



GC Semi-volatiles

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Raw Data

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95226.D\ECD1A.CH Vial: 5  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95226.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:53 pm Operator: toyar  
Sample : ja58750-1 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:30 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.65	984.8E6	246.1E6	447.848	261.820	#
	Spiked Amount	500.000		Recovery	=	89.57%	52.36%	

Target Compounds

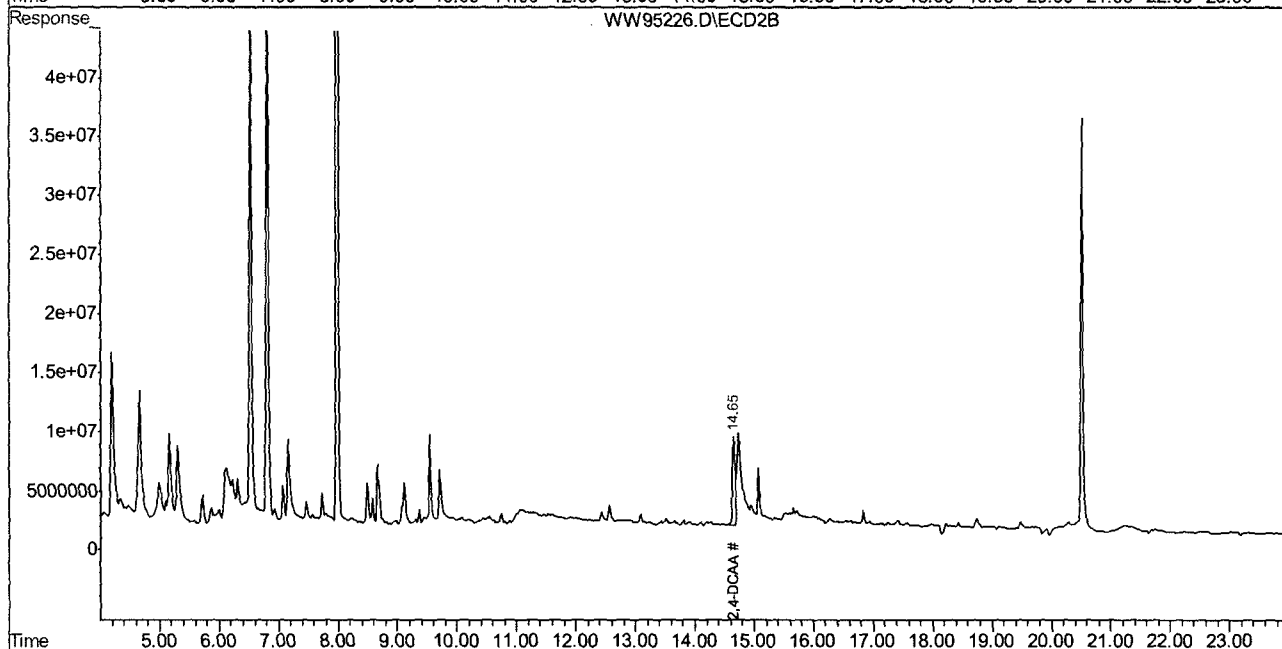
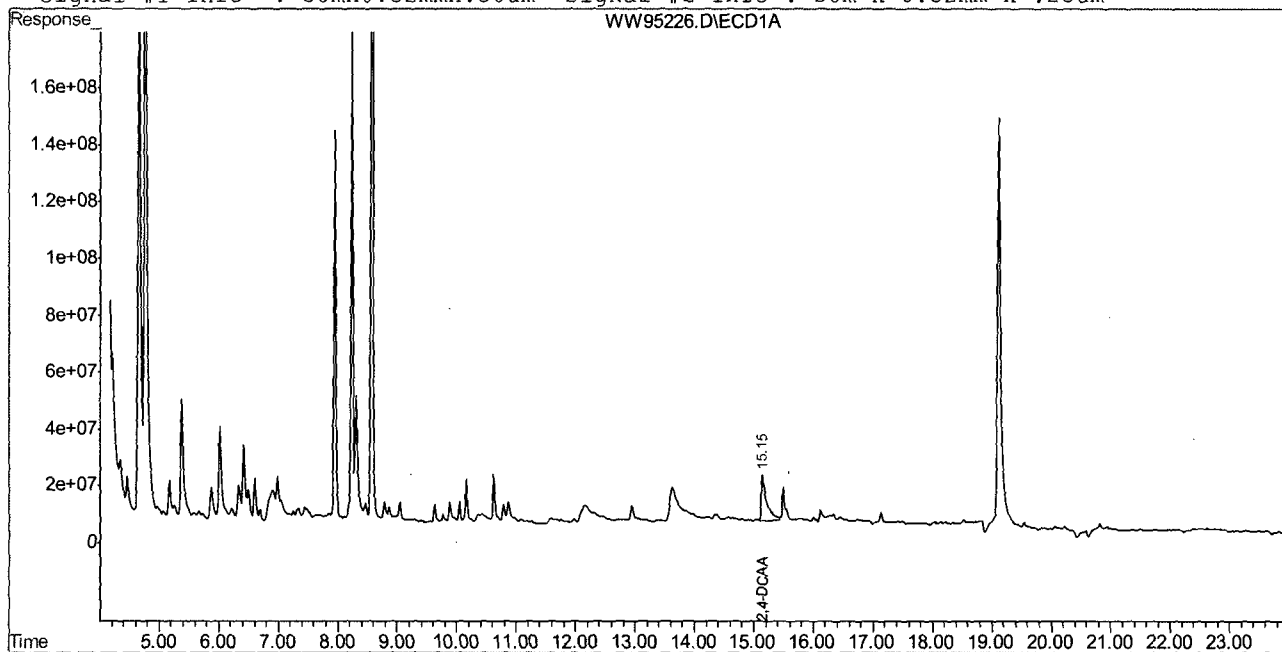
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95226.D HWW3143.M Tue Oct 19 17:31:06 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95226.D\ECD1A.CH Vial: 5  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95226.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:53 pm Operator: toyar  
Sample : ja58750-1 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:30 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95226.D HWW3143.M Tue Oct 19 17:31:06 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95322.D\ECD1A.CH Vial: 20  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95322.D\ECD2B.CH  
Acq On : 21 Oct 2010 8:33 pm Operator: toyar  
Sample : JA58750-2 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:47 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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System Monitoring Compounds

