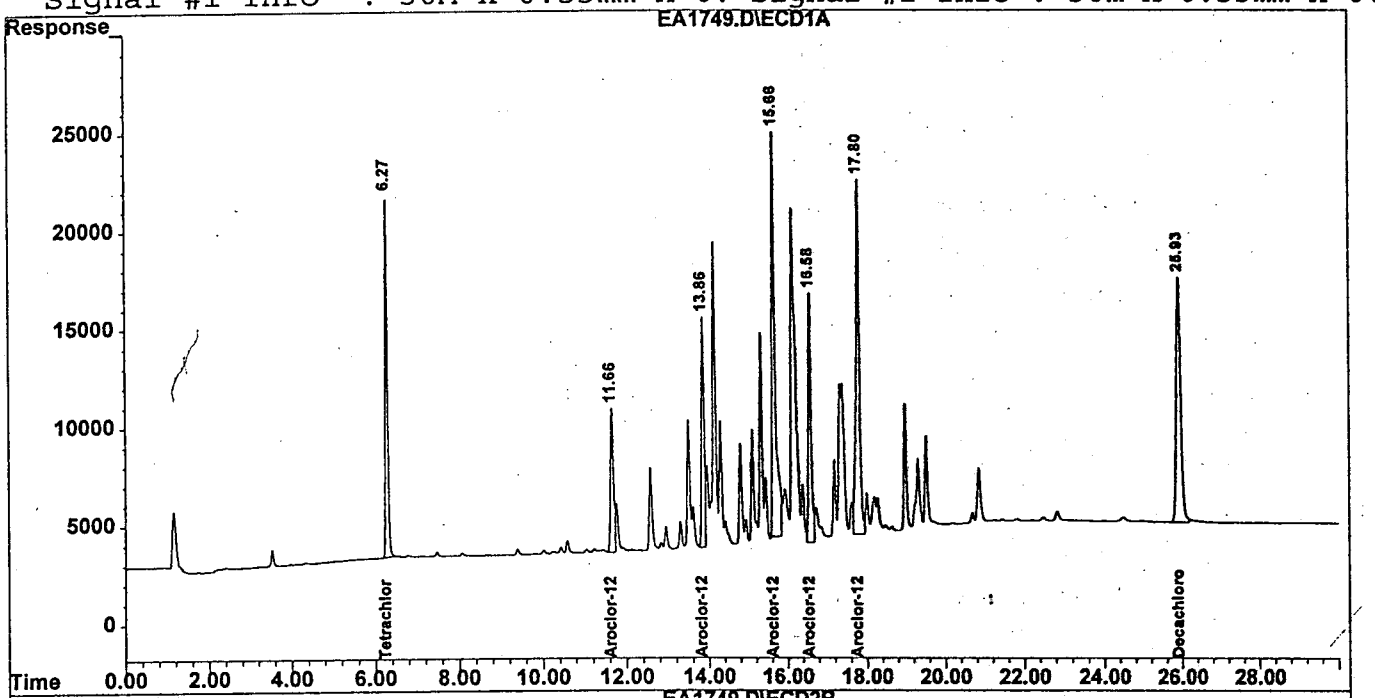
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

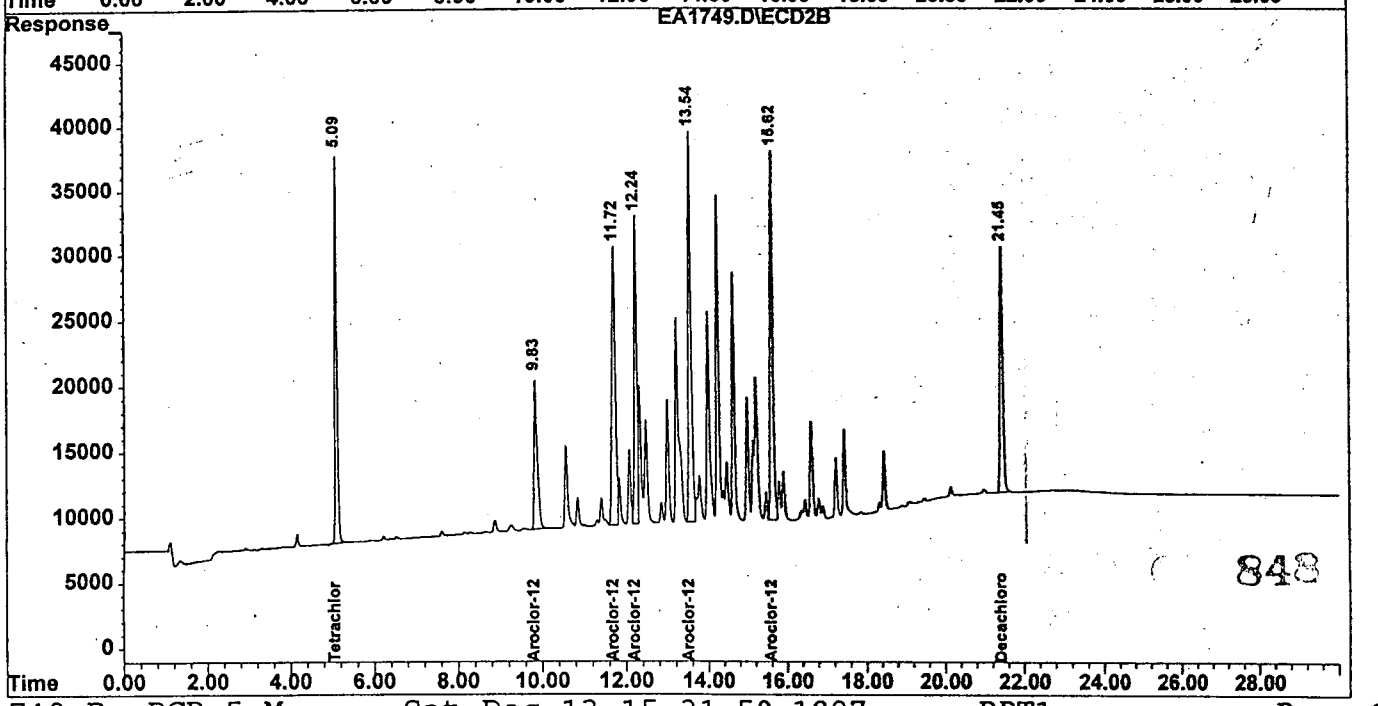
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1749.D\ECD1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA_E\EA1749.D\ECD2B.CH
Acq On : 12 Dec 97 18:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 15:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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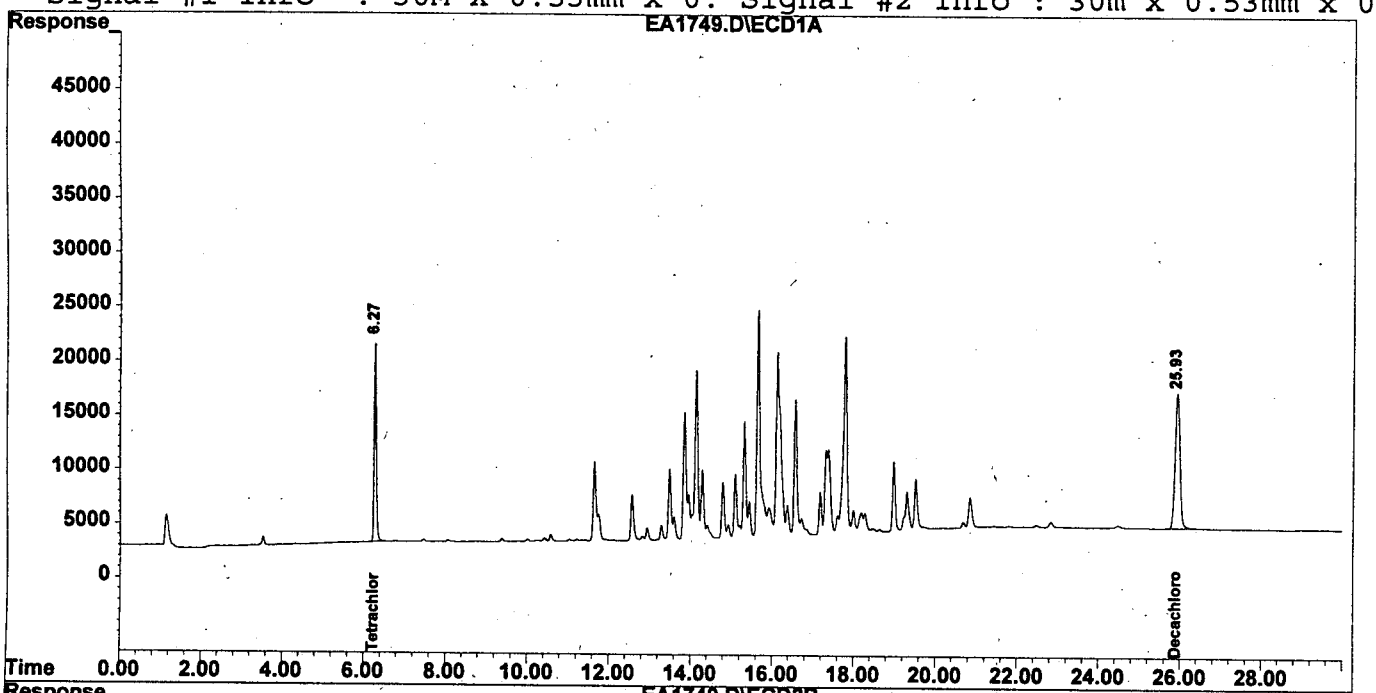
Quantitation Report

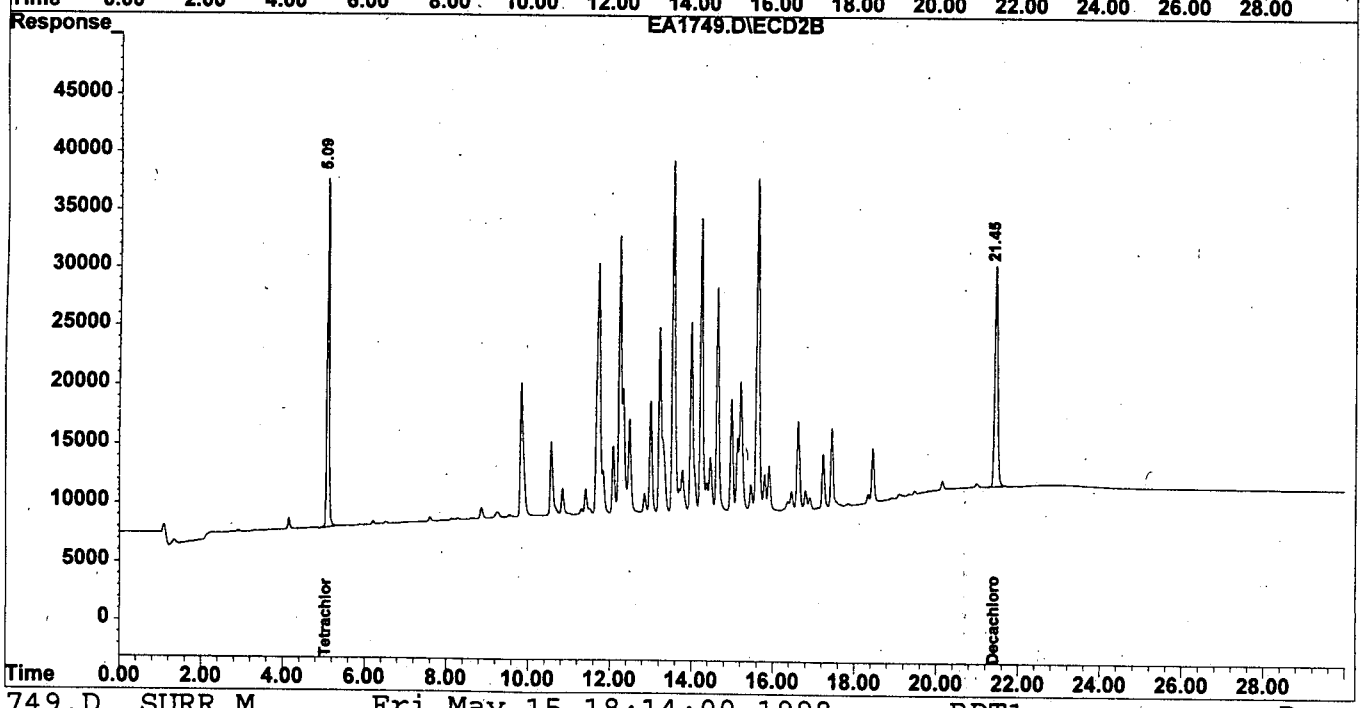
AMENDED REPORT MAY 3 0 1

Signal #1 : E:\WESTDATA\EA1749.D\ECD1A.CH Vial: 45
Signal #2 : E:\WESTDATA\EA1749.D\ECD2B.CH
Acq On : 12 Dec 97 18:31 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 11:37 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.2	12832.5	9.8	6.23 - 6.33	12/13/97	11:55
Decachlorobiphenyl	50	23519.9	21589.6	8.2	25.84 - 26.04	12/13/97	11:55
Aroclor-1254-1	1000	374.1	330.5	11.7	11.59 - 11.73	12/13/97	11:55
Aroclor-1254-2	1000	593.4	508.4	14.3	13.79 - 13.93	12/13/97	11:55
Aroclor-1254-3	1000	1299.3	1166.8	10.2	15.59 - 15.73	12/13/97	11:55
Aroclor-1254-4	1000	624.5	718.9	15.1	16.51 - 16.65	12/13/97	11:55
Aroclor-1254-5	1000	1212.9	1267.5	4.5	17.73 - 17.87	12/13/97	11:55

QPC7394B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	20429.7	5.6	5.04 - 5.14	12/13/97	11:55
Decachlorobiphenyl	50	22813.8	18441.6	19.2	21.35 - 21.55	12/13/97	11:55
Aroclor-1254-1	1000	616.4	564.3	8.5	9.76 - 9.90	12/13/97	11:55
Aroclor-1254-2	1000	1235.2	1175.9	4.8	11.65 - 11.79	12/13/97	11:55
Aroclor-1254-3	1000	988.2	985.8	0.2	12.17 - 12.31	12/13/97	11:55
Aroclor-1254-4	1000	1400.2	1460.8	4.3	13.47 - 13.61	12/13/97	11:55
Aroclor-1254-5	1000	1373.7	1573.3	14.5	15.55 - 15.69	12/13/97	11:55

QPC7394B.XLS

AMENDED REPORT JUN 0 2 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1753.D\ECD1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA_E\EA1753.D\ECD2B.CH
Acq On : 13 Dec 97 11:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:36 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
SA Tetrachloro-m-xy	6.28	5.09	641623	1003354	46.637	50.449
piked Amount	40.000	Range 43 - 150	Recovery	=	116.59%	126.12%
SA Decachlorobiphen	25.94f	21.45	1028620	919167	44.209m	42.300
piked Amount	40.000	Range 24 - 154	Recovery	=	110.52%	105.75%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
rage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
rage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
rage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
rage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
rage Aroclor-1248					0.000	0.000
L6 Aroclor-1254{1}	11.66	9.83	330500	564271	883.395m	915.452
L6 Aroclor-1254{2}	13.86	11.72	508356	1175949	856.673m	952.046
L6 Aroclor-1254{3}	15.66	12.24	1166796	985801	897.994m	997.550
L6 Aroclor-1254{4}	16.58	13.54	718902	1460831	1151.091m	1043.294
L6 Aroclor-1254{5}	17.80	15.62	1267526	1573294	1045.046m	1145.310m
Sum Aroclor-1254			3992080	5760146	4834.199	5053.651
rage Aroclor-1254					966.840	1010.730
Sum Aroclor-1260			0	0	N.D.	N.D.
rage Aroclor-1260					0.000	0.000

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1753.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\WESTDA~1\EA1753.D\ECD2B.CH
Acq On : 13 Dec 97 11:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:41 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.28	5.09	641623	1021487	45.111	47.177
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.78%	117.94%
2) SA Decachlorobiphen	25.94	21.45	1079479	922082	45.897	40.418
Spiked Amount 40.000 Range 24 - 154 Recovery =					114.74%	101.05%

Target Compounds

851A

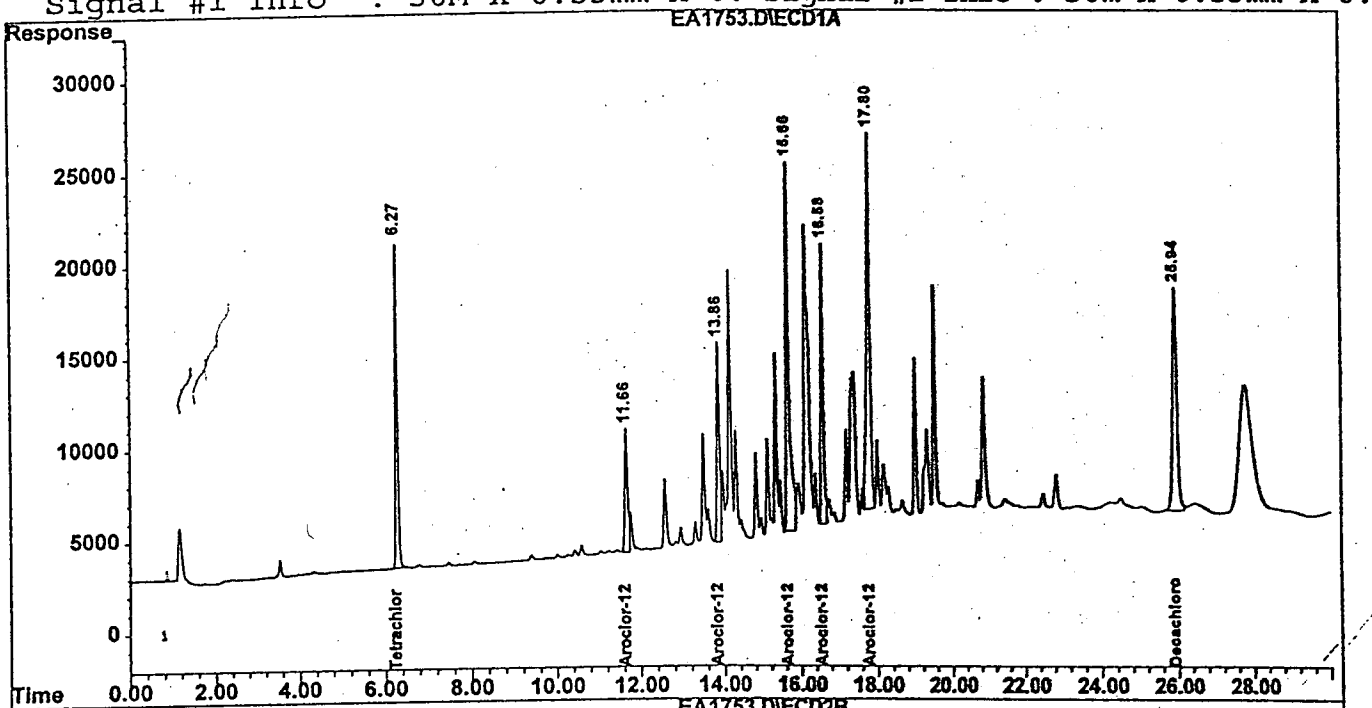
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

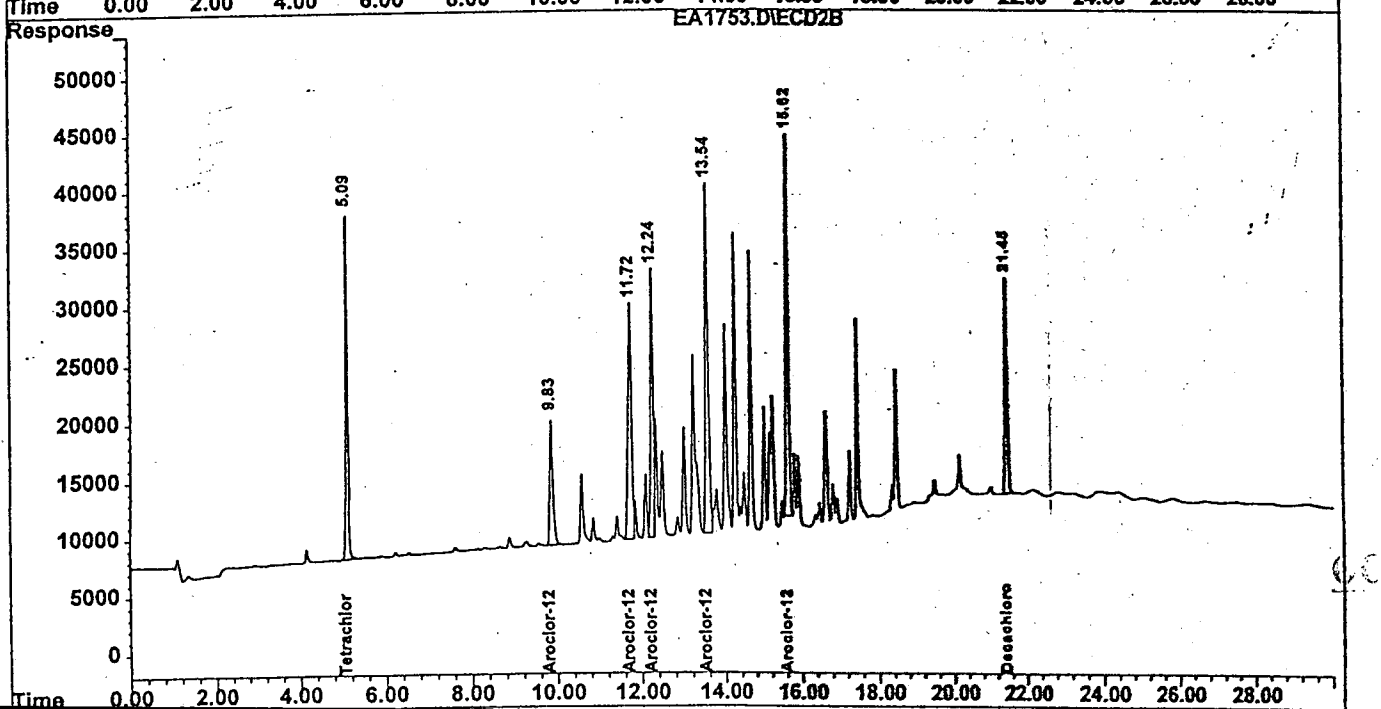
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1753.D\ECD1A.CH Vial: 45
Signal #2 : C:\HPCHEM\1\DATA_E\EA1753.D\ECD2B.CH
Acq On : 13 Dec 97 11:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:36 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





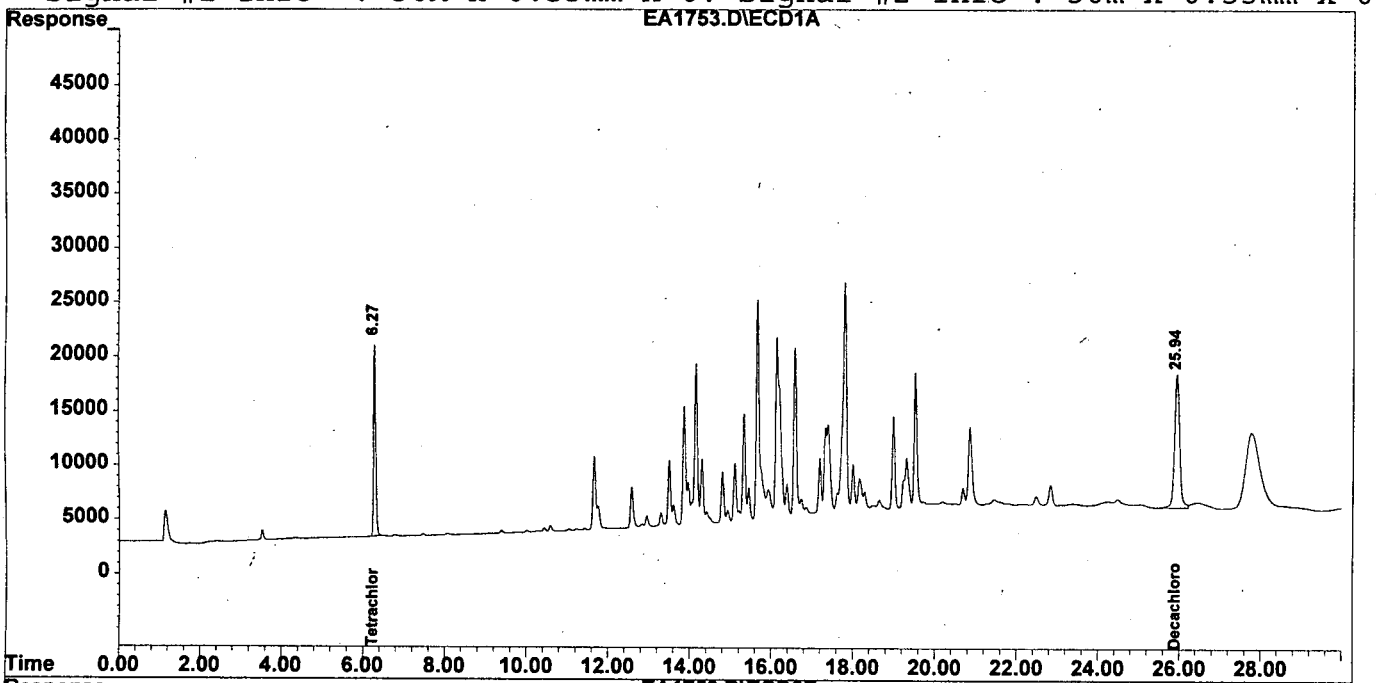
Quantitation Report

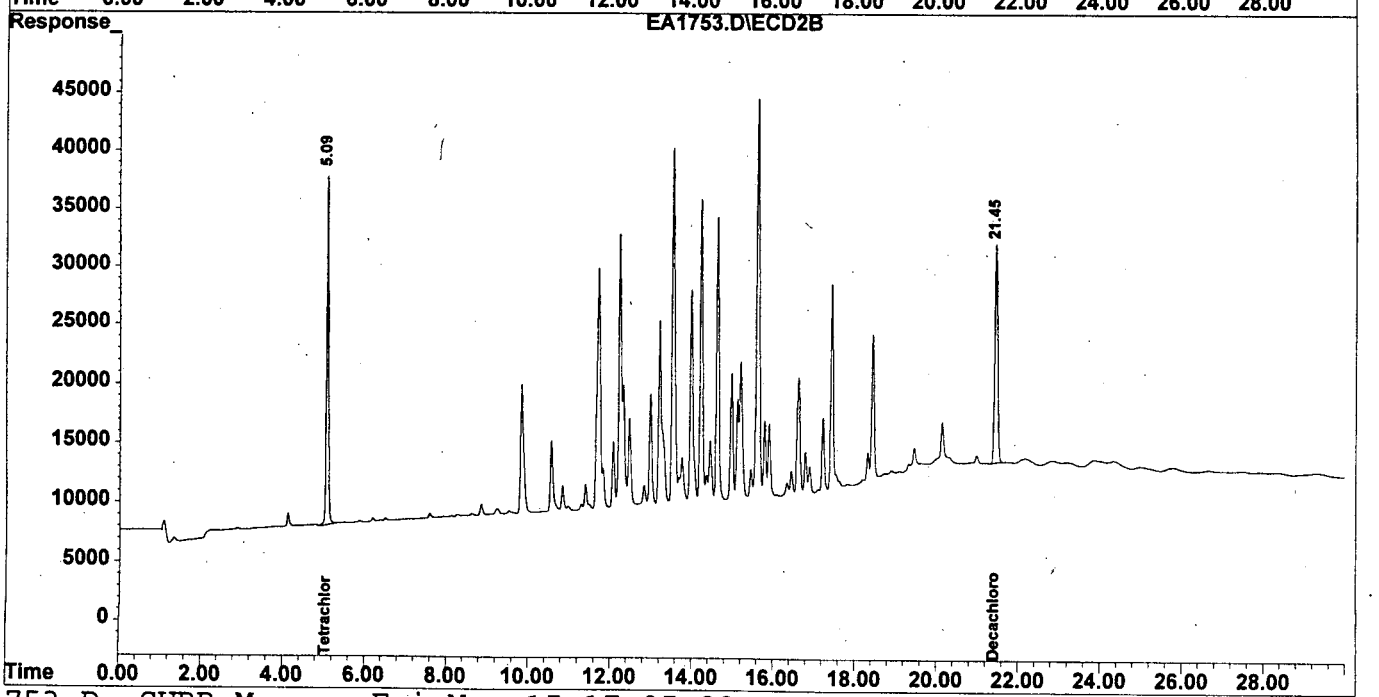
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1753.D\ECD1A.CH Vial: 45
Signal #2 : C:\HPCHEM\WESTDA~1\EA1753.D\ECD2B.CH
Acq On : 13 Dec 97 11:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:41 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





852A

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	14223.3	14734.8	3.6	6.20 - 6.30	12/13/97	23:05
Decachlorobiphenyl	50	23520.0	22554.8	4.1	25.79 - 25.99	12/13/97	23:05
Aroclor-1254-1	1000	374.1	370.0	1.1	11.56 - 11.70	12/13/97	23:05
Aroclor-1254-2	1000	593.4	580.9	2.1	13.76 - 13.90	12/13/97	23:05
Aroclor-1254-3	1000	1299.3	1235.6	4.9	15.56 - 15.70	12/13/97	23:05
Aroclor-1254-4	1000	624.5	579.1	7.3	16.48 - 16.62	12/13/97	23:05
Aroclor-1254-5	1000	1212.9	1146.6	5.5	17.70 - 17.84	12/13/97	23:05

QPC7394B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	21652.3	22193.0	2.5	5.03 - 5.13	12/13/97	23:05
Decachlorobiphenyl	50	22813.8	22554.8	10.3	21.34 - 21.54	12/13/97	23:05
Aroclor-1254-1	1000	616.4	618.2	0.3	9.75 - 9.89	12/13/97	23:05
Aroclor-1254-2	1000	1235.2	1254.5	1.6	11.64 - 11.78	12/13/97	23:05
Aroclor-1254-3	1000	988.2	1035.0	4.7	12.16 - 12.30	12/13/97	23:05
Aroclor-1254-4	1000	1400.2	1453.3	3.8	13.47 - 13.61	12/13/97	23:05
Aroclor-1254-5	1000	1373.7	1391.1	1.3	15.55 - 15.69	12/13/97	23:05

QPC7394B.XLS

AMENDED REPORT JUN 0 2 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1764.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1764.D\ECD2B.CH
Acq On : 13 Dec 97 23:05 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	736739	1107107	53.551	55.666
Spiked Amount 40.000 Range 43 - 150 Recovery =					133.88%	139.17%
2) SA Decachlorobiphen	25.89	21.44	1114483	1080868	47.900	49.741
Spiked Amount 40.000 Range 24 - 154 Recovery =					119.75%	124.35%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
verage Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
verage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
verage Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
verage Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
verage Aroclor-1248					0.000	0.000
7) L6 Aroclor-1254{1}	11.63	9.82	370014	618218	989.012	1002.973
8) L6 Aroclor-1254{2}	13.83	11.71	580904	1254488	978.930	1015.631
9) L6 Aroclor-1254{3}	15.63	12.23	1235563	1034961	950.918	1047.296
0) L6 Aroclor-1254{4}	16.55	13.54	579104	1453306	927.250	1037.920
1) L6 Aroclor-1254{5}	17.77	15.62	1146620	1391128	945.362	1012.698
Sum Aroclor-1254			3912205	5752101	4791.472	5116.518
verage Aroclor-1254					958.294	1023.304
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000

855

12/15/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1764.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\WESTDA~1\EA1764.D\ECD2B.CH
Acq On : 13 Dec 97 23:05 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:45 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	736739	1109651	51.798	51.249
Spiked Amount 40.000 Range 43 - 150 Recovery =					129.50%	128.12%
2) SA Decachlorobiphen	25.89	21.44	1127738	1258712	47.948	55.173
Spiked Amount 40.000 Range 24 - 154 Recovery =					119.87%	137.93%
Target Compounds						

855A

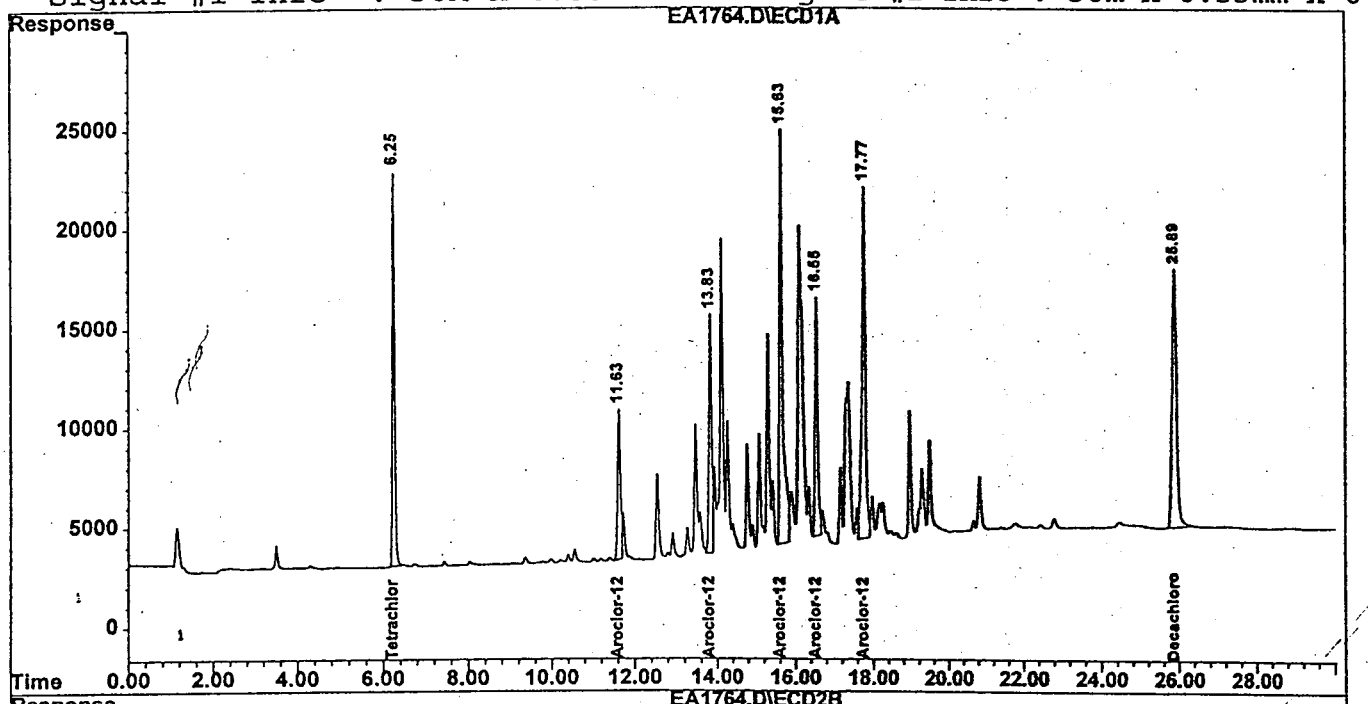
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

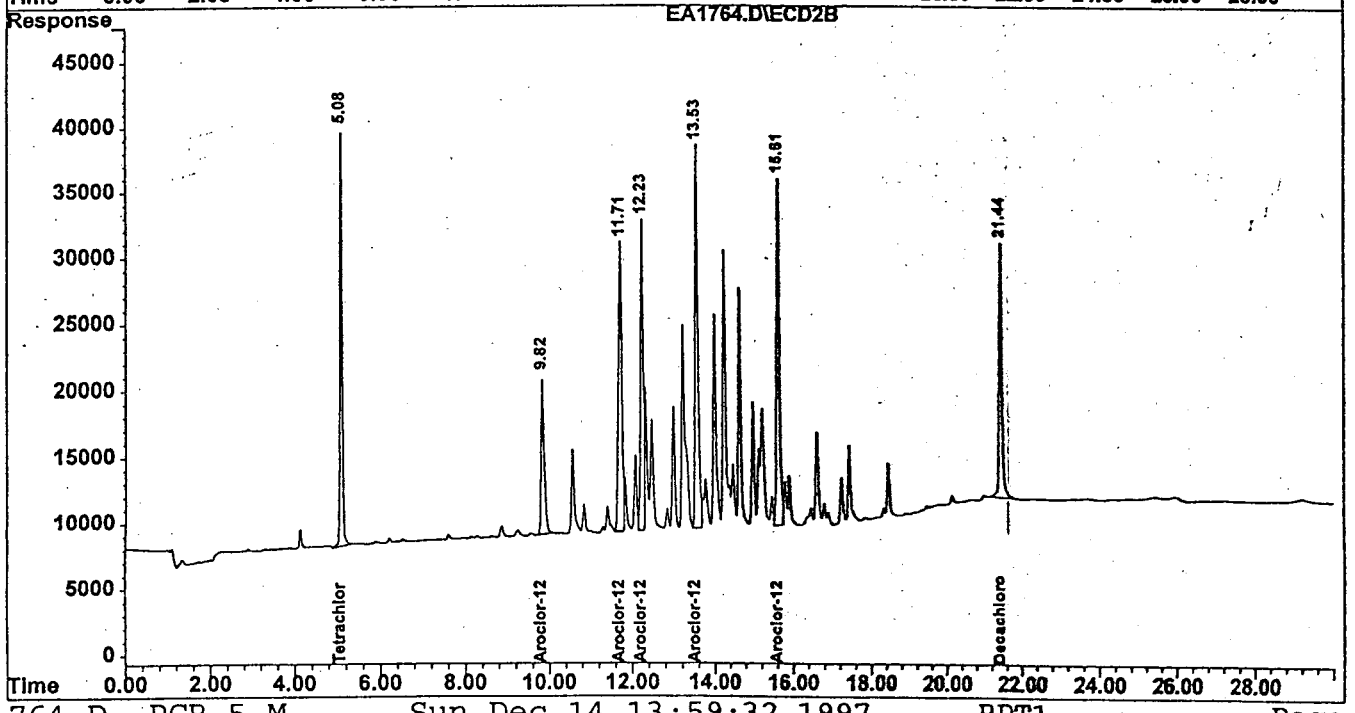
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1764.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_E\EA1764.D\ECD2B.CH
Acq On : 13 Dec 97 23:05 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:40 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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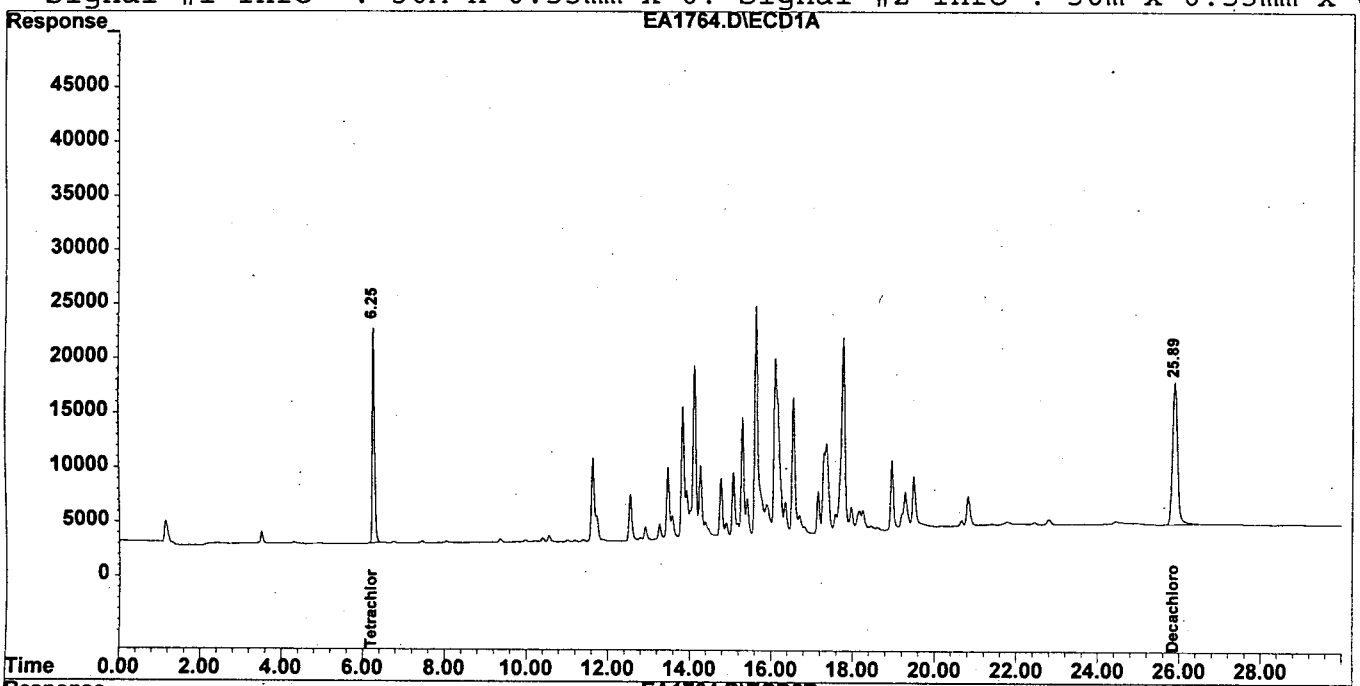
Quantitation Report

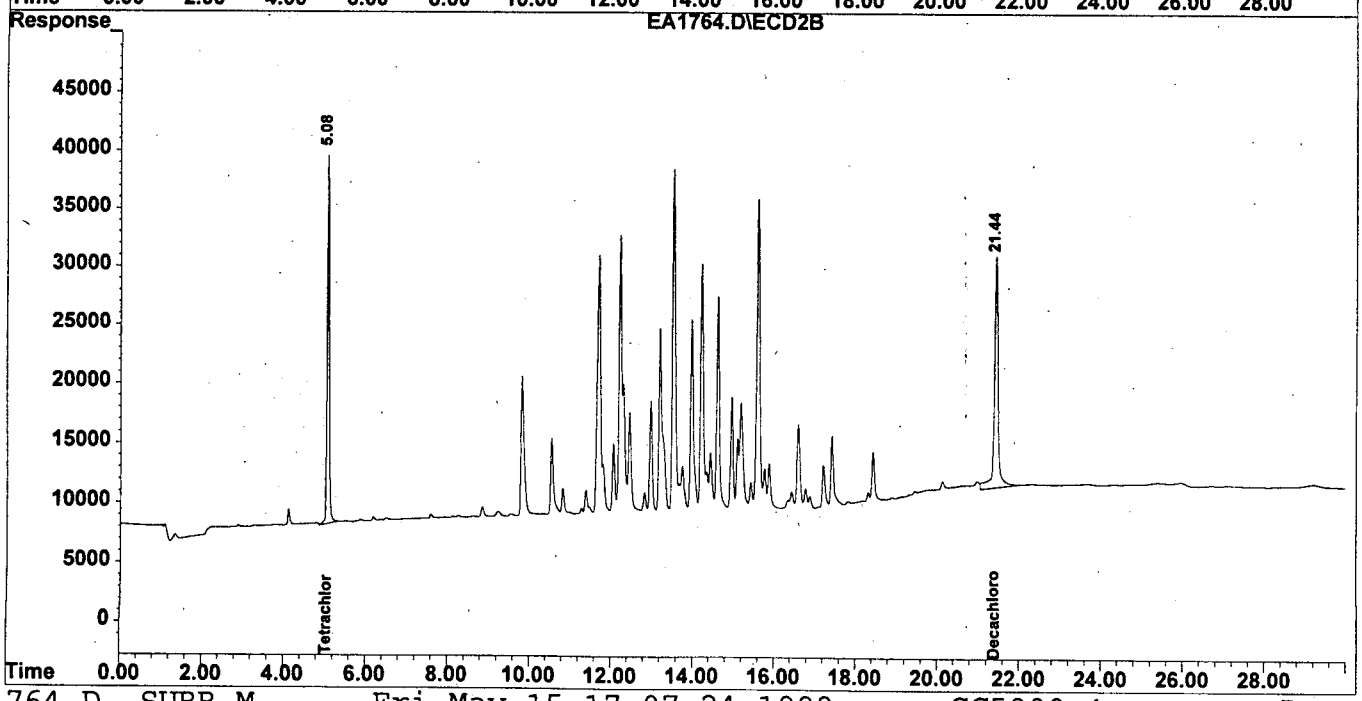
AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1764.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\WESTDA~1\EA1764.D\ECD2B.CH
Acq On : 13 Dec 97 23:05 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:45 1998 Quant Results File: SURR.RES

Quant Method : D:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-~~1701~~ 5D
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	14223.2	16150.8	13.6	6.20 - 6.30	12/14/97	5:16
DCB for AR1254 #3	50	23519.9	24559.9	4.4	25.80 - 26.00	12/14/97	5:16

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1254 #3	50	21652.3	23694.9	9.4	5.04 - 5.14	12/14/97	5:16
DCB for AR1254 #3	50	22813.8	22143.2	2.9	21.35 - 21.55	12/14/97	5:16

QPC7390B.XLS

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 2 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1775.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1775.D\ECD2B.CH
Acq On : 14 Dec 97 5:16 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:51 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	807538	1179890	58.697	59.326
Spiked Amount 40.000 Range 43 - 150 Recovery =					146.74%	148.32%
2) SA Decachlorobiphen	25.90	21.45	1219399	1082155	52.409	49.801
Spiked Amount 40.000 Range 24 - 154 Recovery =					131.02%	124.50%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
			%D ok	%D ok		
27) L6 Aroclor-1254{1}	11.63	9.83	399853	668101	1068.768	1083.902
28) L6 Aroclor-1254{2}	13.83	11.71	638813	1355919	1076.516	1097.749
29) L6 Aroclor-1254{3}	15.63	12.23	1400133	1123973	1077.576	1137.368
30) L6 Aroclor-1254{4}	16.55	13.54	655714	1590671	1049.915	1136.023
31) L6 Aroclor-1254{5}	17.77	15.62	1313671	1514609	1083.092	1102.589
Sum Aroclor-1254			4408183	6253274	5355.867	5557.632
Average Aroclor-1254					1071.173	1111.526
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

00 857

mw 12/15/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1775.D\ECD1A.CH Vial: 22
Signal #2 : E:\WESTDA~1\EA1775.D\ECD2B.CH
Acq On : 14 Dec 97 5:16 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:43 1998 Quant Results File: SURR.RES

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	807538	1184744	56.776	54.717
Spiked Amount 40.000 Range 43 - 150 Recovery =					141.94%	136.79%
2) SA Decachlorobiphen	25.90	21.45	1227996	1107161	52.211	48.530
Spiked Amount 40.000 Range 24 - 154 Recovery =					130.53%	121.33%

Target Compounds

JM 6/1/98 857A

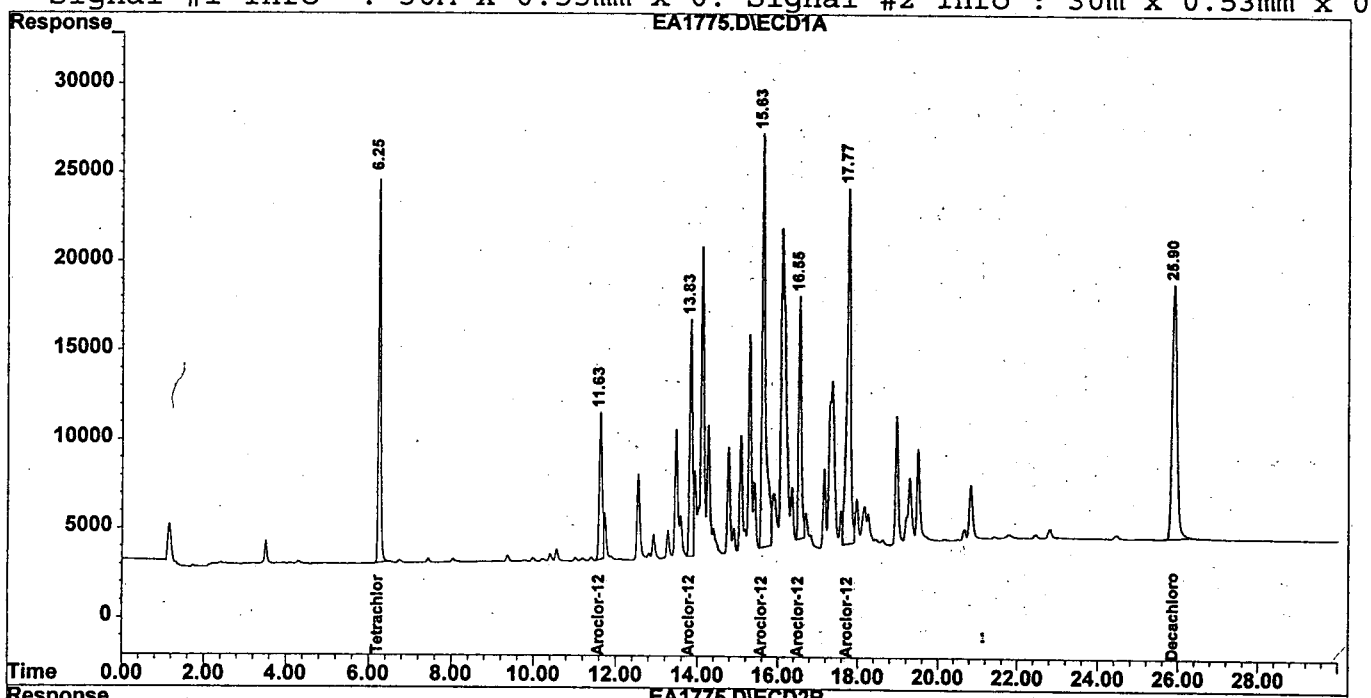
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

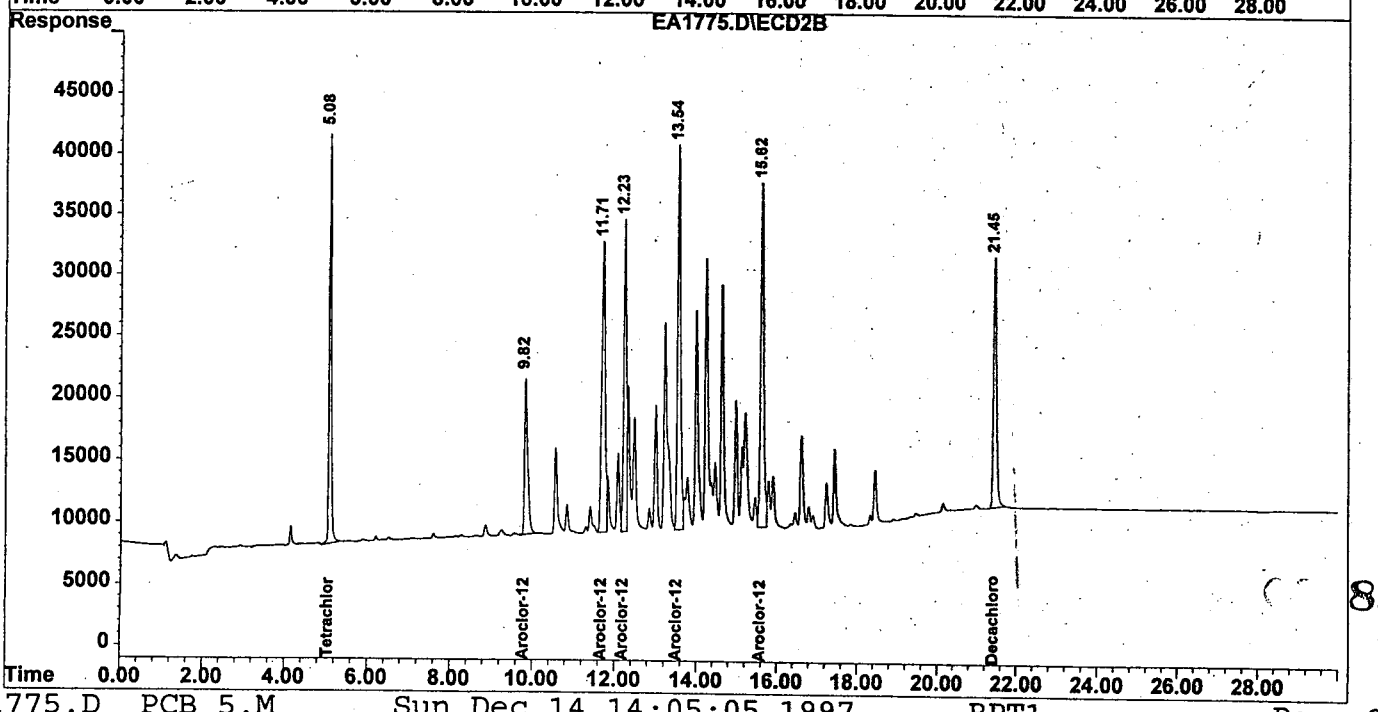
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1775.D\ECD1A.CH Vial: 22
Signal #2 : C:\HPCHEM\1\DATA_E\EA1775.D\ECD2B.CH
Acq On : 14 Dec 97 5:16 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:51 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





858

Quantitation Report

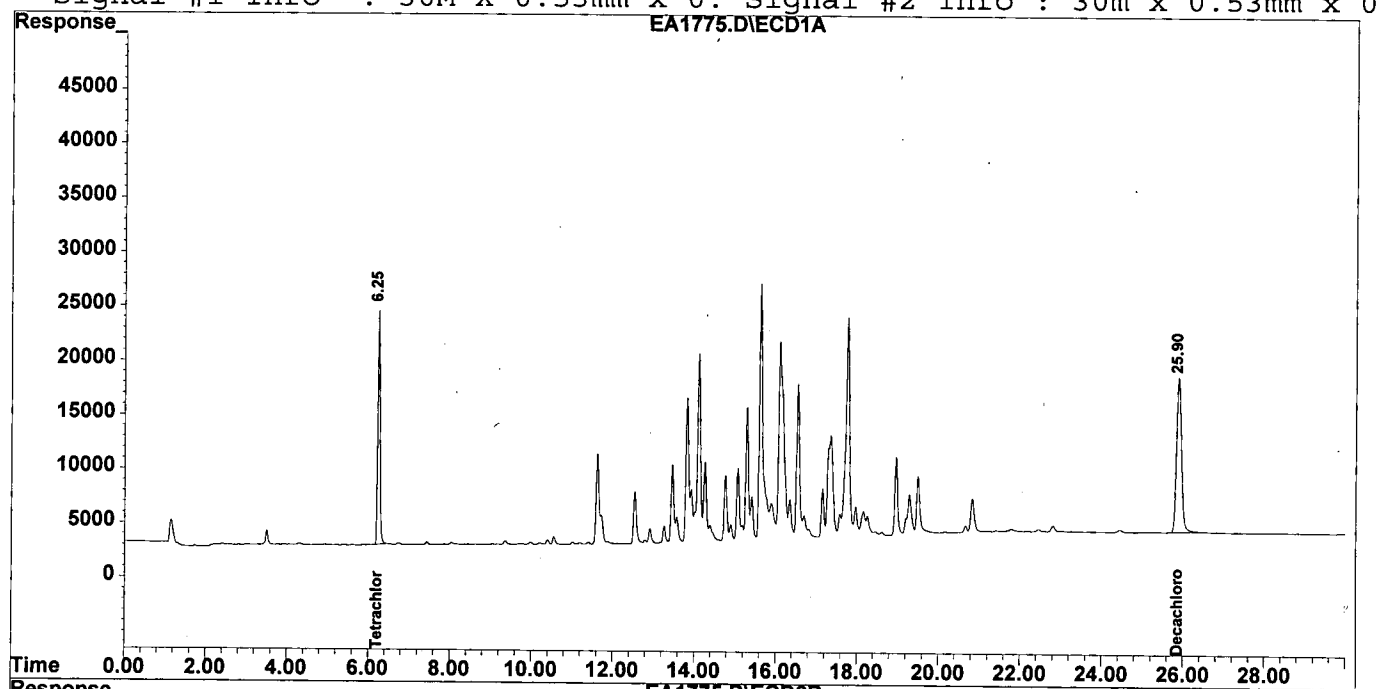
AMENDED REPORT JUN 0 2 1998

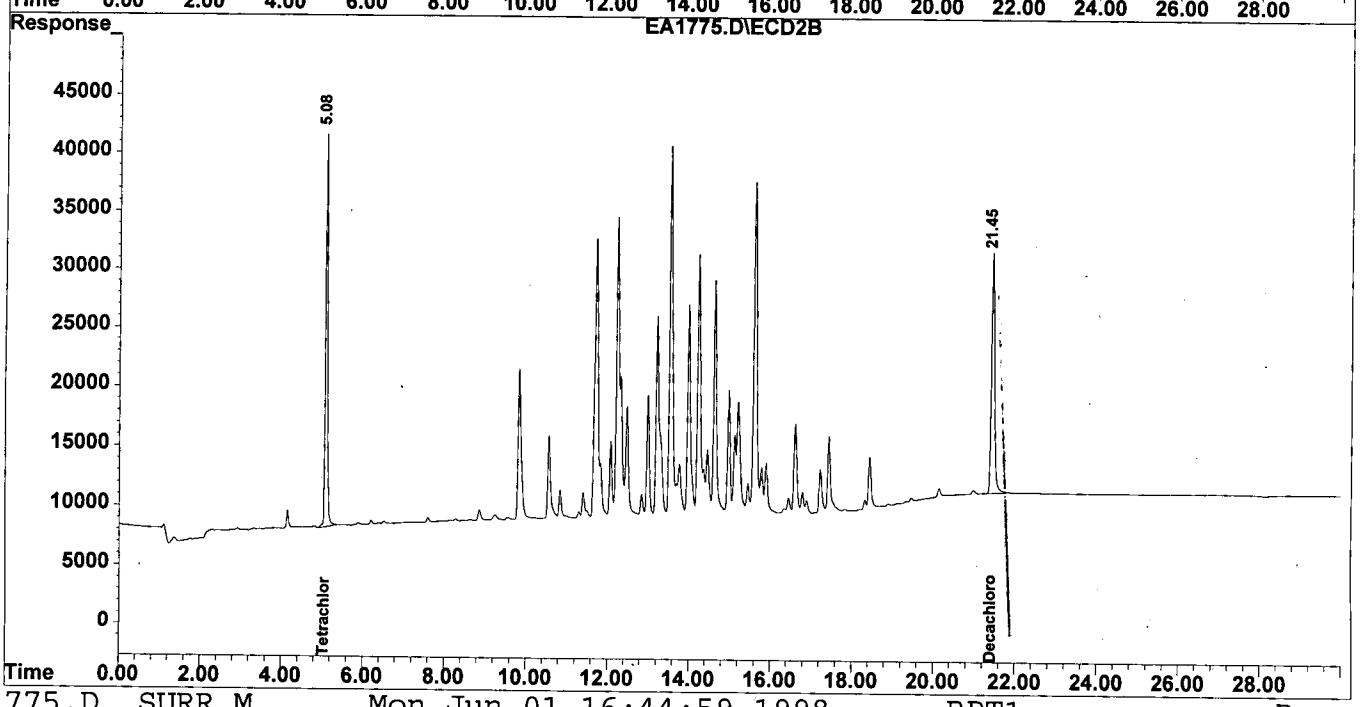
Signal #1 : E:\WESTDA~1\EA1775.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1775.D\ECD2B.CH
Acq On : 14 Dec 97 5:16
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:43 1998 Quant Results File: SURR.RES

Vial: 22
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





858A

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	13757.7	14313.0	4.0	6.19 - 6.29	12/17/97	18:52
Decachlorobiphenyl	50	23267.0	20381.9	12.4	25.75 - 25.95	12/17/97	18:52
Aroclor-1248-1	1000	287.5	272.5	5.2	9.27 - 9.41	12/17/97	18:52
Aroclor-1248-2	1000	838.9	809.4	3.5	10.47 - 10.61	12/17/97	18:52
Aroclor-1248-3	1000	760.5	722.2	5.0	12.46 - 12.60	12/17/97	18:52
Aroclor-1248-4	1000	710.3	668.5	5.9	13.37 - 13.51	12/17/97	18:52
Aroclor-1248-5	1000	332.0	288.3	13.2	15.54 - 15.68	12/17/97	18:52

QPC7391.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	14223.2	14307.5	0.6	6.19 - 6.29	12/17/97	18:52
DCB for AR1248 #3	50	23519.9	20416.0	13.2	25.75 - 25.95	12/17/97	18:52

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	19888.3	21201.7	6.6	5.02 - 5.12	12/17/97	18:52
Decachlorobiphenyl	50	21729.7	19239.1	11.5	21.31 - 21.51	12/17/97	18:52
Aroclor-1248-1	1000	356.0	337.1	5.3	7.50 - 7.64	12/17/97	18:52
Aroclor-1248-2	1000	1212.5	1209.2	0.3	8.76 - 8.90	12/17/97	18:52
Aroclor-1248-3	1000	939.6	941.5	0.2	10.47 - 10.61	12/17/97	18:52
Aroclor-1248-4	1000	867.4	900.6	3.8	10.74 - 10.88	12/17/97	18:52
Aroclor-1248-5	1000	353.9	333.7	5.7	13.44 - 13.58	12/17/97	18:52

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-5
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	21652.3	20958.6	3.2	5.02 - 5.12	12/17/97	18:52
DCB for AR1248 #3	50	22813.8	20452.5	10.4	21.31 - 21.51	12/17/97	18:52

QPC7390B.XLS

8 6 0A

AMENDED REPORT JUN 0 2 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1821.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1821.D\ECD2B.CH
Acq On : 17 Dec 97 18:52 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 10:15 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.07	715649	1060087	52.018	53.302
Spiked Amount 40.000 Range 43 - 150 Recovery =					130.05%	133.26%
2) SA Decachlorobiphen	25.85	21.41	1019096	961953	43.800	44.269
Spiked Amount 40.000 Range 24 - 154 Recovery =					109.50%	110.67%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
22) L5 Aroclor-1248{1}	9.34	7.57	272531	337145	947.898	947.120
23) L5 Aroclor-1248{2}	10.54	8.83	809420	1209170	964.904	997.237
24) L5 Aroclor-1248{3}	12.53	10.54	722200	941545	949.589	1002.055
25) L5 Aroclor-1248{4}	13.44	10.81	668459	900595	941.111	1038.315
26) L5 Aroclor-1248{5}	15.61	13.51	288261	333667	868.357	942.766
Sum Aroclor-1248			2760871	3722121	4671.859	4927.493
Average Aroclor-1248					934.372	985.499
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

861

12/18/97

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

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\EA1821.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1821.D\ECD2B.CH
Acq On : 17 Dec 97 18:52
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:43 1998 Quant Results File: SURR.RES

Vial: 13
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.07	715377	1047929	50.297	48.398
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.74%	121.00%
2) SA Decachlorobiphen	25.85	21.41	1020799	1022625	43.402	44.825
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.51%	112.06%
Target Compounds						

DM 6/11/8 8 6 1A

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

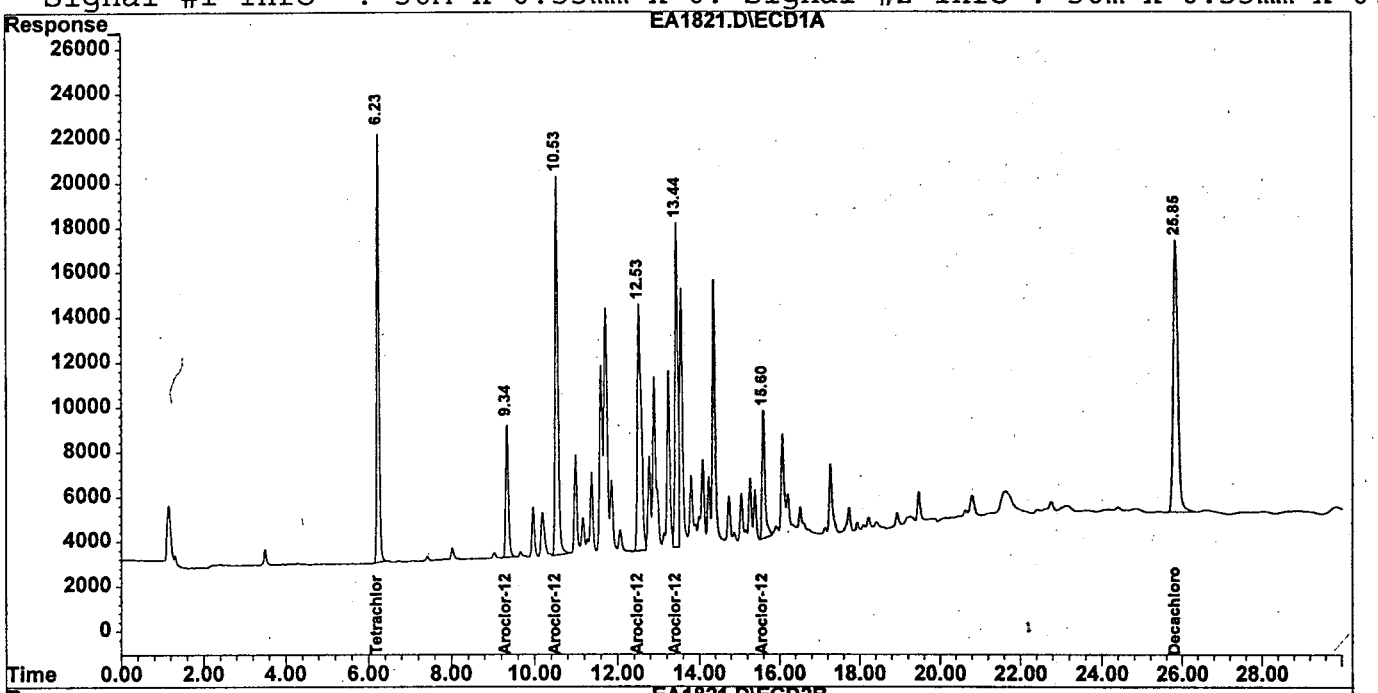
Quantitation Report

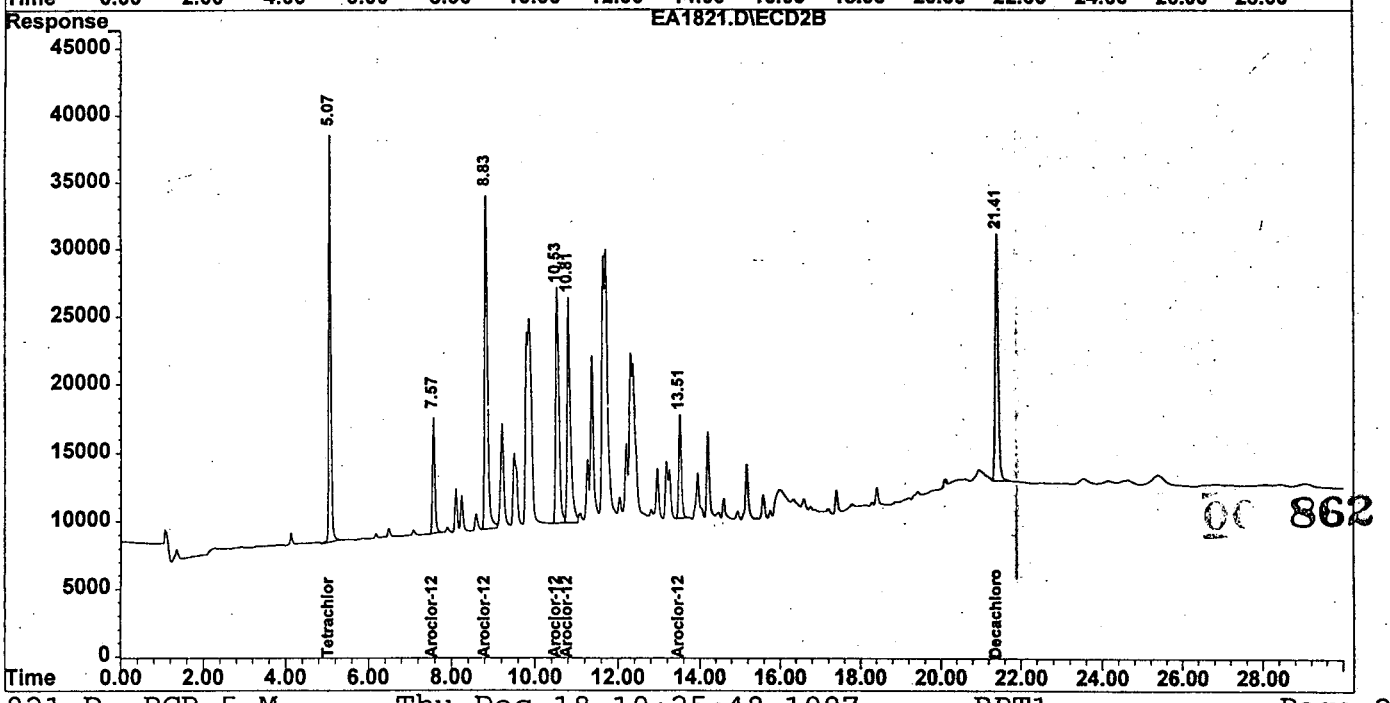
Signal #1 : C:\HPCHEM\1\DATA_E\EA1821.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA_E\EA1821.D\ECD2B.CH
Acq On : 17 Dec 97 18:52 Operator:
Sample : AR1248 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 10:15 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

1248

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





DC 862

Quantitation Report

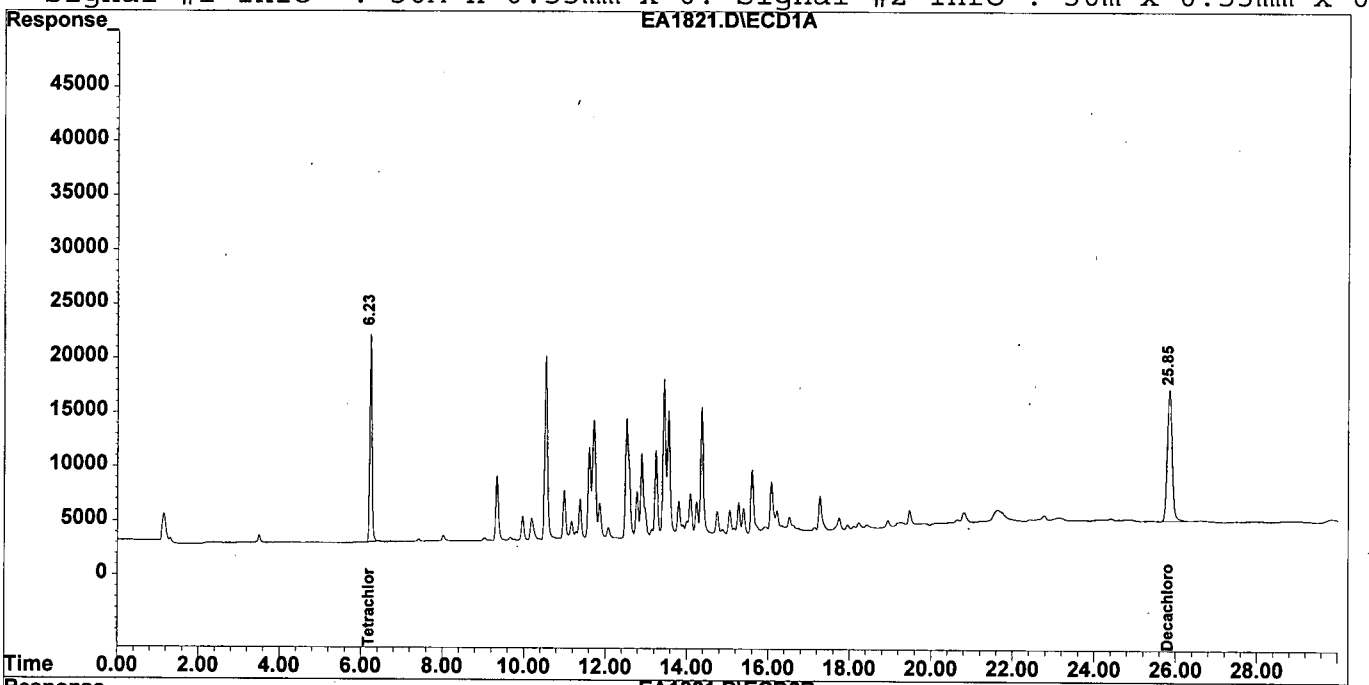
AMENDED REPORT JUN 0 2 1998

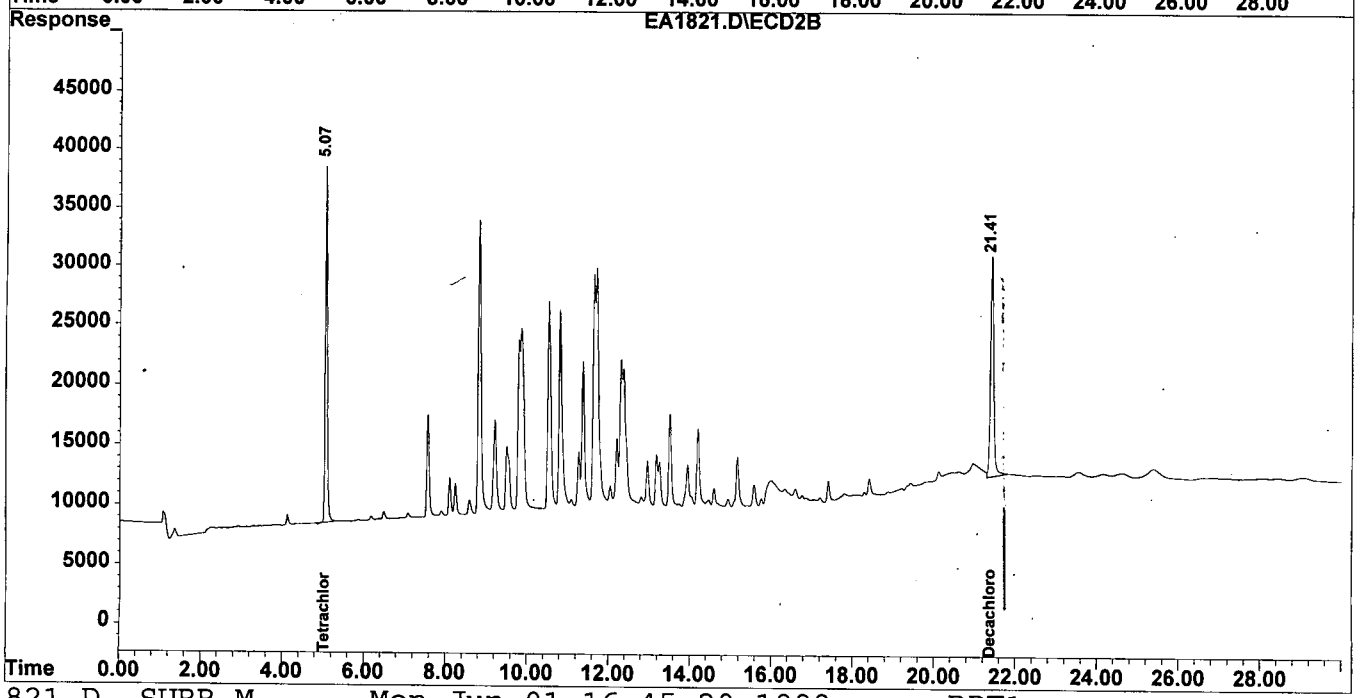
Signal #1 : E:\WESTDA~1\EA1821.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1821.D\ECD2B.CH
Acq On : 17 Dec 97 18:52
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 16:43 1998 Quant Results File: SURR.RES

Vial: 13
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURR.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





862A

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1832.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_E\EA1832.D\ECD2B.CH
Acq On : 18 Dec 97 3:11 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 10:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Form not submitted

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.21	5.06	788664	1080538	57.325m	54.330
Spiked Amount 40.000 Range 43 - 150 Recovery =					143.31%	135.83%
2) SA Decachlorobiphen	25.81	21.40	1013769	956283	43.571	44.008
Spiked Amount 40.000 Range 24 - 154 Recovery =					108.93%	110.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
27) L6 Aroclor-1254{1}	11.58	9.80	369696	608932	988.162	987.909
28) L6 Aroclor-1254{2}	13.78	11.68	556890	1270112	938.461	1028.280
29) L6 Aroclor-1254{3}	15.57	12.20	1181975	1047262	909.676	1059.744
30) L6 Aroclor-1254{4}	16.49	13.51	546250	1465639	874.645	1046.728
31) L6 Aroclor-1254{5}	17.71	15.58	1073355	1416382	884.957	1031.082
Sum Aroclor-1254			3728167	5808328	4595.900	5153.743
Average Aroclor-1254					919.180	1030.749
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

%D ok %D ok

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12/18/97

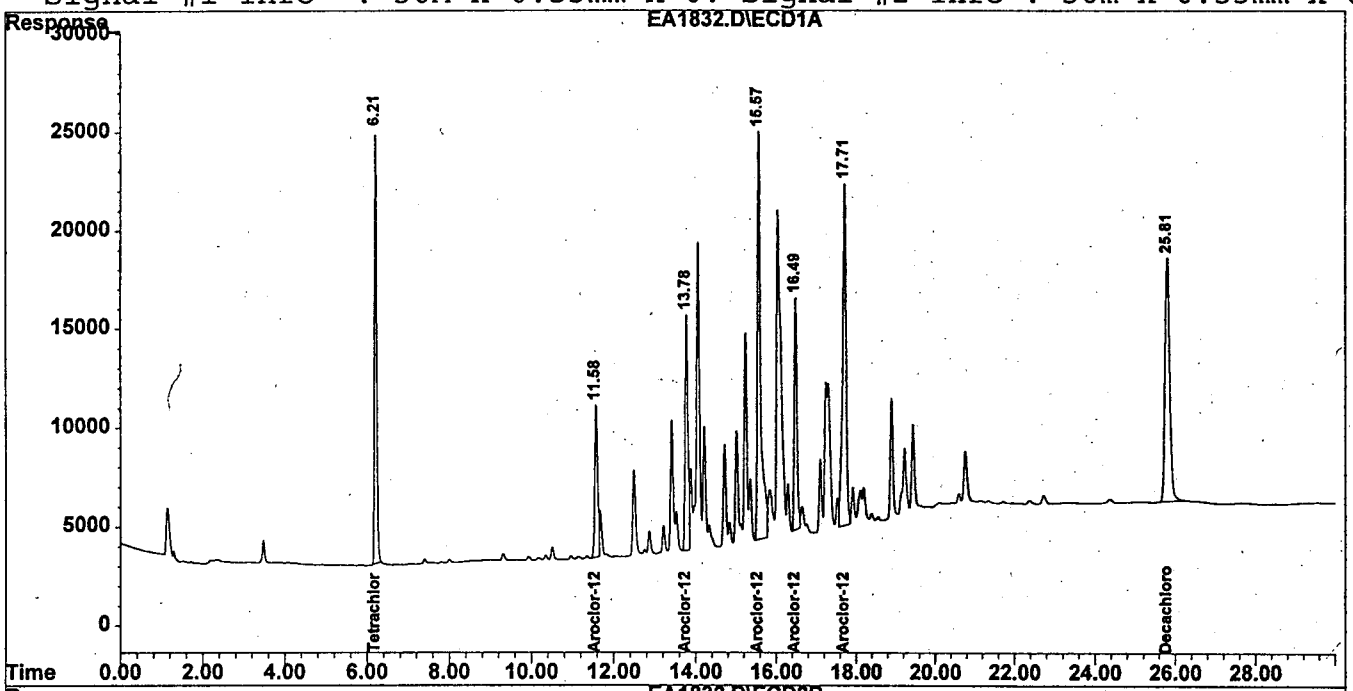
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

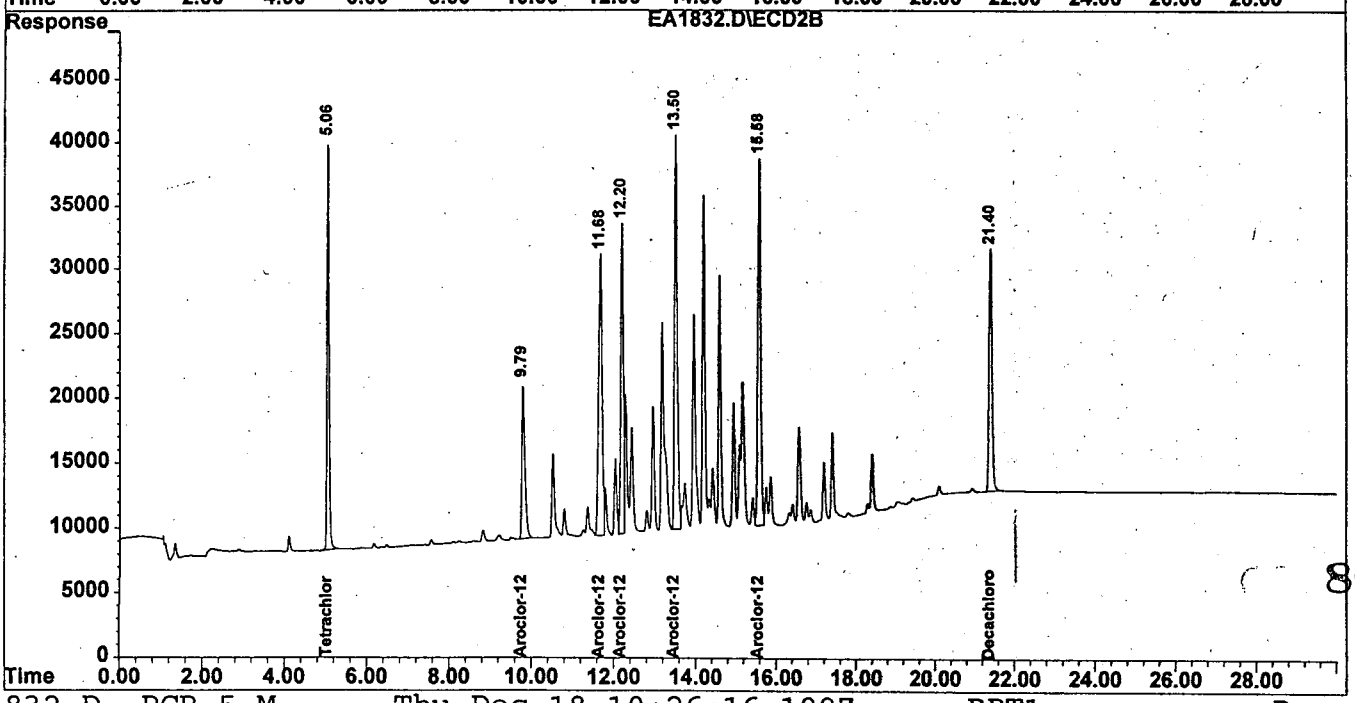
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1832.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_E\EA1832.D\ECD2B.CH
Acq On : 18 Dec 97 3:11 Operator:
Sample : AR1254 #3 Inst : GC_5890_5
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 10:17 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

CCV #2

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	8967.8	1.0	7.14 - 7.24	12/8/97	12:48
Decachlorobiphenyl	50	15048.8	13390.4	11.0	29.14 - 29.34	12/8/97	12:48
Aroclor-1016-1	1000	212.9	237.5	11.6	9.12 - 9.26	12/8/97	12:48
Aroclor-1016-2	1000	471.5	460.3	2.4	10.57 - 10.71	12/8/97	12:48
Aroclor-1016-3	1000	822.5	804.2	2.2	11.88 - 12.02	12/8/97	12:48
Aroclor-1016-4	1000	280.0	277.9	0.8	12.38 - 12.52	12/8/97	12:48
Aroclor-1016-5	1000	326.5	338.1	3.6	13.18 - 13.32	12/8/97	12:48
Aroclor-1260-1	1000	520.4	547.0	5.1	17.98 - 18.12	12/8/97	12:48
Aroclor-1260-2	1000	615.5	626.5	1.8	18.39 - 18.53	12/8/97	12:48
Aroclor-1260-3	1000	456.3	442.0	3.1	19.94 - 20.08	12/8/97	12:48
Aroclor-1260-4	1000	465.9	451.5	3.1	21.01 - 21.15	12/8/97	12:48
Aroclor-1260-5	1000	1289.1	1148.8	10.9	21.60 - 21.74	12/8/97	12:48

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QPC7392.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	9302.7	8946.8	3.8	7.14 - 7.24	12/8/97	12:48
DCB for AR1660 #3	50	15102.0	13621.2	9.8	29.14 - 29.34	12/8/97	12:48

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	6200.2	4.3	5.92 - 6.02	12/8/97	12:48
Decachlorobiphenyl	50	8917.9	8340.3	6.5	24.42 - 24.62	12/8/97	12:48
Aroclor-1016-1	1000	291.0	312.3	7.3	8.81 - 8.95	12/8/97	12:48
Aroclor-1016-2	1000	566.1	593.9	4.9	10.21 - 10.35	12/8/97	12:48
Aroclor-1016-3	1000	267.9	275.4	2.8	10.65 - 10.79	12/8/97	12:48
Aroclor-1016-4	1000	256.5	279.9	9.1	12.14 - 12.28	12/8/97	12:48
Aroclor-1016-5	1000	147.5	166.5	12.9	13.99 - 14.13	12/8/97	12:48
Aroclor-1260-1	1000	340.8	388.3	13.9	15.93 - 16.07	12/8/97	12:48
Aroclor-1260-2	1000	406.5	478.5	17.7	16.63 - 16.77	12/8/97	12:48
Aroclor-1260-3	1000	515.7	547.5	6.2	17.72 - 17.86	12/8/97	12:48
Aroclor-1260-4	1000	626.1	617.1	1.4	19.73 - 19.87	12/8/97	12:48
Aroclor-1260-5	1000	472.3	535.7	13.4	20.85 - 20.99	12/8/97	12:48

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	6042.7	6133.6	1.5	5.92 - 6.02	12/8/97	12:48
DCB for AR1660 #3	50	~~15102.0~~ 83075	~~13621.2~~ 8172.8	1.6	24.42 - 24.62	12/8/97	12:48

QPC7390B.XLS

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AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0766.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_B\BA0766.D\ECD2B.CH
Acq On : 8 Dec 97 12:48 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 12:41 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.19	5.97	448389	310010	49.496	47.863
Spiked Amount 40.000 Range 43 - 150 Recovery =					123.74%	119.66%
2) SA Decachlorobiphen	29.24f	24.52	669519	417017	44.490m	46.762m
Spiked Amount 40.000 Range 24 - 154 Recovery =					111.23%	116.91%
Target Compounds						
3) L1 Aroclor-1016{1}	9.19f	8.88f	237538	312264	1115.924m	1073.007m
4) L1 Aroclor-1016{2}	10.64f	10.28f	460322	593900	976.332m	1049.133m
5) L1 Aroclor-1016{3}	11.95f	10.72f	804166	275392	977.668m	1027.807m
6) L1 Aroclor-1016{4}	12.45f	12.21f	277868	279850	992.490m	1090.866m
7) L1 Aroclor-1016{5}	13.25f	14.06f	338146	166458	1035.574m	1128.683m
Sum Aroclor-1016			2118040	1627864	5097.987	5369.496
Average Aroclor-1016					1019.597	1073.899
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260{1}	18.05f	16.00f	546988	388310	1051.007m	1139.320m
31) L7 Aroclor-1260{2}	18.46f	16.70f	626496	478474	1017.787m	1176.926m
32) L7 Aroclor-1260{3}	20.01f	17.79f	442002	547526	968.693m	1061.629m
33) L7 Aroclor-1260{4}	21.08f	19.80f	451518	617144	969.043m	985.617m
34) L7 Aroclor-1260{5}	21.67f	20.92f	1148788	535746	891.139m	1134.233m#
Sum Aroclor-1260			3215792	2567200	4897.669	5497.725
Average Aroclor-1260					979.534	1099.545

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0766A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0766A.D\ECD2B.CH
Acq On : 8 Dec 97 12:48
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:47 1998 Quant Results File: SURRB.RES

Vial: 1
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.19	5.97	447342	306680	48.087	50.752
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.22%	126.88%
2) SA Decachlorobiphen	29.24	24.52	681060	408640	45.097m	49.189
Spiked Amount 40.000 Range 24 - 154 Recovery =					112.74%	122.97%
Target Compounds						

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

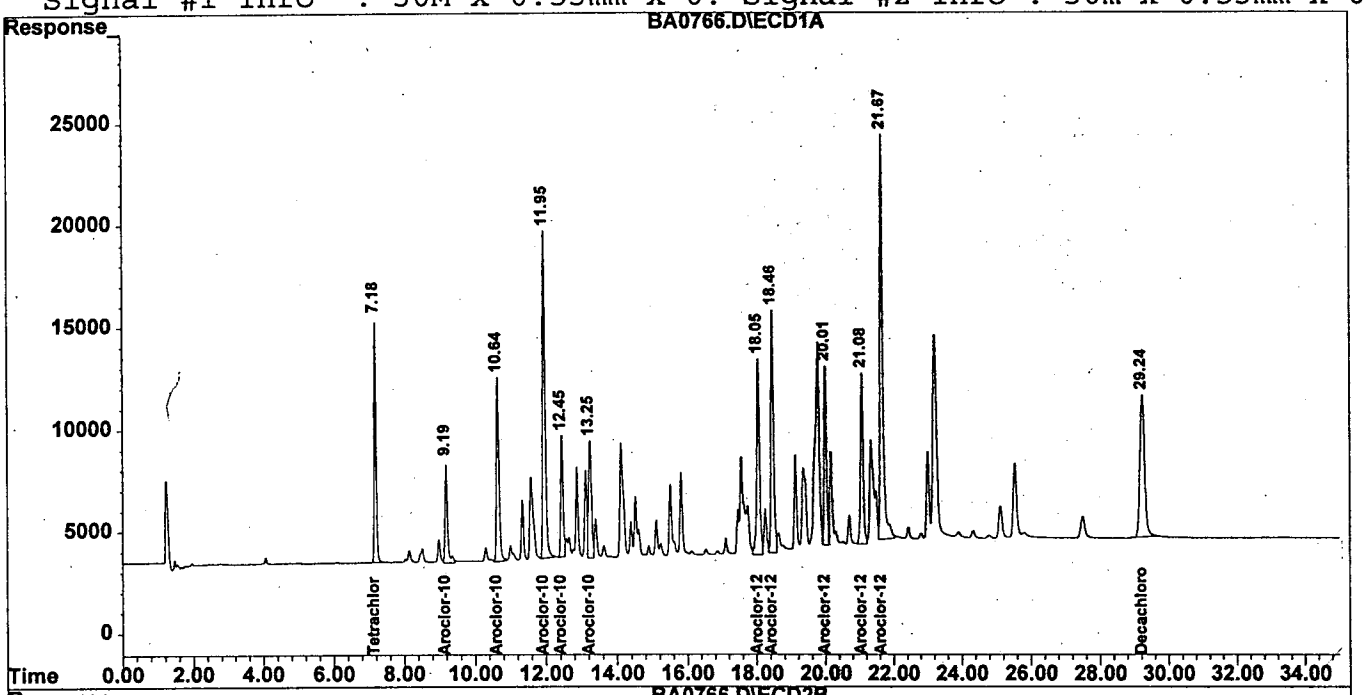
Quantitation Report

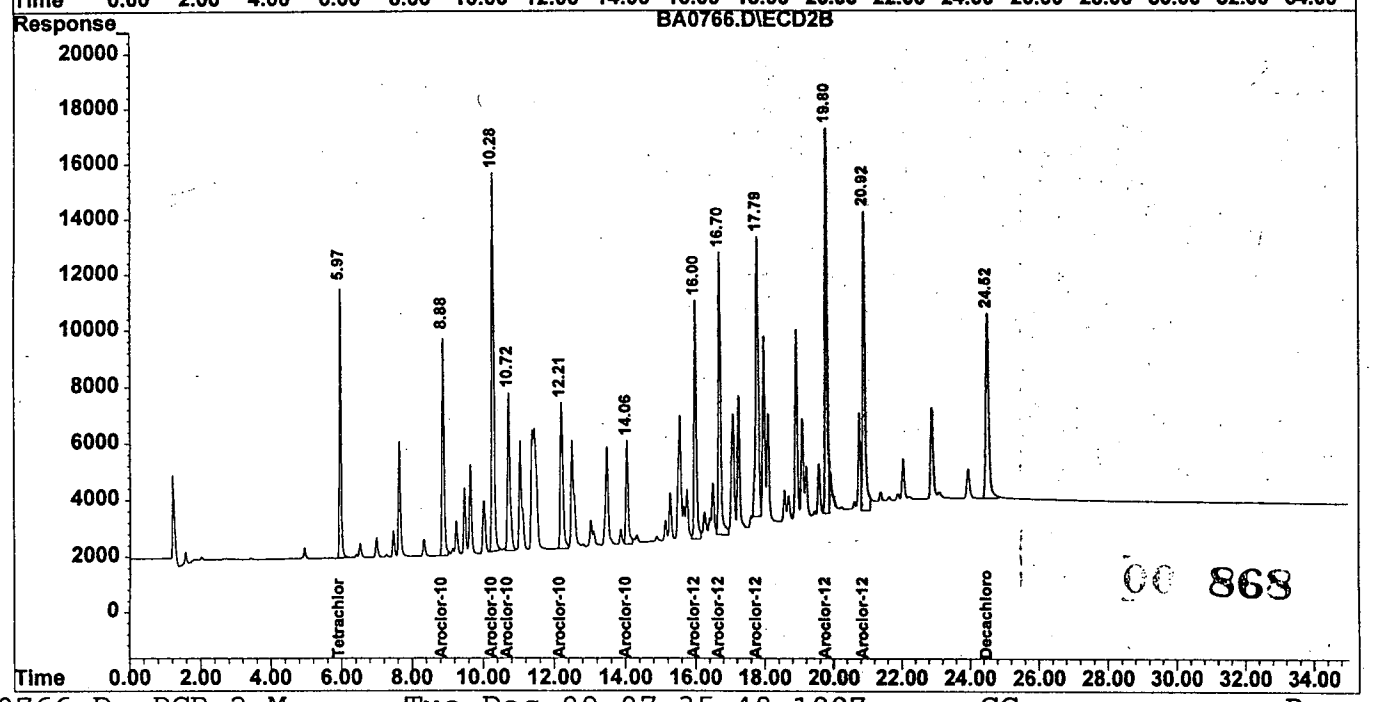
Signal #1 : C:\HPCHEM\1\DATA_B\BA0766.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0766.D\ECD2B.CH
Acq On : 8 Dec 97 12:48
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 12:41 1997 Quant Results File: PCB_2.RES

Vial: 1
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

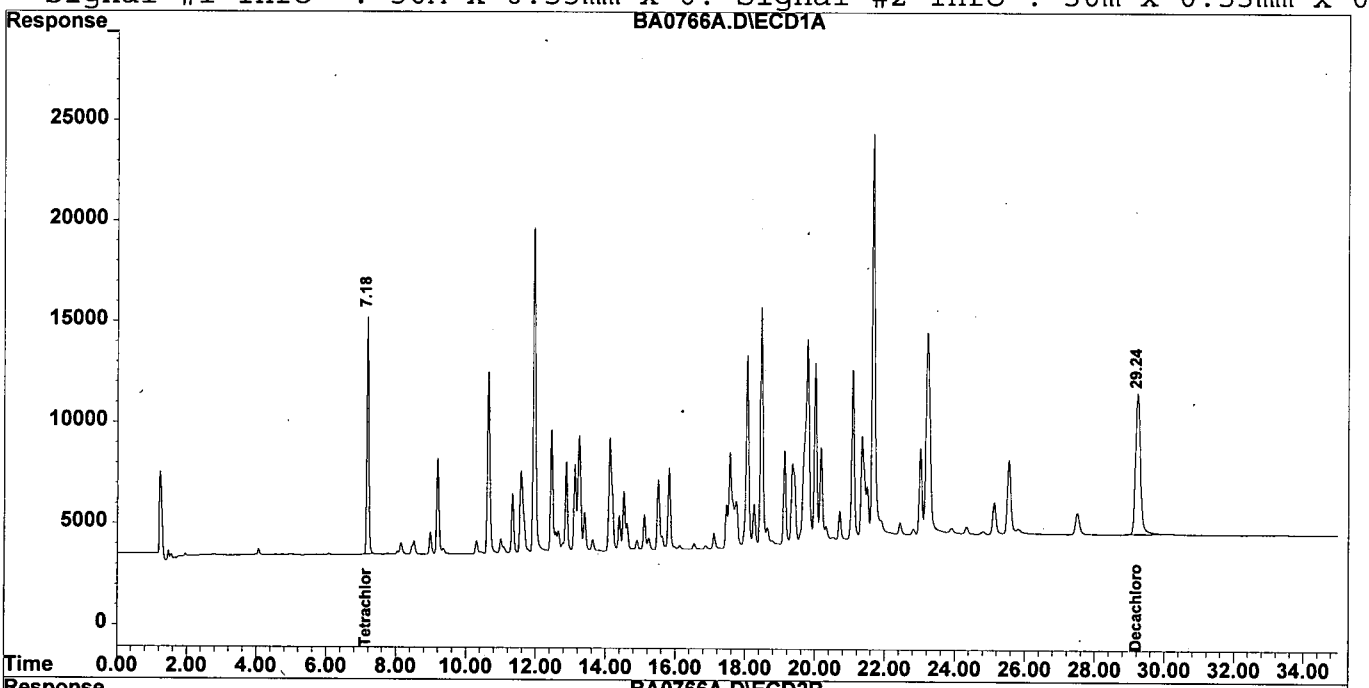
AMENDED REPORT JUN 0 2 1998

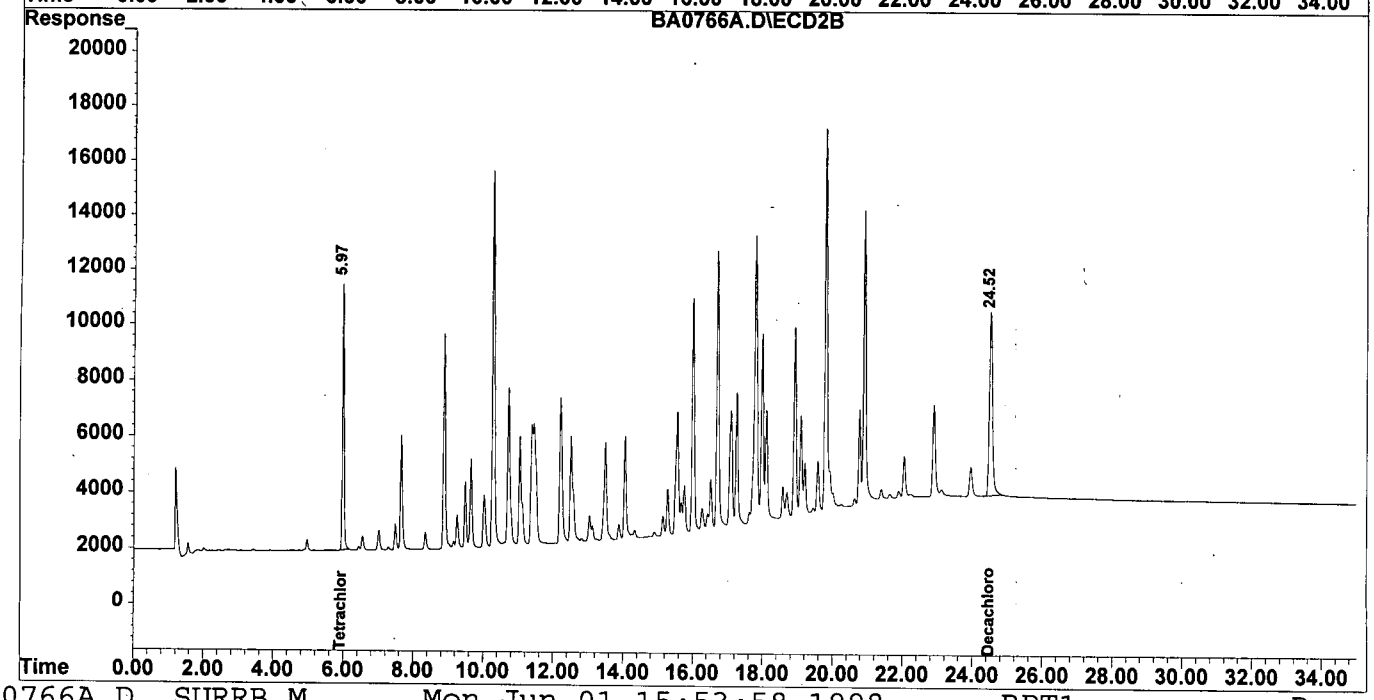
Signal #1 : E:\WESTDA~1\BA0766A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0766A.D\ECD2B.CH
Acq On : 8 Dec 97 12:48
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:47 1998 Quant Results File: SURRB.RES

Vial: 1
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	9308.2	2.7	7.10 - 7.20	12/8/97	15:23
Decachlorobiphenyl	50	15048.8	14214.8	5.5	29.19 - 29.39	12/8/97	15:23
Aroclor-1248-1	1000	194.0	186.9	3.7	10.54 - 10.68	12/8/97	15:23
Aroclor-1248-2	1000	559.5	518.9	7.2	11.85 - 11.99	12/8/97	15:23
Aroclor-1248-3	1000	413.3	386.0	6.6	13.15 - 13.29	12/8/97	15:23
Aroclor-1248-4	1000	496.3	449.4	9.5	14.03 - 14.17	12/8/97	15:23
Aroclor-1248-5	1000	377.0	329.3	12.7	16.04 - 16.18	12/8/97	15:23

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	9177.2	1.3	7.10 - 7.20	12/8/97	15:23
DCB for AR1248 #3	50	15102.0	14190.8	6.0	29.19 - 29.39	12/8/97	15:23

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	~~6167.6~~	~~4.8~~	5.91 - 6.01	12/8/97	15:23
Decachlorobiphenyl	50	8917.9	~~8683.0~~	2.6	24.47 - 24.67	12/8/97	15:23
Aroclor-1248-1	1000	416.5	386.0	7.3	10.20 - 10.34	12/8/97	15:23
Aroclor-1248-2	1000	338.9	306.8	9.5	12.12 - 12.26	12/8/97	15:23
Aroclor-1248-3	1000	316.5	287.8	9.1	12.43 - 12.57	12/8/97	15:23
Aroclor-1248-4	1000	269.1	297.9	10.7	13.42 - 13.56	12/8/97	15:23
Aroclor-1248-5	1000	126.0	113.7	9.8	15.43 - 15.57	12/8/97	15:23

QPC7392.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	6100.7	1.0	5.91 - 6.01	12/8/97	15:23
DCB for AR1248 #3	50	8307.5	8734.7	5.1	24.46 - 24.66	12/8/97	15:23

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0770.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_B\BA0770.D\ECD2B.CH
Acq On : 8 Dec 97 15:23 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 14:22 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.15	5.96	465409	308382	51.375	47.612
Spiked Amount 40.000 Range 43 - 150 Recovery =					128.44%	119.03%
2) SA Decachlorobiphen	29.29	24.57	710740	434151	47.229	48.683
Spiked Amount 40.000 Range 24 - 154 Recovery =					118.07%	121.71%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.61f	10.27f	186882	385982	963.330m	926.707m
21) L5 Aroclor-1248{2}	11.92f	12.19f	518940	306814	927.552m	905.375m
22) L5 Aroclor-1248{3}	13.22f	12.50f	386022	287818	933.958m	909.262m
23) L5 Aroclor-1248{4}	14.10f	13.49f	449376	297888	905.386m	1107.065m
24) L5 Aroclor-1248{5}	16.11f	15.50f	329268	113670	873.359m	902.485m
Sum Aroclor-1248			1870488	1392172	4603.585	4750.894
Average Aroclor-1248					920.717	950.179
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

871

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0770A.D\ECD1A.CH Vial: 5
Signal #2 : E:\WESTDA~1\BA0770A.D\ECD2B.CH
Acq On : 8 Dec 97 15:23 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:47 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.15	5.96	458858	305034	49.325m	50.479
Spiked Amount 40.000 Range 43 - 150 Recovery =					123.31%	126.20%
2) SA Decachlorobiphen	29.29f	24.56	709540	436737	46.983m	52.571m
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.46%	131.43%
Target Compounds						

7/30/98

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

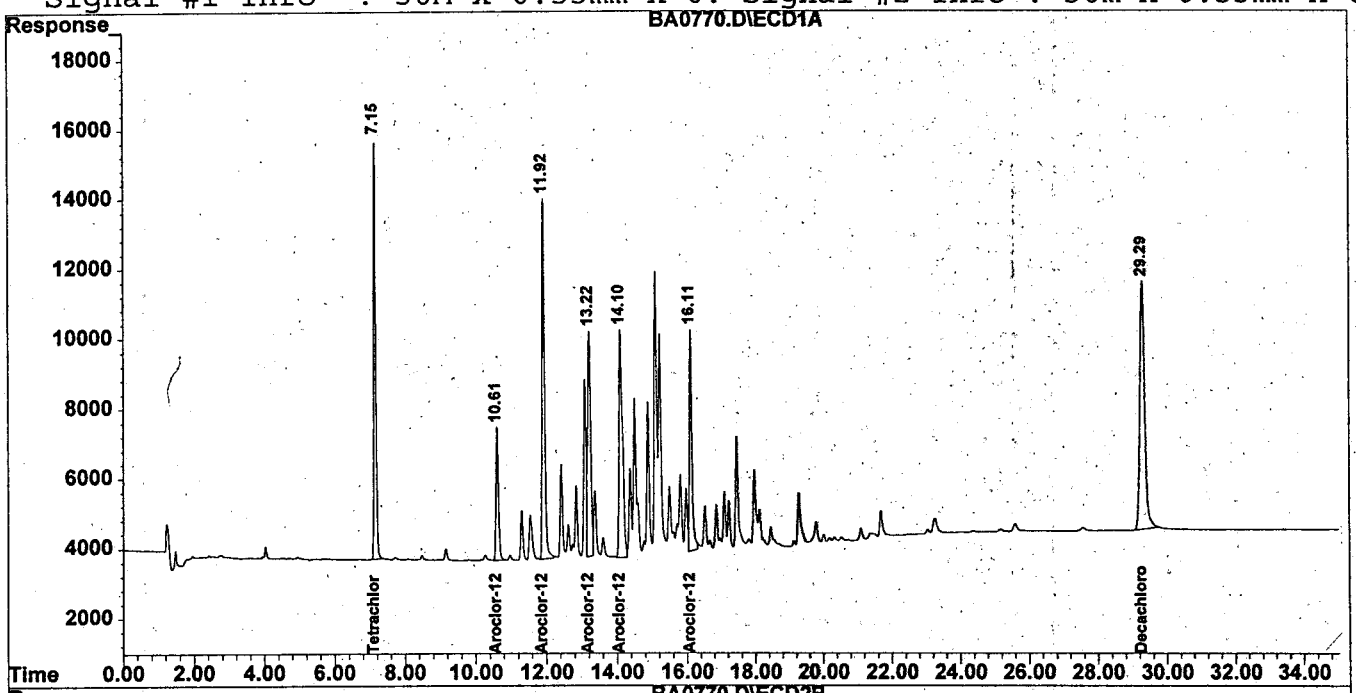
871A

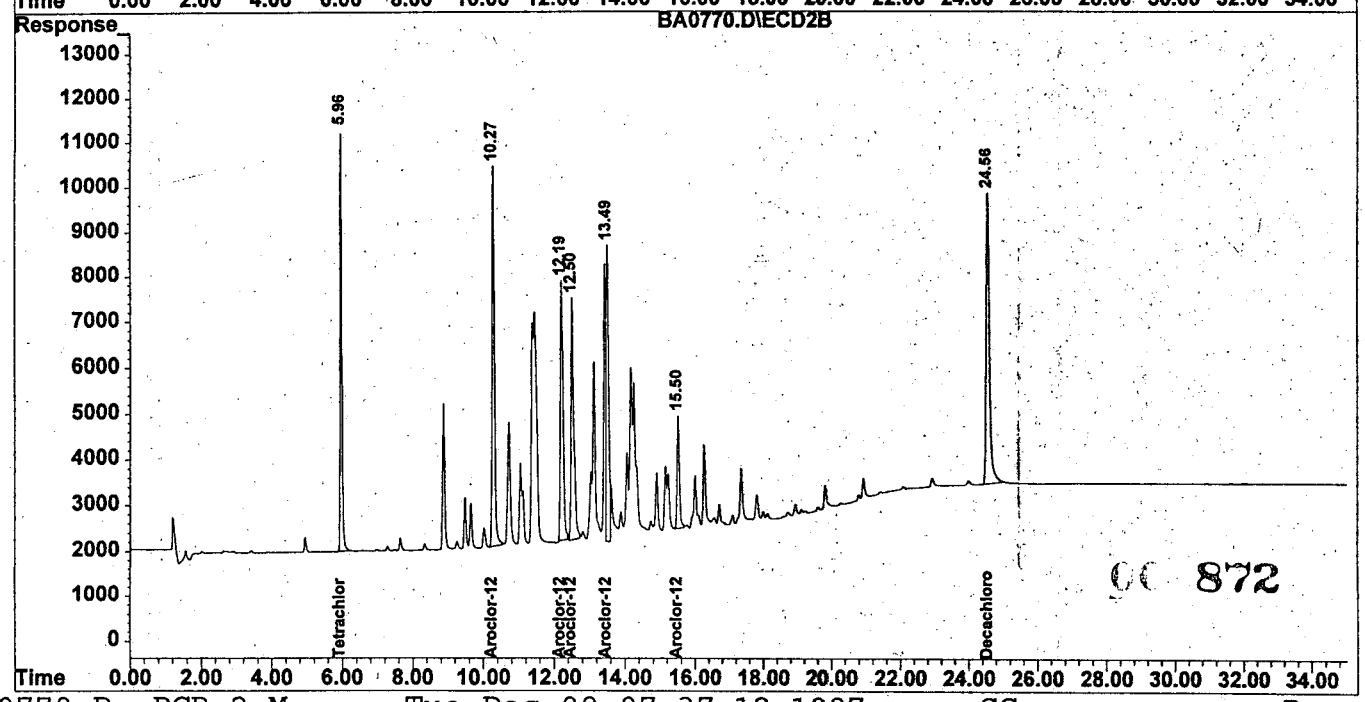
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0770.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_B\BA0770.D\ECD2B.CH
Acq On : 8 Dec 97 15:23 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 14:22 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