2) S 2,4-DCAA	15.15	14.65	1112.7E6	262.5E6	506.012	279.268 #
Spiked Amount	500.000		Recovery	=	101.20%	55.85%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95322.D HWW3143.M Fri Oct 22 17:48:03 2010 GCCD



## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95322.D\ECD1A.CH Vial: 20  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95322.D\ECD2B.CH  
Acq On : 21 Oct 2010 8:33 pm Operator: toyar  
Sample : JA58750-2 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:47 2010 Quant Results File: HWW3143.RES

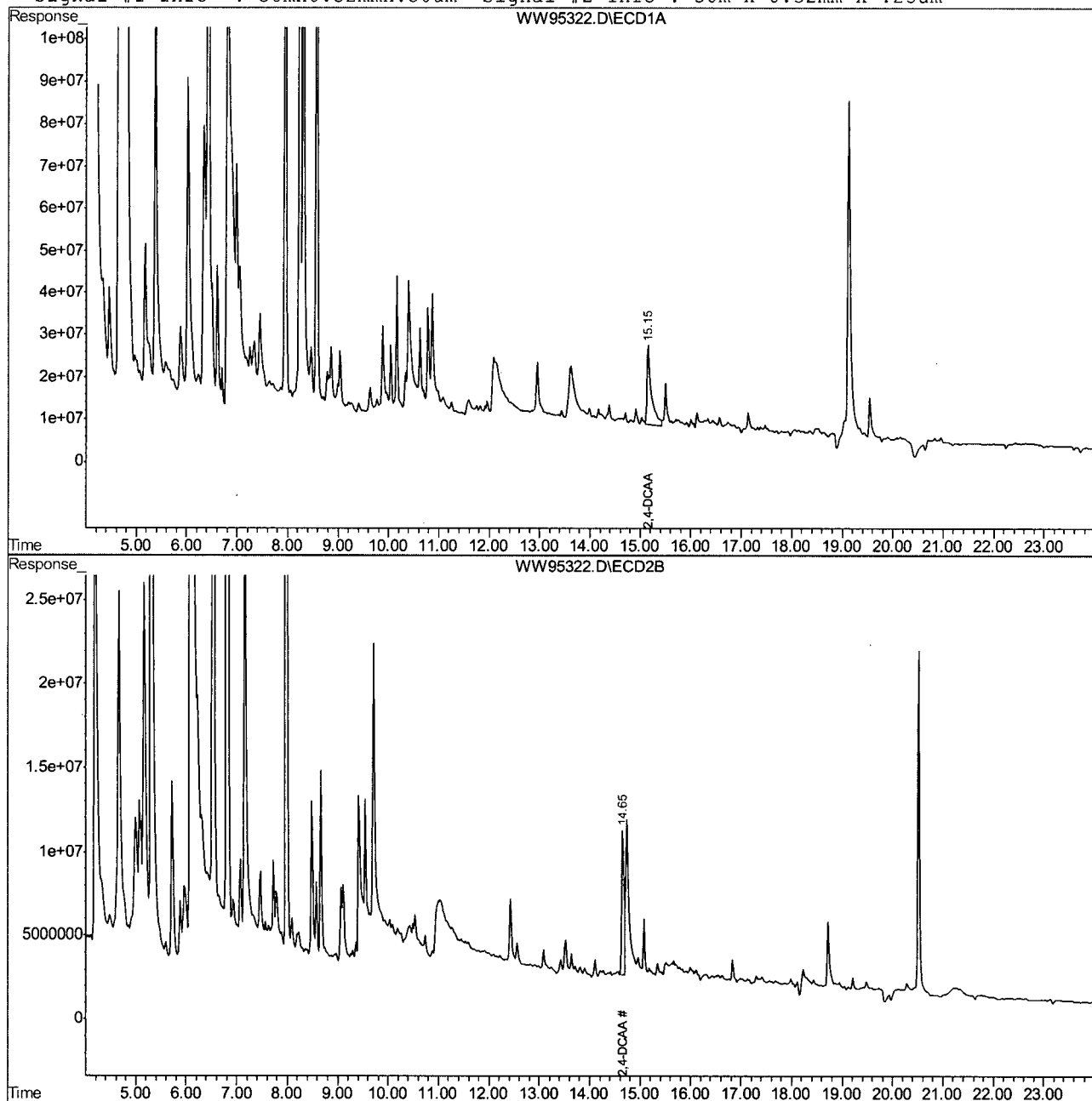
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95322.D HWW3143.M

Fri Oct 22 17:48:04 2010

GCCD

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10.12 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95323.D\ECD1A.CH Vial: 21  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95323.D\ECD2B.CH  
Acq On : 21 Oct 2010 8:55 pm Operator: toyar  
Sample : JA58750-3 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:48 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

2) S	2,4-DCAA	15.16	14.66	981.5E6	273.2E6	446.357	290.631	#
Spiked Amount	500.000			Recovery	=	89.27%	58.13%	

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95323.D HWW3143.M Fri Oct 22 17:48:55 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95323.D\ECD1A.CH Vial: 21  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95323.D\ECD2B.CH  
Acq On : 21 Oct 2010 8:55 pm Operator: toyar  
Sample : JA58750-3 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:48 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