CC 872

Quantitation Report

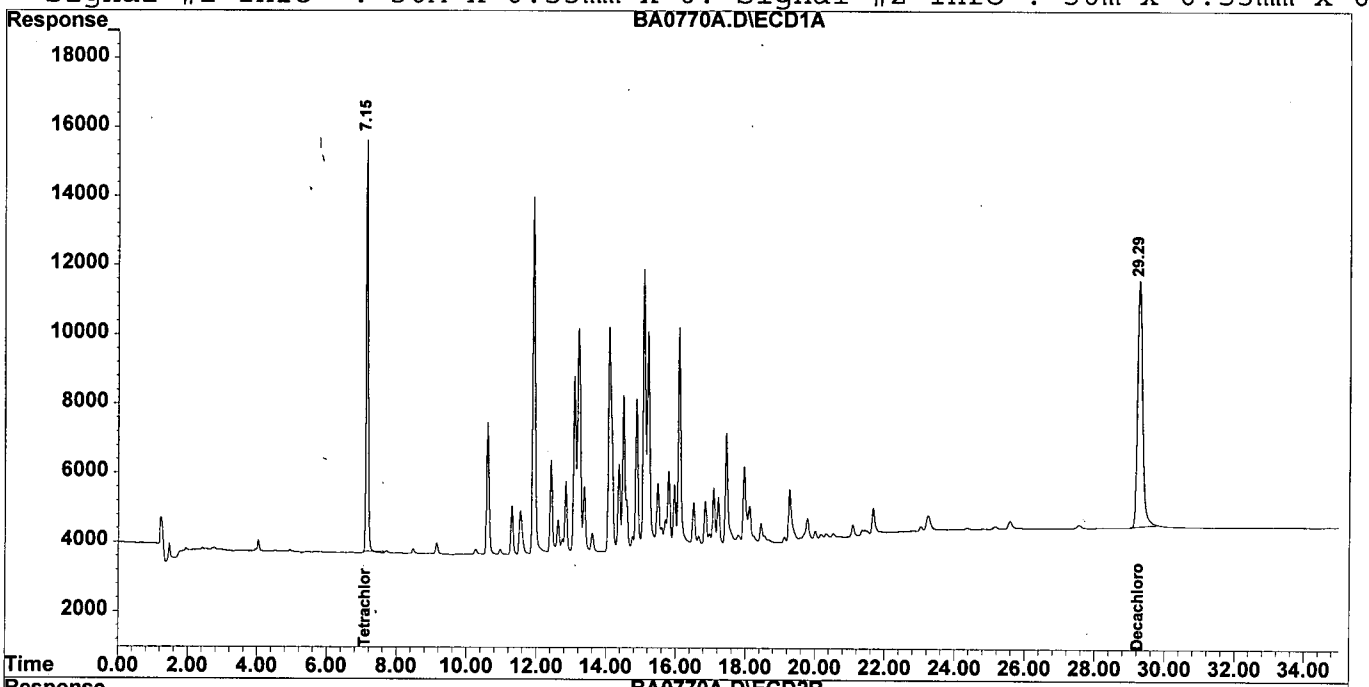
AMENDED REPORT JUN 0 2 1998

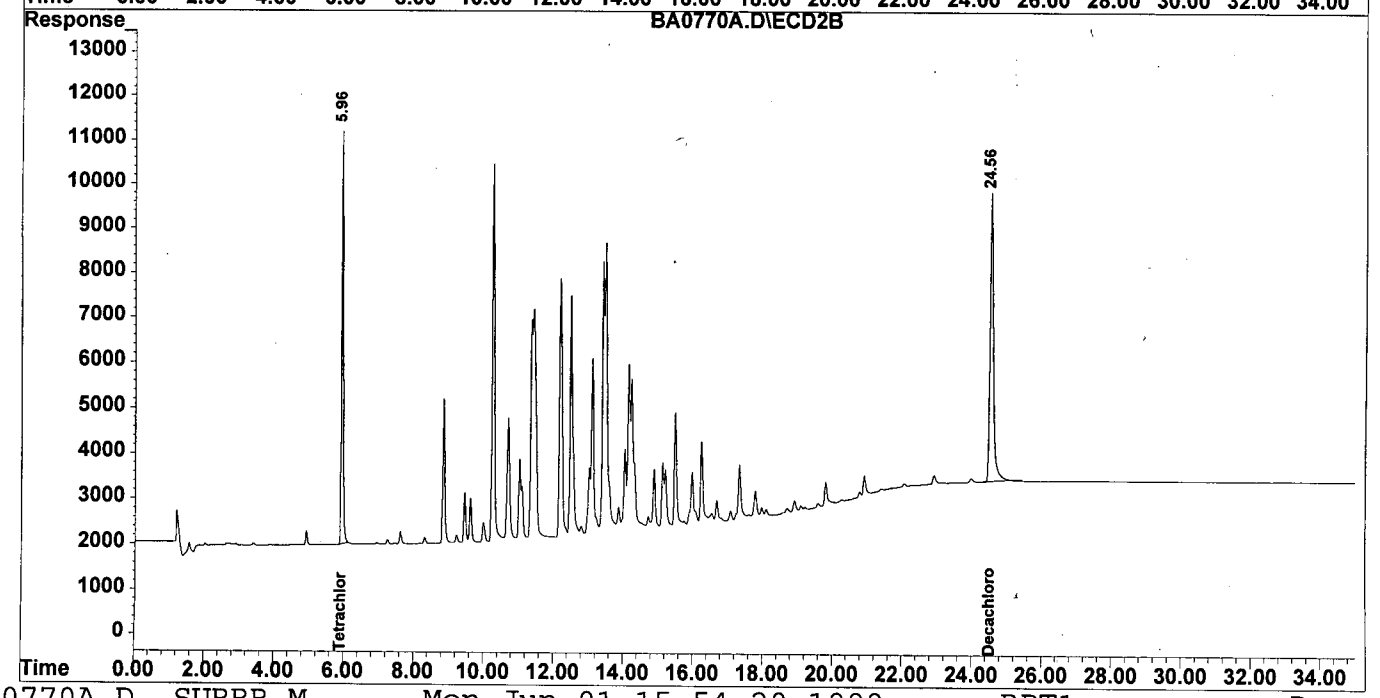
Signal #1 : E:\WESTDA~1\BA0770A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0770A.D\ECD2B.CH
Acq On : 8 Dec 97 15:23
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:47 1998 Quant Results File: SURRB.RES

Vial: 5
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





872A

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	9531.0	2.5	7.09 - 7.19	12/8/97	16:02
Decachlorobiphenyl	50	15102.0	15413.8	2.1	29.20 - 29.40	12/8/97	16:02
Aroclor-1254-1	1000	135.7	128.4	5.4	41.03 - 41.17	12/8/97	16:02
Aroclor-1254-2	1000	383.6	354.0	7.7	15.42 - 15.56	12/8/97	16:02
Aroclor-1254-3	1000	526.4	455.0	13.6	15.73 - 15.87	12/8/97	16:02
Aroclor-1254-4	1000	428.8	367.5	14.3	18.39 - 18.53	12/8/97	16:02
Aroclor-1254-5	1000	868.4	739.1	14.9	19.72 - 19.86	12/8/97	16:02

QPC7392B.XLS

MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042. 7	6606.8	9.3	5.90 - 6.00	12/8/97	16:02
Decachlorobiphenyl	50	8307.5	9066.5	9.1	24.47 - 24.67	12/8/97	16:02
Aroclor-1254-1	1000	222.2	218.1	1.8	11.30 - 11.44	12/8/97	16:02
Aroclor-1254-2	1000	419.1	403.3	3.8	13.41 - 13.55	12/8/97	16:02
Aroclor-1254-3	1000	149.9	147.8	1.4	14.82 - 14.96	12/8/97	16:02
Aroclor-1254-4	1000	497.3	470.7	5.3	15.43 - 15.57	12/8/97	16:02
Aroclor-1254-5	1000	479.2	431.6	9.9	17.74 - 17.88	12/8/97	16:02

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0771.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDA~1\BA0771.D\ECD2B.CH
Acq On : 8 Dec 97 16:02 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 14:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.15	5.95f	474135	323873	25.302	25.319m
Spiked Amount 40.000 Range 43 - 150 Recovery =					63.26%	63.30%
2) SA Decachlorobiphen	29.30f	24.57f	768588	465202	34.852m	50.081m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					87.13%	125.20%
Target Compounds						
3) L6 Aroclor-1254{1}	14.10	11.37f	128408	218126	946.345m	981.737m
4) L6 Aroclor-1254{2}	15.49	13.48f	353968	403276	922.797m	962.224m
5) L6 Aroclor-1254{3}	15.80	14.89f	454960	147834	864.346m	986.015m
6) L6 Aroclor-1254{4}	18.46f	15.50f	367492	470744	857.064m	946.524m
7) L6 Aroclor-1254{5}	19.79f	17.81f	739108	431630	851.081m	900.788m
Sum Aroclor-1254			2043936	1671610	4441.633	4777.288
Average Aroclor-1254					888.327	955.458

875

7P75/25/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Vial: 6 MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0771A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0771A.D\ECD2B.CH
Acq On : 8 Dec 97 16:02 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:02 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95f	476551	330340	51.227m	54.667m
Spiked Amount 40.000 Range 43 - 150 Recovery =					128.07%	136.67%
2) SA Decachlorobiphen	29.30f	24.57f	770688	453323	51.032m	54.568m
Spiked Amount 40.000 Range 24 - 154 Recovery =					127.58%	136.42%

Target Compounds

00087SA

7/3 5/30/98

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

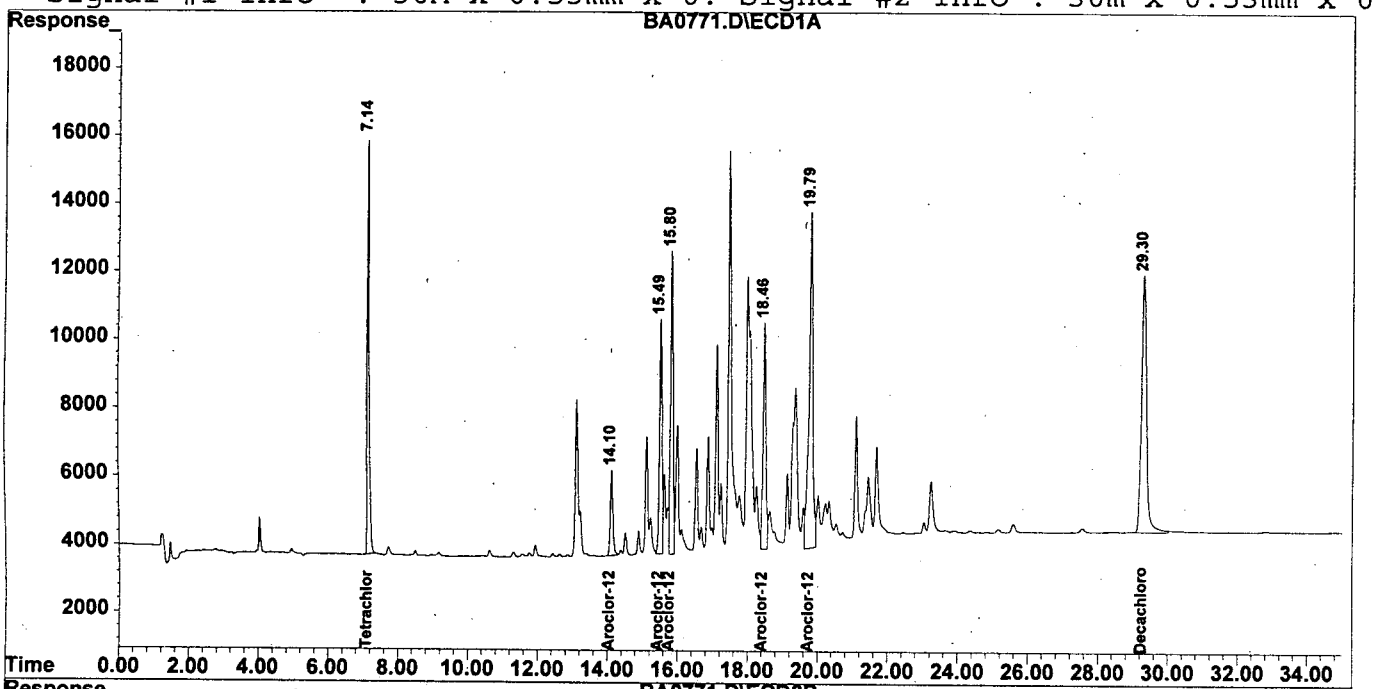
Quantitation Report

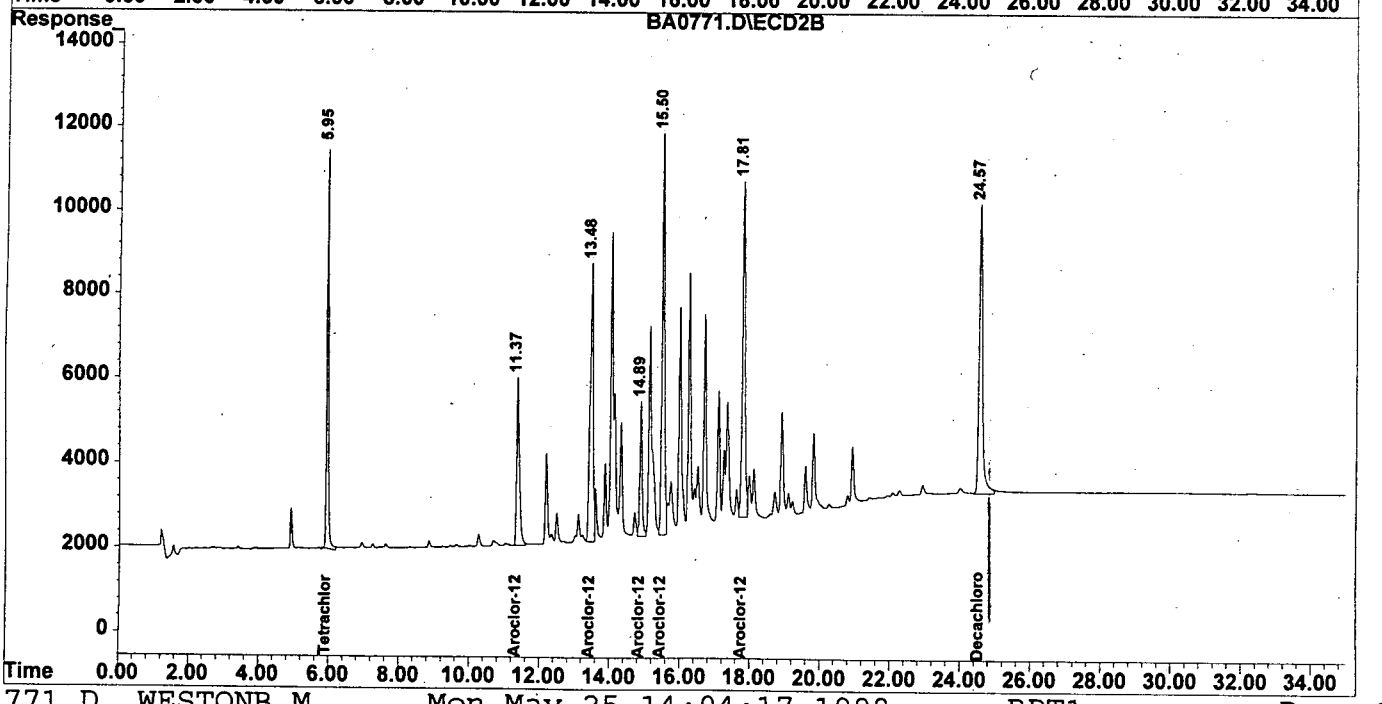
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0771.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDA~1\BA0771.D\ECD2B.CH
Acq On : 8 Dec 97 16:02 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 14:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



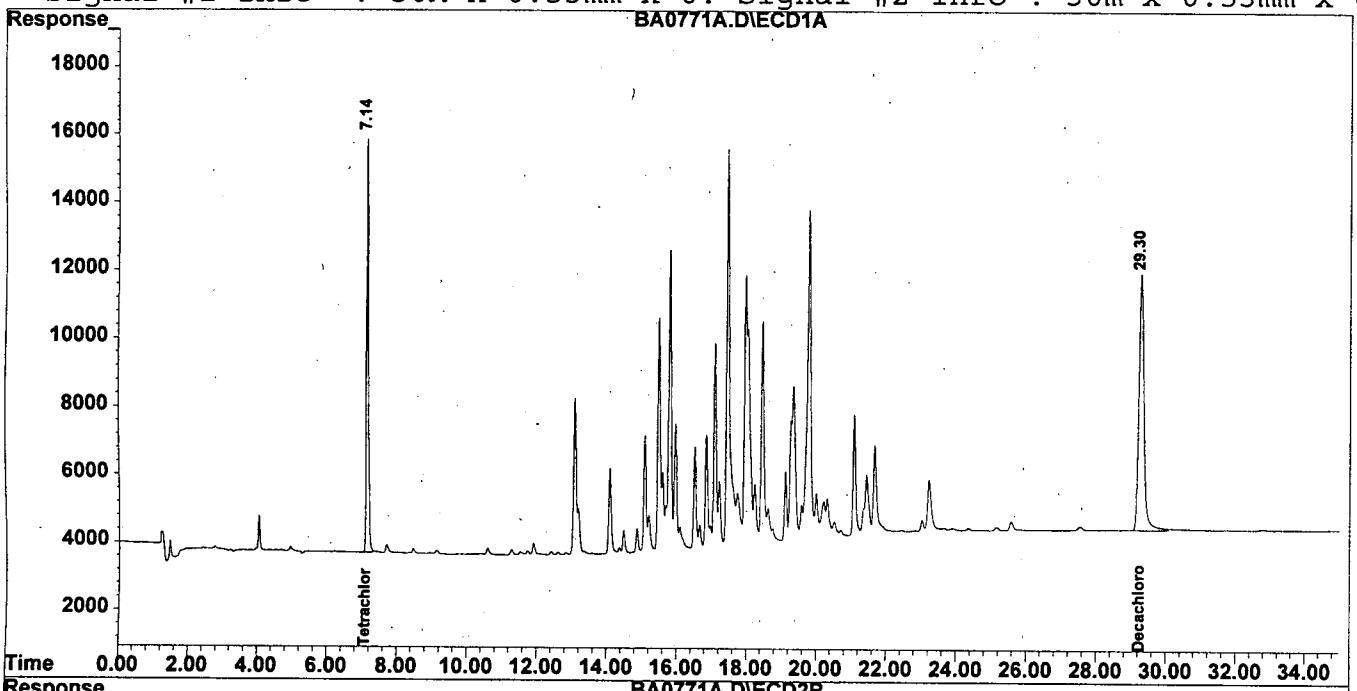


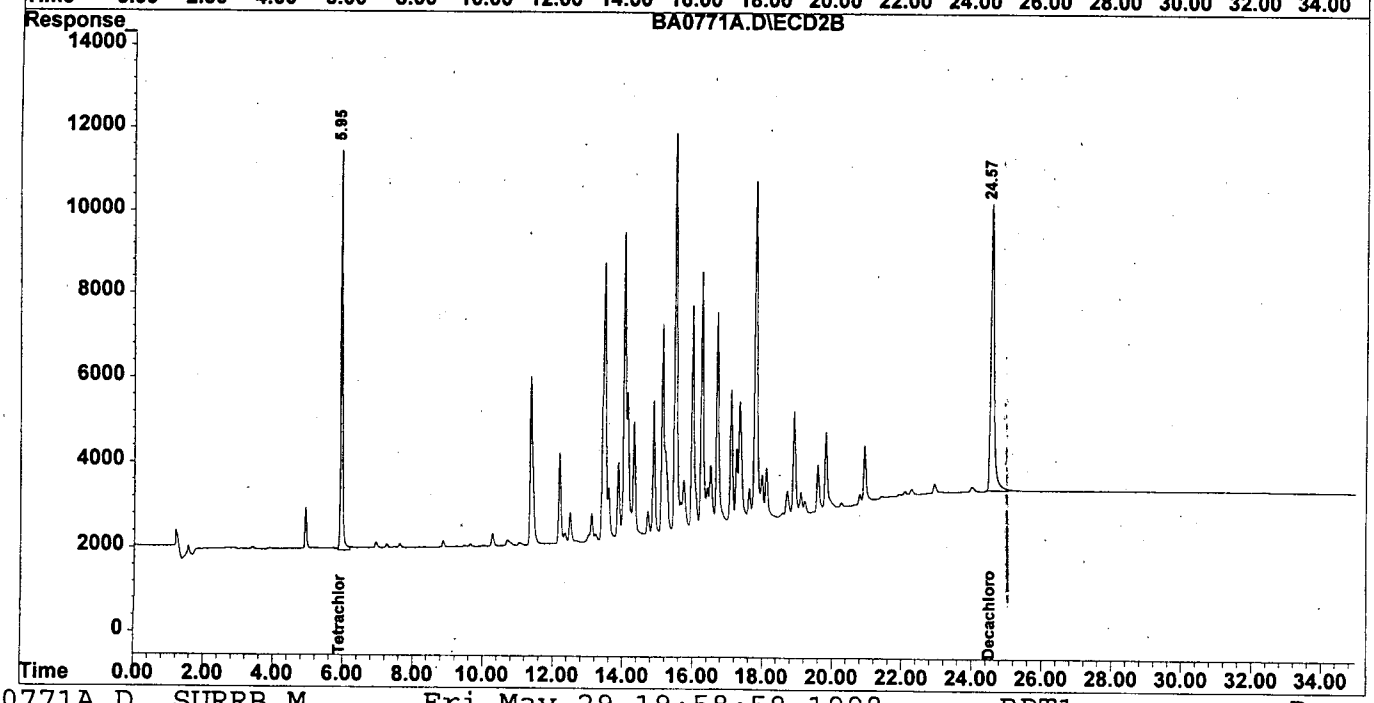
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0771A.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDA~1\BA0771A.D\ECD2B.CH
Acq On : 8 Dec 97 16:02 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:02 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





876A

AMENDED REPORT MAY 3 0 1

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	9738.8	4.7	7.08 - 7.18	12/8/97	23:55
Decachlorobiphenyl	50	15102.0	15201.7	0.7	29.20 - 29.40	12/8/97	23:55
Aroclor-1254-1	1000	135.7	126.2	7.0	41.03 - 41.17	12/8/97	23:55
Aroclor-1254-2	1000	383.6	337.0	12.1	15.42 - 15.56	12/8/97	23:55
Aroclor-1254-3	1000	526.4	479.8	8.8	15.73 - 15.87	12/8/97	23:55
Aroclor-1254-4	1000	428.8	334.7	21.9	18.39 - 18.53	12/8/97	23:55
Aroclor-1254-5	1000	868.4	713.6	17.8	19.72 - 19.86	12/8/97	23:55

QPC7392B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6244.1	3.3	5.90 - 6.00	12/8/97	23:55
Decachlorobiphenyl	50	8307.5	8663.1	4.3	24.46 - 24.66	12/8/97	23:55
Aroclor-1254-1	1000	222.2	212.8	4.2	11.29 - 11.43	12/8/97	23:55
Aroclor-1254-2	1000	419.1	391.1	6.7	13.40 - 13.54	12/8/97	23:55
Aroclor-1254-3	1000	149.9	138.2	7.8	14.81 - 14.95	12/8/97	23:55
Aroclor-1254-4	1000	497.3	462.5	7.0	15.43 - 15.57	12/8/97	23:55
Aroclor-1254-5	1000	479.2	426.4	11.0	17.73 - 17.87	12/8/97	23:55

QPC7392B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0782.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0782.D\ECD2B.CH
Acq On : 8 Dec 97 23:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:05 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	486939	312203	25.985	24.407
Spiked Amount 40.000 Range 43 - 150 Recovery =					64.96%	61.02%
2) SA Decachlorobiphen	29.28	24.56	760087	433157	34.467	46.631 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.17%	116.58%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.36	126228	212767	930.279m	957.618
4) L6 Aroclor-1254{2}	15.48	13.47	337025	391054	878.627	933.062
5) L6 Aroclor-1254{3}	15.80	14.88	479804	138212	911.545	921.841
6) L6 Aroclor-1254{4}	18.45	15.50	334749	462462	780.701	929.870
7) L6 Aroclor-1254{5}	19.78	17.80	713599	426413	821.708	889.900
Sum Aroclor-1254			1991405	1630908	4322.858	4632.292
Average Aroclor-1254					864.572	926.458

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0782A.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0782A.D\ECD2B.CH
Acq On : 8 Dec 97 23:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	486939	312203	52.344	51.666
Spiked Amount 40.000 Range 43 - 150 Recovery =					130.86%	129.17%
2) SA Decachlorobiphen	29.28	24.56	760087	433157	50.330	52.140
Spiked Amount 40.000 Range 24 - 154 Recovery =					125.83%	130.35%

Target Compounds

8 7 0 A

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

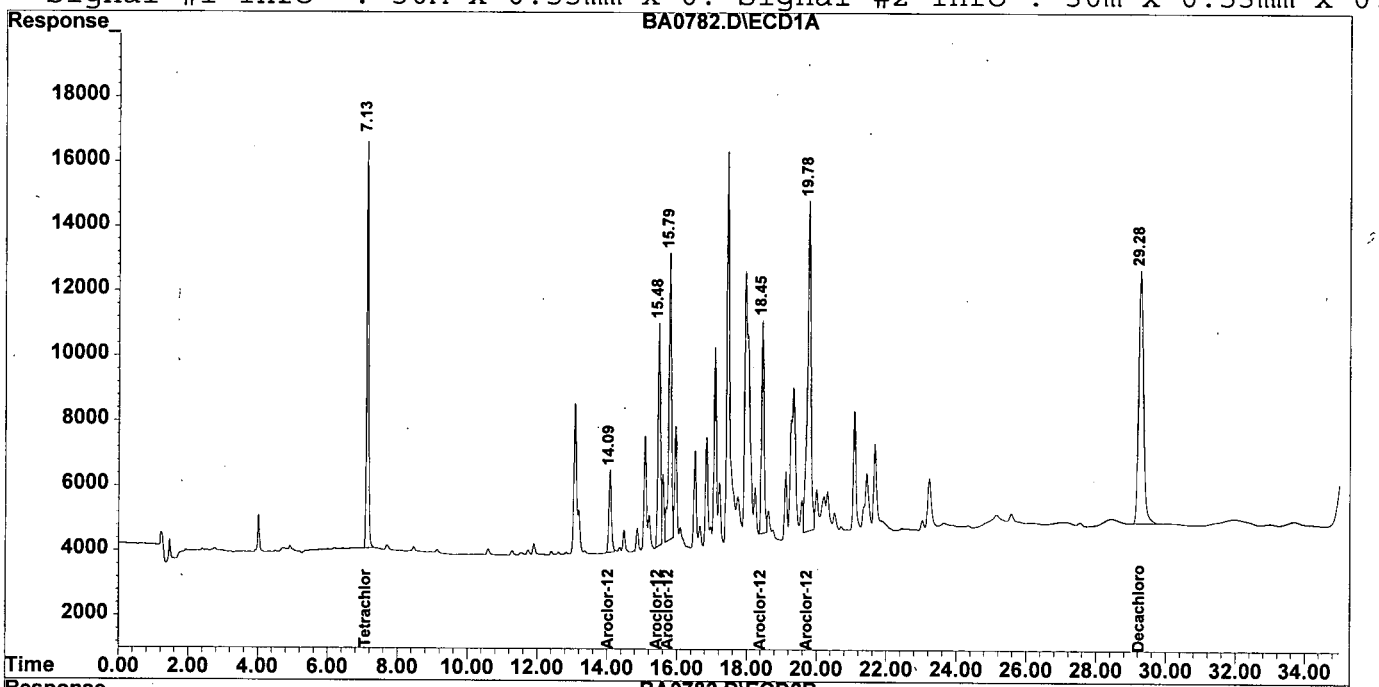
Quantitation Report

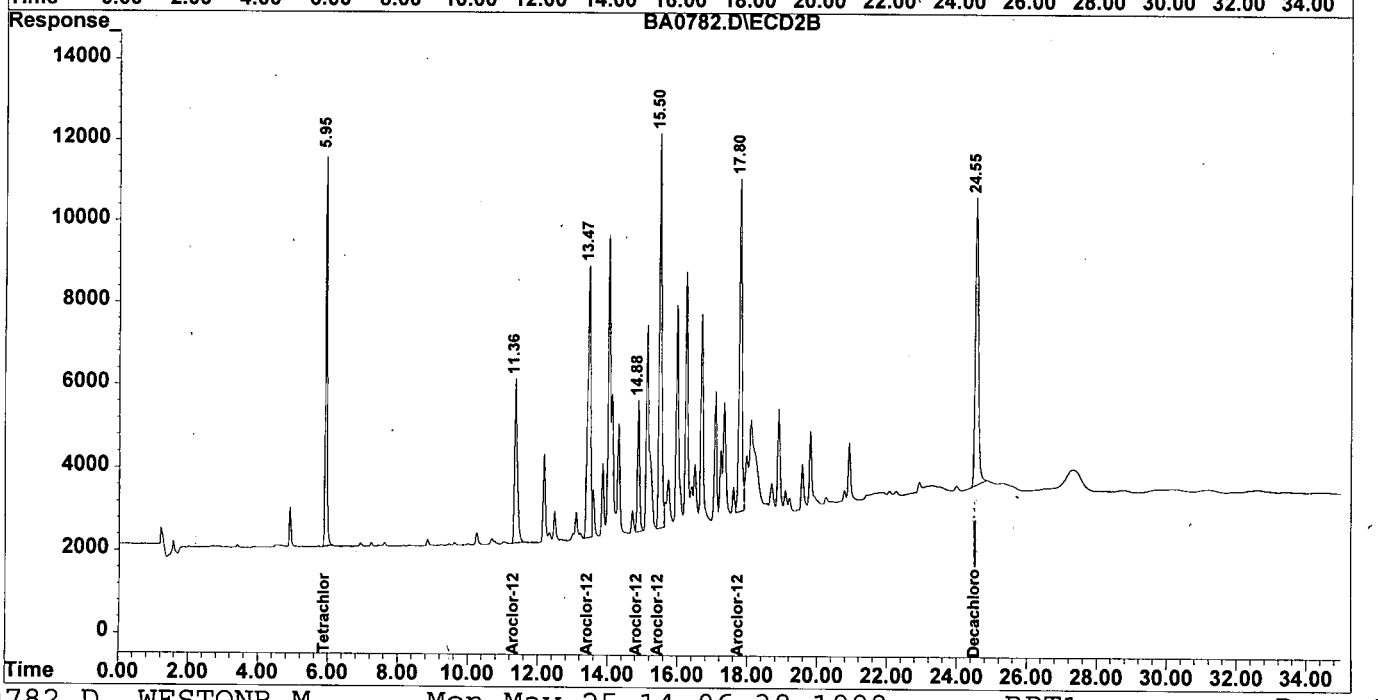
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0782.D\ECD1A.CH Vial: 17
Signal #2 : E:\WESTDA~1\BA0782.D\ECD2B.CH
Acq On : 8 Dec 97 23:55 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:05 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





Quantitation Report

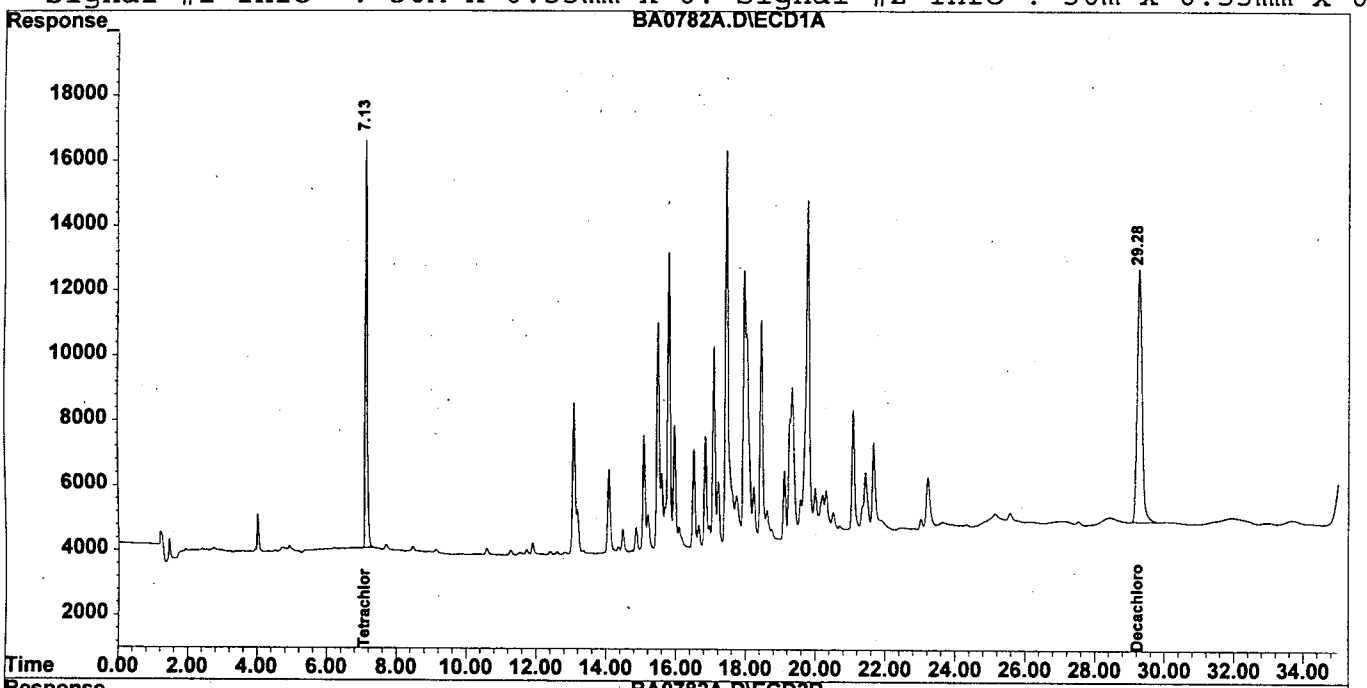
AMENDED REPORT MAY 3 0 1998

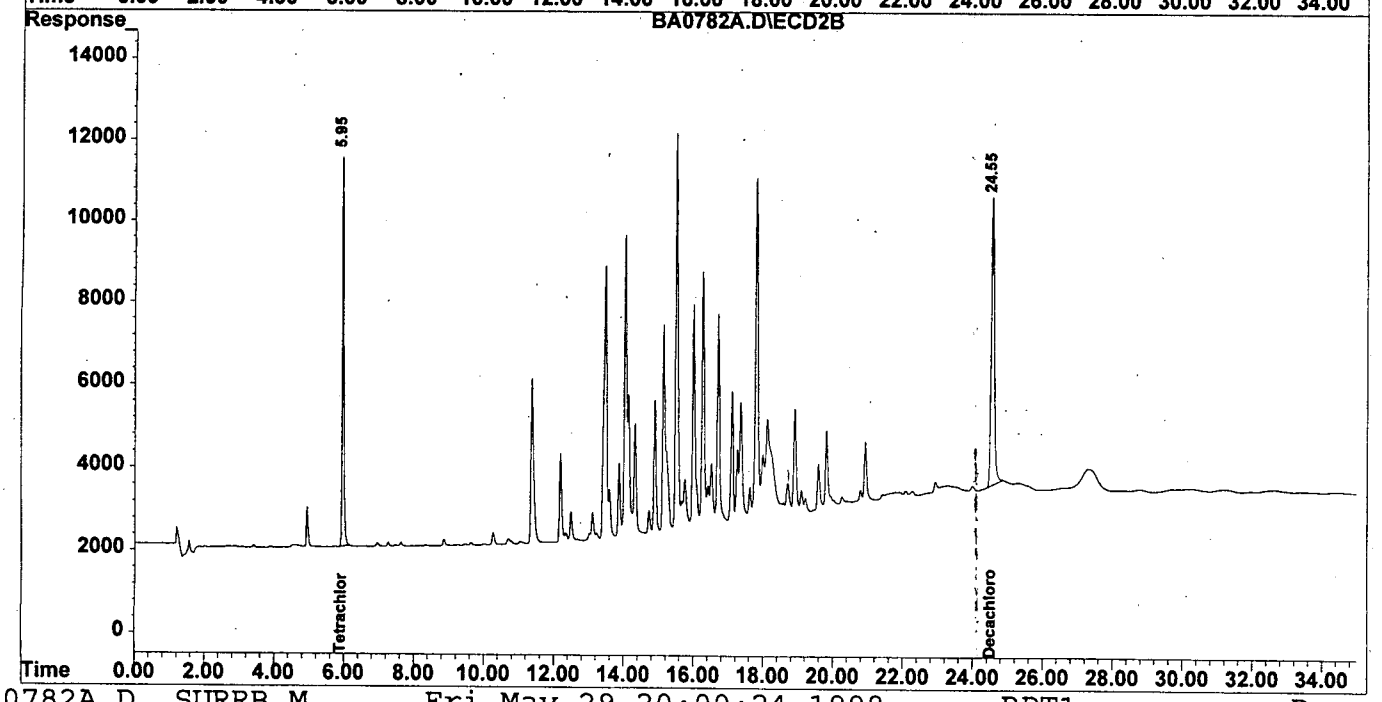
Signal #1 : E:\WESTDA~1\BA0782A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0782A.D\ECD2B.CH
Acq On : 8 Dec 97 23:55
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:06 1998 Quant Results File: SURRB.RES

Vial: 17
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	10212.9	9.8	7.08 - 7.18	12/9/97	6:59
Decachlorobiphenyl	50	15102.0	14628.6	4.8	29.17 - 29.37	12/9/97	6:59
Aroclor-1254-1	1000	135.7	132.5	2.4	14.02 - 14.16	12/9/97	6:59
Aroclor-1254-2	1000	383.6	351.4	8.4	15.41 - 15.55	12/9/97	6:59
Aroclor-1254-3	1000	526.4	500.6	4.9	15.72 - 15.86	12/9/97	6:59
Aroclor-1254-4	1000	428.8	353.5	17.6	18.38 - 18.52	12/9/97	6:59
Aroclor-1254-5	1000	868.4	765.6	11.8	19.71 - 19.85	12/9/97	6:59

QPC7392B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6547.2	8.3	5.90 - 6.00	12/9/97	6:59
Decachlorobiphenyl	50	8307.5	8766.4	5.5	24.45 - 24.65	12/9/97	6:59
Aroclor-1254-1	1000	222.2	220.1	0.9	11.29 - 11.43	12/9/97	6:59
Aroclor-1254-2	1000	419.1	409.2	2.4	13.40 - 13.54	12/9/97	6:59
Aroclor-1254-3	1000	149.9	152.9	2.0	14.81 - 14.95	12/9/97	6:59
Aroclor-1254-4	1000	497.3	486.6	2.2	15.42 - 15.56	12/9/97	6:59
Aroclor-1254-5	1000	479.2	524.6	9.5	17.72 - 17.86	12/9/97	6:59

QPC7392B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0793.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDA~1\BA0793.D\ECD2B.CH
Acq On : 9 Dec 97 6:59 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	510647	327358	27.250	25.592
Spiked Amount 40.000 Range 43 - 150 Recovery =					68.13%	63.98%
2) SA Decachlorobiphen	29.27	24.55	791428	438321	35.888	47.187 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					89.72%	117.97%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.36	132460	220105	976.207m	990.645
4) L6 Aroclor-1254{2}	15.48	13.47	351392	409150	916.080	976.240
5) L6 Aroclor-1254{3}	15.79	14.88	500552	152877	950.963	1019.650
6) L6 Aroclor-1254{4}	18.45	15.49	353452	486612	824.321	978.430
7) L6 Aroclor-1254{5}	19.78	17.79	765561	524618	881.542	1094.848
Sum Aroclor-1254			2103417	1793363	4549.114	5059.813
Average Aroclor-1254					909.823	1011.963

883

5/26/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0793A.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDA~1\BA0793A.D\ECD2B.CH
Acq On : 9 Dec 97 6:59 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	510647	327358	54.892	54.174
Spiked Amount	40.000	Range	43 - 150	Recovery	= 137.23%	135.44%
2) SA Decachlorobiphen	29.27	24.55	791428	438321	52.405	52.762
Spiked Amount	40.000	Range	24 - 154	Recovery	= 131.01%	131.91%

Target Compounds

883A

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

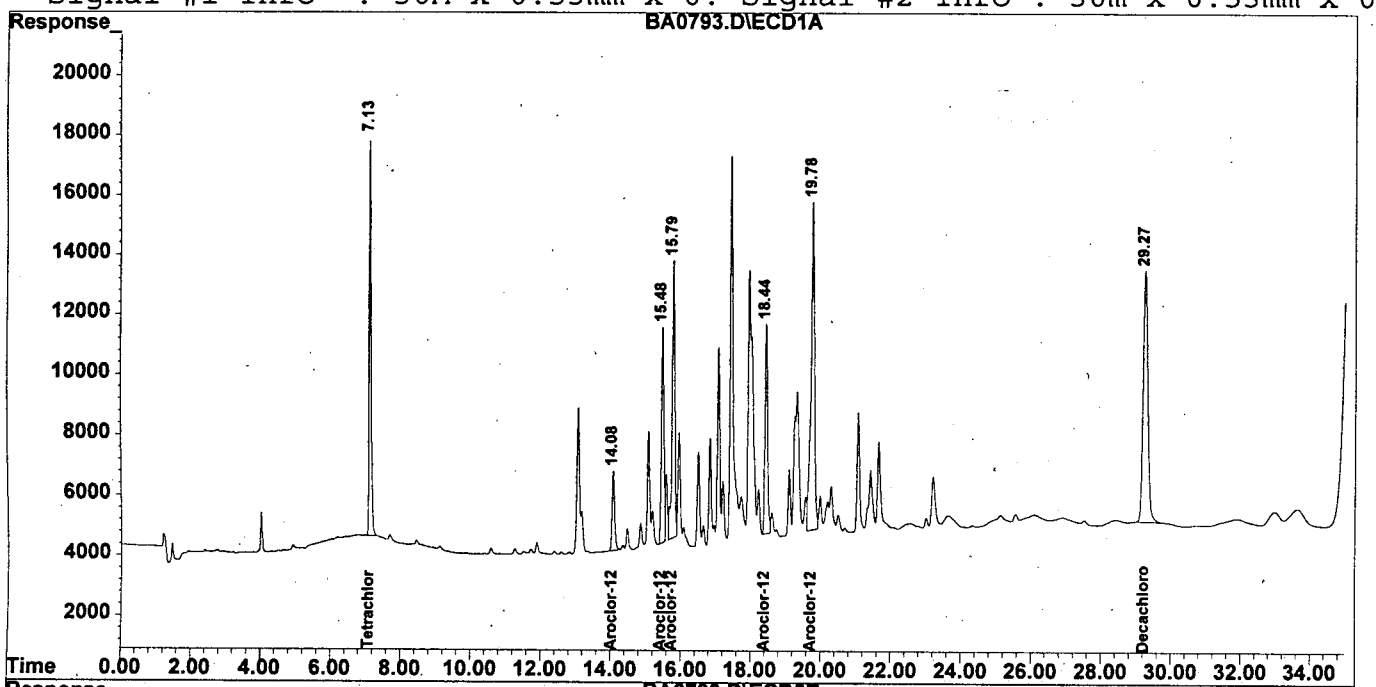
Quantitation Report

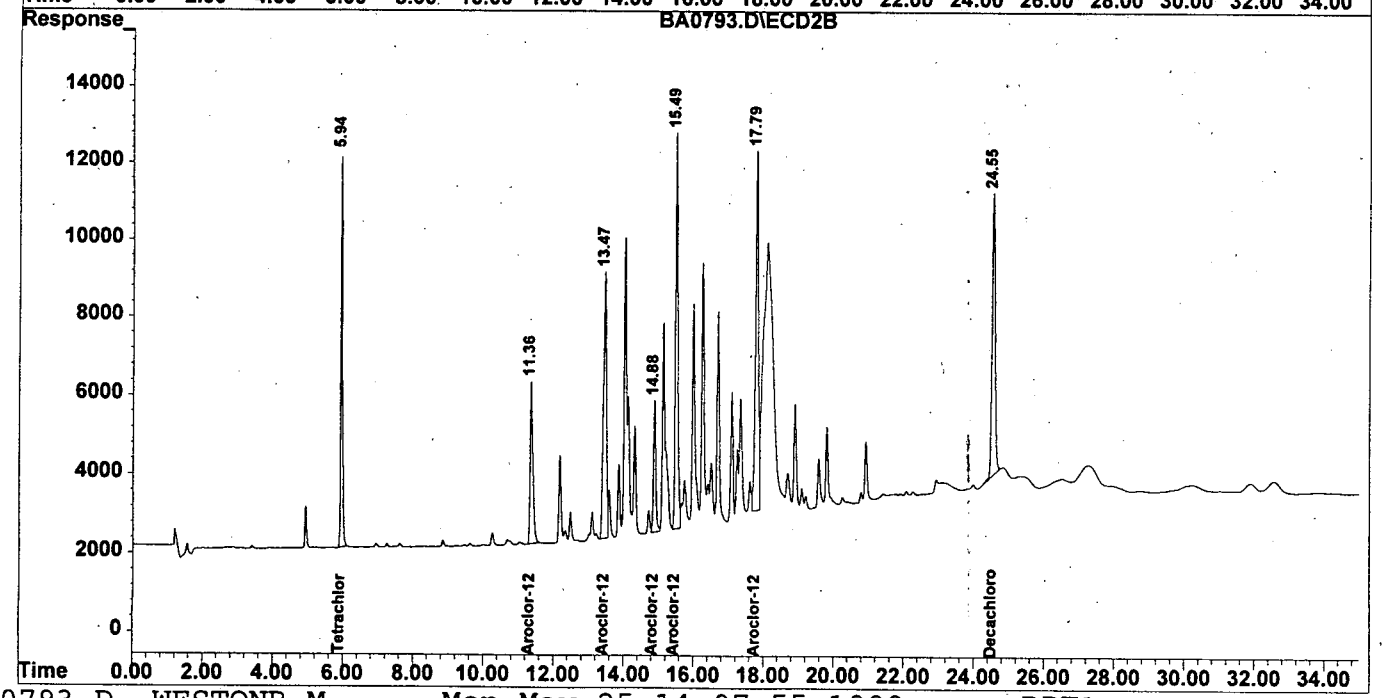
AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0793.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDA~1\BA0793.D\ECD2B.CH
Acq On : 9 Dec 97 6:59 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:08 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





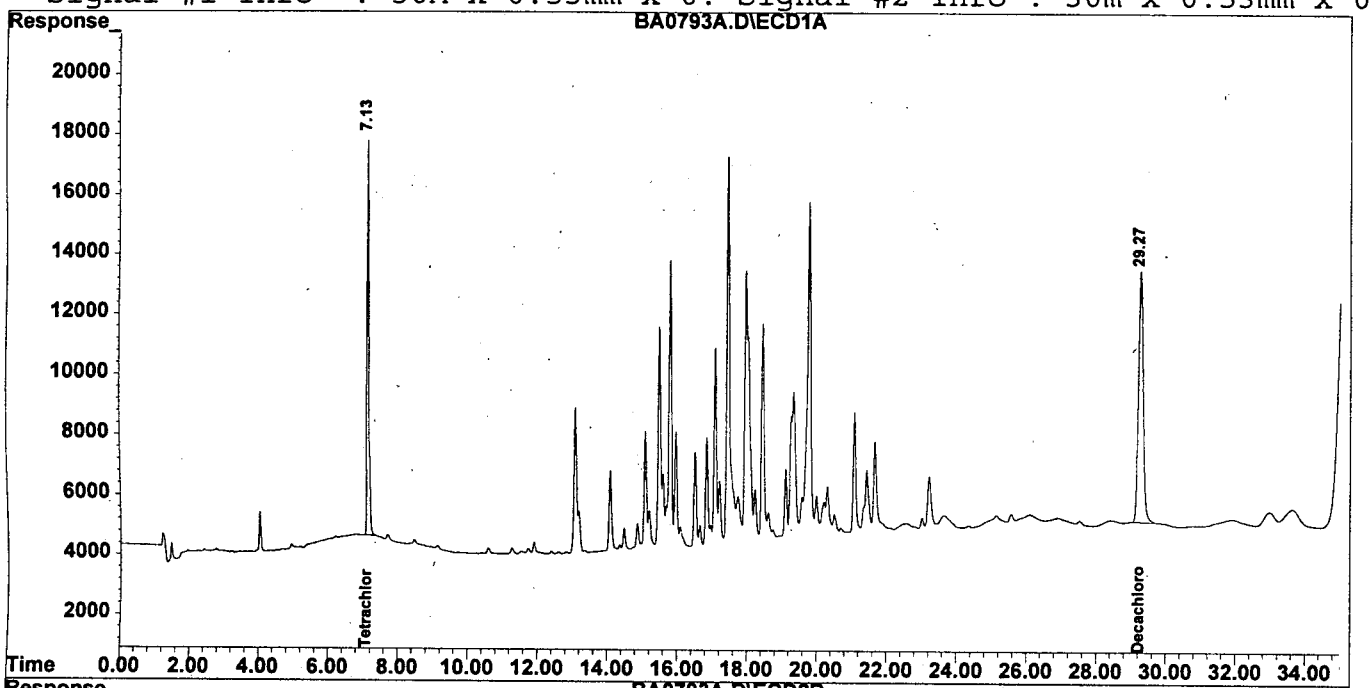
Quantitation Report

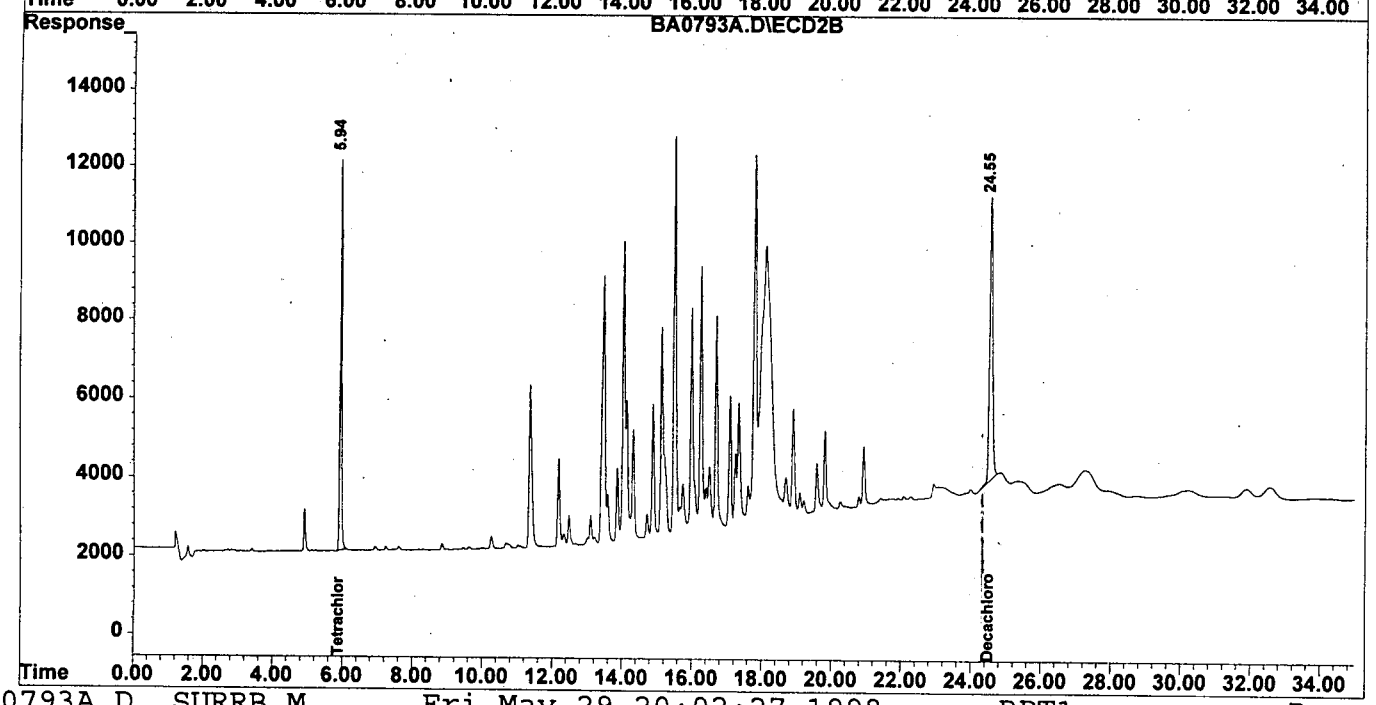
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0793A.D\ECD1A.CH Vial: 28
Signal #2 : E:\WESTDA~1\BA0793A.D\ECD2B.CH
Acq On : 9 Dec 97 6:59 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 28 12:07 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	9244.8	0.6	7.14 - 7.24	12/9/97	19:13
Decachlorobiphenyl	50	15102.0	15402.2	2.0	28.94 - 29.14	12/9/97	19:13
Aroclor-1254-1	1000	135.7	125.8	7.3	14.02 - 14.16	12/9/97	19:13
Aroclor-1254-2	1000	383.6	405.3	5.7	15.41 - 15.55	12/9/97	19:13
Aroclor-1254-3	1000	526.4	547.0	3.9	15.71 - 15.85	12/9/97	19:13
Aroclor-1254-4	1000	428.8	360.5	15.9	18.34 - 18.48	12/9/97	19:13
Aroclor-1254-5	1000	868.4	742.0	14.6	19.66 - 19.80	12/9/97	19:13

QPC7393B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6384.8	5.7	5.88 - 5.98	12/9/97	19:13
Decachlorobiphenyl	50	8307.5	9189.9	10.6	24.29 - 24.49	12/9/97	19:13
Aroclor-1254-1	1000	222.2	213.5	3.9	11.26 - 11.40	12/9/97	19:13
Aroclor-1254-2	1000	419.1	455.4	8.7	13.36 - 13.50	12/9/97	19:13
Aroclor-1254-3	1000	149.9	155.9	4.0	14.76 - 14.90	12/9/97	19:13
Aroclor-1254-4	1000	497.3	511.2	2.8	15.37 - 15.51	12/9/97	19:13
Aroclor-1254-5	1000	479.2	502.5	4.9	17.66 - 17.80	12/9/97	19:13

QPC7393B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0804.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0804.D\ECD2B.CH
Acq On : 9 Dec 97 19:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:14 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.19	5.93	462242	319899	24.667	25.009
Spiked Amount 40.000 Range 43 - 150 Recovery =					61.67%	62.52%
2) SA Decachlorobiphen	29.04f	24.39f	762398	467894	34.571m	50.371m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.43%	125.93%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.33	125784	213524	927.006m	961.023
4) L6 Aroclor-1254{2}	15.48	13.43	405293	455443	1056.600	1086.695
5) L6 Aroclor-1254{3}	15.78	14.83	546967	155914	1039.143	1039.909
6) L6 Aroclor-1254{4}	18.41	15.44	360544	511235	840.860	1027.939
7) L6 Aroclor-1254{5}	19.73	17.73	741959	502536	854.364	1048.765m
Sum Aroclor-1254			2180546	1838652	4717.973	5164.331
Average Aroclor-1254					943.595	1032.866

887

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0804A.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0804A.D\ECD2B.CH
Acq On : 9 Dec 97 19:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:25 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.19	5.93f	462242	319239	49.689	52.830m
Spiked Amount 40.000 Range 43 - 150 Recovery =					124.22%	132.08%
2) SA Decachlorobiphen	29.04f	24.39f	770109	459493	50.994m	55.310m
Spiked Amount 40.000 Range 24 - 154 Recovery =					127.49%	138.28%

Target Compounds

887A

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

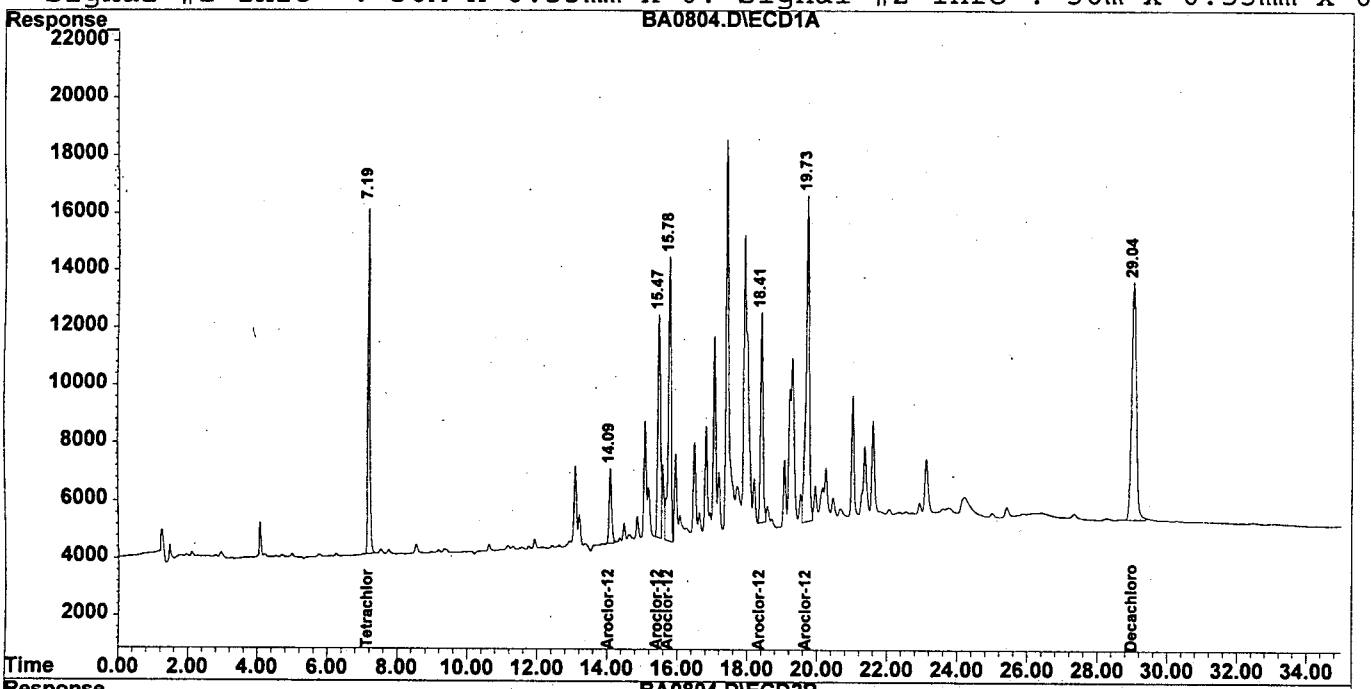
Quantitation Report

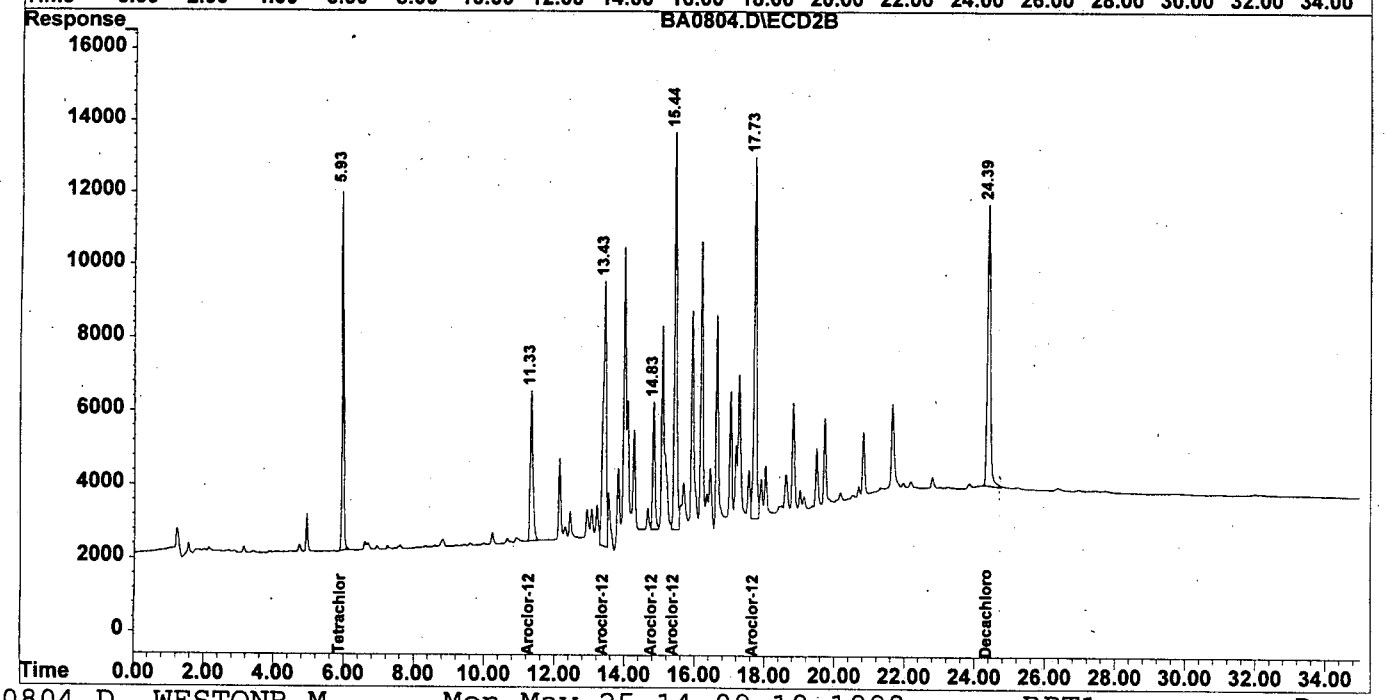
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0804.D\ECD1A.CH Vial: 3
Signal #2 : E:\WESTDA~1\BA0804.D\ECD2B.CH
Acq On : 9 Dec 97 19:13 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:14 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





Quantitation Report

AMENDED REPORT MAY 3 0 1998

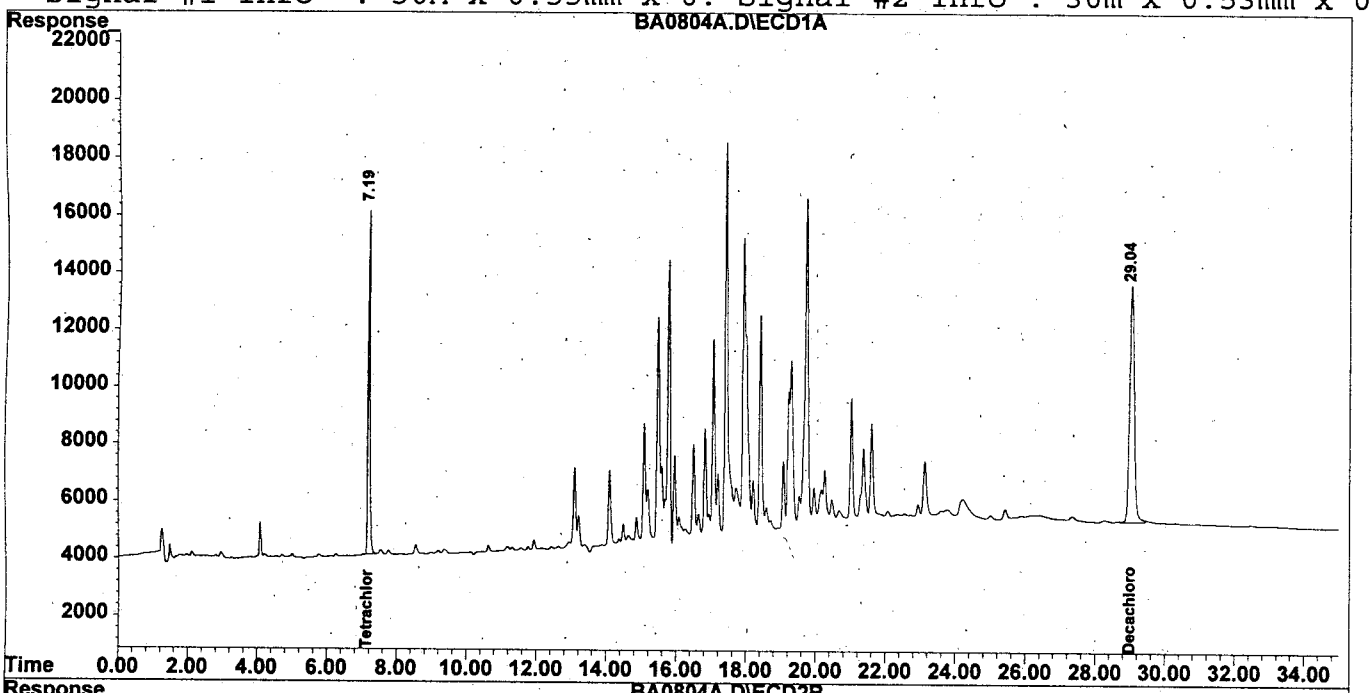
Signal #1 : E:\WESTDA~1\BA0804A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0804A.D\ECD2B.CH
Acq On : 9 Dec 97 19:13
Sample : AR1254 #3
Misc :

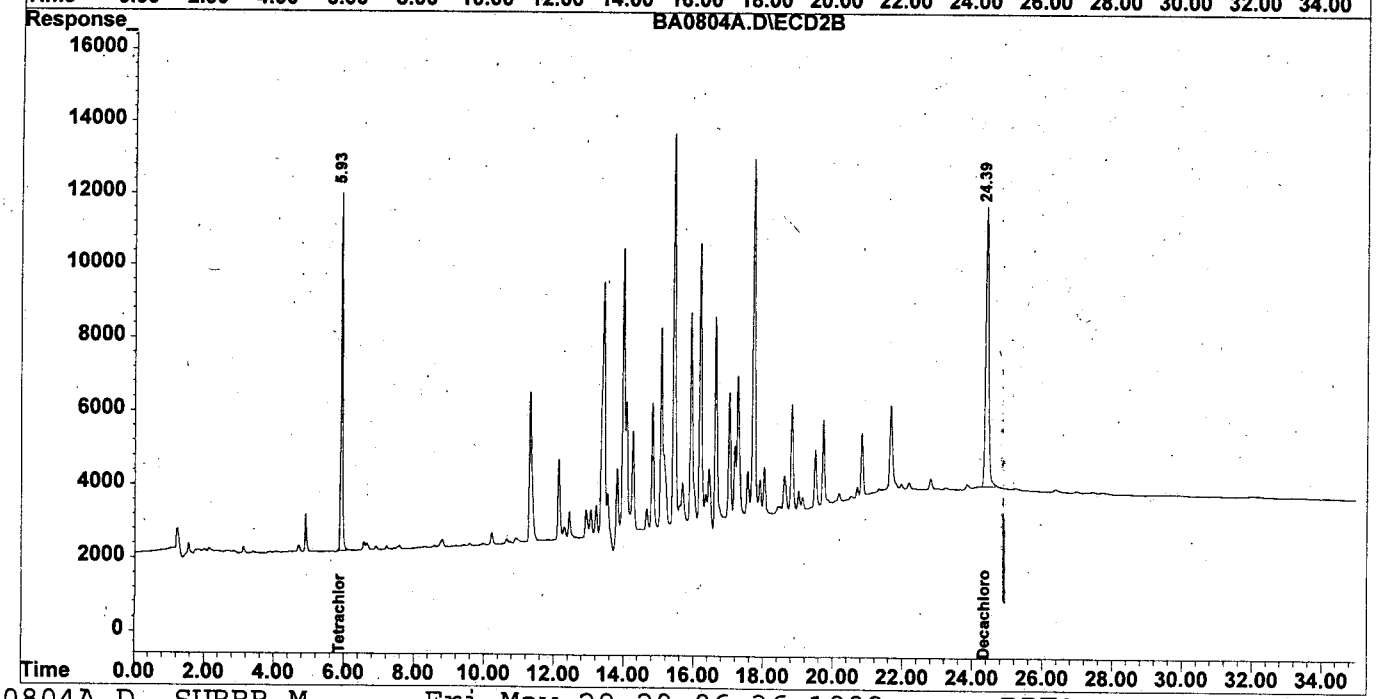
Vial: 3
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:25 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





888A

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	~~8853.3~~	2.3	7.09 - 7.19	12/10/97	2:59
Decachlorobiphenyl	50	~~15048.7~~	13857.4	~~7.9~~	28.89 - 29.09	12/10/97	2:59
Aroclor-1248-1	1000	194.0	165.4	14.8	10.51 - 10.65	12/10/97	2:59
Aroclor-1248-2	1000	559.5	500.1	10.6	11.81 - 11.95	12/10/97	2:59
Aroclor-1248-3	1000	413.3	366.6	11.3	13.64 - 13.78	12/10/97	2:59
Aroclor-1248-4	1000	496.3	420.4	15.3	13.98 - 14.12	12/10/97	2:59
Aroclor-1248-5	1000	377.0	335.4	11.0	15.97 - 16.11	12/10/97	2:59

278174.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	8984.8	3.4	7.09 - 7.19	12/10/97	2:59
DCB for AR1248 #3	50	15102.0	14231.7	5.8	28.89 - 29.09	12/10/97	2:59

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PKB 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	5957.7	8.0	5.86 - 5.96	12/10/97	2:59
Decachlorobiphenyl	50	8918.0	8254.5	7.4	24.27 - 24.47	12/10/97	2:59
Aroclor-1248-1	1000	416.5	378.7	9.1	10.14 - 10.28	12/10/97	2:59
Aroclor-1248-2	1000	338.9	302.6	10.7	12.06 - 12.20	12/10/97	2:59
Aroclor-1248-3	1000	316.5	277.0	12.5	12.35 - 12.49	12/10/97	2:59
Aroclor-1248-4	1000	269.1	322.2	19.7	13.35 - 13.49	12/10/97	2:59
Aroclor-1248-5	1000	126.0	111.5	11.5	15.35 - 15.49	12/10/97	2:59

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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	5900.8	2.3	5.86 - 5.96	12/10/97	2:59
DCB for AR1248 #3	50	8307.5	7902.8	4.9	24.27 - 24.47	12/10/97	2:59

QPC7390B.XLS

PLB 6/3/98

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AMENDED REPORT JUN 0 3 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0816.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_B\BA0816.D\ECD2B.CH
Acq On : 10 Dec 97 2:59 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:36 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	442663	297885	48.864	45.991
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.16%	114.98%
2) SA Decachlorobiphen	28.99	24.37	692871	412724	46.042	46.280
Spiked Amount 40.000 Range 24 - 154 Recovery =					115.11%	115.70%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.58	10.21	165379	378693	852.489	909.206
21) L5 Aroclor-1248{2}	11.88	12.13	500071	302629	893.825	893.026
22) L5 Aroclor-1248{3}	13.17	12.42	366582	276986	886.924	875.042m
23) L5 Aroclor-1248{4}	14.05	13.42	420440	322174	847.088	1197.321m#
24) L5 Aroclor-1248{5}	16.04	15.42	335386	111492	889.586	885.193m
Sum Aroclor-1248			1787858	1391974	4369.912	4759.788
Average Aroclor-1248					873.982	951.958
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
BA0816.D PCB_2.M Wed Dec 10 12:01:27 1997

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0816A.D\ECD1A.CH Vial: 15
Signal #2 : E:\WESTDA~1\BA0816A.D\ECD2B.CH
Acq On : 10 Dec 97 2:59 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:48 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.91	449240	295040	48.291m	48.825
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.73%	122.06%
2) SA Decachlorobiphen	28.99f	24.37f	711586	395139	47.118m	47.564m
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.80%	118.91%
Target Compounds						

7B 6/1/98

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

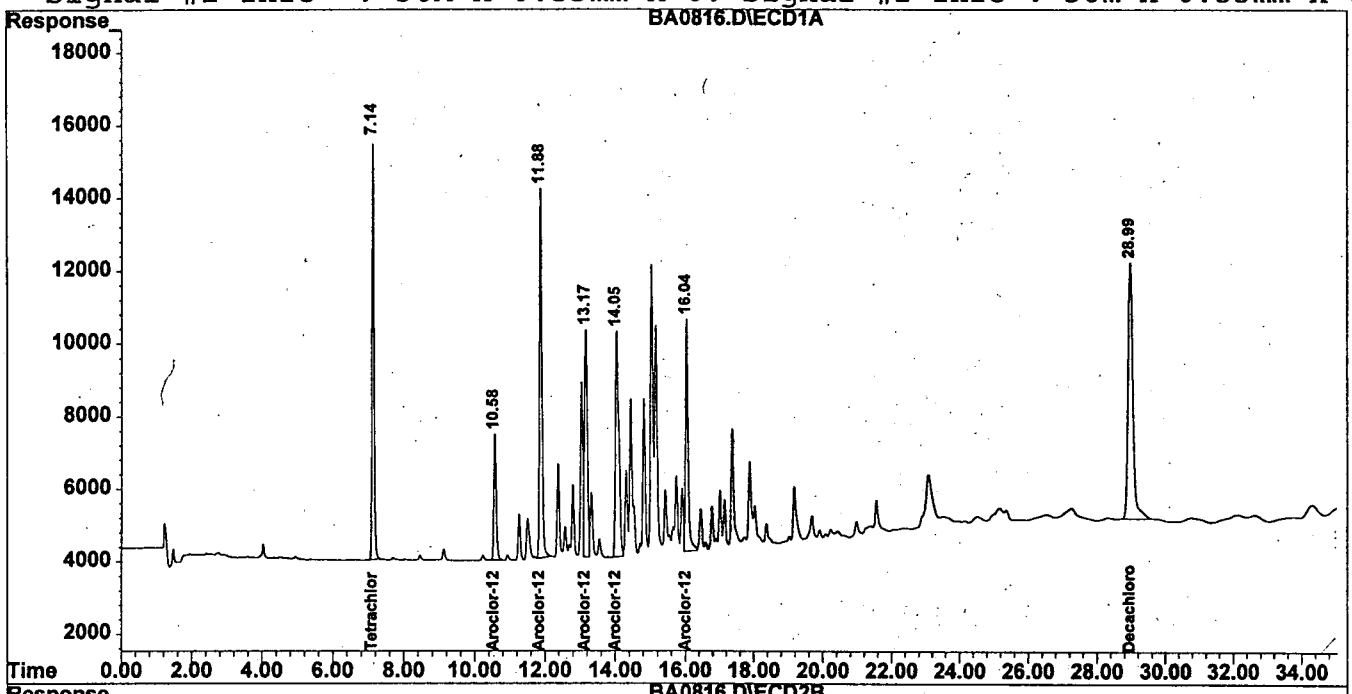
8 9 12A PRB 6/3/98

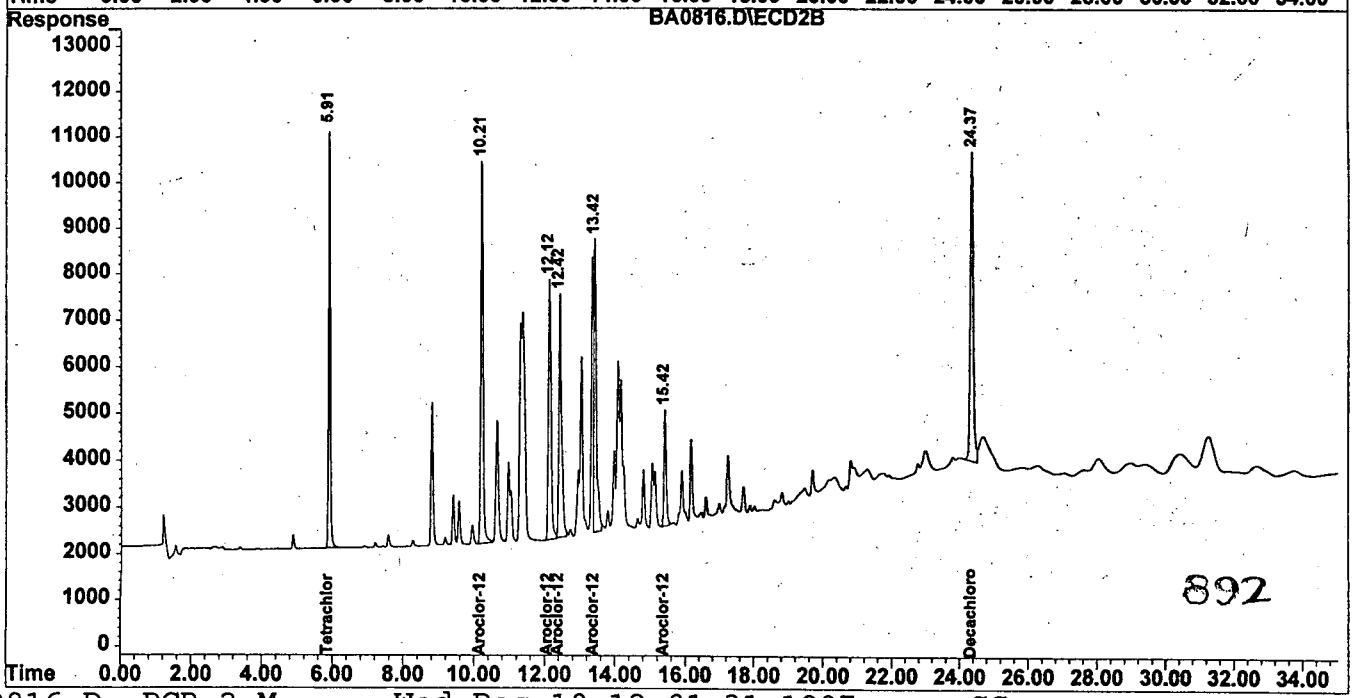
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0816.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_B\BA0816.D\ECD2B.CH
Acq On : 10 Dec 97 2:59 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:36 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

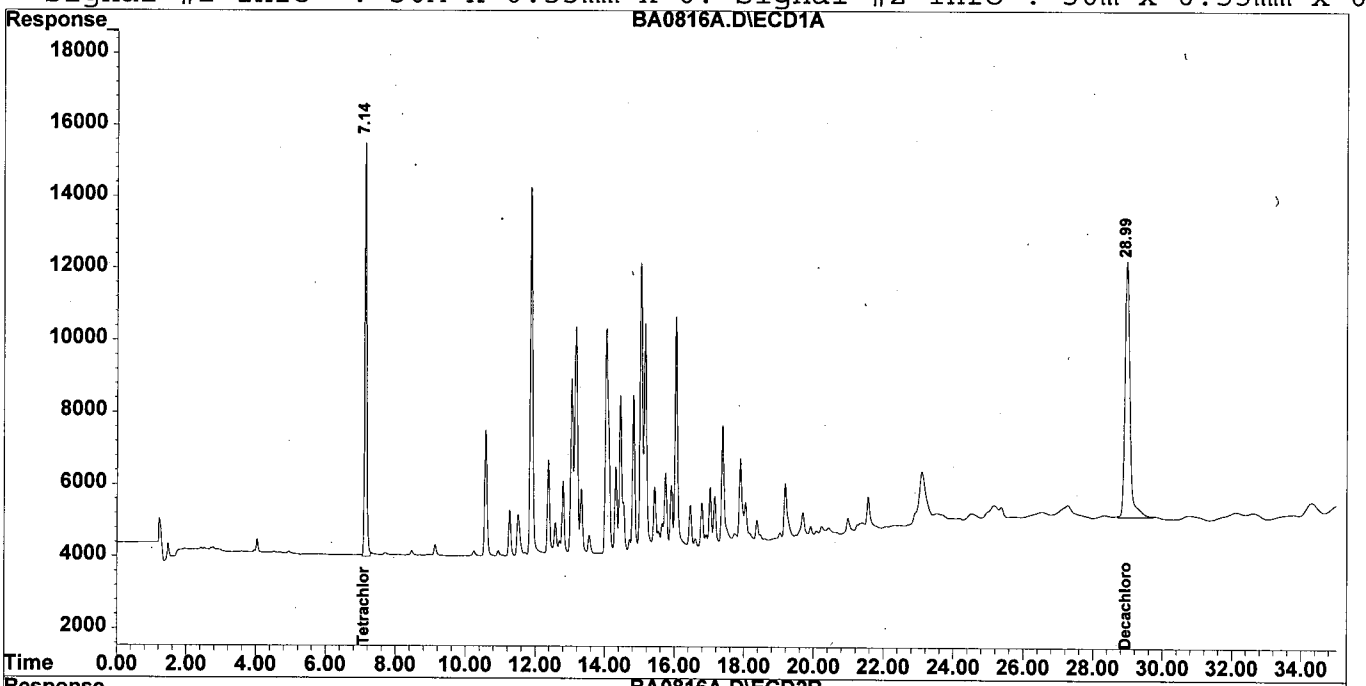
AMENDED REPORT JUN 0 2 1998

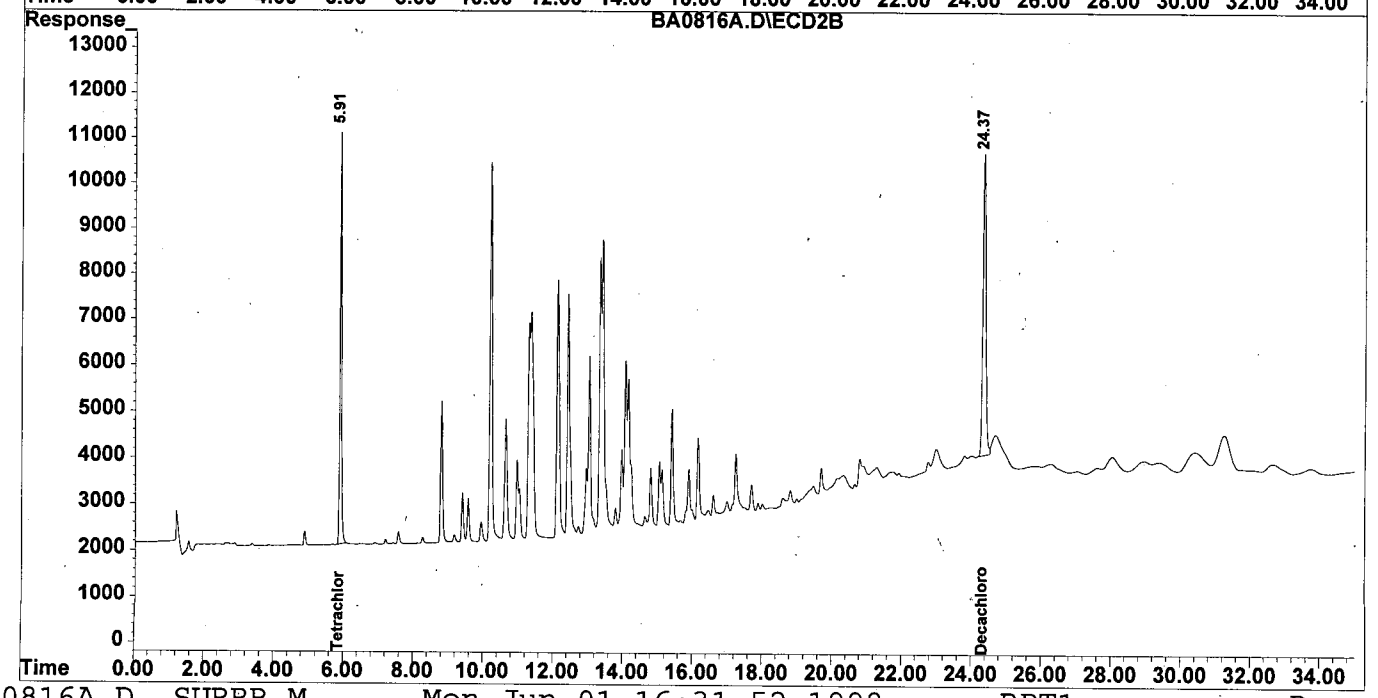
Signal #1 : E:\WESTDA~1\BA0816A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0816A.D\ECD2B.CH
Acq On : 10 Dec 97 2:59
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:48 1998 Quant Results File: SURRB.RES

Vial: 15
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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PKD 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	9302.7	9890.5	6.3	7.10 - 7.20	12/10/97	10:28
DCB for AR1660 #3	50	15102.0	14775.0	2.2	29.03 - 29.23	12/10/97	10:28

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8 9 ~~23~~B
PRB 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	6042.7	6171.1	2.1	5.90 - 6.00	12/10/97	10:28
DCB for AR1660 #3	50	8307.5	8610.2	3.6	24.36 - 24.56	12/10/97	10:28

QPC7390B.XLS

8 92~~3~~C PKB 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0827.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_B\BA0827.D\ECD2B.CH
Acq On : 10 Dec 97 10:28 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:52 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.15	5.95	490678	311452	54.164	48.086
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.41%	120.22%
2) SA Decachlorobiphen	29.13	24.46	760809	435657	50.556m	48.852
Spiked Amount 40.000 Range 24 - 154 Recovery =					126.39%	122.13%
Target Compounds						
3) L1 Aroclor-1016{1}	9.16	8.85	226773	305265	1065.352	1048.958
4) L1 Aroclor-1016{2}	10.61	10.26	465634	589410	987.599	1041.202
5) L1 Aroclor-1016{3}	11.92	10.70	840271	283853	1021.563	1059.384
6) L1 Aroclor-1016{4}	12.42	12.18	293947	266103	1049.920	1037.280
7) L1 Aroclor-1016{5}	13.21	14.03	336373	160572	1030.143	1088.772
Sum Aroclor-1016			2162998	1605204	5154.578	5275.597
Average Aroclor-1016					1030.916	1055.119
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260{1}	18.02	15.97	533084	354981	1024.291	1041.531
31) L7 Aroclor-1260{2}	18.43	16.67	644492	435611	1047.022	1071.494
32) L7 Aroclor-1260{3}	19.97	17.76	497960	571727	1091.332	1108.553
33) L7 Aroclor-1260{4}	21.04	19.77	479020	693880	1028.068	1108.169
34) L7 Aroclor-1260{5}	21.62	20.88	1320231	523264	1024.131	1107.808
Sum Aroclor-1260			3474787	2579463	5214.844	5437.554
Average Aroclor-1260					1042.969	1087.511

%D all ok

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0827A.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDA~1\BA0827A.D\ECD2B.CH
Acq On : 10 Dec 97 10:28 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:48 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.15	5.95	494524	308555	53.159m	51.062
Spiked Amount 40.000 Range 43 - 150 Recovery =					132.90%	127.66%
2) SA Decachlorobiphen	29.13	24.46	738749	430511	48.917	51.822
Spiked Amount 40.000 Range 24 - 154 Recovery =					122.29%	129.56%

Target Compounds

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

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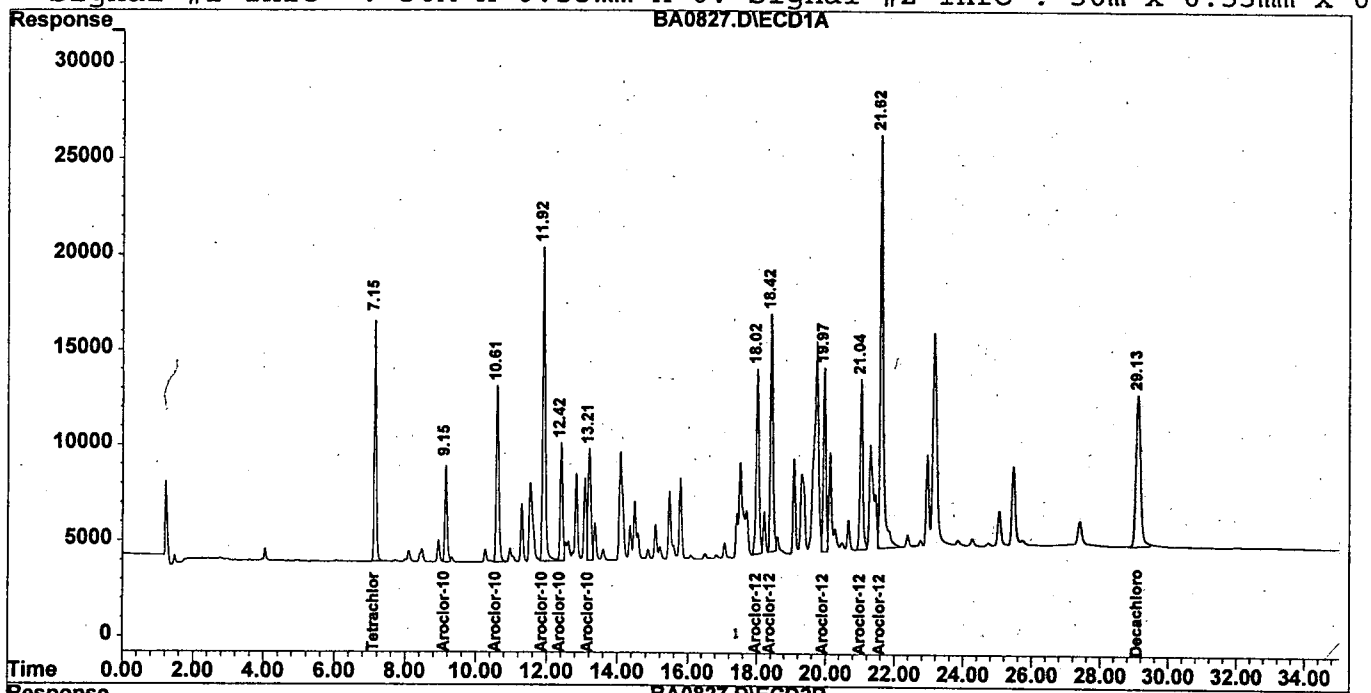
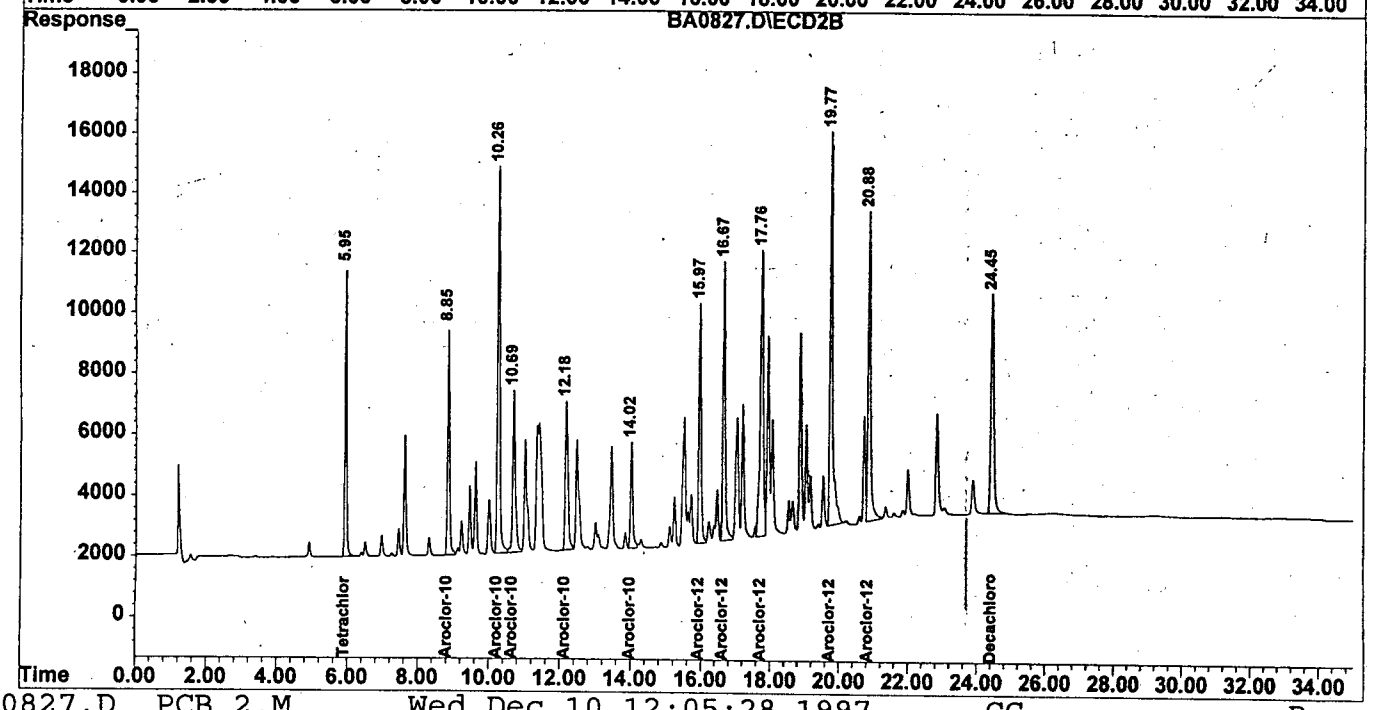
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0827.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_B\BA0827.D\ECD2B.CH
Acq On : 10 Dec 97 10:28 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 10 11:52 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

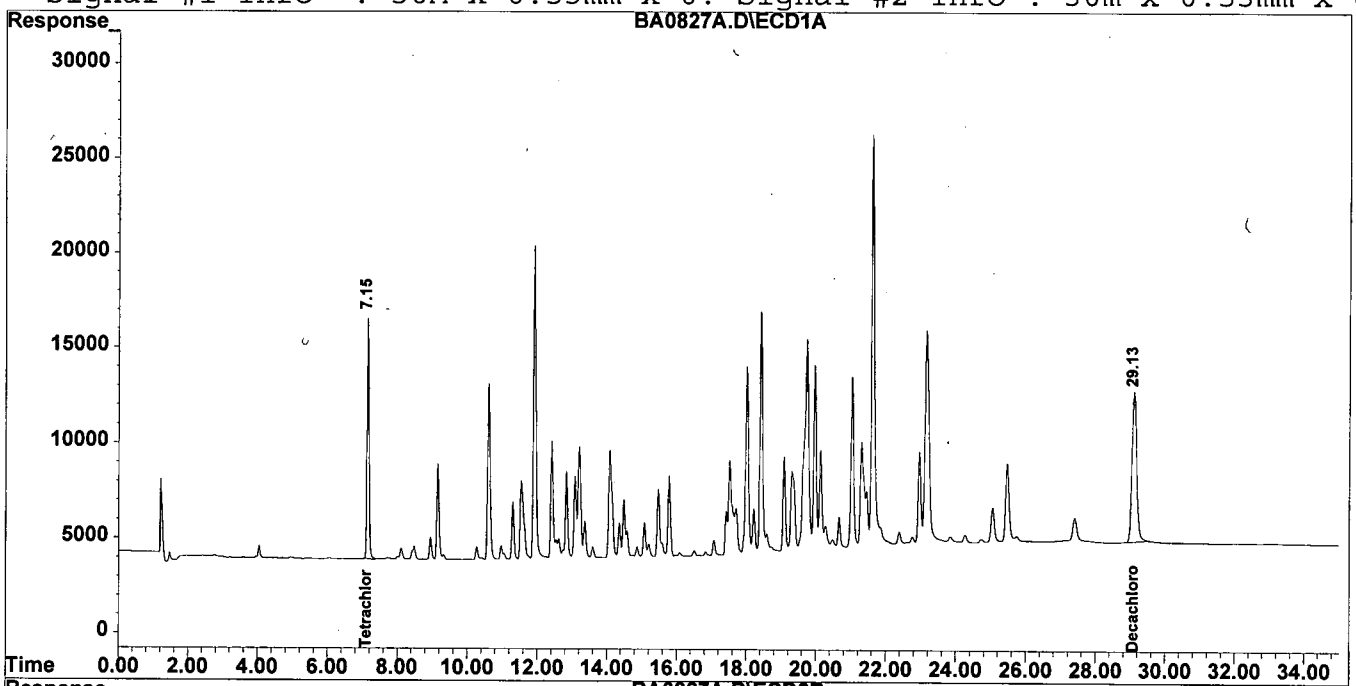
AMENDED REPORT JUN 0 2 1998

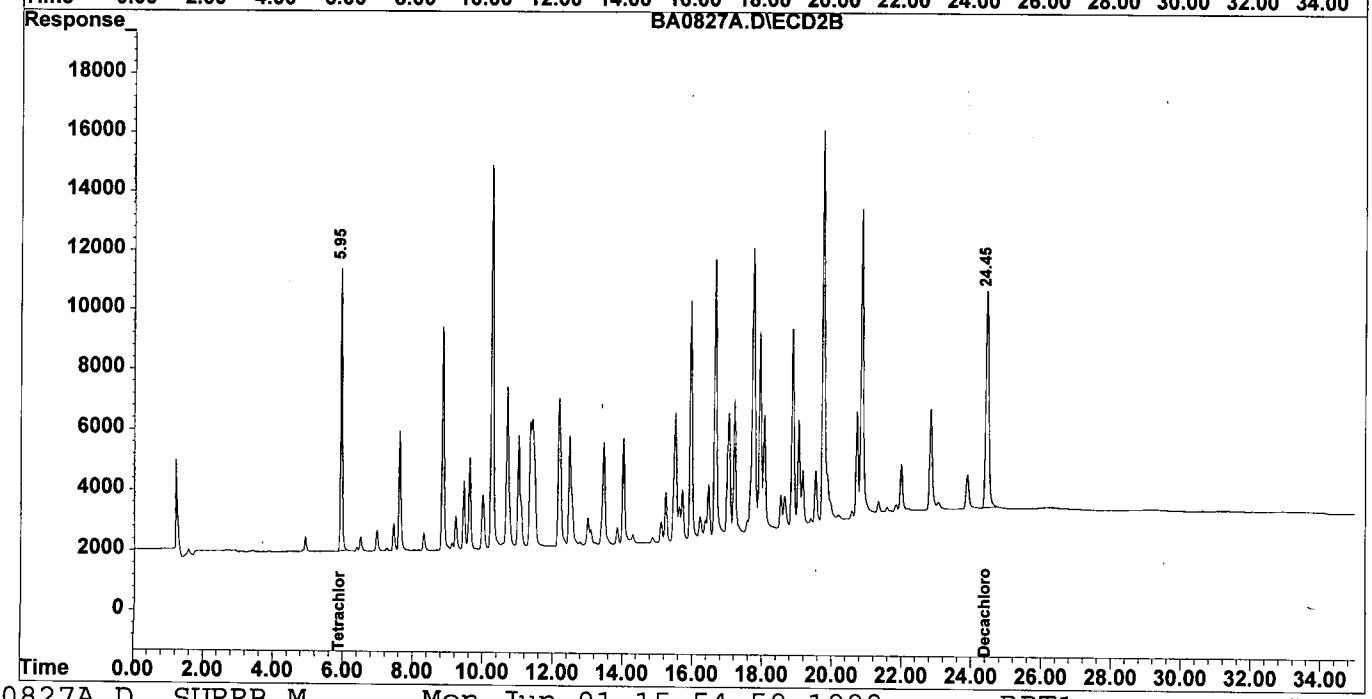
Signal #1 : E:\WESTDA~1\BA0827A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0827A.D\ECD2B.CH
Acq On : 10 Dec 97 10:28
Sample : AR1660 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:48 1998 Quant Results File: SURRB.RES

Vial: 26
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302. 7	9215.8	0.9	7.12 - 7.22	12/10/97	15:19
Decachlorobiphenyl	50	15102.0	14826.7	1.8	29.08 - 29.28	12/10/97	15:19
Aroclor-1254-1	1000	135.7	123.0	9.3	14.04 - 14.18	12/10/97	15:19
Aroclor-1254-2	1000	383.6	331.4	13.6	15.43 - 15.57	12/10/97	15:19
Aroclor-1254-3	1000	526.4	472.9	10.2	15.74 - 15.88	12/10/97	15:19
Aroclor-1254-4	1000	428.8	343.2	20.0	18.38 - 18.52	12/10/97	15:19
Aroclor-1254-5	1000	868.4	714.6	17.7	19.71 - 19.85	12/10/97	15:19

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QPC7392B.XLS

AMENDED REPORT MAY 30

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6032.7	0.2	5.92 - 6.02	12/10/97	15:19
Decachlorobiphenyl	50	8307.5	8544.0	2.8	24.38 - 24.58	12/10/97	15:19
Aroclor-1254-1	1000	222.2	198.7	10.6	11.30 - 11.44	12/10/97	15:19
Aroclor-1254-2	1000	419.1	375.3	10.5	13.40 - 13.54	12/10/97	15:19
Aroclor-1254-3	1000	149.9	132.6	11.5	14.81 - 14.95	12/10/97	15:19
Aroclor-1254-4	1000	497.3	450.4	9.4	15.42 - 15.56	12/10/97	15:19
Aroclor-1254-5	1000	479.2	429.1	10.4	17.71 - 17.85	12/10/97	15:19

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~~900~~ 6/3/98

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0832.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0832.D\ECD2B.CH
Acq On : 10 Dec 97 15:19 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:30 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.17	5.97	460788	301633	24.590	23.581
Spiked Amount 40.000 Range 43 - 150 Recovery =					61.48%	58.95%
2) SA Decachlorobiphen	29.18f	24.48	736058	446834	33.377m	48.103m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					83.44%	120.26%
Target Compounds						
3) L6 Aroclor-1254{1}	14.11	11.37	123014	198720	906.592m	894.396
4) L6 Aroclor-1254{2}	15.50	13.47	331413	375263	863.996	895.386
5) L6 Aroclor-1254{3}	15.81	14.88	472919	132616	898.464	884.516
6) L6 Aroclor-1254{4}	18.45	15.49	343218	450386	800.452	905.590
7) L6 Aroclor-1254{5}	19.78	17.78	714552	429130	822.806	895.569
Sum Aroclor-1254			1985116	1586116	4292.310	4475.457
Average Aroclor-1254					858.462	895.091

897

5/26/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0832A.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0832A.D\ECD2B.CH
Acq On : 10 Dec 97 15:19 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:46 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.17	5.97	460788	301633	49.533	49.917
Spiked Amount 40.000 Range 43 - 150 Recovery =					123.83%	124.79%
2) SA Decachlorobiphen	29.18f	24.48	741335	427198	49.088m	51.423m
Spiked Amount 40.000 Range 24 - 154 Recovery =					122.72%	128.56%

Target Compounds

897A

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

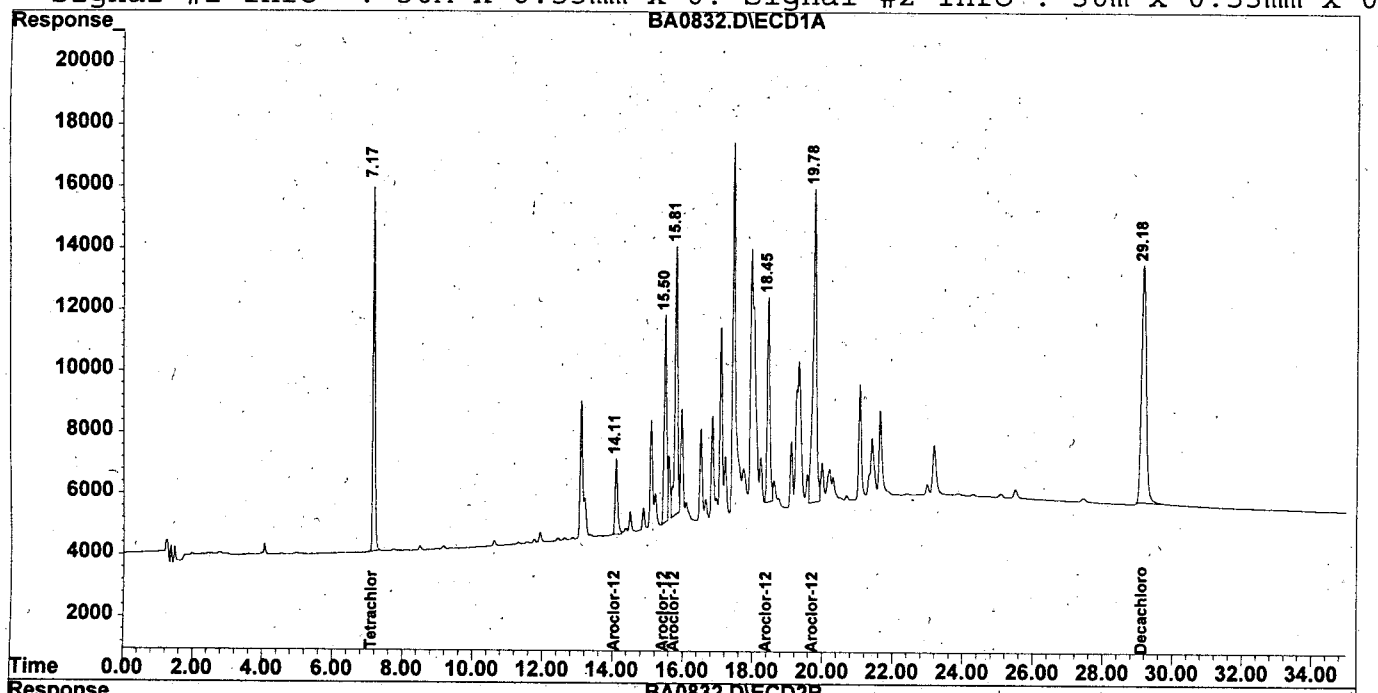
Quantitation Report

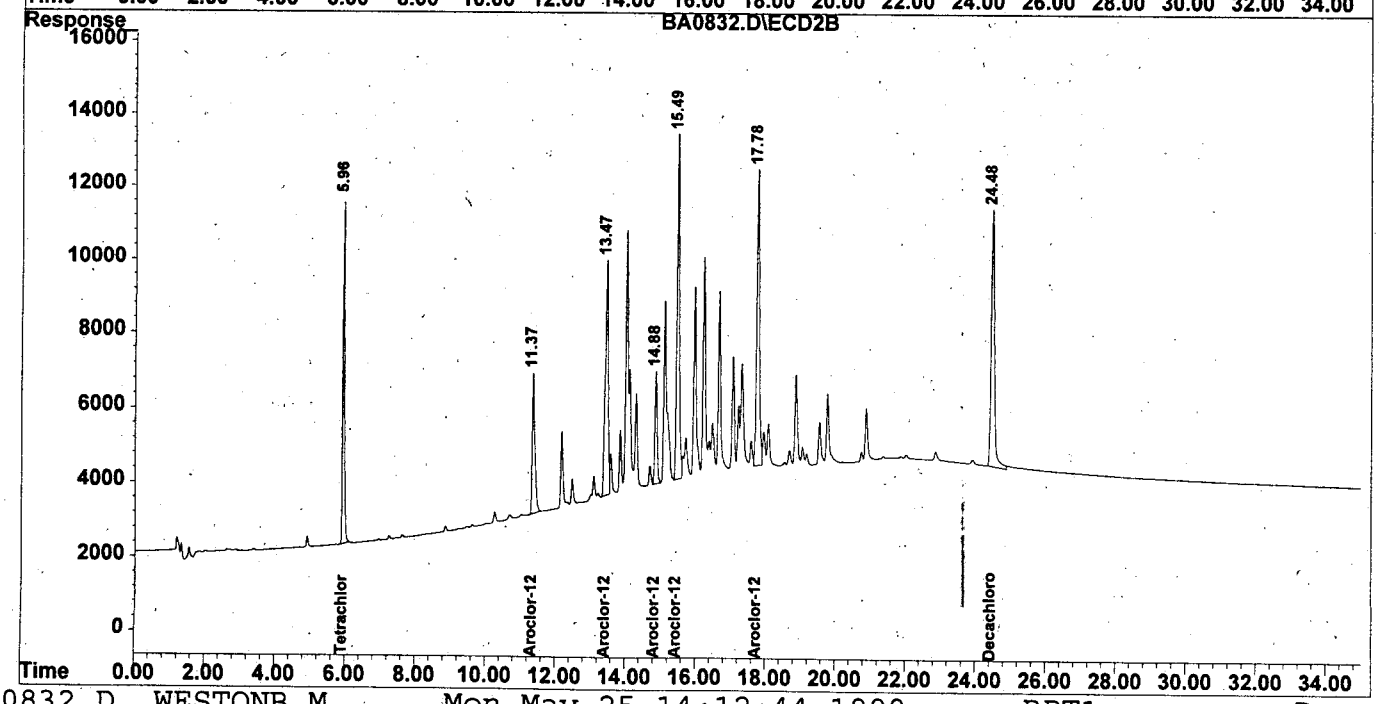
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0832.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0832.D\ECD2B.CH
Acq On : 10 Dec 97 15:19 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 24 18:30 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



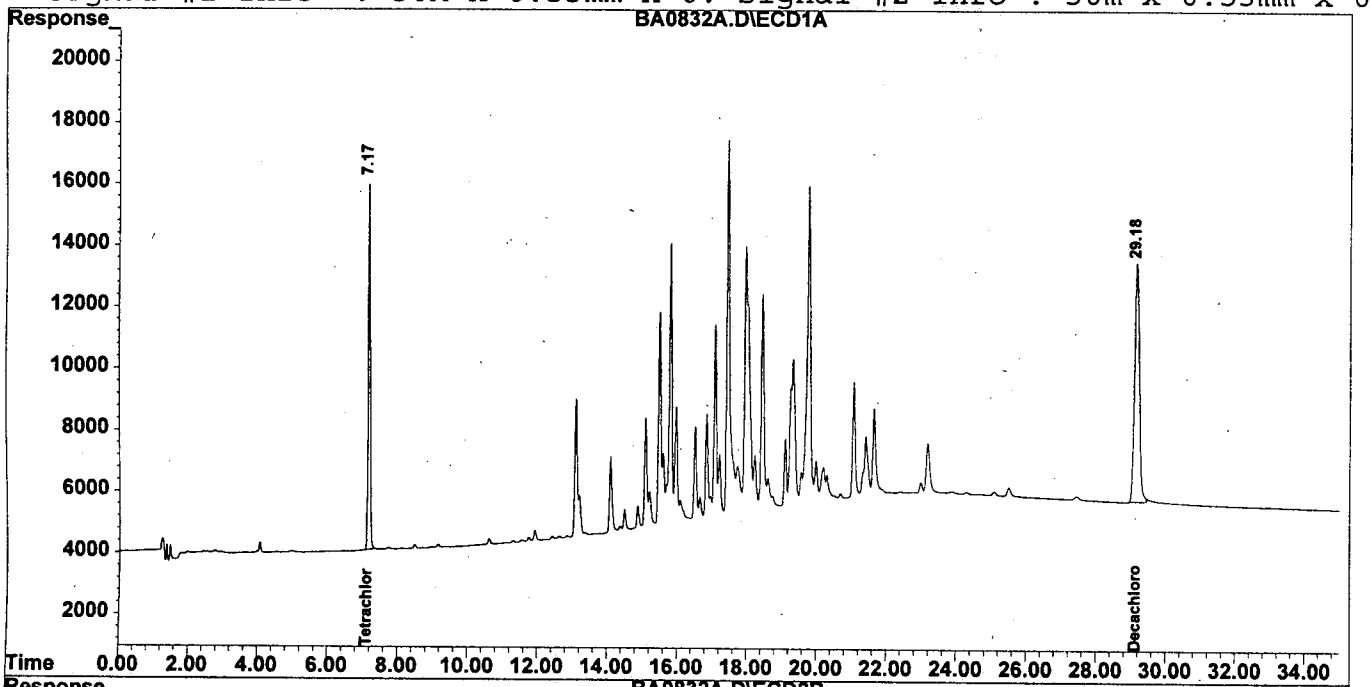


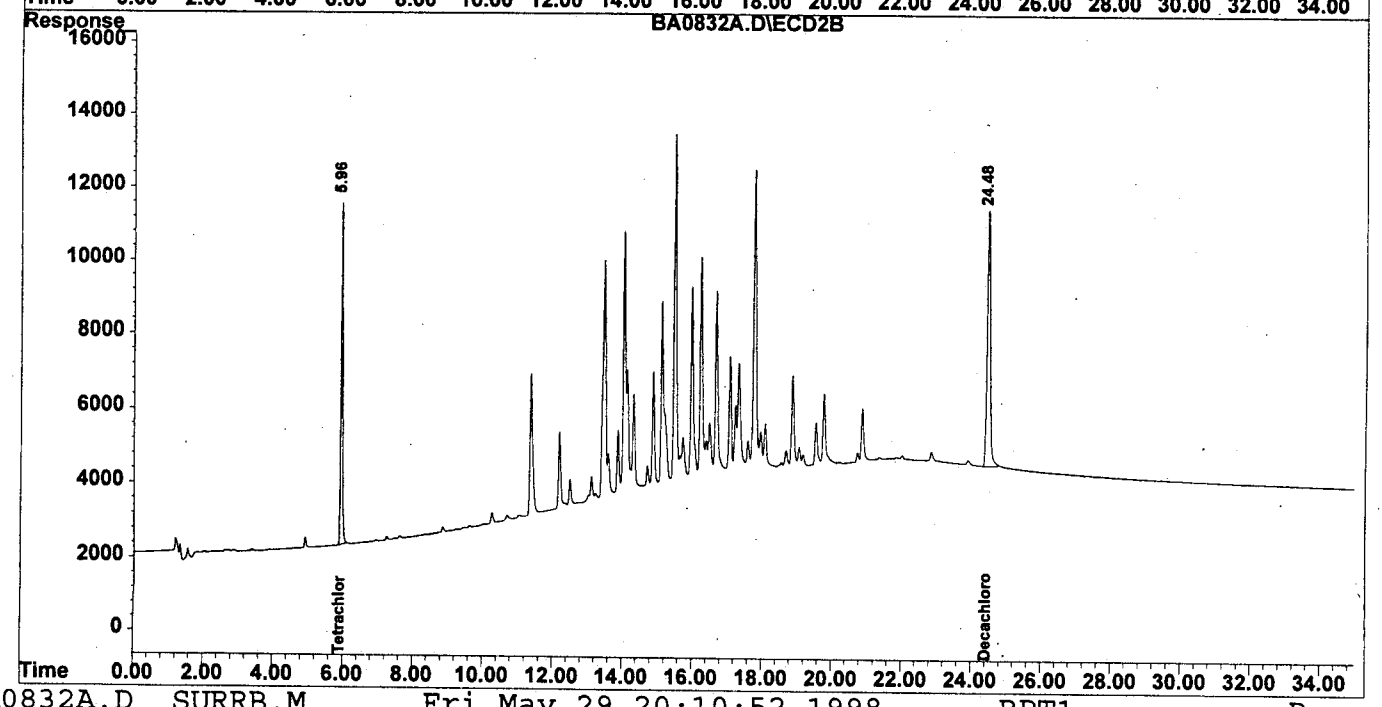
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0832A.D\ECD1A.CH Vial: 31
Signal #2 : E:\WESTDA~1\BA0832A.D\ECD2B.CH
Acq On : 10 Dec 97 15:19 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:46 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	~~9967.0~~	~~10.0~~	7.08 - 7.18	12/10/97	22:26
Decachlorobiphenyl	50	15048.8	14939.0	~~0.7~~	29.02 - 29.22	12/10/97	22:26
Aroclor-1248-1	1000	194.0	192.5	0.8	10.52 - 10.66	12/10/97	22:26
Aroclor-1248-2	1000	559.5	570.5	2.0	11.83 - 11.97	12/10/97	22:26
Aroclor-1248-3	1000	413.3	408.5	1.2	13.12 - 13.26	12/10/97	22:26
Aroclor-1248-4	1000	256.1	242.2	5.4	14.00 - 14.14	12/10/97	22:26
Aroclor-1248-5	1000	377.0	371.4	1.5	16.01 - 16.15	12/10/97	22:26

278174.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	9848.7	5.9	7.08 - 7.18	12/10/97	22:26
DCB for AR1248 #3	50	15102.0	14939.0	1.1	29.02 - 29.22	12/10/97	22:26

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	~~6283.1~~	~~3.0~~	5.90 - 6.00	12/10/97	22:26
Decachlorobiphenyl	50	8917.9	~~8764.9~~	~~1.7~~	24.35 - 24.55	12/10/97	22:26
Aroclor-1248-1	1000	416.5	395.7	5.0	10.18 - 10.32	12/10/97	22:26
Aroclor-1248-2	1000	338.9	319.1	5.8	12.10 - 12.24	12/10/97	22:26
Aroclor-1248-3	1000	316.5	297.2	6.1	12.40 - 12.54	12/10/97	22:26
Aroclor-1248-4	1000	269.1	242.2	10.0	13.33 - 13.47	12/10/97	22:26
Aroclor-1248-5	1000	126.0	118.4	6.0	15.40 - 15.54	12/10/97	22:26

278174.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	6215.8	2.9	5.90 - 6.00	12/10/97	22:26
DCB for AR1248 #3	50	8307.5	8646.9	4.1	24.35 - 24.55	12/10/97	22:26

QPC7390B.XLS

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 3 1998

Signal #1 : C:\HPCHEM\1\DATA_B\BA0843.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_B\BA0843.D\ECD2B.CH
Acq On : 10 Dec 97 22:26 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:26 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	498352	314155	55.011	48.503
Spiked Amount 40.000 Range 43 - 150 Recovery =					137.53%	121.26%
2) SA Decachlorobiphen	29.12	24.45	746948	438245	49.635	49.142
Spiked Amount 40.000 Range 24 - 154 Recovery =					124.09%	122.86%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.59	10.25	192467	395738	992.122	950.130
21) L5 Aroclor-1248{2}	11.90	12.17	570500	319090	1019.711	941.599
22) L5 Aroclor-1248{3}	13.19	12.47	408510	297154	988.367	938.756
23) L5 Aroclor-1248{4}	14.07	13.40	469440	242231	945.811	900.224
24) L5 Aroclor-1248{5}	16.08	15.47	371366	118440	985.020	940.359
Sum Aroclor-1248			2012284	1372654	4931.031	4671.069
Average Aroclor-1248					986.206	934.214
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

901

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0843A.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0843A.D\ECD2B.CH
Acq On : 10 Dec 97 22:26 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:49 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13f	5.95	492434	310789	52.934m	51.432
Spiked Amount 40.000 Range 43 - 150 Recovery =					132.34%	128.58%
2) SA Decachlorobiphen	29.12	24.45	746948	432344	49.460	52.042
Spiked Amount 40.000 Range 24 - 154 Recovery =					123.65%	130.11%

Target Compounds

7/30/98

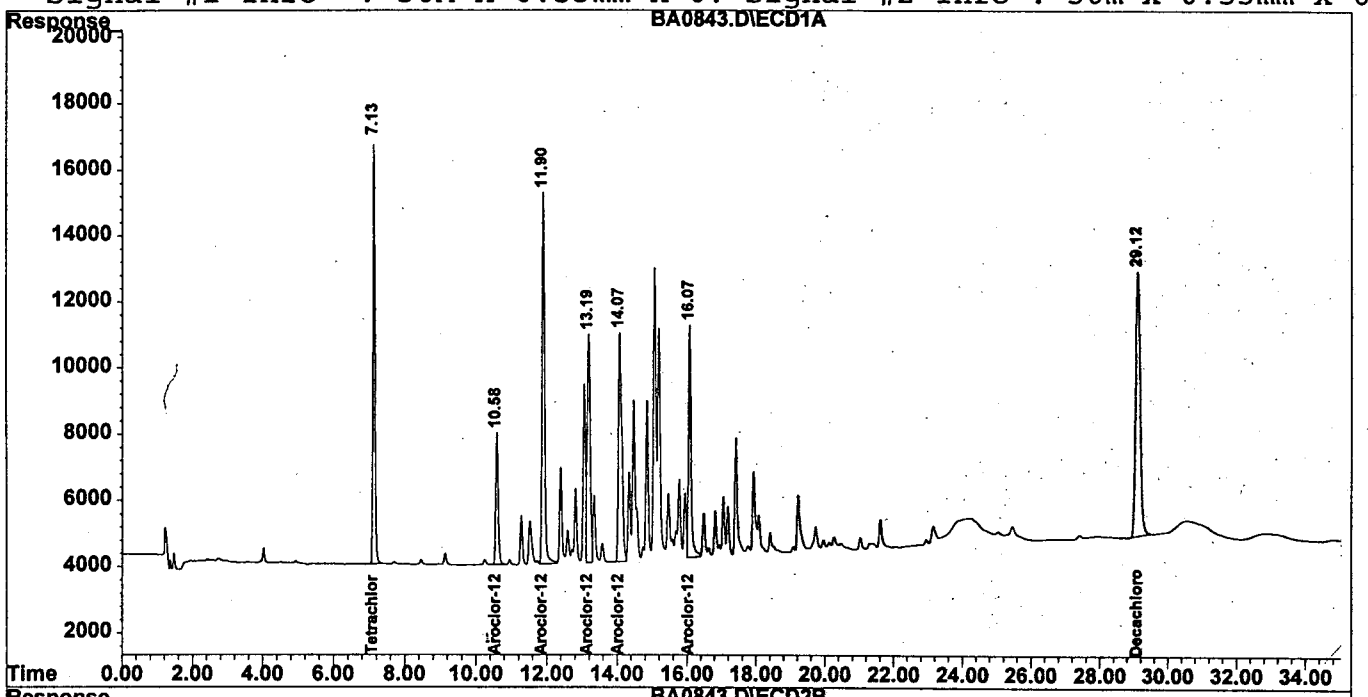
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

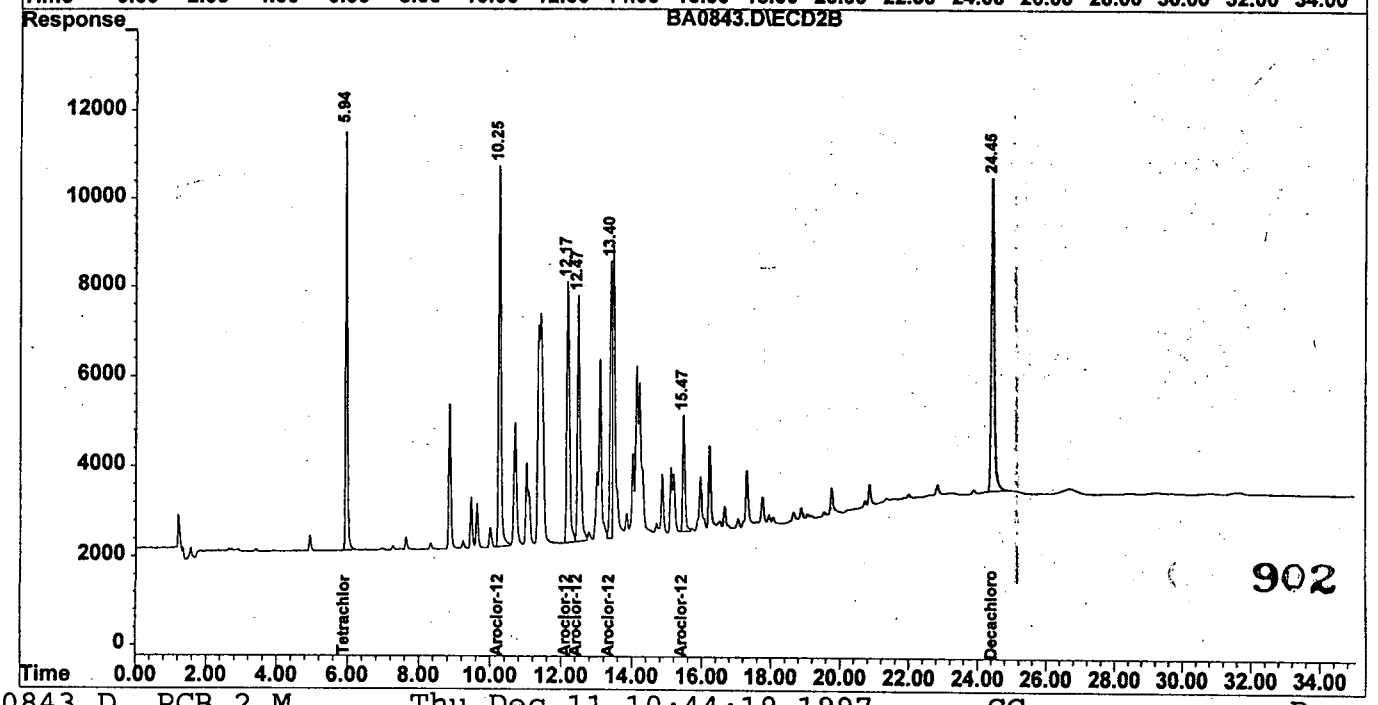
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0843.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_B\BA0843.D\ECD2B.CH
Acq On : 10 Dec 97 22:26 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:26 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





902

Quantitation Report

AMENDED REPORT JUN 0 2 1998

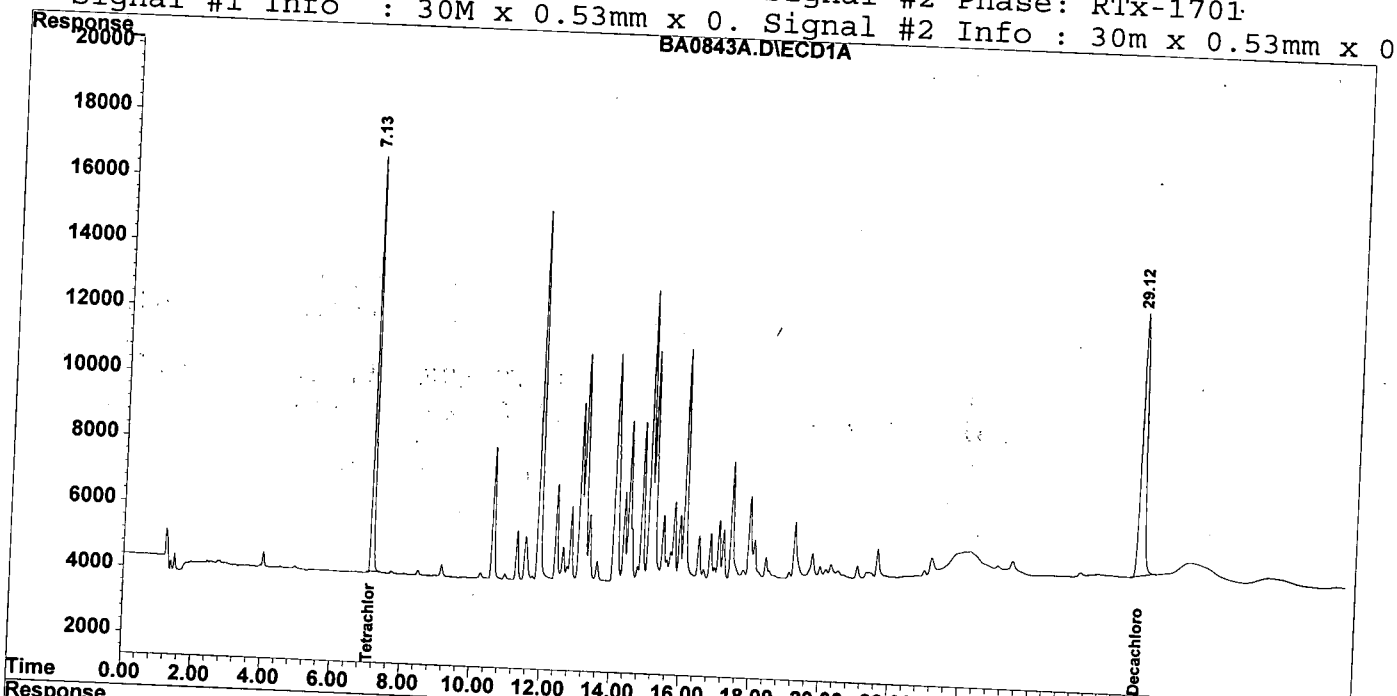
Signal #1 : E:\WESTDA~1\BA0843A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0843A.D\ECD2B.CH
Acq On : 10 Dec 97 22:26
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:49 1998 Quant Results File: SURRB.RES

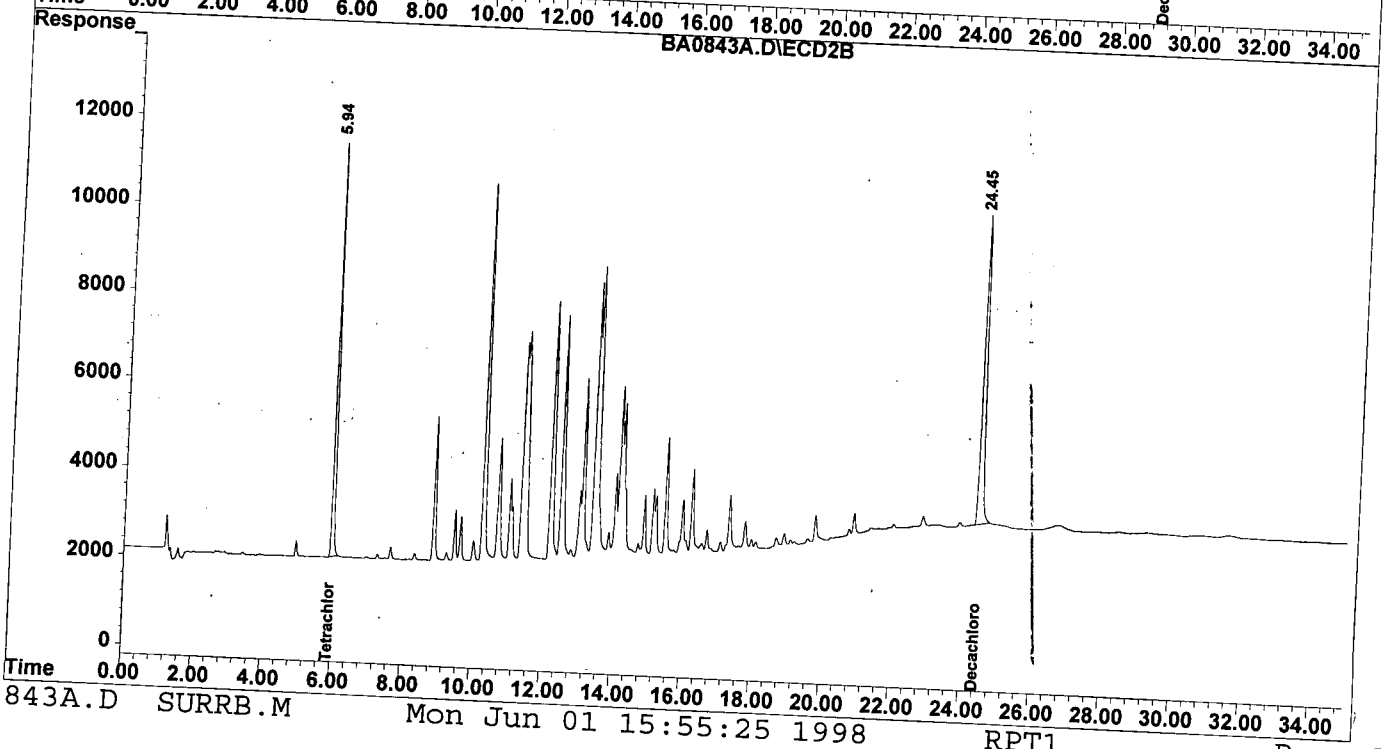
Vial: 1

Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50
Signal #1 Info : 30M x 0.53mm x 0.
Signal #2 Phase: RTx-1701
Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	9302.7	9505.7	2.2	7.08 - 7.18	12/11/97	3:35
DCB for AR1660 #3	50	15102.0	14422.4	4.5	29.03 - 29.23	12/11/97	3:35

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	6042.7	6097.1	0.9	5.90 - 6.00	12/11/97	3:35
DCB for AR1660 #3	50	8307.5	8452.5	1.7	24.36 - 24.56	12/11/97	3:35

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0851.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0851.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

%D all ok

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	485290	307761	53.570	47.516
Spiked Amount 40.000 Range 43 - 150 Recovery =					133.93%	118.79%
2) SA Decachlorobiphen	29.13	24.46	719729	431475	47.826	48.383
Spiked Amount 40.000 Range 24 - 154 Recovery =					119.57%	120.96%
Target Compounds						
3) L1 Aroclor-1016{1}	9.14	8.85	228418	300315	1073.079	1031.949
4) L1 Aroclor-1016{2}	10.59	10.25	465277	585023	986.840	1033.452
5) L1 Aroclor-1016{3}	11.90	10.69	854893	281701	1039.340	1051.352
6) L1 Aroclor-1016{4}	12.40	12.18	299762	268165	1070.692	1045.318
7) L1 Aroclor-1016{5}	13.20	14.03	339338	159398	1039.226	1080.814
Sum Aroclor-1016			2187689	1594603	5209.177	5242.885
Average Aroclor-1016					1041.835	1048.577
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260{1}	18.01	15.97	529651	350893	1017.695	1029.537
31) L7 Aroclor-1260{2}	18.42	16.67	645492	435788	1048.647	1071.930
32) L7 Aroclor-1260{3}	19.97	17.76	522705	591172	1145.562	1146.256
33) L7 Aroclor-1260{4}	21.04	19.77	483041	707159	1036.698	1129.377
34) L7 Aroclor-1260{5}	21.62	20.88	1343378	495865	1042.086	1049.800
Sum Aroclor-1260			3524267	2580877	5290.689	5426.900
Average Aroclor-1260					1058.138	1085.380

903

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0851A.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDA~1\BA0851A.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:49 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	475283	304856	51.091m	50.450
Spiked Amount 40.000 Range 43 - 150 Recovery =					127.73%	126.13%
2) SA Decachlorobiphen	29.13	24.46	721121	422627	47.750	50.873
Spiked Amount 40.000 Range 24 - 154 Recovery =					119.38%	127.18%
Target Compounds						

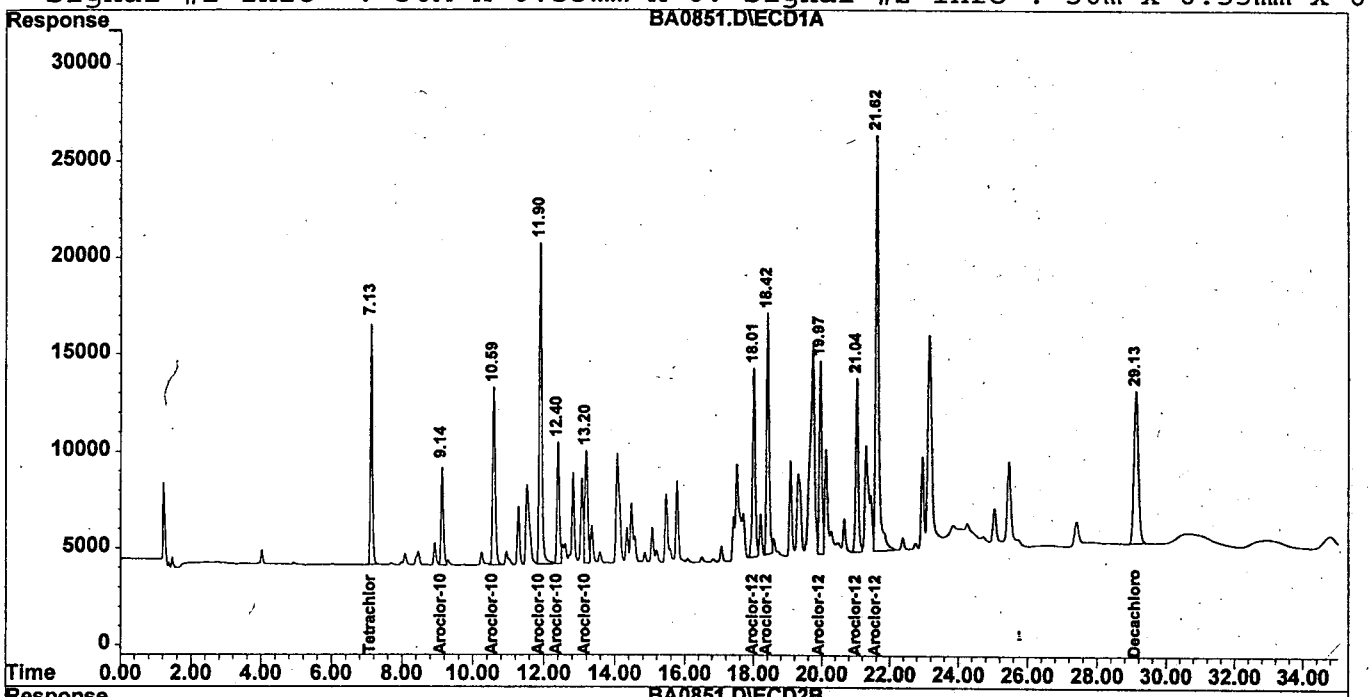
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

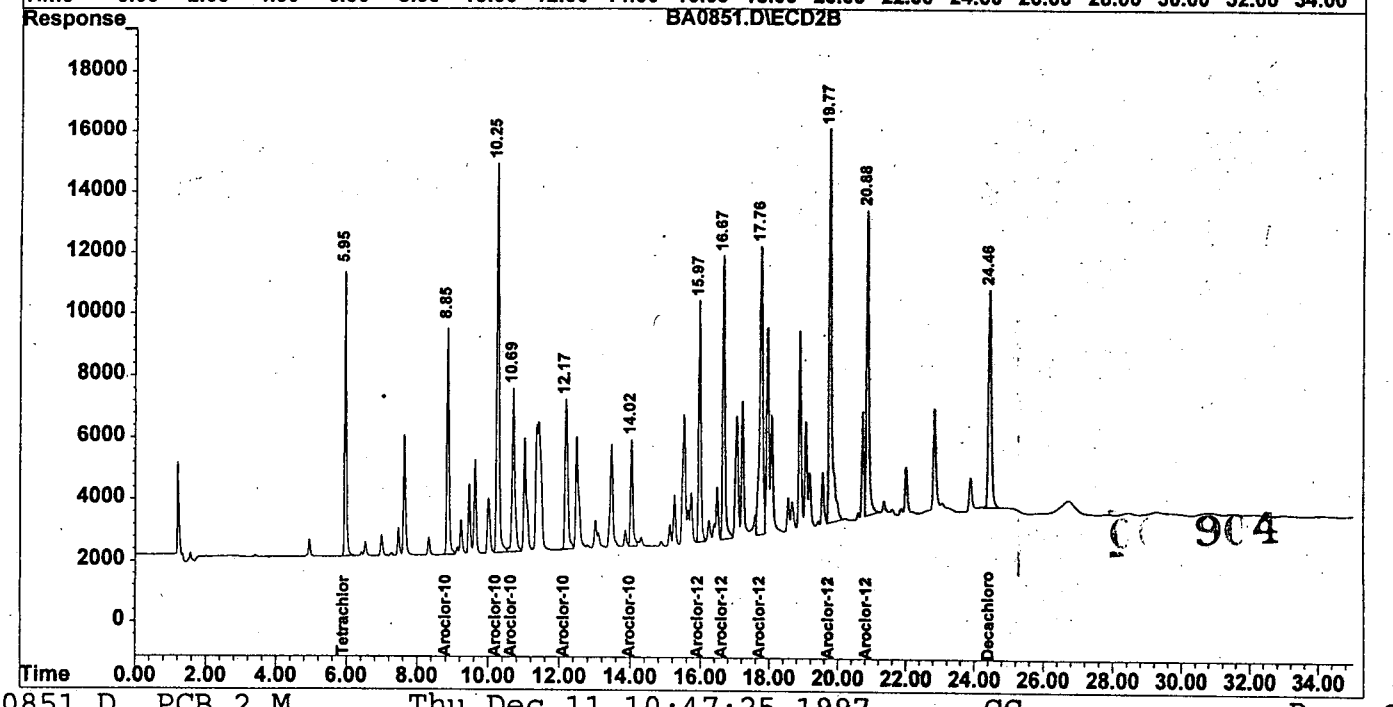
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0851.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_B\BA0851.D\ECD2B.CH
Acq On : 11 Dec 97 3:35 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





C 904

Quantitation Report

AMENDED REPORT JUN 0 2 1998

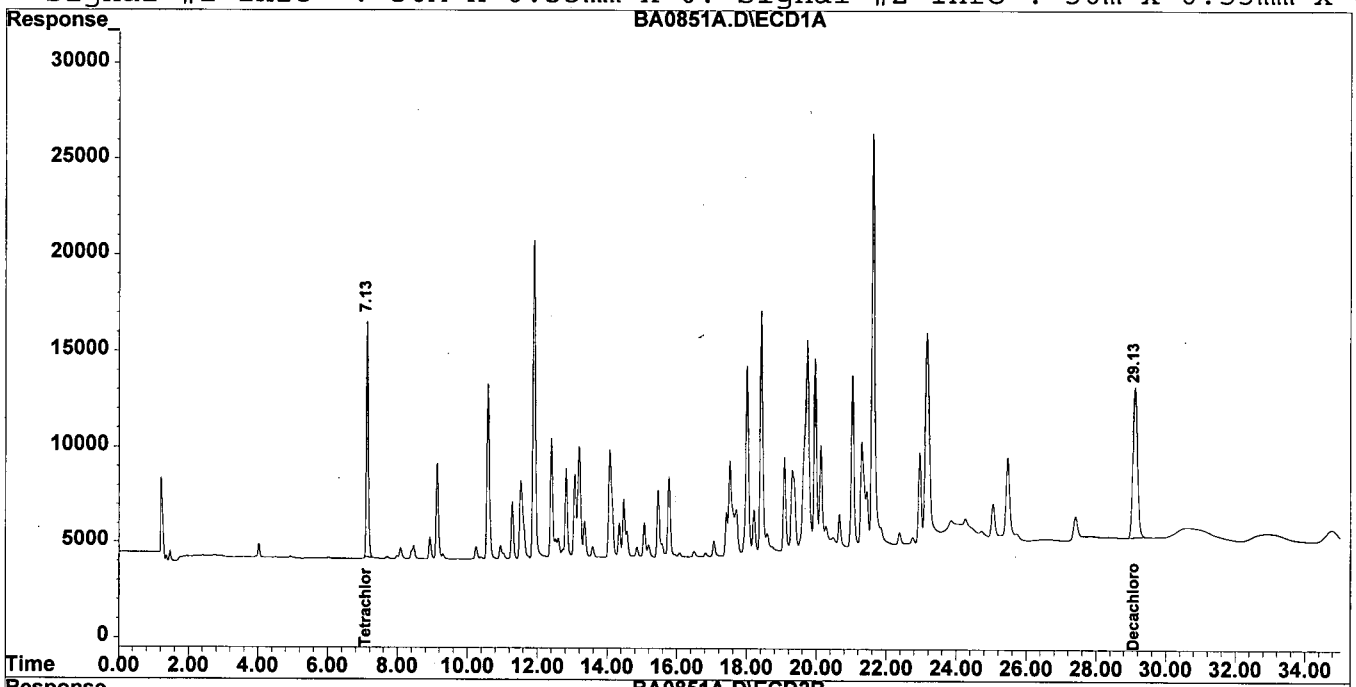
Signal #1 : E:\WESTDA~1\BA0851A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0851A.D\ECD2B.CH
Acq On : 11 Dec 97 3:35
Sample : AR1660 #3
Misc :

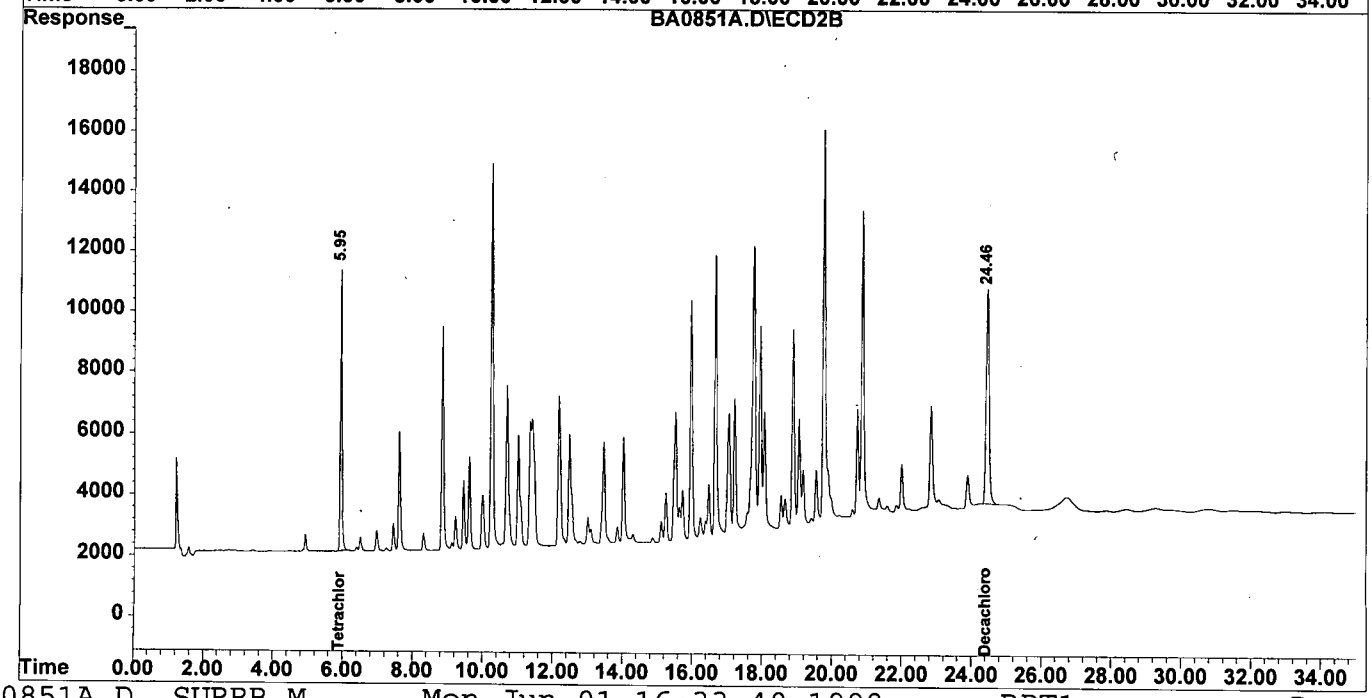
Vial: 9
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:49 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





904A

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	8937.0	3.9	7.18 - 7.28	12/11/97	10:51
Decachlorobiphenyl	50	15102.0	13213.9	12.5	29.07 - 29.27	12/11/97	10:51
Aroclor-1254-1	1000	135.7	113.0	16.7	14.08 - 14.22	12/11/97	10:51
Aroclor-1254-2	1000	383.6	323.2	15.7	15.46 - 15.60	12/11/97	10:51
Aroclor-1254-3	1000	526.4	449.9	14.5	15.77 - 15.91	12/11/97	10:51
Aroclor-1254-4	1000	428.8	322.8	24.7	18.39 - 18.53	12/11/97	10:51
Aroclor-1254-5	1000	868.4	655.9	24.5	19.71 - 19.85	12/11/97	10:51

QPC7393B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042. 7	5987.3	0.9	5.91 - 6.01	12/11/97	10:51
Decachlorobiphenyl	50	8307. 5	8244.1	0.8	24.37 - 24.57	12/11/97	10:51
Aroclor-1254-1	1000	222.2	206.1	7.3	11.29 - 11.43	12/11/97	10:51
Aroclor-1254-2	1000	419.1	373.4	10.9	13.40 - 13.54	12/11/97	10:51
Aroclor-1254-3	1000	149.9	131.2	12.5	14.81 - 14.95	12/11/97	10:51
Aroclor-1254-4	1000	497.3	436.0	12.3	15.42 - 15.56	12/11/97	10:51
Aroclor-1254-5	1000	479.2	417.3	12.9	17.71 - 17.85	12/11/97	10:51

QPC7393B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 6 1998

Signal #1 : E:\WESTDA~1\BA0852.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0852.D\ECD2B.CH
Acq On : 11 Dec 97 10:51 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:20 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.23	5.96	444860	299365	23.740m	23.403
Spiked Amount 40.000 Range 43 - 150 Recovery =					59.35%	58.51%
2) SA Decachlorobiphen	29.17	24.47	660697	412205	29.960	44.376 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					74.90%	110.94%
Target Compounds						
3) L6 Aroclor-1254{1}	14.15	11.36	112995	206072	832.755	927.483
4) L6 Aroclor-1254{2}	15.53	13.47	323198	373444	842.579m	891.044
5) L6 Aroclor-1254{3}	15.84	14.88	449922	131242	854.775	875.350
6) L6 Aroclor-1254{4}	18.46	15.49	322803	435997	752.840	876.658
7) L6 Aroclor-1254{5}	19.78	17.78	655911	417332	755.280	870.949
Sum Aroclor-1254			1864829	1564086	4038.229	4441.483
Average Aroclor-1254					807.646	888.297

907

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0852A.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0852A.D\ECD2B.CH
Acq On : 11 Dec 97 10:51 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.23	5.96	446848	299365	48.034	49.541
Spiked Amount 40.000 Range 43 - 150 Recovery =					120.09%	123.85%
2) SA Decachlorobiphen	29.17	24.47	660697	412205	43.749	49.618
Spiked Amount 40.000 Range 24 - 154 Recovery =					109.37%	124.05%
Target Compounds						

JK 5/30/98

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

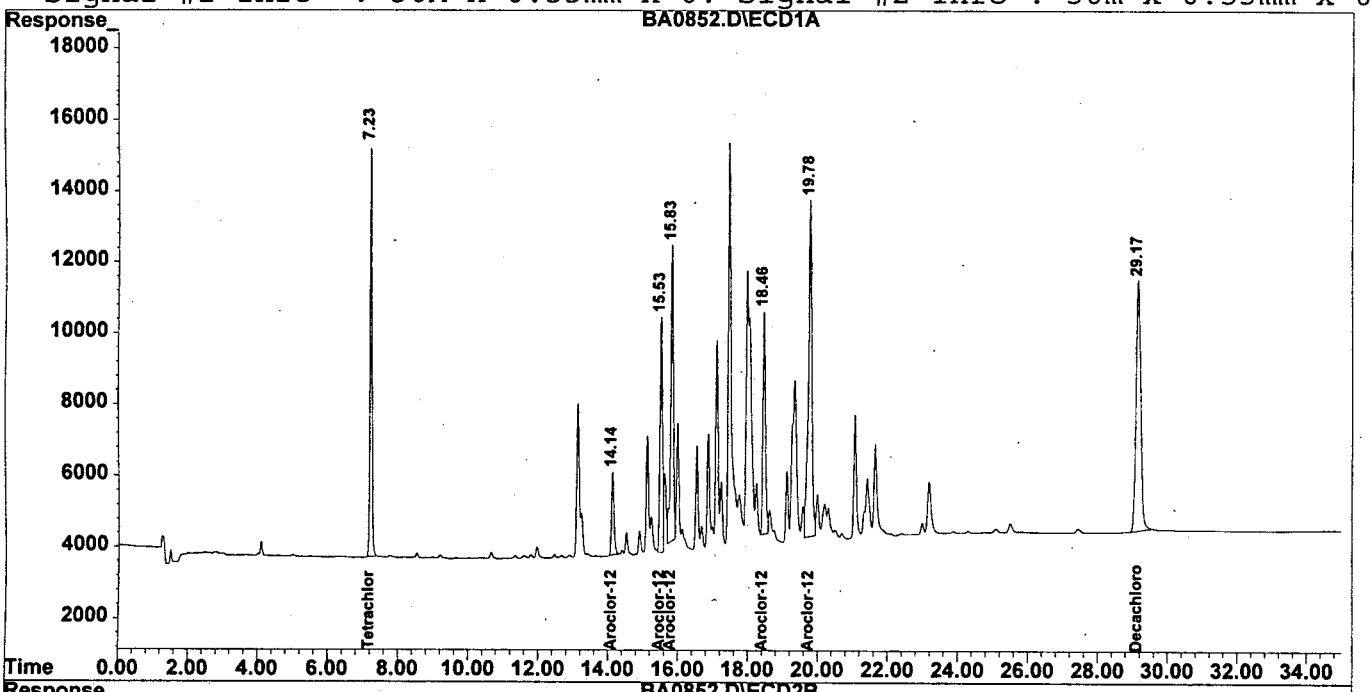
Quantitation Report

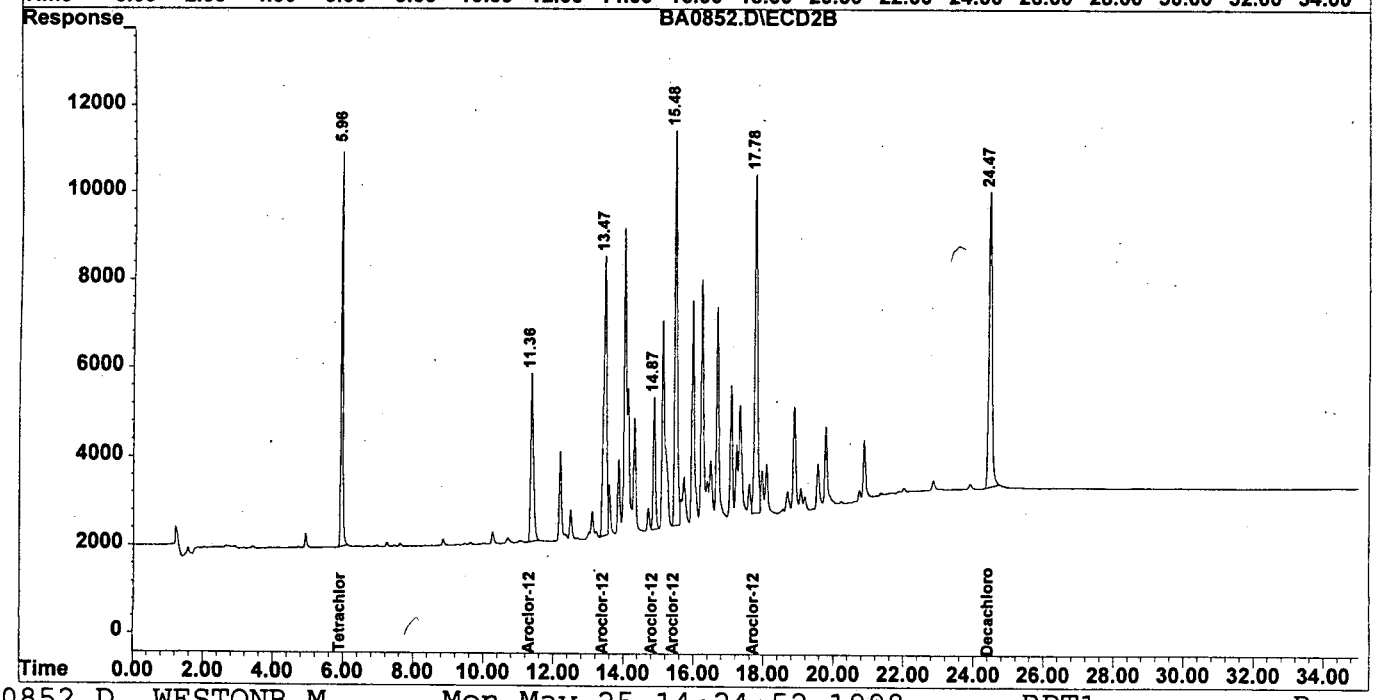
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0852.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0852.D\ECD2B.CH
Acq On : 11 Dec 97 10:51 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:20 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





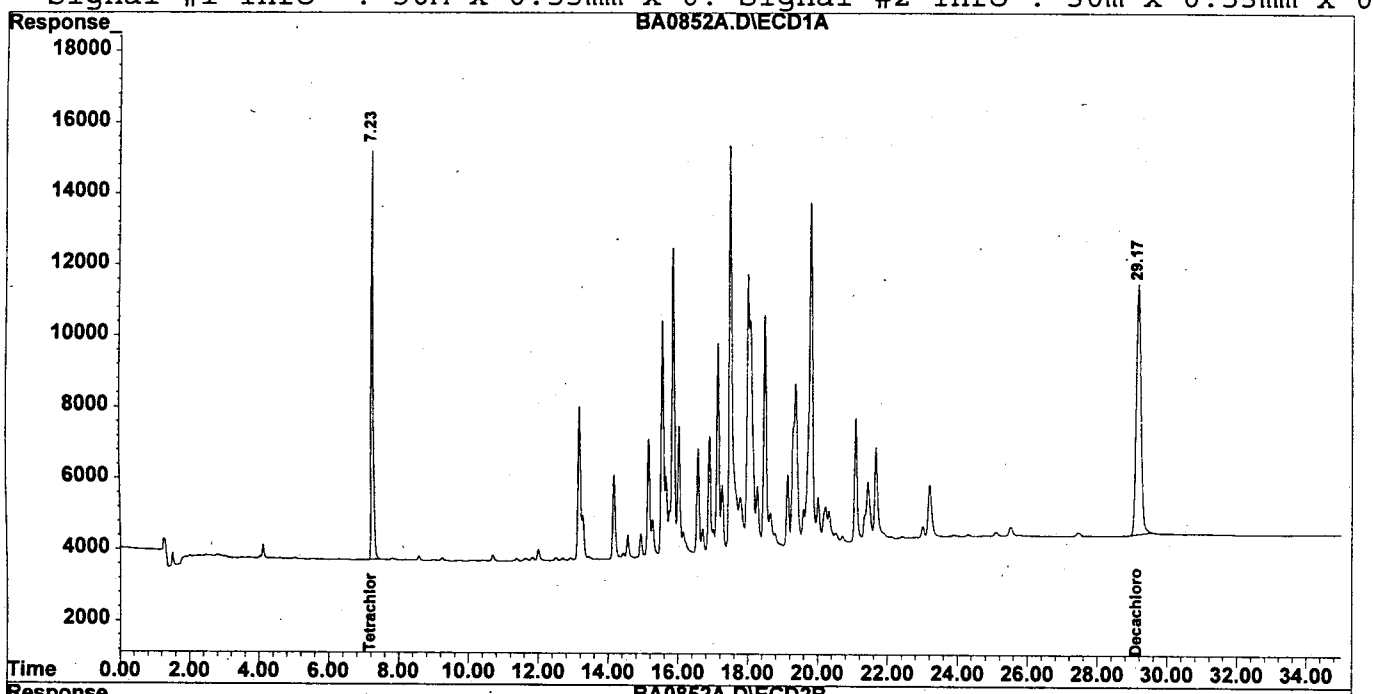
Quantitation Report

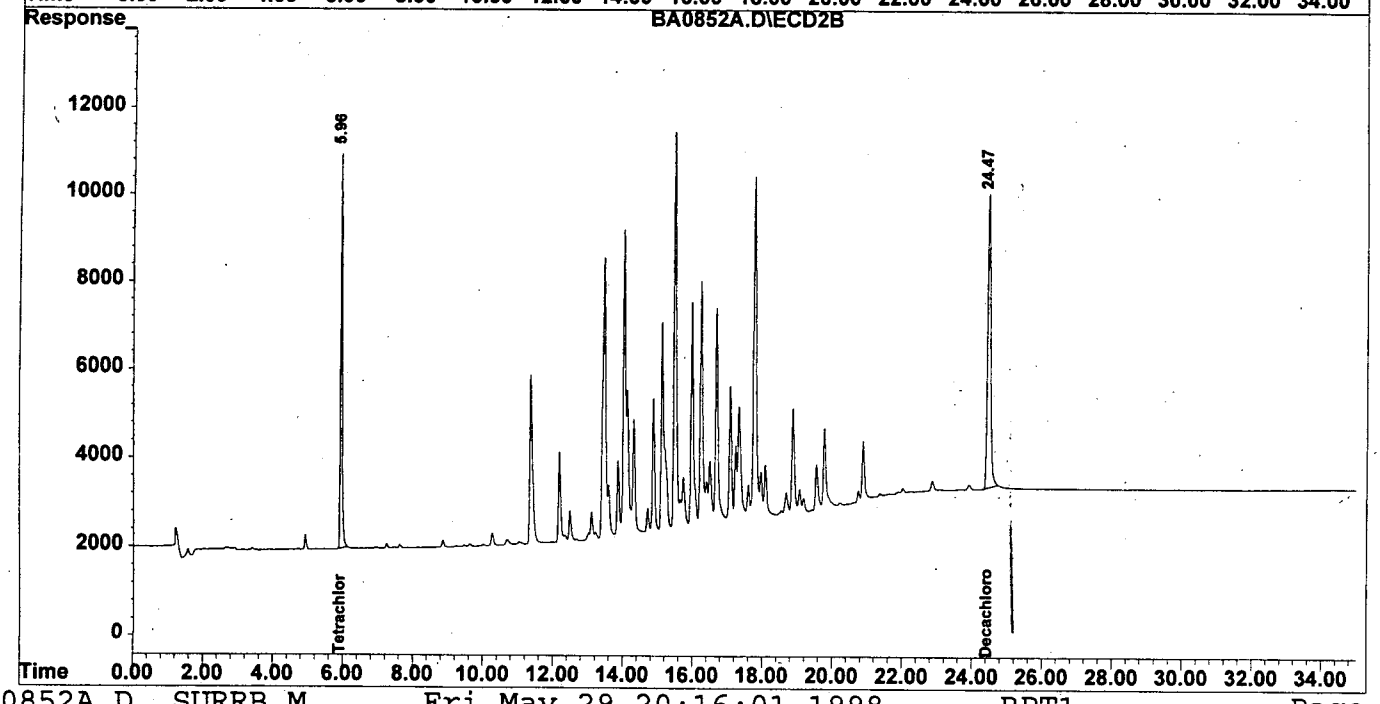
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0852A.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0852A.D\ECD2B.CH
Acq On : 11 Dec 97 10:51 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





9084

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	9122.5	0.7	7.15 - 7.25	12/11/97	18:17
Decachlorobiphenyl	50	15048.6	12744.7	15.3	29.05 - 29.25	12/11/97	18:17
Aroclor-1248-1	1000	194.0	170.9	11.9	10.58 - 10.72	12/11/97	18:17
Aroclor-1248-2	1000	559.5	510.0	8.8	11.88 - 12.02	12/11/97	18:17
Aroclor-1248-3	1000	413.3	378.2	8.5	13.17 - 13.31	12/11/97	18:17
Aroclor-1248-4	1000	496.3	423.4	14.7	14.05 - 14.19	12/11/97	18:17
Aroclor-1248-5	1000	377.0	321.9	14.6	16.05 - 16.19	12/11/97	18:17

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	9114.4	2.0	7.15 - 7.25	12/11/97	18:17
DCB for AR1248 #3	50	15102.0	12744.7	15.6	29.05 - 29.25	12/11/97	18:17

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	6150.1	5.0	5.90 - 6.00	12/11/97	18:17
Decachlorobiphenyl	50	8917.9	8998.9	0.9	24.37 - 24.57	12/11/97	18:17
Aroclor-1248-1	1000	416.5	388.0	6.9	10.19 - 10.33	12/11/97	18:17
Aroclor-1248-2	1000	338.9	316.1	6.7	12.11 - 12.25	12/11/97	18:17
Aroclor-1248-3	1000	316.5	292.0	7.7	12.41 - 12.55	12/11/97	18:17
Aroclor-1248-4	1000	269.1	235.4	12.5	13.34 - 13.48	12/11/97	18:17
Aroclor-1248-5	1000	126.0	115.1	8.7	15.41 - 15.55	12/11/97	18:17

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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	6092.6	0.8	5.90 - 6.00	12/11/97	18:17
DCB for AR1248 #3	50	8307.5	9025.7	8.6	24.37 - 24.57	12/11/97	18:17

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0863.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0863.D\ECD2B.CH
Acq On : 11 Dec 97 18:17 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:55 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.20	5.95	456127	307503	50.350	47.476
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.88%	118.69%
2) SA Decachlorobiphen	29.15	24.47	637234	449944	42.345	50.454
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.86%	126.14%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.65	10.26	170898	387979	880.936	931.500
21) L5 Aroclor-1248{2}	11.95	12.18	510002	316080	911.576	932.717
22) L5 Aroclor-1248{3}	13.24	12.48	378182	292009	914.990m	922.502
23) L5 Aroclor-1248{4}	14.12	13.41	423402	235362	853.055m	874.696
24) L5 Aroclor-1248{5}	16.12	15.48	321902	115055	853.821m	913.484
Sum Aroclor-1248			1804386	1346485	4414.378	4574.900
Average Aroclor-1248					882.876	914.980
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

911

TRS 12/13/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0863A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0863A.D\ECD2B.CH
Acq On : 11 Dec 97 18:17
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:46 1998 Quant Results File: SURRB.RES

Vial: 12
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.20	5.95	455722	304629	48.988	50.412
Spiked Amount 40.000 Range 43 - 150 Recovery =					122.47%	126.03%
2) SA Decachlorobiphen	29.15	24.47	637234	451284	42.195	54.322 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.49%	135.81%
Target Compounds						

7/26/98

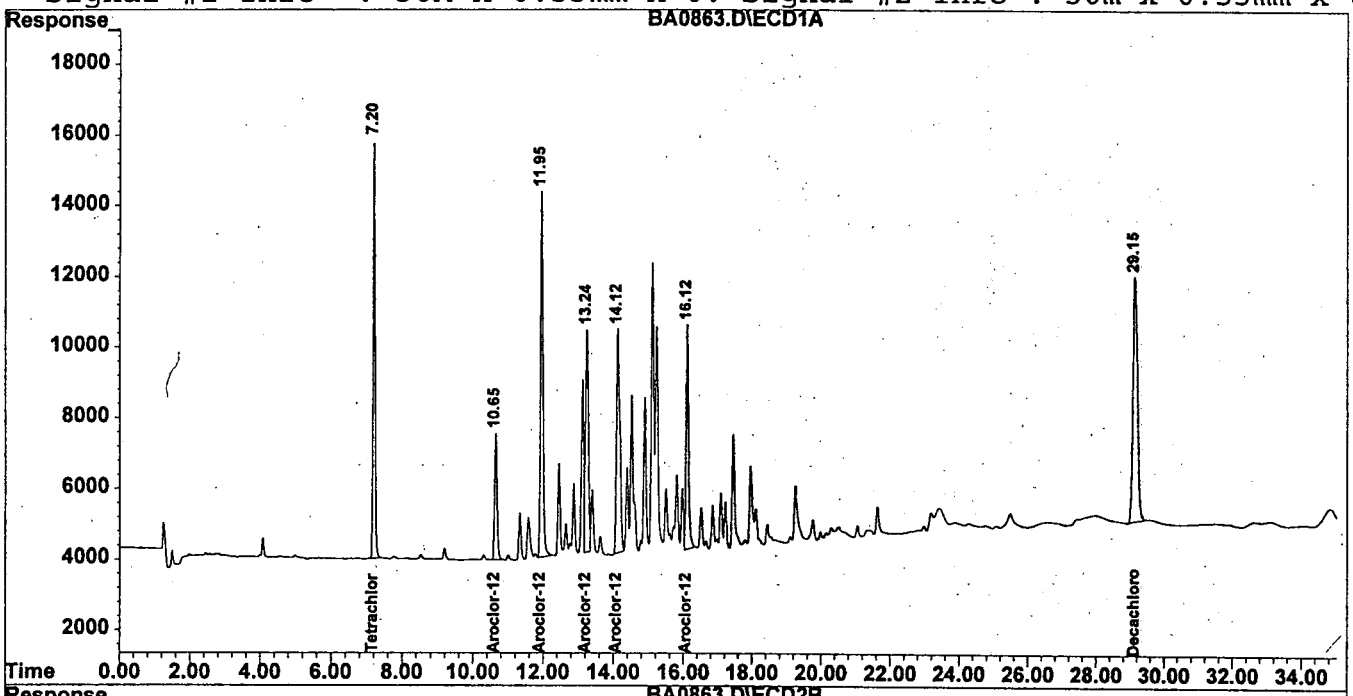
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

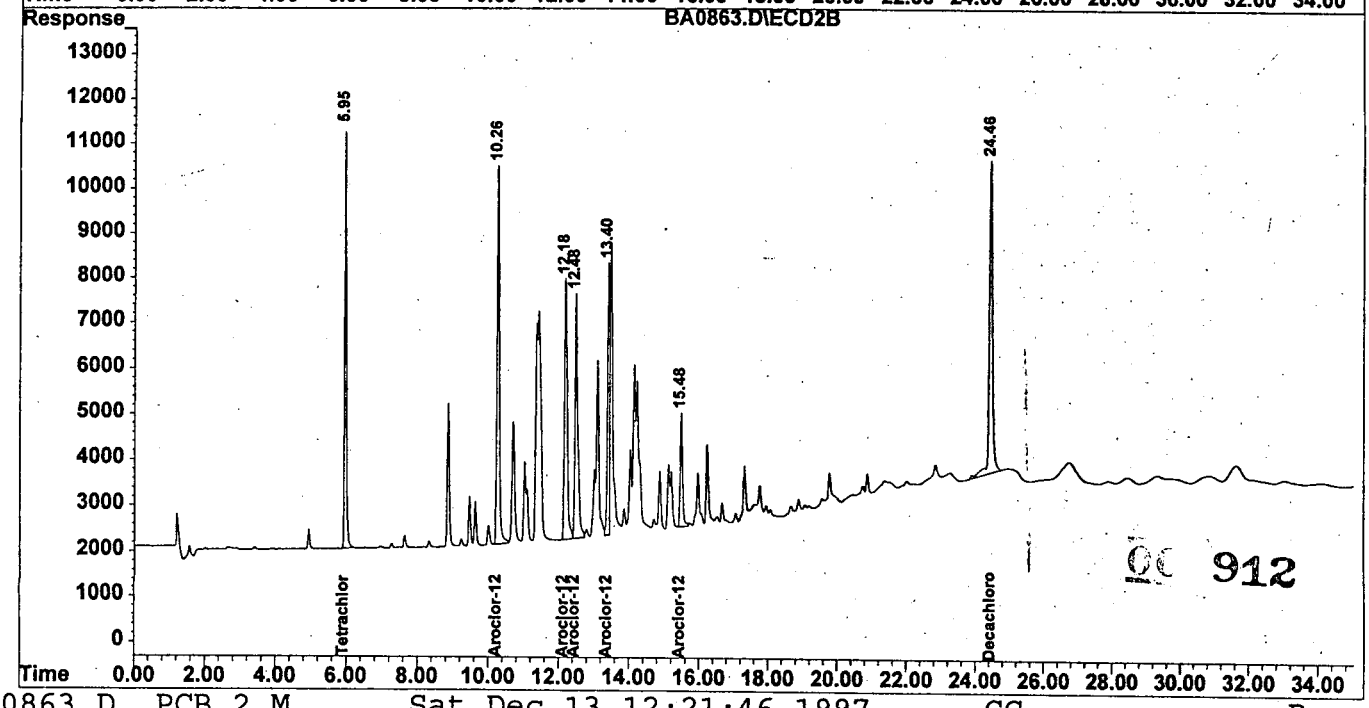
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0863.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_B\BA0863.D\ECD2B.CH
Acq On : 11 Dec 97 18:17 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:55 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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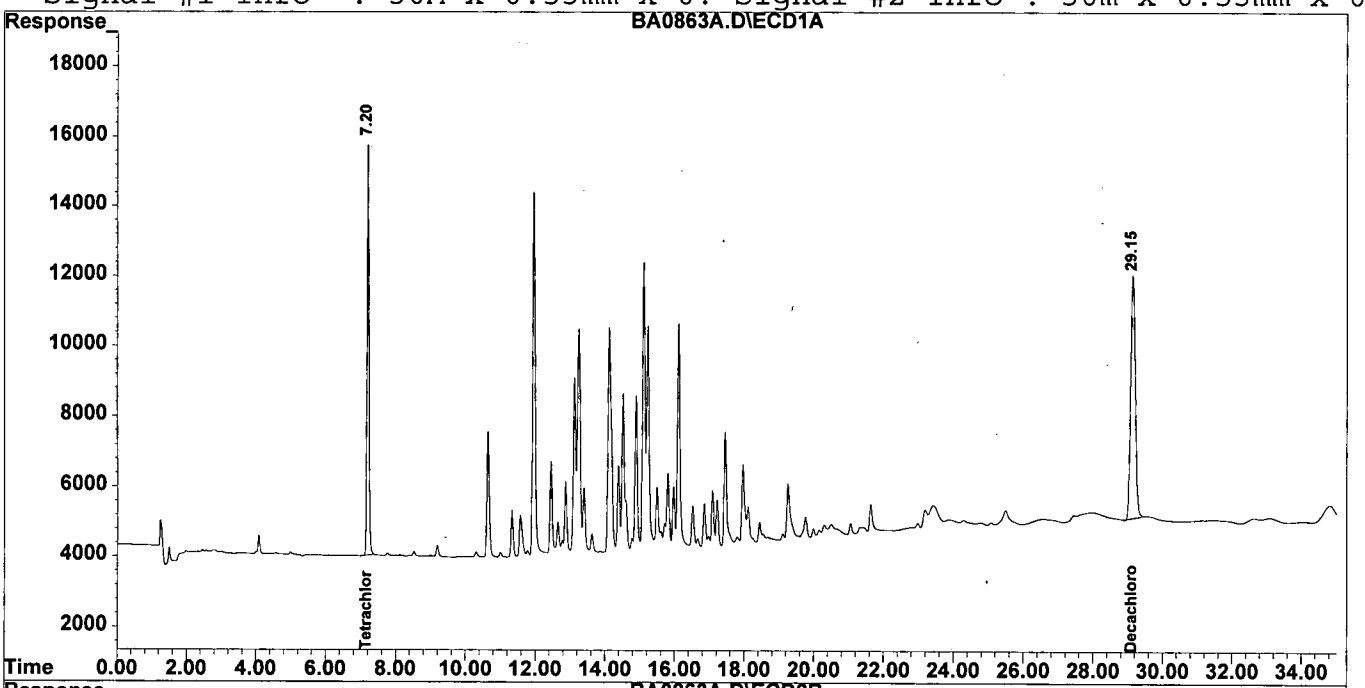
Quantitation Report

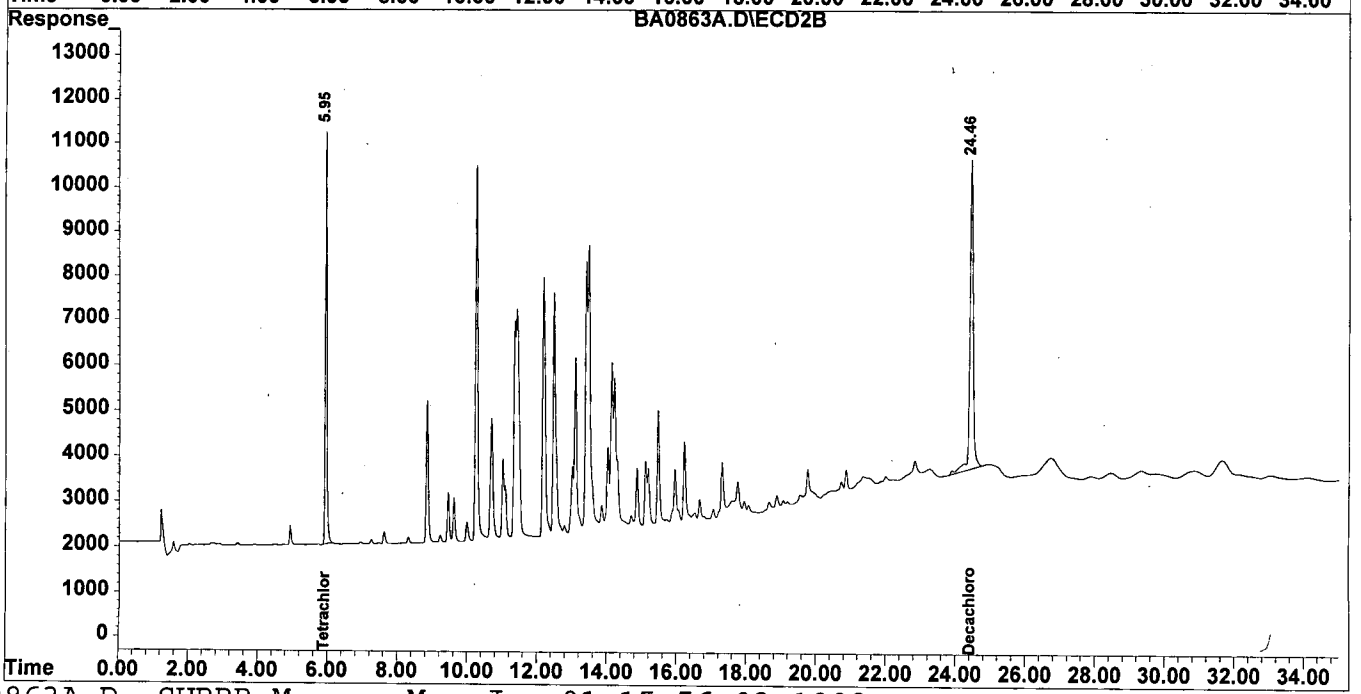
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0863A.D\ECD1A.CH Vial: 12
Signal #2 : E:\WESTDA~1\BA0863A.D\ECD2B.CH
Acq On : 11 Dec 97 18:17 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:46 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





912A

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.1	~~9847.6~~	8.7	7.11 - 7.21	12/12/97	2:31
Decachlorobiphenyl	50	15048.7	~~14491.6~~	3.7	29.04 - 29.24	12/12/97	2:31
Aroclor-1016-1	1000	212.9	227.7	7.0	9.09 - 9.23	12/12/97	2:31
Aroclor-1016-2	1000	471.5	469.2	0.5	10.54 - 10.68	12/12/97	2:31
Aroclor-1016-3	1000	822.5	813.9	1.0	11.85 - 11.99	12/12/97	2:31
Aroclor-1016-4	1000	280.0	283.1	1.1	12.35 - 12.49	12/12/97	2:31
Aroclor-1016-5	1000	326.5	336.1	2.9	13.15 - 13.29	12/12/97	2:31
Aroclor-1260-1	1000	520.4	564.3	8.4	17.95 - 18.09	12/12/97	2:31
Aroclor-1260-2	1000	615.5	686.4	11.5	18.36 - 18.50	12/12/97	2:31
Aroclor-1260-3	1000	456.3	520.5	14.1	19.91 - 20.05	12/12/97	2:31
Aroclor-1260-4	1000	465.9	487.7	4.7	20.98 - 21.12	12/12/97	2:31
Aroclor-1260-5	1000	1289.1	1314.4	2.0	21.56 - 21.70	12/12/97	2:31

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	9302.7	9507.4	2.2	7.11 - 7.21	12/12/97	2:31
DCB for AR1660 #3	50	15102.0	14487.6	4.1	29.04 - 29.24	12/12/97	2:31

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.1	6219.1	4.0	5.90 - 6.00	12/12/97	2:31
Decachlorobiphenyl	50	8917.8	8439.8	5.4	24.36 - 24.56	12/12/97	2:31
Aroclor-1016-1	1000	291.0	306.0	5.1	8.78 - 8.92	12/12/97	2:31
Aroclor-1016-2	1000	566.1	586.5	3.6	10.19 - 10.33	12/12/97	2:31
Aroclor-1016-3	1000	267.9	286.3	6.8	10.63 - 10.77	12/12/97	2:31
Aroclor-1016-4	1000	256.5	271.9	6.0	12.11 - 12.25	12/12/97	2:31
Aroclor-1016-5	1000	147.5	161.0	9.2	13.96 - 14.10	12/12/97	2:31
Aroclor-1260-1	1000	340.8	355.9	4.4	15.90 - 16.04	12/12/97	2:31
Aroclor-1260-2	1000	406.5	436.7	7.4	16.60 - 16.74	12/12/97	2:31
Aroclor-1260-3	1000	515.7	562.7	9.1	17.69 - 17.83	12/12/97	2:31
Aroclor-1260-4	1000	626.1	687.8	9.8	19.70 - 19.84	12/12/97	2:31
Aroclor-1260-5	1000	0.9	1.0	9.5	20.81 - 20.95	12/12/97	2:31

QPC7395.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1660 #3	50	6042.7	6162.3	2.0	5.90 - 6.00	12/12/97	2:31
DCB for AR1660 #3	50	8307.5	8361.4	0.6	24.36 - 24.56	12/12/97	2:31

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0874.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0874.D\ECD2B.CH
Acq On : 12 Dec 97 2:31 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:07 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.16	5.95	492380	310957	54.352	48.009
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.88%	120.02%
2) SA Decachlorobiphen	29.14	24.46	724578	421991	48.149	47.320
Spiked Amount 40.000 Range 24 - 154 Recovery =					120.37%	118.30%
Target Compounds						
3) L1 Aroclor-1016{1}	9.16	8.85	227702	305966	1069.717	1051.366
4) L1 Aroclor-1016{2}	10.61	10.26	469222	586482	995.207	1036.030
5) L1 Aroclor-1016{3}	11.92	10.70	813922	286259	989.529	1068.363
6) L1 Aroclor-1016{4}	12.42	12.18	283089	271889	1011.140	1059.832
7) L1 Aroclor-1016{5}	13.22	14.03	336133	161018	1029.409	1091.798
Sum Aroclor-1016			2130068	1611614	5095.002	5307.389
Average Aroclor-1016					1019.000	1061.478
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
30) L7 Aroclor-1260{1}	18.02	15.97	564312	355869	1084.293	1044.138
31) L7 Aroclor-1260{2}	18.43	16.67	686417	436713	1115.132	1074.204
32) L7 Aroclor-1260{3}	19.98	17.76	520461	562666	1140.644	1090.984
33) L7 Aroclor-1260{4}	21.05	19.77	487730	687820	1046.761	1098.491
34) L7 Aroclor-1260{5}	21.63	20.88	1314421	517096	1019.623	1094.748
Sum Aroclor-1260			3573340	2560163	5406.454	5402.565
Average Aroclor-1260					1081.291	1080.513

915

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0874A.D\ECD1A.CH Vial : 23
Signal #2 : E:\WESTDA~1\BA0874A.D\ECD2B.CH
Acq On : 12 Dec 97 2:31 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:50 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.16	5.95	475370	308114	51.100m	50.989
Spiked Amount 40.000 Range 43 - 150 Recovery =					127.75%	127.47%
2) SA Decachlorobiphen	29.14	24.46	724382	418069	47.966	50.324
Spiked Amount 40.000 Range 24 - 154 Recovery =					119.92%	125.81%

Target Compounds

Jan 6/1/98

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

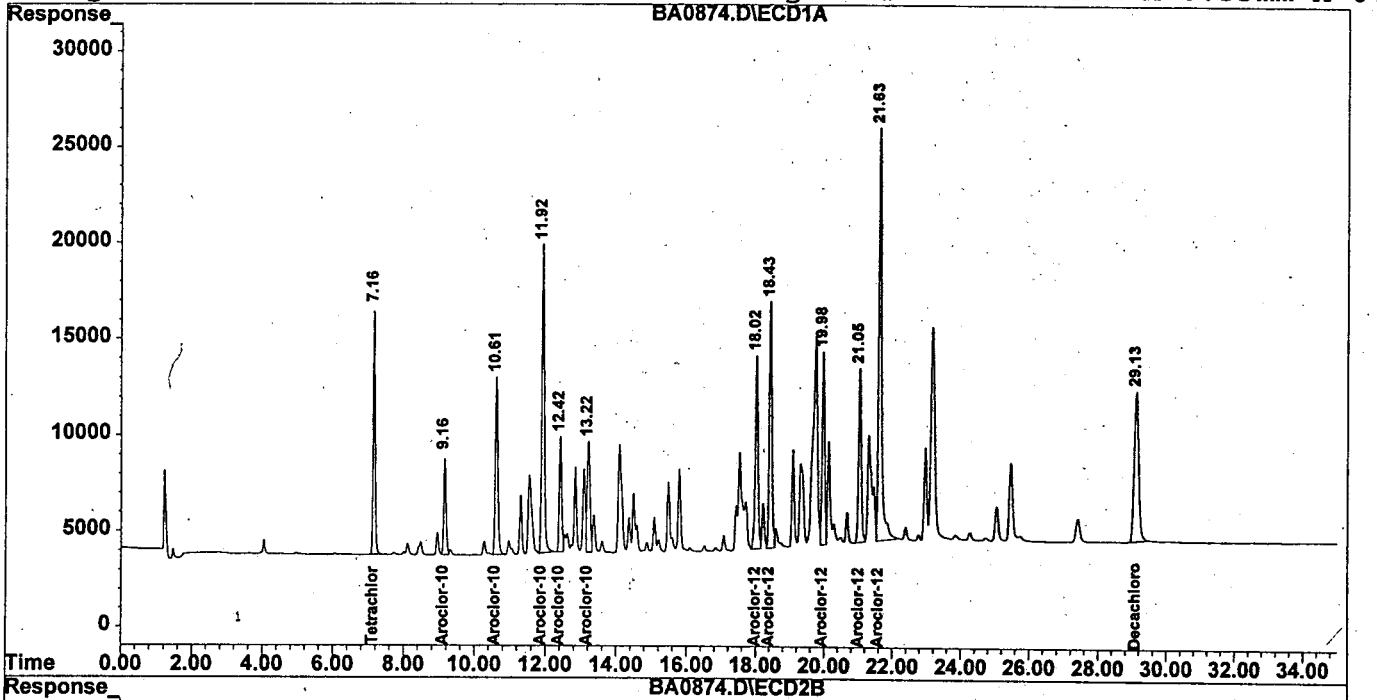
9 1 5A

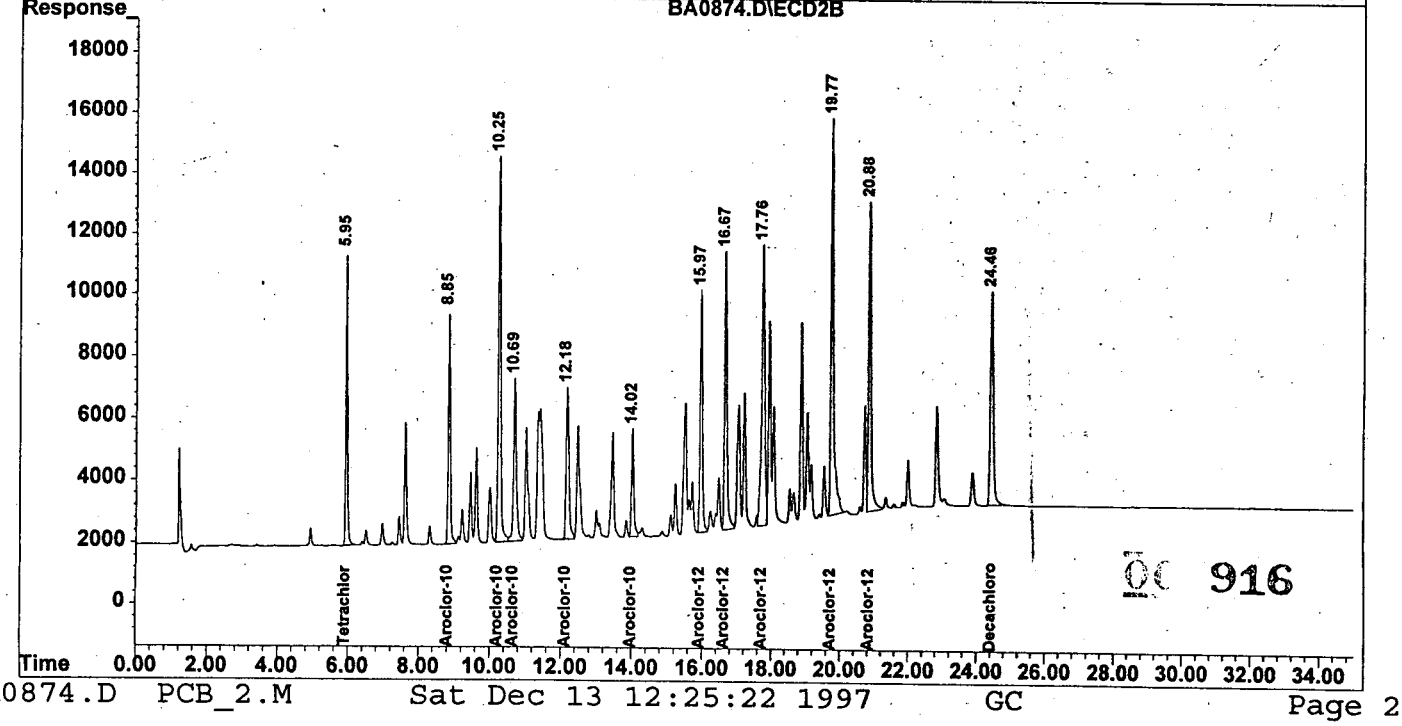
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0874.D\ECD1A.CH Vial: 23
Signal #2 : C:\HPCHEM\1\DATA_B\BA0874.D\ECD2B.CH
Acq On : 12 Dec 97 2:31 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 12:07 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





DC 916

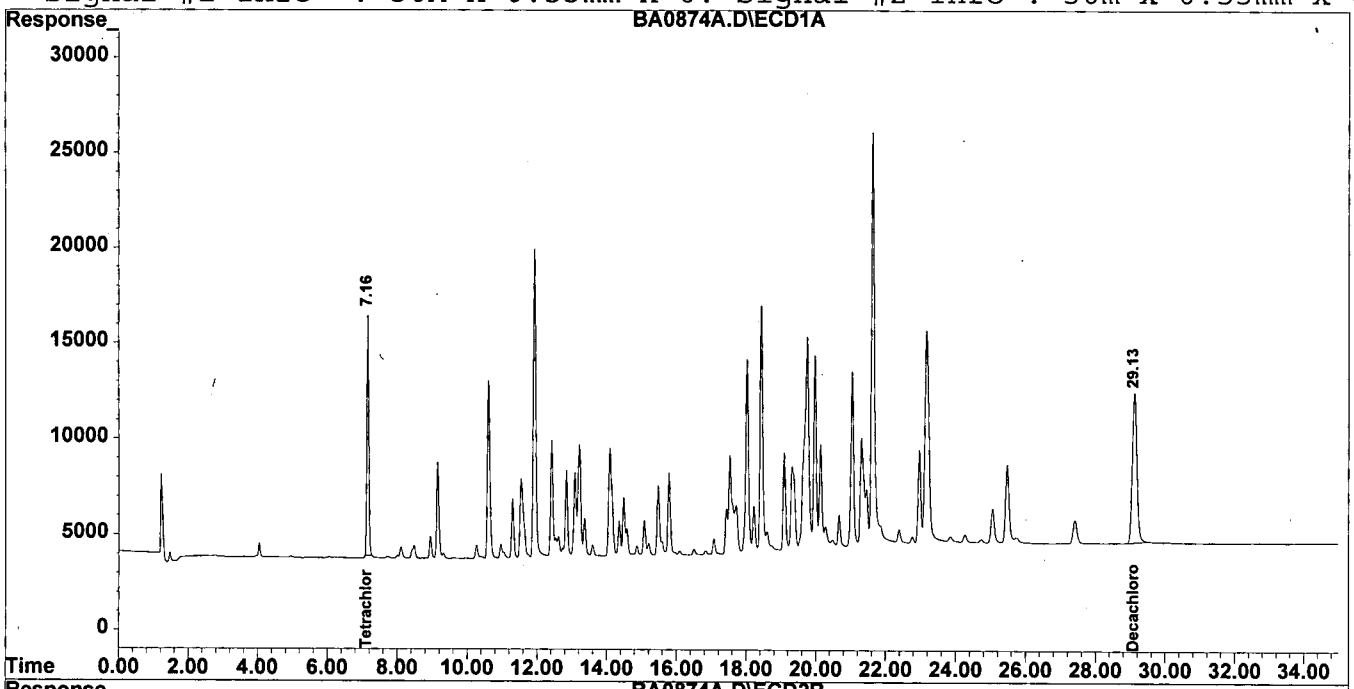
Quantitation Report

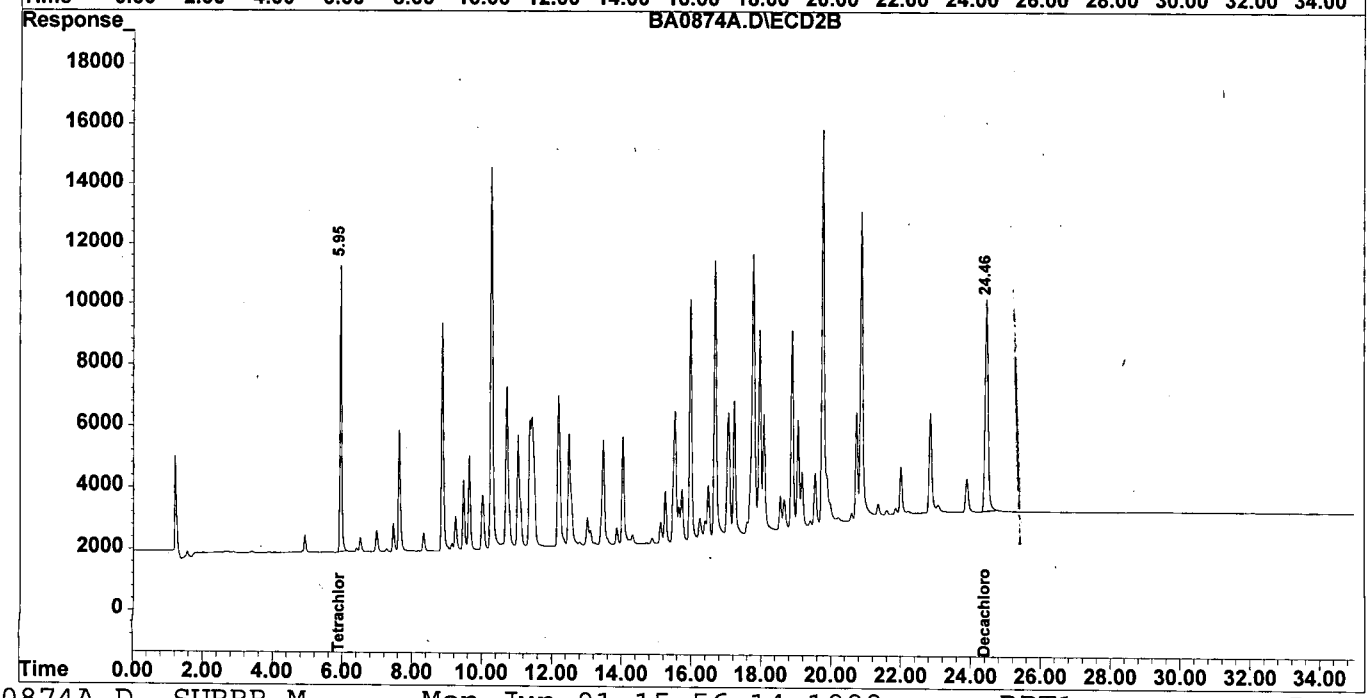
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0874A.D\ECD1A.CH Vial: 23
Signal #2 : E:\WESTDA~1\BA0874A.D\ECD2B.CH
Acq On : 12 Dec 97 2:31 Operator:
Sample : AR1660 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:50 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302. 7	10050.6	8.0	7.08 - 7.18	12/12/98	7:03
Decachlorobiphenyl	50	15102. 0	14746.9	2.4	29.03 - 29.23	12/12/98	7:03
Aroclor-1254-1	1000	135.7	131.9	2.8	14.01 - 14.15	12/12/98	7:03
Aroclor-1254-2	1000	383.6	344.4	10.2	15.40 - 15.54	12/12/98	7:03
Aroclor-1254-3	1000	526.4	492.7	6.4	15.71 - 15.85	12/12/98	7:03
Aroclor-1254-4	1000	428.8	358.4	16.4	18.35 - 18.49	12/12/98	7:03
Aroclor-1254-5	1000	868.4	722.9	16.8	19.68 - 19.82	12/12/98	7:03

PER 6/5 AS

9 1 6 AB

QPC7395B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6165.2	2.0	5.89 - 5.99	12/12/97	7:03
Decachlorobiphenyl	50	8307.5	8395.2	1.1	24.35 - 24.55	12/12/97	7:03
Aroclor-1254-1	1000	222.2	212.6	4.3	11.28 - 11.42	12/12/97	7:03
Aroclor-1254-2	1000	419.1	388.0	7.4	13.38 - 13.52	12/12/97	7:03
Aroclor-1254-3	1000	149.9	137.1	8.6	14.79 - 14.93	12/12/97	7:03
Aroclor-1254-4	1000	497.3	452.7	9.0	15.40 - 15.54	12/12/97	7:03
Aroclor-1254-5	1000	479.2	435.1	9.2	17.69 - 17.83	12/12/97	7:03

PWS 6/30/98

QPC7395B.XLS

9 1 6 BC

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0881.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDA~1\BA0881.D\ECD2B.CH
Acq On : 12 Dec 97 7:03 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:32 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94	492116	308258	26.261	24.099
Spiked Amount 40.000 Range 43 - 150 Recovery =					65.65%	60.25%
2) SA Decachlorobiphen	29.13	24.45	737346	419758	33.435	45.189 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					83.59%	112.97%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.35	131898	212597	972.066m	956.851
4) L6 Aroclor-1254{2}	15.47	13.45	344401	387975	897.857	925.715
5) L6 Aroclor-1254{3}	15.78	14.86	492746	137050	936.133	914.088
6) L6 Aroclor-1254{4}	18.42	15.47	358435	452699	835.941	910.241
7) L6 Aroclor-1254{5}	19.75	17.76	722859	435138	832.371	908.108
Sum Aroclor-1254			2050339	1625458	4474.367	4615.003
Average Aroclor-1254					894.873	923.001

917A

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0881A.D\ECD1A.CH Vial: 30
Signal #2 : E:\WESTDA~1\BA0881A.D\ECD2B.CH
Acq On : 12 Dec 97 7:03 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:30 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13f	5.94	502529	308258	54.020m	51.013
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.05%	127.53%
2) SA Decachlorobiphen	29.13	24.45	737346	419758	48.824	50.527
Spiked Amount 40.000 Range 24 - 154 Recovery =					122.06%	126.32%
Target Compounds						

917 A 5/31/98

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

Quantitation Report

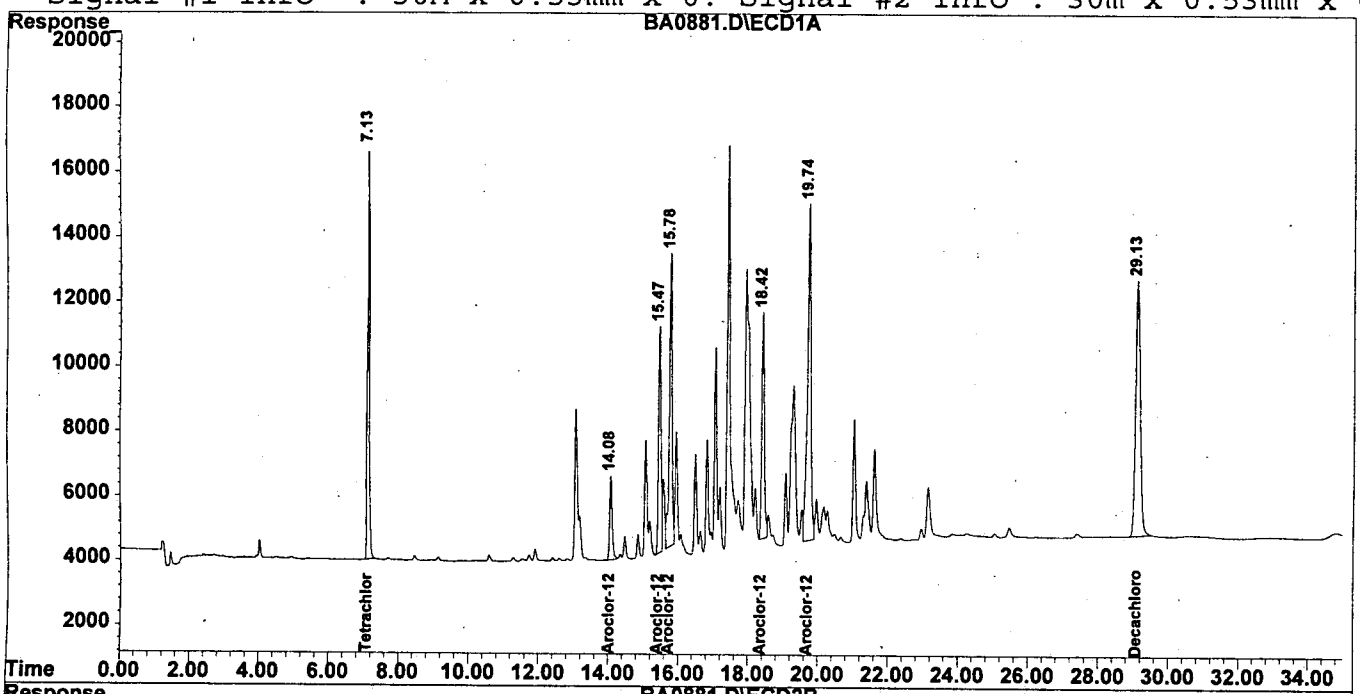
AMENDED REPORT MAY 3 0 1998

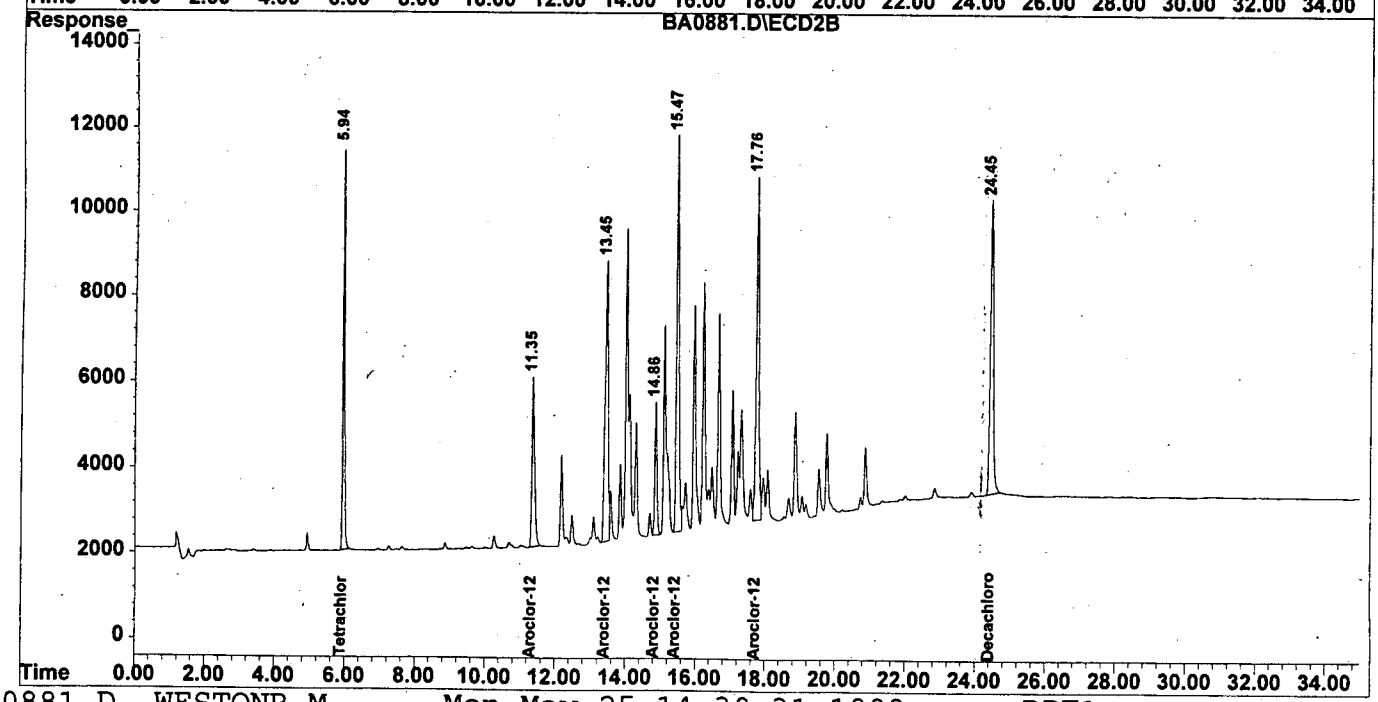
Signal #1 : E:\WESTDA~1\BA0881.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0881.D\ECD2B.CH
Acq On : 12 Dec 97 7:03
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:32 1998 Quant Results File: WESTONB.RES

Vial: 30
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





918

Quantitation Report

AMENDED REPORT MAY 3 0 1998

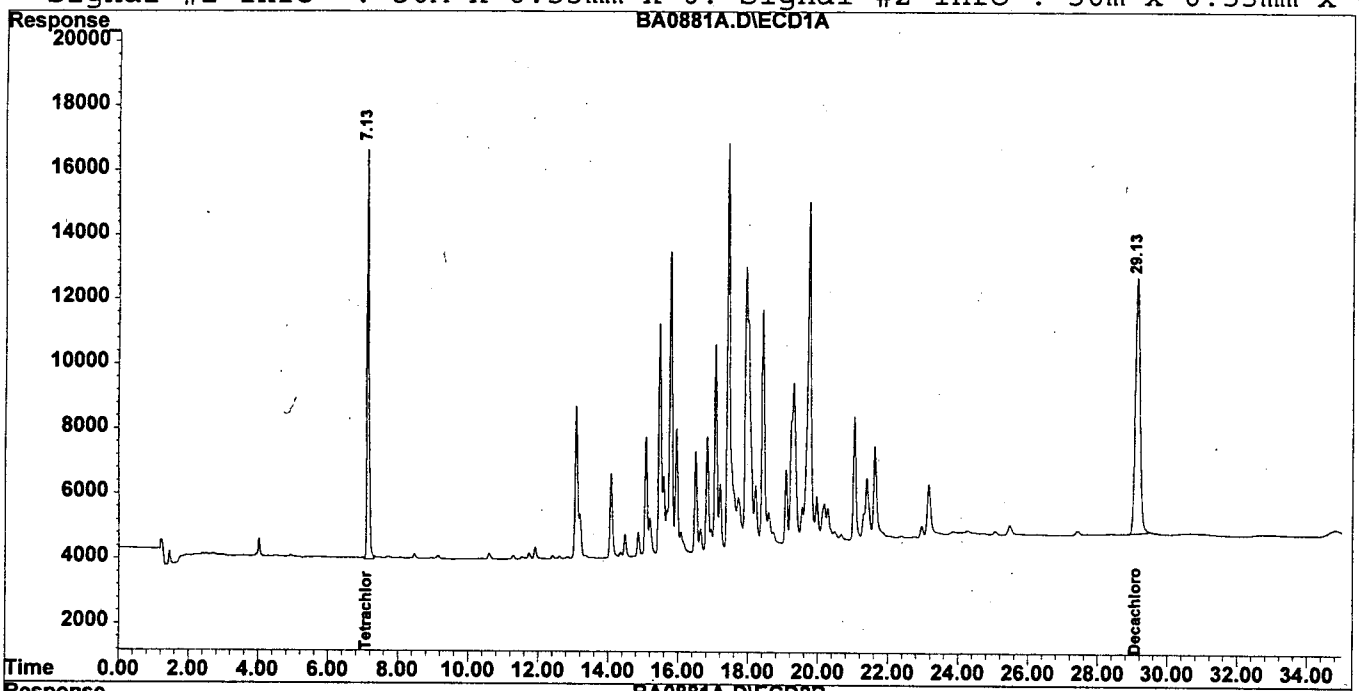
Signal #1 : E:\WESTDA~1\BA0881A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0881A.D\ECD2B.CH
Acq On : 12 Dec 97 7:03
Sample : AR1254 #3
Misc :

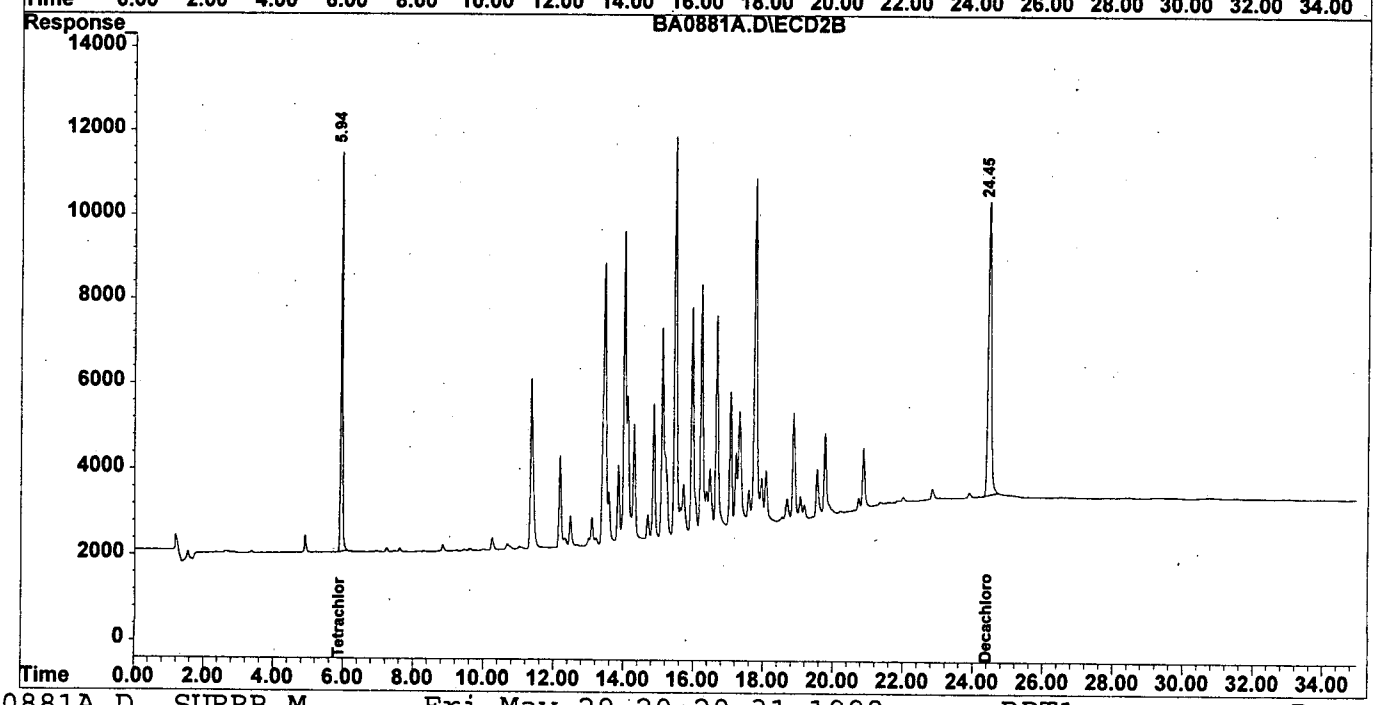
Vial: 30
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:30 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





918A

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	9205.5	1.0	7.12 - 7.22	12/13/97	11:52
Decachlorobiphenyl	50	15102.0	13691.1	9.3	29.06 - 29.26	12/13/97	11:52
Aroclor-1254-1	1000	135.7	120.6	11.1	14.04 - 14.18	12/13/97	11:52
Aroclor-1254-2	1000	383.6	330.7	13.8	15.43 - 15.57	12/13/97	11:52
Aroclor-1254-3	1000	526.4	469.1	10.9	15.74 - 15.88	12/13/97	11:52
Aroclor-1254-4	1000	428.8	348.2	18.8	18.37 - 18.51	12/13/97	11:52
Aroclor-1254-5	1000	868.4	700.2	19.4	19.70 - 19.84	12/13/97	11:52

QPC7395B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042. 7	5890.4	2.5	5.91 - 6.01	12/13/97	11:52
Decachlorobiphenyl	50	8307. 5	8142.6	2.0	24.36 - 24.56	12/13/97	11:52
Aroclor-1254-1	1000	222.2	206.3	7.1	11.29 - 11.43	12/13/97	11:52
Aroclor-1254-2	1000	419.1	385.6	8.0	13.39 - 13.53	12/13/97	11:52
Aroclor-1254-3	1000	149.9	135.9	9.4	14.80 - 14.94	12/13/97	11:52
Aroclor-1254-4	1000	497.3	455.1	8.5	15.41 - 15.55	12/13/97	11:52
Aroclor-1254-5	1000	479.2	436.4	8.9	17.70 - 17.84	12/13/97	11:52