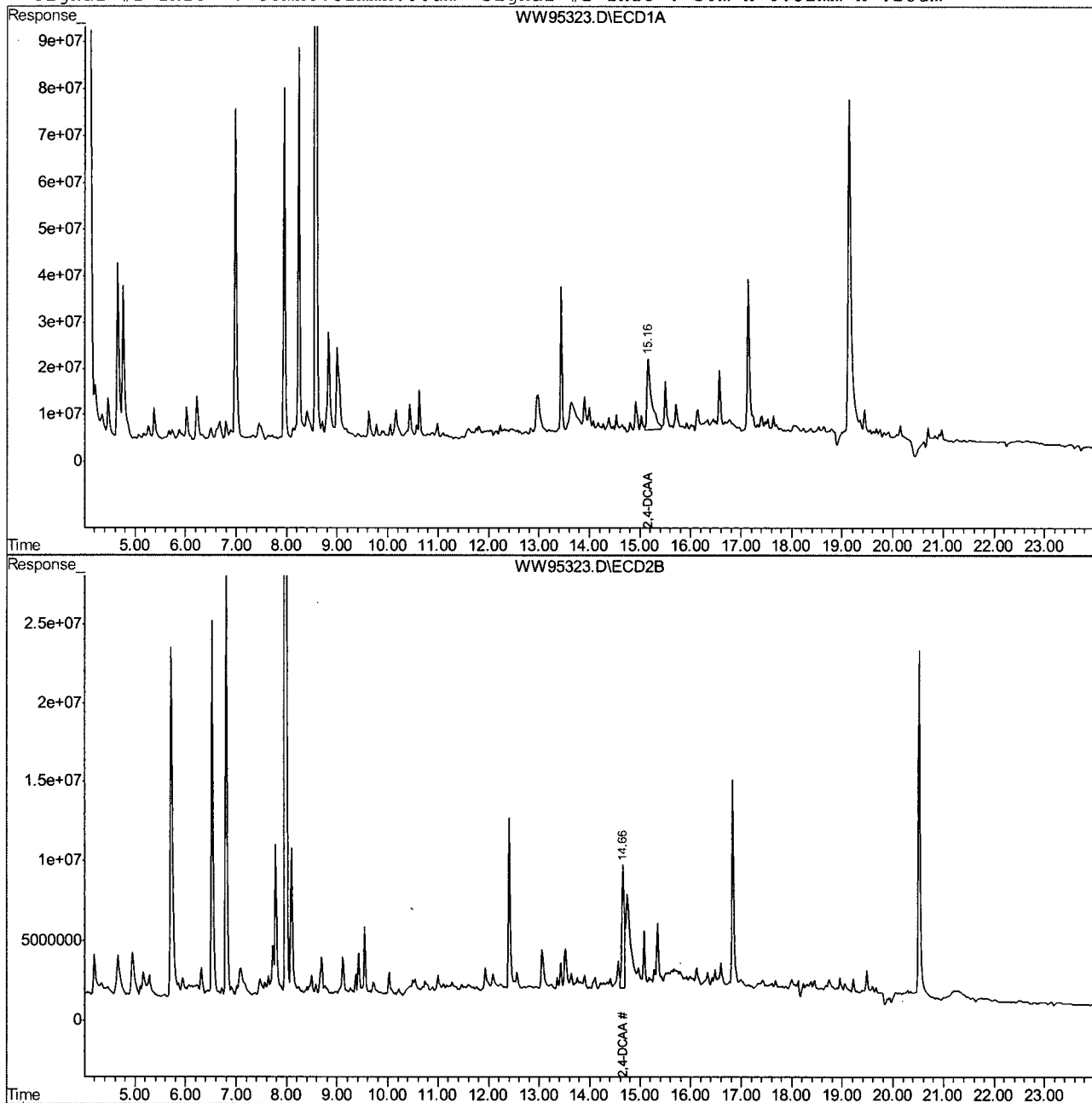
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um

Signal #2 Info : 30m x 0.32mm x .25um



WW95323.D HWW3143.M Fri Oct 22 17:48:55 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD1A.CH Vial: 22  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD2B.CH  
Acq On : 21 Oct 2010 9:29 pm Operator: toyar  
Sample : JA58750-4 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:49 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

2) S	2,4-DCAA	15.16	14.66	959.3E6	448.6E6	436.251m	477.254m
Spiked Amount		500.000		Recovery		=	87.25% 95.45%

## Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95324.D HWW3143.M Fri Oct 22 17:49:46 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD1A.CH Vial: 22  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD2B.CH  
Acq On : 21 Oct 2010 9:29 pm Operator: toyar  
Sample : JA58750-4 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:49 2010 Quant Results File: HWW3143.RES