QPC7395B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0889.D\ECD1A.CH Vial
Signal #2 : E:\WESTDA~1\BA0889.D\ECD2B.CH
Acq On : 13 Dec 97 11:52 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:33 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.17	5.96	460274	294520	24.562	23.025
Spiked Amount 40.000	Range	43 - 150	Recovery	=	61.41%	57.56%
2) SA Decachlorobiphen	29.16	24.46	684555	407129	31.042	43.829 #
Spiked Amount 40.000	Range	24 - 154	Recovery	=	77.61%	109.57%
Target Compounds						
3) L6 Aroclor-1254{1}	14.10	11.36	120634	206308	889.052m	928.545
4) L6 Aroclor-1254{2}	15.50	13.46	330679	385631	862.082	920.124
5) L6 Aroclor-1254{3}	15.81	14.87	469111	135853	891.231	906.108
6) L6 Aroclor-1254{4}	18.44	15.48	348240	455137	812.165m	915.142
7) L6 Aroclor-1254{5}	19.77	17.77	700160	436381	806.233m	910.703
Sum Aroclor-1254			1968824	1619310	4260.763	4580.621
Average Aroclor-1254					852.153	916.124

921A

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

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0889A.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0889A.D\ECD2B.CH
Acq On : 13 Dec 97 11:52 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:15 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.17	5.96	460274	294520	49.477	48.739
Spiked Amount 40.000 Range 43 - 150 Recovery =					123.69%	121.85%
2) SA Decachlorobiphen	29.16	24.46	684555	407129	45.329	49.007
Spiked Amount 40.000 Range 24 - 154 Recovery =					113.32%	122.52%
Target Compounds						

92 1A 7/35/30/B

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

Quantitation Report

AMENDED REPORT MAY 3 0 1998

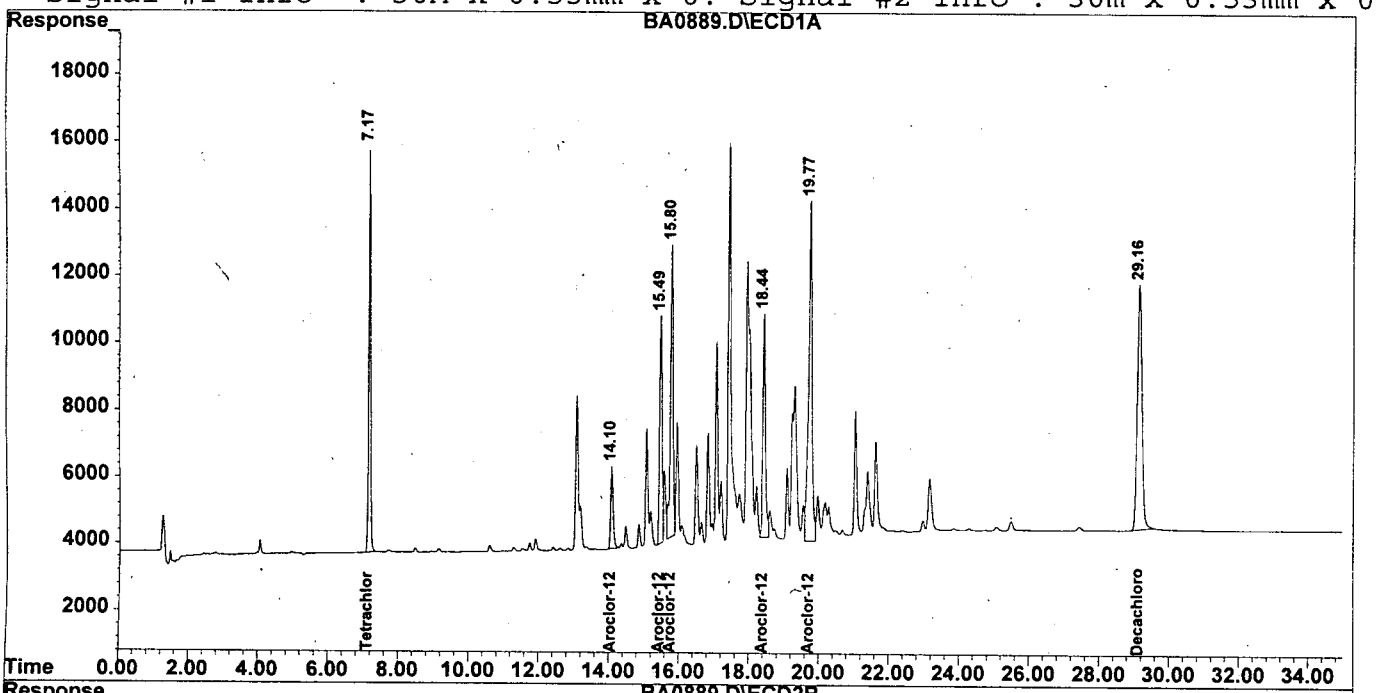
Signal #1 : E:\WESTDA~1\BA0889.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0889.D\ECD2B.CH
Acq On : 13 Dec 97 11:52
Sample : AR1254 #3
Misc :

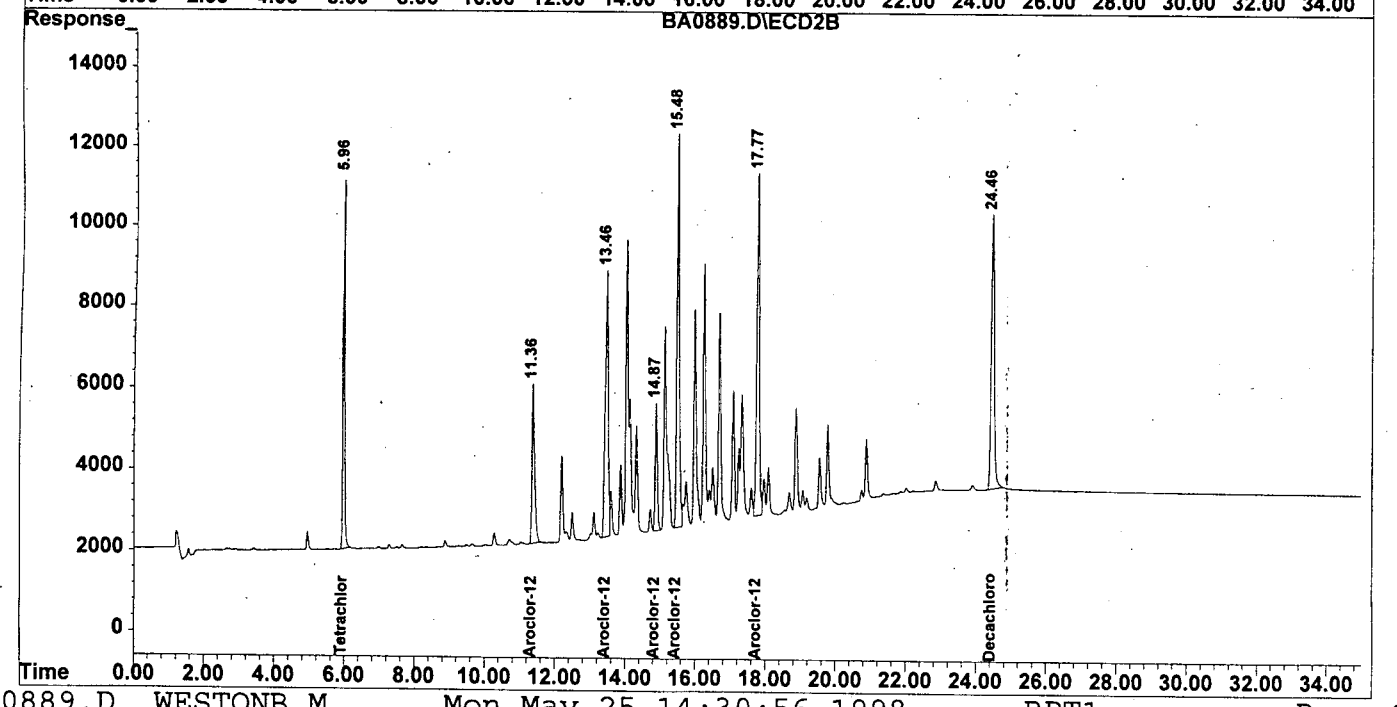
Vial: 1
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:33 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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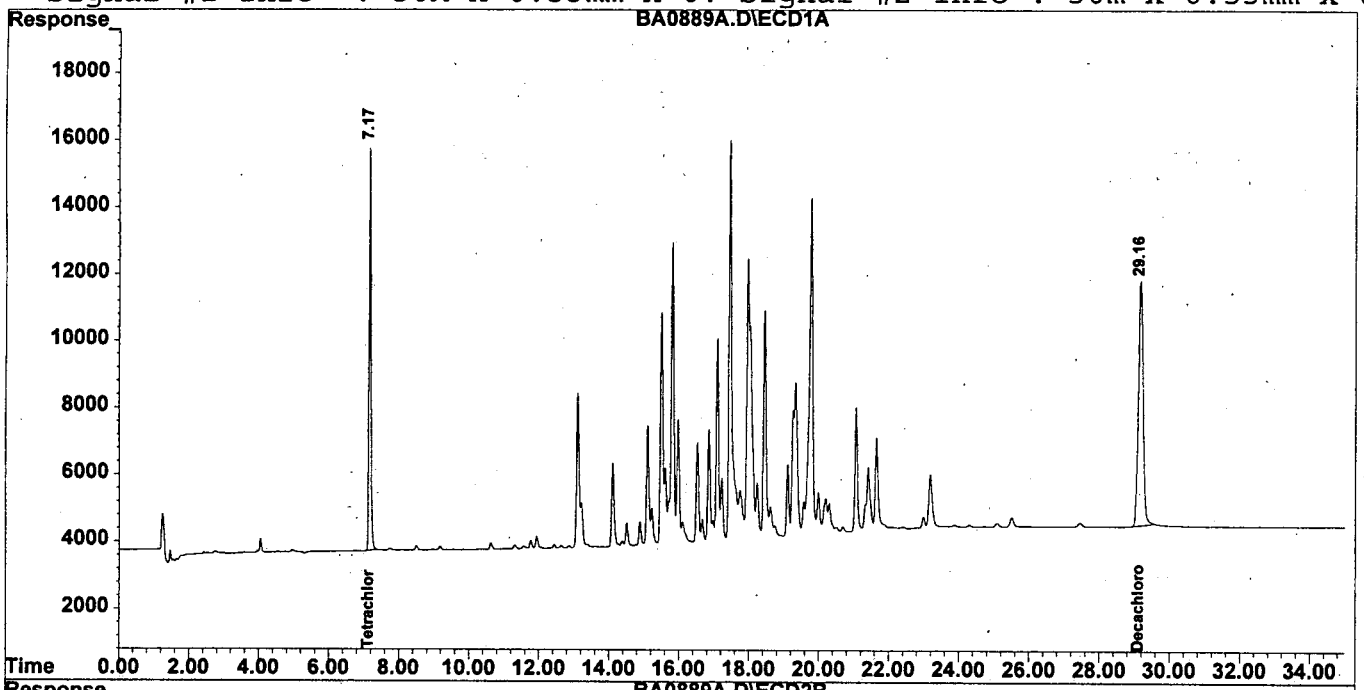
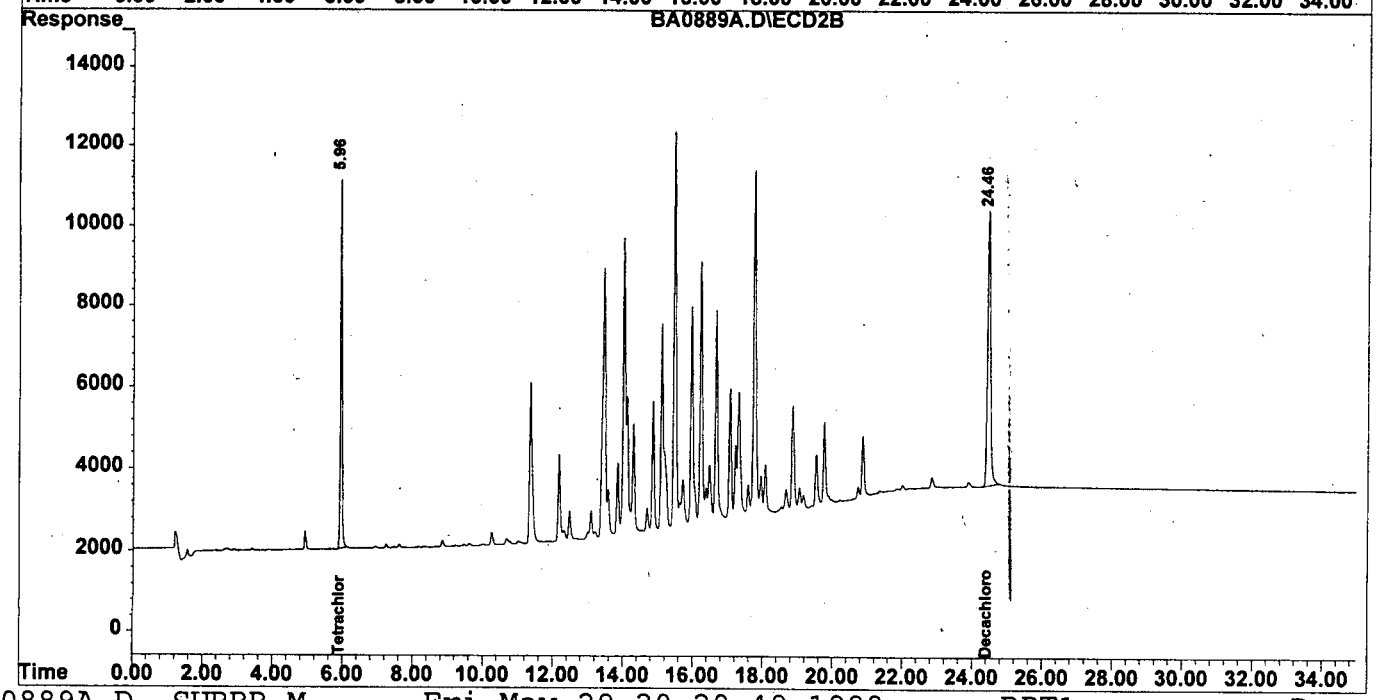
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0889A.D\ECD1A.CH Vial: 1
Signal #2 : E:\WESTDA~1\BA0889A.D\ECD2B.CH
Acq On : 13 Dec 97 11:52 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:15 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





9 2 2 A

AMENDED REPORT JUN 0 3

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9302.7	10105.5	8.6	7.08 - 7.18	12/13/97	23:53
Decachlorobiphenyl	50	15102.0	15317.3	1.4	29.01 - 29.21	12/13/97	23:53
Aroclor-1254-1	1000	135.7	137.3	1.2	14.00 - 14.14	12/13/97	23:53
Aroclor-1254-2	1000	383.6	352.7	8.1	15.39 - 15.53	12/13/97	23:53
Aroclor-1254-3	1000	526.4	502.5	4.5	15.70 - 15.84	12/13/97	23:53
Aroclor-1254-4	1000	428.8	364.4	15.0	18.34 - 18.48	12/13/97	23:53
Aroclor-1254-5	1000	868.4	734.4	15.4	19.67 - 19.81	12/13/97	23:53

PWS 6/3/98

9 2 2 ~~B~~ B

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6042.7	6443.8	6.6	5.89 - 5.99	12/13/97	23:53
Decachlorobiphenyl	50	8307.5	8920.2	7.4	24.34 - 24.54	12/13/97	23:53
Aroclor-1254-1	1000	222.2	219.6	1.2	11.27 - 11.41	12/13/97	23:53
Aroclor-1254-2	1000	419.1	398.9	4.8	13.37 - 13.51	12/13/97	23:53
Aroclor-1254-3	1000	149.9	142.0	5.3	14.78 - 14.92	12/13/97	23:53
Aroclor-1254-4	1000	497.3	466.7	6.2	15.39 - 15.53	12/13/97	23:53
Aroclor-1254-5	1000	479.2	449.4	6.2	17.68 - 17.82	12/13/97	23:53

QPC7390B.XLS

9 2 2 ~~0~~ C DWS 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0900.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_B\BA0900.D\ECD2B.CH
Acq On : 13 Dec 97 23:53 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:06 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94	511621	325558	56.476m	50.264
Spiked Amount 40.000 Range 43 - 150 Recovery =					141.19%	125.66%
2) SA Decachlorobiphen	29.11	24.44	765867	448184	50.892	50.257
Spiked Amount 40.000 Range 24 - 154 Recovery =					127.23%	125.64%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
25) L6 Aroclor-1254{1}	14.07	11.34	134635	220851	991.906	1001.740
26) L6 Aroclor-1254{2}	15.46	13.44	363251	401527	985.274	958.815
27) L6 Aroclor-1254{3}	15.77	14.85	501511	141742	1088.243	948.177
28) L6 Aroclor-1254{4}	18.41	15.46	403369	469086	995.254	965.337
29) L6 Aroclor-1254{5}	19.74	17.75	736347	459708	853.236	1011.596
Sum Aroclor-1254			2139113	1692914	4913.913	4885.666
Average Aroclor-1254					982.783	977.133
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

QC 923

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 3 1998

Signal #1 : E:\WESTDA~1\BA0900.D\ECD1A.CH Vial: 11
Signal #2 : E:\WESTDA~1\BA0900.D\ECD2B.CH
Acq On : 13 Dec 97 23:53 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 2 19:39 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.94	509596	322190	54.388	50.376
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.97%	125.94%
2) SA Decachlorobiphen	29.11	24.44	765867	446009	34.729	48.015 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.82%	120.04%
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.34	137314	219561	1011.981m	988.198
4) L6 Aroclor-1254{2}	15.46	13.44	352677	398906	919.431	951.796
5) L6 Aroclor-1254{3}	15.77	14.85	502472	141960	954.610	946.839
6) L6 Aroclor-1254{4}	18.41	15.46	364372	466676	849.789	938.345
7) L6 Aroclor-1254{5}	19.74	17.75	734380	449428	845.637	937.930
Sum Aroclor-1254			2091215	1676531	4581.447	4763.108
Average Aroclor-1254					916.289	952.622

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

923A

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0900A.D\ECD1A.CH Vial: 11
Signal #2 : E:\WESTDA~1\BA0900A.D\ECD2B.CH
Acq On : 13 Dec 97 23:53 Operator:
Sample : AR1254 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:50 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13f	5.94	505274	322190	54.315m	53.319
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.79%	133.30%
2) SA Decachlorobiphen	29.11	24.44	765867	446009	50.713	53.687
Spiked Amount 40.000 Range 24 - 154 Recovery =					126.78%	134.22%
Target Compounds						

7/8/98

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

9 2 3B

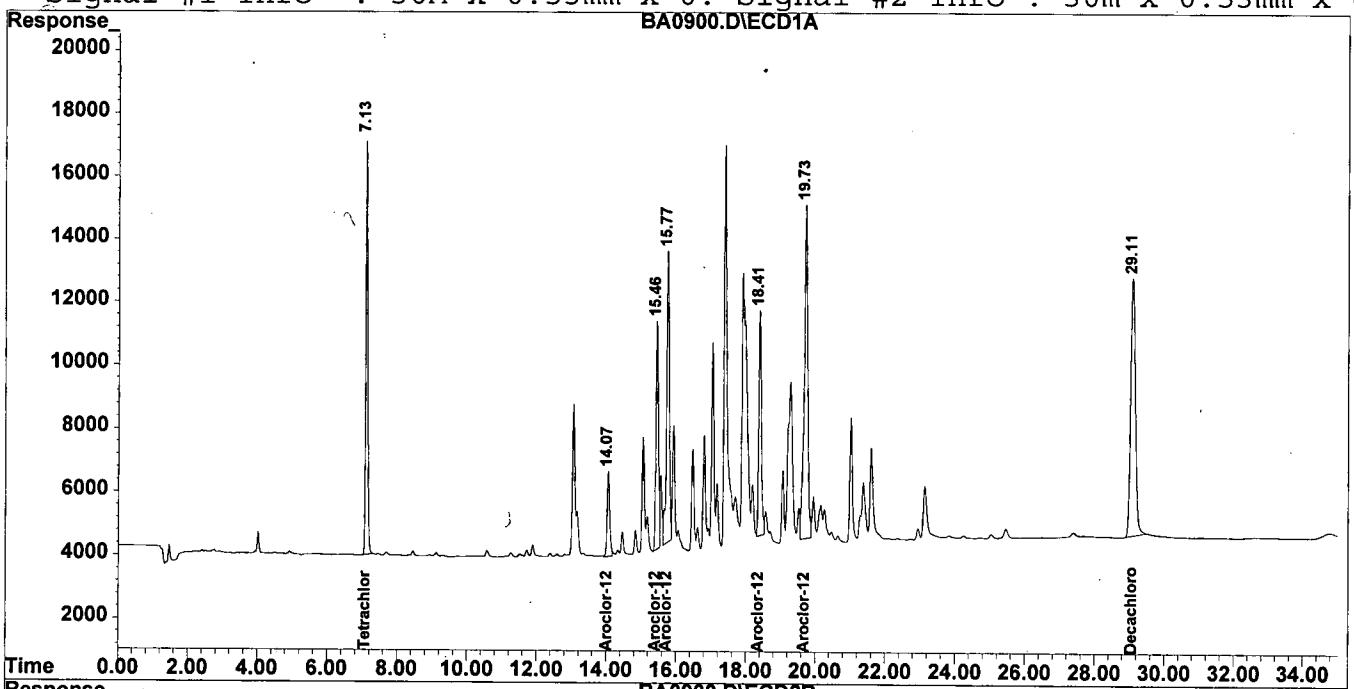
Quantitation Report

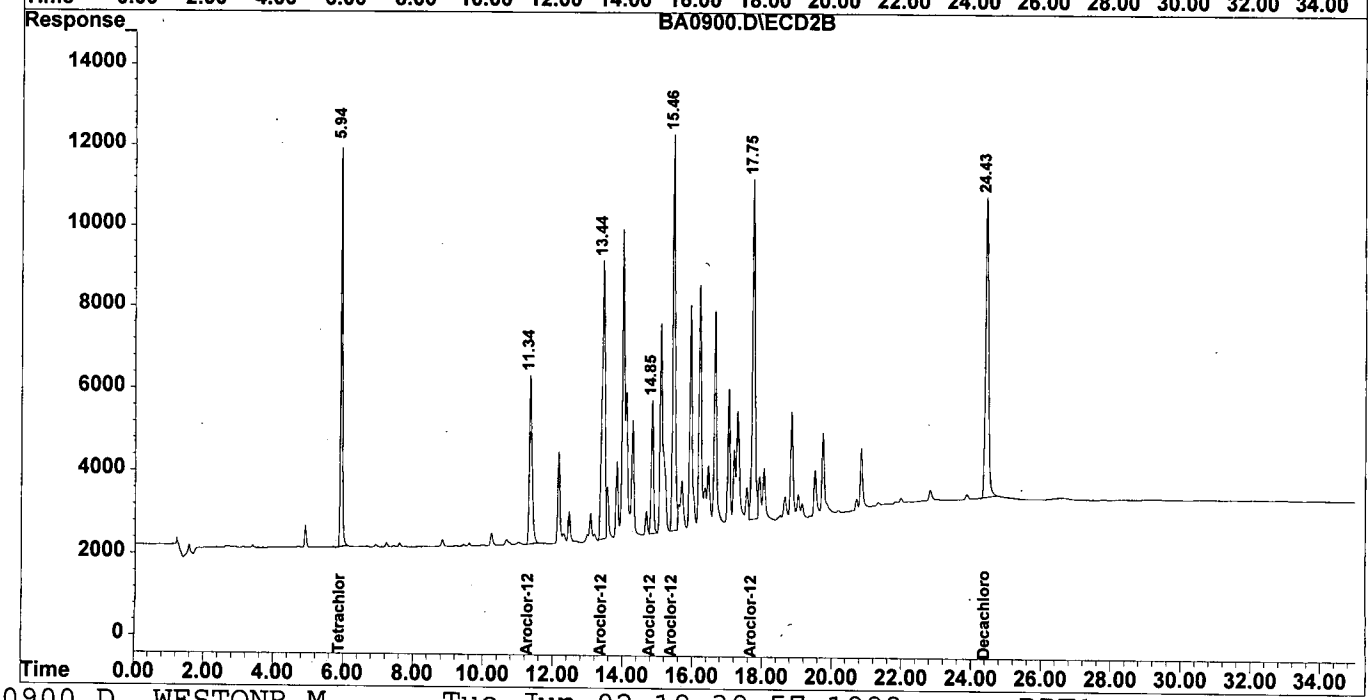
Signal #1 : E:\WESTDA~1\BA0900.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0900.D\ECD2B.CH
Acq On : 13 Dec 97 23:53
Sample : AR1254 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 2 19:39 1998 Quant Results File: WESTONB.RES

Vial: 11
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





924 BA PWB 6/3/98

Quantitation Report

AMENDED REPORT JUN 0 2 1998

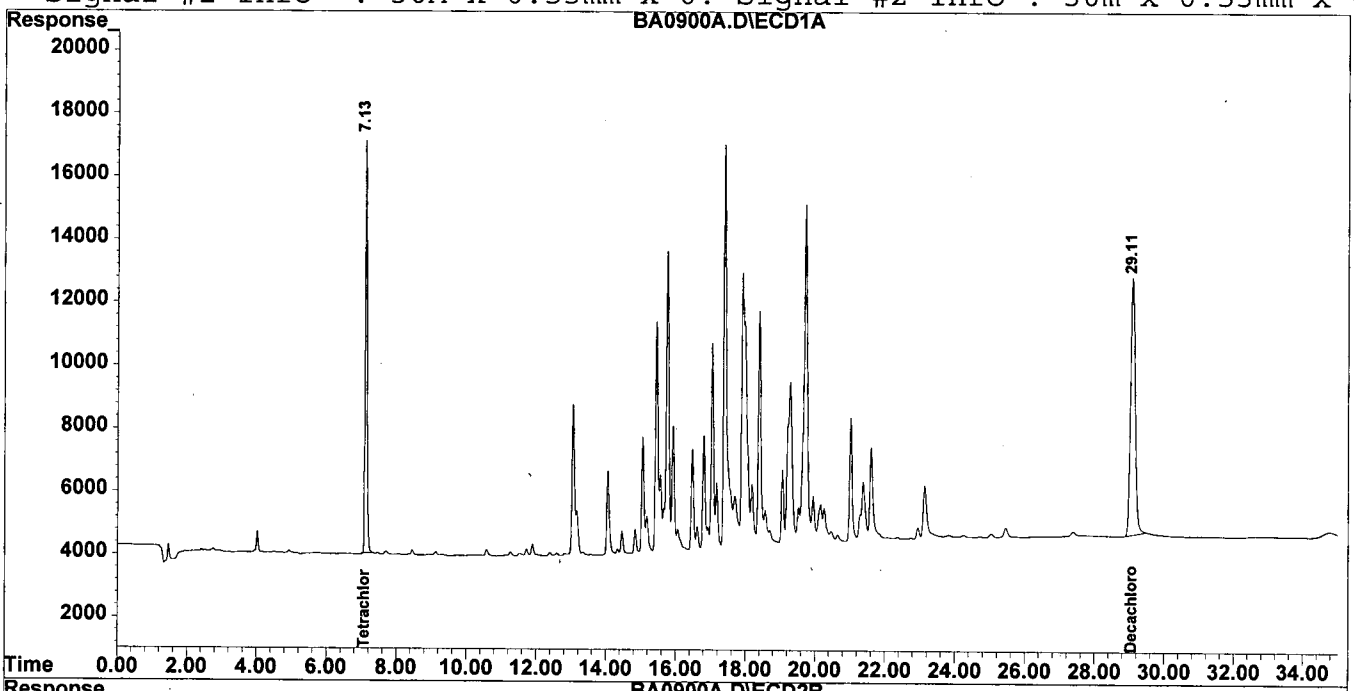
Signal #1 : E:\WESTDA~1\BA0900A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0900A.D\ECD2B.CH
Acq On : 13 Dec 97 23:53
Sample : AR1254 #3
Misc :

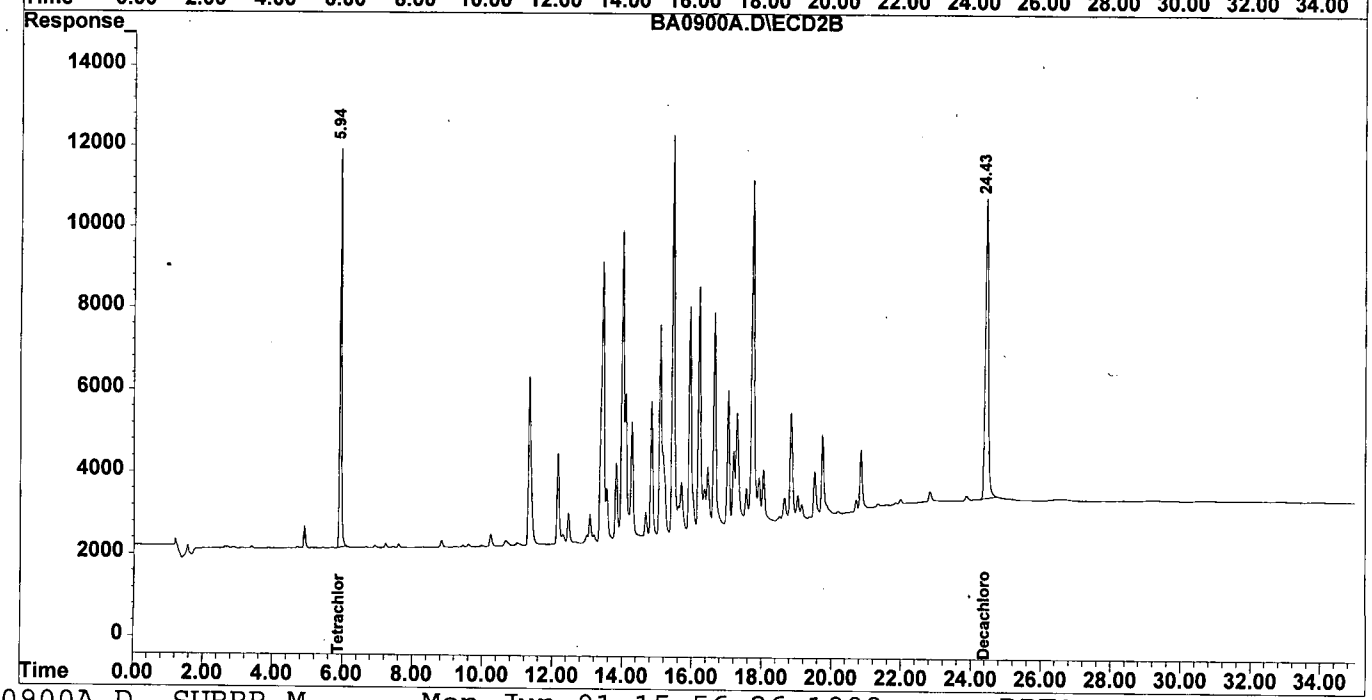
Vial: 11
Operator:
Inst : GC_5890_2
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:50 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	9059.0	10123.6	11.8	7.16 - 7.26	12/15/97	19:15
Decachlorobiphenyl	50	15048.9	15580.1	3.5	29.31 - 29.51	12/15/97	19:15
Aroclor-1248-1	1000	194.0	189.8	2.1	10.61 - 10.75	12/15/97	19:15
Aroclor-1248-2	1000	316.2	332.9	5.3	11.93 - 12.07	12/15/97	19:15
Aroclor-1248-3	1000	413.3	402.1	2.7	13.23 - 13.37	12/15/97	19:15
Aroclor-1248-4	1000	496.3	470.1	5.3	14.11 - 14.25	12/15/97	19:15
Aroclor-1248-5	1000	377.0	376.5	0.1	16.12 - 16.26	12/15/97	19:15

QPC7392.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	10077.9	8.3	7.16 - 7.26	12/15/97	19:15
DCB for AR1248 #3	50	15102.0	15232.6	0.9	29.31 - 29.51	12/15/97	19:15

QPC7390B.XLS

9 25 PLS 6/3/98

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
Tetrachloro-m-xylene	50	6477.0	~~6497.2~~	~~0.3~~	5.96 - 6.06	12/15/97	19:15
Decachlorobiphenyl	50	8917.8	~~9144.5~~	~~2.5~~	24.53 - 24.73	12/15/97	19:15
Aroclor-1248-1	1000	193.9	189.8	2.1	10.27 - 10.41	12/15/97	19:15
Aroclor-1248-2	1000	338.9	332.9	1.8	12.19 - 12.33	12/15/97	19:15
Aroclor-1248-3	1000	316.5	307.3	2.9	12.49 - 12.63	12/15/97	19:15
Aroclor-1248-4	1000	269.1	250.3	7.0	13.42 - 13.56	12/15/97	19:15
Aroclor-1248-5	1000	126.0	124.2	1.4	15.50 - 15.64	12/15/97	19:15

QPC7392.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	6431.5	6.4	5.96 - 6.06	12/15/97	19:15
DCB for AR1248 #3	50	8307.5	9454.5	13.8	24.53 - 24.73	12/15/97	19:15

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0942.D\ECD1A.CH Vial: 42
Signal #2 : C:\HPCHEM\1\DATA_B\BA0942.D\ECD2B.CH
Acq On : 15 Dec 97 19:15 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 9:19 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.21	6.01	506181	324862	55.876	50.156
Spiked Amount 40.000 Range 43 - 150 Recovery =					139.69%	125.39%
2) SA Decachlorobiphen	29.41	24.63	479004	457225	51.765	51.271
Spiked Amount 40.000 Range 24 - 154 Recovery =					129.41%	128.18%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.68	10.34	189839	407688	978.571	978.821
21) L5 Aroclor-1248{2}	12.00	12.26	589070	332913	1052.901	982.392
22) L5 Aroclor-1248{3}	13.30	12.56	402112	307324	972.886	970.885
23) L5 Aroclor-1248{4}	14.18	13.49	470057	250278	947.054	930.127
24) L5 Aroclor-1248{5}	16.19	15.57	376513	124168	998.673	985.832
Sum Aroclor-1248			2027590	1422371	4950.085	4848.057
Average Aroclor-1248					990.017	969.611
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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12/16/98

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

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0942A.D\ECD1A.CH Vial: 42
Signal #2 : E:\WESTDA~1\BA0942A.D\ECD2B.CH
Acq On : 15 Dec 97 19:15 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:51 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.21	6.01	503897	321576	54.167	53.217
Spiked Amount 40.000 Range 43 - 150 Recovery =					135.42%	133.04%
2) SA Decachlorobiphen	29.41f	24.63f	761630	472727	50.432m	56.903m
Spiked Amount 40.000 Range 24 - 154 Recovery =					126.08%	142.26%
Target Compounds						

7/3 6/11/0

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

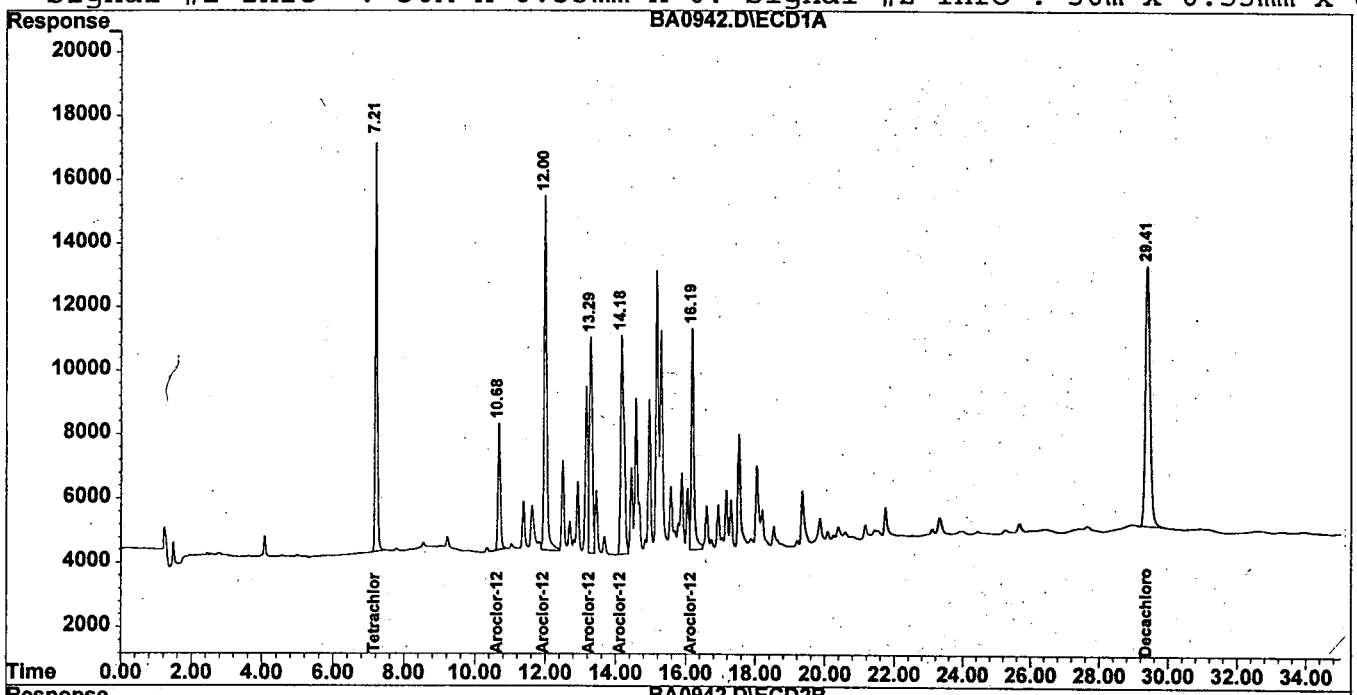
9 2 7A

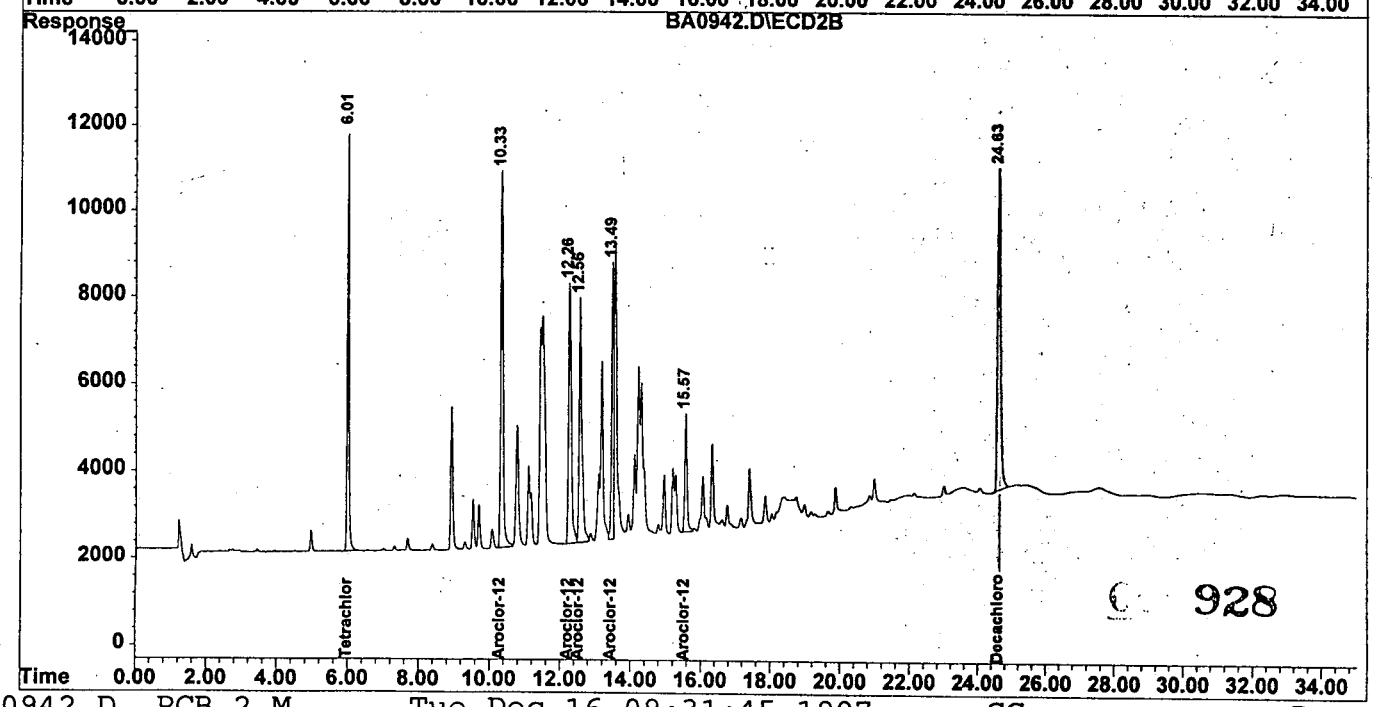
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0942.D\ECD1A.CH Vial: 42
Signal #2 : C:\HPCHEM\1\DATA_B\BA0942.D\ECD2B.CH
Acq On : 15 Dec 97 19:15 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 9:19 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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Quantitation Report

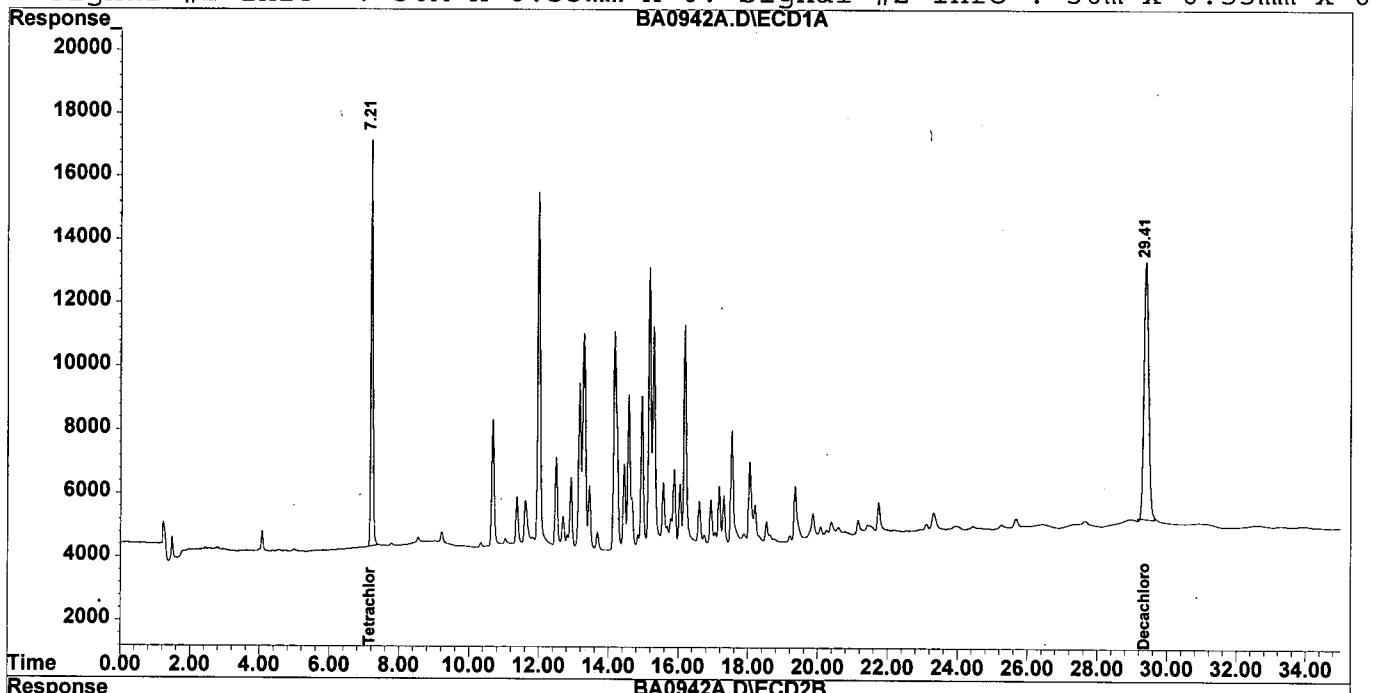
AMENDED REPORT JUN 0 2 1998

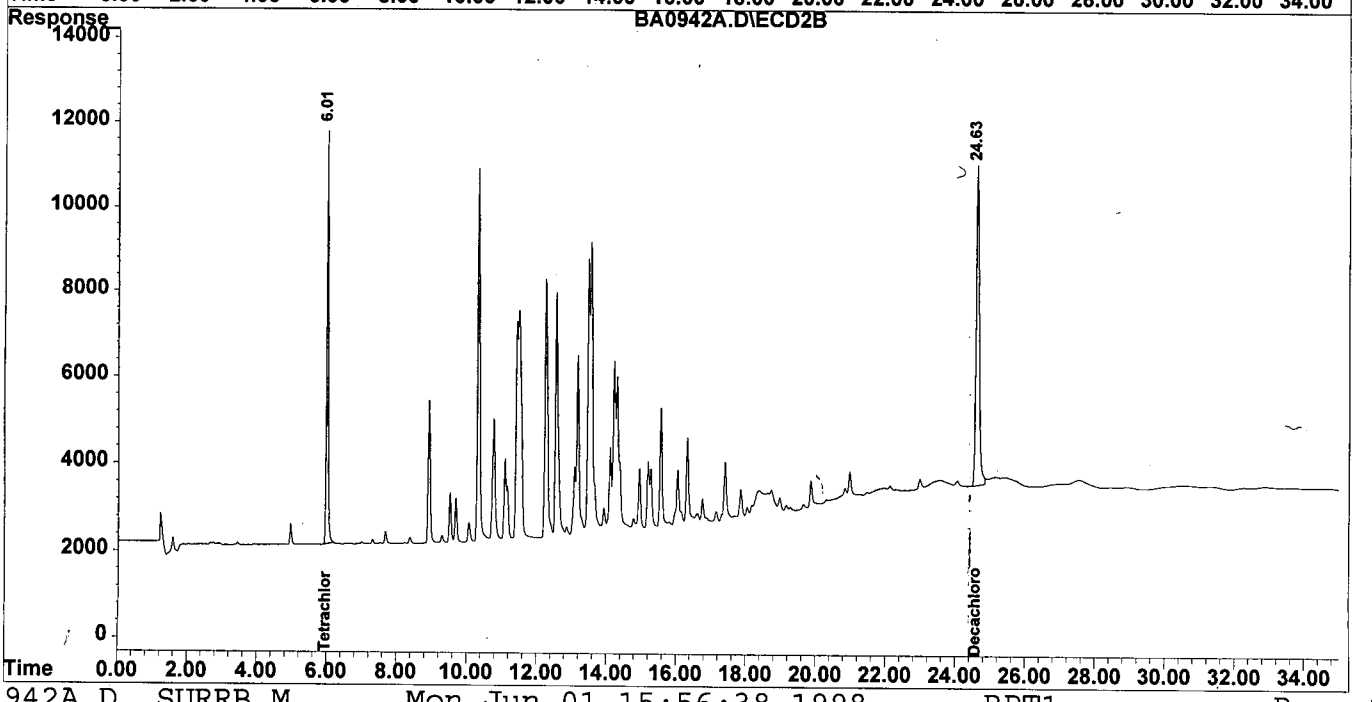
Signal #1 : E:\WESTDA~1\BA0942A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0942A.D\ECD2B.CH
Acq On : 15 Dec 97 19:15
Sample : AR1248 #3
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:51 1998 Quant Results File: SURRB.RES

Vial: 42
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-~~1701~~ 50
PRIMARY: X CONFIRMATION:

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	9302.7	9354.7	0.6	7.26 - 7.36	12/16/97	1:32
DCB for AR1248 #3	50	151020	13954.2	7.6	29.31 - 29.51	12/16/97	1:32

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE CONTINUING CALIBRATION SURRUOGATE SUMMARY
POLYCHLORINATED BIPHENYLS

INSTRUMENT ID: 5890-2
GC COLUMN USED: RTx-1701
PRIMARY: CONFIRMATION: X

ANALYTE NAME	STANDARD CONC. ng/ml	INITIAL CALIB. FACTOR	CONT. CALIB FACTOR	%D	RT WINDOWS	ANALYSIS DATE	ANALYSIS TIME
TCMX for AR1248 #3	50	6042.7	6136.8	1.6	5.96 - 6.06	12/16/97	1:32
DCB for AR1248 #3	50	8307.5	8736.1	5.2	24.51 - 24.71	12/16/97	1:32

QPC7390B.XLS

AMENDED REPORT JUN 0 3 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0948.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA_B\BA0948.D\ECD2B.CH
Acq On : 16 Dec 97 1:32 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 9:25 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.31f	6.01	468976	310231	51.769m	47.897
Spiked Amount 40.000 Range 43 - 150 Recovery =					129.42%	119.74%
2) SA Decachlorobiphen	29.41	24.61	685355	429418	45.542	48.152
Spiked Amount 40.000 Range 24 - 154 Recovery =					113.86%	120.38%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
20) L5 Aroclor-1248{1}	10.77	10.33	172766	387200	890.566m	929.631
21) L5 Aroclor-1248{2}	12.07	12.26	486818	310998	870.137m	917.721
22) L5 Aroclor-1248{3}	13.37	12.56	382578	289732	925.626m	915.307
23) L5 Aroclor-1248{4}	14.24	13.49	427201	229964	860.709	854.634
24) L5 Aroclor-1248{5}	16.24	15.57	333762	118758	885.280	942.881
Sum Aroclor-1248			1803126	1336651	4432.317	4560.175
Average Aroclor-1248					886.463	912.035
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0948A.D\ECD1A.CH Vial: 48
Signal #2 : E:\WESTDA~1\BA0948A.D\ECD2B.CH
Acq On : 16 Dec 97 1:32 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:52 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.31	6.01	467734	306839	50.279m	50.778
Spiked Amount 40.000 Range 43 - 150 Recovery =					125.70%	126.95%
2) SA Decachlorobiphen	29.41f	24.61f	697712	436805	46.200m	52.579m
Spiked Amount 40.000 Range 24 - 154 Recovery =					115.50%	131.45%
Target Compounds						

929A 7/3/98

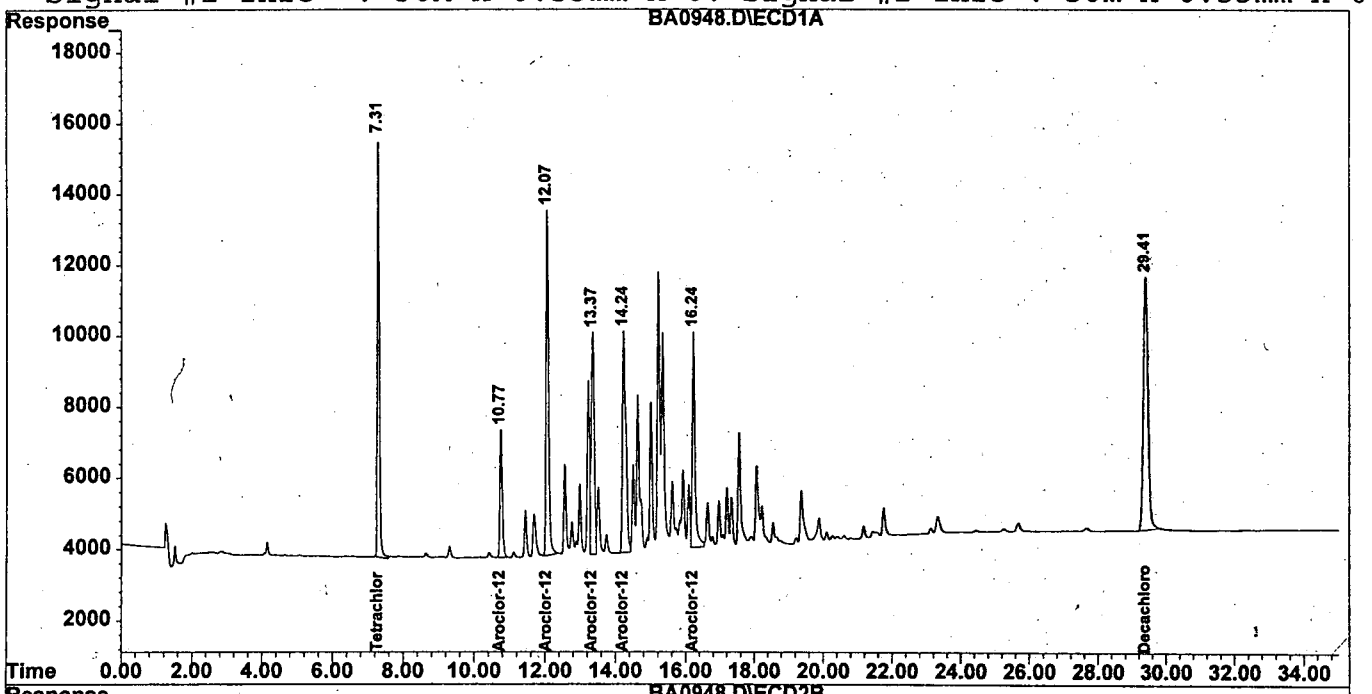
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

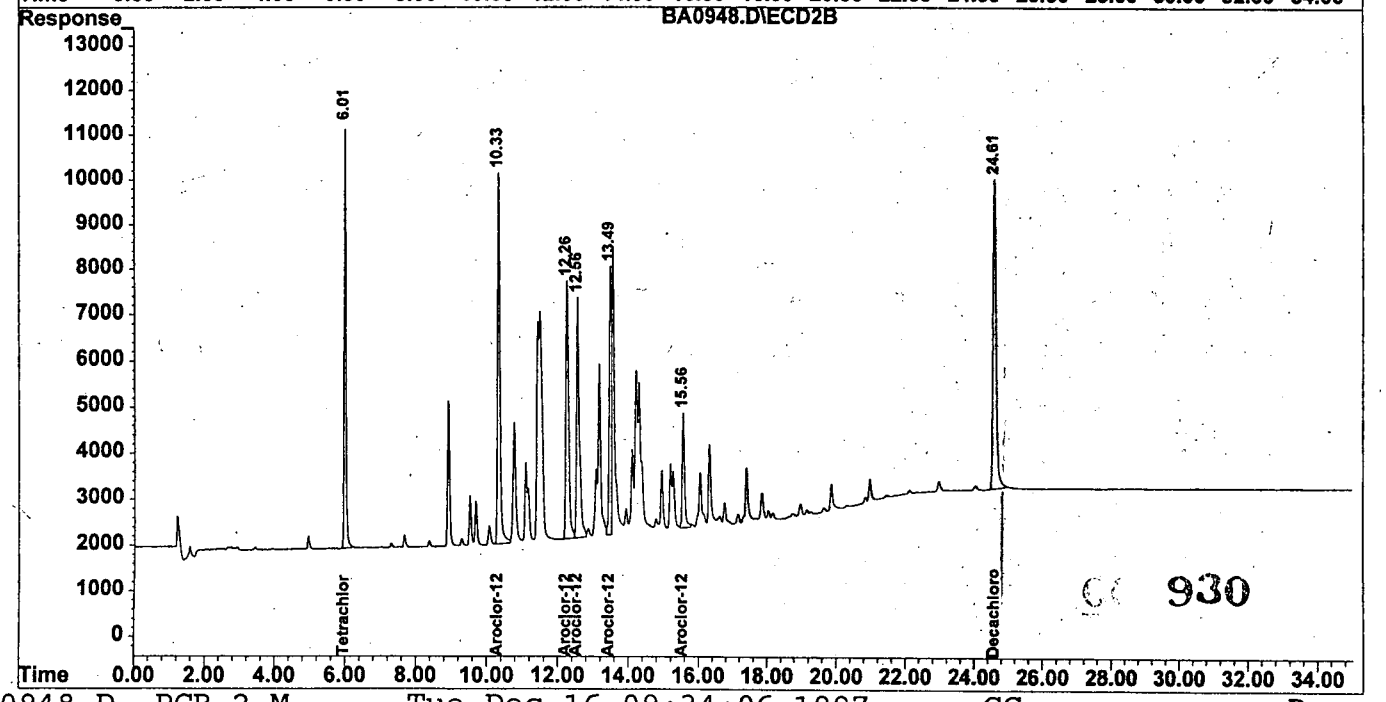
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0948.D\ECD1A.CH Vial: 48
Signal #2 : C:\HPCHEM\1\DATA_B\BA0948.D\ECD2B.CH
Acq On : 16 Dec 97 1:32 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 9:25 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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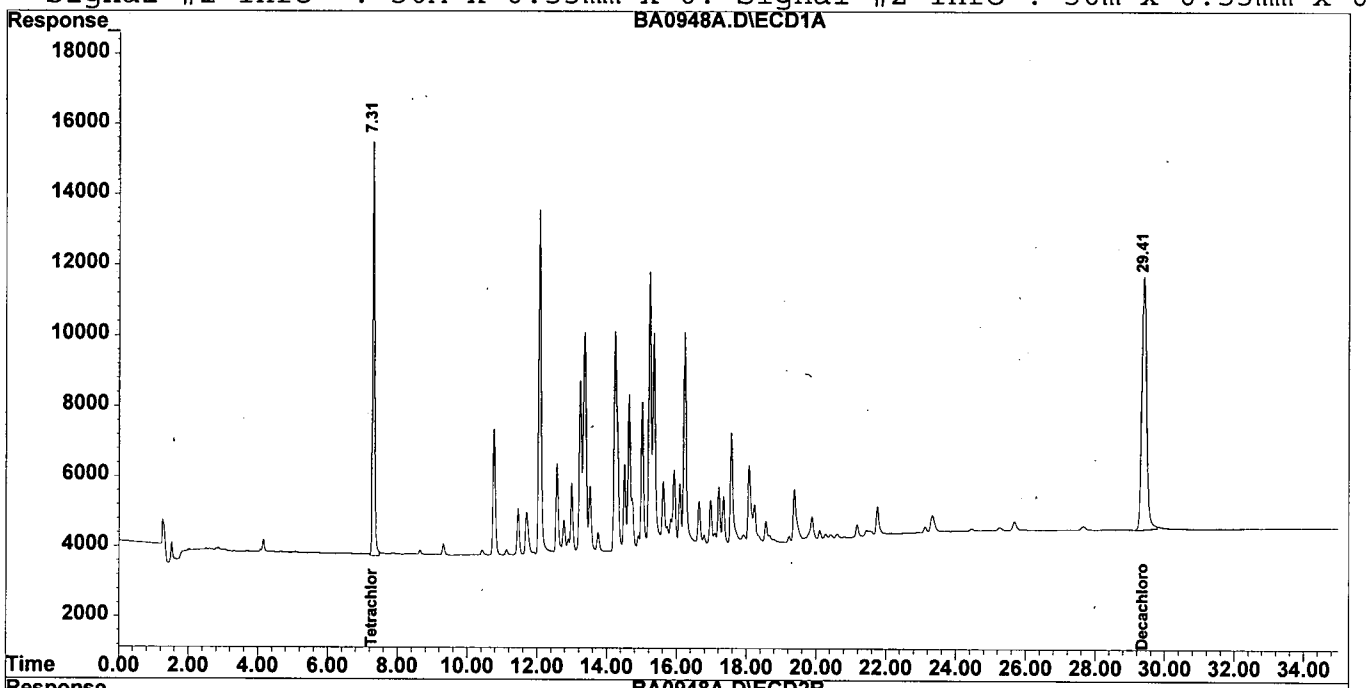
Quantitation Report

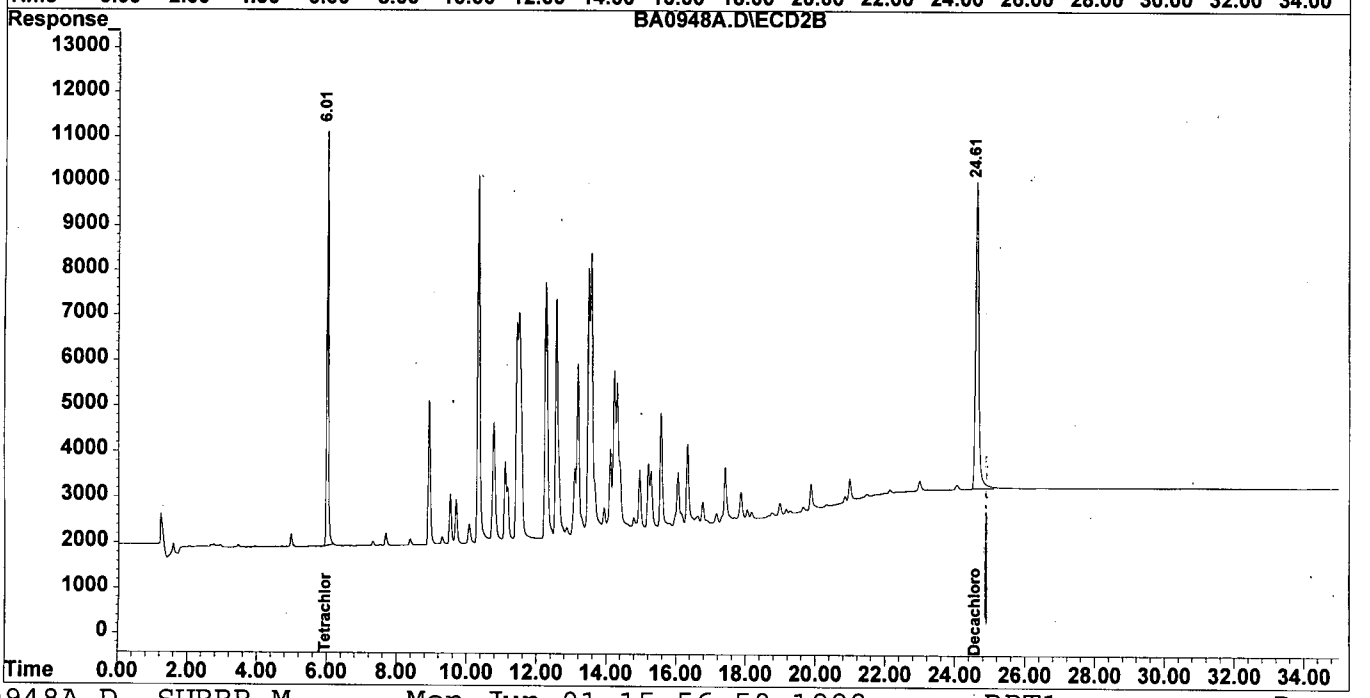
AMENDED REPORT JUN 0 2 1998

Signal #1 : E:\WESTDA~1\BA0948A.D\ECD1A.CH Vial: 48
Signal #2 : E:\WESTDA~1\BA0948A.D\ECD2B.CH
Acq On : 16 Dec 97 1:32 Operator:
Sample : AR1248 #3 Inst : GC_5890_2
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Jun 1 15:52 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

Form-2

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	114	105	111	100	0
278120 S	104	106	98	105	0
278120 SD	107	117	102	154 *	1
278123	105	112	107	111	0
278125	105	102	109	103	0
278126	102	102	110	106	0
278127	104	95	108	111	0
278128	107	103	114	103	0
278134	97	102	104	105	0
278135	101	127	103	124	0
278136	94	97	95	108	0
278120 1:5	120	115	115	125	0
278121 1:5	115	105	110	105	0
278122 1:5	120	130	115	130	0
278124 1:10	120	150	120	160 *	1
278129 1:10	120	120	110	150	0
278130 1:10	120	120	110	130	0
278131 1:20	120	140	120	160 *	1
278132 1:10	120	120	110	120	0
278133 1:10	120	120	130	120	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7390B.XLS

AMENDED REPORT MAY 30 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	116	95	110	95	0
278137	106	96	106	106	0
278138	108	98	104	109	0
278139	99	96	99	116	0
278140	66	68	63	68	0
278141	113	106	108	103	0
278151	96	94	99	97	0
278152	112	108	108	140	0
278153	112	105	106	103	0
278142 1:5	80	100	75	190 *	1
278143 1:5	100	95	95	100	0
278144 1:5	45	45	40	55	0
278145 1:10	100	150	120	140	0
278146 1:5	85	80	80	85	0
278147 1:5	90	95	90	105	0
278148 1:10	60	90	60	90	0
278149 1:10	110	150	100	170 *	1
278150 1:5	105	95	95	95	0
278137 S	97	86	91	85	0
278137 SD	102	95	98	90	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7391B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	101	95	102	103	0
278154	69	74	70	81	0
278155	66	67	67	78	0
278156	65	64	66	70	0
278159	75	73	74	82	0
278160	53	51	55	56	0
278163	90	89	88	98	0
278167	71	78	75	90	0
278168	86	95	93	108	0
278169	103	114	104	119	0
278170	67	69	68	73	0
278171	102	105	103	116	0
278172	93	91	95	99	0
278173	92	92	95	101	0
278154 SPIKE	75	80	78	83	0
278154 SPIKE DUP	83	87	83	94	0
278157 1:10	60	70	70	80	0
278158 1:10	80	80	80	90	0
278161 1:10	100	100	110	120	0
278162 1:5	110	110	115	125	0
278164 1:5	55	60	60	65	0
278165 1:20	100	120	120	140	0
278166	99	104	99	114	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7392B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	92	93	95	100	0
278174	97	96	99	112	0
278176	92	89	95	101	0
278177	97	99	100	105	0
278180	94	94	99	103	0
278181	96	92	98	108	0
278182	98	89	101	106	0
278183	93	91	96	101	0
278184	63	60	65	68	0
278185	76	82	78	89	0
278186	68	73	75	78	0
278187	79	80	88	96	0
278188	91	86	97	99	0
278175 1:10	98	103	104	119	0
278178 1:10	112	119	119	180 *	1
278179 1:10	98	98	106	116	0
278191	99	101	93	100	0
278192	87	93	89	94	0
278189	86	83	86	87	0
278190	96	95	94	102	0
278174 SPIKE	101	97	97	111	0
278174 SPIKE DUP	102	95	99	102	0
278193 1:20	84	92	102	116	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7393B.XLS

AMENDED REPORT MAY 30 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	113	98	107	94	0
278194	102	102	94	96	0
278196	106	103	112	110	0
278197	110	96	108	118	0
278198	112	100	113	108	0
278199	113	102	116	122	0
278201	108	125	103	146	0
278203	106	114	108	108	0
278206	117	108	121	104	0
278207 S	110	113	107	112	0
278207 SD	109	119	104	112	0
278208	111	121	105	115	0
278212	110	103	109	115	0
278213	108	107	117	121	0
278204	104	116	102	144	0
278195 1:5	115	120	115	130	0
278200 1:5	110	120	95	140	0
278202 1:10	110	120	110	130	0
278205 1:5	115	120	135	140	0
278207 1:5	110	110	105	120	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7394B.XLS

AMENDED REPORT JUN 0 2 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	105	98	109	110	0
278216	149	143	149	154 *	1
278217	101	97	112	113	0
278223	100	90	101	103	0
278224	99	85	99	99	0
278225	101	91	106	108	0
278231	101	89	105	114	0
278220 SPIKE	108	100	103	103	0
278220 SPIKE DUP	109	105	105	118	0
278214 1:10	110	115	120	129	0
278215 1:10	112	123	118	147	0
278218 1:5	110	107	112	123	0
278219 1:5	109	121	117	140	0
278220 1:5	119	120	128	137	0
278221 1:5	107	110	114	122	0
278222 1:5	107	107	116	123	0
278226 1:5	128	119	128	138	0
278227 1:5	99	99	107	115	0
278228 1:10	109	117	123	135	0
278229 1:5	109	115	121	132	0
278230 1:10	116	117	131	133	0
278232 1:10	101	107	114	121	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7395B.XLS

AMENDED REPORT JUN 0 7 '998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	104	97	117	120	0
278233 S	113	118	111	178 *	1
278233 SD	110	119	104	124	0
278233 1:5	104	111	118	111	0
278234 1:5	117	122	113	140	0
278235 1:5	116	107	116	135	0
278236 1:10	120	126	123	165 *	1
278237 1:10	113	121	112	170 *	1

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7396B.XLS

AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE SURROGATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7403
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50(PRIMARY)
RTX-1701(CONF.)
METHOD: 8080
MATRIX: AQUEOUS

SAMPLE NUMBER	%REC. TCMX PRIMARY	%REC. DCB PRIMARY	%REC. TCMX CONF.	%REC. DCB CONF.	# OUTSIDE QC LIMITS
BLANK	77	67	75	73	0
278238	115	74	106	80	0
BLANK SPIKE	118	105	110	99	0
BLANK SPIKE DUP	112	102	107	95	0

QC Limits:	Compound	Percent Recovery limits	Concentration Surrogate Added
TCMX	Tetrachloro-m-xylene	30-150	40 ppb
DBC	Decachlorobiphenyl	30-150	40 ppb

S=Spike Sample
SD=Spike duplicate sample
DL=Dilution
** Surrogates are diluted out
* Values outside QC Limits

QPC7403B.XLS

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCNS1
LAB NUMBER: 278120
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	5000	
Aroclor-1254-2	~~3500~~	3500	
Aroclor-1254-3	5000	~~3000~~	
Aroclor-1254-4	6000	5500	
Aroclor-1254-5	6000	6500	
AVG. Aroclor-1254	~~4600~~ 4900	~~4700~~ 5100	~~2~~ 4.0

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCNS2
LAB NUMBER: 278121
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1900	3700	
Aroclor-1254-2	4500	3100	
Aroclor-1254-3	4100	3500	
Aroclor-1254-4	5500	4500	
Aroclor-1254-5	5000	5500	
AVG. Aroclor-1254	4200	4100	2

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCNS3
LAB NUMBER: 278122
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2000	4000	
Aroclor-1254-2	4500	2900	
Aroclor-1254-3	3800	3000	
Aroclor-1254-4	5000	4500	
Aroclor-1254-5	4500	5000	
AVG. Aroclor-1254	4000	3900	3

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCND1
LAB NUMBER: 278123
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	370	570	
Aroclor-1254-2	600	490	
Aroclor-1254-3	680	610	
Aroclor-1254-4	800	780	
Aroclor-1254-5	770	850	
AVG. Aroclor-1254	640	660	3

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCND2
LAB NUMBER: 278124
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	6000	5000	
Aroclor-1254-2	10000	9000	
Aroclor-1254-3	13000	10000	
Aroclor-1254-4	15000	14000	
Aroclor-1254-5	15000	16000	
AVG. Aroclor-1254	12000	11000	9

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCSS1
LAB NUMBER: 278125
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	130	330	
Aroclor-1254-2	160	120	
Aroclor-1254-3	130	100	
Aroclor-1254-4	160	150	
Aroclor-1254-5	140	180	
AVG. Aroclor-1254	140	180	29

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCSD1
LAB NUMBER: 278127
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1000	2200	
Aroclor-1254-2	1800	1000	
Aroclor-1254-3	1200	900	
Aroclor-1254-4	1300	1300	
Aroclor-1254-5	1200	1500	
AVG. Aroclor-1254	1300	1400	7

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCSD2
LAB NUMBER: 278128
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	260	540	
Aroclor-1254-2	460	320	
Aroclor-1254-3	440	330	
Aroclor-1254-4	600	480	
Aroclor-1254-5	550	650	
AVG. Aroclor-1254	460	460	0

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDNS1
LAB NUMBER: 278129
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2900	5900	
Aroclor-1254-2	10000	5200	
Aroclor-1254-3	8100	5700	
Aroclor-1254-4	11000	9600	
Aroclor-1254-5	9600	11000	
AVG. Aroclor-1254	8300	7500	10

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDNS2
LAB NUMBER: 278130
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	3000	
Aroclor-1254-2	8000	5000	
Aroclor-1254-3	6300	4600	
Aroclor-1254-4	8000	7300	
Aroclor-1254-5	7000	7000	
AVG. Aroclor-1254	6700	5400	24

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDND1
LAB NUMBER: 278131
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	18000	12000	
Aroclor-1254-2	22000	28000	
Aroclor-1254-3	30000	20000	
Aroclor-1254-4	38000	32000	
Aroclor-1254-5	38000	38000	
AVG. Aroclor-1254	29000	26000	12

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDND2
LAB NUMBER: 278132
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	6000	5000	
Aroclor-1254-2	11000	7000	
Aroclor-1254-3	9000	7000	
Aroclor-1254-4	10000	11000	
Aroclor-1254-5	10000	11000	
AVG. Aroclor-1254	9200	8200	12

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSS1
LAB NUMBER: 278133
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3300	1900	
Aroclor-1254-2	8700	5600	
Aroclor-1254-3	8000	6600	
Aroclor-1254-4	11000	9000	
Aroclor-1254-5	10000	11000	
AVG. Aroclor-1254	8200	6800	21

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSS2
LAB NUMBER: 278134
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	34	77	
Aroclor-1254-2	55	51	
Aroclor-1254-3	100	60	
Aroclor-1254-4	170	120	
Aroclor-1254-5	120	180	
AVG. Aroclor-1254	96	98	2

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSD1
LAB NUMBER: 278135
UNITS: µg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	34	52	
Aroclor-1254-2	84	63	
Aroclor-1254-3	120	110	
Aroclor-1254-4	230	160	
Aroclor-1254-5	180	220	
AVG. Aroclor-1254	130	120	8

QPC7390.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSD2
LAB NUMBER: 278136
UNITS: μg/kg

DATE EXTRACTED: 12/5/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	37	243	
Aroclor-1254-2	130	180	
Aroclor-1254-3	260	204	
Aroclor-1254-4	300	350	
Aroclor-1254-5	450	550	
AVG. Aroclor-1254	240	310	29

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEENS1
LAB NUMBER: 278137
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	400	1000	
Aroclor-1254-2	2000	1000	
Aroclor-1254-3	1600	1200	
Aroclor-1254-4	0	1800	
Aroclor-1254-5	2300	2300	
AVG. Aroclor-1254	1600	1500	7

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEENS3
LAB NUMBER: 278139
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	300	280	
Aroclor-1254-2	1600	810	
Aroclor-1254-3	1200	950	
Aroclor-1254-4	0	1500	
Aroclor-1254-5	1900	1900	
AVG. Aroclor-1254	1300	1100	18

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEEND1
LAB NUMBER: 278140
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	400	330	
Aroclor-1254-2	~~5000~~	1150	
Aroclor-1254-3	2100	1140	
Aroclor-1254-4	5300	2800	
Aroclor-1254-5	2900	3340	
AVG. Aroclor-1254	3100	1800	42

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEESS1
LAB NUMBER: 278142
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2000	4500	
Aroclor-1254-2	6000	3500	
Aroclor-1254-3	4500	3500	
Aroclor-1254-4	5500	5000	
Aroclor-1254-5	5500	6000	
AVG. Aroclor-1254	4700	4500	4

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEESS2
LAB NUMBER: 278143
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	6500	
Aroclor-1254-2	6000	4000	
Aroclor-1254-3	5000	4000	
Aroclor-1254-4	6000	6000	
Aroclor-1254-5	6000	6500	
AVG. Aroclor-1254	5200	5400	4

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEESD1
LAB NUMBER: 278144
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	2000	
Aroclor-1254-2	5000	4000	
Aroclor-1254-3	5000	3500	
Aroclor-1254-4	4500	5500	
Aroclor-1254-5	4500	5000	
AVG. Aroclor-1254	4300	4000	7

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEESD2
LAB NUMBER: 278145
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	3400	
Aroclor-1254-2	12000	6400	
Aroclor-1254-3	9000	6900	
Aroclor-1254-4	12000	10400	
Aroclor-1254-5	11000	12400	
AVG. Aroclor-1254	9600	7900	22

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFSS1
LAB NUMBER: 278146
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	1800	
Aroclor-1254-2	6500	3750	
Aroclor-1254-3	5000	3900	
Aroclor-1254-4	6000	5850	
Aroclor-1254-5	5500	6450	
AVG. Aroclor-1254	5100	4400	16

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFSS2
LAB NUMBER: 278147
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3500	2250	
Aroclor-1254-2	7000	4600	
Aroclor-1254-3	6000	4950	
Aroclor-1254-4	7500	6950	
Aroclor-1254-5	7000	7950	
AVG. Aroclor-1254	6200	5300	17

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFSD1
LAB NUMBER: 278148
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	23000	18000	
Aroclor-1254-2	14000	22000	
Aroclor-1254-3	14000	10000	
Aroclor-1254-4	14000	15000	
Aroclor-1254-5	15000	17000	
AVG. Aroclor-1254	16000	16000	0

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFSD2
LAB NUMBER: 278149
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	14000	11000	
Aroclor-1254-2	30000	12000	
Aroclor-1254-3	13000	10000	
Aroclor-1254-4	16000	16000	
Aroclor-1254-5	13000	17000	
AVG. Aroclor-1254	17200	13000	32

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFNS1
LAB NUMBER: 278150
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	2150	
Aroclor-1254-2	5500	3500	
Aroclor-1254-3	5000	4000	
Aroclor-1254-4	6000	5500	
Aroclor-1254-5	5500	6100	
AVG. Aroclor-1254	5000	4300	16

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFNS2
LAB NUMBER: 278151
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	300	300	
Aroclor-1254-2	1000	590	
Aroclor-1254-3	900	690	
Aroclor-1254-4	1900	1000	
Aroclor-1254-5	1200	1300	
AVG. Aroclor-1254	1100	780	41

QPC7391.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFND1
LAB NUMBER: 278152
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	200	300	
Aroclor-1254-2	400	310	
Aroclor-1254-3	400	380	
Aroclor-1254-4	600	500	
Aroclor-1254-5	500	500	
AVG. Aroclor-1254	400	400	0

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFND2
LAB NUMBER: 278153
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	100	80	
Aroclor-1254-2	200	160	
Aroclor-1254-3	200	210	
Aroclor-1254-4	500	280	
Aroclor-1254-5	400	470	
AVG. Aroclor-1254	300	240	25

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGNS1
LAB NUMBER: 278154
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	790	400	
Aroclor-1254-2	2900	1300	
Aroclor-1254-3	1400	3300	
Aroclor-1254-4	2600	2200	
Aroclor-1254-5	2600	2800	
AVG. Aroclor-1254	2100	2000	5

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGNS2
LAB NUMBER: 278155
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	970	490	
Aroclor-1254-2	2200	1200	
Aroclor-1254-3	1300	2500	
Aroclor-1254-4	2100	1900	
Aroclor-1254-5	2000	2300	
AVG. Aroclor-1254	1700	1700	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGNS3
LAB NUMBER: 278156
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/8/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	800	370	
Aroclor-1254-2	2600	1100	
Aroclor-1254-3	1200	2900	
Aroclor-1254-4	2400	2000	
Aroclor-1254-5	2300	2500	
AVG. Aroclor-1254	1900	1800	6

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGND1
LAB NUMBER: 278157
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2800	2000	
Aroclor-1254-2	11000	3600	
Aroclor-1254-3	3100	13000	
Aroclor-1254-4	5600	5600	
Aroclor-1254-5	4000	5200	
AVG. Aroclor-1254	5300	5900	11

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGND2
LAB NUMBER: 278158
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	8000	
Aroclor-1254-2	9000	9000	
Aroclor-1254-3	11000	13000	
Aroclor-1254-4	16000	13000	
Aroclor-1254-5	16000	16000	
AVG. Aroclor-1254	11000	12000	9

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGSS1
LAB NUMBER: 278159
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1330	650	
Aroclor-1254-2	1500	970	
Aroclor-1254-3	1000	1800	
Aroclor-1254-4	1400	1400	
Aroclor-1254-5	1300	1600	
AVG. Aroclor-1254	1300	1300	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGSS2
LAB NUMBER: 278160
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1660	800	
Aroclor-1254-2	1600	1100	
Aroclor-1254-3	1000	1900	
Aroclor-1254-4	1400	1500	
Aroclor-1254-5	1300	1600	
AVG. Aroclor-1254	1400	1400	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGSD1
LAB NUMBER: 278161
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	23000	10000	
Aroclor-1254-2	10000	12000	
Aroclor-1254-3	6100	10000	
Aroclor-1254-4	8700	10000	
Aroclor-1254-5	8600	10000	
AVG. Aroclor-1254	11000	10000	10
Aroclor-1248-1	7000	5100	
Aroclor-1248-2	5400	9000	
Aroclor-1248-3	14000	5900	
Aroclor-1248-4	8800	19000	
Aroclor-1248-5	2400	42000	
AVG. Aroclor-1248	7500	16000	113

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHNS1
LAB NUMBER: 278162
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2950	4400	
Aroclor-1254-2	4000	2500	
Aroclor-1254-3	2700	4500	
Aroclor-1254-4	3800	4000	
Aroclor-1254-5	3500	3900	
AVG. Aroclor-1254	3400	3900	15

QPC7392B.XLS

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHNS2
LAB NUMBER: 278163
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2050	940	
Aroclor-1254-2	3100	1800	
Aroclor-1254-3	1800	3700	
Aroclor-1254-4	2900	2800	
Aroclor-1254-5	2700	3000	
AVG. Aroclor-1254	2500	2400	4

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHND1
LAB NUMBER: 278164
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2050	1500	
Aroclor-1254-2	8500	3500	
Aroclor-1254-3	3350	9850	
Aroclor-1254-4	5250	5900	
Aroclor-1254-5	4500	5300	
AVG. Aroclor-1254	4700	5200	11

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHND2
LAB NUMBER: 278165
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	14000	20000	
Aroclor-1254-2	22000	22000	
Aroclor-1254-3	28000	30000	
Aroclor-1254-4	34000	30000	
Aroclor-1254-5	34000	36000	
AVG. Aroclor-1254	26000	28000	8

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSS1
LAB NUMBER: 278166
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	110	102	
Aroclor-1254-2	76	88	
Aroclor-1254-3	80	165	
Aroclor-1254-4	210	172	
Aroclor-1254-5	430	231	
AVG. Aroclor-1254	180	150	20

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSS2
LAB NUMBER: 278167
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	140	150	
Aroclor-1254-2	140	130	
Aroclor-1254-3	100	200	
Aroclor-1254-4	220	180	
Aroclor-1254-5	390	330	
AVG. Aroclor-1254	200	200	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSD1
LAB NUMBER: 278168
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	210	390	
Aroclor-1254-2	250	320	
Aroclor-1254-3	620	560	
Aroclor-1254-4	1350	810	
Aroclor-1254-5	1400	1500	
AVG. Aroclor-1254	770	720	7

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSD2
LAB NUMBER: 278169
UNITS: µg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	90	100	
Aroclor-1254-2	70	74	
Aroclor-1254-3	60	142	
Aroclor-1254-4	170	150	
Aroclor-1254-5	480	270	
AVG. Aroclor-1254	170	150	13

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIISS1
LAB NUMBER: 278170
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	300	130	
Aroclor-1254-2	250	205	
Aroclor-1254-3	220	310	
Aroclor-1254-4	370	310	
Aroclor-1254-5	350	450	
AVG. Aroclor-1254	300	280	7

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIISS2
LAB NUMBER: 278171
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	120	71	
Aroclor-1254-2	95	100	
Aroclor-1254-3	89	210	
Aroclor-1254-4	250	160	
Aroclor-1254-5	210	250	
AVG. Aroclor-1254	150	160	7

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIISD1
LAB NUMBER: 278172
UNITS: μg/kg

DATE EXTRACTED: 12/6/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	70	22	
Aroclor-1254-2	53	51	
Aroclor-1254-3	36	114	
Aroclor-1254-4	126	64	
Aroclor-1254-5	116	142	
AVG. Aroclor-1254	80	79	1

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIINS1
LAB NUMBER: 278174
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/9/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	1200	
Aroclor-1254-2	3500	2000	
Aroclor-1254-3	1900	4500	
Aroclor-1254-4	3200	3100	
Aroclor-1254-5	3000	3800	
AVG. Aroclor-1254	2800	2900	4

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIINS2
LAB NUMBER: 278175
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2000	1000	
Aroclor-1254-2	14000	3000	
Aroclor-1254-3	3000	19000	
Aroclor-1254-4	9000	7000	
Aroclor-1254-5	6000	11000	
AVG. Aroclor-1254	6800	8200	21

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIINS3
LAB NUMBER: 278176
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2100	1100	
Aroclor-1254-2	3200	1800	
Aroclor-1254-3	1700	4000	
Aroclor-1254-4	3000	2800	
Aroclor-1254-5	2700	3200	
AVG. Aroclor-1254	2500	2600	4

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIIND2
LAB NUMBER: 278177
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	500	930	
Aroclor-1254-2	1300	1110	
Aroclor-1254-3	1400	2010	
Aroclor-1254-4	2700	2300	
Aroclor-1254-5	2900	3200	
AVG. Aroclor-1254	1800	1900	6

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSS1
LAB NUMBER: 278178
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	8100	4200	
Aroclor-1254-2	10000	6700	
Aroclor-1254-3	6900	12000	
Aroclor-1254-4	9500	9800	
Aroclor-1254-5	9000	9900	
AVG. Aroclor-1254	8700	8500	2

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSS2
LAB NUMBER: 278179
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	5000	3000	
Aroclor-1254-2	8000	5000	
Aroclor-1254-3	5000	9000	
Aroclor-1254-4	8000	8000	
Aroclor-1254-5	7000	8000	
AVG. Aroclor-1254	6600	6600	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSD1
LAB NUMBER: 278180
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	280	730	
Aroclor-1254-2	1100	1000	
Aroclor-1254-3	1200	1500	
Aroclor-1254-4	1800	1800	
Aroclor-1254-5	2000	2200	
AVG. Aroclor-1254	1300	1400	8

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSD2
LAB NUMBER: 278181
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	360	670	
Aroclor-1254-2	989	900	
Aroclor-1254-3	1070	1700	
Aroclor-1254-4	1890	1700	
Aroclor-1254-5	1960	2100	
AVG. Aroclor-1254	1200	1400	17

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJNS1
LAB NUMBER: 278182
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	300	360	
Aroclor-1254-2	900	510	
Aroclor-1254-3	600	1120	
Aroclor-1254-4	1200	890	
Aroclor-1254-5	1200	1300	
AVG. Aroclor-1254	840	840	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJNS2
LAB NUMBER: 278183
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	150	200	
Aroclor-1254-2	1010	290	
Aroclor-1254-3	790	1460	
Aroclor-1254-4	850	400	
Aroclor-1254-5	390	800	
AVG. Aroclor-1254	640	630	2

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJND1
LAB NUMBER: 278184
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	78	85	
Aroclor-1254-2	110	71	
Aroclor-1254-3	70	230	
Aroclor-1254-4	500	180	
Aroclor-1254-5	260	270	
AVG. Aroclor-1254	200	170	18

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJND2
LAB NUMBER: 278185
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	128	470	
Aroclor-1254-2	780	730	
Aroclor-1254-3	1000	1400	
Aroclor-1254-4	2600	1900	
Aroclor-1254-5	3000	3000	
AVG. Aroclor-1254	1500	1500	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCSED (S)
LAB NUMBER: 278186
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1100	1280	
Aroclor-1254-2	628	616	
Aroclor-1254-3	507	790	
Aroclor-1254-4	438	718	
Aroclor-1254-5	450	548	
AVG. Aroclor-1254	620	790	27

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: CCCCSED (D)
LAB NUMBER: 278187
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	530	660	
Aroclor-1254-2	280	290	
Aroclor-1254-3	210	320	
Aroclor-1254-4	200	320	
Aroclor-1254-5	200	260	
AVG. Aroclor-1254	280	370	32

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSED (S)
LAB NUMBER: 278188
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1900	1000	
Aroclor-1254-2	1500	950	
Aroclor-1254-3	690	1700	
Aroclor-1254-4	800	1100	
Aroclor-1254-5	710	900	
AVG. Aroclor-1254	1100	1100	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: DDDDSED (D)
LAB NUMBER: 278189
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	120	43	
Aroclor-1254-2	43	54	
Aroclor-1254-3	43	32	
Aroclor-1254-4	40	44	
Aroclor-1254-5	31	80	
AVG. Aroclor-1254	55	50	10

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: EEEESED (S)
LAB NUMBER: 278190
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	470	380	
Aroclor-1254-2	580	460	
Aroclor-1254-3	390	610	
Aroclor-1254-4	440	540	
Aroclor-1254-5	380	460	
AVG. Aroclor-1254	450	490	9

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: FFFFSED (S)
LAB NUMBER: 278191
UNITS: µg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1700	1700	
Aroclor-1254-2	1200	1100	
Aroclor-1254-3	1100	1500	
Aroclor-1254-4	1100	1200	
Aroclor-1254-5	1000	1100	
AVG. Aroclor-1254	1200	1300	8

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGSED (S)
LAB NUMBER: 278192
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/10/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2200	1300	
Aroclor-1254-2	2000	1500	
Aroclor-1254-3	1100	2200	
Aroclor-1254-4	1400	1700	
Aroclor-1254-5	1300	1700	
AVG. Aroclor-1254	1600	1700	6

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: GGGGSED (D)
LAB NUMBER: 278193
UNITS: μg/Kg

DATE EXTRACTED: 12/8/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	12800	8800	
Aroclor-1254-2	8600	9200	
Aroclor-1254-3	8600	9800	
Aroclor-1254-4	9000	11200	
Aroclor-1254-5	8600	10000	
AVG. Aroclor-1254	9500	9800	3

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSED (S)
LAB NUMBER: 278194
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1800	1200	
Aroclor-1254-2	2500	1600	
Aroclor-1254-3	2000	1300	
Aroclor-1254-4	2100	2100	
Aroclor-1254-5	2000	2200	
AVG. Aroclor-1254	2100	1700	24

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: HHHHSED (D)
LAB NUMBER: 278195
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	7500	6000	
Aroclor-1254-2	3000	3000	
Aroclor-1254-3	4000	2000	
Aroclor-1254-4	2000	4000	
Aroclor-1254-5	2500	3000	
AVG. Aroclor-1254	3800	3600	5

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIISED (S)
LAB NUMBER: 278196
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	200	200	
Aroclor-1254-2	300	200	
Aroclor-1254-3	200	200	
Aroclor-1254-4	200	200	
Aroclor-1254-5	200	200	
AVG. Aroclor-1254	200	200	0

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: IIIISED (D)
LAB NUMBER: 278197
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	82	70	
Aroclor-1254-2	62	63	
Aroclor-1254-3	65	54	
Aroclor-1254-4	53	78	
Aroclor-1254-5	50	59	
AVG. Aroclor-1254	62	65	5

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSED (S)
LAB NUMBER: 278198
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	66	39	
Aroclor-1254-2	67	61	
Aroclor-1254-3	74	58	
Aroclor-1254-4	89	94	
Aroclor-1254-5	88	98	
AVG. Aroclor-1254	77	70	10

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: JJJJSED (D)
LAB NUMBER: 278199
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	17	19	
Aroclor-1254-2	27	22	
Aroclor-1254-3	28	20	
Aroclor-1254-4	40	36	
Aroclor-1254-5	39	42	
AVG. Aroclor-1254	30	28	7

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKSS1
LAB NUMBER: 278200
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	1500	
Aroclor-1254-2	4500	3500	
Aroclor-1254-3	4500	3500	
Aroclor-1254-4	5000	4500	
Aroclor-1254-5	4500	5500	
AVG. Aroclor-1254	4200	3700	14

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKSS2
LAB NUMBER: 278201
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	420	730	
Aroclor-1254-2	1000	690	
Aroclor-1254-3	1100	560	
Aroclor-1254-4	1900	1250	
Aroclor-1254-5	1600	1690	
AVG. Aroclor-1254	1200	980	22

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKSD1
LAB NUMBER: 278202
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1900	1400	
Aroclor-1254-2	8400	4000	
Aroclor-1254-3	6200	4300	
Aroclor-1254-4	9800	7800	
Aroclor-1254-5	7700	9400	
AVG. Aroclor-1254	6800	5400	26

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLSS1
LAB NUMBER: 278203
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	100	73	
Aroclor-1254-2	180	150	
Aroclor-1254-3	190	140	
Aroclor-1254-4	310	240	
Aroclor-1254-5	280	330	
AVG. Aroclor-1254	210	190	10

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLSS2
LAB NUMBER: 278204
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	106	64	
Aroclor-1254-2	206	137	
Aroclor-1254-3	184	122	
Aroclor-1254-4	275	214	
Aroclor-1254-5	330	344	
AVG. Aroclor-1254	220	180	22

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMSS1
LAB NUMBER: 278205
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1500	900	
Aroclor-1254-2	5050	3000	
Aroclor-1254-3	4100	3500	
Aroclor-1254-4	5500	4500	
Aroclor-1254-5	5500	6000	
AVG. Aroclor-1254	4300	3600	19

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMSS2
LAB NUMBER: 278206
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	69	126	
Aroclor-1254-2	920	108	
Aroclor-1254-3	71	77	
Aroclor-1254-4	501	281	
Aroclor-1254-5	200	279	
AVG. Aroclor-1254	350	170	106

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKNS1
LAB NUMBER: 278207
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3050	2150	
Aroclor-1254-2	6800	4500	
Aroclor-1254-3	5750	4500	
Aroclor-1254-4	7000	6500	
Aroclor-1254-5	6500	7000	
AVG. Aroclor-1254	5800	4900	18

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKNS2
LAB NUMBER: 278208
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2170	1380	
Aroclor-1254-2	4170	2500	
Aroclor-1254-3	3510	2300	
Aroclor-1254-4	4000	3700	
Aroclor-1254-5	3900	4200	
AVG. Aroclor-1254	3600	2800	29

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKNS3
LAB NUMBER: 278209
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3500	7500	
Aroclor-1254-2	7200	4500	
Aroclor-1254-3	6000	5000	
Aroclor-1254-4	7200	7000	
Aroclor-1254-5	6500	7500	
AVG. Aroclor-1254	6100	6300	3

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKND1
LAB NUMBER: 278210
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/14/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	2500	
Aroclor-1254-2	10000	10000	
Aroclor-1254-3	16000	12000	
Aroclor-1254-4	20000	17000	
Aroclor-1254-5	20000	20600	
AVG. Aroclor-1254	14000	12000	17

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: KKKKND2
LAB NUMBER: 278211
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/14/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3850	3250	
Aroclor-1254-2	2950	7750	
Aroclor-1254-3	4900	5700	
Aroclor-1254-4	5900	5500	
Aroclor-1254-5	6500	7000	
AVG. Aroclor-1254	4800	5800	21

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLNS1
LAB NUMBER: 278212
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1090	700	
Aroclor-1254-2	3870	1800	
Aroclor-1254-3	2850	2030	
Aroclor-1254-4	3690	3000	
Aroclor-1254-5	3630	3900	
AVG. Aroclor-1254	3000	2300	30

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLNS2
LAB NUMBER: 278213
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	980	600	
Aroclor-1254-2	2750	1440	
Aroclor-1254-3	2140	1470	
Aroclor-1254-4	2670	2300	
Aroclor-1254-5	2670	2900	
AVG. Aroclor-1254	2200	1700	29

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLND1
LAB NUMBER: 278214
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1800	2000	
Aroclor-1254-2	12000	5000	
Aroclor-1254-3	5000	15000	
Aroclor-1254-4	9000	8000	
Aroclor-1254-5	7800	10000	
AVG. Aroclor-1254	7100	8000	13

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: LLLLND2
LAB NUMBER: 278215
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	8000	
Aroclor-1254-2	11000	11000	
Aroclor-1254-3	14000	17000	
Aroclor-1254-4	20000	17000	
Aroclor-1254-5	20000	22000	
AVG. Aroclor-1254	14000	15000	7

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMNS1
LAB NUMBER: 278216
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1200	1880	
Aroclor-1254-2	2400	1400	
Aroclor-1254-3	1500	2900	
Aroclor-1254-4	2300	2200	
Aroclor-1254-5	2400	2600	
AVG. Aroclor-1254	2000	2000	0

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMNS2
LAB NUMBER: 278217
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	800	1440	
Aroclor-1254-2	1600	900	
Aroclor-1254-3	900	1800	
Aroclor-1254-4	1400	1400	
Aroclor-1254-5	1400	1700	
AVG. Aroclor-1254	1200	1400	17

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMND1
LAB NUMBER: 278218
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	850	1400	
Aroclor-1254-2	4000	1500	
Aroclor-1254-3	1650	5500	
Aroclor-1254-4	3550	3000	
Aroclor-1254-5	3000	3500	
AVG. Aroclor-1254	2600	3000	15

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: MMMMND2
LAB NUMBER: 278219
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1500	1500	
Aroclor-1254-2	6000	4000	
Aroclor-1254-3	4100	6500	
Aroclor-1254-4	5700	7000	
Aroclor-1254-5	6000	6500	
AVG. Aroclor-1254	4700	5100	9

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: NNNNNS1
LAB NUMBER: 278220
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4500	2500	
Aroclor-1254-2	5000	3500	
Aroclor-1254-3	3000	6000	
Aroclor-1254-4	4500	4500	
Aroclor-1254-5	4000	5000	
AVG. Aroclor-1254	4200	4300	2

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: NNNNNS2
LAB NUMBER: 278221
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	4500	
Aroclor-1254-2	4850	3200	
Aroclor-1254-3	3000	5500	
Aroclor-1254-4	4500	4550	
Aroclor-1254-5	4200	5000	
AVG. Aroclor-1254	3900	4600	18

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: NNNNNS3
LAB NUMBER: 278222
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	5000	2500	
Aroclor-1254-2	4800	3500	
Aroclor-1254-3	3000	5500	
Aroclor-1254-4	4000	4500	
Aroclor-1254-5	3900	4500	
AVG. Aroclor-1254	4100	4200	2

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: NNNNND1
LAB NUMBER: 278223
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2600	1500	
Aroclor-1254-2	3710	2000	
Aroclor-1254-3	1900	4600	
Aroclor-1254-4	3000	2900	
Aroclor-1254-5	2760	3300	
AVG. Aroclor-1254	2800	2900	4

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: NNNNND2
LAB NUMBER: 278224
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	140	280	
Aroclor-1254-2	330	240	
Aroclor-1254-3	220	400	
Aroclor-1254-4	300	330	
Aroclor-1254-5	250	340	
AVG. Aroclor-1254	250	320	28

QPC7395B.XLS

AMENDED REPORT MAY 2 8 19

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: OOOONS1
LAB NUMBER: 278225
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/11/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1300	2100	
Aroclor-1254-2	1600	1000	
Aroclor-1254-3	900	1800	
Aroclor-1254-4	1300	1400	
Aroclor-1254-5	1200	1400	
AVG. Aroclor-1254	1300	1500	15

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: OOOONS2
LAB NUMBER: 278226
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	4000	2000	
Aroclor-1254-2	4000	2500	
Aroclor-1254-3	2500	4500	
Aroclor-1254-4	3000	3500	
Aroclor-1254-5	3000	3500	
AVG. Aroclor-1254	3300	3200	3

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: OOOOND1
LAB NUMBER: 278227
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1000	500	
Aroclor-1254-2	4500	2000	
Aroclor-1254-3	1500	6000	
Aroclor-1254-4	5000	4000	
Aroclor-1254-5	4500	5000	
AVG. Aroclor-1254	3300	3500	6

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: OOOOND2
LAB NUMBER: 278228
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	8000	
Aroclor-1254-2	9000	8000	
Aroclor-1254-3	10000	12000	
Aroclor-1254-4	15000	15000	
Aroclor-1254-5	16000	16000	
AVG. Aroclor-1254	11000	12000	9

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: PPPPNS1
LAB NUMBER: 278229
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	2000	
Aroclor-1254-2	4500	3000	
Aroclor-1254-3	3000	5000	
Aroclor-1254-4	4000	4000	
Aroclor-1254-5	3500	4500	
AVG. Aroclor-1254	3600	3700	3

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: PPPPNS2
LAB NUMBER: 278230
UNITS: µg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	7000	3000	
Aroclor-1254-2	7000	5000	
Aroclor-1254-3	5000	8000	
Aroclor-1254-4	6000	7000	
Aroclor-1254-5	5000	6000	
AVG. Aroclor-1254	6000	5800	3

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: PPPPND1
LAB NUMBER: 278231
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/12/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	1000	1600	
Aroclor-1254-2	3700	1300	
Aroclor-1254-3	1200	4800	
Aroclor-1254-4	2700	2500	
Aroclor-1254-5	2400	2800	
AVG. Aroclor-1254	2200	2600	18

QPC7395B.XLS

AMENDED REPORT MAY 2 8 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
INSTRUMENT ID: 58902
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: PPPPND2
LAB NUMBER: 278232
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	3000	2000	
Aroclor-1254-2	29000	6000	
Aroclor-1254-3	5000	34000	
Aroclor-1254-4	12000	7000	
Aroclor-1254-5	7000	10000	
AVG. Aroclor-1254	11000	12000	9

QPC7395B.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: QQQQNS1
LAB NUMBER: 278233
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	2150	
Aroclor-1254-2	5000	3500	
Aroclor-1254-3	4500	3500	
Aroclor-1254-4	5500	5200	
Aroclor-1254-5	5000	6000	
AVG. Aroclor-1254	4500	4100	10

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: QQQQNS2
LAB NUMBER: 278234
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	2150	
Aroclor-1254-2	5000	3500	
Aroclor-1254-3	4500	3500	
Aroclor-1254-4	5000	5200	
Aroclor-1254-5	4500	5500	
AVG. Aroclor-1254	4300	4000	7

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ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: QQQQNS3
LAB NUMBER: 278235
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	2500	2000	
Aroclor-1254-2	5500	3500	
Aroclor-1254-3	4500	3500	
Aroclor-1254-4	5500	5300	
Aroclor-1254-5	5000	6000	
AVG. Aroclor-1254	4600	4100	12

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: QQQQND1
LAB NUMBER: 278236
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	6000	5000	
Aroclor-1254-2	43000	10000	
Aroclor-1254-3	11000	7000	
Aroclor-1254-4	18000	16000	
Aroclor-1254-5	11000	17000	
AVG. Aroclor-1254	17800	11000	62

QPC7396.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE RESULT COMPARISON
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
INSTRUMENT ID: 58905
GC COLUMNS USED: RTx-50(PRIMARY)
RTx-1701(CONF.)

METHOD: 8080
MATRIX: SOIL

SAMPLE ID: QQQQND2
LAB NUMBER: 278237
UNITS: μg/kg

DATE EXTRACTED: 12/9/97
DATE ANALYZED: 12/13/97

COMPOUND NAME	CONC. PRIMARY	CONC. CONF.	%D
Aroclor-1254-1	9000	8000	
Aroclor-1254-2	32000	11000	
Aroclor-1254-3	12000	9000	
Aroclor-1254-4	16000	16000	
Aroclor-1254-5	12000	17000	
AVG. Aroclor-1254	16000	12000	33

QPC7396.XLS

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Form 3

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7390
SPIKED SAMPLE: 278120
METHOD: 8080
MATRIX: SOIL
MOISTURE: 28.18%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	460	U	601 ~~720~~	131 ~~157~~	622 ~~750~~	135 ~~163~~	25	3 ~~4~~
Aroclor-1260	460	U	~~1790~~	~~389~~ *	~~1880~~	~~409~~ *	25	5 ~~4~~ 7
			1059	230	1108	241		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278120, 278121, 278123, 278124, 278125, 278126, 278127, 278128, 278129, 278130, 278131, 248132, 278133, 278134, 278135, 278136

QPC7390B.XLS

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD2B.CH
Acq On : 8 Dec 97 00:28 Operator:
Sample : 278120 S Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:29 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.24	5.08	585038	852306	42.524	42.855
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.31%	107.14%
2) SA Decachlorobiphen	25.89	21.44	981560	986642	42.187	45.405
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.47%	113.51%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.51	319242	493178	959.261m	1074.835
4) L1 Aroclor-1016{2}	9.35	7.59	798070	1042697	1177.133	1197.304
5) L1 Aroclor-1016{3}	10.55	8.85	1534028	2202352	1201.263	1186.726
6) L1 Aroclor-1016{4}	11.01	9.23	490161	1469649	1108.429	1742.464 #
7) L1 Aroclor-1016{5}	12.54	10.56	1521052	2189529	~~2329.996~~	~~2599.032~~
Sum Aroclor-1016			4662554	7397405	~~6776.082~~	~~7800.361~~
Average Aroclor-1016					~~1355.216~~	~~1560.072~~
					4446.086 sum	5201.329
					AVERAGE	1111.522 1300.332
8) L2 Aroclor-1221{1}	5.19	5.95	71491	101770	551.357	372.674 #
9) L2 Aroclor-1221{2}	7.43	6.36	60945	131646	642.269	760.321
10) L2 Aroclor-1221{3}	7.85	6.51	101580	493178	737.610	770.027
11) L2 Aroclor-1221{4}	8.02	8.85	702686	2202352	1722.732	16034.847 #
Sum Aroclor-1221			936703	2928946	3653.968	17937.868
Average Aroclor-1221					913.492 NP	4484.467 NP
12) L3 Aroclor-1232{1}	8.02	6.51	702686	493178	2424.783	1193.311 #
13) L3 Aroclor-1232{2}	9.35	7.59	798070	1042697	2569.862	2840.628
14) L3 Aroclor-1232{3}	10.55	8.85	1534028	2202352	3016.377	2927.098
15) L3 Aroclor-1232{4}	12.54	9.23	1521052	1469649	4822.609	4356.308
16) L3 Aroclor-1232{5}	13.46	10.56	1129190	2189529	4977.910	5743.597
Sum Aroclor-1232			5685027	7397405	17811.541	17060.943
Average Aroclor-1232					3562.308 NP	3412.189 NP
17) L4 Aroclor-1242{1}	8.02	6.51	702686	493178	2696.216	1352.341 #
18) L4 Aroclor-1242{2}	9.35	7.59	798070	1042697	1484.516	1606.895
19) L4 Aroclor-1242{3}	10.55	8.85	1534028	2202352	1578.177	1578.990
20) L4 Aroclor-1242{4}	11.01	9.23	490161	1469649	1477.484	2401.749 #
21) L4 Aroclor-1242{5}	12.54	10.56	1521052	2189529	2729.475	3310.142
Sum Aroclor-1242			5045998	7397405	9965.869	10250.117
Average Aroclor-1242					1993.174 NP	2050.023 NP

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD2B.CH
Acq On : 8 Dec 97 00:28 Operator:
Sample : 278120 S Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:29 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.35	7.59	798070	1042697	2775.787	2929.184
23) L5	Aroclor-1248{2}	10.55	8.85	1534028	2202352	1828.706	1816.343
24) L5	Aroclor-1248{3}	12.54	10.56	1521052	2189529	1999.965	2330.242
25) L5	Aroclor-1248{4}	13.46	10.83	1129190	1460678	1589.766	1684.048
26) L5	Aroclor-1248{5}	15.62	13.53	9388092	10743065	28280.677	30354.226
Sum	Aroclor-1248			14370433	17638322	36474.901	39114.043
Average	Aroclor-1248					7294.980 NP	7822.809 NP
27) L6	Aroclor-1254{1}	11.62	9.88	1292247	3180760	3454.051	5160.347m#
28) L6	Aroclor-1254{2}	13.81	11.71	4877595	5939283	8219.639	4808.430 #
29) L6	Aroclor-1254{3}	15.62	12.23	9388092	5074840	7225.297	5135.322 #
30) L6	Aroclor-1254{4}	16.54	13.53	6240353	10743065	9991.924	7672.467
31) L6	Aroclor-1254{5}	17.76	15.61	11781357	14053785	9713.462	10230.723
Sum	Aroclor-1254			33579643	38991733	38604.373	33007.288
Average	Aroclor-1254					7720.875	6601.458
32) L7	Aroclor-1260{1}	16.16	13.98	4527442	6135400	~~4660.179~~	~~5592.255m~~
33) L7	Aroclor-1260{2}	16.54	14.62	6240353	7086630	~~5293.376~~	4867.489m
34) L7	Aroclor-1260{3}	18.96	15.61	3502287	13930518	4221.456	~~7340.265m#~~
35) L7	Aroclor-1260{4}	19.49	17.44	4550690	5270610	2374.339m	2363.701
36) L7	Aroclor-1260{5}	20.83	18.44	3400208	3633524	2175.946	2230.789
Sum	Aroclor-1260			22220980	36056683	~~18725.297~~	~~22394.498~~
Average	Aroclor-1260					~~3745.059~~	~~4478.900~~
					Sum	8771.741	9461.779
					Avg	2923.919	3153.993

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MW 12/8/97

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

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1578.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDATA\EA1578.D\ECD2B.CH
Acq On : 8 Dec 97 00:28 Operator:
Sample : 278120 S Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:48 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.24	5.08	591681	853019	41.600	39.396	
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.00%	98.49%	
2) SA Decachlorobiphen	25.89	21.44	992550	954048	42.201	41.819	
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.50%	104.55%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.02	6.51	728044	490612	2214.629	1065.507	#
4) L1 Aroclor-1016{2}	9.35	7.59	801066	1042417	1180.826	1193.160	
5) L1 Aroclor-1016{3}	10.55	8.85	1544204	2202183	1206.873	1183.008	
6) L1 Aroclor-1016{4}	11.01	9.23	500190	1469450	1127.813	1736.905	#
7) L1 Aroclor-1016{5}	~~12.54~~	~~10.56~~	1574585	2189398	~~2402.858~~	~~2590.930~~	
Sum Aroclor-1016			5148089	7394060	~~8133.000~~	~~7769.510~~	
Average Aroclor-1016					~~1626.600~~ 1432.54	~~1553.902~~ 1294.64	
8) L7 Aroclor-1260{1}	~~16.16~~	~~13.98~~	4619437	6261994	~~4726.822~~	~~5686.881~~	
9) L7 Aroclor-1260{2}	~~16.54~~	~~14.62~~	6370414	7309783	~~5362.810~~	~~4983.455~~	
10) L7 Aroclor-1260{3}	~~18.96~~	~~15.61~~	3799134	14053785	~~4540.151~~	~~7340.793~~	#
11) L7 Aroclor-1260{4}	19.49	17.44	4775582	5270610	2442.809	2347.408	
12) L7 Aroclor-1260{5}	20.83	18.44	3533268	3633845	2184.918	2217.008	
Sum Aroclor-1260			23097835	36530017	~~19257.510~~	~~22575.545~~	
Average Aroclor-1260					~~3851.502~~ 2313.86	~~4515.109~~ 2282.208	

2005/18/18

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

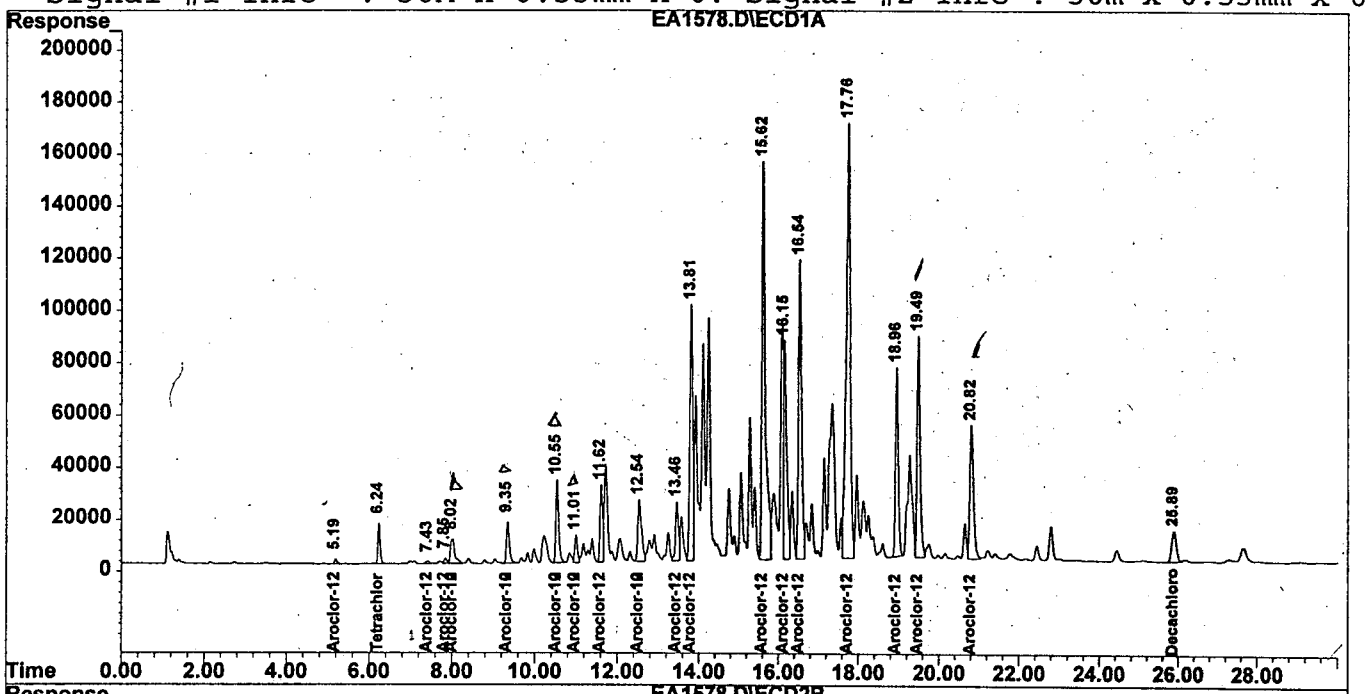
1055A

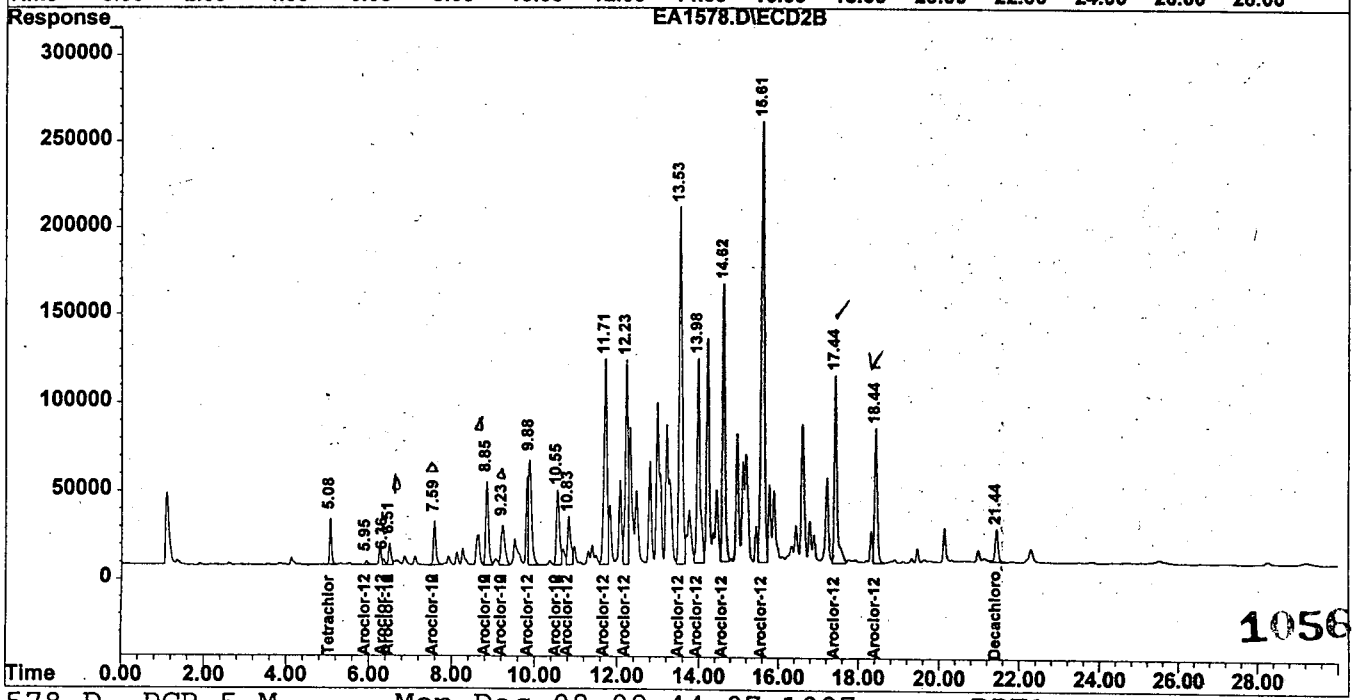
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD1A.CH Vial: 9
Signal #2 : C:\HPCHEM\1\DATA_E\EA1578.D\ECD2B.CH
Acq On : 8 Dec 97 00:28 Operator:
Sample : 278120 S Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:29 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





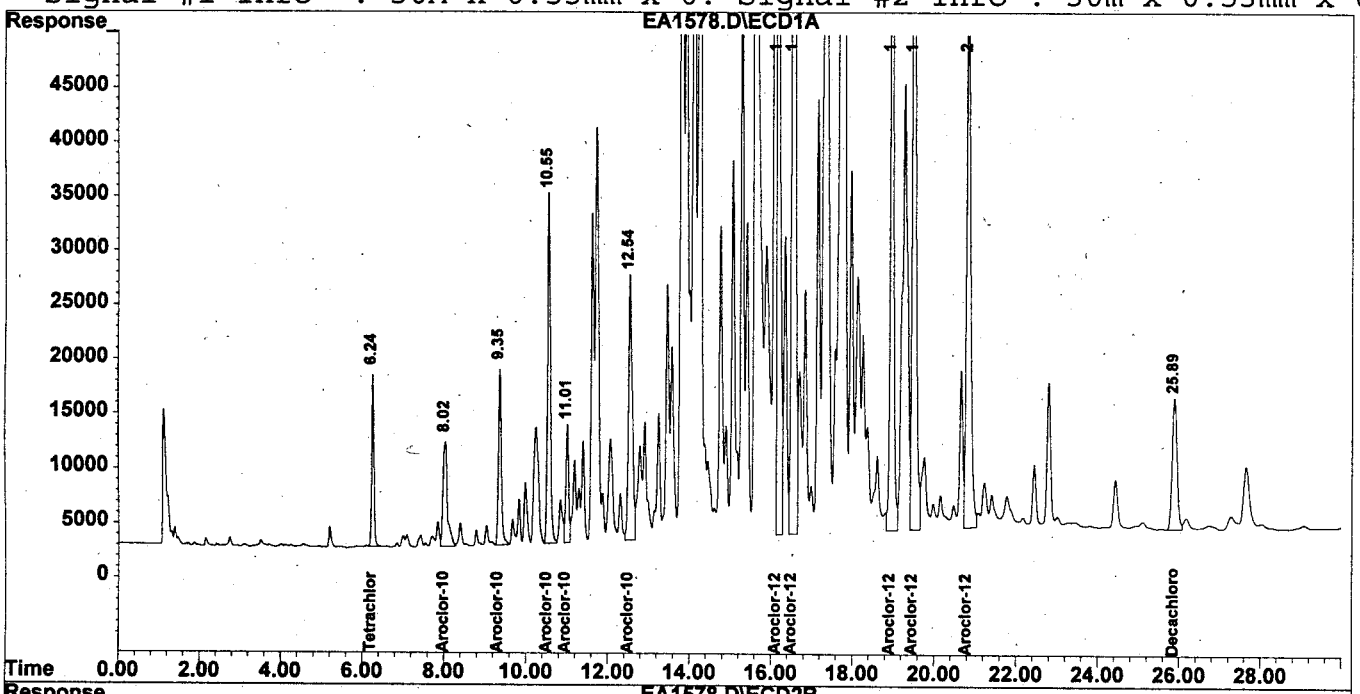
1056

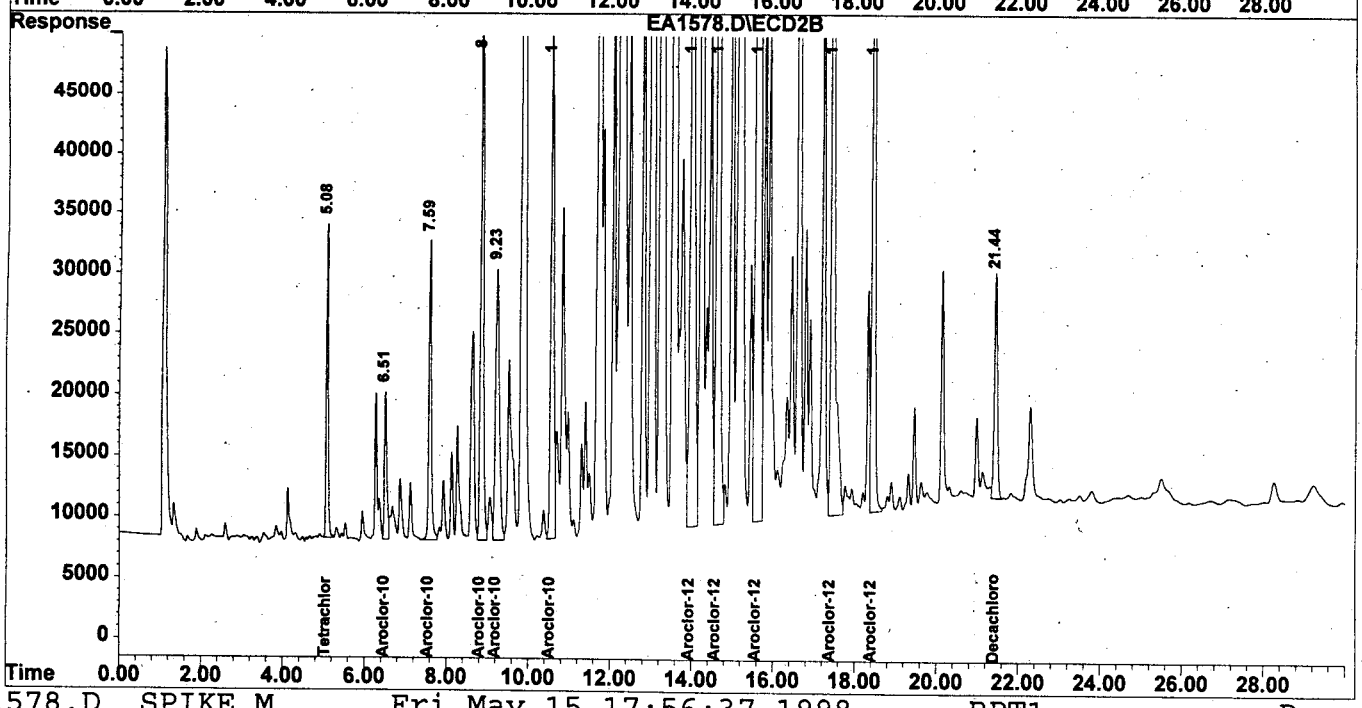
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1578.D\ECD1A.CH Vial: 9
Signal #2 : E:\WESTDATA\EA1578.D\ECD2B.CH
Acq On : 8 Dec 97 00:28 Operator:
Sample : 278120 S Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:48 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1056A

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1579.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1579.D\ECD2B.CH
Acq On : 8 Dec 97 1:02 Operator:
Sample : 278120 SD Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	599238	879525	43.556	44.223
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.89%	110.56%
2) SA Decachlorobiphen	25.92	21.45	1082838	1110723	46.540	51.115m
Spiked Amount 40.000 Range 24 - 154 Recovery =					116.35%	127.79%
Target Compounds						
3) L1 Aroclor-1016{1}	8.03	6.52	354694	490158	1065.787m	1068.253
4) L1 Aroclor-1016{2}	9.36	7.60	858330	1082673	1266.014	1243.208
5) L1 Aroclor-1016{3}	10.56	8.86	1618724	2328303	1267.586	1254.594
6) L1 Aroclor-1016{4}	11.02	9.24	506959	1529553	1146.415	1813.488 #
7) L1 Aroclor-1016{5}	12.55	10.56	1590216	2288789	~~2435.943~~	~~2716.856~~
Sum Aroclor-1016			4928922	7719477	~~7181.746~~	~~8096.400~~
Average Aroclor-1016					~~1436.349~~	~~1619.280~~
					4745.403	5379.544
					1186.451	1344.886
8) L2 Aroclor-1221{1}	5.20	5.96	76299	96024	588.434	351.634 #
9) L2 Aroclor-1221{2}	7.44	6.37	51241	127526	540.001	736.525 #
10) L2 Aroclor-1221{3}	7.86	6.52	84061	490158	610.393	765.311 #
11) L2 Aroclor-1221{4}	8.03	8.86	722751	2328303	1771.924	16951.872 #
Sum Aroclor-1221			934351	3042011	3510.752	18805.342
Average Aroclor-1221					877.688 NP	4701.336 NP
12) L3 Aroclor-1232{1}	8.03	6.52	722751	490158	2494.021	1186.004 #
13) L3 Aroclor-1232{2}	9.36	7.60	858330	1082673	2763.903	2949.537
14) L3 Aroclor-1232{3}	10.56	8.86	1618724	2328303	3182.914	3094.498
15) L3 Aroclor-1232{4}	12.55	9.24	1590216	1529553	5041.899	4533.873
16) L3 Aroclor-1232{5}	13.47	10.56	1224804	2288789	5399.414	6003.978
Sum Aroclor-1232			6014825	7719477	18882.152	17767.889
Average Aroclor-1232					3776.430 NP	3553.578 NP
17) L4 Aroclor-1242{1}	8.03	6.52	722751	490158	2773.206	1344.060 #
18) L4 Aroclor-1242{2}	9.36	7.60	858330	1082673	1596.607	1668.503
19) L4 Aroclor-1242{3}	10.56	8.86	1618724	2328303	1665.310	1669.292
20) L4 Aroclor-1242{4}	11.02	9.24	506959	1529553	1528.118	2499.645 #
21) L4 Aroclor-1242{5}	12.55	10.56	1590216	2288789	2853.587	3460.204
Sum Aroclor-1242			5296980	7719477	10416.828	10641.704
Average Aroclor-1242					2083.366 NP	2128.341 NP

1057

Dmm 12/8/97

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1579.D\ECD1A.CH Vial: 10
Signal #2 : C:\HPCHEM\1\DATA_E\EA1579.D\ECD2B.CH
Acq On : 8 Dec 97 1:02 Operator:
Sample : 278120 SD Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 8 9:31 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Nov 18 10:56:21 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.36	7.60	858330	1082673	2985.377	3041.488
23) L5	Aroclor-1248{2}	10.56	8.86	1618724	2328303	1929.671	1920.219
24) L5	Aroclor-1248{3}	12.55	10.56	1590216	2288789	2090.906	2435.882
25) L5	Aroclor-1248{4}	13.47	10.84	1224804	1805751	1724.379	2081.890
26) L5	Aroclor-1248{5}	15.63	13.54	9821753	11250414	29587.037	31787.725
Sum	Aroclor-1248			15113827	18755931	38317.370	41267.203
Average	Aroclor-1248					7663.474	8253.441
27) L6	Aroclor-1254{1}	11.63	9.88	1332601	4956839	3561.913	8041.792 #
28) L6	Aroclor-1254{2}	13.82	11.72	5136808	6263090	8656.461	5070.583 #
29) L6	Aroclor-1254{3}	15.63	12.24	9821753	5293791	7559.053	5356.881 #
30) L6	Aroclor-1254{4}	16.55	13.54	6498282	11250414	10404.914	8034.805
31) L6	Aroclor-1254{5}	17.77	15.62	12297004	14724783	10138.602	10719.189
Sum	Aroclor-1254			35086449	42488916	40320.943	37223.249
Average	Aroclor-1254					8064.189	7444.650
32) L7	Aroclor-1260{1}	16.17	13.99	4704375	6563306	~~4842.300~~	~~5982.280~~
33) L7	Aroclor-1260{2}	16.55	14.63	6498282	7647416	~~5512.164~~	5252.668
34) L7	Aroclor-1260{3}	18.97	15.62	3652651	14724783	4402.696	~~7758.779~~ #
35) L7	Aroclor-1260{4}	19.51	17.45	4640016	5535310	2420.945m	2482.410
36) L7	Aroclor-1260{5}	20.84	18.45	3487020	3783358	2231.501	2322.778
Sum	Aroclor-1260			22982344	38254173	~~19409.607~~	~~23798.915~~
Average	Aroclor-1260					~~3881.921~~	~~4759.783~~
						Sum 9055.142	10657.856
						Avg 3018.381	3552.619

1058

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

ICM Laboratories Quantitation Report

(QT Reviewed)
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1579.D\ECD1A.CH
Signal #2 : E:\WESTDATA\EA1579.D\ECD2B.CH
Acq On : 8 Dec 97 1:02
Sample : 278120 SD
Misc : QPC7390
IntFile Signal #1: EVENTS.E
Quant Time: May 15 17:48 1998

Vial: 10
Operator:
Inst : GC_5890_5
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50
Signal #1 Info : 30M X 0.53mm x 0.
Signal #2 Phase: RTx-1701
Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	607603	879762	42.719	40.631
Spiked Amount 40.000 Range 43 - 150 Recovery =					106.80%	101.58%
2) SA Decachlorobiphen	25.92	21.45	1102761	1407811	46.886	61.709 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.22%	154.27%#
Target Compounds						
3) L1 Aroclor-1016{1}	8.03	6.52	722466	489603	2197.660	1063.315 #
4) L1 Aroclor-1016{2}	9.36	7.60	863497	1082671	1272.854	1239.235
5) L1 Aroclor-1016{3}	10.56	8.86	1634213	2328317	1277.220	1250.767
6) L1 Aroclor-1016{4}	11.02	9.24	520617	1529564	1173.871	1807.961 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.56~~	1658753	2288789	~~2531.301~~	~~2708.549~~
Sum Aroclor-1016			5399546	7718944	8452.906	8069.827
Average Aroclor-1016					~~1690.581~~ 1480.40	~~1613.965~~ 1340.32
8) L7 Aroclor-1260{1}	~~16.17~~	~~13.99~~	4819999	6563306	~~4932.046~~	~~5960.520~~
9) L7 Aroclor-1260{2}	~~16.55~~	~~14.63~~	6662914	7647416	~~5609.045~~	~~5213.637~~
10) L7 Aroclor-1260{3}	~~18.97~~	~~15.62~~	4093989	14724783	~~4892.517~~	~~7691.279~~ #
11) L7 Aroclor-1260{4}	19.51	17.45	4967902	5535310	2541.185	2465.299
12) L7 Aroclor-1260{5}	20.84	18.45	3661280	3783719	2264.079	2308.446
Sum Aroclor-1260			24206084	38254535	20238.872	23639.182
Average Aroclor-1260					~~4047.774~~ 2402.63	~~4727.836~~ 2386.87

5/15/98

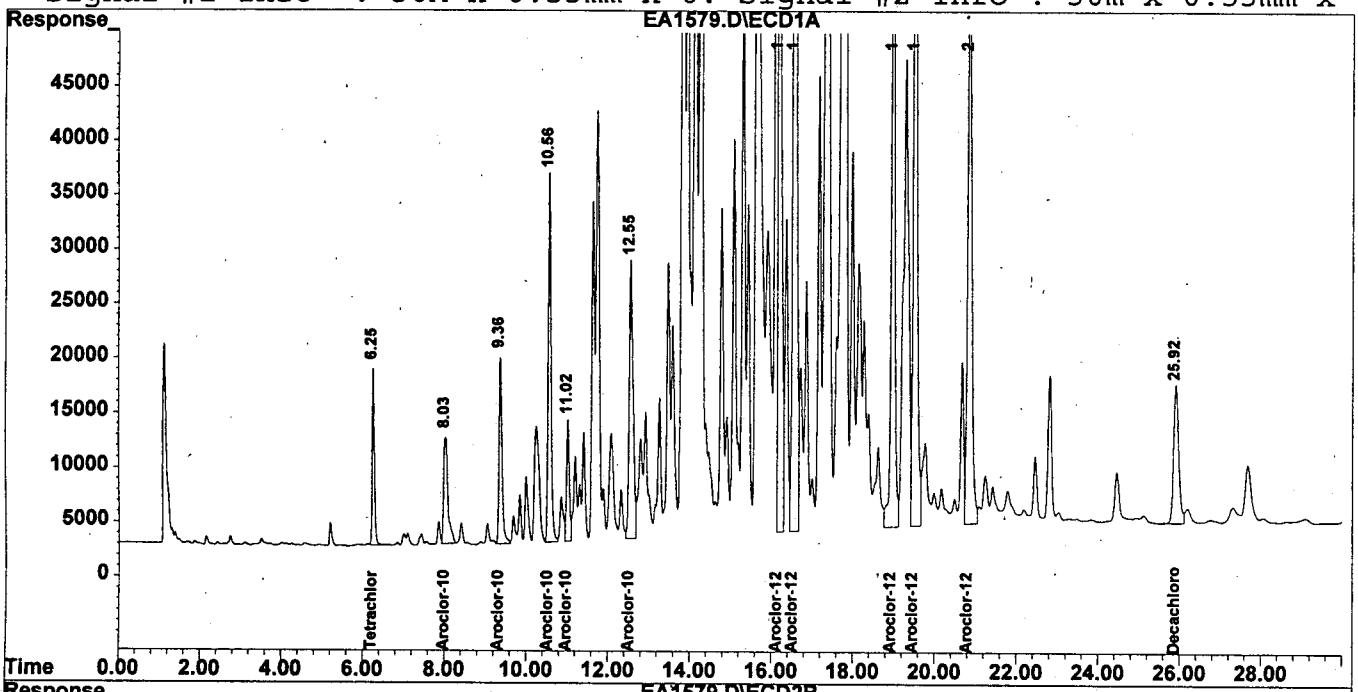
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

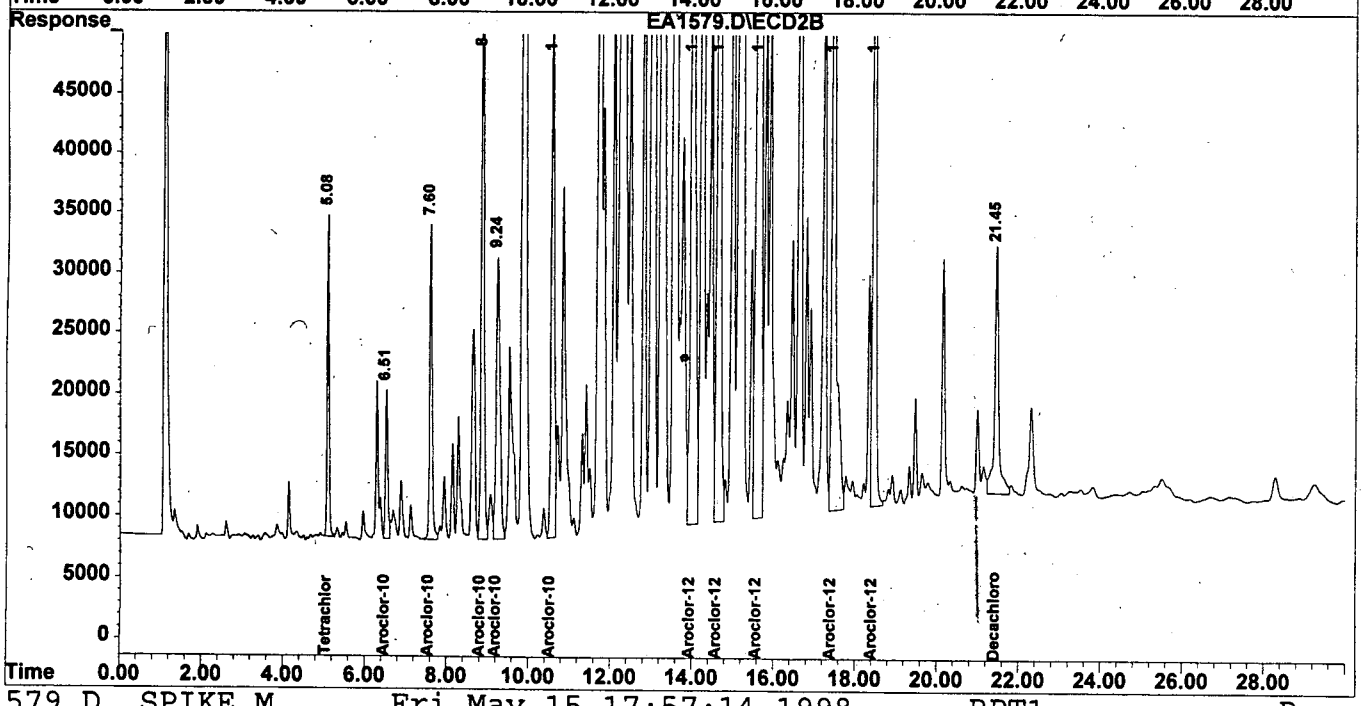
Quantitation Report AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1579.D\ECD1A.CH Vial: 10
Signal #2 : E:\WESTDATA\EA1579.D\ECD2B.CH
Acq On : 8 Dec 97 1:02 Operator:
Sample : 278120 SD Inst : GC_5890_5
Misc : QPC7390 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:48 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1059A

AMENDED REPORT MAY 30 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
SPIKED SAMPLE: 278137
METHOD: 8080
MATRIX: SOIL
MOISTURE: 20.55%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
			447	97	521	124		
Aroclor-1016	420	U	~~510~~	~~121~~	~~530~~	~~126~~	25	~~4~~ 24
Aroclor-1260	420	U	~~1220~~	~~290~~ *	~~1280~~	~~305~~ *	25	~~5~~ 67
			699	152	740	161		91

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278137, 278138, 278139, 279140, 278141, 278142, 278143, 278144, 278145, 278146, 278147, 278148, 278149, 278150, 278151, 278152, 278153

QPC7391B.XLS

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.23	5.06	553907	749969	40.261	37.709	
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.65%	94.27%	
2) SA Decachlorobiphen	25.83	21.40	824800	772337	35.449	35.543	
Spiked Amount 40.000 Range 24 - 154 Recovery =					88.62%	88.86%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.02	6.49	521242	436294	1566.231	950.861	#
4) L1 Aroclor-1016{2}	9.34	7.56	743246	892197	1096.269	1024.489	
5) L1 Aroclor-1016{3}	10.53	8.82	1308328	1936280	1024.522	1043.354	
6) L1 Aroclor-1016{4}	10.99	9.21	466987	997521	1056.024	1182.694	
7) L1 Aroclor-1016{5}	12.52	10.53	880410	1494737	1348.640	1774.295	#
Sum Aroclor-1016			3920213	5757029	6091.686	5975.693	
Average Aroclor-1016					1218.337	1195.139	
8) L2 Aroclor-1221{1}	0.00	5.93	0	123661	N.D.	452.841	#
9) L2 Aroclor-1221{2}	7.37	6.34	109154	104361	1150.323	602.738	#
10) L2 Aroclor-1221{3}	7.83	6.49	96613	436294	701.538	681.210	
11) L2 Aroclor-1221{4}	8.02	8.82	521242	1936280	1277.896	14097.632	#
Sum Aroclor-1221			727009	2600596	3129.757	15834.421	
Average Aroclor-1221					1043.252 NP	3958.605 NP	
12) L3 Aroclor-1232{1}	8.02	6.49	521242	436294	1798.666	1055.672	#
13) L3 Aroclor-1232{2}	9.34	7.56	743246	892197	2393.323	2430.620	
14) L3 Aroclor-1232{3}	10.53	8.82	1308328	1936280	2572.581	2573.467	
15) L3 Aroclor-1232{4}	12.52	9.21	880410	997521	2791.405	2956.835	
16) L3 Aroclor-1232{5}	13.44	10.53	545938	1494737	2406.708	3921.012	#
Sum Aroclor-1232			3999164	5757029	11962.683	12937.606	
Average Aroclor-1232					2392.537 NP	2587.521 NP	
17) L4 Aroclor-1242{1}	8.02	6.49	521242	436294	2000.011	1196.360	#
18) L4 Aroclor-1242{2}	9.34	7.56	743246	892197	1382.536	1374.960	
19) L4 Aroclor-1242{3}	10.53	8.82	1308328	1936280	1345.982	1388.228	
20) L4 Aroclor-1242{4}	10.99	9.21	466987	997521	1407.631	1630.182	
21) L4 Aroclor-1242{5}	12.52	10.53	880410	1494737	1579.864	2259.752	#
Sum Aroclor-1242			3920213	5757029	7716.025	7849.482	
Average Aroclor-1242					1543.205 NP	1569.896 NP	

1061

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.34	7.56	743246	892197	2585.102	2506.394
23) L5	Aroclor-1248{2}	10.53	8.82	1308328	1936280	1559.650	1596.906
24) L5	Aroclor-1248{3}	12.52	10.53	880410	1494737	1157.613	1590.799 #
25) L5	Aroclor-1248{4}	13.44	10.80	545938	858969	768.616	990.324 #
26) L5	Aroclor-1248{5}	15.60	13.50	4807304	6070832	14481.516	17152.963
Sum	Aroclor-1248			8285226	11253015	20552.497	23837.385
Average	Aroclor-1248					4110.499	4767.477
27) L6	Aroclor-1254{1}	11.60	9.85	558821	2255262	1493.673	3658.853 #
28) L6	Aroclor-1254{2}	13.79	11.68	2681129	2858231	4518.193	2314.017 #
29) L6	Aroclor-1254{3}	15.60	12.20	4807304	2746447	3699.814	2779.179
30) L6	Aroclor-1254{4}	16.54	13.50	7780783	6070832	12458.429	4335.658 #
31) L6	Aroclor-1254{5}	17.74	15.58	7687059	8718098	6337.806	6346.507
Sum	Aroclor-1254			23515095	22648869	28507.915	19434.214
Average	Aroclor-1254					5701.583	3886.843
32) L7	Aroclor-1260{1}	16.14	14.06	2936205	1980427	3022.290	1805.107 #
33) L7	Aroclor-1260{2}	16.54	14.59	7780783	4934189	6600.045	3389.074 #
34) L7	Aroclor-1260{3}	18.93	15.58	2346694	8718098	2828.570	4593.738 #
35) L7	Aroclor-1260{4}	19.47	17.40	3488337	4103176	1820.053	1840.144
Sum	Aroclor-1260			16552020	19735891	14270.958	11628.063
Average	Aroclor-1260					3567.740	2907.016

1062

12/18/97

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

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\WESTDA~1\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:01 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.06	553907	791190	38.944	36.541
Spiked Amount 40.000 Range 43 - 150 Recovery =					97.36%	91.35%
2) SA Decachlorobiphen	25.83	21.40	813724	771470	34.597m	33.816m
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.49%	84.54%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.49	521242	451360	1585.559	980.260 #
4) L1 Aroclor-1016{2}	9.34	7.56	743246	908953	1095.596	1040.396
5) L1 Aroclor-1016{3}	10.53	8.82	1308328	1950419	1022.524	1047.761
6) L1 Aroclor-1016{4}	10.99	9.21	466987	1012773	1052.947	1197.108
7) L1 Aroclor-1016{5}	~~12.52~~	~~10.53~~	~~880410~~	~~1514090~~	~~1343.529~~	~~1791.771~~ #
Sum Aroclor-1016			3920213	5837595	6100.156	6057.297
Average Aroclor-1016					~~1220.031~~ 1189.16	~~1211.459~~ 1066.38
8) L7 Aroclor-1260{1}	~~16.14~~	~~13.95~~	~~2936205~~	~~3434140~~	~~3004.461~~	~~3118.743~~
9) L7 Aroclor-1260{2}	~~16.54~~	~~14.59~~	~~7780783~~	~~4949463~~	~~6550.102~~	~~3374.303~~ #
10) L7 Aroclor-1260{3}	~~18.93~~	~~15.58~~	~~2346694~~	~~8733265~~	~~2804.414~~	~~4561.696~~ #
11) L7 Aroclor-1260{4}	19.47	17.40	3488337	4126938	1784.357	1838.043
12) L7 Aroclor-1260{5}	20.80	18.41	2503117	2786267	1547.889	1699.901
Sum Aroclor-1260			19055137	24030073	15691.223	14592.685
Average Aroclor-1260					~~3138.245~~ 1666.12	~~2918.537~~ 1768.97

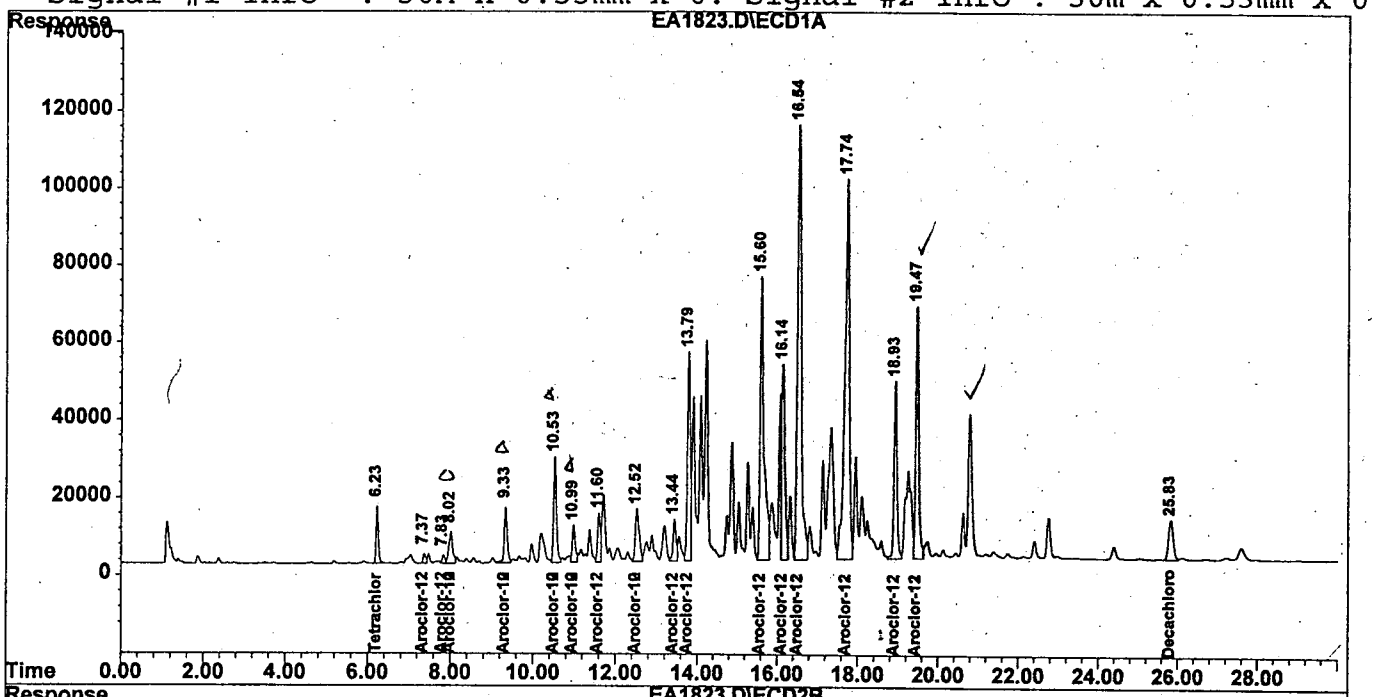
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

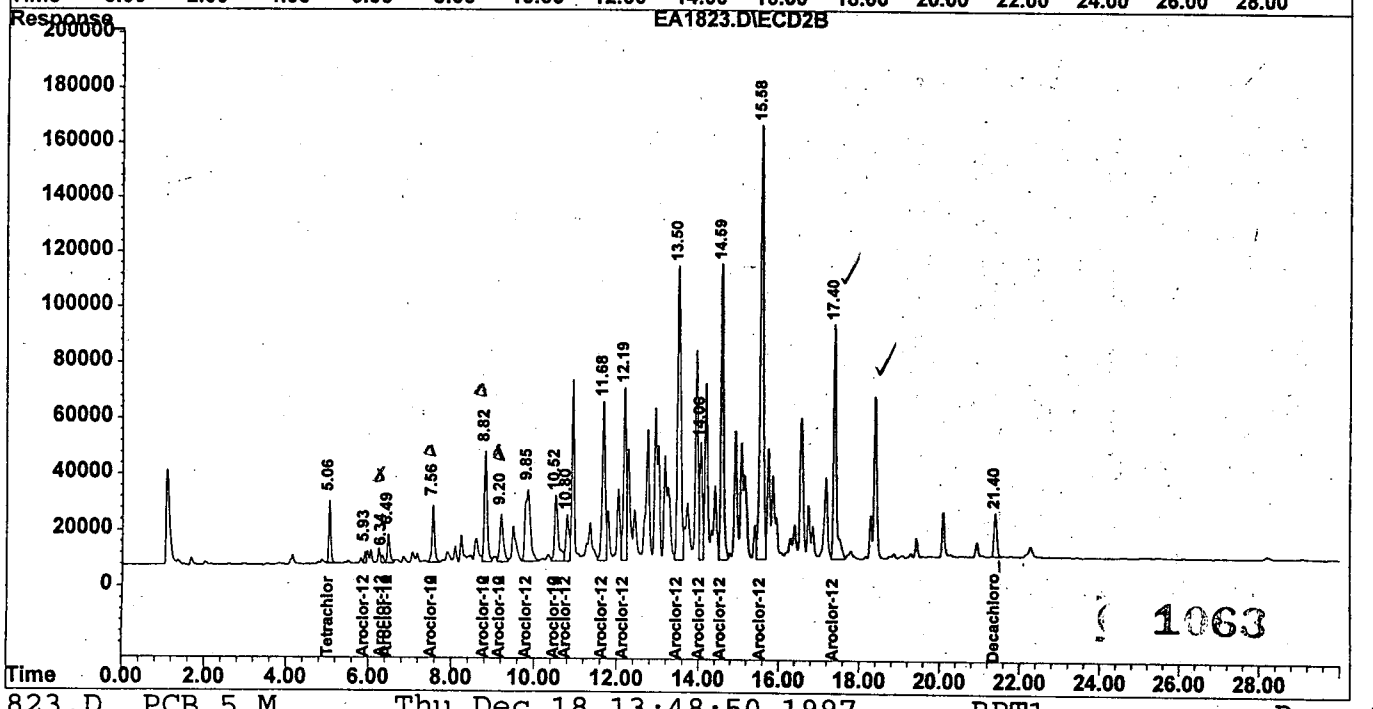
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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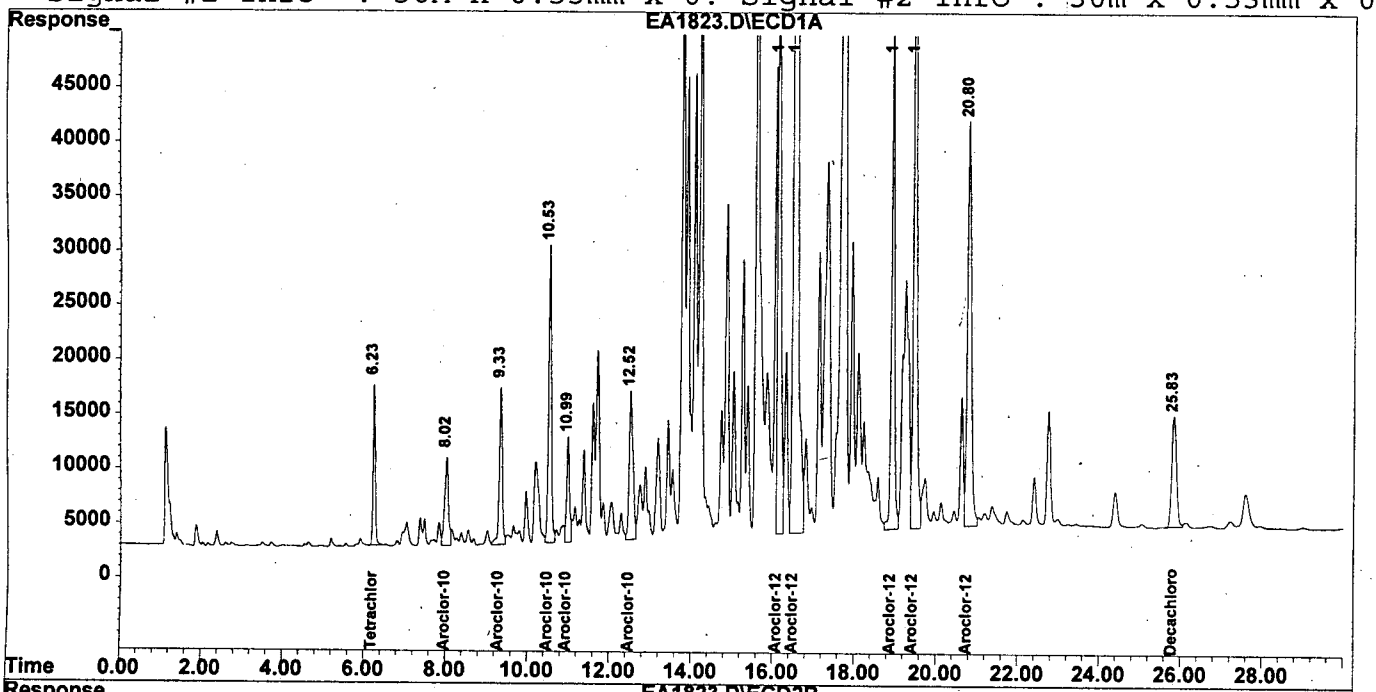
Quantitation Report

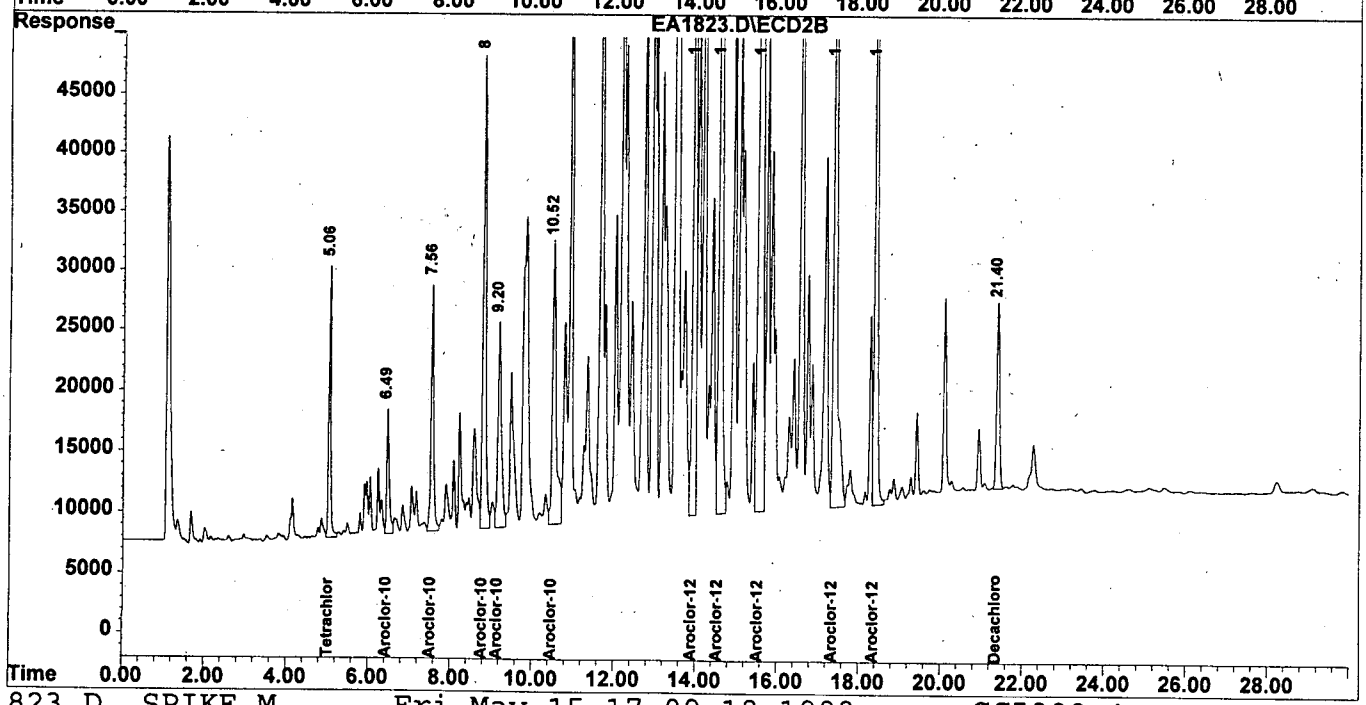
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\WESTDA~1\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:01 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1063A

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	579352	801713	42.111	40.311
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.28%	100.78%
2) SA Decachlorobiphen	25.84	21.41	878669	806514	37.765	37.116
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.41%	92.79%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.49	545773	515212	1639.943	1122.855 #
4) L1 Aroclor-1016{2}	9.34	7.57	771127	1031078	1137.393	1183.963
5) L1 Aroclor-1016{3}	10.53	8.83	1400518	2176974	1096.714	1173.051
6) L1 Aroclor-1016{4}	10.99	9.21	474610	1176738	1073.263	1395.180 #
7) L1 Aroclor-1016{5}	12.52	10.53	913291	1911573	1399.007	2269.090 #
Sum Aroclor-1016			4105319	6811575	6346.321	7144.138
Average Aroclor-1016					1269.264	1428.828
8) L2 Aroclor-1221{1}	0.00	5.94	0	360648	N.D.	1320.672 #
9) L2 Aroclor-1221{2}	7.37	6.35	386019	162631	4068.060	939.279 #
10) L2 Aroclor-1221{3}	7.84	6.49	161087	515212	1169.710	804.429 #
11) L2 Aroclor-1221{4}	8.02	8.83	545773	2176974	1338.038	15850.073 #
Sum Aroclor-1221			1092880	3215465	6575.808	18914.452
Average Aroclor-1221					2191.936 NP	4728.613 NP
12) L3 Aroclor-1232{1}	8.02	6.49	545773	515212	1883.317	1246.625 #
13) L3 Aroclor-1232{2}	9.34	7.57	771127	1031078	2483.104	2808.976
14) L3 Aroclor-1232{3}	10.53	8.83	1400518	2176974	2753.855	2893.368
15) L3 Aroclor-1232{4}	12.52	9.21	913291	1176738	2895.656	3488.067
16) L3 Aroclor-1232{5}	13.44	10.53	582569	1911573	2568.192	5014.459 #
Sum Aroclor-1232			4213279	6811575	12584.124	15451.495
Average Aroclor-1232					2516.825 NP	3090.299 NP
17) L4 Aroclor-1242{1}	8.02	6.49	545773	515212	2094.138	1412.760 #
18) L4 Aroclor-1242{2}	9.34	7.57	771127	1031078	1434.399	1588.990
19) L4 Aroclor-1242{3}	10.53	8.83	1400518	2176974	1440.825	1560.795
20) L4 Aroclor-1242{4}	10.99	9.21	474610	1176738	1430.609	1923.064 #
21) L4 Aroclor-1242{5}	12.52	10.53	913291	1911573	1638.868	2889.926 #
Sum Aroclor-1242			4105319	6811575	8038.839	9375.535
Average Aroclor-1242					1607.768 NP	1875.107 NP

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.34	7.57	771127	1031078	2682.077	2896.545
23) L5	Aroclor-1248{2}	10.53	8.83	1400518	2176974	1669.549	1795.413
24) L5	Aroclor-1248{3}	12.52	10.53	913291	1911573	1200.846	2034.422 #
25) L5	Aroclor-1248{4}	13.44	10.81	582569	1077238	820.188	1241.971 #
26) L5	Aroclor-1248{5}	15.60	13.51	4934881	6480881	14865.830	18311.545
Sum	Aroclor-1248			8602387	12677744	21238.491	26279.897
Average	Aroclor-1248					4247.698	5255.979
27) L6	Aroclor-1254{1}	11.60	9.86	583319	2738098	1559.155	4442.188 #
28) L6	Aroclor-1254{2}	13.79	11.69	2738445	3149647	4614.780	2549.947 #
29) L6	Aroclor-1254{3}	15.60	12.20	4934881	3029443	3798.001	3065.547
30) L6	Aroclor-1254{4}	16.56	13.51	21383298	6480881	34238.492	4628.506 #
31) L6	Aroclor-1254{5}	17.74	15.59	7849792	8881525	6471.976	6465.477
Sum	Aroclor-1254			37489735	24279594	50682.405	21151.666
Average	Aroclor-1254					10136.481	4230.333
32) L7	Aroclor-1260{1}	16.14	13.96	3042815	3739915	3132.026	3408.834
33) L7	Aroclor-1260{2}	16.56	14.60	21383298	5116672	18138.371	3514.413 #
34) L7	Aroclor-1260{3}	18.94	15.59	2423302	8881525	2920.910	4679.851 #
35) L7	Aroclor-1260{4}	19.47	17.41	3671711	4258847	1915.729	1909.958
36) L7	Aroclor-1260{5}	20.80	18.42	2642875	2897404	1691.294	1778.850
Sum	Aroclor-1260			33164001	24894364	27798.330	15291.906
Average	Aroclor-1260					5559.666	3058.381

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12/18/97

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

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\WESTDA~1\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:48 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	579352	852959	40.733	39.393
Spiked Amount 40.000 Range 43 - 150 Recovery =					101.83%	98.48%
2) SA Decachlorobiphen	25.84	21.41	890321	820824	37.854	35.979
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.64%	89.95%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.49	545773	542320	1660.181	1177.806 #
4) L1 Aroclor-1016{2}	9.34	7.57	771767	1067862	1137.638	1222.285
5) L1 Aroclor-1016{3}	10.53	8.83	1402073	2207110	1095.791	1185.655
6) L1 Aroclor-1016{4}	10.99	9.21	475903	1208411	1073.052	1428.355 #
7) L1 Aroclor-1016{5}	~~12.52~~	~~10.53~~	916784	1948959	~~1399.037~~	~~2306.395~~ #
Sum Aroclor-1016			4112301	6974663	6365.697	7320.496
Average Aroclor-1016					~~1273.139~~ 1246.66	~~1464.099~~ 1353.53
8) L7 Aroclor-1260{1}	~~16.14~~	~~13.96~~	3047523	3755567	3118.366	3410.649
9) L7 Aroclor-1260{2}	~~16.56~~	~~14.60~~	21393175	5139616	18009.431	3503.940 #
10) L7 Aroclor-1260{3}	~~18.94~~	~~15.59~~	2436210	8902858	2911.390	4650.280 #
11) L7 Aroclor-1260{4}	19.47	17.41	3681351	4287503	1883.087	1909.555
12) L7 Aroclor-1260{5}	20.80	18.42	2656780	2912511	1642.911	1776.923
Sum Aroclor-1260			33215038	24998055	27565.186	15251.346
Average Aroclor-1260					~~5513.037~~ 1763	~~3050.269~~ 1843.54

7/23 5/15/98

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

1065A

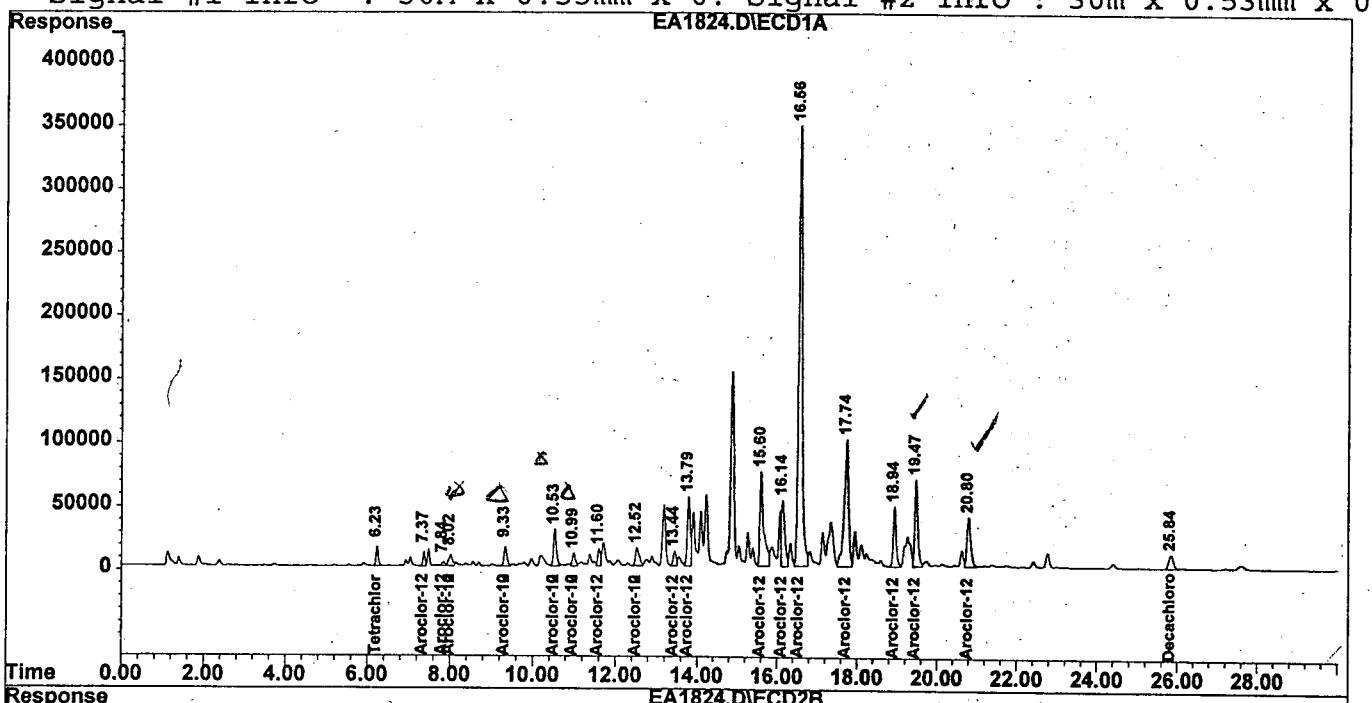
Quantitation Report

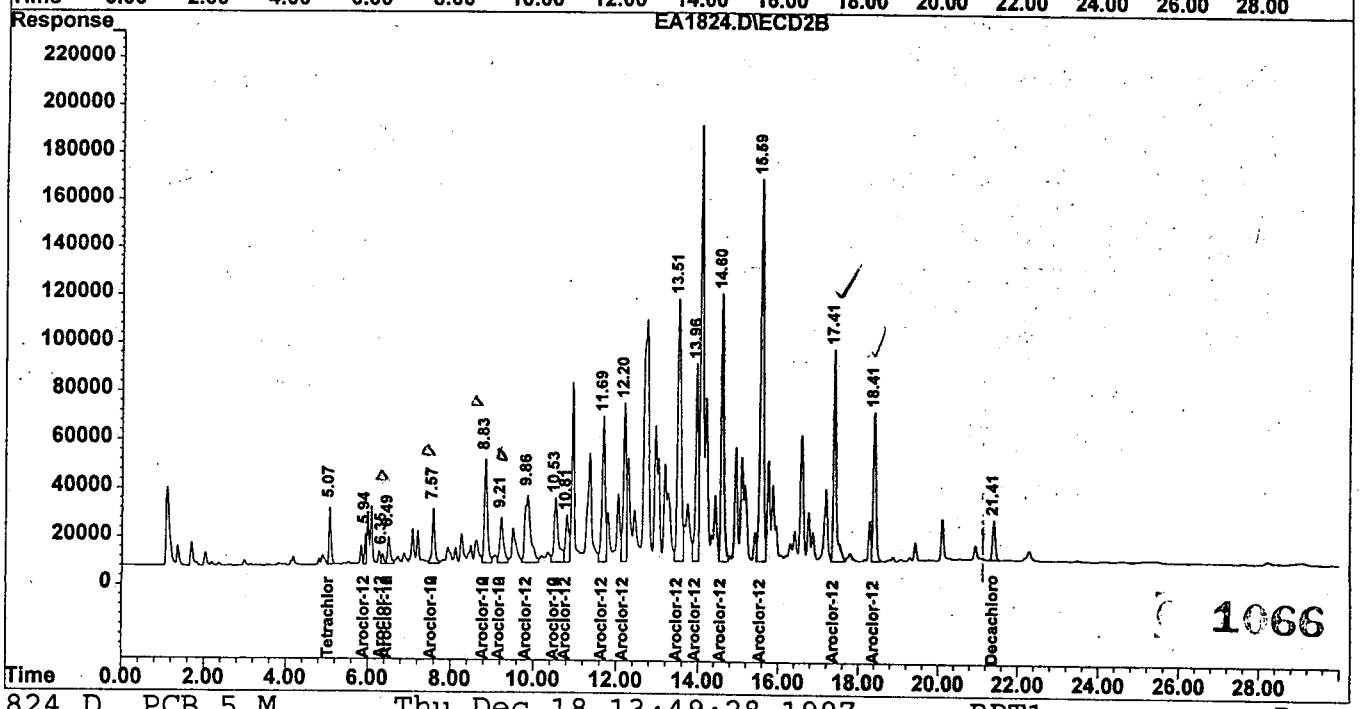
Signal #1 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40
Sample : 278137 SD
Misc : QPC7391
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Vial: 16
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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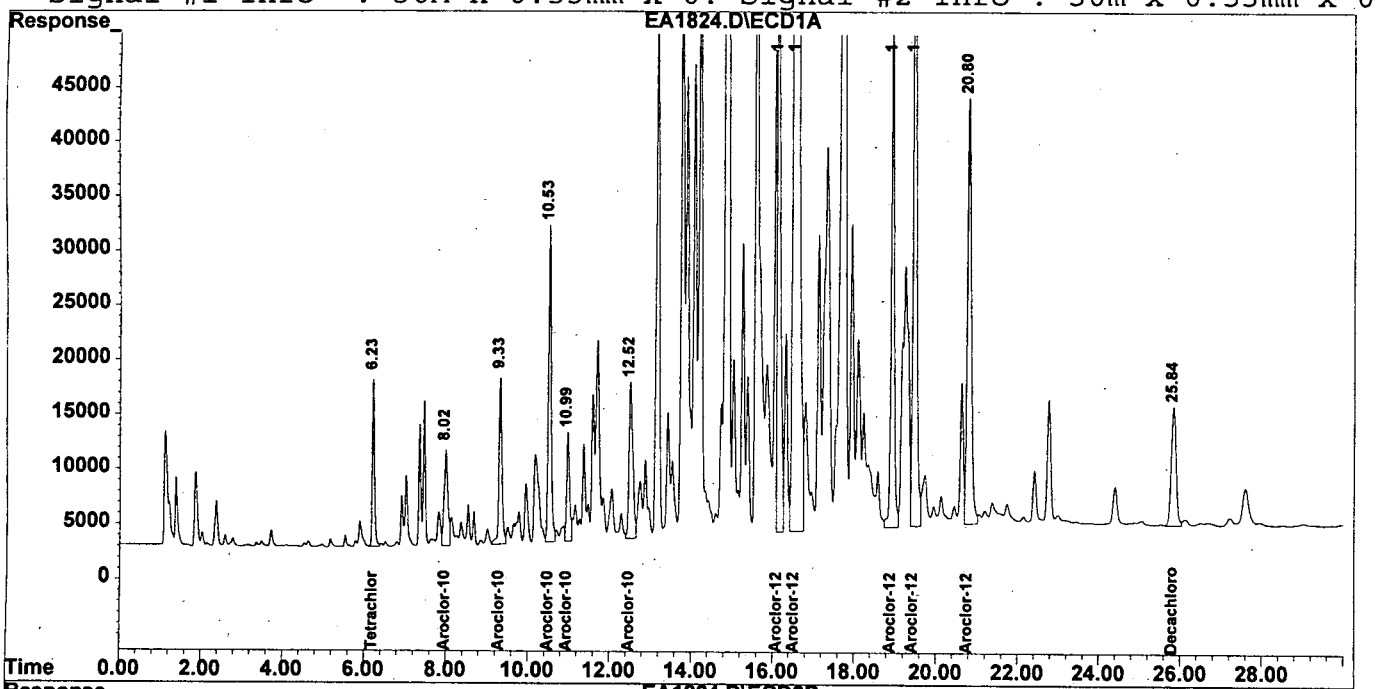
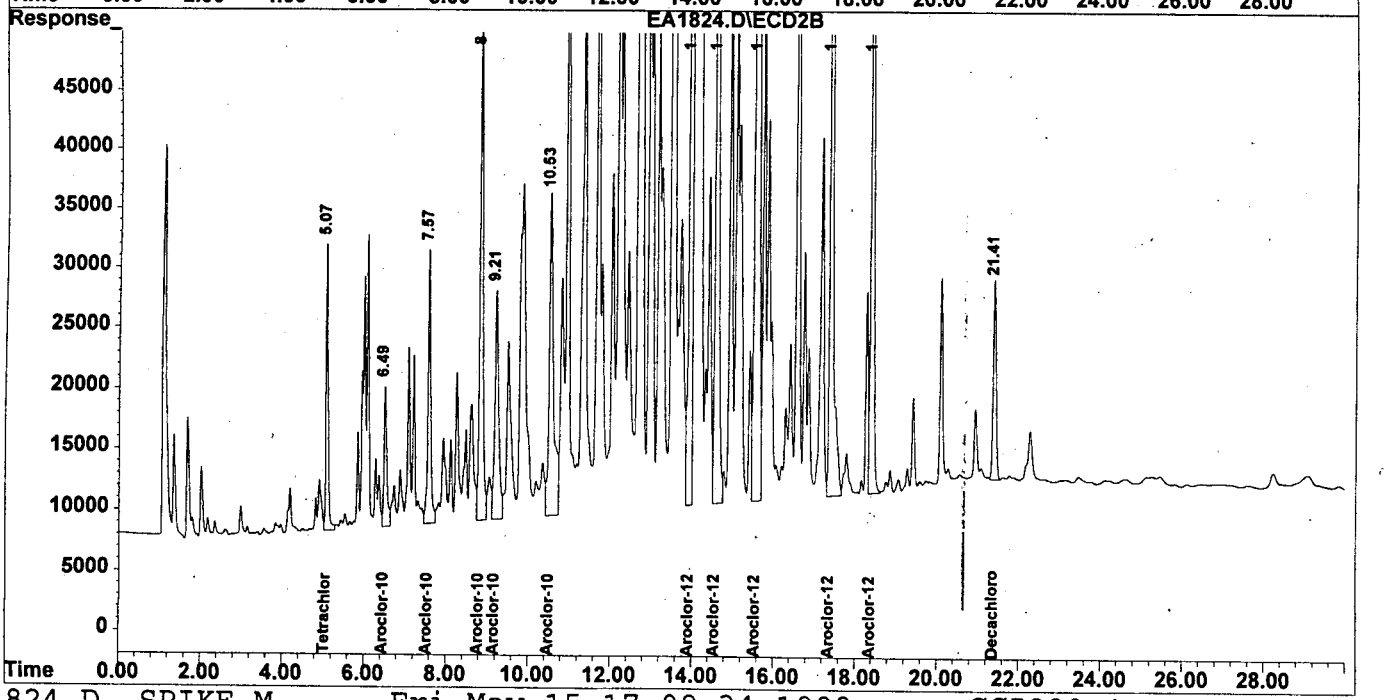
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\WESTDA~1\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:48 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1066A

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7392
SPIKED SAMPLE: 278154
METHOD: 8080
MATRIX: SOIL
MOISTURE: 31.63%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	490	U	650	133	620	127	25	5
Aroclor-1260	490	U	~~1870~~	~~382~~ *	~~1820~~	~~371~~ *	25	~~3~~ 1.1
			1338	275	1324	272		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278154, 278155, 278156, 278157, 278158, 278159, 278160, 278161, 278162, 278163, 278164, 278165, 278166, 278167, 278168, 278169, 278170, 278171, 278172, 278173

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD2B.CH
Acq On : 15 Dec 97 21:51 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachloro-m-xy	7.21	6.01	384604	252945	42.455	39.053	
	Spiked Amount 40.000 Range 43 - 150 Recovery =					106.14%	97.63%	
2)	SA Decachlorobiphen	29.40	24.62	621986	371040	41.331	41.606	
	Spiked Amount 40.000 Range 24 - 154 Recovery =					103.33%	104.02%	
	Target Compounds							
3)	L1 Aroclor-1016{1}	9.17	8.92	532545	342747	2501.831	1177.755	#
4)	L1 Aroclor-1016{2}	10.68	10.33	557666	716518	1182.796	1265.739	
5)	L1 Aroclor-1016{3}	11.99	10.77	1029481	410297	1251.595	1531.295	
6)	L1 Aroclor-1016{4}	12.50	~~12.26~~	324379	638733	1158.617	~~2489.805~~	#
7)	L1 Aroclor-1016{5}	~~13.28~~	~~14.11~~	1053427	1714482	~~3226.126~~	~~11625.193~~	#
	Sum Aroclor-1016			3497498	3822778	~~9320.965~~	~~18089.787~~	
	Average Aroclor-1016					~~1864.193~~	~~3617.957~~	
						Scr 6094.839	3974.789	
						Pg 1523.700	1324.930	
8)	L2 Aroclor-1221{1}	0.00	7.04	0	26476	N.D.	274.030	#
9)	L2 Aroclor-1221{2}	9.01	7.52	49534	45012	504.319	638.308	#
10)	L2 Aroclor-1221{3}	9.17	7.69	532545	175814	1759.295	720.801	#
	Sum Aroclor-1221			582080	247302	2263.614	1633.139	
	Average Aroclor-1221					1131.807	544.380	
						NP	NP	
11)	L3 Aroclor-1232{1}	9.01	8.92	49534	342747	865.348	2368.357	#
12)	L3 Aroclor-1232{2}	9.17	10.09	532545	288288	2605.859	6900.900	#
13)	L3 Aroclor-1232{3}	10.68	11.44	557666	420327	2569.336	5045.883	#
14)	L3 Aroclor-1232{4}	11.99	13.19	1029481	174874	2932.718	3091.011	
	Sum Aroclor-1232			2169227	1226237	8973.261	17406.151	
	Average Aroclor-1232					2243.315	4351.538	
						NP	NP	
15)	L4 Aroclor-1242{1}	9.17	8.92	532545	342747	2905.076	1371.615	#
16)	L4 Aroclor-1242{2}	10.68	10.09	557666	288288	1520.843	3756.055	#
17)	L4 Aroclor-1242{3}	11.38	11.10	213167	302289	1922.758	1874.017	
18)	L4 Aroclor-1242{4}	12.92	12.26	269647	638733	1565.387	2760.166	#
19)	L4 Aroclor-1242{5}	14.17	0.00	785564	0	2161.765	N.D.	#
	Sum Aroclor-1242			2358589	1572058	10075.830	9761.853	
	Average Aroclor-1242					2015.166	2440.463	
						NP	NP	

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12/16/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD2B.CH
Acq On : 15 Dec 97 21:51 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
20)	L5 Aroclor-1248{1}	10.68	10.33	557666	716518	2874.630	1720.292 #
21)	L5 Aroclor-1248{2}	11.99	12.26	1029481	638733	1840.091	1884.833
22)	L5 Aroclor-1248{3}	13.28	12.56	1053427	401898	2548.705	1269.659 #
23)	L5 Aroclor-1248{4}	14.17	13.55	785564	1995051	1582.725	7414.369 #
24)	L5 Aroclor-1248{5}	0.00	15.57	0	4253836	N.D.	33773.423 #
	Sum Aroclor-1248			3426137	8006036	8846.151	46062.575
	Average Aroclor-1248					2211.538	9212.515
25)	L6 Aroclor-1254{1}	14.17	11.44	785564	420327	5787.532	1906.526 #
26)	L6 Aroclor-1254{2}	15.55	13.55	4237388	1995051	11493.399	4764.023 #
27)	L6 Aroclor-1254{3}	15.88	14.97	2722097	1831685	5906.760	12252.983 #
28)	L6 Aroclor-1254{4}	18.53	15.57	4671561	4253836	11526.395	8754.017
29)	L6 Aroclor-1254{5}	19.85	17.86	9372720	5207895	10860.569	11460.081
	Sum Aroclor-1254			21789330	13708794	45574.655	39137.630
	Average Aroclor-1254					9114.931	7827.526
30)	L7 Aroclor-1260{1}	18.11	16.06	3407372	2295237	~~6547.074~~	~~6734.334~~
31)	L7 Aroclor-1260{2}	18.53	16.76	4671561	2430422	~~7589.277~~	5978.228
32)	L7 Aroclor-1260{3}	20.08	17.86	1275611	5207895	2795.633	~~10097.879~~ #
33)	L7 Aroclor-1260{4}	21.16	19.87	2846955	1654027	6110.104	2641.583 #
34)	L7 Aroclor-1260{5}	21.74	20.98	3538991	1355645	2745.269	2870.049
	Sum Aroclor-1260			15740490	12943226	~~25787.358~~	~~28322.074~~
	Average Aroclor-1260					~~5157.472~~	~~5664.415~~
						Sum 11651.006	11489.860
						Avg 3883.669	3829.953

1069

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

AMENDED REPORT MAY 28 1998
(QT Reviewed)

ICM Laboratories Quantitation Report

Signal #1 : E:\WESTDA~1\BA0800.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0800.D\ECD2B.CH
Acq On : 9 Dec 97 11:31 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 16:56 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	280557	182016	29.943	28.459
Spiked Amount 40.000 Range 43 - 150 Recovery =					74.86%	71.15%
2) SA Decachlorobiphen	29.28f	24.55	508976	296809	23.080m	31.953m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					57.70%	79.88%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.35	279408	804236	2059.189m	3619.691 #
4) L6 Aroclor-1254{2}	15.47	13.47	3148657	1434072	8208.566	3421.724 #
5) L6 Aroclor-1254{3}	15.80	14.89	1977532	1376274	3756.970	9179.395 #
6) L6 Aroclor-1254{4}	18.45	15.49	3195315	3095806	7452.110	6224.730
7) L6 Aroclor-1254{5}	19.78	17.79	7175814	3716545	8262.936	7756.222
Sum Aroclor-1254			15776726	10426934	29739.771	30201.761
Average Aroclor-1254					5947.954	6040.352

10698

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

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0800A.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0800A.D\ECD2B.CH
Acq On : 9 Dec 97 11:31 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:24 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95f	280601	189025	30.163m	31.281m
Spiked Amount 40.000	Range 43 - 150		Recovery =		75.41%	78.20%
2) SA Decachlorobiphen	29.28f	24.55f	483088	276439	31.988m	33.276m
Spiked Amount 40.000	Range 24 - 154		Recovery =		79.97%	83.19%
Target Compounds						

1069B

PS 5/30/98

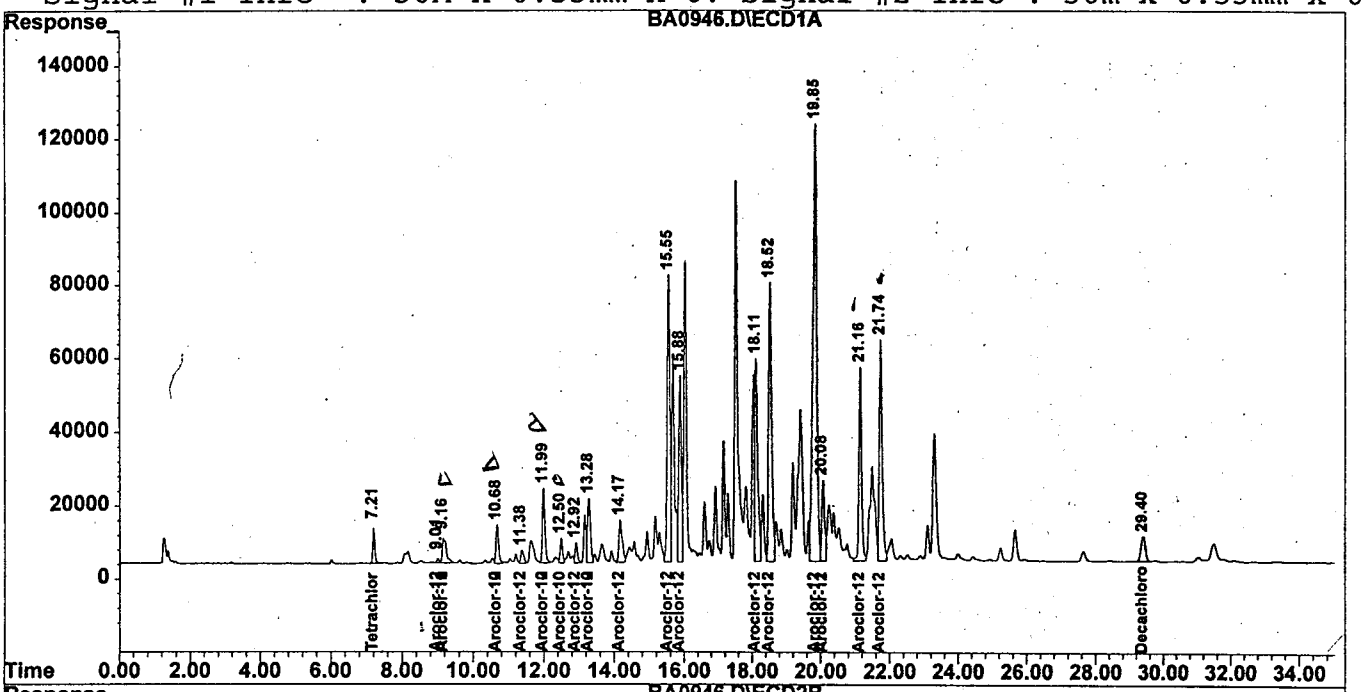
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

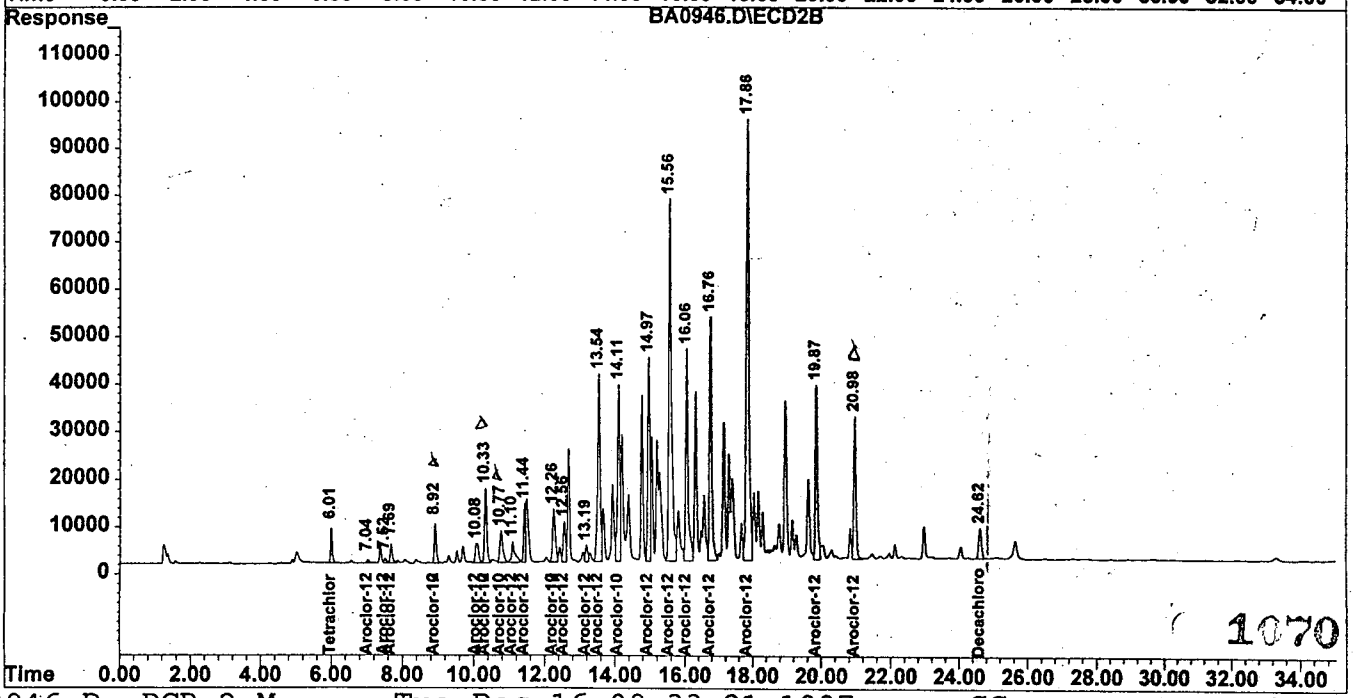
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD1A.CH Vial: 46
Signal #2 : C:\HPCHEM\1\DATA_B\BA0946.D\ECD2B.CH
Acq On : 15 Dec 97 21:51 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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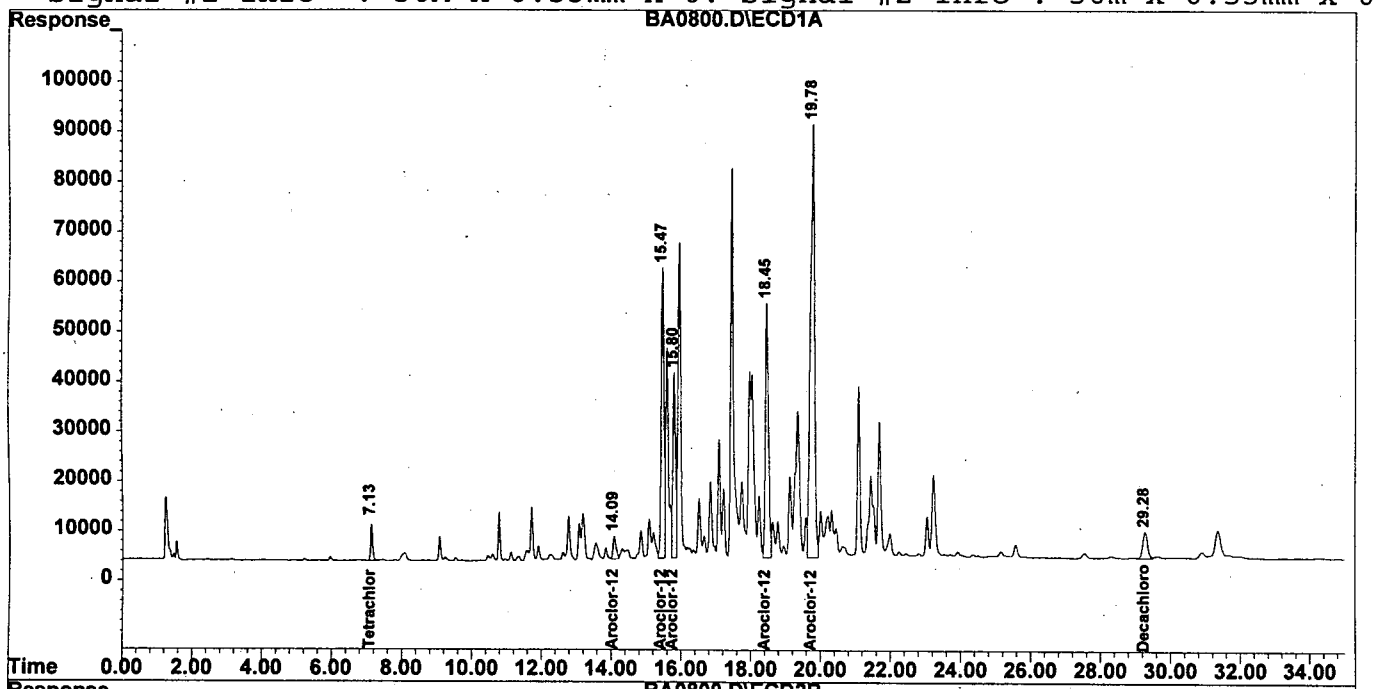
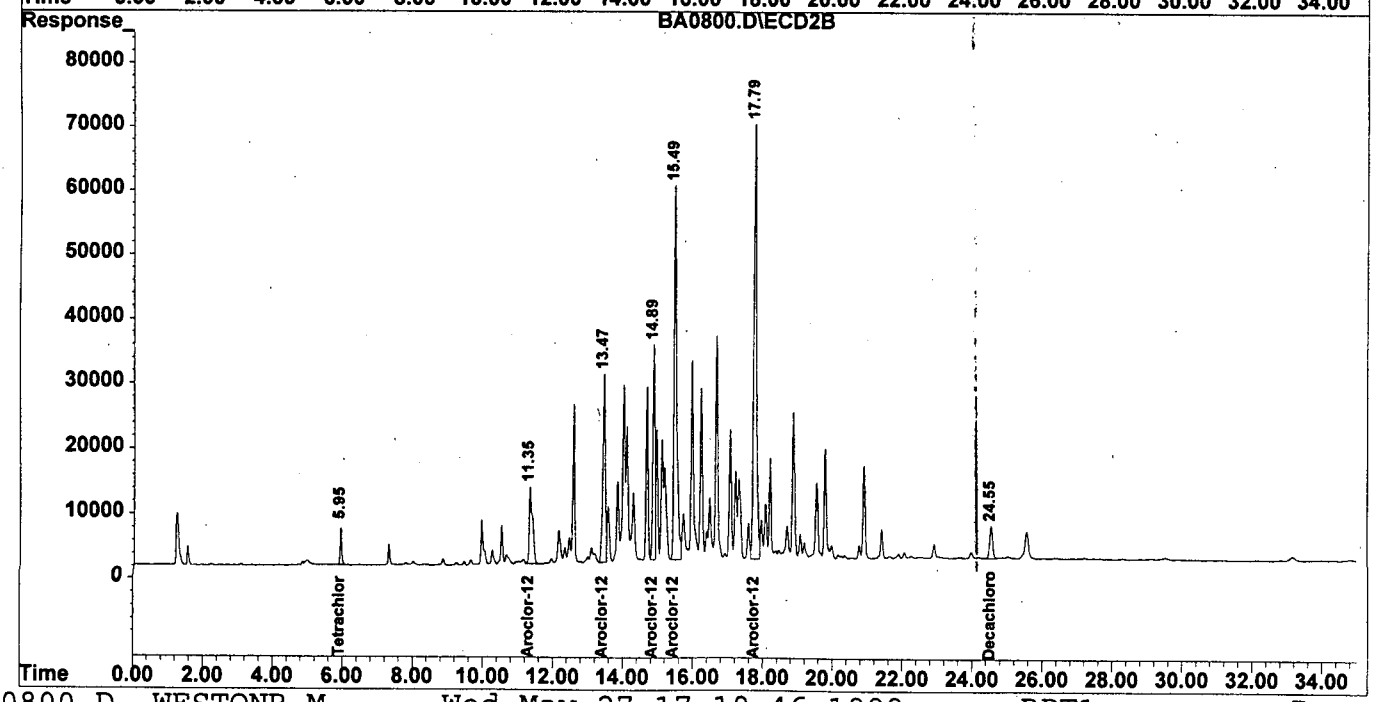
Quantitation Report AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0800.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0800.D\ECD2B.CH
Acq On : 9 Dec 97 11:31 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 16:56 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1070A

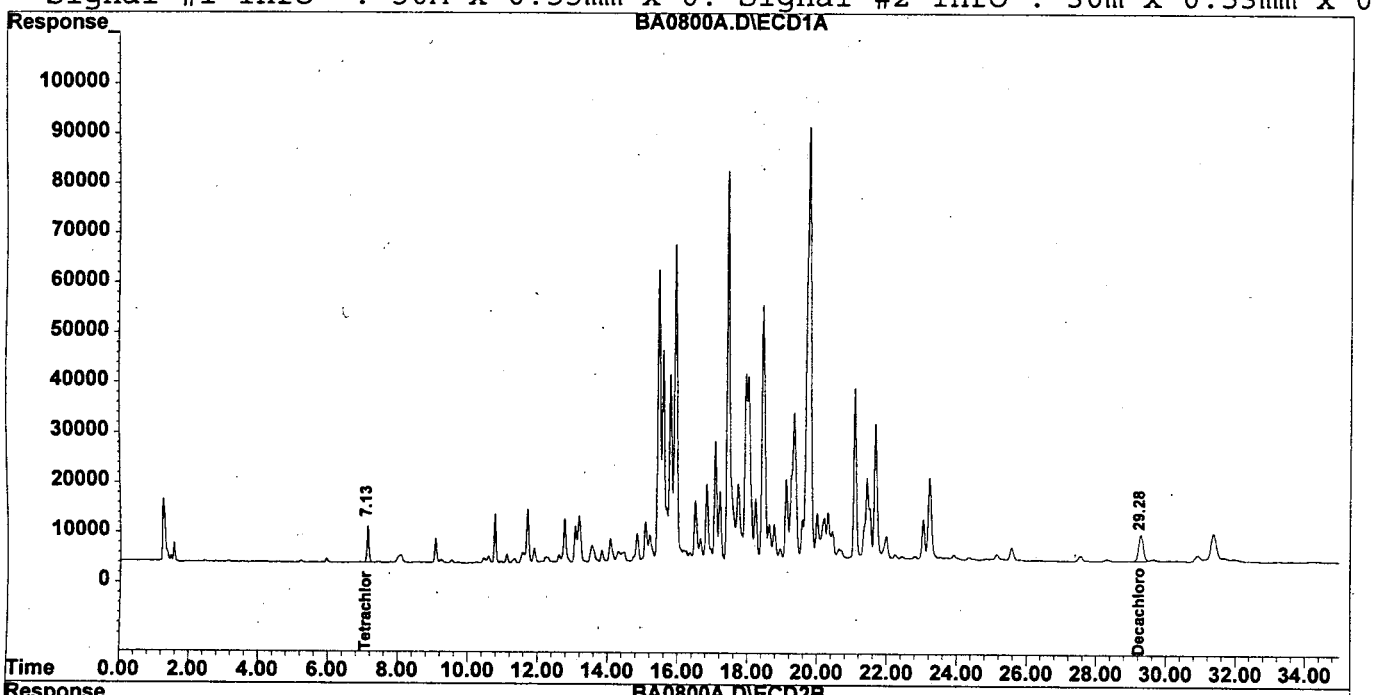
Quantitation Report

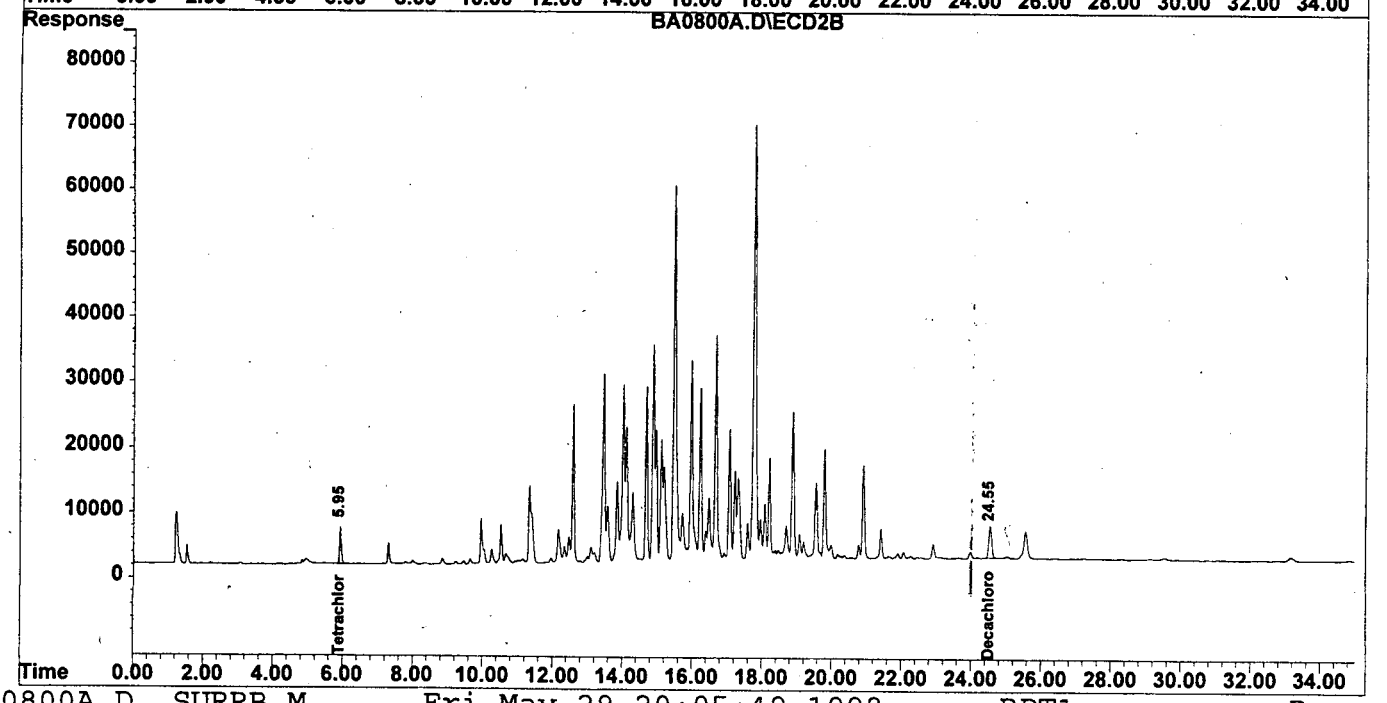
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0800A.D\ECD1A.CH Vial: 35
Signal #2 : E:\WESTDA~1\BA0800A.D\ECD2B.CH
Acq On : 9 Dec 97 11:31 Operator:
Sample : 278154 SPIKE Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:24 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1070B

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD2B.CH
Acq On : 15 Dec 97 22:29 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	7.20	6.01	394824	257699	43.583	39.787	
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.96%	99.47%	
2) SA Decachlorobiphen	29.40	24.62	634691	413606	42.176	46.379	
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.44%	115.95%	
Target Compounds							
3) L1 Aroclor-1016{1}	9.21	8.92	303892	344451	1427.645	1183.610	
4) L1 Aroclor-1016{2}	10.67	10.33	570654	720222	1210.344	1272.283	
5) L1 Aroclor-1016{3}	11.99	10.77	1042055	398369	1266.882	1486.778	
6) L1 Aroclor-1016{4}	12.49	~~12.26~~	332619	602152	1188.049	~~2347.212~~	#
7) L1 Aroclor-1016{5}	~~13.28~~	~~14.11~~	993432	1617442	~~3042.393~~	~~10967.206~~	#
Sum Aroclor-1016			3242652	3682637	~~8135.313~~	~~17257.089~~	
Average Aroclor-1016					~~1627.063~~	~~3451.418~~	
					Sum 5092.32 Avg 1273.25	3942.671 1314.224	
8) L2 Aroclor-1221{1}	0.00	7.04	0	28666	N.D.	296.692	#
9) L2 Aroclor-1221{2}	9.01	7.52	49674	45273	505.745	642.016	#
10) L2 Aroclor-1221{3}	9.21	7.69	303892	179722	1003.924	736.821	#
Sum Aroclor-1221			353566	253661	1509.669	1675.529	
Average Aroclor-1221					754.834	558.510	
11) L3 Aroclor-1232{1}	9.01	8.92	49674	344451	867.795	2380.132	#
12) L3 Aroclor-1232{2}	9.21	10.08	303892	254808	1487.008	6099.460	#
13) L3 Aroclor-1232{3}	10.67	11.44	570654	390398	2629.178	4686.590	#
14) L3 Aroclor-1232{4}	11.99	13.19	1042055	166632	2968.537	2945.324	
Sum Aroclor-1232			1966275	1156289	7952.517	16111.507	
Average Aroclor-1232					1988.129	4027.877	
15) L4 Aroclor-1242{1}	9.21	8.92	303892	344451	1657.753	1378.434	
16) L4 Aroclor-1242{2}	10.67	10.08	570654	254808	1556.265	3319.843	#
17) L4 Aroclor-1242{3}	11.37	11.10	208713	296382	1882.578	1837.392	
18) L4 Aroclor-1242{4}	12.92	12.26	271571	602152	1576.557	2602.089	#
19) L4 Aroclor-1242{5}	14.17	0.00	742109	0	2042.184	N.D.	#
Sum Aroclor-1242			2096939	1497793	8715.337	9137.758	
Average Aroclor-1242					1743.067	2284.440	

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD2B.CH
Acq On : 15 Dec 97 22:29 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
20) L5	Aroclor-1248{1}	10.67	10.33	570654	720222	2941.582	1729.185 #
21) L5	Aroclor-1248{2}	11.99	12.26	1042055	602152	1862.565	1776.887
22) L5	Aroclor-1248{3}	13.28	12.56	993432	385979	2403.553	1219.366 #
23) L5	Aroclor-1248{4}	14.17	13.55	742109	1867039	1495.174	6938.628 #
24) L5	Aroclor-1248{5}	0.00	15.57	0	4028517	N.D.	31984.495 #
Sum	Aroclor-1248			3348251	7603909	8702.874	43648.562
Average	Aroclor-1248					2175.719	8729.712
25) L6	Aroclor-1254{1}	14.17	11.44	742109	390398	5467.388	1770.772 #
26) L6	Aroclor-1254{2}	15.55	13.55	4006173	1867039	10866.256	4458.340 #
27) L6	Aroclor-1254{3}	15.88	14.97	2569112	1720074	5574.793	11506.370 #
28) L6	Aroclor-1254{4}	18.52	15.57	4454091	4028517	10989.820	8290.330
29) L6	Aroclor-1254{5}	19.85	17.86	8975478	4966487	10400.268	10928.858
Sum	Aroclor-1254			20746963	12972515	43298.524	36954.669
Average	Aroclor-1254					8659.705	7390.934
30) L7	Aroclor-1260{1}	18.11	16.06	3256413	2186037	~~6257.014~~	~~6413.937~~
31) L7	Aroclor-1260{2}	18.52	16.76	4454091	2328091	~~7235.982~~	5726.519
32) L7	Aroclor-1260{3}	20.08	17.86	1268469	4966487	2779.983	~~9629.799~~ #
33) L7	Aroclor-1260{4}	21.15	19.87	2781984	1623836	5970.665	2593.368 #
34) L7	Aroclor-1260{5}	21.74	20.98	3501791	1359237	2716.413	2877.652
Sum	Aroclor-1260			15262748	12463688	~~24960.056~~	~~27241.275~~
Average	Aroclor-1260					~~4992.011~~	~~5448.255~~

Sum 11467.061 11197.539
Avg 3822.354 3732.513

1072

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

ICM Laboratories Quantitation Report

AMENDED REPORT (QT Reviewed) MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0801.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0801.D\ECD2B.CH
Acq On : 9 Dec 97 12:10 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 16:58 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	310364	201129	33.125	31.447
Spiked Amount 40.000 Range 43 - 150 Recovery =					82.81%	78.62%
2) SA Decachlorobiphen	29.28f	24.55	552536	328009	25.055m	35.312m#
Spiked Amount 40.000 Range 24 - 154 Recovery =					62.64%	88.28%
Target Compounds						
3) L6 Aroclor-1254{1}	14.09	11.35	294684	753271	2171.770m	3390.305 #
4) L6 Aroclor-1254{2}	15.47	13.47	2787754	1272711	7267.689	3036.714 #
5) L6 Aroclor-1254{3}	15.80	14.89	1726940	1235189	3280.889	8238.398 #
6) L6 Aroclor-1254{4}	18.45	15.49	2816211	2744540	6567.963	5518.438
7) L6 Aroclor-1254{5}	19.78	17.79	6307248	3270057	7262.784	6824.427
Sum Aroclor-1254			13932837	9275768	26551.096	27008.282
Average Aroclor-1254					5310.219	5401.656

1072A

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0801A.D\ECD1A.CH Vial:
Signal #2 : E:\WESTDA~1\BA0801A.D\ECD2B.CH
Acq On : 9 Dec 97 12:10 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:24 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95f	310477	200230	33.375m	33.136m
Spiked Amount 40.000 Range 43 - 150 Recovery =					83.44%	82.84%
2) SA Decachlorobiphen	29.28f	24.55f	525464	312453	34.794m	37.611m
Spiked Amount 40.000 Range 24 - 154 Recovery =					86.98%	94.03%

Target Compounds

10728

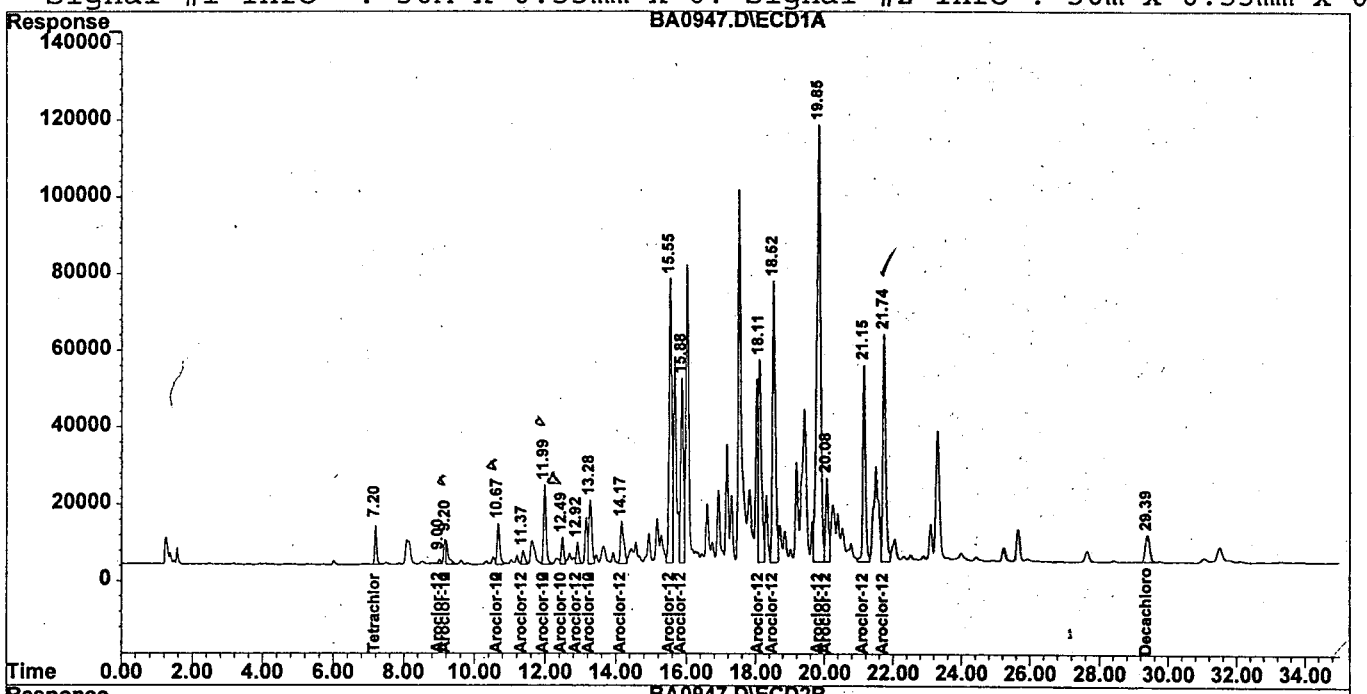
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

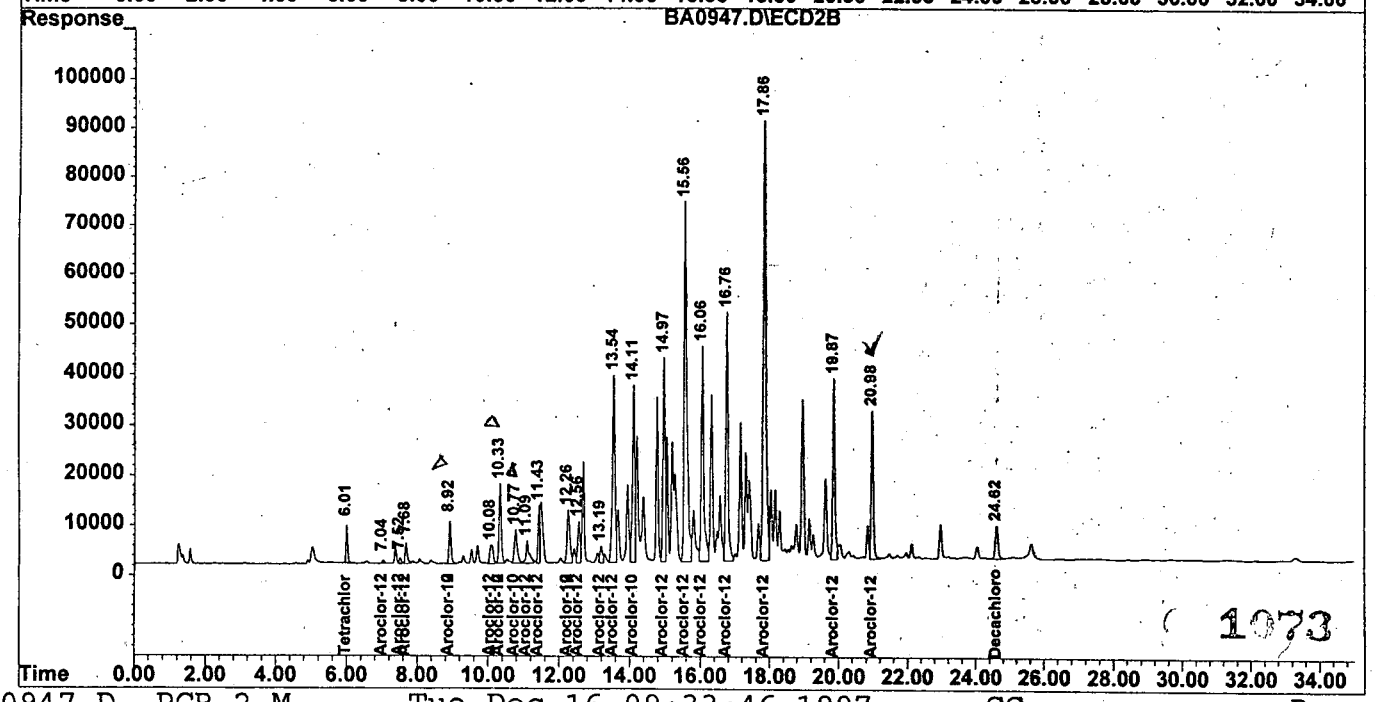
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD1A.CH Vial: 47
Signal #2 : C:\HPCHEM\1\DATA_B\BA0947.D\ECD2B.CH
Acq On : 15 Dec 97 22:29 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 16 8:21 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1073

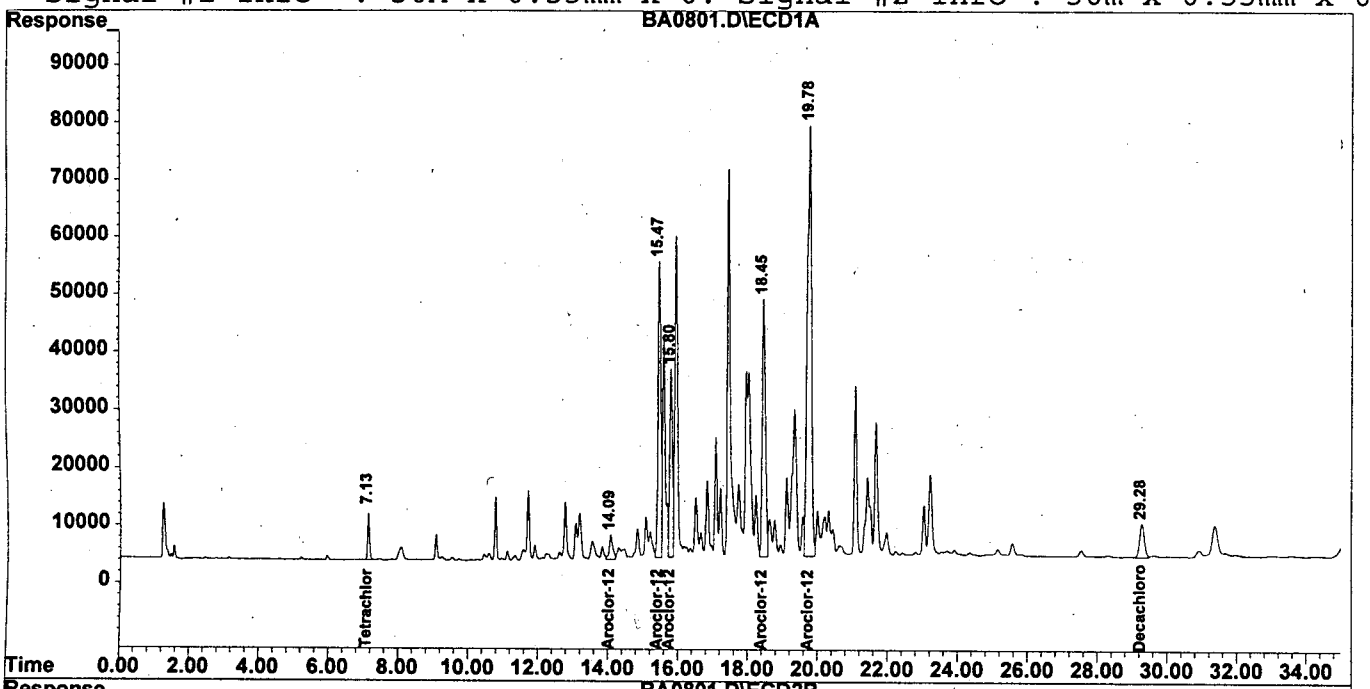
Quantitation Report

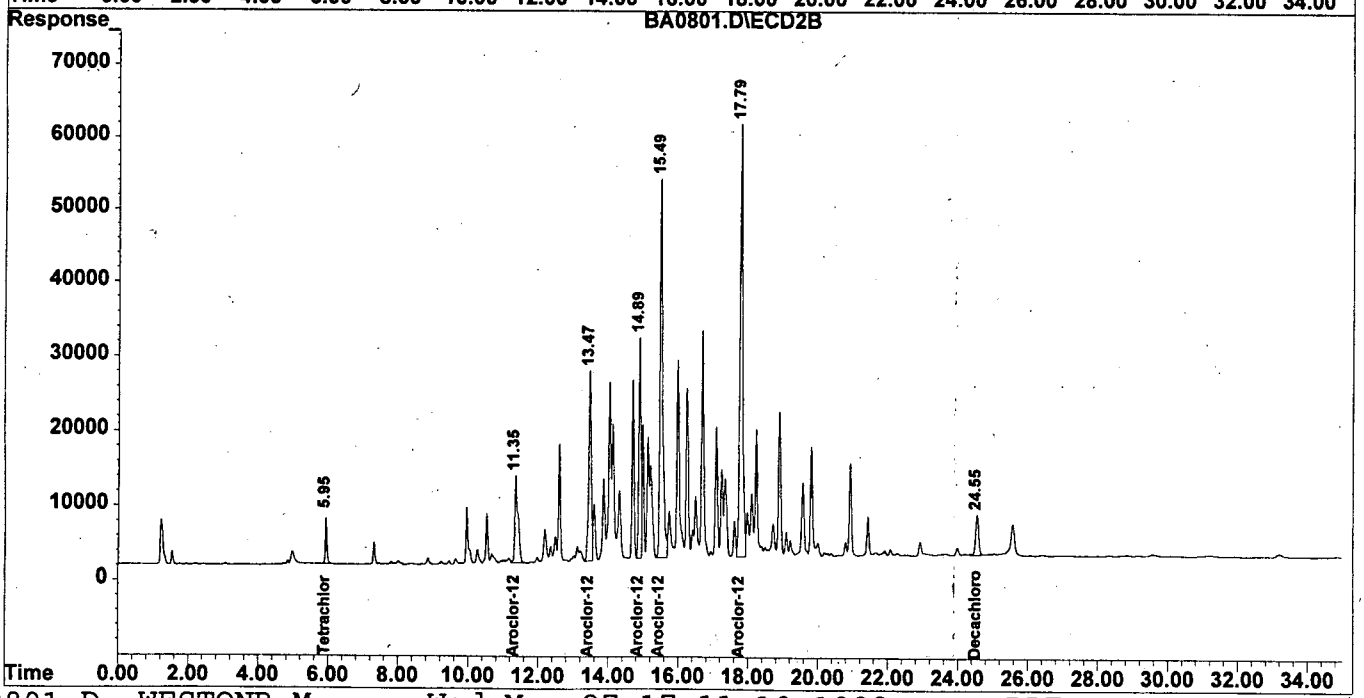
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0801.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0801.D\ECD2B.CH
Acq On : 9 Dec 97 12:10 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 27 16:58 1998 Quant Results File: WESTONB.RES

Quant Method : H:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:34:29 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





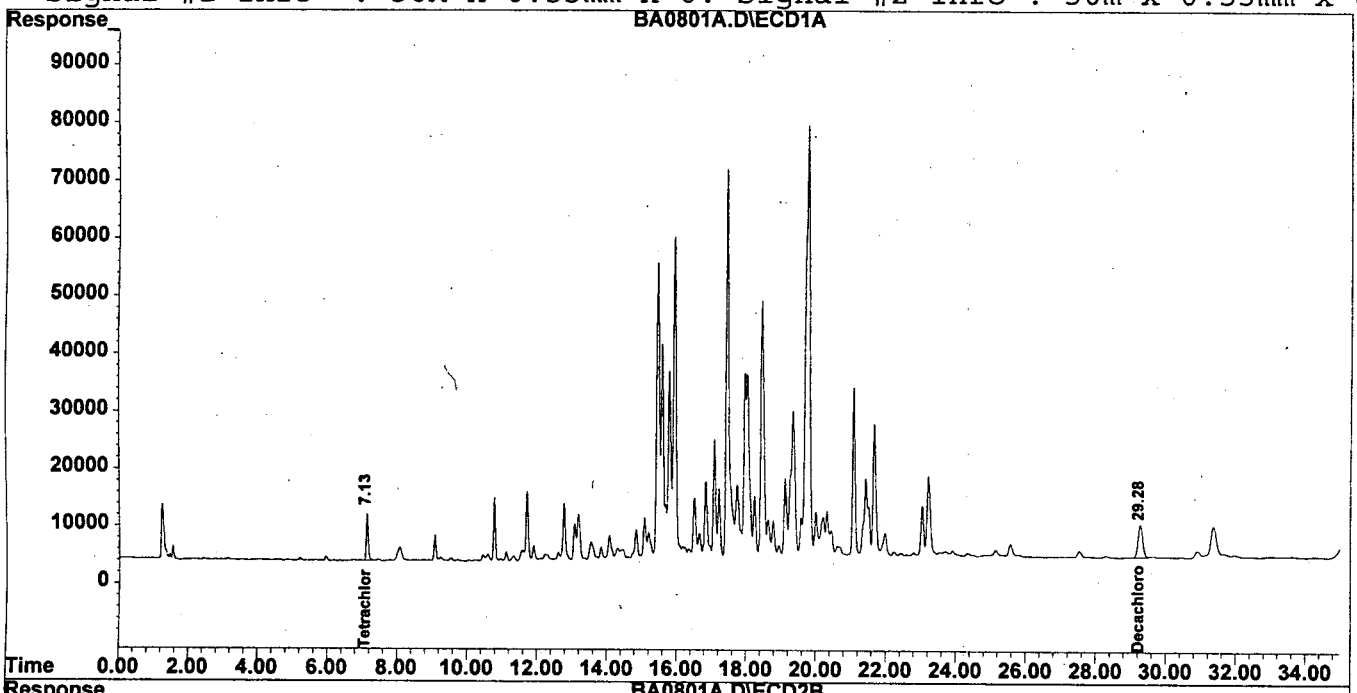
1073A

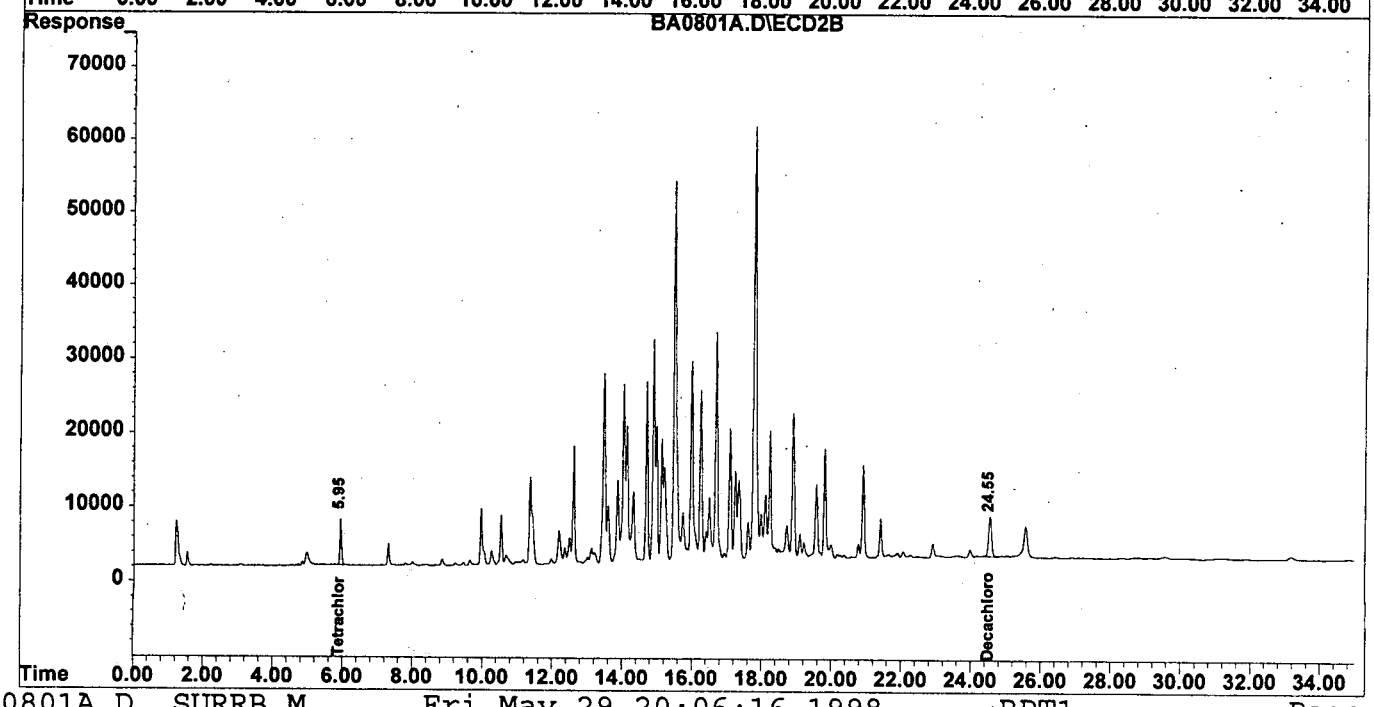
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0801A.D\ECD1A.CH Vial: 36
Signal #2 : E:\WESTDA~1\BA0801A.D\ECD2B.CH
Acq On : 9 Dec 97 12:10 Operator:
Sample : 278154 SPIKE DUP Inst : GC_5890_2
Misc : QPC7392 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 18:24 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7393
SPIKED SAMPLE: 278174
METHOD: 8080
MATRIX: SOIL
MOISTURE: 62.32%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
			1120	126				
Aroclor-1016	880	U	~~920~~	~~105~~	1070	122	25	~~15~~ 3.2
Aroclor-1260	880	U	~~1740~~	~~198~~ *	~~1380~~	~~157~~ *	25	~~23~~ 18
			1600	180	1340	151		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278174, 278175, 278176, 278177, 278178, 278179, 278180, 278181, 278182, 278183,278184, 278185, 278186, 278187, 278188, 278189, 278190, 278191, 278192, 278193

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD2B.CH
Acq On : 11 Dec 97 2:18 Operator:
Sample : 278174 SPIKE Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:34 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	375290	279282	41.427	43.119
Spiked Amount 40.000 Range 43 - 150 Recovery =					103.57%	107.80%
2) SA Decachlorobiphen	29.13	24.45	583499	418559	38.774	46.935
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.94%	117.34%
Target Compounds						
3) L1 Aroclor-1016{1}	9.13	8.85	422900	326584	1986.732	1122.215 #
4) L1 Aroclor-1016{2}	10.59	10.25	519580	666613	1102.015	1177.581
5) L1 Aroclor-1016{3}	11.90	10.69	969484	400587	1178.654	1495.056 #
6) L1 Aroclor-1016{4}	12.40	~~12.17~~	305724	676998	1091.987	~~2638.965~~ #
7) L1 Aroclor-1016{5}	~~13.19~~	14.02	1243358	1045973	~~3807.791~~	~~7092.306~~ #
Sum Aroclor-1016			3461046	3116755	~~9167.180~~	~~13526.122~~
Average Aroclor-1016					~~1833.436~~	~~2705.224~~
					Sum 4180734	3794.852
					Avg 1045.184	1264.951
8) L2 Aroclor-1221{1}	0.00	6.97	0	39476	N.D.	408.576 #
9) L2 Aroclor-1221{2}	8.93	7.45	49482	44865	503.788	636.230 #
10) L2 Aroclor-1221{3}	9.13	7.62	422900	169395	1397.076	694.482 #
Sum Aroclor-1221			472382	253736	1900.863	1739.289
Average Aroclor-1221					950.432	579.763
11) L3 Aroclor-1232{1}	8.93	8.85	49482	326584	864.436	2256.671 #
12) L3 Aroclor-1232{2}	9.13	10.00	422900	234467	2069.342	5612.543 #
13) L3 Aroclor-1232{3}	10.59	11.41	519580	1314383	2393.861	15778.718 #
14) L3 Aroclor-1232{4}	11.90	13.10	969484	123828	2761.802	2188.745
Sum Aroclor-1232			1961446	1999262	8089.441	25836.677
Average Aroclor-1232					2022.360	6459.169
15) L4 Aroclor-1242{1}	9.13	8.85	422900	326584	2306.954	1306.933 #
16) L4 Aroclor-1242{2}	10.59	10.00	519580	234467	1416.976	3054.822 #
17) L4 Aroclor-1242{3}	11.28	11.02	174430	294625	1573.349	1826.500
18) L4 Aroclor-1242{4}	12.82	12.17	247703	676998	1438.000	2925.523 #
19) L4 Aroclor-1242{5}	14.07	14.30	818654	565242	2252.825	6324.377 #
Sum Aroclor-1242			2183267	2097916	8988.104	15438.155
Average Aroclor-1242					1797.621	3087.631

1075

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD2B.CH
Acq On : 11 Dec 97 2:18 Operator:
Sample : 278174 SPIKE Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:34 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
20) L5	Aroclor-1248{1}	10.59	10.25	519580	666613	2678.304	1600.474 #
21) L5	Aroclor-1248{2}	11.90	12.17	969484	676998	1732.853	1997.750
22) L5	Aroclor-1248{3}	13.19	12.48	1243358	374319	3008.233	1182.533 #
23) L5	Aroclor-1248{4}	14.07	13.46	818654	1342461	1649.394	4989.095 #
24) L5	Aroclor-1248{5}	16.08	15.47	100071	2584685	265.431	20521.162 #
Sum	Aroclor-1248			3651146	5645076	9334.215	30291.014
Average	Aroclor-1248					1866.843	6058.203
						NP	NP
25) L6	Aroclor-1254{1}	14.07	11.35	818654	500060	6031.321	2268.180m#
26) L6	Aroclor-1254{2}	15.45	13.46	2241979	1342461	6081.095	3205.689 #
27) L6	Aroclor-1254{3}	15.78	14.87	1638984	1054373	3556.479	7053.189 #
28) L6	Aroclor-1254{4}	18.42	15.47	2773446	2584685	6843.075	5319.052
29) L6	Aroclor-1254{5}	19.74	17.76	5177994	3215031	5999.962	7074.743
Sum	Aroclor-1254			12651057	8696610	28511.931	24920.853
Average	Aroclor-1254					5702.386	4984.171
30) L7	Aroclor-1260{1}	18.00	~~15.96~~	2043844	1470989	3927.131	~~4315.951~~
31) L7	Aroclor-1260{2}	~~18.42~~	~~16.67~~	2773446	1458054	~~4505.658~~	~~3586.447~~
32) L7	Aroclor-1260{3}	19.96	~~17.76~~	850303	3215031	1863.527	~~6233.804~~ #
33) L7	Aroclor-1260{4}	~~21.04~~	19.77	1606586	1274504	~~3448.037~~	2035.462 #
34) L7	Aroclor-1260{5}	21.62	20.88	2326760	900685	1804.916	1906.849
Sum	Aroclor-1260			9600939	8319264	~~15549.270~~	~~18078.513~~
Average	Aroclor-1260					~~3109.854~~	~~3615.703~~

Sum 7895.574 ~~3942.311~~
Avg 2531.858 ~~788.462~~ [illegible]
~~Sum 2142.311~~
~~Avg 1071.156~~ [illegible]
Sum 3942.311
Avg 1971.156

1076

[illegible] 3/2/11 1/2

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0849.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDA~1\BA0849.D\ECD2B.CH
Acq On : 11 Dec 97 2:18 Operator:
Sample : 278174 SPIKE Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:18 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	375301	235040	20.028	18.375
Spiked Amount 40.000 Range 43 - 150 Recovery =					50.07%	45.94%
2) SA Decachlorobiphen	29.13	24.45	583499	370162	26.459	39.849 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					66.15%	99.62%
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.36	552664	468421	4073.039m	2108.261 #
4) L6 Aroclor-1254{2}	15.45	13.46	2218213	1338891	5782.893	3194.620 #
5) L6 Aroclor-1254{3}	15.78	14.87	1622088	1055829	3081.688	7042.111 #
6) L6 Aroclor-1254{4}	18.42	15.47	2760382	2576618	6437.759	5180.800
7) L6 Aroclor-1254{5}	19.74	17.76	5169859	3207714	5953.083	6694.320
Sum Aroclor-1254			12323206	8647474	25328.463	24220.111
Average Aroclor-1254					5065.693	4844.022

1076A

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT Via MAY 30 1998

Signal #1 : E:\WESTDA~1\BA0849A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0849A.D\ECD2B.CH
Acq On : 11 Dec 97 2:18 Operator:
Sample : 278174 SPIKE Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	375301	235040	40.343	38.896
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.86%	97.24%
2) SA Decachlorobiphen	29.13	24.45	583499	370162	38.637	44.557
Spiked Amount 40.000 Range 24 - 154 Recovery =					96.59%	111.39%

Target Compounds

10766

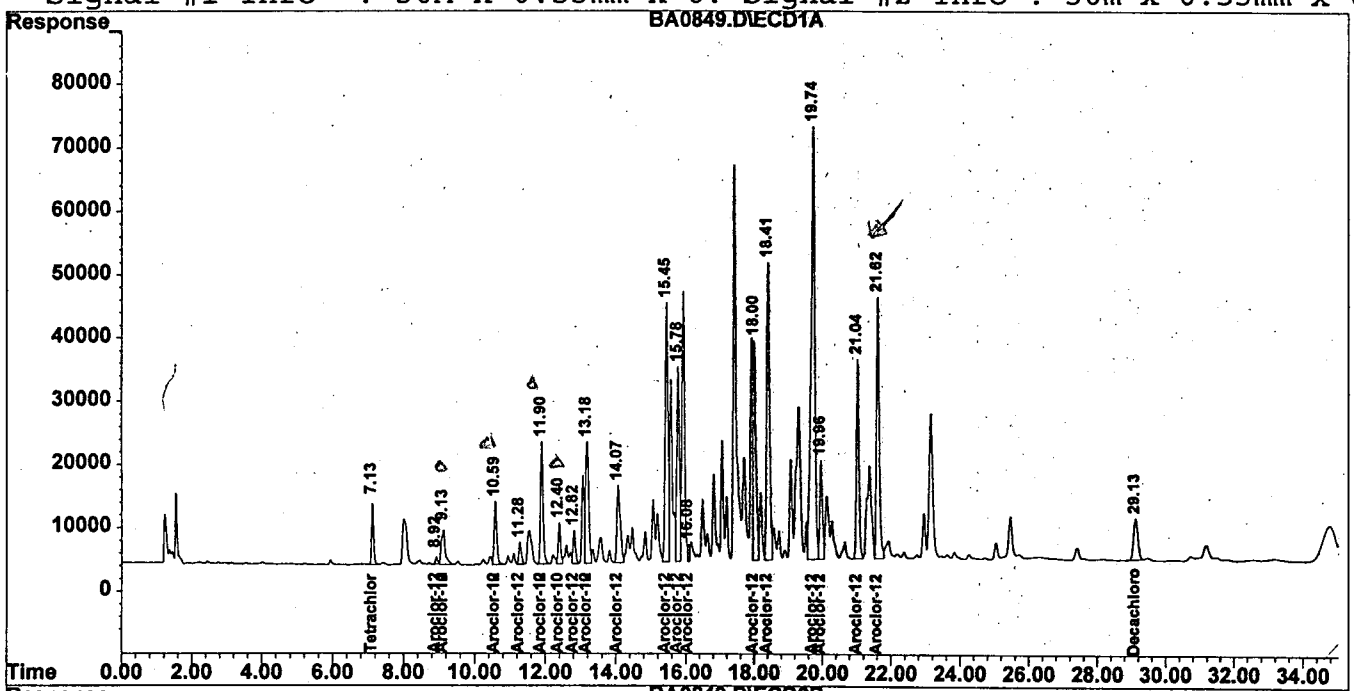
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

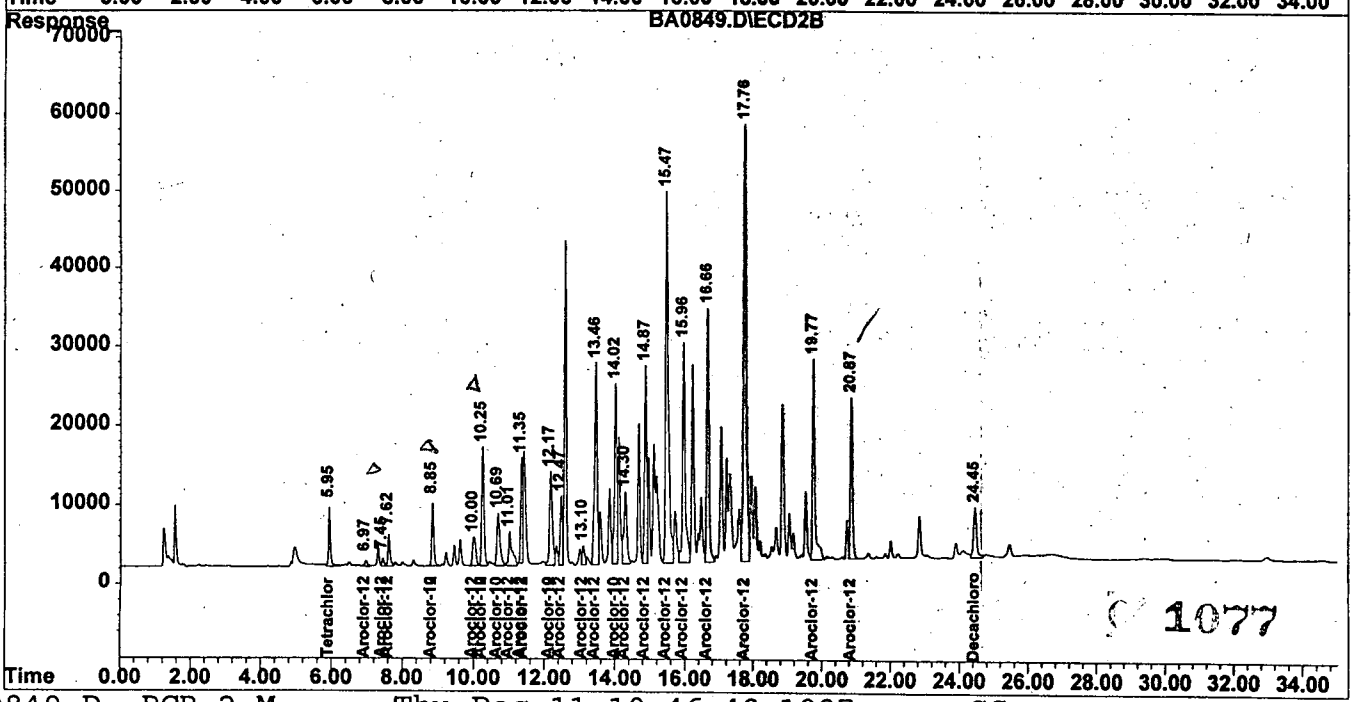
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_B\BA0849.D\ECD2B.CH
Acq On : 11 Dec 97 2:18 Operator:
Sample : 278174 SPIKE Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 10:34 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1077

Quantitation Report

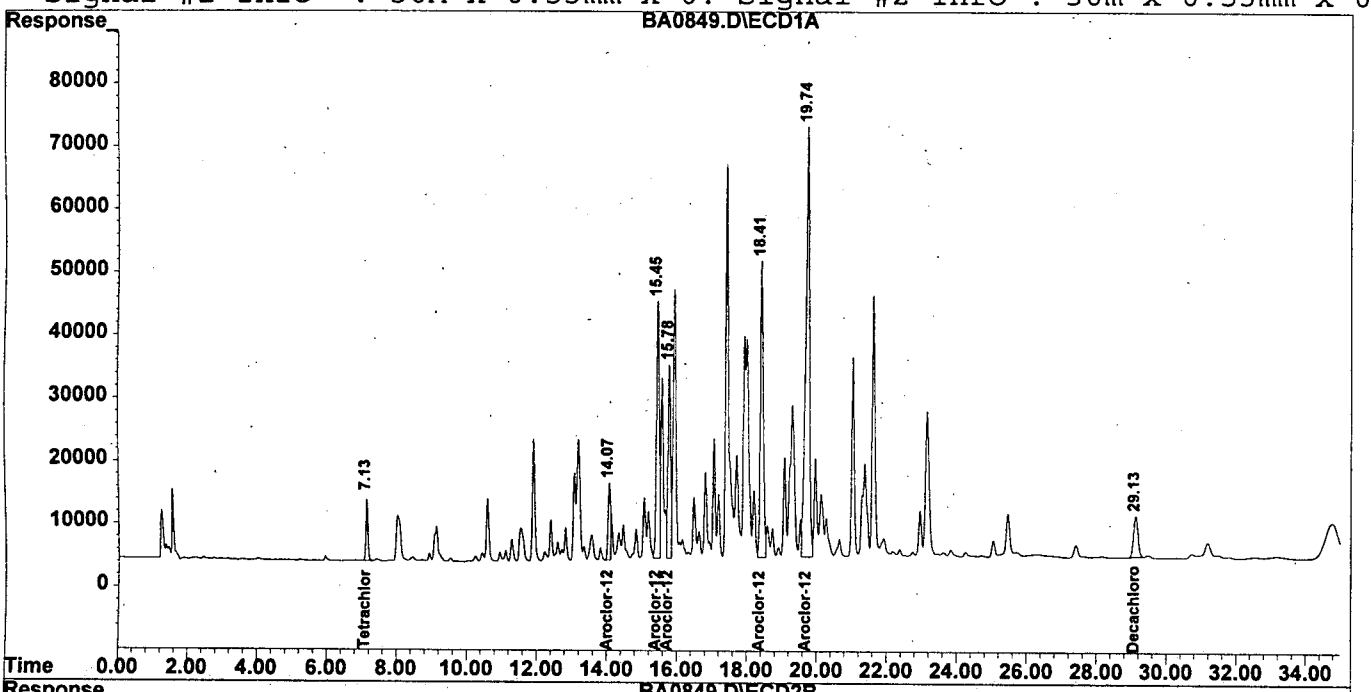
AMENDED REPORT MAY 2 8 1998

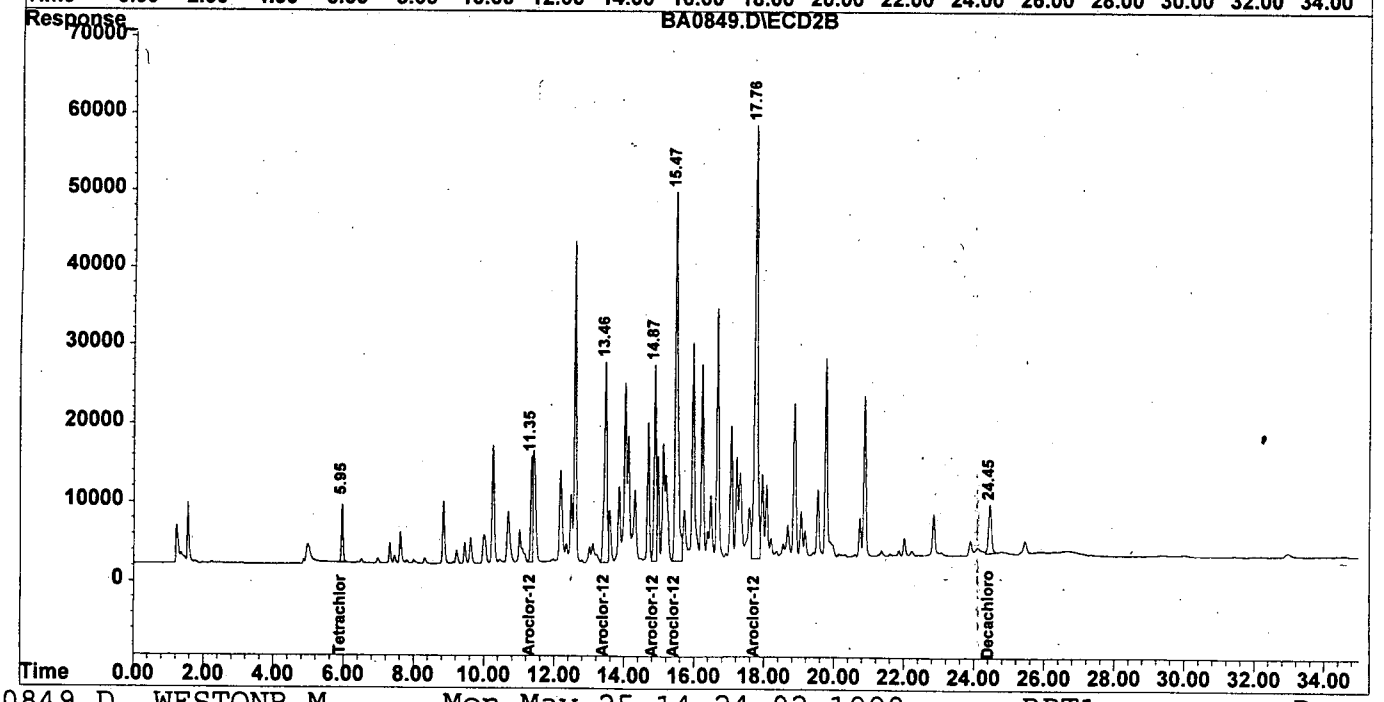
Signal #1 : E:\WESTDA~1\BA0849.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0849.D\ECD2B.CH
Acq On : 11 Dec 97 2:18
Sample : 278174 SPIKE
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:18 1998 Quant Results File: WESTONB.RES

Vial: 7
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1077A

Quantitation Report

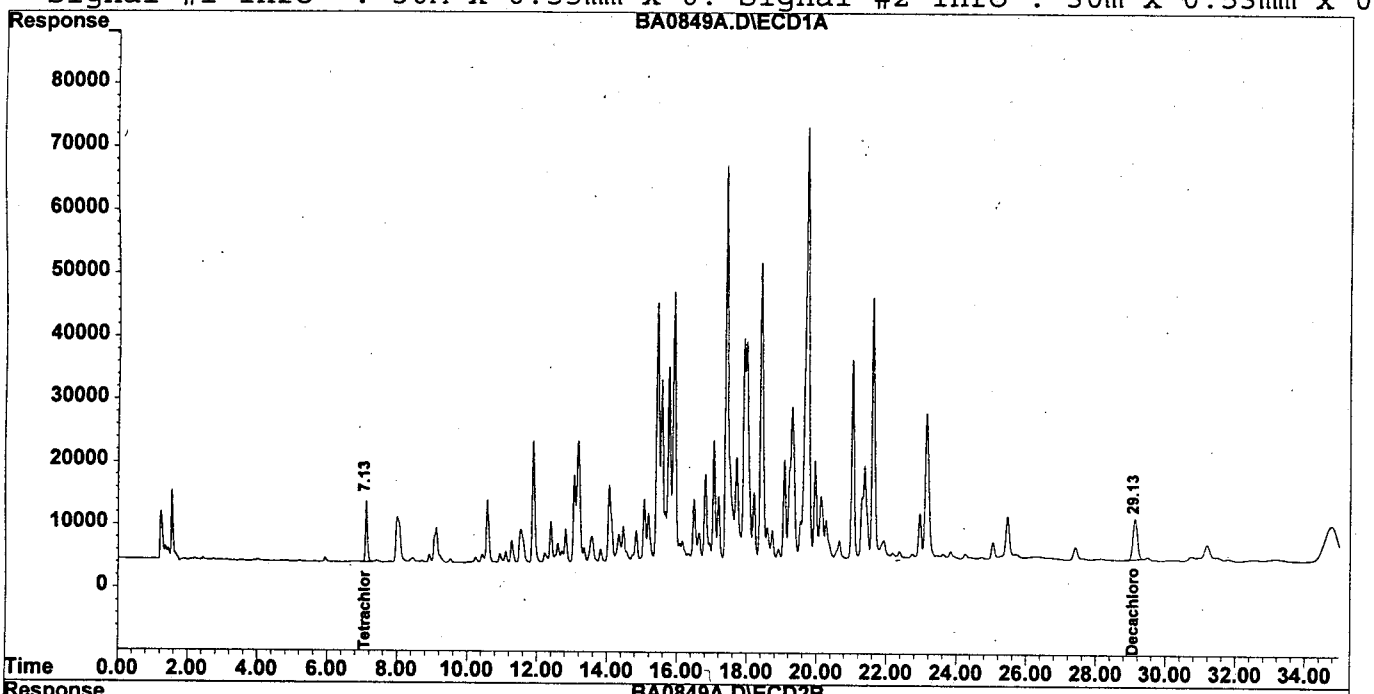
AMENDED REPORT MAY 30 1998

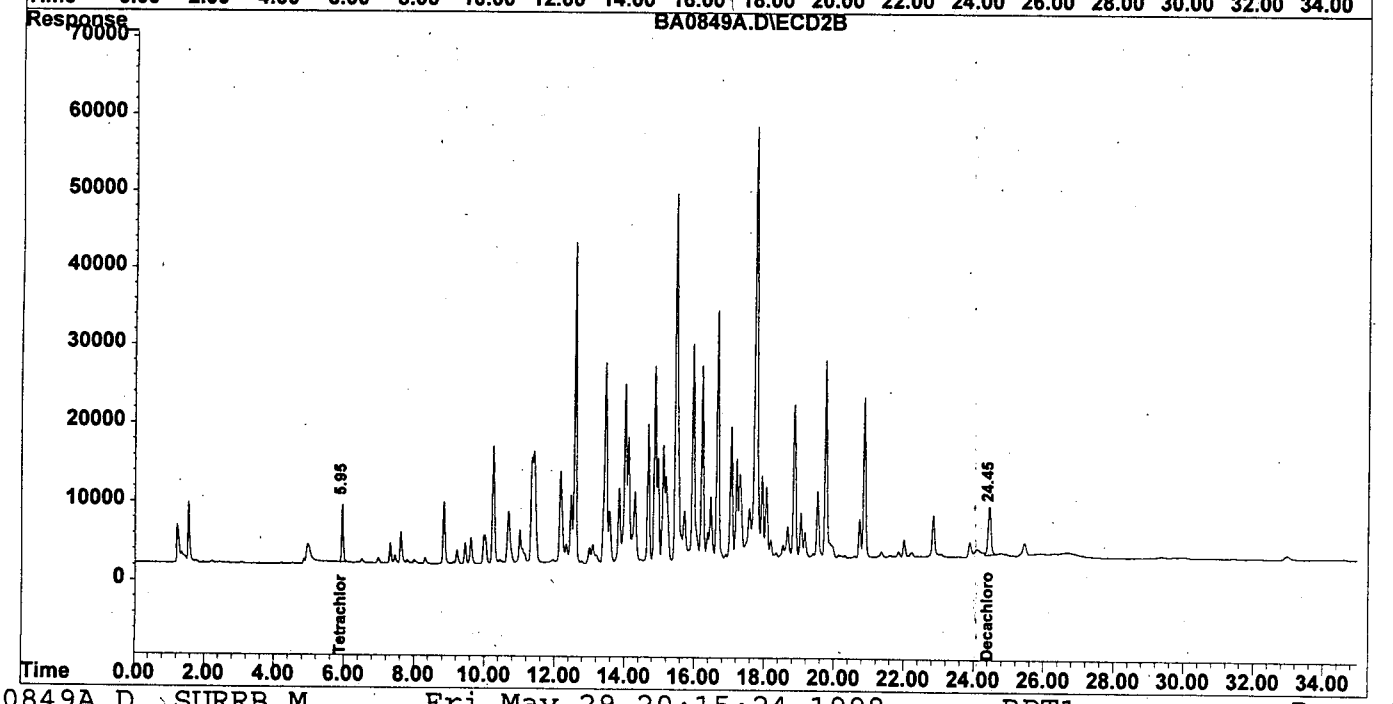
Signal #1 : E:\WESTDA~1\BA0849A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0849A.D\ECD2B.CH
Acq On : 11 Dec 97 2:18
Sample : 278174 SPIKE
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Vial: 7
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:05 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	380229	252949	41.972	39.053
Spiked Amount 40.000 Range 43 - 150 Recovery =					104.93%	97.63%
2) SA Decachlorobiphen	29.13	24.45	573170	354383	38.088	39.738
Spiked Amount 40.000 Range 24 - 154 Recovery =					95.22%	99.35%
Target Compounds						
3) L1 Aroclor-1016{1}	9.13	8.85	354488	325041	1665.339	1116.912 #
4) L1 Aroclor-1016{2}	10.59	10.25	527831	650833	1119.517	1149.706
5) L1 Aroclor-1016{3}	11.90	10.69	947863	362964	1152.368	1354.640
6) L1 Aroclor-1016{4}	~~12.40~~	~~12.17~~	312521	530553	1116.263	~~2068.116~~ #
7) L1 Aroclor-1016{5}	~~13.19~~	~~14.02~~	883890	724961	~~2706.919~~	~~4915.662~~ #
Sum Aroclor-1016			3026593	2594353	~~7760.407~~	~~10605.036~~
Average Aroclor-1016					~~1552.081~~	~~2121.007~~
					Sum 5053,487	3667,168
					Avg 1263,372	1207,086
8) L2 Aroclor-1221{1}	0.00	6.97	0	28321	N.D.	~~293.126~~ #
9) L2 Aroclor-1221{2}	8.93	7.45	50039	38935	509.461	552.133
10) L2 Aroclor-1221{3}	9.13	7.62	354488	166681	1171.071	683.355 #
Sum Aroclor-1221			404527	233937	1680.532	1528.615
Average Aroclor-1221					840.266	509.538
					NP	NP
11) L3 Aroclor-1232{1}	8.93	8.85	50039	325041	874.170	2246.008 #
12) L3 Aroclor-1232{2}	9.13	10.00	354488	185629	1734.586	4443.503 #
13) L3 Aroclor-1232{3}	10.59	11.35	527831	374370	2431.880	4494.184 #
14) L3 Aroclor-1232{4}	11.90	13.10	947863	88529	2700.210	1564.801 #
Sum Aroclor-1232			1880222	973569	7740.846	12748.497
Average Aroclor-1232					1935.211	3187.124
					NP	NP
15) L4 Aroclor-1242{1}	9.13	8.85	354488	325041	1933.759	1300.757 #
16) L4 Aroclor-1242{2}	10.59	10.00	527831	185629	1439.480	2418.532 #
17) L4 Aroclor-1242{3}	11.28	11.01	159049	266408	1434.611	1651.574
18) L4 Aroclor-1242{4}	12.82	12.17	240255	530553	1394.756	2292.687 #
19) L4 Aroclor-1242{5}	14.07	14.30	675621	368781	1859.217	4126.217 #
Sum Aroclor-1242			1957243	1676413	8061.824	11789.766
Average Aroclor-1242					1612.365	2357.953
					NP	NP

1078

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:05 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
20) L5	Aroclor-1248{1}	10.59	10.25	527831	650833	2720.841	1562.589 #
21) L5	Aroclor-1248{2}	11.90	12.17	947863	530553	1694.207	1565.605
22) L5	Aroclor-1248{3}	13.19	12.47	883890	296795	2138.521	937.623 #
23) L5	Aroclor-1248{4}	14.07	13.46	675621	926025	1361.216	3441.462 #
24) L5	Aroclor-1248{5}	16.08	15.47	64183	1710970	170.239	13584.285 #
Sum	Aroclor-1248			3099388	4115177	8085.025	21091.564
Average	Aroclor-1248					1617.005	4218.313
25) L6	Aroclor-1254{1}	14.07	11.35	675621	374370	4977.543	1698.073 #
26) L6	Aroclor-1254{2}	15.45	13.46	1425355	926025	3866.102	2211.274 #
27) L6	Aroclor-1254{3}	15.78	14.87	1131581	641626	2455.451	4292.131 #
28) L6	Aroclor-1254{4}	18.42	15.47	1992835	1710970	4917.031	3521.025 #
29) L6	Aroclor-1254{5}	19.74	17.76	3577307	2127161	4145.178	4680.863
Sum	Aroclor-1254			8802699	5780153	20361.304	16403.366
Average	Aroclor-1254					4072.261	3280.673
30) L7	Aroclor-1260{1}	18.00	15.96	1495737	1015341	2873.974	~~2979.059~~
31) L7	Aroclor-1260{2}	18.42	16.67	1992835	1060497	~~3237.501~~	~~2608.556~~
32) L7	Aroclor-1260{3}	19.96	17.76	719230	2127161	1576.268	~~4124.472~~ #
33) L7	Aroclor-1260{4}	21.04	19.77	1187130	949428	~~2547.805~~	1516.295 #
34) L7	Aroclor-1260{5}	21.62	20.88	1952543	754136	1514.628	1596.587
Sum	Aroclor-1260			7347475	5906563	~~11750.176~~	~~12824.970~~
Average	Aroclor-1260					~~2350.035~~	~~2564.994~~
						Sum 5964.87	3142.82
						Avg 1988.24	1556.44

1079

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0850.D\ECD1A.CH Vial: 8
Signal #2 : E:\WESTDA~1\BA0850.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:20 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	379216	238549	20.237	18.649
Spiked Amount 40.000 Range 43 - 150 Recovery =					50.59%	46.62%
2) SA Decachlorobiphen	29.13	24.45	573170	340118	25.991	36.615 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					64.98%	91.54%
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.35	638948	366582	4708.937m	1649.906 #
4) L6 Aroclor-1254{2}	15.45	13.46	1414694	926036	3688.116	2209.540 #
5) L6 Aroclor-1254{3}	15.78	14.87	1123870	641629	2135.160	4279.499 #
6) L6 Aroclor-1254{4}	18.42	15.47	1986061	1710972	4631.888	3440.246 #
7) L6 Aroclor-1254{5}	19.74	17.76	3571019	2127149	4112.022	4439.242
Sum Aroclor-1254			8734593	5772368	19276.123	16018.434
Average Aroclor-1254					3855.225	3203.687

1079A

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

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0850A.D\ECD1A.CH Vial: 8
Signal #2 : E:\WESTDA~1\BA0850A.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	379216	238549	40.764	39.477
Spiked Amount 40.000 Range 43 - 150 Recovery =					101.91%	98.69%
2) SA Decachlorobiphen	29.13	24.45	573170	340118	37.953	40.941
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.88%	102.35%
Target Compounds						

1079B

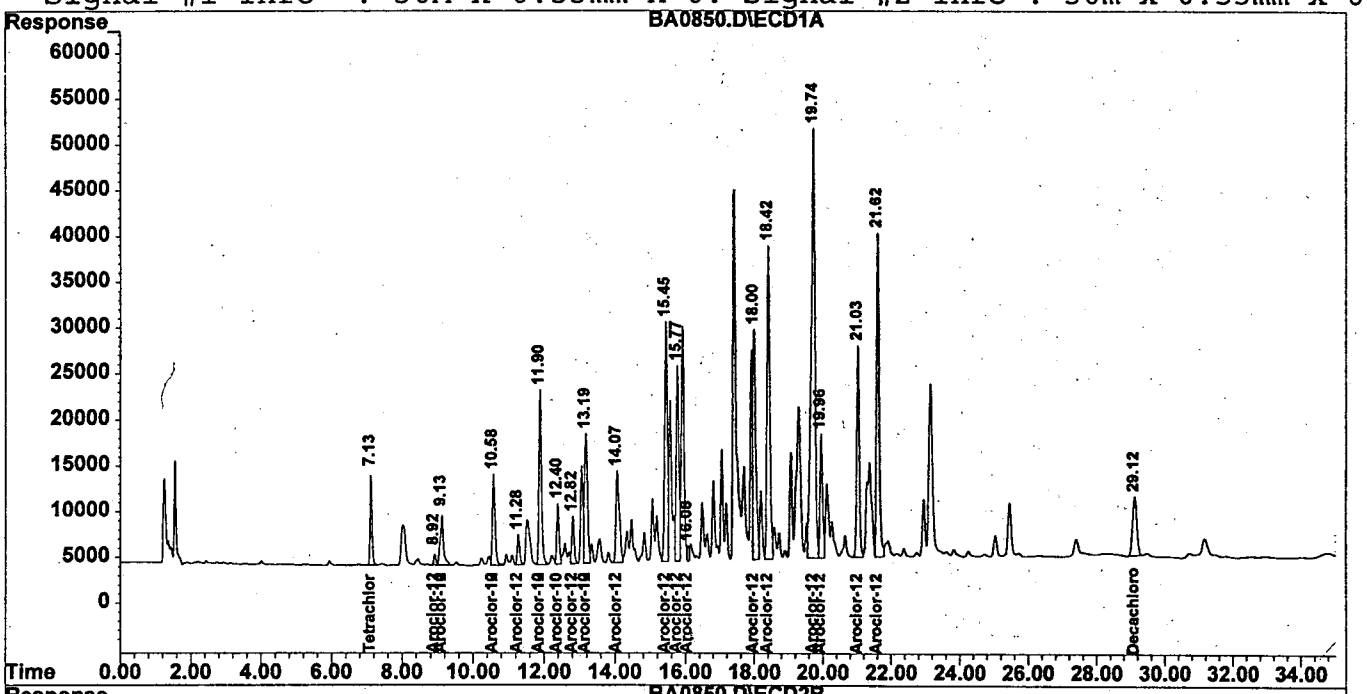
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

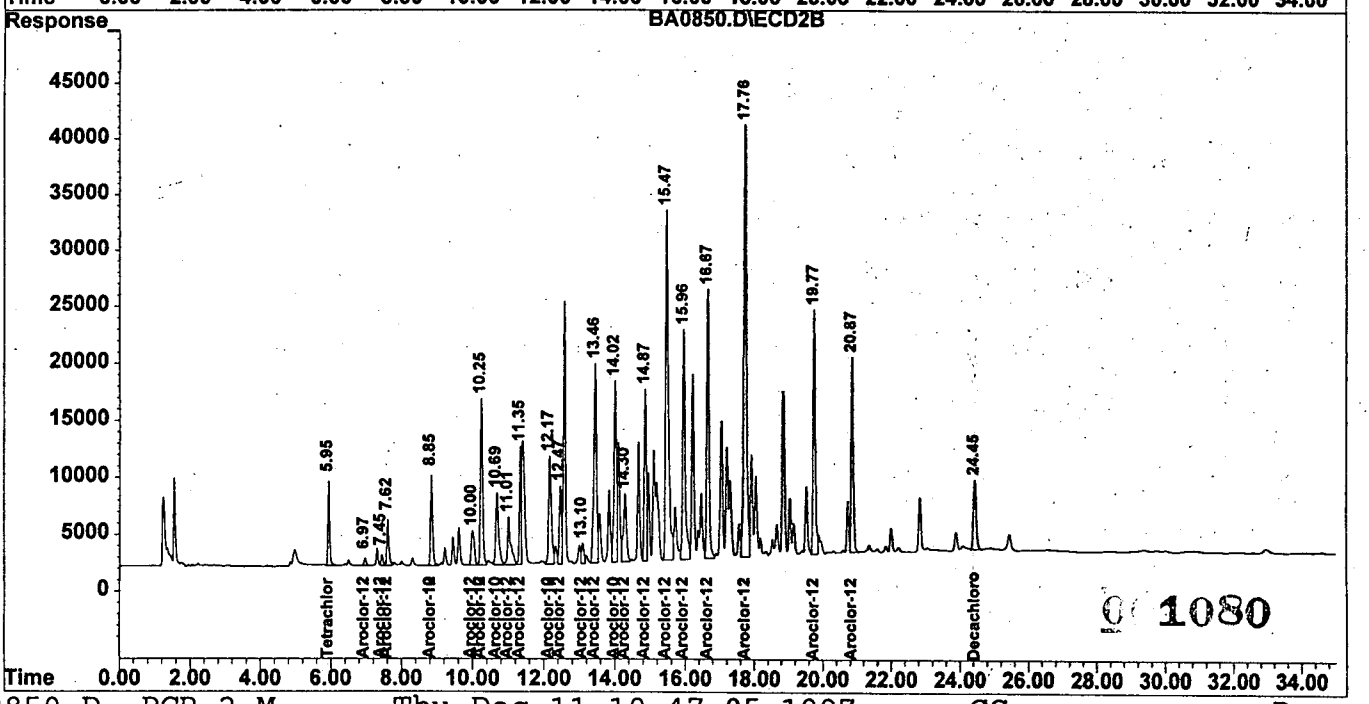
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD1A.CH Vial: 8
Signal #2 : C:\HPCHEM\1\DATA_B\BA0850.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 11 9:05 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1080

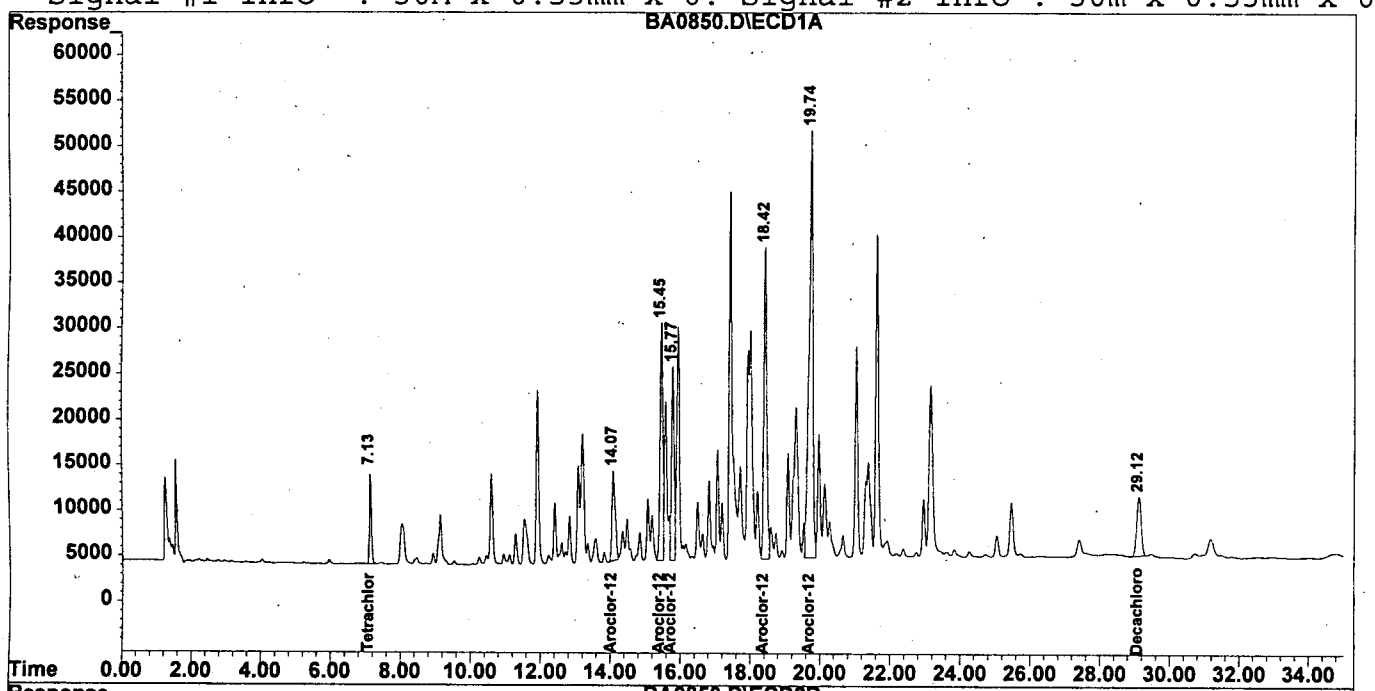
Quantitation Report

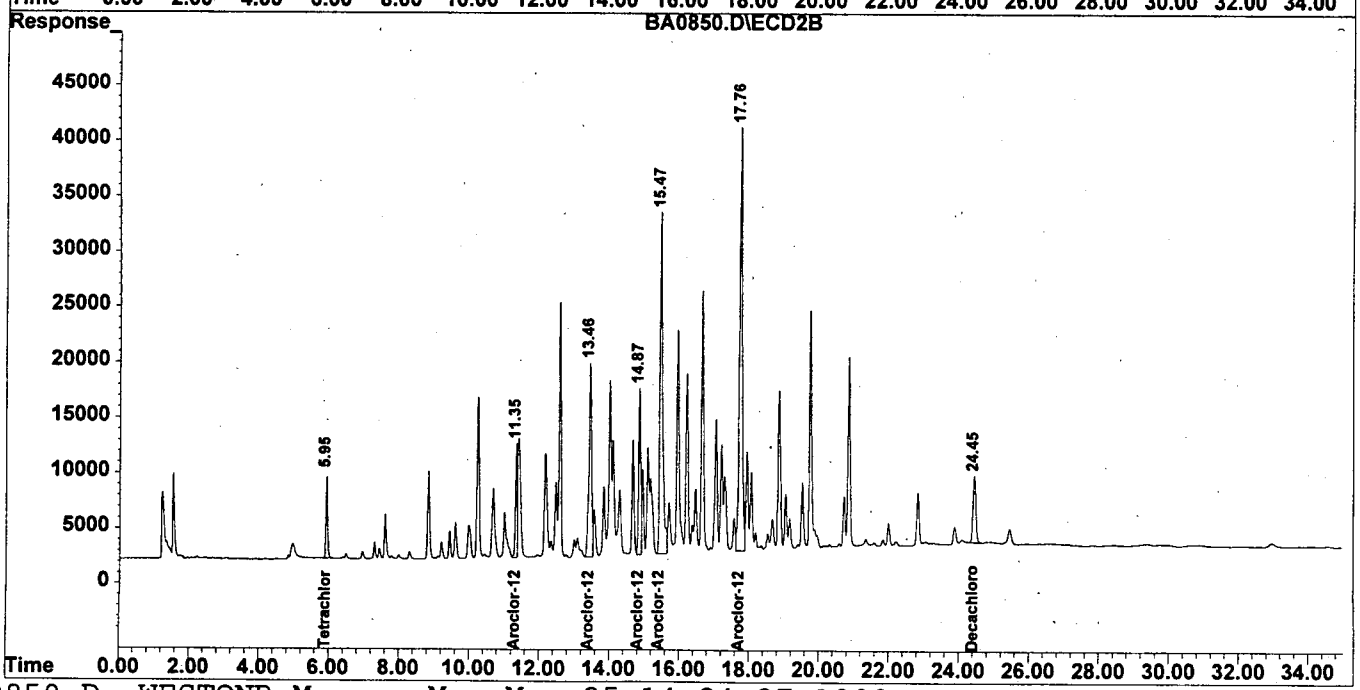
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0850.D\ECD1A.CH Vial: 8
Signal #2 : E:\WESTDA~1\BA0850.D\ECD2B.CH
Acq On : 11 Dec 97 2:56 Operator:
Sample : 278174 SPIKE DUP Inst : GC_5890_2
Misc : QPC7393 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:20 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1 0 8 0A

Quantitation Report

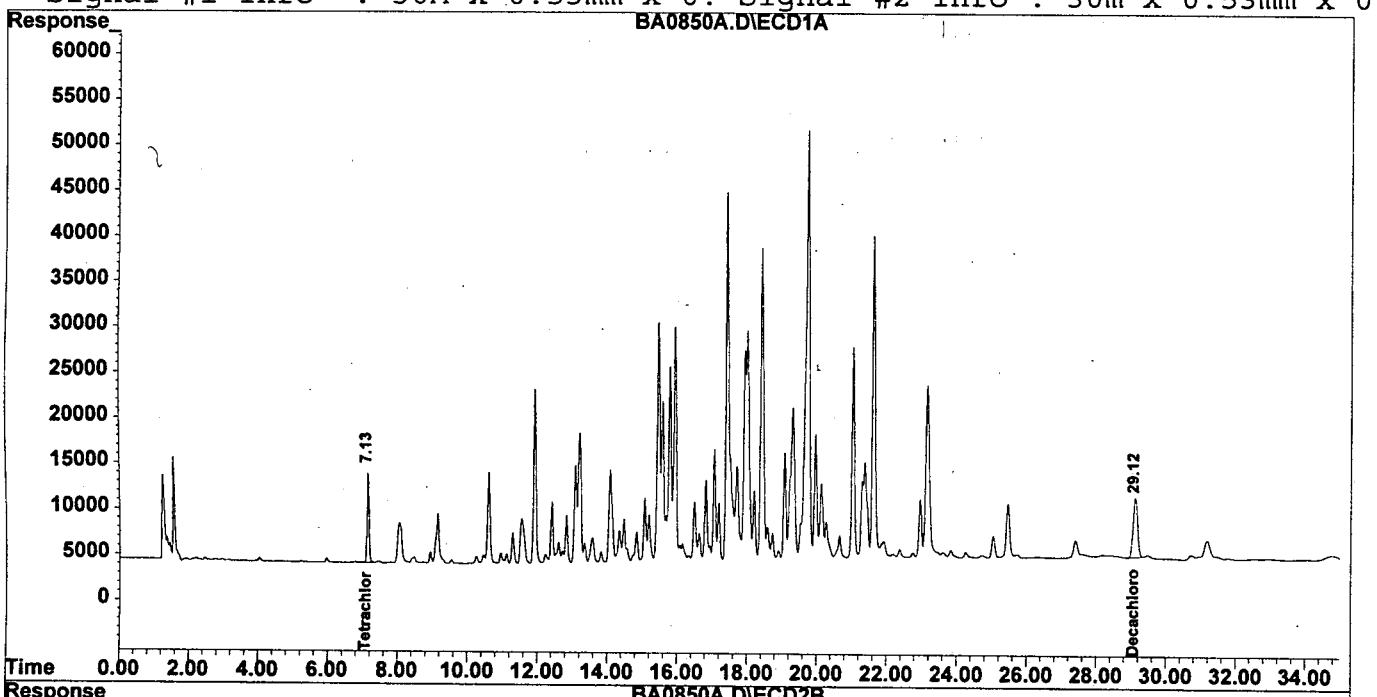
AMENDED REPORT MAY 3 0 1998

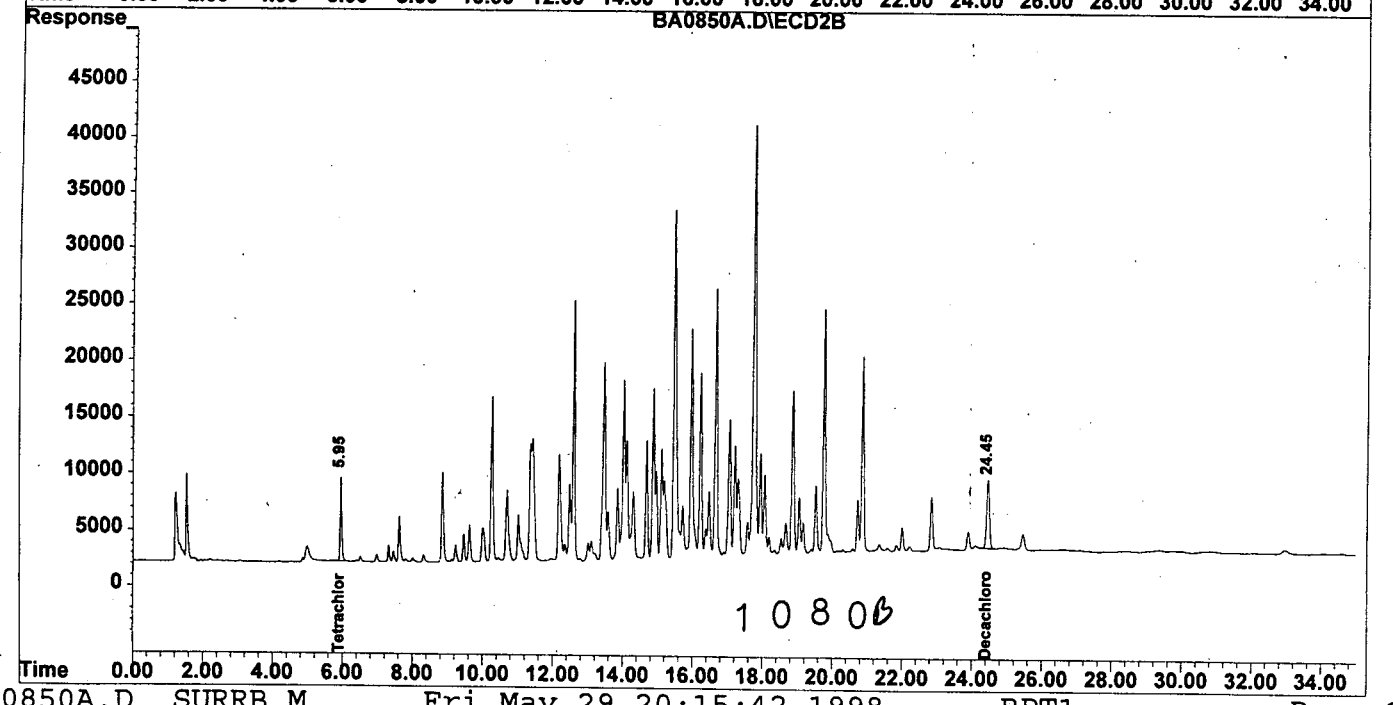
Signal #1 : E:\WESTDA~1\BA0850A.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0850A.D\ECD2B.CH
Acq On : 11 Dec 97 2:56
Sample : 278174 SPIKE DUP
Misc : QPC7393
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:05 1998 Quant Results File: SURRB.RES

Vial: 8
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





AMENDED REPORT MAY 3 0 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
SPIKED SAMPLE: 278207
METHOD: 8080
MATRIX: SOIL
MOISTURE: 40.31%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
			840	150	756	135		
Aroclor-1016	560	U	~~1080~~	~~193~~	~~930~~	~~166~~	25	~~15~~ 10.5
Aroclor-1260	560	U	~~2670~~	~~477~~ *	~~2220~~	~~396~~ *	25	~~18~~ 6.3
			1436	256	1341	239		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278194, 278195, 278196, 278197, 278198, 278199, 278191, 278192, 278193, 278194, 278195, 278196, 278197, 278198, 278199, 278200, 278201, 278202, 278203, 278204, 278205, 278206, 278207

QPC7394B.XLS

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	626838	854161	45.563	42.948
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.91%	107.37%
2) SA Decachlorobiphen	25.91	21.45	1070690	1064801	46.018	49.002
Spiked Amount 40.000 Range 24 - 154 Recovery =					115.05%	122.51%
Target Compounds						
3) L1 Aroclor-1016{1}	8.01	6.52	945882	473319	2842.193	1031.554 #
4) L1 Aroclor-1016{2}	9.36	7.59	947371	1423922	1397.348	1635.057
5) L1 Aroclor-1016{3}	10.56	8.85	1685826	2240083	1320.133	1207.057
6) L1 Aroclor-1016{4}	11.02	9.23	547881	1812149	1238.955	2148.543 #
7) L1 Aroclor-1016{5}	12.55	10.56	2189681	3065351	~~3354.222~~	~~3638.657~~
Sum Aroclor-1016			6316641	9014825	~~10152.851~~	~~9660.868~~
Average Aroclor-1016					~~2030.570~~	1932.174
				Sum	6798.629	6027.108
				Avg	1699.657	1505.552
8) L2 Aroclor-1221{1}	5.21	5.96	106555	85328	821.779	312.467 #
9) L2 Aroclor-1221{2}	7.44	6.36	67528	118893	711.647	686.669
0) L2 Aroclor-1221{3}	7.86	6.52	94900	473319	689.101	739.020
1) L2 Aroclor-1221{4}	8.01	8.85	945882	2240083	2318.959	16309.560 #
Sum Aroclor-1221			1214865	2917624	4541.486	18047.717
Average Aroclor-1221					1135.371	4511.929
2) L3 Aroclor-1232{1}	8.01	6.52	945882	473319	3263.985	1145.260 #
3) L3 Aroclor-1232{2}	9.36	7.59	947371	1423922	3050.626	3879.205 #
4) L3 Aroclor-1232{3}	10.56	8.85	1685826	2240083	3314.859	2977.246
5) L3 Aroclor-1232{4}	12.55	9.23	2189681	1812149	6942.545	5371.539
6) L3 Aroclor-1232{5}	13.47	10.56	1857271	3065351	8187.579	8041.064
Sum Aroclor-1232			7626031	9014825	24759.594	21414.314
Average Aroclor-1232					4951.919	4282.863
7) L4 Aroclor-1242{1}	8.01	6.52	945882	473319	3629.360	1297.886 #
8) L4 Aroclor-1242{2}	9.36	7.59	947371	1423922	1762.236	2194.400
9) L4 Aroclor-1242{3}	10.56	8.85	1685826	2240083	1734.344	1606.042
0) L4 Aroclor-1242{4}	11.02	9.23	547881	1812149	1651.469	2961.473 #
1) L4 Aroclor-1242{5}	12.55	10.56	2189681	3065351	3929.305	4634.215
Sum Aroclor-1242			6316641	9014825	12706.714	12694.015
Average Aroclor-1242					2541.343	2538.803

1082

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
2) L5	Aroclor-1248{1}	9.36	7.59	947371	1423922	3295.075	4000.138
3) L5	Aroclor-1248{2}	10.56	8.85	1685826	2240083	2009.663	1847.461
4) L5	Aroclor-1248{3}	12.55	10.56	2189681	3065351	2879.116	3262.350
5) L5	Aroclor-1248{4}	13.47	10.83	1857271	1864253	2614.819	2149.338
6) L5	Aroclor-1248{5}	15.63	13.54	13145564	14718997	39599.681	41588.109
Sum	Aroclor-1248			19825714	23312608	50398.353	52847.397
verage	Aroclor-1248					10079.671	10569.479
						ND	ND
7) L6	Aroclor-1254{1}	11.63	0.00	2008751	0	5369.197	N.D. #
8) L6	Aroclor-1254{2}	13.82	11.72	7403751	7961308	12476.674	6445.457 #
9) L6	Aroclor-1254{3}	15.63	12.23	13145564	6614706	10117.136	6693.539 #
0) L6	Aroclor-1254{4}	16.55	13.54	8149548	14718997	13048.886	10511.993
1) L6	Aroclor-1254{5}	17.77	15.61	15380361	17755757	12680.760	12925.645
Sum	Aroclor-1254			46087975	47050769	53692.654	36576.633
verage	Aroclor-1254					10738.531	9144.158
2) L7	Aroclor-1260{1}	16.14	13.99	4760170	8106701	~~4899.731~~m	~~7389.043~~ #
3) L7	Aroclor-1260{2}	16.55	14.63	8149548	9440553	~~6912.849~~	6484.293
4) L7	Aroclor-1260{3}	18.97	15.61	4786274	17755757	5769.101	~~9355.859~~ #
5) L7	Aroclor-1260{4}	19.50	17.44	5849089	6173568	3051.784	2768.649
6) L7	Aroclor-1260{5}	20.84	18.44	4238950	4257220	2712.695	2613.704
Sum	Aroclor-1260			27784031	45733799	~~23346.159~~	~~28611.548~~
verage	Aroclor-1260					~~4669.232~~	~~5722.310~~
						Sum 11533.58	11866.646
						Avg 3844.527	3955.549

1083

12/13/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : E:\WESTDA~1\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 18 14:45 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	626838	922939	44.072	42.625
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.18%	106.56%
2) SA Decachlorobiphen	25.91	21.44	1062447	1018429	45.172	44.641m
Spiked Amount 40.000 Range 24 - 154 Recovery =					112.93%	111.60%
Target Compounds						
3) L1 Aroclor-1016{1}	8.00	6.52	791496	473316	2407.642m	1027.944 #
4) L1 Aroclor-1016{2}	9.36	7.59	953848	1423922	1406.038	1629.834
5) L1 Aroclor-1016{3}	10.56	8.85	1698730	2244647	1327.643	1205.820
6) L1 Aroclor-1016{4}	11.02	9.23	557147	1819826	1256.238	2151.053 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.56~~	2216144	3076148	~~3381.894~~	~~3640.308~~
Sum Aroclor-1016			6217365	9037860	9779.455	9654.960
Average Aroclor-1016					~~1955.891~~ 1599.39	~~1930.992~~ 1530.66
8) L7 Aroclor-1260{1}	16.16	13.99	5306306	8136927	5429.658m	7389.616 #
9) L7 Aroclor-1260{2}	16.55	14.63	8197222	9470259	6900.673	6456.362
10) L7 Aroclor-1260{3}	18.97	15.61	4885148	17789718	5837.991	9292.204 #
11) L7 Aroclor-1260{4}	19.50	17.44	5925017	5638350	3030.769	2511.191
12) L7 Aroclor-1260{5}	20.84	18.44	4343038	4313997	2685.667	2631.969
Sum Aroclor-1260			28656730	45349250	23884.757	28281.342
Average Aroclor-1260					~~4776.951~~ 2858.22	~~5656.268~~ 2571.58

5/30/98

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

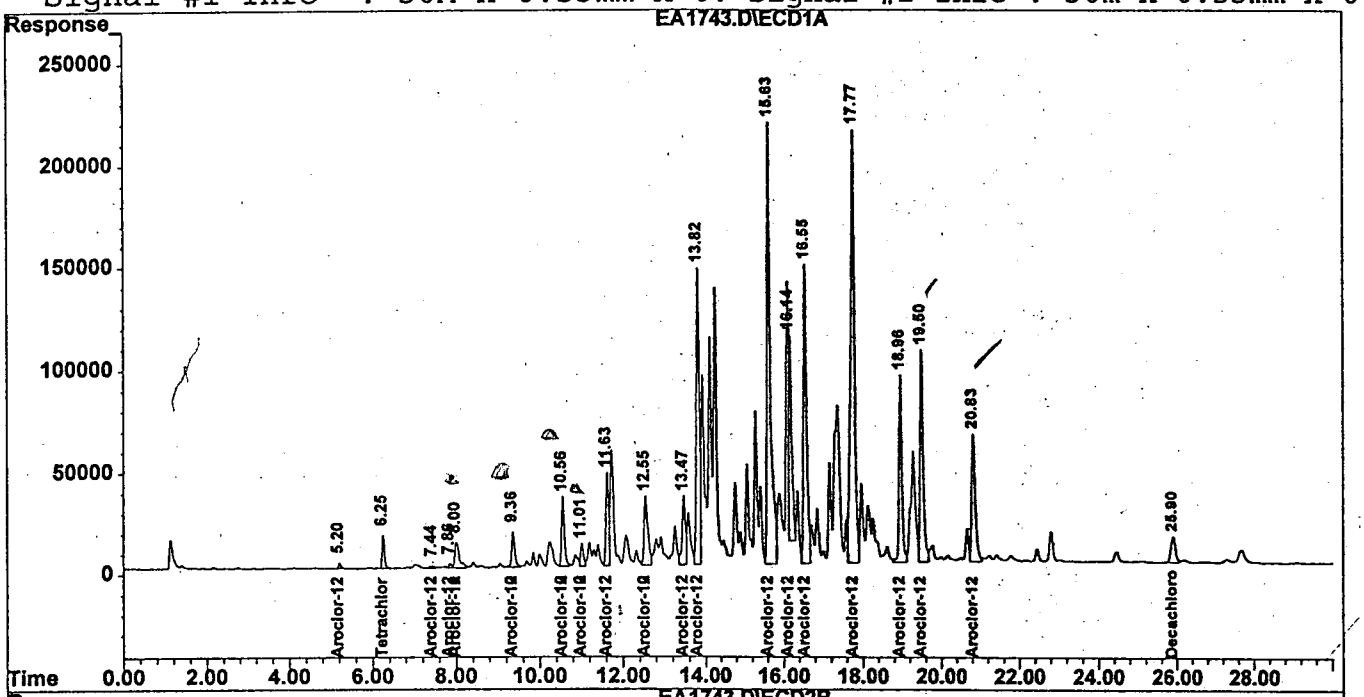
1083A

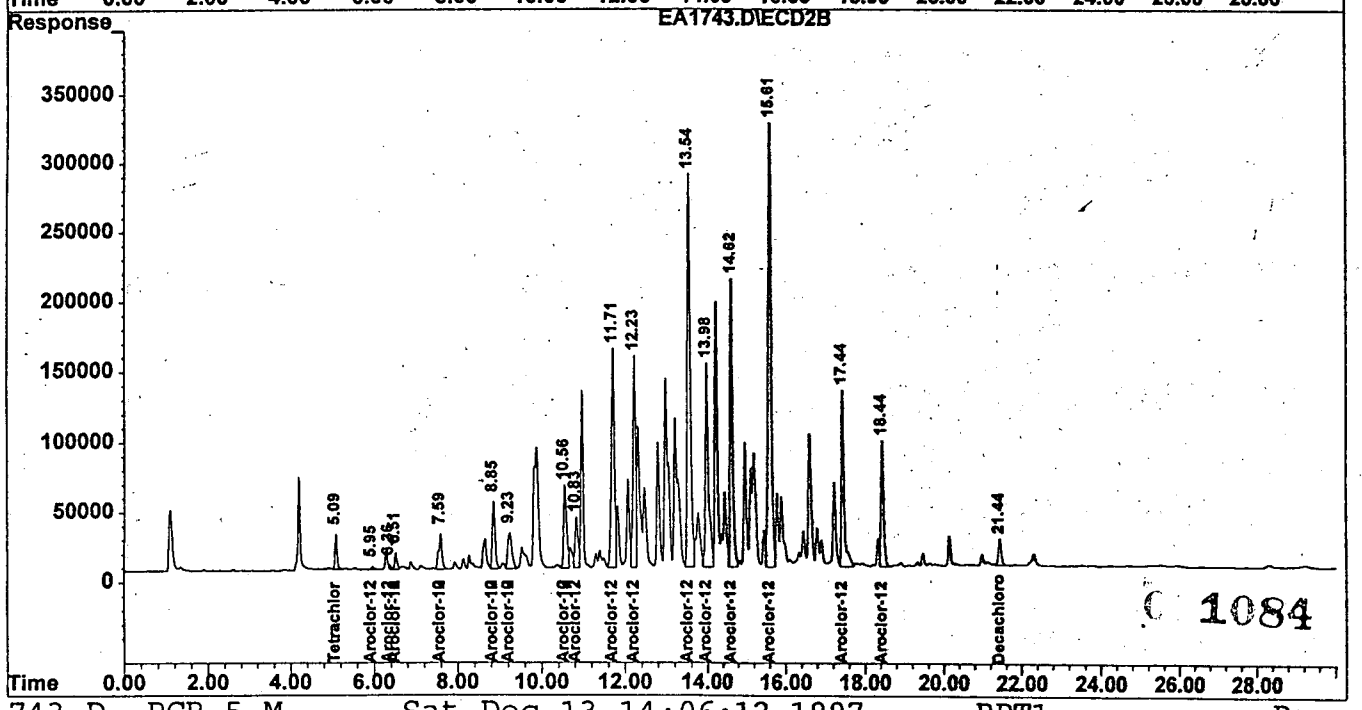
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





C 1084

Quantitation Report

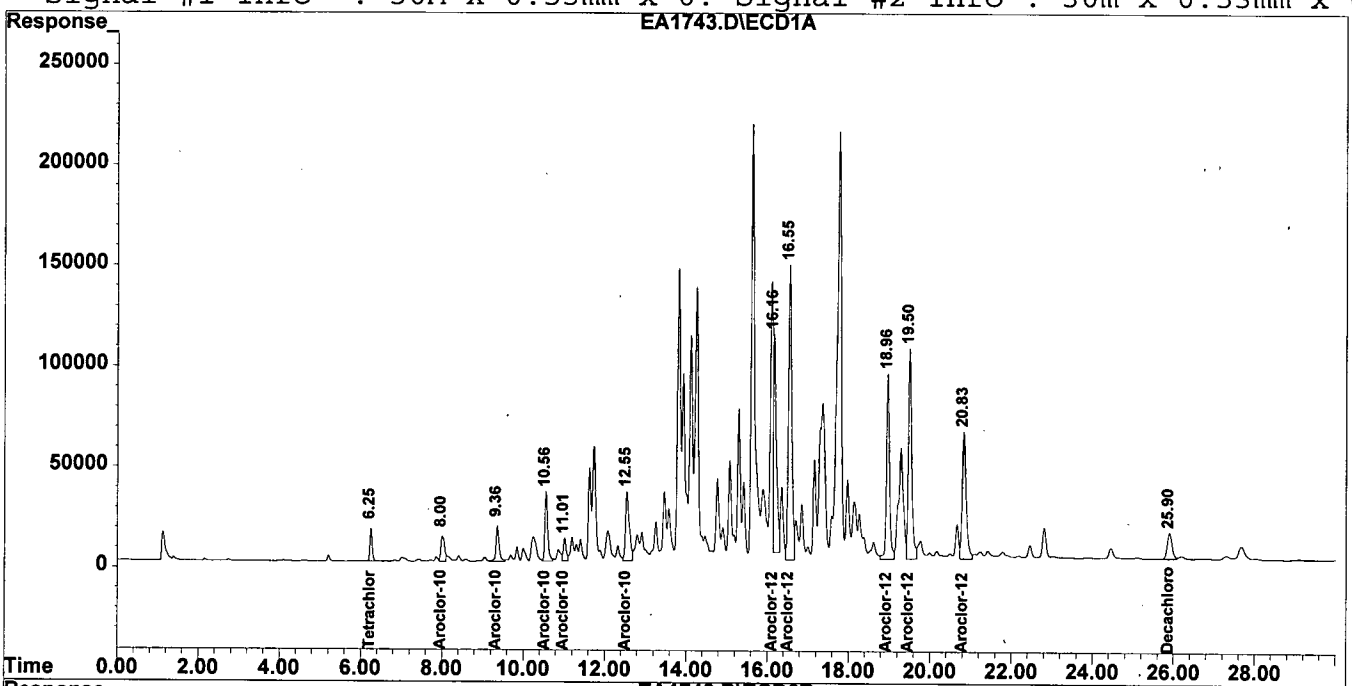
AMENDED REPORT MAY 3 0 1998

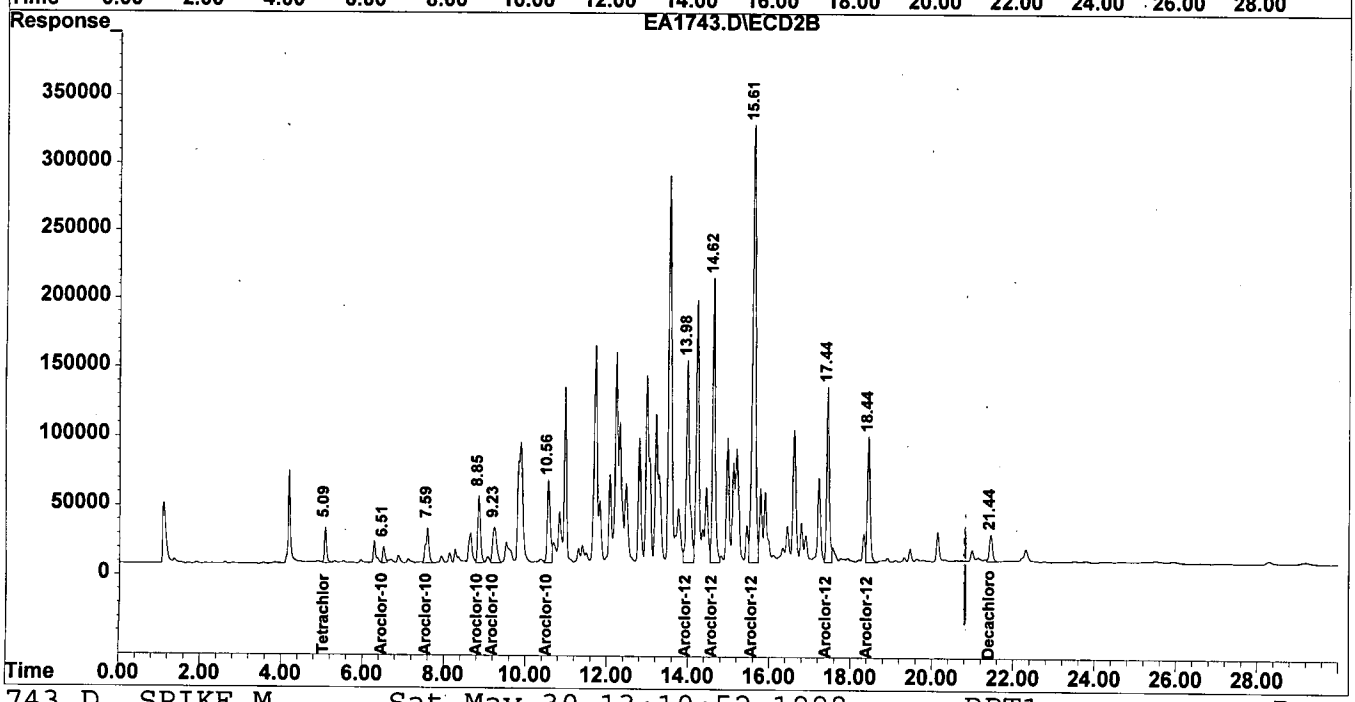
Signal #1 : E:\WESTDA~1\EA1743.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39
Sample : 278207 S
Misc : QPC7394
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 18 14:45 1998 Quant Results File: SPIKE.RES

Vial: 39
Operator:
Inst : GC_5890_5
Multiplr: 1.00

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1084A

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.09	620278	879299	45.086	44.212	
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.72%	110.53%	
2) SA Decachlorobiphen	25.90	21.44	1106872	1161816	47.573	53.467	
Spiked Amount 40.000 Range 24 - 154 Recovery =					118.93%	133.67%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.01	6.51	828902	483554	2490.691	1053.861	#
4) L1 Aroclor-1016{2}	9.36	7.59	885419	1142410	1305.970	1311.802	
5) L1 Aroclor-1016{3}	10.56	8.85	1579930	2144480	1237.207	1155.542	
6) L1 Aroclor-1016{4}	11.02	9.23	530647	1588124	1199.984	1882.932	#
7) L1 Aroclor-1016{5}	12.55	10.56	1762216	2458339	~~2699.417~~	~~2918.117~~	
Sum Aroclor-1016			5587114	7816908	~~8933.270~~	~~8322.253~~	
Average Aroclor-1016					~~1786.654~~	~~1664.451~~	
					Sum 6233.845	5404.157	
					Avg 1558.461	1351.034	
8) L2 Aroclor-1221{1}	5.20	5.95	91964	97581	709.253	357.337	#
9) L2 Aroclor-1221{2}	7.44	6.36	64076	117695	675.261	679.748	
0) L2 Aroclor-1221{3}	7.86	6.51	90191	483554	654.909	755.000	
1) L2 Aroclor-1221{4}	8.01	8.85	828902	2144480	2032.167	15613.497	#
Sum Aroclor-1221			1075133	2843311	4071.591	17405.582	
verage Aroclor-1221					1017.898	4351.396	
					NO	NO	
2) L3 Aroclor-1232{1}	8.01	6.51	828902	483554	2860.319	1170.025	#
3) L3 Aroclor-1232{2}	9.36	7.59	885419	1142410	2851.134	3112.277	
4) L3 Aroclor-1232{3}	10.56	8.85	1579930	2144480	3106.634	2850.182	
5) L3 Aroclor-1232{4}	12.55	9.23	1762216	1588124	5587.235	4707.488	
6) L3 Aroclor-1232{5}	13.47	10.56	1333576	2458339	5878.923	6448.743	
Sum Aroclor-1232			6390042	7816908	20284.244	18288.716	
verage Aroclor-1232					4056.849	3657.743	
					NO	NO	
7) L4 Aroclor-1242{1}	8.01	6.51	828902	483554	3180.507	1325.952	#
8) L4 Aroclor-1242{2}	9.36	7.59	885419	1142410	1646.997	1760.562	
9) L4 Aroclor-1242{3}	10.56	8.85	1579930	2144480	1625.400	1537.499	
0) L4 Aroclor-1242{4}	11.02	9.23	530647	1588124	1599.522	2595.364	#
1) L4 Aroclor-1242{5}	12.55	10.56	1762216	2458339	3162.234	3716.531	
Sum Aroclor-1242			5587114	7816908	11214.660	10935.907	
verage Aroclor-1242					2242.932	2187.181	
					NO	NO	

12/13/97

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

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AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
2) L5	Aroclor-1248{1}	9.36	7.59	885419	1142410	3079.597	3209.301	
3) L5	Aroclor-1248{2}	10.56	8.85	1579930	2144480	1883.425	1768.615	
4) L5	Aroclor-1248{3}	12.55	10.56	1762216	2458339	2317.060	2616.328	
5) L5	Aroclor-1248{4}	13.47	10.83	1333576	1480202	1877.517	1706.557	
6) L5	Aroclor-1248{5}	15.63	13.54	10471892	11797502	31545.513	33333.507	
Sum	Aroclor-1248			16033032	19022934	40708.113	42634.308	
verage	Aroclor-1248					8140.623	8526.862	
7) L6	Aroclor-1254{1}	11.63	9.83	1600197	1712340	4277.171	2778.037	#
8) L6	Aroclor-1254{2}	13.82	11.71	5716221	6333762	9632.878	5127.799	#
9) L6	Aroclor-1254{3}	15.63	12.23	10471892	5345446	8059.415	5409.152	#
0) L6	Aroclor-1254{4}	16.55	13.54	6604798	11797502	10575.466	8425.523	
1) L6	Aroclor-1254{5}	17.77	15.61	12402115	14350792	10225.263	10446.935	
Sum	Aroclor-1254			36795223	39539842	42770.194	32187.446	
verage	Aroclor-1254					8554.039	6437.489	
2) L7	Aroclor-1260{1}	16.16	13.98	4691768	6620248	~~4829.323~~	~~6034.181~~	
3) L7	Aroclor-1260{2}	16.55	14.62	6604798	7764573	~~5602.517~~	5333.138	
4) L7	Aroclor-1260{3}	18.96	15.61	3944023	14350792	4753.899	~~7561.715~~	#
5) L7	Aroclor-1260{4}	19.50	17.44	4977257	5337277	2596.902	2393.599	
6) L7	Aroclor-1260{5}	20.83	18.44	3648906	3686886	2335.099	2263.550	
Sum	Aroclor-1260			23866751	37759776	~~20117.739~~	~~23586.183~~	
verage	Aroclor-1260					~~4023.548~~	~~4717.237~~	
						Sum 9685.90	9990.287	
						Avg 3228.633	3330.096	

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12/13/A

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 18 14:46 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	620278	900124	43.610	41.572
Spiked Amount 40.000 Range 43 - 150 Recovery =					109.03%	103.93%
2) SA Decachlorobiphen	25.90	21.44	1118659	1021957	47.562	44.796m
Spiked Amount 40.000 Range 24 - 154 Recovery =					118.91%	111.99%
Target Compounds						
3) L1 Aroclor-1016{1}	8.01	6.51	828902	481267	2521.427	1045.211 #
4) L1 Aroclor-1016{2}	9.36	7.59	885427	1147493	1305.181	1313.431
5) L1 Aroclor-1016{3}	10.56	8.85	1579946	2156658	1234.807	1158.552
6) L1 Aroclor-1016{4}	11.02	9.23	530659	1605679	1196.514	1897.930 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.56~~	~~1762248~~	~~2482931~~	~~2689.237~~	~~2938.296~~
Sum Aroclor-1016			5587182	7874028	8947.165	8353.420
Average Aroclor-1016					~~1789.433~~ 1564.48	~~1670.684~~ 1353.18
8) L7 Aroclor-1260{1}	16.16	13.98	4691808	6710885	4800.875	6094.545 #
9) L7 Aroclor-1260{2}	16.55	14.62	6604856	7855613	5560.171	5355.575
10) L7 Aroclor-1260{3}	18.96	15.61	3944143	14456223	4713.444	7551.001 #
11) L7 Aroclor-1260{4}	19.50	17.44	4977349	5541680	2546.017	2468.136
12) L7 Aroclor-1260{5}	20.83	18.44	3649033	3871252	2256.505	2361.850
Sum Aroclor-1260			23867189	38435653	19877.012	23831.107
Average Aroclor-1260					~~3975.402~~ 3401.26	~~4766.221~~ 2414.99

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

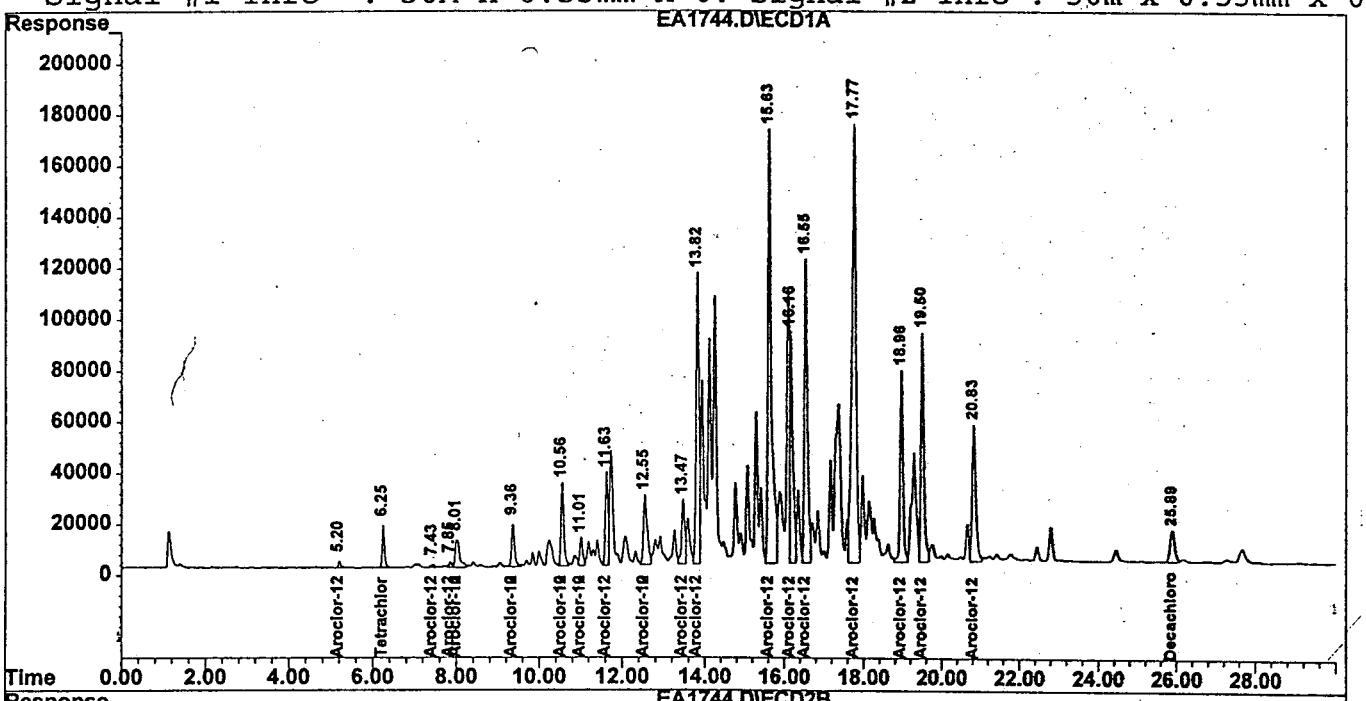
1086A

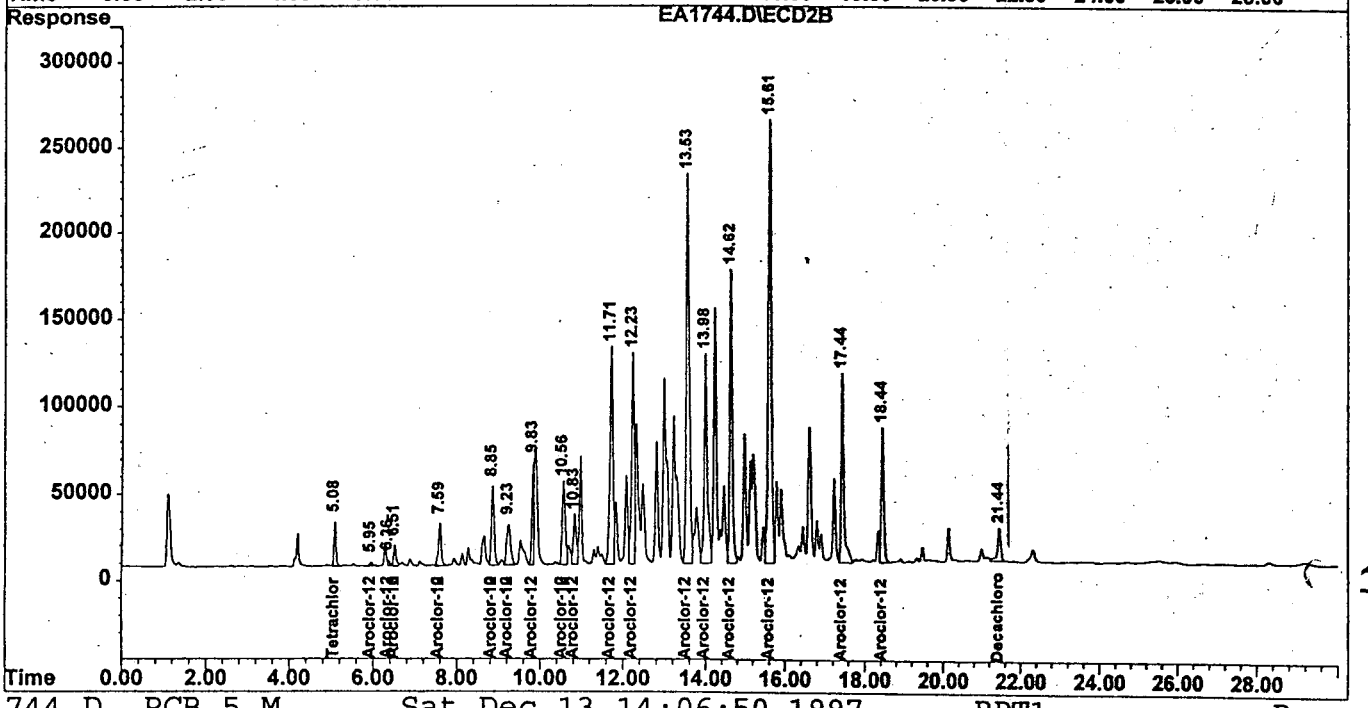
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1087

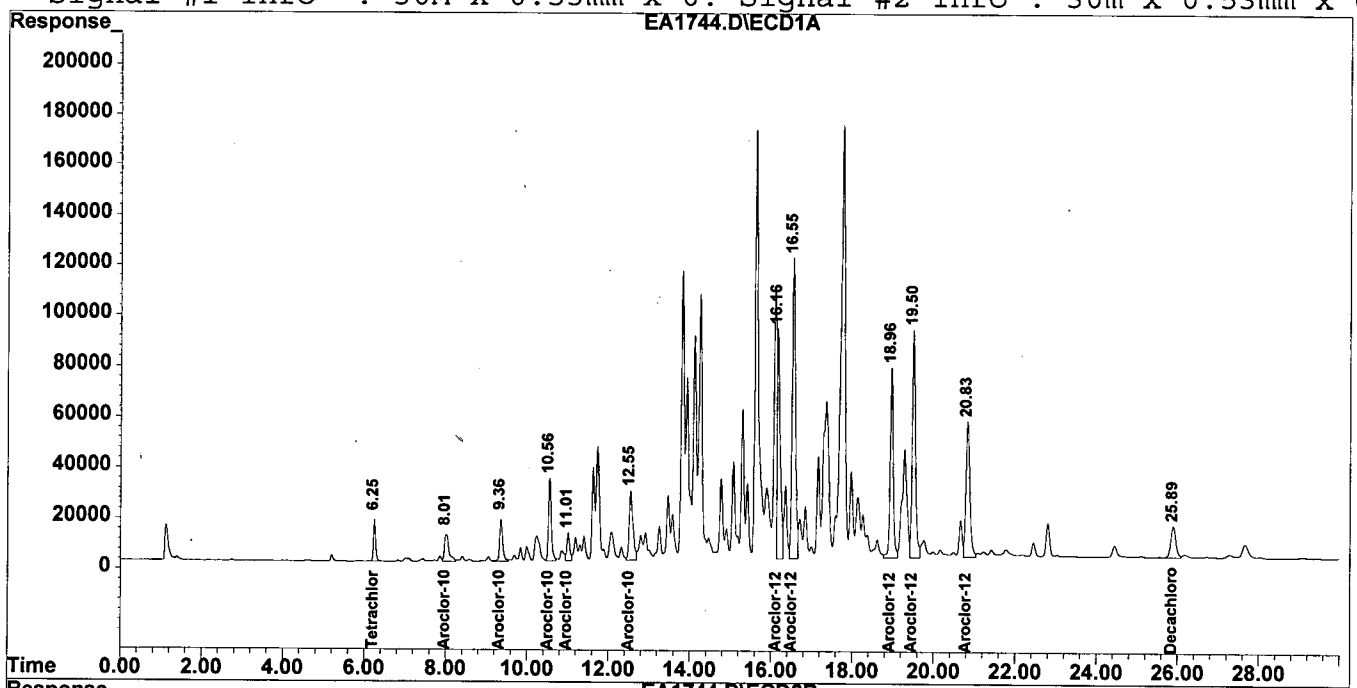
Quantitation Report

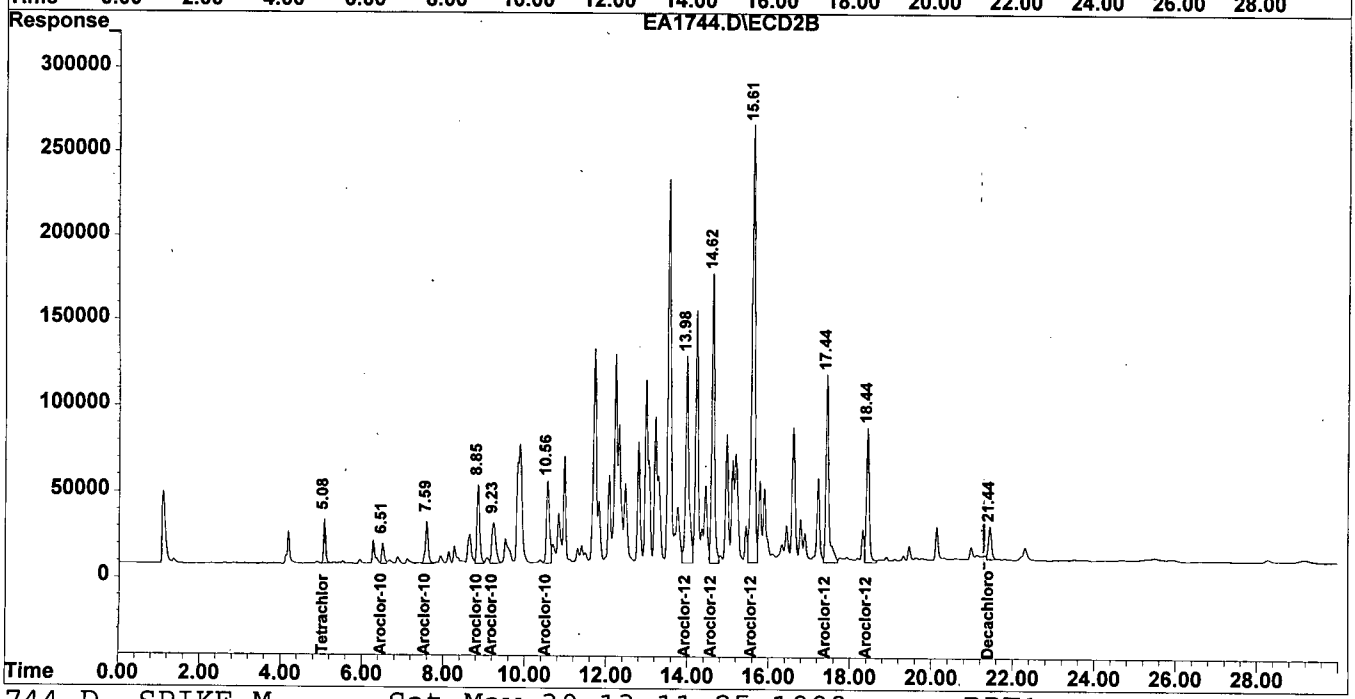
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDA~1\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : E:\WESTDA~1\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 18 14:46 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1087A

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7395
SPIKED SAMPLE: 278220
METHOD: 8080
MATRIX: SOIL
MOISTURE: 43.10%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	590	U	780	132	820	139	25	5
Aroclor-1260	590	U	~~1260~~	~~214~~ *	~~1340~~	~~227~~ *	25	~~-6~~ 3.4
			1005	172	1040	178		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278214, 278215, 278216, 278217, 278218, 278219, 278220, 278221, 278222, 278223, 278224, 278225, 278226, 278227, 278228, 278229, 278230, 278231, 278232

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	400538	256065	44.214	39.534
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.54%	98.83%
2) SA Decachlorobiphen	29.13	24.45	602549	377678	40.040	42.351
Spiked Amount 40.000 Range 24 - 154 Recovery =					100.10%	105.88%
Target Compounds						
4) L1 Aroclor-1016{1}	9.13	8.85	369928	328983	1737.877	1130.456 #
5) L1 Aroclor-1016{2}	10.59	10.25	568292	660542	1205.333	1166.858
5) L1 Aroclor-1016{3}	11.90	10.69	986760	453414	1199.658	1692.215 #
6) L1 Aroclor-1016{4}	12.40	~~12.17~~	330016	718074	1178.752	~~2799.081~~ #
7) L1 Aroclor-1016{5}	~~13.19~~	~~14.02~~	1292003	957432	~~3956.767~~	~~6491.948~~ #
Sum Aroclor-1016			3546999	3118446	~~9278.387~~	~~13280.558~~
Average Aroclor-1016					~~1855.677~~	~~2656.112~~
				Sum	5321.62	3989.527
				Avg	1330.405	1329.843
8) L2 Aroclor-1221{1}	0.00	6.97	0	29406	N.D.	304.355 #
9) L2 Aroclor-1221{2}	8.93	7.45	55197	41272	561.969	585.278
10) L2 Aroclor-1221{3}	9.13	7.62	369928	173586	1222.080	711.665 #
Sum Aroclor-1221			425125	244265	1784.049	1601.299
Average Aroclor-1221					892.025	533.766
11) L3 Aroclor-1232{1}	8.93	8.85	55197	328983	964.268	2273.244 #
12) L3 Aroclor-1232{2}	9.13	10.00	369928	264881	1810.140	6340.596 #
13) L3 Aroclor-1232{3}	10.59	11.35	568292	566472	2618.293	6800.300 #
14) L3 Aroclor-1232{4}	11.90	13.09	986760	97559	2811.018	1724.428 #
Sum Aroclor-1232			1980177	1257895	8203.718	17138.568
Average Aroclor-1232					2050.929	4284.642
15) L4 Aroclor-1242{1}	9.13	8.85	369928	328983	2017.988	1316.531 #
16) L4 Aroclor-1242{2}	10.59	10.00	568292	264881	1549.822	3451.090 #
17) L4 Aroclor-1242{3}	11.28	11.01	178630	315271	1611.236	1954.492
18) L4 Aroclor-1242{4}	12.82	12.17	261081	718074	1515.659	3103.025 #
19) L4 Aroclor-1242{5}	14.08	14.30	933441	547923	2568.703	6130.594 #
Sum Aroclor-1242			2311372	2175132	9263.408	15955.732
Average Aroclor-1242					1852.682	3191.146

1089

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
20) L5 Aroclor-1248{1}	10.59	10.25	568292	660542	2929.403	1585.901 #
21) L5 Aroclor-1248{2}	11.90	12.17	986760	718074	1763.732	2118.961
22) L5 Aroclor-1248{3}	13.19	12.47	1292003	375968	3125.927	1187.741 #
23) L5 Aroclor-1248{4}	14.08	13.46	933441	1282127	1880.662	4764.872 #
24) L5 Aroclor-1248{5}	16.08	15.47	83748	2244214	222.137	17817.982 #
Sum Aroclor-1248			3864244	5280925	9921.861	27475.455
Average Aroclor-1248					1984.372	5495.091
					10	10
25) L6 Aroclor-1254{1}	14.08	11.35	933441	566472	6876.997	2569.411 #
26) L6 Aroclor-1254{2}	15.46	13.46	1924569	1282127	5220.159	3061.617 #
27) L6 Aroclor-1254{3}	15.78	14.87	1544307	812683	3351.038	5436.408 #
28) L6 Aroclor-1254{4}	18.42	15.47	2288626	2244214	5646.852	4618.392
29) L6 Aroclor-1254{5}	19.74	17.76	4500313	2614743	5214.704	5753.797
Sum Aroclor-1254			11191257	7520238	26309.751	21439.625
Average Aroclor-1254					5261.950	4287.925
30) L7 Aroclor-1260{1}	18.00	15.96	1785613	1226964	~~3430.954~~	~~3599.969~~
31) L7 Aroclor-1260{2}	18.42	16.66	2288626	1244448	~~3718.034~~	3061.029
32) L7 Aroclor-1260{3}	19.97	17.76	813971	2614743	1783.901	~~5069.872~~ #
33) L7 Aroclor-1260{4}	21.04	19.77	1385220	1055061	2972.944	1684.998 #
34) L7 Aroclor-1260{5}	21.62	20.87	2211636	842388	1715.612	1783.427
Sum Aroclor-1260			8485065	6983603	~~13621.445~~	~~15199.295~~
Average Aroclor-1260					~~2724.289~~	~~3039.859~~
				Sum	6472.457	6529.454
				Avg	2157.486	2176.485

1090

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

ICM Laboratories Quantitation Report. (QT Reviewed)

AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0876.D\ECD1A.CH
Signal #2 : E:\WESTDA~1\BA0876.D\ECD2B.CH
Acq On : 12 Dec 97 3:48
Sample : 278220 SPIKE
Misc : QPC7395
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:29 1998 Quant Results File: WESTONB.RES

Vial: 25
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	394299	249503	21.041	19.505
Spiked Amount 40.000 Range 43 - 150 Recovery =					52.60%	48.76%
2) SA Decachlorobiphen	29.13	24.45	602549	342309	27.323	36.851 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					68.31%	92.13%
Target Compounds						
3) L6 Aroclor-1254{1}	14.07	11.35	895702	566465	6601.170m	2549.535 #
4) L6 Aroclor-1254{2}	15.46	13.46	1886633	1282079	4918.461	3059.064 #
5) L6 Aroclor-1254{3}	15.78	14.87	1516067	812597	2880.266	5419.817 #
6) L6 Aroclor-1254{4}	18.42	15.47	2266480	2243983	5285.883	4511.971
7) L6 Aroclor-1254{5}	19.74	17.76	4484521	2614403	5163.918	5456.112
Sum Aroclor-1254			11049403	7519527	24849.698	20996.499
Average Aroclor-1254					4969.940	4199.300

1090A 7/30/2008

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

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0876A.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDA~1\BA0876A.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:28 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13f	5.95	403690	249503	43.395m	41.290
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.49%	103.23%
2) SA Decachlorobiphen	29.13	24.45	602549	342309	39.898	41.205
Spiked Amount 40.000 Range 24 - 154 Recovery =					99.75%	103.01%

Target Compounds

1 0 9 0B 5/20/98

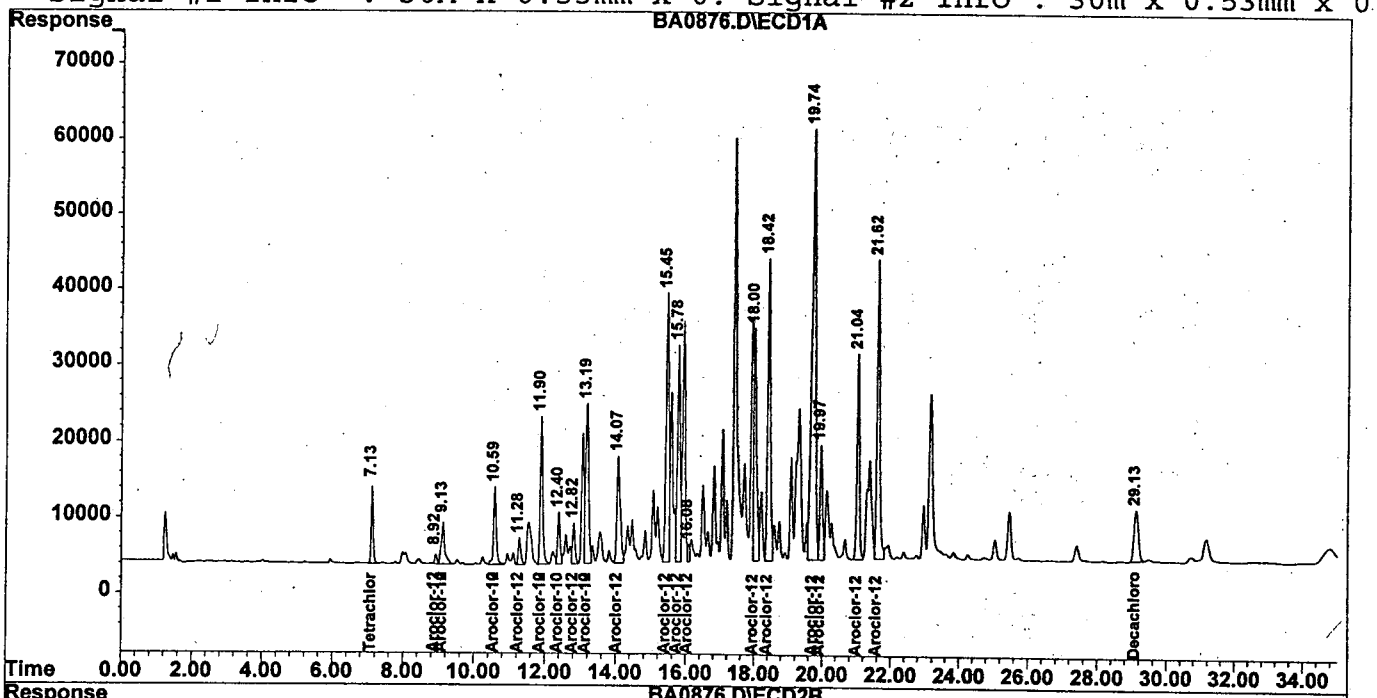
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

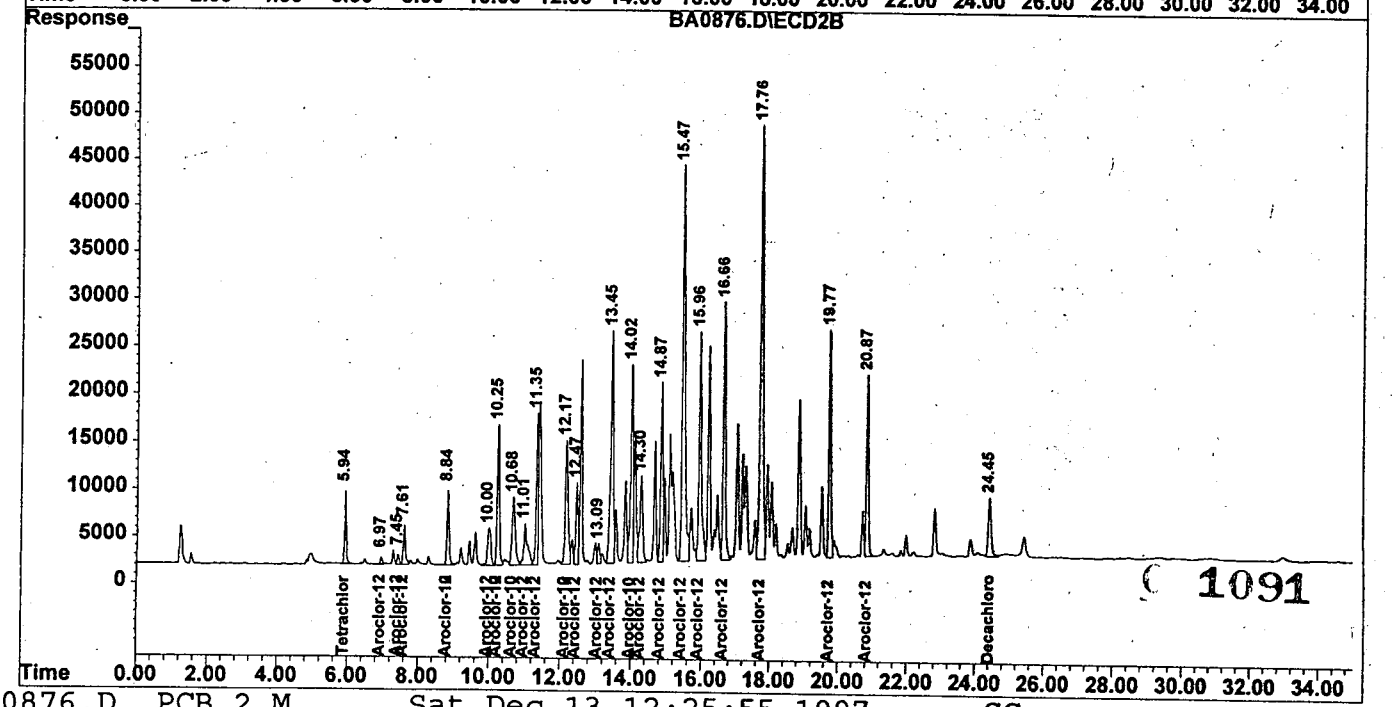
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_B\BA0876.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





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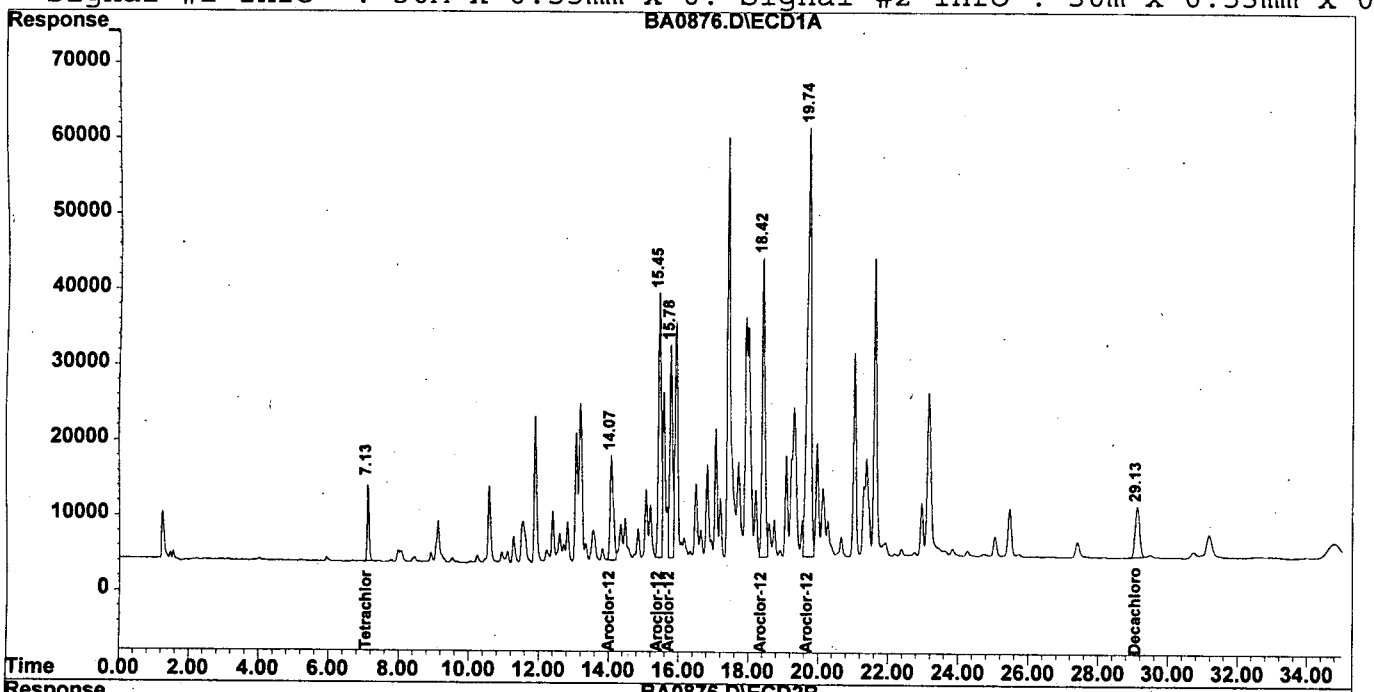
Quantitation Report

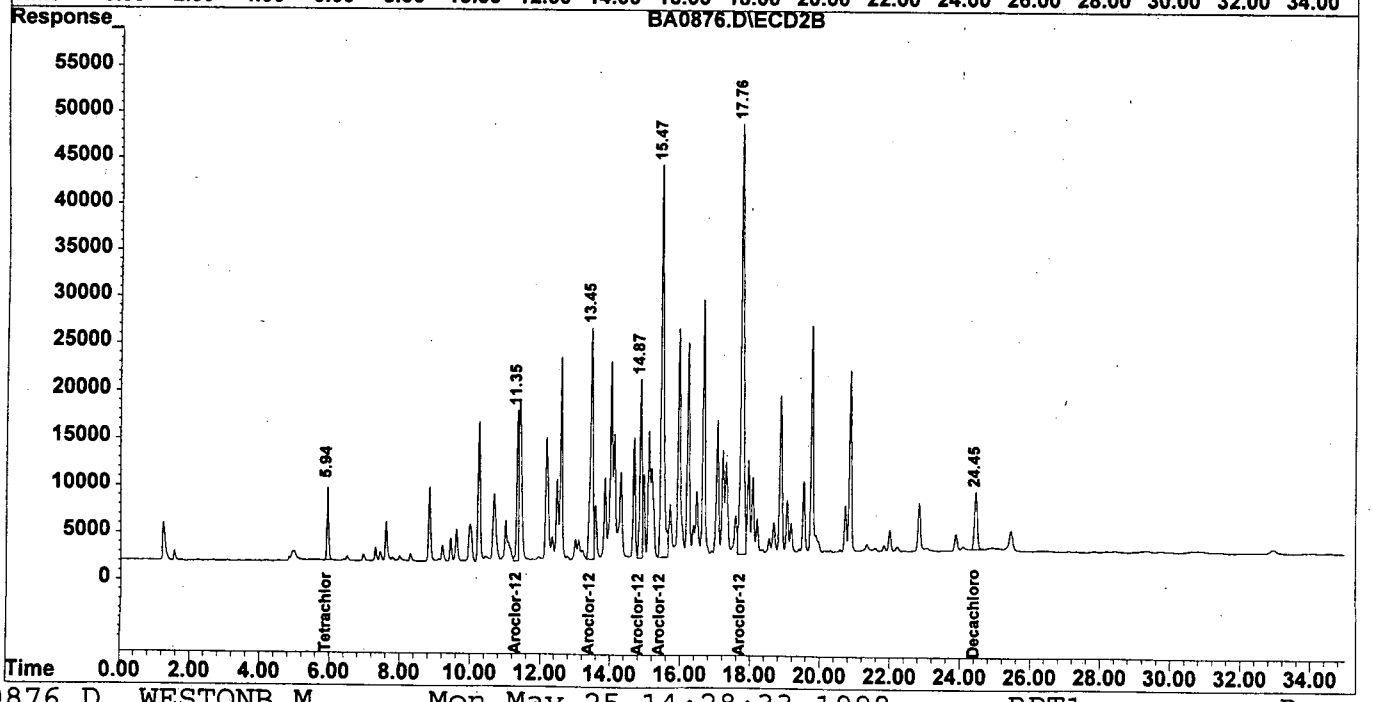
AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0876.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDA~1\BA0876.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:29 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





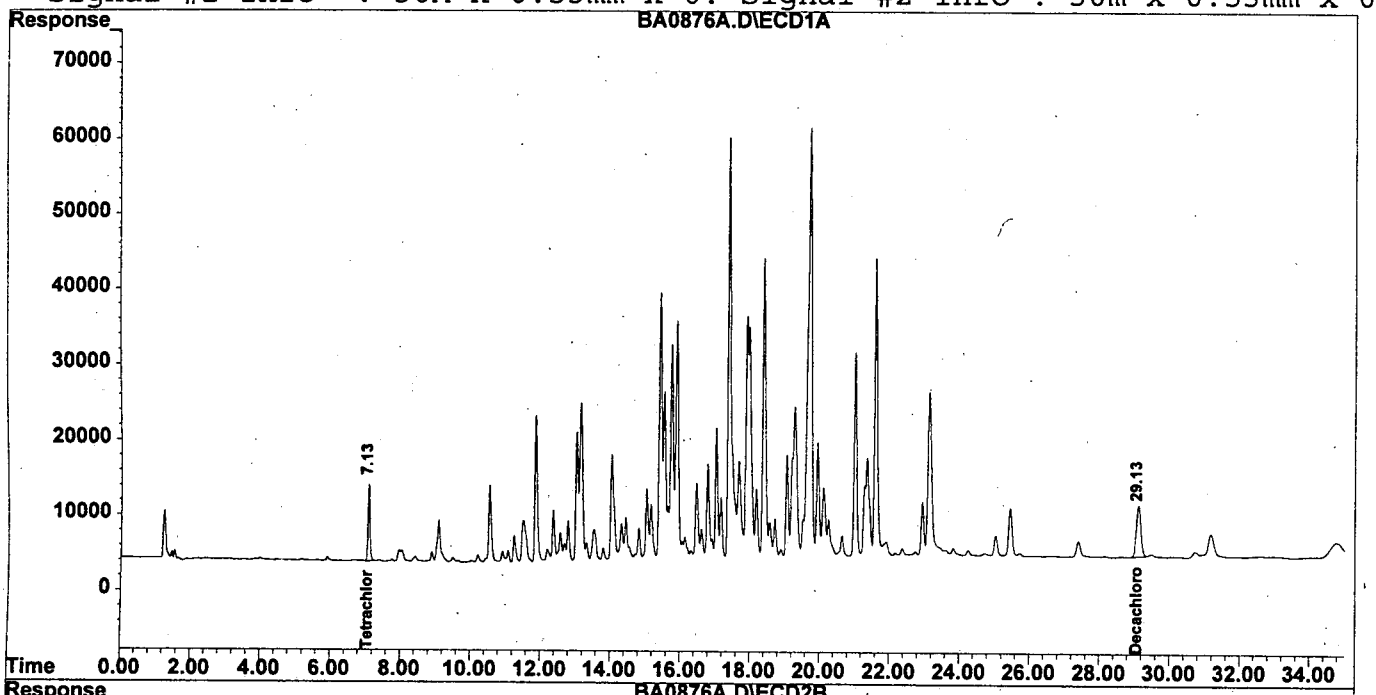
AMENDED REPORT MAY 30 1998

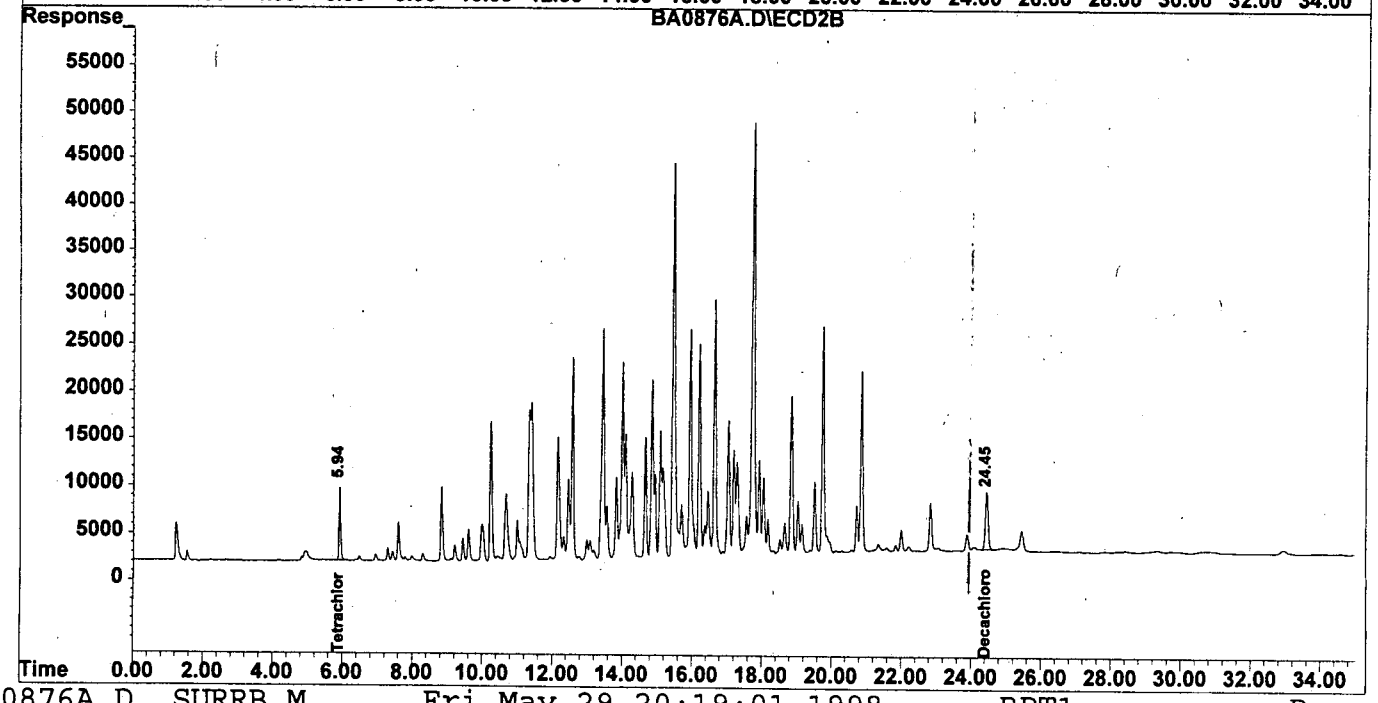
Quantitation Report

Signal #1 : E:\WESTDA~1\BA0876A.D\ECD1A.CH Vial: 25
Signal #2 : E:\WESTDA~1\BA0876A.D\ECD2B.CH
Acq On : 12 Dec 97 3:48 Operator:
Sample : 278220 SPIKE Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:28 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	401643	262173	44.336	40.477
Spiked Amount 40.000 Range 43 - 150 Recovery =					110.84%	101.19%
2) SA Decachlorobiphen	29.13	24.46	632661	378094	42.041	42.397
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.10%	105.99%
Target Compounds						
3) L1 Aroclor-1016{1}	9.14	8.85	410343	339180	1927.739	1165.498 #
4) L1 Aroclor-1016{2}	10.59	10.25	564055	688772	1196.348	1216.726
5) L1 Aroclor-1016{3}	11.90	10.69	1029148	484782	1251.191	1809.284 #
6) L1 Aroclor-1016{4}	12.40	~~12.17~~	342527	793224	1223.438	~~3092.017~~ #
7) L1 Aroclor-1016{5}	~~13.19~~	~~14.02~~	1439735	1078303	~~4409.199~~	~~7311.524~~ # m 3/13/12
Sum Aroclor-1016			3785809	3384261	~~10007.915~~	14595.049
Average Aroclor-1016					~~2001.583~~	~~2919.010~~
				Sum Avg	5598.716 1399.679	4181.022 1393.681
9) L2 Aroclor-1221{1}	0.00	6.97	0	31842	N.D.	329.562 #
10) L2 Aroclor-1221{2}	8.93	7.45	64451	44013	656.186	624.151
10) L2 Aroclor-1221{3}	9.14	7.62	410343	179650	1355.592	736.524 #
Sum Aroclor-1221			474794	255505	2011.777	1690.237
Average Aroclor-1221					1005.889	563.412
					no	no
11) L3 Aroclor-1232{1}	8.93	8.85	64451	339180	1125.932	2343.709 #
12) L3 Aroclor-1232{2}	9.14	10.00	410343	279830	2007.896	6698.422 #
13) L3 Aroclor-1232{3}	10.59	11.35	564055	616816	2598.775	7404.667 #
14) L3 Aroclor-1232{4}	11.90	13.10	1029148	108952	2931.771	1925.803 #
Sum Aroclor-1232			2067998	1344778	8664.373	18372.601
Average Aroclor-1232					2166.093	4593.150
					no	no
15) L4 Aroclor-1242{1}	9.14	8.85	410343	339180	2238.452	1357.340 #
16) L4 Aroclor-1242{2}	10.59	10.00	564055	279830	1538.269	3645.849 #
17) L4 Aroclor-1242{3}	11.29	11.01	188662	335795	1701.723	2081.732
18) L4 Aroclor-1242{4}	12.83	12.17	273914	793224	1590.158	3427.771 #
19) L4 Aroclor-1242{5}	14.08	14.30	1019298	628455	2804.969	7031.653 #
Sum Aroclor-1242			2456272	2376485	9873.572	17544.346
Average Aroclor-1242					1974.714	3508.869
					no	no

1092

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
20) L5	Aroclor-1248{1}	10.59	10.25	564055	688772	2907.566	1653.676	#
21) L5	Aroclor-1248{2}	11.90	12.17	1029148	793224	1839.497	2340.720	#
22) L5	Aroclor-1248{3}	13.19	12.47	1439735	409940	3483.357	1295.062	#
23) L5	Aroclor-1248{4}	14.08	13.46	1019298	1443136	2053.643	5363.244	#
24) L5	Aroclor-1248{5}	16.08	15.47	89065	2546697	236.238	20219.554	#
Sum	Aroclor-1248			4141302	5881768	10520.301	30872.256	
Average	Aroclor-1248					2104.060	6174.451	
25) L6	Aroclor-1254{1}	14.08	11.35	1019298	616816	7509.535	2797.764	#
26) L6	Aroclor-1254{2}	15.46	13.46	2189651	1443136	5939.161	3446.094	#
27) L6	Aroclor-1254{3}	15.78	14.87	1725967	942336	3745.226	6303.717	#
28) L6	Aroclor-1254{4}	18.42	15.47	2521085	2546697	6220.411	5240.876	
29) L6	Aroclor-1254{5}	19.74	17.76	5005736	2897793	5800.359	6376.654	
Sum	Aroclor-1254			12461736	8446778	29214.691	24165.105	
Average	Aroclor-1254					5842.938	4833.021	
30) L7	Aroclor-1260{1}	18.01	15.96	1925292	1365193	~~3699.341~~	~~4005.540~~	
31) L7	Aroclor-1260{2}	18.42	16.66	2521085	1372159	~~4095.680~~	3375.165	
32) L7	Aroclor-1260{3}	19.97	17.76	836642	2897793	1833.587	~~5618.693~~	#
33) L7	Aroclor-1260{4}	21.04	19.77	1513374	1108110	3247.987	1769.721	#
34) L7	Aroclor-1260{5}	21.62	20.88	2289571	907863	1776.068	1922.044	
Sum	Aroclor-1260			9085964	7651117	~~14652.663~~	~~16691.164~~	
Average	Aroclor-1260					~~2930.533~~	~~3338.233~~	
						Sum 6854.64	7066.93	
						Avg 2285.881	2355.643	

1093

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 28 1998

Signal #1 : E:\WESTDA~1\BA0877.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDA~1\BA0877.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:30 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.14	5.95	400959	254133	21.397	19.867
Spiked Amount 40.000 Range 43 - 150 Recovery =					53.49%	49.67%
2) SA Decachlorobiphen	29.13	24.46	632661	391013	28.688	42.094 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					71.72%	105.24%
Target Compounds						
3) L6 Aroclor-1254{1}	14.08	11.35	972868	609154	7169.870m	2741.668 #
4) L6 Aroclor-1254{2}	15.46	13.46	2148568	1429281	5601.329	3410.292 #
5) L6 Aroclor-1254{3}	15.78	14.87	1695620	927162	3221.386	6183.937 #
6) L6 Aroclor-1254{4}	18.42	15.47	2497610	2526215	5824.923	5079.454
7) L6 Aroclor-1254{5}	19.74	17.76	4989794	2884359	5745.738	6019.496
Sum Aroclor-1254			12304459	8376171	27563.245	23434.847
Average Aroclor-1254					5512.649	4686.969

1093A

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

AMENDED REPORT MAY 3 0 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : E:\WESTDA~1\BA0877A.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDA~1\BA0877A.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:28 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Initial Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	7.13	5.95	405486	254133	43.588m	42.056
Spiked Amount 40.000 Range 43 - 150 Recovery =					108.97%	105.14%
2) SA Decachlorobiphen	29.13	24.46	632661	391013	41.892	47.067
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.73%	117.67%

Target Compounds

1093B

2025/7/18

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

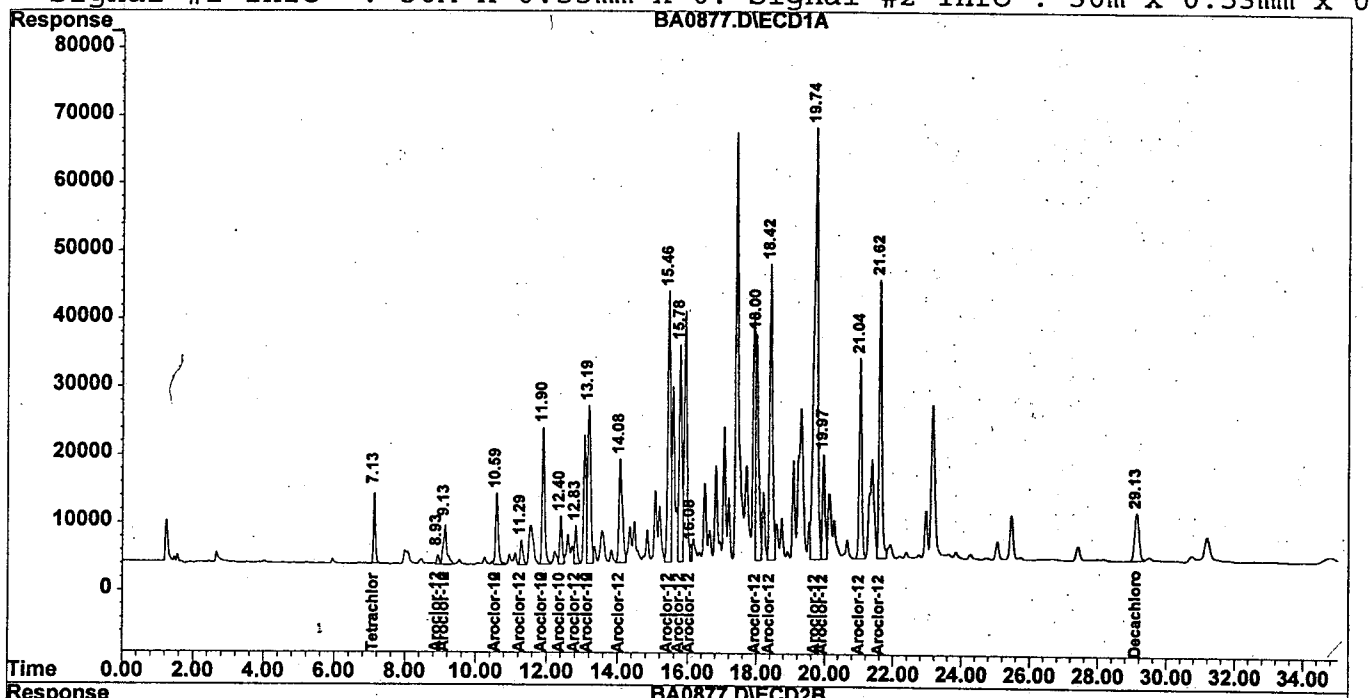
Quantitation Report

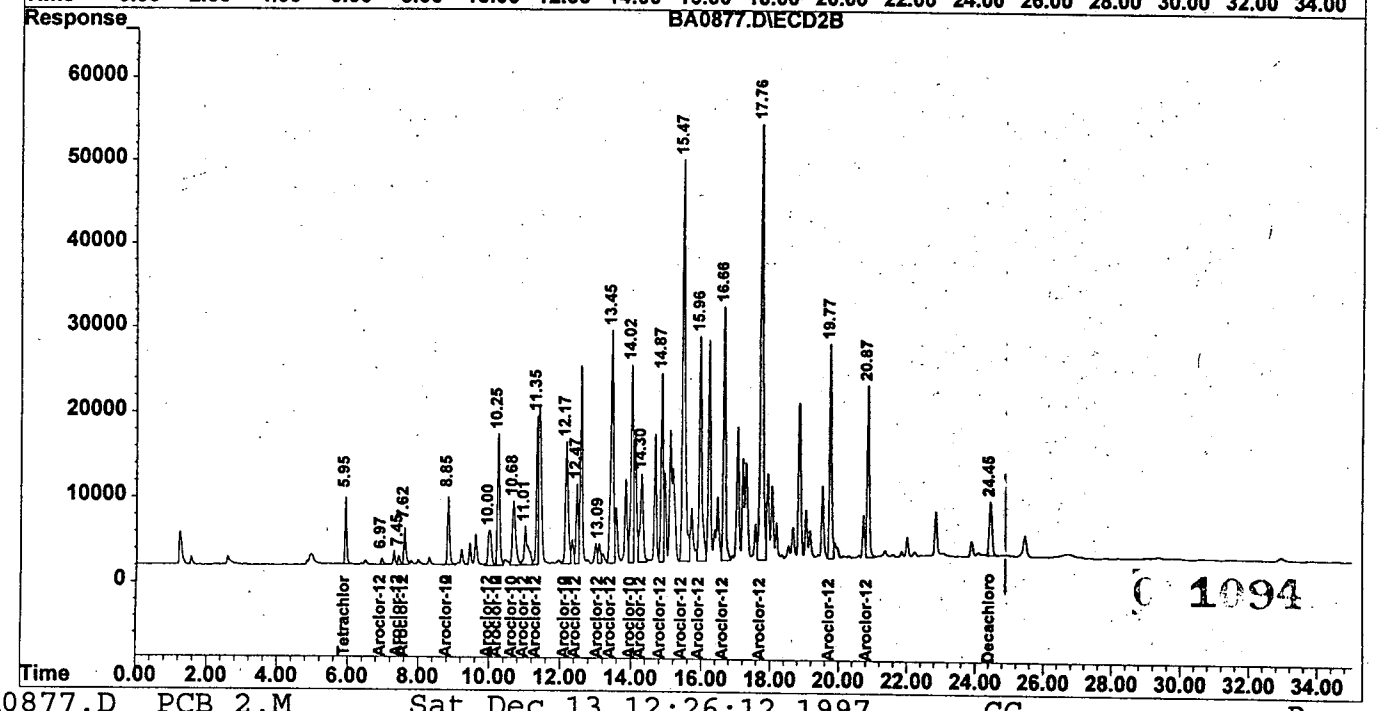
Signal #1 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_B\BA0877.D\ECD2B.CH
Acq On : 12 Dec 97 4:27
Sample : 278220 SPIKE DUP
Misc : QPC7395
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:38 1997 Quant Results File: PCB_2.RES

Vial: 26
Operator:
Inst : GC_5890_2
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\PCB_2.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Mon Dec 01 08:43:08 1997
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





C 1094

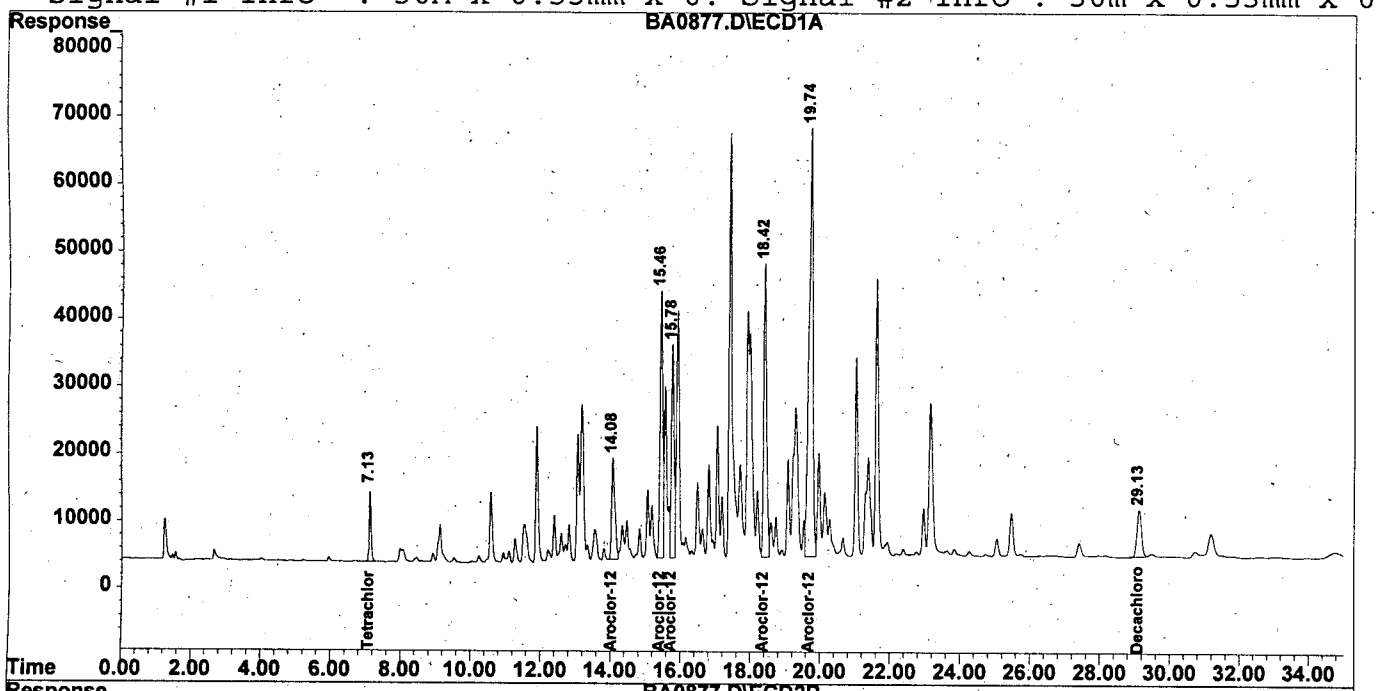
Quantitation Report

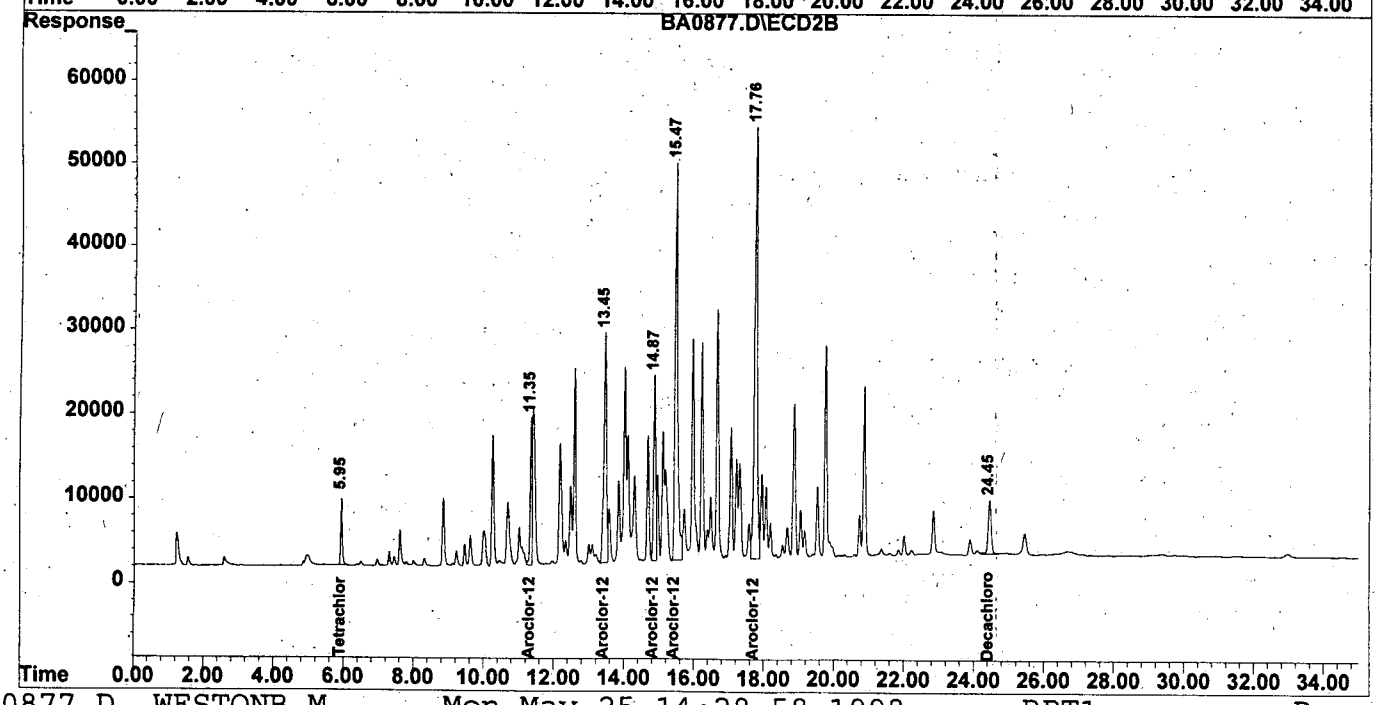
AMENDED REPORT MAY 2 8 1998

Signal #1 : E:\WESTDA~1\BA0877.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDA~1\BA0877.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 20 14:30 1998 Quant Results File: WESTONB.RES

Quant Method : D:\1\METHODS\WESTONB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Fri May 22 10:41:21 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm



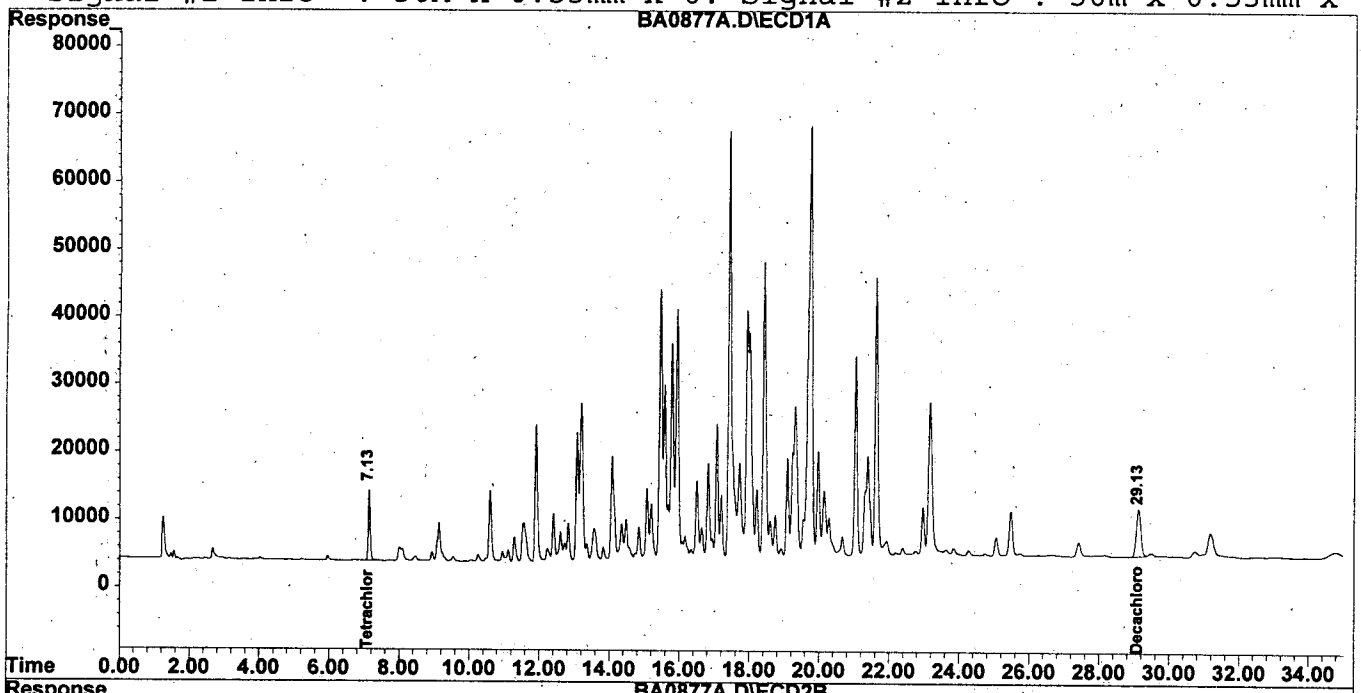


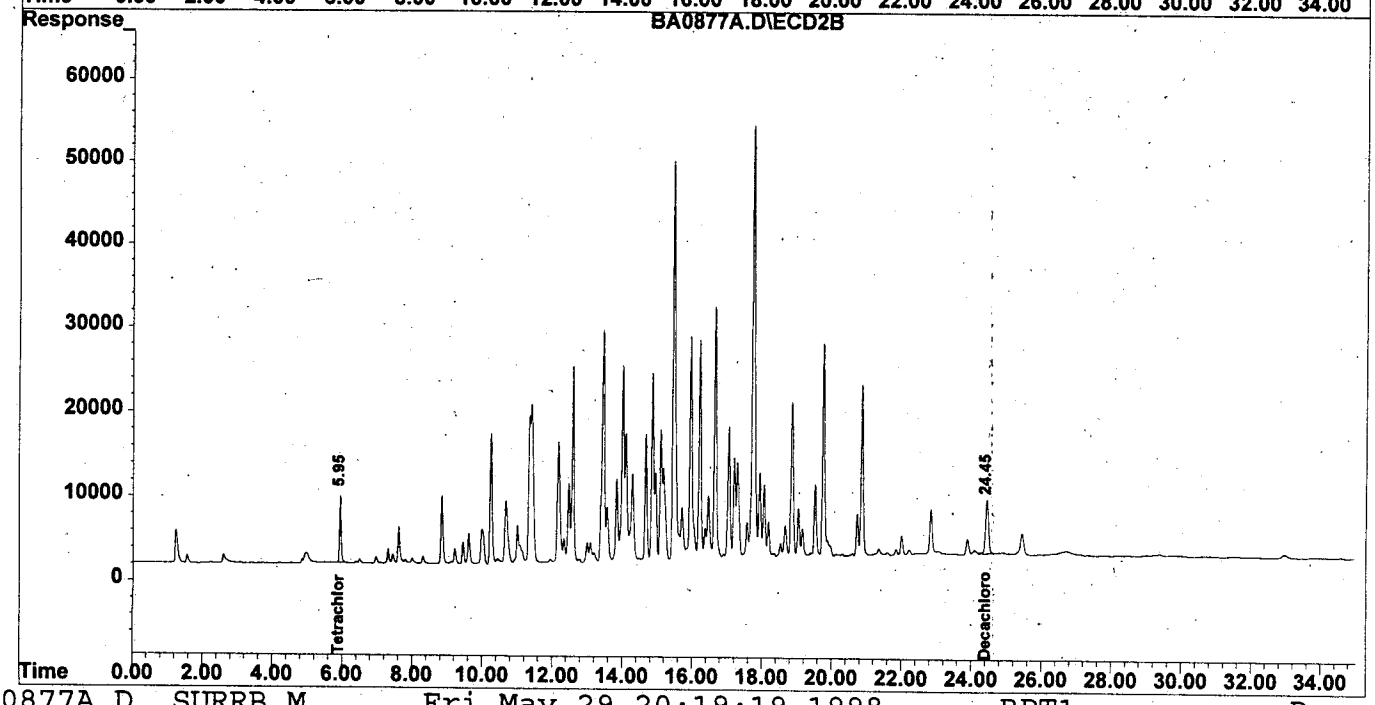
Quantitation Report AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDA~1\BA0877A.D\ECD1A.CH Vial: 26
Signal #2 : E:\WESTDA~1\BA0877A.D\ECD2B.CH
Acq On : 12 Dec 97 4:27 Operator:
Sample : 278220 SPIKE DUP Inst : GC_5890_2
Misc : QPC7395 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 29 19:28 1998 Quant Results File: SURRB.RES

Quant Method : H:\1\METHODS\SURRB.M (Chemstation Integrator)
Title : PESTICIDES and PCBs by METHOD 8080 and 608.
Last Update : Wed May 27 11:33:23 1998
Response via : Multiple Level Calibration
DataAcq Meth : 8080_2.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M x 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.5µm





1094B

AMENDED REPORT MAY 30 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
SPIKED SAMPLE: 278233
METHOD: 8080
MATRIX: SOIL
MOISTURE: 31.52%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
			664	136	656	134		
Aroclor-1016	490	U	~~860~~	~~176~~	~~860~~	~~176~~	25	~~0~~ 0.1
Aroclor-1260	490	U	~~2120~~	~~433~~ *	~~2120~~	~~433~~ *	25	~~0~~ 0.6
			1340	274	1309	267		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278233, 278234, 278235, 278236, 278237

QPC7396B.XLS

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	644191	877140	46.824	44.103	
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.06%	110.26%	
2) SA Decachlorobiphen	25.89	21.44	1119346	1117772	48.109	51.440	
Spiked Amount 40.000 Range 24 - 154 Recovery =					120.27%	128.60%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	6.51	745644	477215	2240.516	1040.044	#
4) L1 Aroclor-1016{2}	9.36	7.59	954699	1031790	1408.156	1184.780	
5) L1 Aroclor-1016{3}	10.55	8.85	1699357	2254243	1330.728	1214.687	
6) L1 Aroclor-1016{4}	11.01	9.23	538396	1616557	1217.506	1916.642	#
7) L1 Aroclor-1016{5}	12.55	10.55	2041868	2795085	~~3127.798~~	~~3317.843~~	
Sum Aroclor-1016			5979964	8174889	~~9324.704~~	~~8673.996~~	
Average Aroclor-1016					~~1864.941~~	~~1734.799~~	
				Sum	6169.96	5355.931	
				Avg	1549.24	1338.985	
8) L2 Aroclor-1221{1}	5.20	5.95	88043	119068	679.014	436.022	#
9) L2 Aroclor-1221{2}	7.43	6.36	68047	126800	717.116	732.337	
10) L2 Aroclor-1221{3}	7.85	6.51	95782	477215	695.507	745.102	
11) L2 Aroclor-1221{4}	8.00	8.85	745644	2254243	1828.048	1641.2.652	#
Sum Aroclor-1221			997516	2977327	3919.684	1832.6.113	
Average Aroclor-1221					979.921	4581.528	
					no	no	
12) L3 Aroclor-1232{1}	8.00	6.51	745644	477215	2573.016	1154.686	#
13) L3 Aroclor-1232{2}	9.36	7.59	954699	1031790	3074.221	2810.914	
14) L3 Aroclor-1232{3}	10.55	8.85	1699357	2254243	3341.465	2996.065	
15) L3 Aroclor-1232{4}	12.55	9.23	2041868	1616557	6473.895	4791.768	#
16) L3 Aroclor-1232{5}	13.47	10.55	1550826	2795085	6836.648	7332.097	
Sum Aroclor-1232			6992394	8174889	22299.245	19085.531	
Average Aroclor-1232					4459.849	3817.106	
					no	no	
17) L4 Aroclor-1242{1}	8.00	6.51	745644	477215	2861.043	1308.568	#
18) L4 Aroclor-1242{2}	9.36	7.59	954699	1031790	1775.866	1590.086	
19) L4 Aroclor-1242{3}	10.55	8.85	1699357	2254243	1748.264	1616.194	
20) L4 Aroclor-1242{4}	11.01	9.23	538396	1616557	1622.879	2641.829	#
21) L4 Aroclor-1242{5}	12.55	10.55	2041868	2795085	3664.061	4225.624	
Sum Aroclor-1242			5979964	8174889	11672.114	11382.301	
Average Aroclor-1242					2334.423	2276.460	
					no	no	

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

ICM Laboratories Quantitation Report AMENDED REPORT (QT Reviewed) JUN 0 4 1998

Signal #1 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.36	7.59	954699	1031790	3320.560	2898.543
23) L5	Aroclor-1248{2}	10.55	8.85	1699357	2254243	2025.793	1859.139
24) L5	Aroclor-1248{3}	12.55	10.55	2041868	2795085	2684.764	2974.715
25) L5	Aroclor-1248{4}	13.47	10.83	1550826	1792888	2183.380	2067.060
26) L5	Aroclor-1248{5}	15.63	13.53	11716585	13204537	35295.027	37309.044
Sum	Aroclor-1248			17963336	21078542	45509.524	47108.501
Average	Aroclor-1248					9101.905	9421.700
						NP	NP
27) L6	Aroclor-1254{1}	11.62	9.87	1870749	6580957	5000.330	10676.700 #
28) L6	Aroclor-1254{2}	13.81	11.71	6256733	7334240	10543.739	5937.784 #
29) L6	Aroclor-1254{3}	15.63	12.23	11716585	5711175	9017.361	5779.240 #
30) L6	Aroclor-1254{4}	16.55	13.53	7479162	13204537	11975.479	9430.398
31) L6	Aroclor-1254{5}	17.76	15.61	14175074	16423846	11687.028	11956.054
Sum	Aroclor-1254			41498303	49254755	48223.936	43780.176
Average	Aroclor-1254					9644.787	8756.035
32) L7	Aroclor-1260{1}	16.15	13.98	3806840	7279691	3918.451m	~~6635.246~~ #
33) L7	Aroclor-1260{2}	16.55	14.62	7479162	8548625	~~6344.195~~	5871.668
34) L7	Aroclor-1260{3}	18.96	15.61	4328118	16423846	~~5216.866~~	~~8654.048~~ #
35) L7	Aroclor-1260{4}	19.50	17.44	5492336	6049476	2865.647	2712.998
36) L7	Aroclor-1260{5}	20.83	18.44	3986606	4156866	2551.209	2552.092
Sum	Aroclor-1260			25093063	42458504	~~20896.367~~	~~26426.052~~
Average	Aroclor-1260					~~4179.273~~	~~5285.210~~
						Sum 9335.307	11136.758
						Avg 3111.769	37 R.253

1097

7PS 1443 /R

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

ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDATA\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:52 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	644191	958729	45.292	44.278
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.23%	110.70%
2) SA Decachlorobiphen	25.89	21.44	1107509	1621984	47.088	71.097 #
Spiked Amount 40.000 Range 24 - 154 Recovery =					117.72%	177.74%#
Target Compounds						
3) L1 Aroclor-1016{1}	8.00	6.51	745644	510527	2268.164	1108.757 #
4) L1 Aroclor-1016{2}	9.36	7.59	956843	1061304	1410.453	1214.778
5) L1 Aroclor-1016{3}	10.55	8.85	1706172	2255548	1333.459	1211.676
6) L1 Aroclor-1016{4}	11.01	9.23	544883	1628221	1228.585	1924.575 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.55~~	2074177	2827121	~~3165.248~~	~~3345.610~~
Sum Aroclor-1016			6027718	8282720	9405.909	8805.395
Average Aroclor-1016					~~1881.182~~ 1560.17	~~1761.079~~ 1364.95
8) L7 Aroclor-1260{1}	16.15	13.98	4512670	7403330	4617.573m	6723.395 #
9) L7 Aroclor-1260{2}	16.55	14.62	7554751	8672870	6359.821	5912.741
10) L7 Aroclor-1260{3}	18.96	15.61	4492344	16569716	5368.571	8654.954 #
11) L7 Aroclor-1260{4}	19.50	17.44	5618693	6329033	2874.078	2818.805
12) L7 Aroclor-1260{5}	20.83	18.44	4166479	4407768	2576.486	2689.178
Sum Aroclor-1260			26344937	43382718	21796.529	26799.073
Average Aroclor-1260					~~4359.306~~ 2725.28	~~5359.815~~ 2753.99

2-3 5/18/98

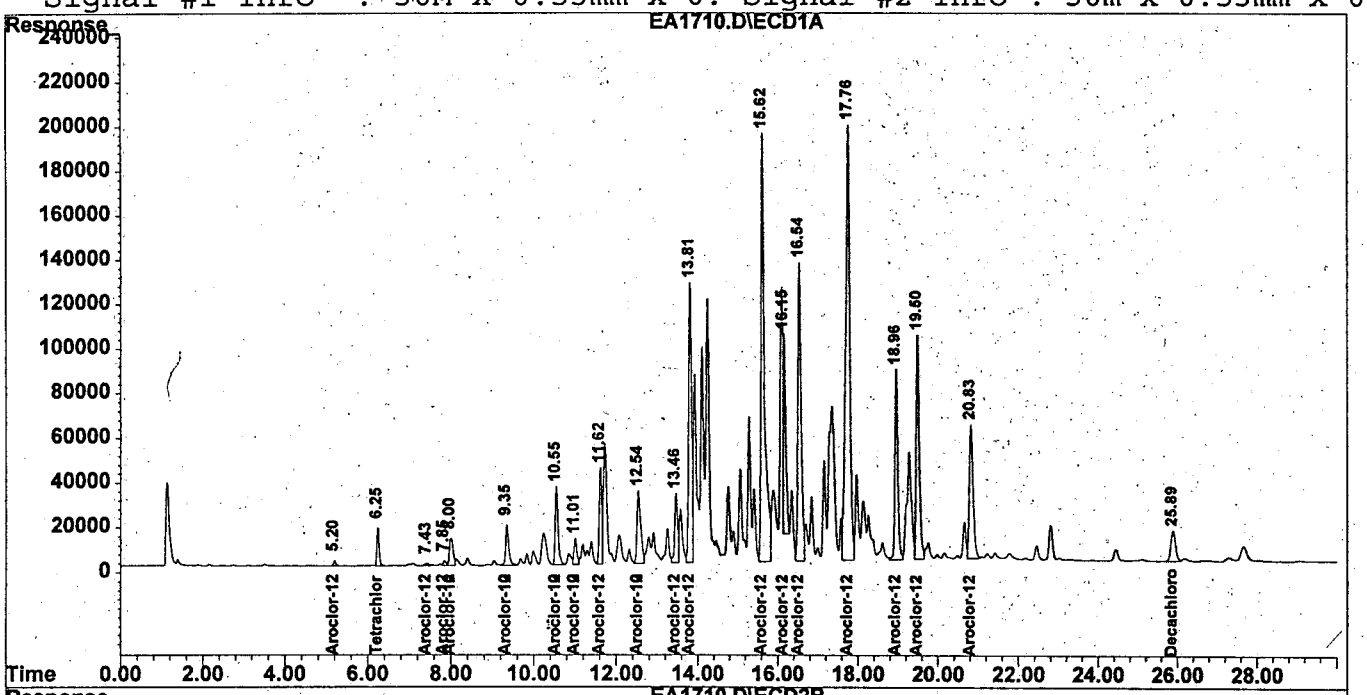
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

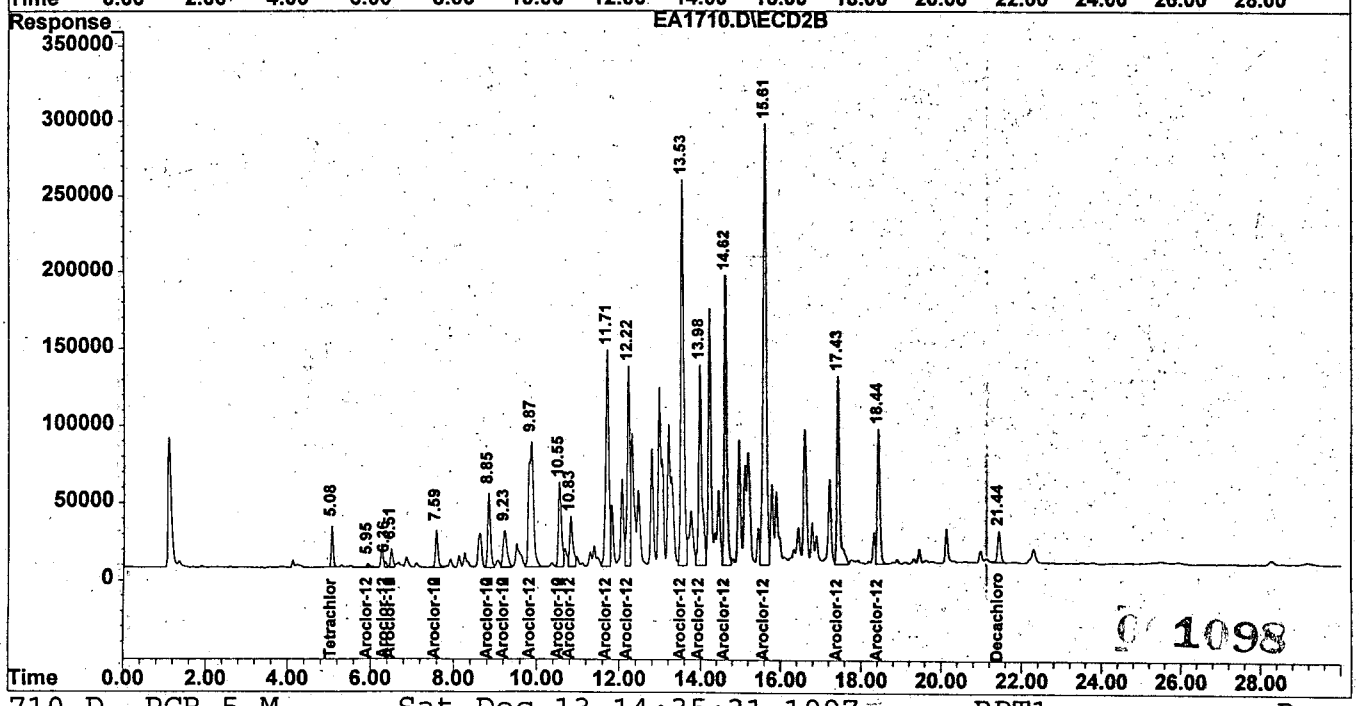
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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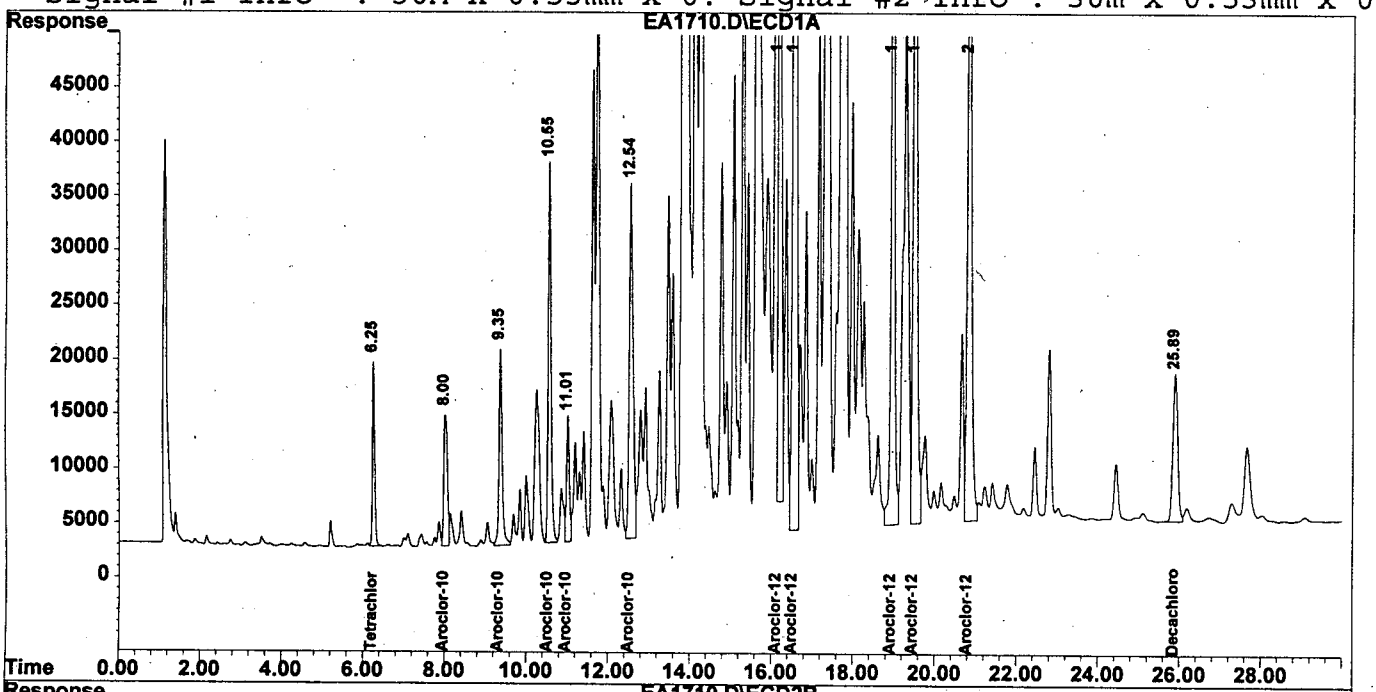
Quantitation Report

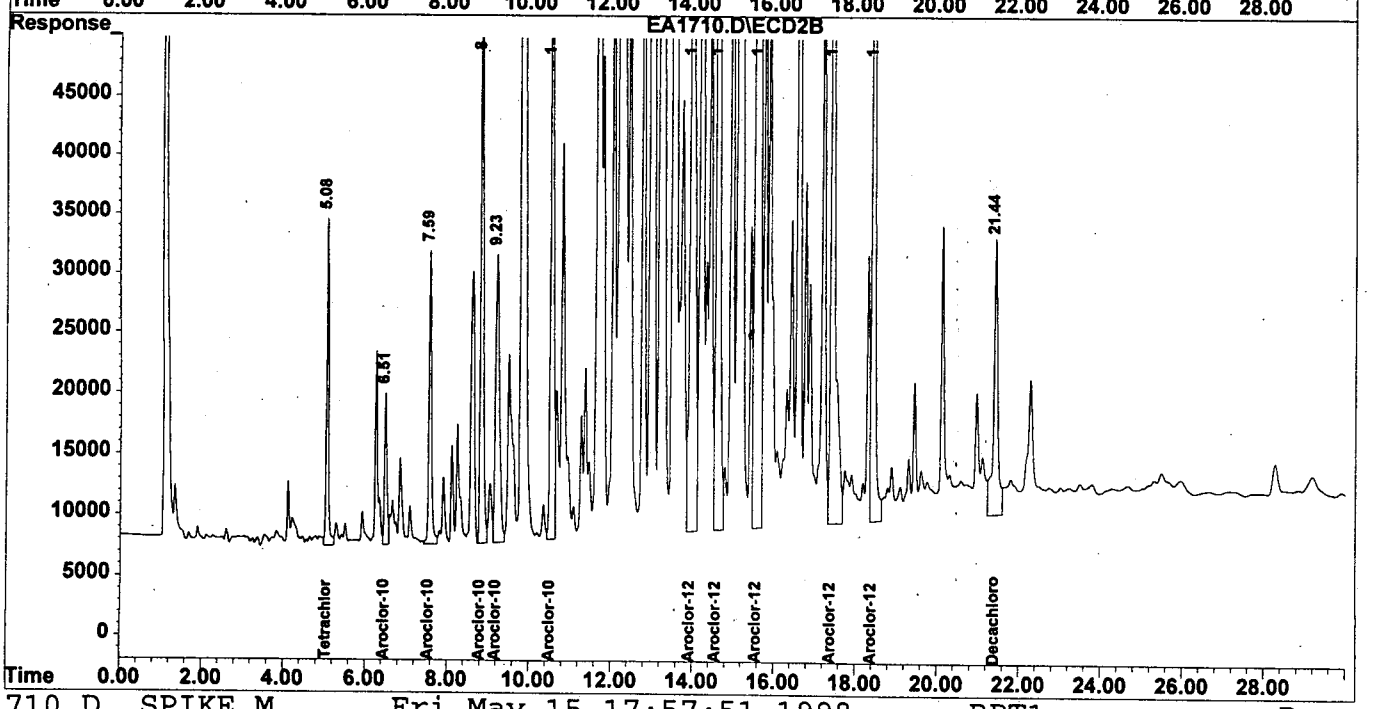
AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : E:\WESTDATA\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:52 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1098A

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	624338	805874	45.381	40.520	
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.45%	101.30%	
2) SA Decachlorobiphen	25.90	21.44	1130509	1166763	48.588	53.694	
Spiked Amount 40.000 Range 24 - 154 Recovery =					121.47%	134.24%	
Target Compounds							
3) L1 Aroclor-1016{1}	8.00	6.51	759478	440378	2282.086	959.762	#
4) L1 Aroclor-1016{2}	9.36	7.59	1002975	1071436	1479.363	1230.305	
5) L1 Aroclor-1016{3}	10.56	8.85	1636187	2142046	1281.261	1154.230	
6) L1 Aroclor-1016{4}	11.01	9.23	510510	1640873	1154.447	1945.473	#
7) L1 Aroclor-1016{5}	12.55	10.55	2188052	2973762	~~3351.726~~	~~3529.938~~	
Sum Aroclor-1016			6097203	8268496	~~9548.883~~	~~8819.708~~	
Average Aroclor-1016					~~1909.777~~	~~1763.942~~	
					Sum 6197.157	5289.77	
					Avg 1549.289	1322.443	
8) L2 Aroclor-1221{1}	5.20	5.95	94701	114971	730.358	421.018	#
9) L2 Aroclor-1221{2}	7.43	6.36	78355	122306	825.739	706.379	
10) L2 Aroclor-1221{3}	7.85	6.51	101004	440378	733.424	687.587	
11) L2 Aroclor-1221{4}	8.00	8.85	759478	2142046	1861.965	15595.771	#
Sum Aroclor-1221			1033538	2819701	4151.486	17410.755	
Average Aroclor-1221					1037.872	4352.689	
12) L3 Aroclor-1232{1}	8.00	6.51	759478	440378	2620.756	1065.554	#
13) L3 Aroclor-1232{2}	9.36	7.59	1002975	1071436	3229.676	2918.923	
14) L3 Aroclor-1232{3}	10.56	8.85	1636187	2142046	3217.253	2846.947	
15) L3 Aroclor-1232{4}	12.55	9.23	2188052	1640873	6937.380	4863.847	#
16) L3 Aroclor-1232{5}	13.47	10.55	1752905	2973762	7727.492	7800.807	
Sum Aroclor-1232			7339597	8268496	23732.557	19496.077	
Average Aroclor-1232					4746.511	3899.215	
17) L4 Aroclor-1242{1}	8.00	6.51	759478	440378	2914.127	1207.558	#
18) L4 Aroclor-1242{2}	9.36	7.59	1002975	1071436	1865.667	1651.185	
19) L4 Aroclor-1242{3}	10.56	8.85	1636187	2142046	1683.276	1535.753	
20) L4 Aroclor-1242{4}	11.01	9.23	510510	1640873	1538.824	2681.569	#
21) L4 Aroclor-1242{5}	12.55	10.55	2188052	2973762	3926.381	4495.750	
Sum Aroclor-1242			6097203	8268496	11928.276	11571.815	
Average Aroclor-1242					2385.655	2314.363	

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

AMENDED REPORT JUN 0 4 1998

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.36	7.59	1002975	1071436	3488.473	3009.919
23) L5	Aroclor-1248{2}	10.56	8.85	1636187	2142046	1950.489	1766.607
24) L5	Aroclor-1248{3}	12.55	10.55	2188052	2973762	2876.974	3164.875
25) L5	Aroclor-1248{4}	13.47	10.83	1752905	1862469	2467.884	2147.281
26) L5	Aroclor-1248{5}	15.63	13.53	12947284	14463833	39002.381	40867.150
Sum	Aroclor-1248			19527403	22513546	49786.200	50955.832
Average	Aroclor-1248					9957.240	10191.166
27) L6	Aroclor-1254{1}	11.62	9.88	2018190	7063296	5394.426	11459.230 #
28) L6	Aroclor-1254{2}	13.82	11.71	7060303	8024147	11897.901	6496.331 #
29) L6	Aroclor-1254{3}	15.63	12.23	12947284	6202509	9964.535	6276.430 #
30) L6	Aroclor-1254{4}	16.55	13.53	8186817	14463833	13108.561	10329.760
31) L6	Aroclor-1254{5}	17.77	15.61	16237241	17707390	13387.237	12890.435
Sum	Aroclor-1254			46449834	53461175	53752.661	47452.185
Average	Aroclor-1254					10750.532	9490.437
32) L7	Aroclor-1260{1}	16.15	13.98	4347486	7778624	4474.947m	~~7090.010~~ #
33) L7	Aroclor-1260{2}	16.55	14.62	8186817	9007638	~~6944.463~~	6186.943
34) L7	Aroclor-1260{3}	18.96	15.61	4831220	17707390	~~5823.276~~	~~9330.373~~ #
35) L7	Aroclor-1260{4}	19.50	17.44	5793779	5406855	3022.925	2424.802
36) L7	Aroclor-1260{5}	20.83	18.44	4309529	4246457	2757.862	2607.096
Sum	Aroclor-1260			27468831	44146963	~~23023.474~~	~~27639.224~~
Average	Aroclor-1260					~~4604.695~~	~~5527.845~~
						Sum 10255.734	12123.871
						Avg 3418.578	3739.614

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12/18/97

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

ICM Laboratories Quantitation Report (QT Reviewed) AMENDED REPORT MAY 30 1998

Signal #1 : E:\WESTDATA\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDATA\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:53 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	624338	903351	43.896	41.721
Spiked Amount 40.000 Range 43 - 150 Recovery =					109.74%	104.30%
2) SA Decachlorobiphen	25.90	21.44	1116134	1135779	47.455	49.785m
Spiked Amount 40.000 Range 24 - 154 Recovery =					118.64%	124.46%
Target Compounds						
3) L1 Aroclor-1016{1}	8.00	6.51	759478	475878	2310.248	1033.507 #
4) L1 Aroclor-1016{2}	9.36	7.59	1002975	1093146	1478.455	1251.225
5) L1 Aroclor-1016{3}	10.56	8.85	1636187	2144240	1278.762	1151.881
6) L1 Aroclor-1016{4}	11.01	9.23	510510	1655512	1151.083	1956.833 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.55~~	2188052	3018375	~~3339.024~~	~~3571.940~~
Sum Aroclor-1016			6097203	8387152	9557.573	8965.387
Average Aroclor-1016					~~1911.515~~ 1554.64	~~1793.077~~ 1278.36
8) L7 Aroclor-1260{1}	16.13	13.98	5702432	8021256	5834.992m	7284.569
9) L7 Aroclor-1260{2}	16.55	14.62	8186817	9255047	6891.914	6309.641
10) L7 Aroclor-1260{3}	18.96	15.61	4831220	18005915	5773.545	9405.132 #
11) L7 Aroclor-1260{4}	19.50	17.44	5793779	5716504	2963.638	2545.999
12) L7 Aroclor-1260{5}	20.83	18.44	4309529	4644348	2664.946	2833.516
Sum Aroclor-1260			28823777	45643070	24129.035	28378.856
Average Aroclor-1260					~~4825.807~~ 2814.29	~~5675.771~~ 2689.75

5/18/98

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

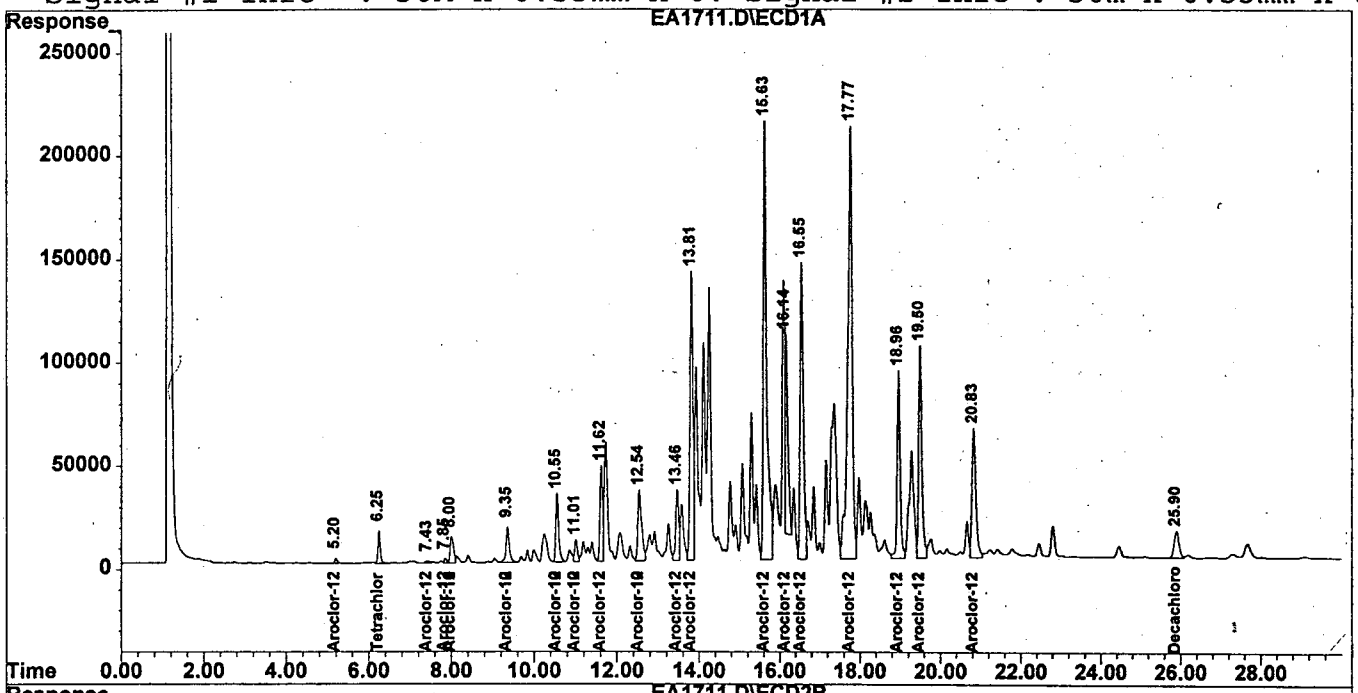
1100A

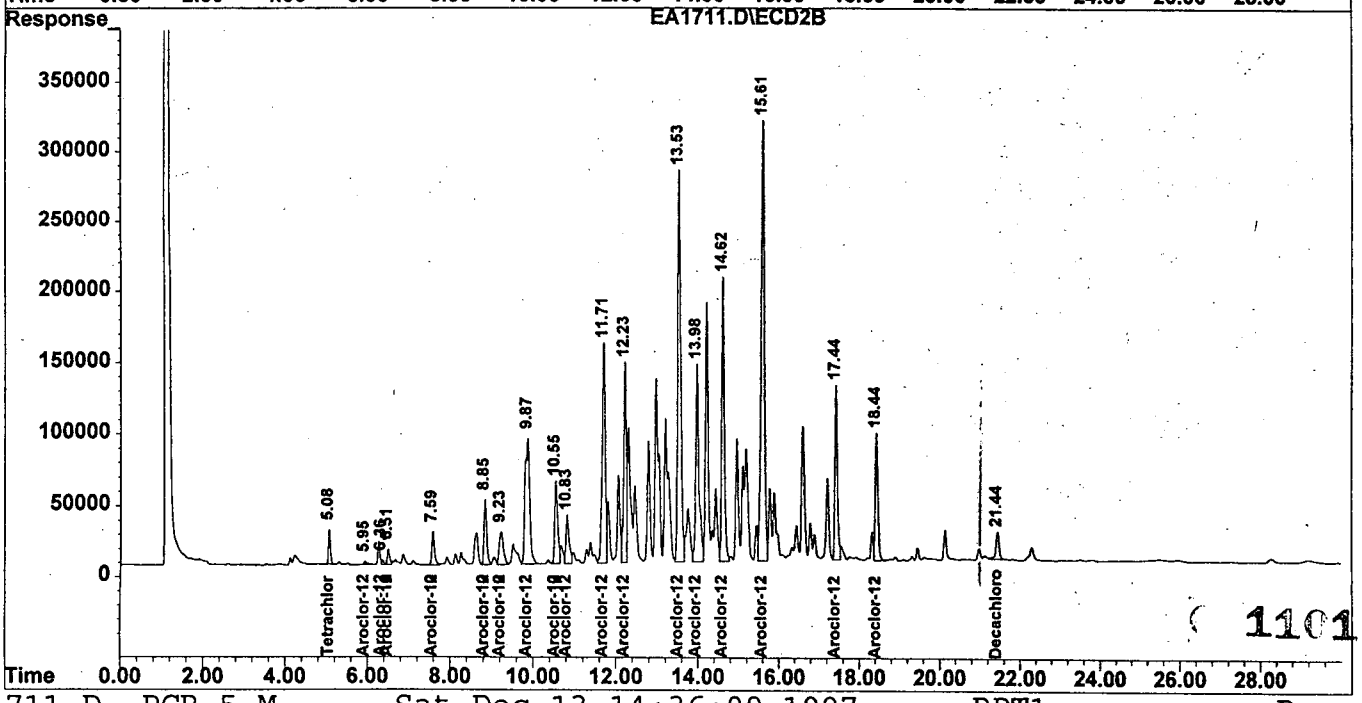
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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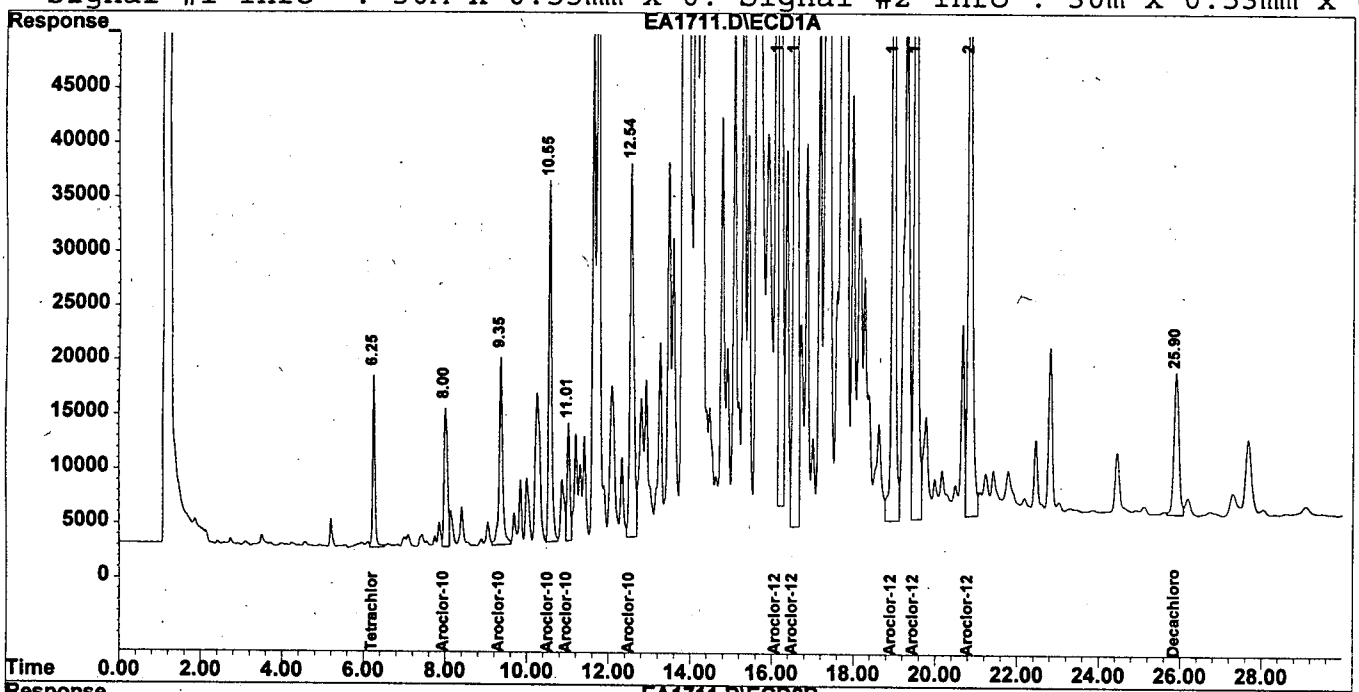
Quantitation Report

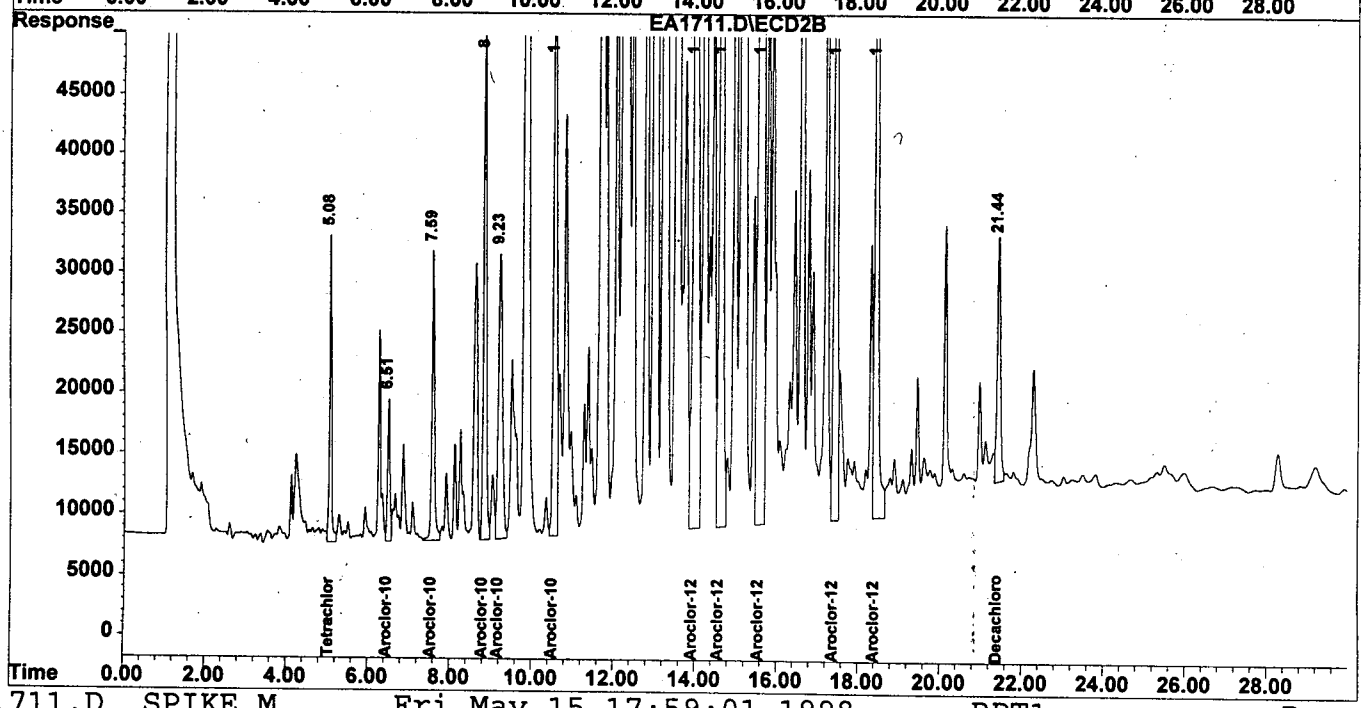
AMENDED REPORT MAY 3 0 1998

Signal #1 : E:\WESTDATA\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : E:\WESTDATA\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:53 1998 Quant Results File: SPIKE.RES

Quant Method : H:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





1101A

AMENDED REPORT MAY 30 1998

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7403
SPIKED SAMPLE: BLANK
METHOD: 8080
MATRIX: AQUEOUS
MOISTURE: 0.00%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	1000	1000	1000
FINAL VOL:	10	10	10
UNITS:	µg/L		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	10	U	11	112	11	107	25	5
Aroclor-1260	10	U	12	118	11	114	25	3

QC Limits:

Compound	Percent Recovery Limits
Aroclor-1016	45 - 202
Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278238

QPC7403B.XLS

ICM Laboratories Quantitation Report (QT Reviewed)
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1771.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\WESTDA~1\EA1771.D\ECD2B.CH
Acq On : 14 Dec 97 3:01 Operator:
Sample : BLANK SPIKE Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:59 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	668724	954719	47.017	44.093
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.54%	110.23%
2) SA Decachlorobiphen	25.90	21.45	983944	905084	41.835	39.673
Spiked Amount 40.000 Range 24 - 154 Recovery =					104.59%	99.18%
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	6.51	359702	505938	1094.173	1098.792
4) L1 Aroclor-1016{2}	9.36	7.59	756182	976158	1114.664	1117.319
5) L1 Aroclor-1016{3}	10.56	8.85	1429353	2094723	1117.111	1125.281
6) L1 Aroclor-1016{4}	11.01	9.24	519263	971939	1170.818	1148.842
7) L1 Aroclor-1016{5}	12.55	10.56	725568	919366	1107.236	1087.976
Sum Aroclor-1016			3790067	5468124	5604.002	5578.211
Average Aroclor-1016					1120.800	1115.642
8) L7 Aroclor-1260{1}	16.17	13.99	1153992	1337000	1180.818	1214.207m
9) L7 Aroclor-1260{2}	16.55	14.63	1407682	1833668	1185.030m	1250.106m
10) L7 Aroclor-1260{3}	18.96	15.62	988710	2199606	1181.557m	1148.933
11) L7 Aroclor-1260{4}	19.50	17.44	2409832	2748823	1232.679m	1224.262
12) L7 Aroclor-1260{5}	20.84	18.45	1791791	1871641	1108.015	1141.888
Sum Aroclor-1260			7752006	9990738	5888.099	5979.396
Average Aroclor-1260					1177.620	1195.879

1103

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

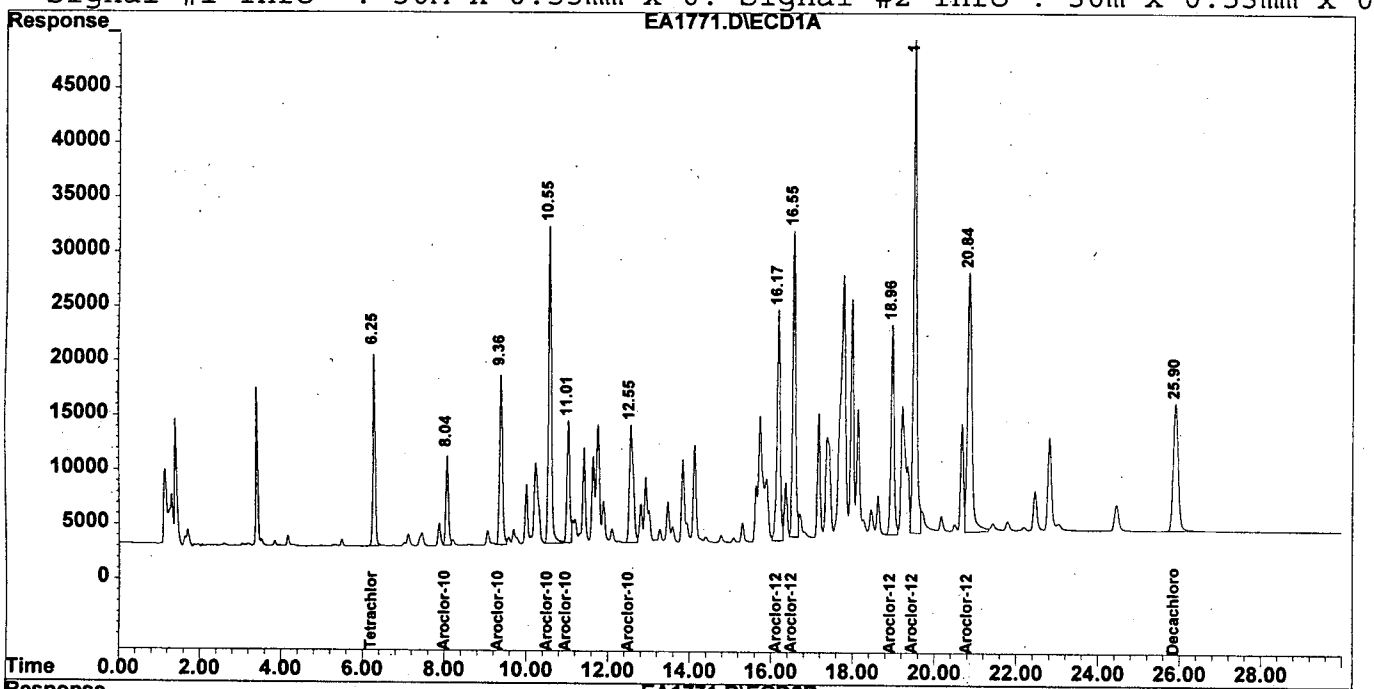
Quantitation Report

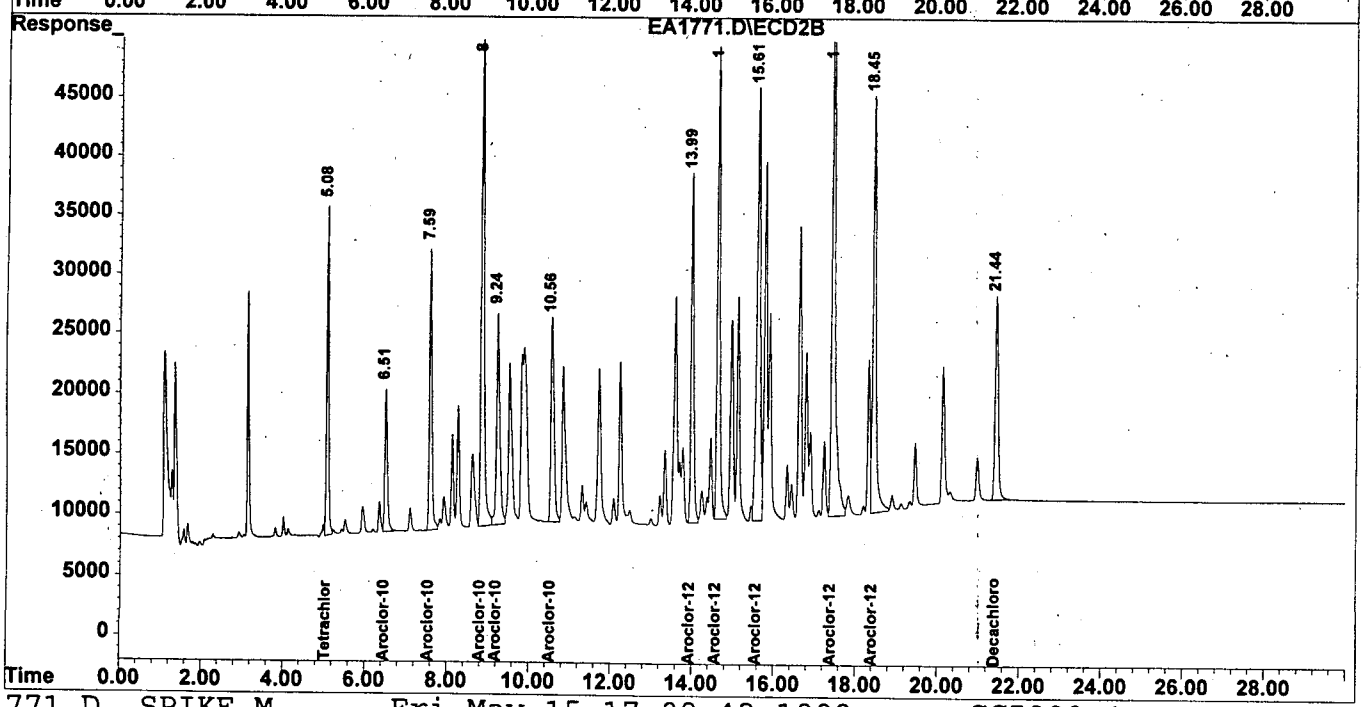
AMENDED REPORT MAY 30 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1771.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\WESTDA~1\EA1771.D\ECD2B.CH
Acq On : 14 Dec 97 3:01 Operator:
Sample : BLANK SPIKE Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 16:59 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





ICM Laboratories Quantitation Report (QT Reviewed)

AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1772.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\WESTDA~1\EA1772.D\ECD2B.CH
Acq On : 14 Dec 97 3:35 Operator:
Sample : BLANK SPIKE DUP Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:01 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	635209	924520	44.660	42.698
Spiked Amount 40.000 Range 43 - 150 Recovery =					111.65%	106.75%
2) SA Decachlorobiphen	25.90	21.44	960789	868991	40.850	38.091
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.13%	95.23%
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	6.51	345415	481995	1050.713	1046.792
4) L1 Aroclor-1016{2}	9.36	7.59	731250	936089	1077.913	1071.456
5) L1 Aroclor-1016{3}	10.56	8.85	1368264	2011241	1069.367	1080.434
6) L1 Aroclor-1016{4}	11.01	9.24	498616	950167	1124.263	1123.107
7) L1 Aroclor-1016{5}	12.55	10.56	695822	881701	1061.842	1043.404
Sum Aroclor-1016			3639366	5261193	5384.098	5365.193
Average Aroclor-1016					1076.820	1073.039
8) L7 Aroclor-1260{1}	16.17	13.99	1115208	1300042	1141.132	1180.644
9) L7 Aroclor-1260{2}	16.55	14.63	1385351	1818402	1166.231	1239.698
10) L7 Aroclor-1260{3}	18.96	15.61	971982	2109017	1161.566	1101.615
11) L7 Aroclor-1260{4}	19.50	17.44	2318876	2622625	1186.153m	1168.056
12) L7 Aroclor-1260{5}	20.84	18.45	1716783	1784112	1061.632	1088.486
Sum Aroclor-1260			7508199	9634198	5716.713	5778.500
Average Aroclor-1260					1143.343	1155.700

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5/30/98

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

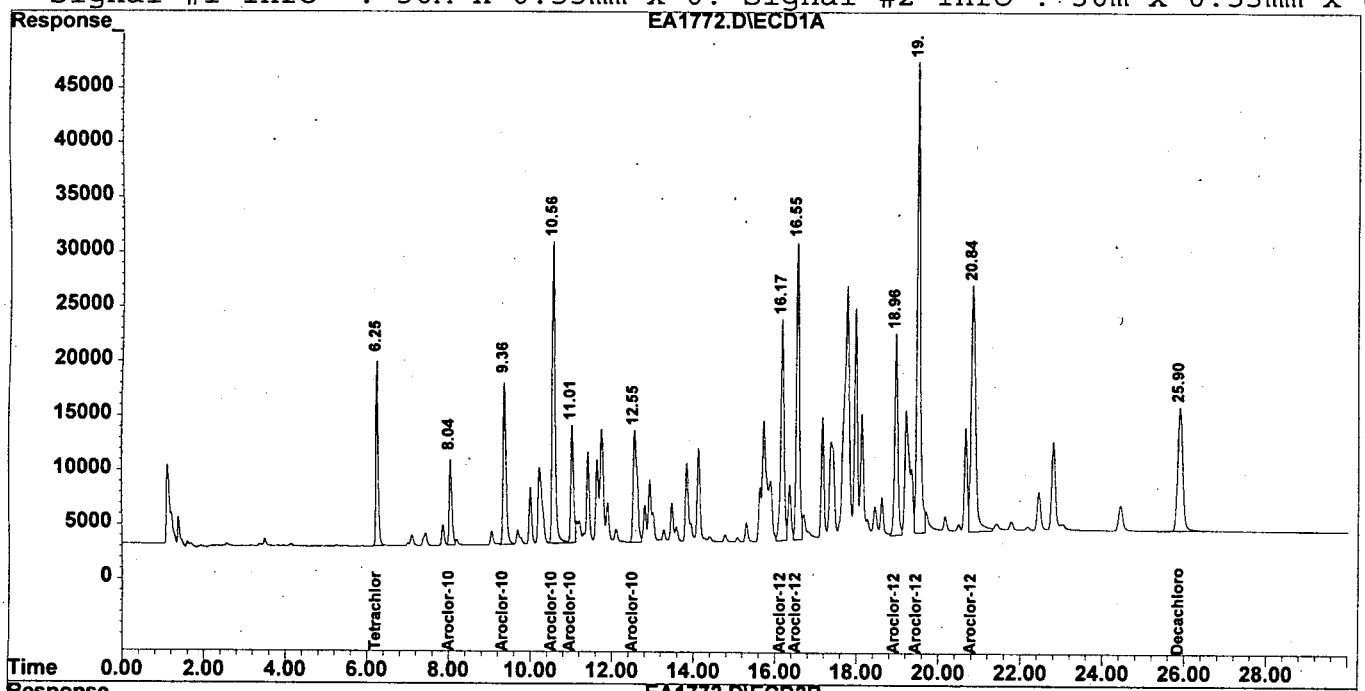
Quantitation Report

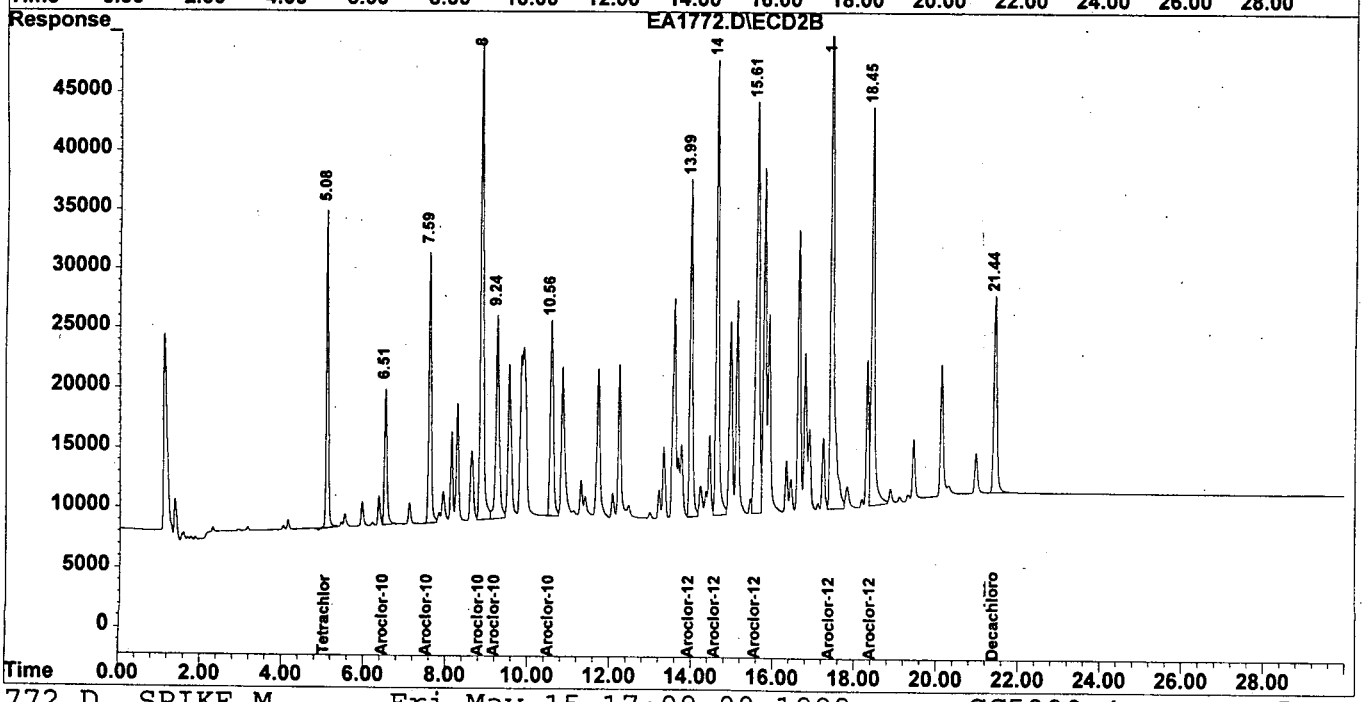
AMENDED REPORT MAY 3 0 1998

Signal #1 : C:\HPCHEM\WESTDA~1\EA1772.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\WESTDA~1\EA1772.D\ECD2B.CH
Acq On : 14 Dec 97 3:35 Operator:
Sample : BLANK SPIKE DUP Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: May 15 17:01 1998 Quant Results File: SPIKE.RES

Quant Method : D:\1\METHODS\SPIKE.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue May 05 13:43:59 1998
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7391
SPIKED SAMPLE: 278137
METHOD: 8080
MATRIX: SOIL
MOISTURE: 20.55%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
			439	105	509	121		
Aroclor-1016	420	U	~~500~~	~~119~~	~~530~~	~~126~~	25	~~6~~ 14
Aroclor-1260	420	U	~~1220~~	~~290~~ *	~~1280~~	~~305~~ *	25	~~5~~ 11
			748	178	736	176		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278137, 278138, 278139, 278140, 278141, 278142, 278143, 278144, 278145, 278146, 278147, 278148, 278149, 278150, 278151, 278152, 278153

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.06	553907	749969	40.261	37.709
Spiked Amount 40.000 Range 43 - 150 Recovery =					100.65%	94.27%
2) SA Decachlorobiphen	25.83	21.40	824800	772337	35.449	35.543
Spiked Amount 40.000 Range 24 - 154 Recovery =					88.62%	88.86%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.49	521242	436294	1566.231	950.861 #
4) L1 Aroclor-1016{2}	9.34	7.56	743246	892197	1096.269	1024.489
5) L1 Aroclor-1016{3}	10.53	8.82	1308328	1936280	1024.522	1043.354
6) L1 Aroclor-1016{4}	10.99	9.21	466987	997521	1056.024	1182.694
7) L1 Aroclor-1016{5}	~~12.52~~	~~10.53~~	880410	1494737	1348.640	1774.295 #
Sum Aroclor-1016			3920213	5757029	6091.686	5975.693
Average Aroclor-1016					1218.337	1195.139
8) L2 Aroclor-1221{1}	0.00	5.93	0	123661	N.D.	452.841 #
9) L2 Aroclor-1221{2}	7.37	6.34	109154	104361	1150.323	602.738 #
10) L2 Aroclor-1221{3}	7.83	6.49	96613	436294	701.538	681.210
11) L2 Aroclor-1221{4}	8.02	8.82	521242	1936280	1277.896	14097.632 #
Sum Aroclor-1221			727009	2600596	3129.757	15834.421
Average Aroclor-1221					1043.252 NP	3958.605 NP
12) L3 Aroclor-1232{1}	8.02	6.49	521242	436294	1798.666	1055.672 #
13) L3 Aroclor-1232{2}	9.34	7.56	743246	892197	2393.323	2430.620
14) L3 Aroclor-1232{3}	10.53	8.82	1308328	1936280	2572.581	2573.467
15) L3 Aroclor-1232{4}	12.52	9.21	880410	997521	2791.405	2956.835
16) L3 Aroclor-1232{5}	13.44	10.53	545938	1494737	2406.708	3921.012 #
Sum Aroclor-1232			3999164	5757029	11962.683	12937.606
Average Aroclor-1232					2392.537 NP	2587.521 NP
17) L4 Aroclor-1242{1}	8.02	6.49	521242	436294	2000.011	1196.360 #
18) L4 Aroclor-1242{2}	9.34	7.56	743246	892197	1382.536	1374.960
19) L4 Aroclor-1242{3}	10.53	8.82	1308328	1936280	1345.982	1388.228
20) L4 Aroclor-1242{4}	10.99	9.21	466987	997521	1407.631	1630.182
21) L4 Aroclor-1242{5}	12.52	10.53	880410	1494737	1579.864	2259.752 #
Sum Aroclor-1242			3920213	5757029	7716.025	7849.482
Average Aroclor-1242					1543.205 NP	1569.896 NP

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_E\EA1823.D\ECD2B.CH
Acq On : 17 Dec 97 21:06 Operator:
Sample : 278137 S Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.34	7.56	743246	892197	2585.102	2506.394
23) L5	Aroclor-1248{2}	10.53	8.82	1308328	1936280	1559.650	1596.906
24) L5	Aroclor-1248{3}	12.52	10.53	880410	1494737	1157.613	1590.799 #
25) L5	Aroclor-1248{4}	13.44	10.80	545938	858969	768.616	990.324 #
26) L5	Aroclor-1248{5}	15.60	13.50	4807304	6070832	14481.516	17152.963
Sum	Aroclor-1248			8285226	11253015	20552.497	23837.385
Average	Aroclor-1248					4110.499	4767.477
27) L6	Aroclor-1254{1}	11.60	9.85	558821	2255262	1493.673	3658.853 #
28) L6	Aroclor-1254{2}	13.79	11.68	2681129	2858231	4518.193	2314.017 #
29) L6	Aroclor-1254{3}	15.60	12.20	4807304	2746447	3699.814	2779.179
30) L6	Aroclor-1254{4}	16.54	13.50	7780783	6070832	12458.429	4335.658 #
31) L6	Aroclor-1254{5}	17.74	15.58	7687059	8718098	6337.806	6346.507
Sum	Aroclor-1254			23515095	22648869	28507.915	19434.214
Average	Aroclor-1254					5701.583	3886.843
32) L7	Aroclor-1260{1}	16.14	14.06	2936205	1980427	3022.290	1805.107 #
33) L7	Aroclor-1260{2}	16.54	14.59	7780783	4934189	6600.045	3389.074 #
34) L7	Aroclor-1260{3}	18.93	15.58	2346694	8718098	2828.570	4593.738 #
35) L7	Aroclor-1260{4}	19.47	17.40	3488337	4103176	1820.053	1840.144
Sum	Aroclor-1260			16552020	19735891	14270.958	11628.063
Average	Aroclor-1260					3567.740	2907.016

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12/18/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.23	5.07	579352	801713	42.111	40.311
Spiked Amount 40.000 Range 43 - 150 Recovery =					105.28%	100.78%
2) SA Decachlorobiphen	25.84	21.41	878669	806514	37.765	37.116
Spiked Amount 40.000 Range 24 - 154 Recovery =					94.41%	92.79%
Target Compounds						
3) L1 Aroclor-1016{1}	8.02	6.49	545773	515212	1639.943	1122.855 #
4) L1 Aroclor-1016{2}	9.34	7.57	771127	1031078	1137.393	1183.963
5) L1 Aroclor-1016{3}	10.53	8.83	1400518	2176974	1096.714	1173.051
6) L1 Aroclor-1016{4}	10.99	9.21	474610	1176738	1073.263	1395.180 #
7) L1 Aroclor-1016{5}	~~12.52~~	10.53	913291	1911573	1399.007	2269.090 #
Sum Aroclor-1016			4105319	6811575	6346.321	7144.138
Average Aroclor-1016					1269.264	1428.828
8) L2 Aroclor-1221{1}	0.00	5.94	0	360648	N.D.	1320.672 #
9) L2 Aroclor-1221{2}	7.37	6.35	386019	162631	4068.060	939.279 #
10) L2 Aroclor-1221{3}	7.84	6.49	161087	515212	1169.710	804.429 #
11) L2 Aroclor-1221{4}	8.02	8.83	545773	2176974	1338.038	15850.073 #
Sum Aroclor-1221			1092880	3215465	6575.808	18914.452
Average Aroclor-1221					2191.936 NP	4728.613 NP
12) L3 Aroclor-1232{1}	8.02	6.49	545773	515212	1883.317	1246.625 #
13) L3 Aroclor-1232{2}	9.34	7.57	771127	1031078	2483.104	2808.976
14) L3 Aroclor-1232{3}	10.53	8.83	1400518	2176974	2753.855	2893.368
15) L3 Aroclor-1232{4}	12.52	9.21	913291	1176738	2895.656	3488.067
16) L3 Aroclor-1232{5}	13.44	10.53	582569	1911573	2568.192	5014.459 #
Sum Aroclor-1232			4213279	6811575	12584.124	15451.495
Average Aroclor-1232					2516.825 NP	3090.299 NP
17) L4 Aroclor-1242{1}	8.02	6.49	545773	515212	2094.138	1412.760 #
18) L4 Aroclor-1242{2}	9.34	7.57	771127	1031078	1434.399	1588.990
19) L4 Aroclor-1242{3}	10.53	8.83	1400518	2176974	1440.825	1560.795
20) L4 Aroclor-1242{4}	10.99	9.21	474610	1176738	1430.609	1923.064 #
21) L4 Aroclor-1242{5}	12.52	10.53	913291	1911573	1688.868	2889.926 #
Sum Aroclor-1242			4105319	6811575	8038.839	9375.535
Average Aroclor-1242					1607.768 NP	1875.107 NP

1064

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_E\EA1824.D\ECD2B.CH
Acq On : 17 Dec 97 21:40 Operator:
Sample : 278137 SD Inst : GC_5890_5
Misc : QPC7391 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 18 9:18 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.34	7.57	771127	1031078	2682.077	2896.545
23) L5	Aroclor-1248{2}	10.53	8.83	1400518	2176974	1669.549	1795.413
24) L5	Aroclor-1248{3}	12.52	10.53	913291	1911573	1200.846	2034.422 #
25) L5	Aroclor-1248{4}	13.44	10.81	582569	1077238	820.188	1241.971 #
26) L5	Aroclor-1248{5}	15.60	13.51	4934881	6480881	14865.830	18311.545
Sum	Aroclor-1248			8602387	12677744	21238.491	26279.897
Average	Aroclor-1248					4247.698	5255.979
27) L6	Aroclor-1254{1}	11.60	9.86	583319	2738098	1559.155	4442.188 #
28) L6	Aroclor-1254{2}	13.79	11.69	2738445	3149647	4614.780	2549.947 #
29) L6	Aroclor-1254{3}	15.60	12.20	4934881	3029443	3798.001	3065.547
30) L6	Aroclor-1254{4}	16.56	13.51	21383298	6480881	34238.492	4628.506 #
31) L6	Aroclor-1254{5}	17.74	15.59	7849792	8881525	6471.976	6465.477
Sum	Aroclor-1254			37489735	24279594	50682.405	21151.666
Average	Aroclor-1254					10136.481	4230.333
32) L7	Aroclor-1260{1}	16.14	13.96	3042815	3739915	3132.026	3408.834
33) L7	Aroclor-1260{2}	16.56	14.60	21383298	5116672	18138.371	3514.413 #
34) L7	Aroclor-1260{3}	18.94	15.59	2423302	8881525	2920.910	4679.851 #
35) L7	Aroclor-1260{4}	19.47	17.41	3671711	4258847	1915.729	1909.958
36) L7	Aroclor-1260{5}	20.80	18.42	2642875	2897404	1691.294	1778.850
Sum	Aroclor-1260			33164001	24894364	27798.330	15291.906
Average	Aroclor-1260					5559.666	3058.381

1065

12/18/97

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

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7394
SPIKED SAMPLE: 278207
METHOD: 8080
MATRIX: SOIL
MOISTURE: 40.31%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	560	U	840	150	750	134	25	11
Aroclor-1260	560	U	~~2150~~	~~384~~ *	~~1800~~	~~321~~ *	25	~~18~~ 16
			1493	267	1291	231		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278194, 2782195, 278196, 278197, 278198, 278199, 278200, 278201, 278202, 278203, 278204, 278205, 278206, 278207, 278208, 278209, 278210, 278211, 278212, 278213

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachloro-m-xy	6.25	5.09	626838	854161	45.563	42.948	
	Spiked Amount 40.000 Range 43 - 150 Recovery =					113.91%	107.37%	
2)	SA Decachlorobiphen	25.91	21.45	1070690	1064801	46.018	49.002	
	Spiked Amount 40.000 Range 24 - 154 Recovery =					115.05%	122.51%	
	Target Compounds							
3)	L1 Aroclor-1016{1}	8.01	6.52	945882	473319	2842.193	1031.554	#
4)	L1 Aroclor-1016{2}	9.36	7.59	947371	1423922	1397.348	1635.057	
5)	L1 Aroclor-1016{3}	10.56	8.85	1685826	2240083	1320.133	1207.057	
6)	L1 Aroclor-1016{4}	11.02	9.23	547881	1812149	1238.955	2148.543	#
7)	L1 Aroclor-1016{5}	~~12.55~~	~~10.56~~	2189681	3065351	~~3354.222~~	~~3638.657~~	
	Sum Aroclor-1016			6316641	9014825	~~10152.851~~	~~9660.868~~	
	Average Aroclor-1016					~~2030.570~~	~~1932.174~~	
					Sum	6798,629	6022,208	
					Avg	1699,657	1505,552	
8)	L2 Aroclor-1221{1}	5.21	5.96	106555	85328	821.779	312.467	#
9)	L2 Aroclor-1221{2}	7.44	6.36	67528	118893	711.647	686.669	
10)	L2 Aroclor-1221{3}	7.86	6.52	94900	473319	689.101	739.020	
11)	L2 Aroclor-1221{4}	8.01	8.85	945882	2240083	2318.959	16309.560	#
	Sum Aroclor-1221			1214865	2917624	4541.486	18047.717	
	Average Aroclor-1221					1135.371	4511.929	
						no	no	
12)	L3 Aroclor-1232{1}	8.01	6.52	945882	473319	3263.985	1145.260	#
13)	L3 Aroclor-1232{2}	9.36	7.59	947371	1423922	3050.626	3879.205	#
14)	L3 Aroclor-1232{3}	10.56	8.85	1685826	2240083	3314.859	2977.246	
15)	L3 Aroclor-1232{4}	12.55	9.23	2189681	1812149	6942.545	5371.539	
16)	L3 Aroclor-1232{5}	13.47	10.56	1857271	3065351	8187.579	8041.064	
	Sum Aroclor-1232			7626031	9014825	24759.594	21414.314	
	Average Aroclor-1232					4951.919	4282.863	
						no	no	
17)	L4 Aroclor-1242{1}	8.01	6.52	945882	473319	3629.360	1297.886	#
18)	L4 Aroclor-1242{2}	9.36	7.59	947371	1423922	1762.236	2194.400	
19)	L4 Aroclor-1242{3}	10.56	8.85	1685826	2240083	1734.344	1606.042	
20)	L4 Aroclor-1242{4}	11.02	9.23	547881	1812149	1651.469	2961.473	#
21)	L4 Aroclor-1242{5}	12.55	10.56	2189681	3065351	3929.305	4634.215	
	Sum Aroclor-1242			6316641	9014825	12706.714	12694.015	
	Average Aroclor-1242					2541.343	2538.803	
						no	no	

1082

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD1A.CH Vial: 39
Signal #2 : C:\HPCHEM\1\DATA_E\EA1743.D\ECD2B.CH
Acq On : 12 Dec 97 11:39 Operator:
Sample : 278207 S Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 13:11 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.36	7.59	947371	1423922	3295.075	4000.138
23)	L5 Aroclor-1248{2}	10.56	8.85	1685826	2240083	2009.663	1847.461
24)	L5 Aroclor-1248{3}	12.55	10.56	2189681	3065351	2879.116	3262.350
25)	L5 Aroclor-1248{4}	13.47	10.83	1857271	1864253	2614.819	2149.338
26)	L5 Aroclor-1248{5}	15.63	13.54	13145564	14718997	39599.681	41588.109
	Sum Aroclor-1248			19825714	23312608	50398.353	52847.397
Average	Aroclor-1248					10079.671	10569.479
						NO	NO
27)	L6 Aroclor-1254{1}	11.63	0.00	2008751	0	5369.197	N.D. #
28)	L6 Aroclor-1254{2}	13.82	11.72	7403751	7961308	12476.674	6445.457 #
29)	L6 Aroclor-1254{3}	15.63	12.23	13145564	6614706	10117.136	6693.539 #
30)	L6 Aroclor-1254{4}	16.55	13.54	8149548	14718997	13048.886	10511.993
31)	L6 Aroclor-1254{5}	17.77	15.61	15380361	17755757	12680.760	12925.645
	Sum Aroclor-1254			46087975	47050769	53692.654	36576.633
Average	Aroclor-1254					10738.531	9144.158
32)	L7 Aroclor-1260{1}	16.14	13.99	4760170	8106701	~~4899.731~~m	~~7389.043~~ #
33)	L7 Aroclor-1260{2}	16.55	14.63	8149548	9440553	~~6912.849~~	6484.293
34)	L7 Aroclor-1260{3}	18.97	15.61	4786274	17755757	5769.101	~~9355.859~~ #
35)	L7 Aroclor-1260{4}	19.50	17.44	5849089	6173568	3051.784	2768.649
36)	L7 Aroclor-1260{5}	20.84	18.44	4238950	4257220	2712.695	2613.704
	Sum Aroclor-1260			27784031	45733799	~~23346.159~~	~~28611.548~~
Average	Aroclor-1260					~~4669.232~~	~~5722.310~~
						Sum 11533.58	11866.646
						A. 3844.527	3955.549

1083

12/13/98

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.09	620278	879299	45.086	44.212
Spiked Amount 40.000 Range 43 - 150 Recovery =					112.72%	110.53%
2) SA Decachlorobiphen	25.90	21.44	1106872	1161816	47.573	53.467
Spiked Amount 40.000 Range 24 - 154 Recovery =					118.93%	133.67%
Target Compounds						
3) L1 Aroclor-1016{1}	8.01	6.51	828902	483554	2490.691	1053.861 #
4) L1 Aroclor-1016{2}	9.36	7.59	885419	1142410	1305.970	1311.802
5) L1 Aroclor-1016{3}	10.56	8.85	1579930	2144480	1237.207	1155.542
6) L1 Aroclor-1016{4}	11.02	9.23	530647	1588124	1199.984	1882.932 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.56~~	1762216	2458339	~~2699.417~~	~~2918.117~~
Sum Aroclor-1016			5587114	7816908	~~8933.270~~	~~8322.253~~
Average Aroclor-1016					~~1786.654~~	~~1664.451~~
					Sum 6233.845	5404.137
					Avg 1558.461	1351.034
8) L2 Aroclor-1221{1}	5.20	5.95	91964	97581	709.253	357.337 #
9) L2 Aroclor-1221{2}	7.44	6.36	64076	117695	675.261	679.748
10) L2 Aroclor-1221{3}	7.86	6.51	90191	483554	654.909	755.000
11) L2 Aroclor-1221{4}	8.01	8.85	828902	2144480	2032.167	15613.497 #
Sum Aroclor-1221			1075133	2843311	4071.591	17405.582
Average Aroclor-1221					1017.898	4351.396
					NO	NO
12) L3 Aroclor-1232{1}	8.01	6.51	828902	483554	2860.319	1170.025 #
13) L3 Aroclor-1232{2}	9.36	7.59	885419	1142410	2851.134	3112.277
14) L3 Aroclor-1232{3}	10.56	8.85	1579930	2144480	3106.634	2850.182
15) L3 Aroclor-1232{4}	12.55	9.23	1762216	1588124	5587.235	4707.488
16) L3 Aroclor-1232{5}	13.47	10.56	1333576	2458339	5878.923	6448.743
Sum Aroclor-1232			6390042	7816908	20284.244	18288.716
Average Aroclor-1232					4056.849	3657.743
					NO	NO
17) L4 Aroclor-1242{1}	8.01	6.51	828902	483554	3180.507	1325.952 #
18) L4 Aroclor-1242{2}	9.36	7.59	885419	1142410	1646.997	1760.562
19) L4 Aroclor-1242{3}	10.56	8.85	1579930	2144480	1625.400	1537.499
20) L4 Aroclor-1242{4}	11.02	9.23	530647	1588124	1599.522	2595.364 #
21) L4 Aroclor-1242{5}	12.55	10.56	1762216	2458339	3162.234	3716.531
Sum Aroclor-1242			5587114	7816908	11214.660	10935.907
Average Aroclor-1242					2242.932	2187.181
					NO	NO

12/13/97

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD1A.CH Vial: 40
Signal #2 : C:\HPCHEM\1\DATA_E\EA1744.D\ECD2B.CH
Acq On : 12 Dec 97 12:13 Operator:
Sample : 278207 SD Inst : GC_5890_5
Misc : QPC7394 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 11:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
22)	L5 Aroclor-1248{1}	9.36	7.59	885419	1142410	3079.597	3209.301	
23)	L5 Aroclor-1248{2}	10.56	8.85	1579930	2144480	1883.425	1768.615	
24)	L5 Aroclor-1248{3}	12.55	10.56	1762216	2458339	2317.060	2616.328	
25)	L5 Aroclor-1248{4}	13.47	10.83	1333576	1480202	1877.517	1706.557	
26)	L5 Aroclor-1248{5}	15.63	13.54	10471892	11797502	31545.513	33333.507	
	Sum Aroclor-1248			16033032	19022934	40703.113	42634.308	
	Average Aroclor-1248					8140.623	8526.862	
27)	L6 Aroclor-1254{1}	11.63	9.83	1600197	1712340	4277.171	2778.037	#
28)	L6 Aroclor-1254{2}	13.82	11.71	5716221	6333762	9632.878	5127.799	#
29)	L6 Aroclor-1254{3}	15.63	12.23	10471892	5345446	8059.415	5409.152	#
30)	L6 Aroclor-1254{4}	16.55	13.54	6604798	11797502	10575.466	8425.523	
31)	L6 Aroclor-1254{5}	17.77	15.61	12402115	14350792	10225.263	10446.935	
	Sum Aroclor-1254			36795223	39539842	42770.194	32187.446	
	Average Aroclor-1254					8554.039	6437.489	
32)	L7 Aroclor-1260{1}	16.16	13.98	4691768	6620248	~~4829.323~~	~~6034.181~~	
33)	L7 Aroclor-1260{2}	16.55	14.62	6604798	7764573	~~5602.517~~	5333.138	
34)	L7 Aroclor-1260{3}	18.96	15.61	3944023	14350792	4753.899	~~7561.715~~	#
35)	L7 Aroclor-1260{4}	19.50	17.44	4977257	5337277	2596.902	2393.599	
36)	L7 Aroclor-1260{5}	20.83	18.44	3648906	3686886	2335.099	2263.550	
	Sum Aroclor-1260			23866751	37759776	~~20117.739~~	~~23586.183~~	
	Average Aroclor-1260					~~4023.548~~	~~4717.237~~	
						Sum 9685.90	9990.287	
						Avg 3228.633	3330.096	

1086

12/13/A

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

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7396
SPIKED SAMPLE: 278233
METHOD: 8080
MATRIX: SOIL
MOISTURE: 31.52%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	30	30	30
FINAL VOL:	10	10	10
UNITS:	µg/Kg		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	490	U	650	133	640	131	25	2
Aroclor-1260	490	U	~~1510~~	~~308~~ *	~~1660~~	~~339~~ *	25	~~9~~ 47
			1270	262	1220	250		

QC Limits:	Compound	Percent Recovery Limits
	Aroclor-1016	45 - 202
	Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278233, 278234, 278235, 278236, 278237

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	644191	877140	46.824	44.103
Spiked Amount 40.000 Range 43 - 150 Recovery =					117.06%	110.26%
2) SA Decachlorobiphen	25.89	21.44	1119346	1117772	48.109	51.440
Spiked Amount 40.000 Range 24 - 154 Recovery =					120.27%	128.60%
Target Compounds						
3) L1 Aroclor-1016{1}	8.00	6.51	745644	477215	2240.516	1040.044 #
4) L1 Aroclor-1016{2}	9.36	7.59	954699	1031790	1408.156	1184.780
5) L1 Aroclor-1016{3}	10.55	8.85	1699357	2254243	1330.728	1214.687
6) L1 Aroclor-1016{4}	11.01	9.23	538396	1616557	1217.506	1916.642 #
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.55~~	2041868	2795085	~~3127.798~~	~~3317.843~~
Sum Aroclor-1016			5979964	8174889	~~9324.704~~	~~8673.996~~
Average Aroclor-1016					~~1864.941~~	~~1734.799~~
				Sum	61696.96	5355.931
				Avg	1549.24	1338.985
8) L2 Aroclor-1221{1}	5.20	5.95	88043	119068	679.014	436.022 #
9) L2 Aroclor-1221{2}	7.43	6.36	68047	126800	717.116	732.337
10) L2 Aroclor-1221{3}	7.85	6.51	95782	477215	695.507	745.102
11) L2 Aroclor-1221{4}	8.00	8.85	745644	2254243	1828.048	16412.652 #
Sum Aroclor-1221			997516	2977327	3919.684	18326.113
Average Aroclor-1221					979.921	4581.528
					no	no
12) L3 Aroclor-1232{1}	8.00	6.51	745644	477215	2573.016	1154.686 #
13) L3 Aroclor-1232{2}	9.36	7.59	954699	1031790	3074.221	2810.914
14) L3 Aroclor-1232{3}	10.55	8.85	1699357	2254243	3341.465	2996.065
15) L3 Aroclor-1232{4}	12.55	9.23	2041868	1616557	6473.895	4791.768 #
16) L3 Aroclor-1232{5}	13.47	10.55	1550826	2795085	6836.648	7332.097
Sum Aroclor-1232			6992394	8174889	22299.245	19085.531
Average Aroclor-1232					4459.849	3817.106
					no	no
17) L4 Aroclor-1242{1}	8.00	6.51	745644	477215	2861.043	1308.568 #
18) L4 Aroclor-1242{2}	9.36	7.59	954699	1031790	1775.866	1590.086
19) L4 Aroclor-1242{3}	10.55	8.85	1699357	2254243	1748.264	1616.194
20) L4 Aroclor-1242{4}	11.01	9.23	538396	1616557	1622.879	2641.829 #
21) L4 Aroclor-1242{5}	12.55	10.55	2041868	2795085	3664.061	4225.624
Sum Aroclor-1242			5979964	8174889	11672.114	11382.301
Average Aroclor-1242					2334.423	2276.460
					no	no

C 1096

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_E\EA1710.D\ECD2B.CH
Acq On : 11 Dec 97 14:50 Operator:
Sample : 278233 S Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:33 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22) L5	Aroclor-1248{1}	9.36	7.59	954699	1031790	3320.560	2898.543
23) L5	Aroclor-1248{2}	10.55	8.85	1699357	2254243	2025.793	1859.139
24) L5	Aroclor-1248{3}	12.55	10.55	2041868	2795085	2684.764	2974.715
25) L5	Aroclor-1248{4}	13.47	10.83	1550826	1792888	2183.380	2067.060
26) L5	Aroclor-1248{5}	15.63	13.53	11716585	13204537	35295.027	37309.044
Sum	Aroclor-1248			17963336	21078542	45509.524	47108.501
Average	Aroclor-1248					9101.905	9421.700
						NP	NP
27) L6	Aroclor-1254{1}	11.62	9.87	1870749	6580957	5000.330	10676.700 #
28) L6	Aroclor-1254{2}	13.81	11.71	6256733	7334240	10543.739	5937.784 #
29) L6	Aroclor-1254{3}	15.63	12.23	11716585	5711175	9017.361	5779.240 #
30) L6	Aroclor-1254{4}	16.55	13.53	7479162	13204537	11975.479	9430.398
31) L6	Aroclor-1254{5}	17.76	15.61	14175074	16423846	11687.028	11956.054
Sum	Aroclor-1254			41498303	49254755	48223.936	43780.176
Average	Aroclor-1254					9644.787	8756.035
32) L7	Aroclor-1260{1}	16.15	13.98	3806840	7279691	3918.451m	~~6635.246~~ #
33) L7	Aroclor-1260{2}	16.55	14.62	7479162	8548625	~~6344.195~~	5871.668
34) L7	Aroclor-1260{3}	18.96	15.61	4328118	16423846	~~5216.866~~	~~8654.048 #~~
35) L7	Aroclor-1260{4}	19.50	17.44	5492336	6049476	2865.647	2712.998
36) L7	Aroclor-1260{5}	20.83	18.44	3986606	4156866	2551.209	2552.092
Sum	Aroclor-1260			25093063	42458504	~~20896.367~~	~~26426.052~~
Average	Aroclor-1260					~~4179.273~~	~~5285.210~~
						Sum 9335.307	11136.758
						Avg 5111.769	3712.253

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DPS 1/43 /R

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	6.25	5.08	624338	805874	45.381	40.520	
Spiked Amount 40.000 Range 43 - 150 Recovery =					113.45%	101.30%	
2) SA Decachlorobiphen	25.90	21.44	1130509	1166763	48.588	53.694	
Spiked Amount 40.000 Range 24 - 154 Recovery =					121.47%	134.24%	
Target Compounds							
4) L1 Aroclor-1016{1}	8.00	6.51	759478	440378	2282.086	959.762	#
5) L1 Aroclor-1016{2}	9.36	7.59	1002975	1071436	1479.363	1230.305	
5) L1 Aroclor-1016{3}	10.56	8.85	1636187	2142046	1281.261	1154.230	
6) L1 Aroclor-1016{4}	11.01	9.23	510510	1640873	1154.447	1945.473	#
7) L1 Aroclor-1016{5}	~~12.55~~	~~10.55~~	2188052	2973762	~~3351.726~~	~~3529.938~~	
Sum Aroclor-1016			6097203	8268496	~~9548.883~~	~~8819.708~~	
Average Aroclor-1016					~~1909.777~~	~~1763.942~~	
					Sum 6197.157	5289.77	
					Avg 1549.289	1322.443	
8) L2 Aroclor-1221{1}	5.20	5.95	94701	114971	730.358	421.018	#
9) L2 Aroclor-1221{2}	7.43	6.36	78355	122306	825.739	706.379	
10) L2 Aroclor-1221{3}	7.85	6.51	101004	440378	733.424	687.587	
11) L2 Aroclor-1221{4}	8.00	8.85	759478	2142046	1861.965	15595.771	#
Sum Aroclor-1221			1033538	2819701	4151.486	17410.755	
Average Aroclor-1221					1037.872	4352.689	
					ND	ND	
12) L3 Aroclor-1232{1}	8.00	6.51	759478	440378	2620.756	1065.554	#
13) L3 Aroclor-1232{2}	9.36	7.59	1002975	1071436	3229.676	2918.923	
14) L3 Aroclor-1232{3}	10.56	8.85	1636187	2142046	3217.253	2846.947	
15) L3 Aroclor-1232{4}	12.55	9.23	2188052	1640873	6937.380	4863.847	#
16) L3 Aroclor-1232{5}	13.47	10.55	1752905	2973762	7727.492	7800.807	
Sum Aroclor-1232			7339597	8268496	23732.557	19496.077	
Average Aroclor-1232					4746.511	3899.215	
					ND	ND	
17) L4 Aroclor-1242{1}	8.00	6.51	759478	440378	2914.127	1207.558	#
18) L4 Aroclor-1242{2}	9.36	7.59	1002975	1071436	1865.667	1651.185	
19) L4 Aroclor-1242{3}	10.56	8.85	1636187	2142046	1683.276	1535.753	
20) L4 Aroclor-1242{4}	11.01	9.23	510510	1640873	1538.824	2681.569	#
21) L4 Aroclor-1242{5}	12.55	10.55	2188052	2973762	3926.381	4495.750	
Sum Aroclor-1242			6097203	8268496	11928.276	11571.815	
Average Aroclor-1242					2385.655	2314.363	
					ND	ND	

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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD1A.CH Vial: 7
Signal #2 : C:\HPCHEM\1\DATA_E\EA1711.D\ECD2B.CH
Acq On : 11 Dec 97 15:24 Operator:
Sample : 278233 SD Inst : GC_5890_5
Misc : QPC7396 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 13 14:34 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
22)	L5 Aroclor-1248{1}	9.36	7.59	1002975	1071436	3488.473	3009.919
23)	L5 Aroclor-1248{2}	10.56	8.85	1636187	2142046	1950.489	1766.607
24)	L5 Aroclor-1248{3}	12.55	10.55	2188052	2973762	2876.974	3164.875
25)	L5 Aroclor-1248{4}	13.47	10.83	1752905	1862469	2467.884	2147.281
26)	L5 Aroclor-1248{5}	15.63	13.53	12947284	14463833	39002.381	40867.150
	Sum Aroclor-1248			19527403	22513546	49786.200	50955.832
	Average Aroclor-1248					9957.240	10191.166
27)	L6 Aroclor-1254{1}	11.62	9.88	2018190	7063296	5394.426	11459.230 #
28)	L6 Aroclor-1254{2}	13.82	11.71	7060303	8024147	11897.901	6496.331 #
29)	L6 Aroclor-1254{3}	15.63	12.23	12947284	6202509	9964.535	6276.430 #
30)	L6 Aroclor-1254{4}	16.55	13.53	8186817	14463833	13108.561	10329.760
31)	L6 Aroclor-1254{5}	17.77	15.61	16237241	17707390	13387.237	12890.435
	Sum Aroclor-1254			46449834	53461175	53752.661	47452.185
	Average Aroclor-1254					10750.532	9490.437
32)	L7 Aroclor-1260{1}	16.15	13.98	4347486	7778624	4474.947m	~~7090.010~~ #
33)	L7 Aroclor-1260{2}	16.55	14.62	8186817	9007638	~~6944.463~~	6186.943
34)	L7 Aroclor-1260{3}	18.96	15.61	4831220	17707390	~~5823.276~~	~~9330.373~~ #
35)	L7 Aroclor-1260{4}	19.50	17.44	5793779	5406855	3022.925	2424.802
36)	L7 Aroclor-1260{5}	20.83	18.44	4309529	4246457	2757.862	2607.096
	Sum Aroclor-1260			27468831	44146963	~~23023.474~~	~~27639.224~~
	Average Aroclor-1260					~~4604.695~~	~~5527.845~~
						Sum 10255.734	12128.841
						Avg 3418.578	3739.614

1100

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

ICM LABORATORIES QUALITY CONTROL REPORT

GC SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE SUMMARY
POLYCHLORINATED BIPHENYLS

BATCH NUMBER: QPC7403
SPIKED SAMPLE: BLANK
METHOD: 8080
MATRIX: AQUEOUS
MOISTURE: 0.00%

	SAMPLE	MS	MSD
INITIAL WT/VOL:	1000	1000	1000
FINAL VOL:	10	10	10
UNITS:	µg/L		

COMPOUND NAME	CONC. ADDED	SAMPLE CONC	MATRIX SPIKE CONC	MATRIX SPIKE %REC	SPIKE DUP CONC	SPIKE DUP %REC	QC RPD	RPD
Aroclor-1016	10	U	11	110	11	110	25	0
Aroclor-1260	10	U	12	120	12	120	25	0

QC Limits:

Compound	Percent Recovery Limits
Aroclor-1016	45 - 202
Aroclor-1260	37 - 140

* Values outside QC Limits

ASSOCIATED SAMPLES:

278238, 278463

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1771.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1771.D\ECD2B.CH
Acq On : 14 Dec 97 3:01 Operator:
Sample : BLANK SPIKE Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:47 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	668724	919307	48.607	46.223
Spiked Amount 40.000 Range 43 - 150 Recovery =					121.52%	115.56%
2) SA Decachlorobiphen	25.90	21.45	978287	891964	42.046	41.048
Spiked Amount 40.000 Range 24 - 154 Recovery =					105.12%	102.62%
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	6.51	359702	499808	1080.835	1089.285
4) L1 Aroclor-1016{2}	9.36	7.59	756182	974788	1115.348	1119.326
5) L1 Aroclor-1016{3}	10.56	8.85	1429353	2087669	1119.294	1124.930
6) L1 Aroclor-1016{4}	11.01	9.24	519263	966976	1174.240	1146.479
7) L1 Aroclor-1016{5}	12.55	10.56	725568	919177	1111.448	1091.089
Sum Aroclor-1016			3790067	5448419	5601.165	5571.108
Average Aroclor-1016					1120.233	1114.222
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
32) L7 Aroclor-1260{1}	16.17	13.99	1149971	1350005	1183.686	1230.494
33) L7 Aroclor-1260{2}	16.55	14.63	1432102	1891455	1214.780	1299.156
34) L7 Aroclor-1260{3}	18.96	15.62	986419	2199581	1188.973	1159.003
35) L7 Aroclor-1260{4}	19.50	17.44	2564621	2741682	1338.100	1229.557
36) L7 Aroclor-1260{5}	20.84	18.45	1740010	1858632	1113.511	1141.100
Sum Aroclor-1260			7873123	10041355	6039.050	6059.316
Average Aroclor-1260					1207.810	1211.862

1103

12/15/97

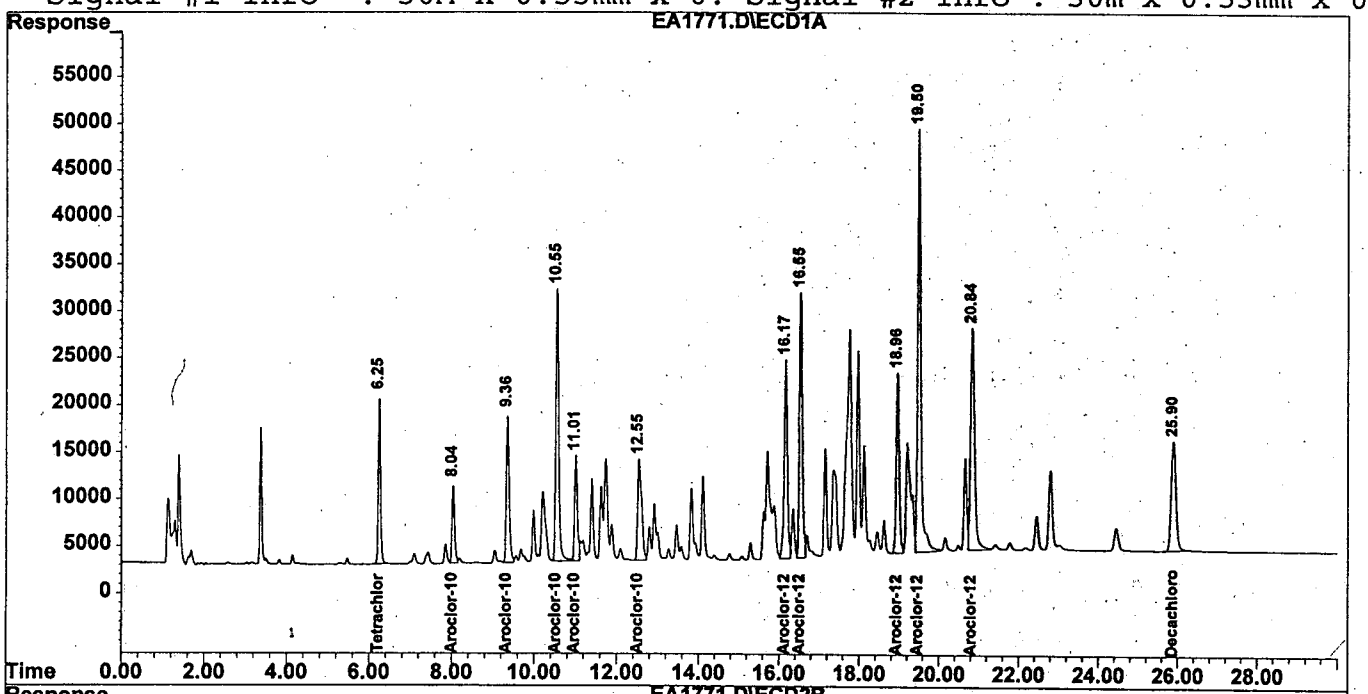
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

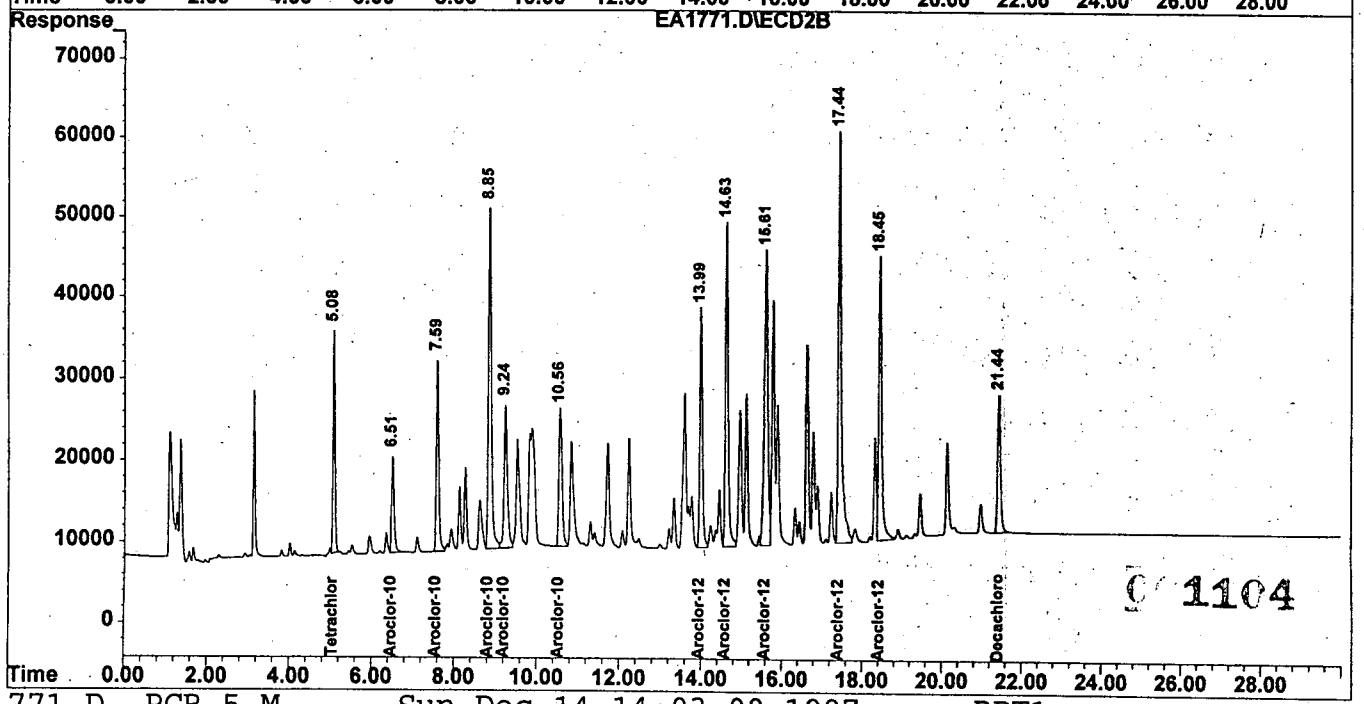
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1771.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_E\EA1771.D\ECD2B.CH
Acq On : 14 Dec 97 3:01 Operator:
Sample : BLANK SPIKE Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:47 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





C 1104

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_E\EA1772.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1772.D\ECD2B.CH
Acq On : 14 Dec 97 3:35 Operator:
Sample : BLANK SPIKE DUP Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:48 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Initial Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	6.25	5.08	635209	918529	46.171	46.184
Spiked Amount 40.000 Range 43 - 150 Recovery =					115.43%	115.46%
2) SA Decachlorobiphen	25.90	21.44	953968	860985	41.001	39.622
Spiked Amount 40.000 Range 24 - 154 Recovery =					102.50%	99.06%
Target Compounds						
3) L1 Aroclor-1016{1}	8.04	6.51	345415	477168	1037.905	1039.941
4) L1 Aroclor-1016{2}	9.36	7.59	731250	935232	1078.575	1073.904
5) L1 Aroclor-1016{3}	10.56	8.85	1368264	2004899	1071.457	1080.329
6) L1 Aroclor-1016{4}	11.01	9.24	498616	940644	1127.548	1115.258
7) L1 Aroclor-1016{5}	12.55	10.56	695822	881804	1065.882	1046.726
Sum Aroclor-1016			3639366	5239746	5381.366	5356.159
Average Aroclor-1016					1076.273	1071.232
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
32) L7 Aroclor-1260{1}	16.17	13.99	1102577	1299550	1134.902	1184.506
33) L7 Aroclor-1260{2}	16.55	14.63	1373817	1817814	1165.339	1248.575
34) L7 Aroclor-1260{3}	18.96	15.61	946019	2108770	1140.277	1111.153
35) L7 Aroclor-1260{4}	19.50	17.44	2458801	2618602	1282.888	1174.360
36) L7 Aroclor-1260{5}	20.84	18.45	1670410	1774338	1068.970	1089.348
Sum Aroclor-1260			7551623	9619074	5792.378	5807.941
Average Aroclor-1260					1158.476	1161.588

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12/15/97

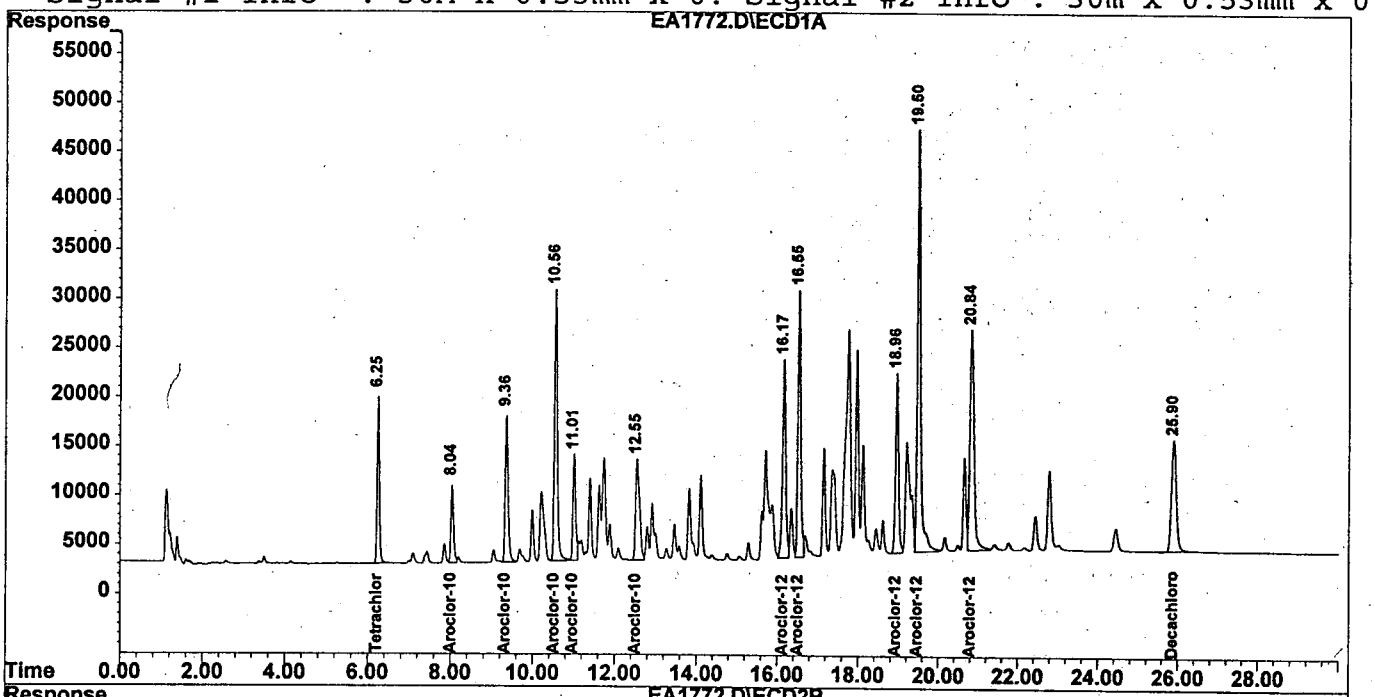
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

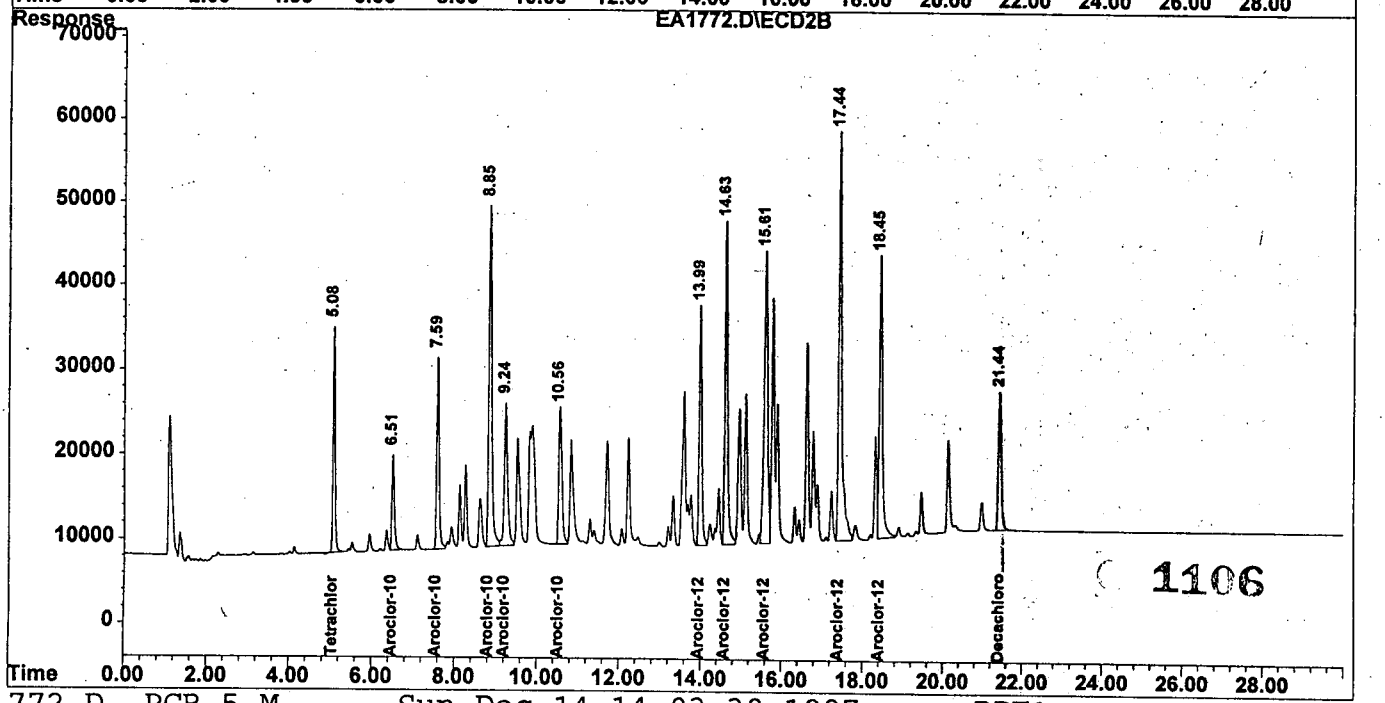
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_E\EA1772.D\ECD1A.CH Vial: 19
Signal #2 : C:\HPCHEM\1\DATA_E\EA1772.D\ECD2B.CH
Acq On : 14 Dec 97 3:35 Operator:
Sample : BLANK SPIKE DUP Inst : GC_5890_5
Misc : QPC7403 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Dec 14 13:48 1997 Quant Results File: PCB_5.RES

Quant Method : H:\1\METHODS\PCB_5.M (Chemstation Integrator)
Title : Polychlorinated Biphenyls Method by 8080 and 608.
Last Update : Tue Dec 09 16:11:55 1997
Response via : Multiple Level Calibration
DataAcq Meth : PCB_5.M

Volume Inj. : 2 µl
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 30M X 0.53mm x 0. Signal #2 Info : 30m x 0.53mm x 0.50µ





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ICM LABORATORIES QUALITY CONTROL REPORT

Rt. Shift.

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7390
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/7/97	22:13	0.00	0.00	0.00	0.00	0
BLANK	12/7/97	23:21	0.01	0.01	0.01	0.01	0
278120 S	12/8/97	00:28	0.01	0.01	0.02	0.01	0
278120 SD	12/8/97	1:02	0.00	0.00	0.00	0.00	0
278123	12/8/97	2:43	0.01	0.00	0.00	0.00	0
278125	12/8/97	3:50	0.01	0.00	0.00	0.00	0
278126	12/8/97	4:24	0.00	0.00	0.00	0.00	0
AR1254 #3	12/8/97	4:57	0.00	0.00	0.00	0.00	0
278127	12/8/97	5:30	0.00	0.00	0.01	0.01	0
278128	12/8/97	6:04	0.00	0.00	0.00	0.00	0
278134	12/8/97	9:27	0.01	0.00	0.00	0.01	0
278135	12/8/97	10:01	0.00	0.00	0.00	0.01	0
278136	12/8/97	10:35	0.00	0.00	0.00	0.00	0
AR1254 #3	12/8/97	11:57	0.00	0.00	0.01	0.01	0
278120 1:5	12/8/97	14:59	0.02	0.02	0.06	0.04	0
278121 1:5	12/8/97	15:33	0.01	0.00	0.03	0.02	0
278122 1:5	12/8/97	16:07	0.01	0.01	0.04	0.02	0
278124 1:10	12/8/97	16:41	0.01	0.01	0.03	0.02	0
278129 1:10	12/8/97	17:15	0.01	0.01	0.03	0.02	0
278130 1:10	12/8/97	17:49	0.01	0.01	0.03	0.02	0
AR1254 #3	12/8/97	18:25	0.00	0.00	0.00	0.00	0
278131 1:20	12/8/97	18:59	0.02	0.01	0.04	0.02	0
278132 1:10	12/8/97	19:33	0.00	0.00	0.02	0.00	0
278133 1:10	12/8/97	20:07	0.01	0.00	0.02	0.01	0
AR1254 #3	12/9/97	00:35	0.00	0.00	0.00	0.00	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7391
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/10/97	17:31	0.00	0.00	0.00	0.00	0
BLANK	12/10/97	18:05	0.00	0.00	0.01	0.00	0
278137	12/10/97	19:13	0.00	0.00	0.00	0.00	0
278138	12/10/97	19:47	0.00	0.00	0.00	0.00	0
278139	12/10/97	20:20	0.00	0.00	0.00	0.00	0
278140	12/10/97	20:54	0.00	0.00	0.00	0.00	0
278141	12/10/97	21:27	0.00	0.00	0.00	0.01	0
AR1248 #3	12/10/97	23:42	0.00	0.00	0.00	0.00	0
278151	12/11/97	3:35	0.00	0.00	0.00	0.00	0
278152	12/11/97	4:09	0.00	0.00	0.01	0.00	0
278153	12/11/97	4:42	0.00	0.00	0.00	0.00	0
AR1254 #3	12/11/97	5:16	0.00	0.00	0.00	0.01	0
AR1660 #3	12/11/97	18:13	0.00	0.00	0.00	0.00	0
278142 1:5	12/11/97	18:47	0.00	0.00	0.01	0.00	0
278143 1:5	12/11/97	19:21	0.00	0.00	0.01	0.00	0
278144 1:5	12/11/97	19:55	0.00	0.00	0.01	0.00	0
278145 1:10	12/11/97	20:29	0.00	0.00	0.02	0.01	0
278146 1:5	12/11/97	21:03	0.00	0.00	0.01	0.01	0
278147 1:5	12/11/97	21:37	0.00	0.00	0.01	0.01	0
278148 1:10	12/11/97	22:11	0.00	0.00	0.01	0.01	0
278149 1:10	12/11/97	22:44	0.00	0.00	0.01	0.01	0
278150 1:5	12/11/97	23:18	0.00	0.00	0.02	0.01	0
AR1254 #3	12/12/97	1:33	0.00	0.00	0.01	0.01	0
AR1248 #3	12/17/97	18:52	0.00	0.00	0.00	0.00	0
278137 S	12/17/97	21:06	0.00	0.01	0.02	0.02	0
278137 SD	12/17/97	21:40	0.00	0.00	0.01	0.01	0
AR1254 #3	12/18/97	3:11	0.03	0.01	0.04	0.01	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7392
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1660 #3	12/8/97	12:48	0.00	0.00	0.00	0.00	0
BLANK	12/8/97	20:41	0.04	0.02	0.05	0.04	0
278154	12/8/97	21:20	0.04	0.02	0.04	0.04	0
278155	12/8/97	21:59	0.05	0.02	0.04	0.04	0
278156	12/8/97	22:37	0.05	0.02	0.04	0.03	0
AR1254 #3	12/8/97	23:55	0.00	0.00	0.00	0.00	0
278159	12/9/97	1:12	0.00	0.00	0.01	0.01	0
278160	12/9/97	1:50	0.00	0.00	0.01	0.01	0
278163	12/9/97	3:46	0.00	0.00	0.01	0.01	0
278167	12/9/97	6:21	0.00	0.00	0.01	0.01	0
AR1254 #3	12/9/97	6:59	0.00	0.00	0.00	0.00	0
278168	12/9/97	7:38	0.00	0.00	0.00	0.00	0
278169	12/9/97	8:17	0.00	0.00	0.00	0.00	0
278170	12/9/97	8:56	0.00	0.00	0.00	0.00	0
278171	12/9/97	9:35	0.01	0.00	0.00	0.00	0
278172	12/9/97	10:13	0.00	0.00	0.00	0.00	0
278173	12/9/97	10:52	0.01	0.00	0.01	0.00	0
AR1254 #3	12/9/97	19:13	0.06 *	0.01	0.23 *	0.16 *	3
AR1254 #3	12/10/97	15:19	0.00	0.00	0.00	0.00	0
278157 1:10	12/10/97	15:58	0.04	0.01	0.05	0.02	0
278158 1:10	12/10/97	16:37	0.05	0.02	0.05	0.02	0
278161 1:10	12/10/97	17:16	0.04	0.01	0.05	0.02	0
278162 1:5	12/10/97	17:55	0.04	0.01	0.05	0.02	0
278164 1:5	12/10/97	18:34	0.04	0.02	0.05	0.02	0
278165 1:20	12/10/97	19:12	0.04	0.02	0.06	0.02	0
278166	12/10/97	19:51	0.05	0.02	0.05	0.02	0
AR1248 #3	12/10/97	22:26	0.04	0.02	0.05	0.02	0
AR1248 #3	12/15/97	19:15	0.00	0.00	0.00	0.00	0
278154 SPIKE	12/15/97	21:51	0.00	0.00	0.01	0.01	0
278154 SPIKE DUP	12/15/97	22:29	0.01	0.00	0.01	0.01	0
AR1248 #3	12/16/97	1:32	0.10 *	0.00	0.00	0.01	1

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

PC7392.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7393
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/9/97	19:13	0.00	0.00	0.00	0.00	0
BLANK	12/9/97	23:06	0.06 *	0.03	0.05	0.02	1
278174	12/9/97	23:45	0.05	0.02	0.05	0.02	0
278176	12/10/97	1:02	0.05	0.02	0.06	0.03	0
278177	12/10/97	1:41	0.06 *	0.03	0.06	0.03	1
AR1248 #3	12/10/97	2:59	0.00	0.00	0.00	0.00	0
278180	12/10/97	4:17	0.00	0.00	0.00	0.00	0
278181	12/10/97	4:56	0.00	0.00	0.00	0.00	0
278182	12/10/97	5:34	0.00	0.00	0.00	0.00	0
278183	12/10/97	6:13	0.00	0.00	0.00	0.01	0
278184	12/10/97	6:52	0.00	0.00	0.01	0.01	0
278185	12/10/97	7:31	0.01	0.01	0.01	0.01	0
278186	12/10/97	8:10	0.00	0.00	0.00	0.00	0
278187	12/10/97	8:49	0.00	0.00	0.00	0.00	0
278188	12/10/97	9:28	0.00	0.00	0.00	0.01	0
AR1660 #3	12/10/97	10:28	0.01	0.04	0.14 *	0.09	1
AR1254 #3	12/10/97	15:19	0.00	0.00	0.00	0.00	0
278175 1:10	12/10/97	20:30	0.04	0.02	0.05	0.02	0
278178 1:10	12/10/97	21:08	0.05	0.02	0.05	0.03	0
278179 1:10	12/10/97	21:47	0.04	0.02	0.05	0.02	0
AR1248 #3	12/10/97	22:26	0.00	0.00	0.00	0.00	0
278191	12/10/97	23:04	0.00	0.00	0.01	0.00	0
278192	12/10/97	23:43	0.00	0.00	0.00	0.00	0
278189	12/11/97	00:22	0.00	0.00	0.00	0.00	0
278190	12/11/97	1:01	0.00	0.00	0.00	0.00	0
278174 SPIKE	12/11/97	2:18	0.00	0.00	0.00	0.00	0
278174 SPIKE DUP	12/11/97	2:56	0.00	0.00	0.00	0.00	0
AR1660 #3	12/11/97	3:35	0.01	0.00	0.01	0.00	0
AR1254 #3	12/11/97	10:51	0.00	0.00	0.00	0.00	0
278193 1:20	12/11/97	11:47	0.01	0.01	0.01	0.00	0
AR1248 #3	12/11/97	18:17	0.03	0.01	0.02	0.01	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

QPC7393.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7394
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1660 #3	12/11/97	18:13	0.00	0.00	0.00	0.00	0
BLANK	12/12/97	00:59	0.00	0.00	0.01	0.00	0
AR1254 #3	12/12/97	1:33	0.00	0.00	0.00	0.00	0
278194	12/12/97	2:06	0.00	0.00	0.01	0.00	0
278196	12/12/97	3:13	0.00	0.00	0.01	0.00	0
278197	12/12/97	3:46	0.00	0.00	0.01	0.00	0
278198	12/12/97	4:19	0.00	0.00	0.01	0.00	0
278199	12/12/97	4:53	0.00	0.00	0.01	0.00	0
278201	12/12/97	6:01	0.00	0.00	0.01	0.00	0
278203	12/12/97	7:07	0.01	0.01	0.02	0.02	0
AR1254 #3	12/12/97	8:44	0.00	0.00	0.00	0.00	0
278206	12/12/97	10:31	0.04	0.02	0.07	0.03	0
278207 S	12/12/97	11:39	0.04	0.02	0.07	0.03	0
278207 SD	12/12/97	12:13	0.04	0.02	0.06	0.02	0
278208	12/12/97	12:46	0.04	0.02	0.06	0.02	0
AR1254 #3	12/12/97	18:31	0.00	0.00	0.00	0.00	0
278212	12/12/97	19:05	0.02	0.00	0.04	0.01	0
278213	12/12/97	19:39	0.03	0.01	0.05	0.01	0
278204	12/12/97	20:12	0.03	0.01	0.05	0.01	0
AR1254 #3	12/13/97	11:55	0.00	0.00	0.00	0.00	0
278195 1:5	12/13/97	20:15	0.03	0.01	0.05	0.01	0
278200 1:5	12/13/97	20:49	0.03	0.01	0.05	0.02	0
278202 1:10	12/13/97	21:23	0.03	0.01	0.05	0.01	0
278205 1:5	12/13/97	21:57	0.02	0.01	0.05	0.01	0
278207 1:5	12/13/97	22:31	0.02	0.00	0.05	0.01	0
AR1254 #3	12/13/97	23:05	0.00	0.00	0.00	0.00	0
278209 1:5	12/13/97	23:38	0.01	0.00	0.01	0.01	0
278210 1:10	12/14/97	00:12	0.00	0.00	0.00	0.00	0
278211 1:5	12/14/97	00:46	0.00	0.00	0.00	0.00	0
AR1254 #3	12/14/97	5:16	0.00	0.00	0.01	0.01	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

QPC7394.XLS

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7395
INSTRUMENT ID: 5890-2
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/11/97	10:51	0.00	0.00	0.00	0.00	0
BLANK	12/11/97	12:26	0.03	0.00	0.01	0.00	0
278216	12/11/97	14:23	0.03	0.01	0.02	0.01	0
278217	12/11/97	15:02	0.03	0.01	0.02	0.01	0
AR1248 #3	12/11/97	18:17	0.00	0.00	0.00	0.00	0
278223	12/11/97	19:35	0.00	0.00	0.00	0.00	0
278224	12/11/97	20:14	0.00	0.00	0.01	0.01	0
278225	12/11/97	20:53	0.00	0.00	0.00	0.00	0
278231	12/12/97	00:46	0.01	0.01	0.02	0.01	0
AR1660 #3	12/12/97	2:31	0.00	0.00	0.00	0.00	0
278220 S	12/12/97	3:48	0.03	0.01	0.01	0.00	0
278220 SD	12/12/97	4:27	0.02	0.00	0.00	0.00	0
278214 1:10	12/12/97	5:06	0.02	0.00	0.00	0.00	0
278215 1:10	12/12/97	5:45	0.02	0.00	0.00	0.01	0
278218 1:5	12/12/97	6:24	0.02	0.00	0.01	0.01	0
AR1254 #3	12/12/97	7:03	0.03	0.01	0.00	0.01	0
AR1254 #3	12/13/97	11:52	0.00	0.00	0.00	0.00	0
278219 1:5	12/13/97	17:24	0.00	0.00	0.03	0.01	0
278220 1:5	12/13/97	18:03	0.04	0.01	0.06	0.02	0
278221 1:5	12/13/97	18:42	0.04	0.02	0.07	0.03	0
278222 1:5	12/13/97	19:21	0.04	0.02	0.06	0.02	0
278226 1:5	12/13/97	19:59	0.04	0.02	0.06	0.03	0
278227 1:5	12/13/97	20:38	0.04	0.02	0.06	0.03	0
278228 1:10	12/13/97	21:17	0.04	0.02	0.06	0.03	0
278229 1:5	12/13/97	21:56	0.04	0.02	0.06	0.03	0
278230 1:10	12/13/97	22:35	0.04	0.02	0.06	0.03	0
278232 1:10	12/13/97	23:14	0.04	0.02	0.06	0.03	0
AR1254 #3	12/13/97	23:53	0.04	0.02	0.05	0.03	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7396
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: SOIL

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/11/97	10:17	0.00	0.00	0.00	0.00	0
BLANK	12/11/97	13:42	0.00	0.00	0.01	0.01	0
278233 S	12/11/97	14:50	0.02	0.01	0.04	0.01	0
278233 SD	12/11/97	15:24	0.02	0.00	0.03	0.01	0
AR1660 #3	12/11/97	18:13	0.02	0.00	0.05	0.02	0
AR1254 #3	12/13/97	11:55	0.00	0.00	0.00	0.00	0
278233 1:5	12/13/97	17:25	0.00	0.00	0.01	0.00	0
278234 1:5	12/13/97	17:59	0.02	0.00	0.05	0.01	0
278235 1:5	12/13/97	18:33	0.03	0.01	0.05	0.01	0
278236 1:10	12/13/97	19:07	0.03	0.01	0.05	0.02	0
278237 1:10	12/13/97	19:41	0.03	0.01	0.05	0.01	0
AR1254 #3	12/13/97	23:05	0.03	0.01	0.05	0.01	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

ICM LABORATORIES QUALITY CONTROL REPORT

PCB EVALUATION STANDARDS SUMMARY
Evaluation of Retention Time Shift for TCMX

BATCH NUMBER: QPC7403
INSTRUMENT ID: 5890-5
GC COLUMNS USED: RTX-50
RTX-1701
METHOD: 8080
MATRIX: AQUEOUS

SAMPLE NUMBER	DATE ANALYZED	TIME ANALYZED	TCMX SHIFT RTx-50	TCMX SHIFT RTx-1701	DCB SHIFT RTx-50	DCB SHIFT RTx-1701	# OUTSIDE QC LIMITS
AR1254 #3	12/13/97	23:05	0.00	0.00	0.00	0.00	0
BLANK	12/14/97	1:20	0.00	0.00	0.00	0.00	0
278238	12/14/97	1:54	0.00	0.00	0.00	0.00	0
BLANK SPIKE	12/14/97	3:01	0.00	0.00	0.01	0.00	0
BLANK SPIKE DUP	12/14/97	3:35	0.00	0.00	0.00	0.00	0
AR1254 #3	12/14/97	5:16	0.00	0.00	0.01	0.01	0

* = Outside QC Limits
D = No Recovery; Surrogates diluted out of sample.

Retention Time Shift QC Limit
TCMX - Tetrachloro-m-xylene : 0.05 min
DCB - Decachlorobiphenyl : 0.10 min

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Bay f. weston) Batch #: QPC 7396

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	R	10ml	12/5	SW	12/5	12/5			
	278120 S										
	↓ SD										
1	278120										
2	278121										
3	278122										
4	278123										
5	278124										
6	278125										
7	278126										
8	278127										
9	278128										
10	278129										
11	278130										
12	278131										
13	278132										
14	278133										
15	278134										
16	278135										
17	278136										
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2ml/s	@ 0.2 ppm	1-E-121-3
SPIKE	1ml	@ 10ppm	1-E-120-4
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
A T Halpern	[illegible]	M. Barron	12/7/97	19:00	for analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG #_____ VTSR_____

1115

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Roy P. Weston) Batch #: QPC 7391

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	309	R	10ml	12/6	IP	12/7	SW			
	278137 S										
	SD										
1	278140										
2	278141										
3	278142										
4	278143										
5	278144										
6	278145										
7	278146										
8	278147										
9	278148										
10	278149										
11	278150										
12	278151										
13	278152										
14	278153										
15	278137										
16	278138										
17	278139										
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2ml	0.2ppm	1-E-121-3
SPIKE	1ml	10ppm	1-E-120-4
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	M. Baron	12/8/97	12:00	For analysis

Matrix: (Soil) Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid (Sonication) Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; (YES) NO (circle one) Sulfer; (YES) NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

1116

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Roy F. Weston) Batch #: QRC7392

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	R	10ml	12/6	[illegible]	12/7	SW			
	278154 S										
	↓ SD										
1	278154										
2	278155										
3	278156										
4	278157										
5	278158										
6	278159										
7	278160										
8	278161										
9	278162										
10	278163										
11	278164										
12	278165										
13	278166										
14	278167										
15	278168										
16	278169										
17	278170										
18	278171										
19	278172										
20	278173										

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2ml's	@ 0.2ppm	1-E-121-3
SPIKE	1ml	@ 10ppm	1-E-120-4
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	M. Baron	12/8/97	12:00	For analysis

Matrix: (Soil) Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid (Sonication) Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; (YES) NO (circle one) Sulfer; (YES) NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

1117

Industrial Corrosion Management
Sample Preparation Log

Description: RGB Soil (Roy f. weston) Batch #: QPC7393

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	R	10ml	12/8	ATV	12/8	MJ			
	278174 S										
	SD										
1	278175										
2	278176										
3	278177										
4	278178										
5	278179										
6	278180										
7	278181										
8	278182										
9	278183										
10	278184										
11	278185										
12	278186										
13	278187										
14	278188										
15	278189										
16	278190										
17	278191										
18	278192										
19	278193										
20	278174										

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2 ml/s	@ 0.2ppm	1-E-121-3
SPIKE	1 ml	@ 10ppm	1-E-120-4
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
AT Hanferson	[signature]	M Barron	12/9/97	12:00	for analysis

Matrix: (Soil) Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid (Sonication) Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; (YES) NO (circle one) Sulfer; (YES) NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

1118

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil Clay f. wetland

Batch #: QPC 7394

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	8	10ml	12/9	SW	12/9	MEZ			
	278207S										
	↓ SD										
1	278194										
2	278195										
3	278196										
4	278197										
5	278198										
6	278199										
7	278200										
8	278201										
9	278202										
10	278203										
11	278204										
12	278205										
13	278206										
14	278207										
15	278208										
16	278209										
17	278210										
18	278211										
19	278212										
20	278213	↓	↓	↓	↓	↓	↓	↓			

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2 mls	@ 0.2ppm	1-E-121-3
SPIKE	1 ml	@ 100ppm	1-E-120-4
SPIKE DUP.	↓	↓	

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	[illegible]	12/10/97	17:00	For Analysis

Matrix: (Soil) Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid (Sonication) Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; (YES) NO (circle one) Sulfer; (YES) NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

C 1119

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Roy F. Weston) Batch #: QPC 7395

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	R	10ml	12/9	SW	12/9	MEZ			
	278220 S										
	SD										
1	278220										
2	278221										
3	278222										
4	278223										
5	278224										
6	278225										
7	278226										
8	278227										
9	278228										
10	278229										
11	278230										
12	278231										
13	278232										
14	278214										
15	278215										
16	278216										
17	278217										
18	278218										
19	278219										
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2mls	@0.2ppm	1-E-121-3
SPIKE	1ml	@10ppm	1-E-120-4
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[signature]	[signature]	[signature]	12/10/97	17:00	for Analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG #_____ VTSR_____

1120

Form filename: PREPLOG.EXT

Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Roy F. Weston) Batch #: QPC7396

	Sample #	Sample Wt. or Volume	Turn Around	MI. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	30g	R	10x	12/9	SW	12/9	MEZ			
	27x233 S	↓	↓	↓	↓	↓	↓	↓			
	↓ SD	↓	↓	↓	↓	↓	↓	↓			
1	[redacted]	↓	↓	↓	↓	↓	↓	↓			
2	[redacted]	↓	↓	↓	↓	↓	↓	↓			
3	[redacted]	↓	↓	↓	↓	↓	↓	↓			
4	[redacted]	↓	↓	↓	↓	↓	↓	↓			
5	[redacted]	↓	↓	↓	↓	↓	↓	↓			
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2 ml/s	@0.2ppm	1-E-721-3
SPIKE	1 ml/s	@10ppm	1-E-120-4
SPIKE DUP.	↓	↓	↓

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[signature]	[signature]	[signature]	12/10/97	17:00	Transfer to Lab

Matrix: (Soil) Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid (Sonication) Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; (YES) NO (circle one) Sulfer; (YES) NO (circle one)

SDG #_____ VTSR_____

Form filename: PREPLOG.EXT

1121

Industrial Corrosion Management
Sample Preparation Log

Description: PCB H_2O

Batch #: APC 7403

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Inl.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q B	1000 ml	R	10 ml	12/9	MG	12/11	MG			
	B S	↓	↓	↓	↓	↓	↓				
	B SD	↓	↓	↓	↓	↓	↓				
1	[redacted]	↓	↓	↓	↓	↓	↓				
2	278463	↓	↓	↓	↓	↓	↓				
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2 ml	@ 2 ppm	1-E-
SPIKE	1 ml	@ 10 ppm	1-E-
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	[illegible]			For Analysis

Matrix: Soil Water Sludge Waste Dilution Other _____
(Circle one)

Extraction Method: Seperatory Funnel Liquid/Liquid Sonication Soxhlet Other _____
(Circle one)

CLEAN UP: Acid; YES NO (circle one) Sulfer; YES NO (circle one)

SDG #_____ VTSR_____

C 1122

DCC 01

Form filename: PREPLOG.EXT

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50
Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 11/16/97 to _____

Method Name: PCB-5

Sequence Name: 5890-5.S

GC Temp. Program: 150°C (0.5 min) 6.5°C/min 275°C (10.67 min)

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
AR1660 #1	EH1158	11/16/97			1			NG
Ar1660 #2	1159		23:59		2			
AR1660 #3	1160	11/17/97	0033		3			
Ar 1660 #4	1161		0107		4			
Ar 1660 #5	1162				5			NG
Ar 1254 #1	1163				6			↓
Ar 1254 #2	1164		0249		7			
Ar 1254 #3	1165		0323		8			
Ar 1254 #4	1166		0357		9			
Ar 1254 #5	1167		0431		10			
Ar 1248 #1	1168		0505		11			
Ar 1248 #2	1169		0539		12			
Ar 1248 #3	1170		0613		13			
Ar 1248 #4	1171		0647		14			
Ar 1248 #5	1172		0721		15			
Ar 1242 #1	1173		0754		16			
Ar 1242 #2	1174		0828		17			
Ar 1242 #3	1175		0902		18			
Ar 1242 #4	1176		0936		19			
Ar 1242 #5	1177		1010		20			
~~Ar 1242 #5~~	~~1178~~				~~21~~			[illegible]
Ar 1232 #1	1178		1325		1			
Ar 1232 #2	1179		1359		2			
Ar 1232 #3	1180		1432		3			
Ar 1232 #4	1181		1507		4			
Ar 1232 #5	1182		1541		5			
Ar 1221 #1	1183				6			NG
Ar 1221 #2	1184	11/17/97	1649		7			
Ar 1221 #3	1185		1723		8			
Ar 1221 #4	1186		1757		9			
Ar 1221 #5	1187				10			NG

1123

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: _____ to _____

Method Name: PCB5.M / HERB5.M

Sequence Name: 58905.S

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
A. 1660 #1	EA 1188	11/18/97	08:27					
A. 1660 #5	1189		0901					
A. 1254 #1	1190		0936					
A. 1254 #5	1191							NG
A. 1221 #5	1192		1045					
A. 1221 #1	1193							RECUN NG
Herb #3	1194							HERB.5.M
AHT358 276361	1195							
276362	1196							
FIB/M	1197							
Herb #3	1198							
Aroclor #1	1199	11/19/97	0836					

Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx - 50

Column Channel 2: RTx - 1701

Volume Injected (µl): 2

Dates of Analysis: 12/7/97 to 12/8/97

Method Name: PCB.5.m

Sequence Name: 5890-5.5

GC Temp. Program: _____

Analyst: [signature]

Supervisor: M. Baron

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
AR1660 #3	EA1569	12/7/97	19:23		1			RERUN 1260 416 M
AR1221 #3	1570		19:57		2			
AR1232 #3	1571		20:31		3			
AR1242 #3	1572		21:05		4			
AR1248 #3	1573		21:39		5			
AR1254 #3 ok	1574		22:13		6			
AR1660 #3	1575		22:47		1			
PC7390 BLANK	1576		23:21		7			
278120	1577		23:55		8			RERUN 1:5
278120 S	1578	12/8/97	00:38		9			
278120 SD	1579		01:02		10			
278121	1580		01:36		11			RERUN 1:5
278122	1581		02:10		12			RERUN 1:5
[redacted]	1582		02:43		13			
278124	1583		03:17		14			RERUN 1:10
[redacted]	1584		03:50		15			
[redacted]	1585		04:24		16			
AR1254 #3 ok	1586		04:57		17			OK
PC7390 [redacted]	1587		05:30		18			
[redacted]	1588		06:04		19			
278129	1589		06:38		20			RERUN 1:10
278130	1590		07:12		21			RERUN 1:10
278131	1591		07:46		22			RERUN 1:20
278132	1592		08:19		23			RERUN 1:10
278133	1593		08:53		24			RERUN 1:10
[redacted]	1594		09:27		25			
[redacted]	1595		10:01		26			
[redacted]	1596		10:35		27			
AR1254 #3 ok	1597		11:57		28			OK
PC7389 278328	1598		12:44		1			RERUN 1:10
278330	1599		13:18		2			
278111 1:10	1600		13:52	10	3			

1125

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50
Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/8/97 to 12/9/97

Method Name: PCB-5

Sequence Name: 5890.5.5

GC Temp. Program: _____

Analyst: [illegible]

Supervisor: [illegible]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7389 278329 1:50	EA1601	12/8/97	14:25	50	4			
QPC7390 [redacted]	1602		14:59	5	5			
[redacted]	1603		15:33	5	6			
[redacted]	1604		16:07	5	7			
[redacted]	1605		16:41	10	8			
[redacted]	1606		17:15	10	9			
[redacted]	1607		17:49	10	10			
AR1254 #3	1608		18:25		11			
QPC7390 [redacted]	1609		18:59	20	12			
[redacted]	1610		19:33	10	13			
[redacted]	1611		20:07	10	14			
QPC7385 278328 1:10	1612		20:41	10	15			
QPC7368 BLANK ~~278075~~ II	1613		21:14		16			
278075	1614		21:48		17			
278076	1615		22:21		18			
278077	1616		22:54		19			
QPC7374 BLANK III	1617		23:28		20			
277581	1618	12/9/97	00:01		21			RERUN 1:10
AR1254 #3 ~~277587~~	1619		00:35		22			
QPC7374 277587	1620		01:08		23			RERUN 1:20
277592	1621		01:42		24			RERUN 1:5 ~~[illegible]~~
277594	1622		02:15		25			RERUN 1:10
277609	1623		02:49		26			
QPC7388 BLANK	1624		03:22		27			
278085	1625		03:55		28			RERUN LOW SURR.
278086	1626		04:29		29			RERUN SULFUR LOW SURR
278087	1627		05:03		30			1:10
278088	1628		05:37		31			LOW SURROGATE
278089	1629		06:10		32			
AR1254 #3	1630		07:51		33			
QPC7388 278090	1631		08:25		34			RERUN LOW SURR
28091	1632		08:59		35			

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50

Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/10/97 to 12/11/97

Method Name: PCB-5.m

Sequence Name: 5890_5.S

GC Temp. Program: _____

Analyst: [signature]

Supervisor: M. Baron

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7391 278137 SD	EA1665	12/10/97	07:11		31			RERUN
278138	1666		07:45		32			
278139	1667		08:19		33			
278140	1668		08:53		34			
278141	1669		09:27		35			
278142	1670		10:01		36			
278143	1671		10:35		37			
AR1254 93 278120	1672		11:18		1			ok
QPC7388 278085 1:5	1673		11:52	5	2			
278099	1674		12:26		3			
278101	1675		13:00		4			
278088	1676		13:34		5			RERUN 1:10
278090	1677		14:08		6			RERUN 1:10
278092 1:10	1678		14:42	10	7			
278093 1:10	1679		15:16	10	8			
278094 1:5	1680		15:50	5	9			
278098 1:10	1681		16:24	10	10			
278088 1:10	1682		16:57	10	11			
AR1254 93 ok	1683		17:31		12			ok
QPC7391 [illegible] ok	1684		18:05		13			
QPC7388 278090 1:10	1685		18:39	10	14			
QPC7391 [illegible]	1686		19:13		15			
[redacted]	1687		19:47		16			
[redacted]	1688		20:20		17			
[redacted]	1689		20:54		18			
[redacted]	1690		21:27		19			
278142	1691		22:01		20			RERUN 1:5
278143	1692		22:35		21			RERUN 1:5
278144	1693		23:08		22			RERUN 1:5
[redacted] ok	1694		23:42		23			ok
QPC7391 278145	1695	12/11/97	00:15		24			RERUN 1:10
278146	1696		00:48		25			RERUN 1:5

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PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50
Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/11/97 to 12/12/97

Method Name: PCB-5.M

Sequence Name: 5890-5.S

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7391 278147	EM1697	12/11/97	01:22		26			rerun 1:5
278148	1698		01:55		27			rerun 1:10
278149	1699		02:29		28			rerun 1:10
278150	1700		03:02		29			rerun 1:5
[redacted]	1701		03:35		30			
[redacted]	1702		04:09		31			
[redacted]	1703		04:42		32			
AR1254 #3 ok	1704		05:16		33			No form
AR1254 #3 ok	1705		10:17		1			ok
QPC7368 BLANK III	1706		12:03		2			
278336	1707		12:37		3			
QPC7396 BLANK	1708		13:42		4			
278233	1709		14:16		5			DL :1:5
278233 S	1710		14:50		6			
278233 SD	1711		15:24		7			
278234	1712		15:58		8			DL 1:5
278235	1713		16:32		9			DL 1:5
278236	1714		17:06		10			DL 1:10
278237	1715		17:40		11			DL 1:10
AR1660 #3	1716		18:13		12			ok RTx-50 NG
[redacted]	1717		18:47		13			
[redacted]	1718		19:21		14			
[redacted]	1719		19:55		15			
[redacted]	1720		20:29		16			
[redacted]	1721		21:03		17			
[redacted]	1722		21:37		18			
[redacted]	1723		22:11		19			
[redacted]	1724		22:44		20			
[redacted]	1725		23:18		21			
QPC7394 BLANK	1726	12/12/97	00:59		22			
AR1254 #3 ok	1727		01:33		23			ok
QPC7394 [redacted]	1728		02:06		24			ok

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Industrial Corrosion Management
GC Instrument Log

duplicate page

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50
Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/11/97 to 12/12/97

Method Name: PCB-5.m

Sequence Name: 5890-5.5

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7391 278147	EM1697	12/11/97	01:22		26			RERUN 1:5
278148	1698		01:55		27			RERUN 1:10
278149	1699		02:29		28			RERUN 1:10
278150	1700		03:02		29			RERUN 1:5
278151	1701		03:35		30			
278152	1702		04:09		31			
278153	1703		04:42		32			
AR1254 #3	1704		05:16		33			
AR1254 #3	1705		10:17		1			ok
QPC7368 BLANK III	1706		12:03		2			
278336	1707		12:37		3			
QPC7396 BLANK	1708		13:42		4			
278233	1709		14:16		5			DL 1:5
278233 S	1710		14:50		6			
278233 SD	1711		15:24		7			
278234	1712		15:58		8			DL 1:5
278235	1713		16:32		9			DL 1:5
278236	1714		17:06		10			DL 1:10
278237	1715		17:40		11			DL 1:10
AR1660 #3	1716		18:13		12			ok
QPC7391 278142 1:5	1717		18:47		13			
278143 1:5	1718		19:21		14			
278144 1:5	1719		19:55		15			
278145 1:10	1720		20:29		16			
278146 1:5	1721		21:03		17			
278147 1:5	1722		21:37		18			
278148 1:10	1723		22:11		19			
278149 1:10	1724		22:44		20			
278150 1:5	1725		23:18		21			
~~QPC7394 BLANK~~	1726	12/12/97	00:59		22			
~~AR1254 #3~~	1727		01:33		23			ok
~~QPC7394 278194~~	1728		02:06		24			ok

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_5

Column Channel 1: RT. -50
Column Channel 2: RT. -1701

Volume Injected (µl): 2

Dates of Analysis: 12/12/97 to 12/13/97

Method Name: PCB-5

Sequence Name: 5890_5.5

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7394 278195	EN1729	12/12/97	02:39		25			11.48? DL 1:5
278196	1730		03:13		26			
278197	1731		03:46		27			
278198	1732		04:19		28			
278199	1733		04:53		29			
278200	1734		05:27		30			DL ~~1:15~~ 1:5
278201	1735		06:01		31			
278202	1736		06:34		32			DL 1:10
278203	1737		07:07		33			
AR1254 #3 Ok	1738		08:44		34			ok
QPC7404 278634	1739		09:23		35			RERUN SULFUR
QPC7394 278205	1740		09:57		36			DL 1:5
278206	1741		10:31		37			?
278207	1742		11:05		38			DL 1:5
278207 Spike	1743		11:39		39			
278207 Spike Dup	1744		12:13		40			
278208	1745		12:46		41			
278209	1746		13:20		42			DL 1:5
278210	1747		13:54		43			DL 1:10
278211	1748		14:27		44			DL 1:5
AR1254 #3 Ok	1749		18:31		45			ok
QPC7394 278212	1750		19:05		46			
278213	1751		19:39		47			
278204	1752		20:12		48			
AR1254 #3 Ok	1753	12/13/97	11:55		49			ok
QPC7396 278233 1:5	1754		17:25	5	1			ok
278234 1:5	1755		17:59	5	2			
278235 1:5	1756		18:33	5	3			
278236 1:10	1757		19:07	10	4			
278237 1:10	1758		19:41	10	5			
QPC7394 278195 1:5	1759		20:15	5	6			
278200 1:5	1760		20:49	5	7			

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Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-5D

Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/13/97 to 12/14/97

Method Name: PCB-5.M

Sequence Name: 5890_5.S

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7394 278202 1:10	EA1761	12/13/97	21:23		8			
278205 1:5	1762		21:57		9			
278207 1:5	1763		22:31		10			
Ar 1254 #3	1764		23:05		11			
QPC7394 278209 1:5	1765		23:38		12			
278210 1:100	1766	12/14/97	00:12		13			
278211 1:50	1767		00:46		14			
QPC7403 Blank	1768		01:20		15			
278238	1769		01:54		16			
278463	1770		02:28		17			
Blank Spike	1771		03:01		18			
Blank Spike Dup	1772		03:35		19			
QPC7353 Blank	1773		04:09		20			
278094 12/15/97	1774		04:42		21			
Ar 1254 #3	1775		05:16		22			No [illegible]

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_5

Column Channel 1: RTx-50

Column Channel 2: RTx-1701

Volume Injected (µl): 2

Dates of Analysis: 12/16/97 to 12/18/97

Method Name: PCB.5.m

Sequence Name: 5890-5.S

GC Temp. Program:

Analyst:

Supervisor:

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
AR1660 #3	EA1808	12/16/97	02:52		32			
AR1660 #3	1809	12/17/97	10:25		1			
AR1254 #3	1810		10:59		2			
QPC7344 BLANK II	1811		12:00		3			
278045	1812		12:34		4			
278044	1813		13:08		5			
QPC7410 BLANK	1814		14:49		6			
QPC7403 BLANK II	1815		15:29		7			
279076	1816		16:02		8			
279077	1817		16:36		9			
279078	1818		17:10		10			
279079	1819		17:44		11			
QPC7410 279143	1820		18:18		12			RERUN SULFUR
AR1248 #3 OK	1821		18:52		13			OK
QPC7410 279144	1822		19:25		14			RERUN SULFUR
QPC7391 278137	1823		21:06		15			
278137-5D	1824		21:40		16			
QPC7410 279161	1825		22:14		17			
279163	1826		22:47		18			
279164	1827		23:21		19			
279160	1828		23:54		20			
279166	1829	12/18/97	00:28		21			
279169	1830		01:01		22			
279171	1831		01:35		23			RERUN SULFUR
AR1254 #3 OK	1832		03:11		24			OK
QPC7410 279168	1833		03:44		25			
279168S	1834		04:18		26			
279168SD	1835		04:52		27			
279167	1836		05:25		28			
279162	1837		05:59		29			
279165	1838		06:33		30			RERUN 1:10
279159	1839		07:06		31			

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Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50

Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: _____ to _____

Method Name: 8080-2.M

Sequence Name: 5890-2.S

GC Temp. Program: _____

Analyst: L. Gober

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPP7286 274519	BA0118	10/27/17	04:25		20			
274519 Spike	119		05:04		21			
274519 Spike Dup	120		05:44		22			
Ar 1221 #3	121		06:22		23			
Pest Mix A #1	122		18:37		1			
Pest Mix A #2	123		19:15		2			
Pest Mix A #3	124		19:54		3			
Pest Mix A #4	125		20:33		4			
Pest Mix A #5	126		21:11		5			
Pest Mix B #1	127		21:50		6			
Pest Mix B #2	128		22:28		7			
Pest Mix B #3	129		23:07		8			
Pest Mix B #4	130	↓	23:46		9			
Pest Mix B #5	131	10/28/17	00:24		10			
Ar 1248 #1	132		01:03		11			
Ar 1248 #2	133		01:41		12			
Ar 1248 #3	134		02:20		13			
Ar 1248 #4	135		02:58		14			
Ar 1248 #5	136		03:37		15			
Ar 1242 #1	137		04:16		16			
Ar 1242 #2	138		04:54		17			
Ar 1242 #3	139		05:33		18			
Ar 1242 #4	140		06:12		19			
Ar 1242 #5	141		06:51		20			
Ar 1221 #2	142		07:30		21			
Ar 1221 #1	143		08:09		22			
Ar 1221 #3	144		08:48		23			
Ar 1221 #4	145		~~10:06~~ 09:27		24			
Ar 1221 #5	146		10:06		25			
Ar 1232 #1	147		10:45		26			
Ar 1232 #2	148		11:24		27			
Ar 1232 #3	149	↓	12:03		28			

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Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: _____ to _____

Method Name: 8080-2.M

Sequence Name: 5890-2.S

GC Temp. Program: _____

Analyst: L. Gober

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
Ar 1232 #4	BA0150	10/28/17	12:42		29			
Ar 1232 #5	151		13:21		30			
Ar 1660 #1	152		17:12		31			NG
Ar 1660 #2	153		17:51		32			
Ar 1660 #3	154		18:30		33			
Ar 1660 #4	155		19:09		34			
Ar 1660 #5	156		19:48		35			
Ar 1254 #1	157		20:27		36			
Ar 1254 #2	158		21:06		37			
Ar 1254 #3	159		21:45		38			
Ar 1254 #4	160		22:24		39			
Ar 1254 #5	161		23:03		40			
Tox #1	162		23:42		41			
Tox #2	163	10/29/17	00:20		42			
Tox #3	164		00:59		43			
Tox #4	165		01:38		44			
Tox #5	166		02:17		45			
Chlor #1	167		02:55		46			
Chlor #2	168		03:34		47			
Chlor #3	169		04:13		48			
Chlor #4	170		04:52		49			
Chlor #5	171		05:31		50			

[signature] 11/6/17

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Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: ~~TCMX~~ DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 11/17/97 to _____

Method Name: 8080-2.m

Sequence Name: 5890-2.S

GC Temp. Program: _____

Analyst: L. Gibson

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
Pest Eval	BA0465	11/17/97	13:18		1			
Pest Mix A #3	466		14:07		2			
Pest Mix B #3	467		14:46		3			
Ar 1660 #3	468		15:25		4			
Ar 1221 #3	469		16:04		5			
Ar 1232 #3	470		16:43		6			
Ar 1242 #3	471		17:22		7			
Ar 1248 #3	472		18:01		8			
Ar 1254 #3	473		18:40		9			
Tox #3	474		19:19		10			
Chlor #3	475		19:58		11			
Mirex #3	476		20:37		12			
Pest Mix A #1	477		21:16		13			
Pest Mix A #2	478		21:55		14			
Pest Mix A #4	479		22:34		15			
Pest Mix A #5	480	11/18/97	10:19		16			
Pest Mix B #1	481		11:10		17			
Pest Mix B #2	482		11:51		18			
Pest Mix B #4	483		12:29		19			
Pest Mix B #5	484		13:08		20			
Ar 1660 #1	485		13:49		21			
Ar 1660 #2	486		14:28		22			
Ar 1660 #4	487		15:06		23			
Ar 1660 #5	488		15:45		24			
Pest Mix B #5	489		16:24		25			
		TDS	11/19/97					

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Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/8/17 to 12/9/17

Method Name: 8082-2.M/PCB2.M

Sequence Name: 5890-2.S

GC Temp. Program: 150(0.5) 60→275(13.67)

Analyst: L. Gober

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
Ar 1660 #3 Ole	BA0766	12/8/17	12:48		1			ok
Ar 1221 #3	767		13:26		2			ok
Ar 1232 #3	768		14:05		3			ok
Ar 1242 #3	769		14:44		4			ok
Ar 1248 #3 Ole	770		15:23		5			ok
Ar 1254 #3	771		16:02		6			ok RTX-50 NG
QPC 7383 Blank	772		~~18:05~~ 17:26		7			
F1 Blank	773		~~18:44~~ 18:05		8			
277450	774		18:44		9			
277450 Spike	775		19:23		10			
277450 Spike Dup	776		20:02		11			
QPC 7392 Blank	777		20:41		12			
278154	778		21:20		13			1254
278155	779		21:59		14			
278156	780		22:37		15			
278157	781		23:16		16			DL 1:10
Ar 1254 #3	782		23:55		17			ok RTX-50 NG
QPC 7392 278158	783	12/9/17	00:58		18			1254 DL 1:10
278159	784		01:12		19			
278160	785		01:50		20			
278161	786		02:29		21			1254-1248? DL 1:10
278162	787		03:07		22			1254 DL 1:5
278163	788		03:46		23			
278164	789		04:24		24			DL 1:5
278165	790		05:03		25			DL 1:20
278166	791		05:42		26			? Re Run Purpose Carryover
278167	792		06:21		27			?
Ar 1254 #3	793		06:59		28			ok RTX-50 NG
QPC 7392 278168	794		07:38		29			1254
278169	795		08:17		30			
278170	796		08:56		31			
278171	797		09:35		32			

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Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/9/97 to 12/10/97

Method Name: 8080.2.M / PCB.2.M

Sequence Name: 5890_2.5

GC Temp. Program: 150(0.5) 60→275 (13.67)

Analyst: L Gober

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
~~QPC7392 278172~~	BA0798	12/9/97	10:13		33			1254
~~278173~~	799		10:52		34			
278154 Spike	800				35			
278154 Spike Dup	801				36			
PEST MIX A #3	802		15:43		1			OK
PEST MIX B #3	803		16:22		2			OK
Ar 1254	804		19:13					OK RTX-50 1pk NG
Chlordane #3	805		19:52					OK
QPC7375 Blank II	806		20:30					
278076	807		21:40					DL 1:50
278075	808		21:49					DL 1:20
278077	809		22:28					DL 1:10.
QPC7393 Blank	810		23:06					12'
278174	811		23:45					~~1248~~ 1254
278175	812	12/10/97	00:24					DL 1:10
278176	813		01:02					
278177	814		01:41					
278178	815		02:20					DL 1:10
Ar 1248 #3	816		02:59					
QPC7393 278179	817		03:38					DL 1:10
278180	818		04:17					
278181	819		04:56					
278182	820		05:34					
278183	821		06:13					
278184	822		06:52					
~~78~~ 278185	823		07:31					
278186	824		08:10					
278187	825		08:49					
278188	826		09:28					
~~Ar 1660 #3~~	~~827~~							[illegible]
~~QPC7375 278075~~								[illegible]

PC_GC_5: C:\EXCEL\INJLOG.XLS

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Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50

Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/10/17 to 12/11/17

Method Name: 808-2.m/PCB2.m

Sequence Name: 5890_2.S

GC Temp. Program: 150(0.5) 4 275(13.7)

Analyst: L. Cobar

Supervisor:

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
A. 1660 #3	BA0827	12/10/17	10:28		26			OK
GPP7375 2780761:50	828		11:17	50	27			
278075 1:20	829		11:56	20	28			
278077 1:10	830		12:35	10	29			
TOX #3	831		13:14		30			
A. 1254 #3	832		15:19		31			OK RTX-50 NG
GPC7392 278157 1:10	833		15:58	10	32			
278158 1:10	834		16:37	10	33			
278161 1:20	835		17:16	10	34			
278162 1:5	836		17:55	5	35			
278164 1:5	837		18:34	5	36			
278165 1:20	838		19:12	20	37			
278166	839		19:51		38			
GPC7393 278175 1:10	840		20:30	10	39			
278178 1:10	841		21:08	10	40			
278180 1:10	842		21:47	10	41			
A. 1248 #3	843		22:26		1			OK
GPC7393 278181	844		23:04		2			1254 - ~~1016~~
278172	845		23:43		3			
278189	846	12/11/17	00:22		4			
278190	847		01:01		5			
278193	848		01:39		6			DL 1:20
278174 Spike	849		02:18		7			
278174 SpikeDup	850		02:56		8			
A. 1660 #3	851		03:35		9			OK Not needed
A. 1254 #3	852		10:51		1			OK RTX-50 NG
GPC7393 278195 1:20	853		11:47	20	2			
GPC7395 Blank	854		12:26		3			
278214	855		13:05		4			DL 1:10
278215	856		13:44		5			DL 1:10
278216	857		14:23		6			
278217	858		15:02		7			

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/11/17 to 12/12/17

Method Name: 8080-2.M / PCB-2.M

Sequence Name: 5890-2.S

GC Temp. Program: 150 (0.5) 60 → 275 (13.67)

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7395 278218	BAD859	12/11/17	15:41		8			DL 1:5
278219	860		16:20		9			DL 1:5
278220	861		16:59		10			DL 1:5
278221	862		17:38		11			DL 1:5
~~A-1248 #3 Ok~~	~~863~~		18:17		12			OK
QPC7395 278222	864		18:56		13			DL 1:5
278223	865		19:35		14			
278224	866		20:14		15			
278225	867		20:53		16			
278226	868		21:31		17			DL 1:5
278227	869		22:10		18			~~[illegible]~~ DL 1:5
278228	870		22:49		19			DL 1:10
278229	871		23:28		20			DL 1:5
278230	872	12/12/17	00:07		21			DL 1:10
278231	873		00:46		22			
~~A-1660 #3 Ok~~	~~874~~		02:31		23			OK
QPC7395 278232	875		03:10		24			DL 1:10
278220 Spike	876		03:48		25			
278220 SpikeDup	877		04:27		26			
278214 1:10	878		05:06	10	27			
278215 1:10	879		05:45	10	28			
278218 1:5	880		06:24	5	29			
AR1254 #3	881		07:03		30			OK RTX-50 NG; NO [illegible]
QPC7404 278633	882		09:14		1			
BLANK	883		10:46		2			
278634	884		11:25		3			
278634 Spike	885		12:26		4			
278634 SpikeDup	886		13:05					
278654	887		13:44					
A-1660 #3	888		18:31					OK
			[illegible] 12/13/17					

PC_GC_5: C:\EXCEL\INJLOG.XLS

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Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50

Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/13/97 to 12/15/97

Method Name: 8080-2.m/PCB-2.m

Sequence Name: 5890-2.s

GC Temp. Program: 60 (150 (0.5)) 275 (13 (7))

Analyst:

Supervisor:

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
~~Ac-1254 #3~~	~~BA0889~~	12/13/97	11:52		1			ok
QPC7395 277279 1:5	890		17:24		1			
273220 1:5	891		18:03		2			
278224 1:5	892		18:42		3			
278222 1:5	893		19:21		4			
278226 1:5	894		19:59		5			
278227 1:5	895		20:38		6			
278228 1:10	896		21:17		7			
278229 1:5	897		21:56		8			
278230 1:10	898		22:35		9			
~~A-1254 #3~~	~~899~~				1			~~rerun~~
278232 1:10	899		23:14		10			
Ac 1254 #3	900		23:53		11			ok RTX-50 NG
Pest Eval	901	12/14/97	14:52		1			ok
Pest Mix A #3	902		15:30		2			ok
Pest Mix B #3	903		16:09		3			ok
Chlor #3	904		16:48		4			ok
Tox #3	905		19:14		5			ok
QPT7372 FI Blank	906		19:53		6			
278633	907		20:32		7			
278634	908		21:11		8			
QPT7355 FI Blank	909		21:50		9			
278694	910		22:29		10			
QPP7375 Blank	911		23:08		11			
278693	912		23:47		12			
Pest Eval	913	12/15/97	00:26		13			ok
Chlor #3	914		01:05		14			ok

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PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other
(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/15/17 to 12/15/17

Method Name: 8080-2.M/PCB2M

Sequence Name: 5890-2.M

GC Temp. Program: _____

Analyst: [signature]

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
A. 1660 #3	BA0915	12/15/17	1:44		15			ok
A. 1221 #3	916		2:23		16			ok
A. 1232 #3	917		3:02		17			ok
A. 1242 #3	918		3:41		18			ok
A. 1248 #3	919		4:20		19			ok
A. 1254 #3	920		4:59		20			ok
QPC7406 Blank	921		5:38		21			
278391	922		6:16		22			
278392	923		6:55		23			1260 + 1254?
278393	924		7:34		24			
278394	925		8:13		25			
278395	926		8:52		26			
278396	927		9:31		27			
278397	928		10:10		28			
278398	929		10:49		29			DL ~~1:2~~ 1:5
278399	930		11:28		30			
A. 1254 #3	931		12:07		31			ok
QPC7406 278400	932		12:46		32			
278390	933		13:25		33			
278401	934		14:04		34			
278402	935		14:42		35			1248 + 1254
278403	936		15:21		36			
278404	937		16:00		37			
278405	938		16:39		38			DL 1:10
278406	939		17:18		39			
278407	940		17:57		40			
278408	941		18:36		41			
~~A. 1248 #3~~	942		19:15		42			ok
QPC7406 278409	943		19:54		43			
278401 Spike	944		20:33		44			
278401 Spike	945		21:12		45			
QPC7392 278154 Spike	946		21:51		46			

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management

GC Instrument Log

Evaluation of Retention Time Shift for: TCMX DCBP Other

(Circle One)

Instrument ID: 5890_2

Column Channel 1: RTX-50

Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 12/15/17 to _____

Method Name: 8880-2.m / PCB-2.M

Sequence Name: 8880-2.S

GC Temp. Program: _____

Analyst: T.P. [illegible]

Supervisor: [illegible]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Surr. RT Chan 1	Surr. RT Chan 2	Comments
QPC7392-278154SD	B10947	12/15/17	22:29		47			
A. 1248 #3 Blank	948	12/16/17	01:32		48			ok
Pest Eval	949		2:11		1			
Pest Mix A#3	950		2:50		2			
Pest Mix B#3	951		3:29		3			
QPP7332 Blank II	952		4:08		4			
QPP7337 Blank II	953		4:47		5			
277925	954		5:26		6			
QPP7382 278311	955		6:05		7			
278312	956		6:44		8			
278313	957		7:23		9			
278314	958		8:02		10			
278834	959				11			
278835	960				12			
278836	961				13			

PC_GC_5: C:\EXCEL\INJLOG.XLS

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: [signature] SUPERVISOR SIGNATURE: Anthony Troy Harkness

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
SW	12/8	278109	39	1.29	11.31	10.21	10.98
		278110	40	1.29	11.32	9.96	13.56
		278111	41	1.29	11.30	9.77	15.28
	DUP	278111	42	1.29	11.47	10.01	14.34
		278323	43	1.29	11.33	9.58	17.43
		278324	44	1.29	11.45	9.92	15.06
		278325	45	1.30	11.43	9.39	20.14
		278326	46	1.29	11.39	9.27	20.99
		278327	47	1.30	11.43	9.96	14.51
		278328	48	1.30	11.33	9.63	16.95
		278329	49	1.30	11.44	9.07	23.37
		278330	50	1.30	11.40	9.04	23.37
		278331	51	1.29	11.35	9.12	22.17
		278332	52	1.30	11.30	10.35	9.50
		278334	53	1.29	11.34	9.60	17.31
		278335	54	1.30	11.30	9.42	18.80
MQ	12/9	Blank	B	1.30	[illegible]	1.30	
		278120	1	1.30	6.73	5.20	28.18
		278121	2	1.30	6.47	4.79	32.50
		278122	3	1.29	6.82	5.30	27.49
		278123	4	1.29	6.87	5.40	26.34
		278124	5	1.29	6.54	4.84	32.38

%M

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: [illegible] SUPERVISOR SIGNATURE: [illegible]

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278125	6	1.30	6.98	5.48	26.41
		278126	7	1.30	6.79	5.68	20.22
		278127	8	1.29	6.98	4.30	47.10
		278128	9	1.30	6.43	5.34	21.25
		278129	10	1.30	6.50	5.03	28.27
		278130	11	1.29	6.48	4.98	28.90
		278131	12	1.29	6.49	3.89	50.00
		278132	13	1.29	6.45	4.50	37.79
		278133	14	1.31	6.36	4.90	28.91
		278134	15	1.29	6.30	5.10	23.95
		278135	16	1.30	6.57	5.59	18.60
		278136	17	1.30	6.69	5.24	26.90
		278137	18	1.30	6.41	5.36	20.55
		278138	19	1.29	6.79	6.16	11.45
		278139	20	1.30	6.99	5.88	19.51
		278140	21	1.29	6.47	5.34	21.81
		278140 Dup	22	1.30	6.61	5.35	23.73
		278141	23	1.29	6.92	5.81	19.72
		278142	24	1.29	6.33	5.09	24.60
		278143	25	1.29	6.77	5.48	23.54
		278144	26	1.30	6.47	4.29	42.17
		278145	27	1.29	6.50	5.19	25.14

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: [illegible] SUPERVISOR SIGNATURE: [illegible]

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278146	28	1.29	6.74	4.19	46.79
		278147	29	1.29	6.88	4.58	41.14
		278148	30	1.29	6.92	3.45	61.63
		278149	31	1.29	6.77	3.56	58.58
		278150	32	1.29	6.88	4.40	44.36
		278151	33	1.29	6.58	5.43	21.74
		278152	34	1.29	6.75	5.52	22.53
		278153	35	1.29	6.39	5.40	19.41
		278154	36	1.29	6.57	4.90	31.63
		278155	37	1.29	6.83	4.98	33.39
		278156	38	1.30	6.39	4.77	31.83
		278157	39	1.29	6.92	4.82	37.30
		278158	40	1.29	6.56	3.85	51.42
		278159	41	1.30	6.41	4.11	45.01
		278159 Dup	42	1.29	6.47	4.13	45.17
		278160	43	1.29	6.37	3.56	55.31
		278161	44	1.28	6.69	3.54	58.23
		278162	45	1.29	6.48	4.60	36.22
		278163	46	1.29	6.80	4.77	36.84
		278164	47	1.30	6.35	3.84	49.70
		278165	48	1.30	6.61	4.31	43.31
		278166	49	1.31	6.42	4.87	30.33

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: [signature] SUPERVISOR SIGNATURE: [signature]

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278167	50	1.29	6.46	4.76	32.88
		278168	51	1.30	6.37	4.82	30.57
		278169	52	1.31	6.34	4.84	29.82
		278170	53	1.31	6.69	5.65	19.33
		278171	54	1.31	6.43	5.77	12.89
		278172	55	1.30	6.57	5.81	14.42
		278173	56	1.29	6.37	5.93	8.66
		278174	57	1.28	6.88	3.39	62.32
		278175	58	1.29	6.78	4.41	43.17
		278176	59	1.28	6.46	3.18	63.32
		278177	60	1.29	6.64	3.96	50.09
		278178	61	1.29	6.42	4.19	43.47
		278179	62	1.30	6.49	4.42	39.88
		278180	63	1.29	6.57	4.16	45.64
		278180 Dup	64	1.28	6.95	4.46	43.92
		278181	65	1.29	6.69	4.06	48.70
		278182	66	1.28	6.74	6.18	10.26
		278183	67	1.28	6.57	5.40	22.12
		278184	68	1.28	6.87	4.18	48.12
		278185	69	1.29	6.47	5.20	24.52
		278186	70	1.29	6.75	4.74	36.81
		278187	71	1.28	6.37	5.25	22.00

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: [illegible] SUPERVISOR SIGNATURE: [illegible]

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278188	72	1.28	6.60	5.46	21.43
		278189	73	1.29	6.34	5.65	13.66
		278190	74	1.28	6.54	5.61	17.68
		278191	75	1.30	6.41	5.44	18.98
		278192	76	1.30	6.61	5.03	29.76
		278193	77	1.30	6.64	5.29	25.28
		278194	78	1.30	6.76	4.88	34.43
		278195	79	1.28	6.41	5.08	25.93
		278196	80	1.29	6.63	5.70	17.42
		278197	81	1.30	6.61	5.72	16.76
		278198	82	1.28	6.78	5.78	18.18
		278199	83	1.29	6.47	5.72	14.48
		278200	84	1.29	6.37	4.58	35.24
		278280	85	1.28	6.55	4.68	35.48
		278201	86	1.30	6.68	4.56	39.41
		278202	87	1.30	6.48	4.91	30.31
		278203	88	1.29	6.61	4.41	41.35
		278205	89	1.30	6.39	5.00	27.31
		278204	90	1.30	6.42	5.10	25.78
		278206	91	1.30	6.37	5.09	25.28
		278207	92	1.30	6.51	4.41	40.31
		278208	93	1.30	6.84	4.02	50.90

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: SUPERVISOR SIGNATURE:

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278209	94	1.29	6.53	4.28	42.94
		278210	95	1.30	6.51	3.89	50.29
		278211	96	1.30	6.81	4.33	45.01
		278212	97	1.29	6.48	4.83	31.79
		278213	98	1.28	6.67	4.62	38.03
		278214	99	1.30	6.42	4.07	45.90
		278215	100	1.30	6.78	3.42	61.31
		278216	101	1.29	6.58	5.32	23.82
		278217	102	1.29	6.58	5.72	16.26
		278218	103	1.29	6.37	4.90	28.94
		278219	104	1.29	6.79	4.05	49.82
		278220	105	1.29	6.34	4.23	41.78
		278220 Dup	106	1.30	6.59	4.31	43.10
		278221	107	1.29	6.40	4.49	37.38
		278222	108	1.28	6.54	4.49	38.97
		278223	109	1.29	6.52	4.14	45.51
		278224	110	1.29	6.81	4.83	35.87
		278225	111	1.30	6.57	5.71	16.32
		278226	112	1.29	6.36	4.77	31.36
		278227	113	1.29	6.50	4.54	37.62
		278230	114	1.27	6.34	4.22	41.81
		278231	115	1.29	6.38	4.53	36.35

ICM MOISTURE LOG

TECHNICIAN SIGNATURE: SUPERVISOR SIGNATURE:

INITIALS	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1 TIN ONLY	WEIGHT 2 TIN,SOIL(~10G)	WEIGHT 3 TIN,(SOIL DRY)	% MOISTURE
MQ	12/9	278232	116	1.28	6.54	4.08	46.77
		278233	117	1.29	6.43	4.81	31.52
		278234	118	1.29	6.63	5.02	30.15
		278236	119	1.29	6.98	3.92	53.78
		278235	120	1.30	6.90	5.19	30.54
		278237	121	1.30	6.31	3.20	62.08
		278228	122	1.29	6.47	4.25	42.86
		278229	123	1.29	6.49	5.07	27.31
		278293	124	1.28	6.64	6.04	11.19
		278355	125	1.30	6.96	6.43	9.36
		278356	126	1.30	6.56	5.89	12.74
		278357	127	1.29	6.38	5.13	24.56
		278358	128	1.29	6.52	5.77	14.34
		278358 Dup	129	1.28	6.79	6.08	12.89
SW	12-11	BLANK		1.29			
		278614	1	1.28	11.45	9.50	19.17
		278615	2	1.31	11.40	9.36	20.22
	278616	278616	3	1.29	11.31	9.61	16.17
		278618	4	1.29	11.32	10.63	6.48
		278619	5	1.31	11.35	9.73	16.14
		278620	6	1.29	11.39	8.92	24.46
		278621	7	1.32	11.33	9.30	20.28