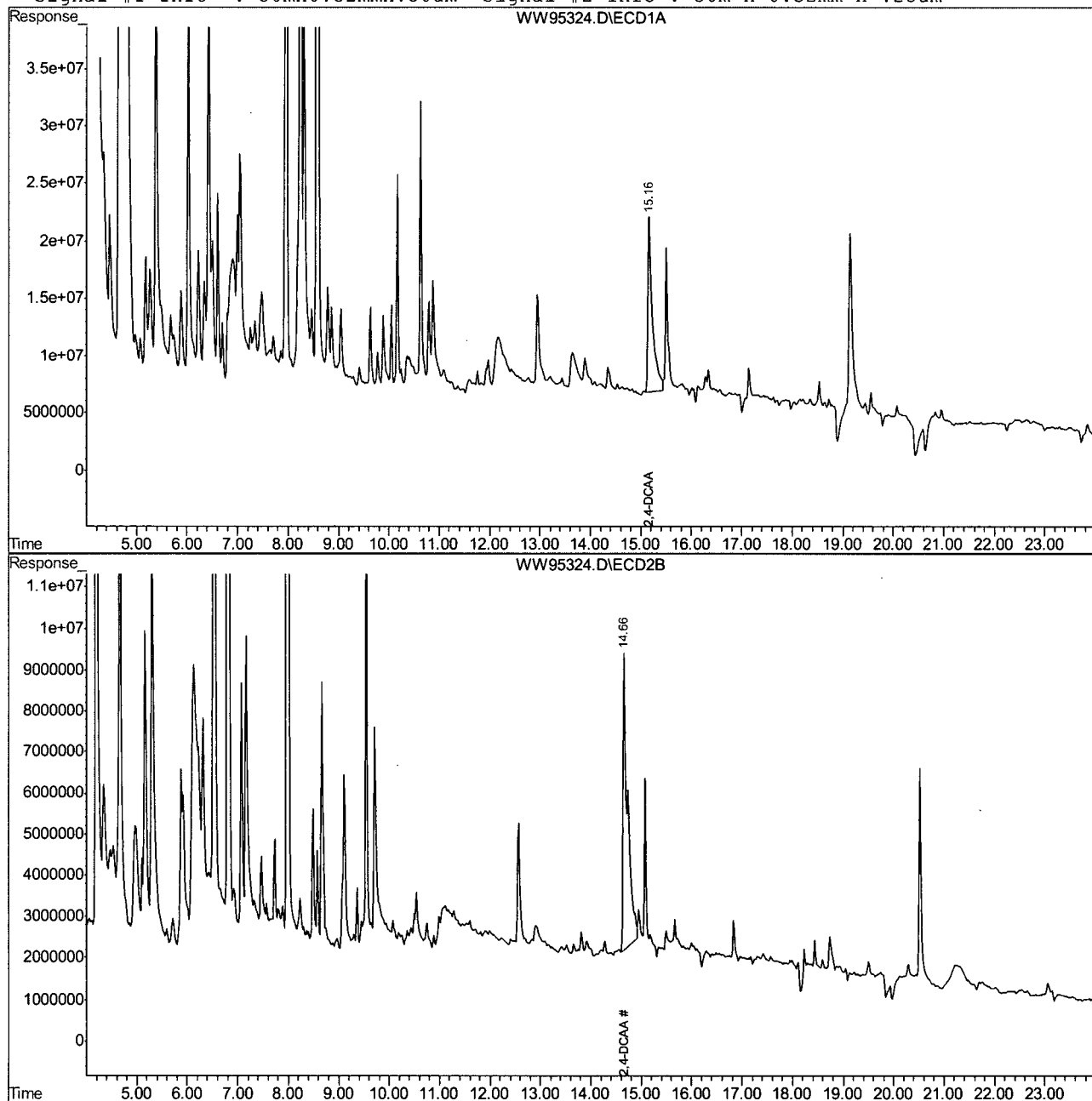
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95324.D HWW3143.M

Fri Oct 22 17:49:47 2010

GCCD

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-4      **Method:** SW846 8151  
**Lab FileID:** WW95324.D      **Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Injection Time:** 10/21/10 21:29      **Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

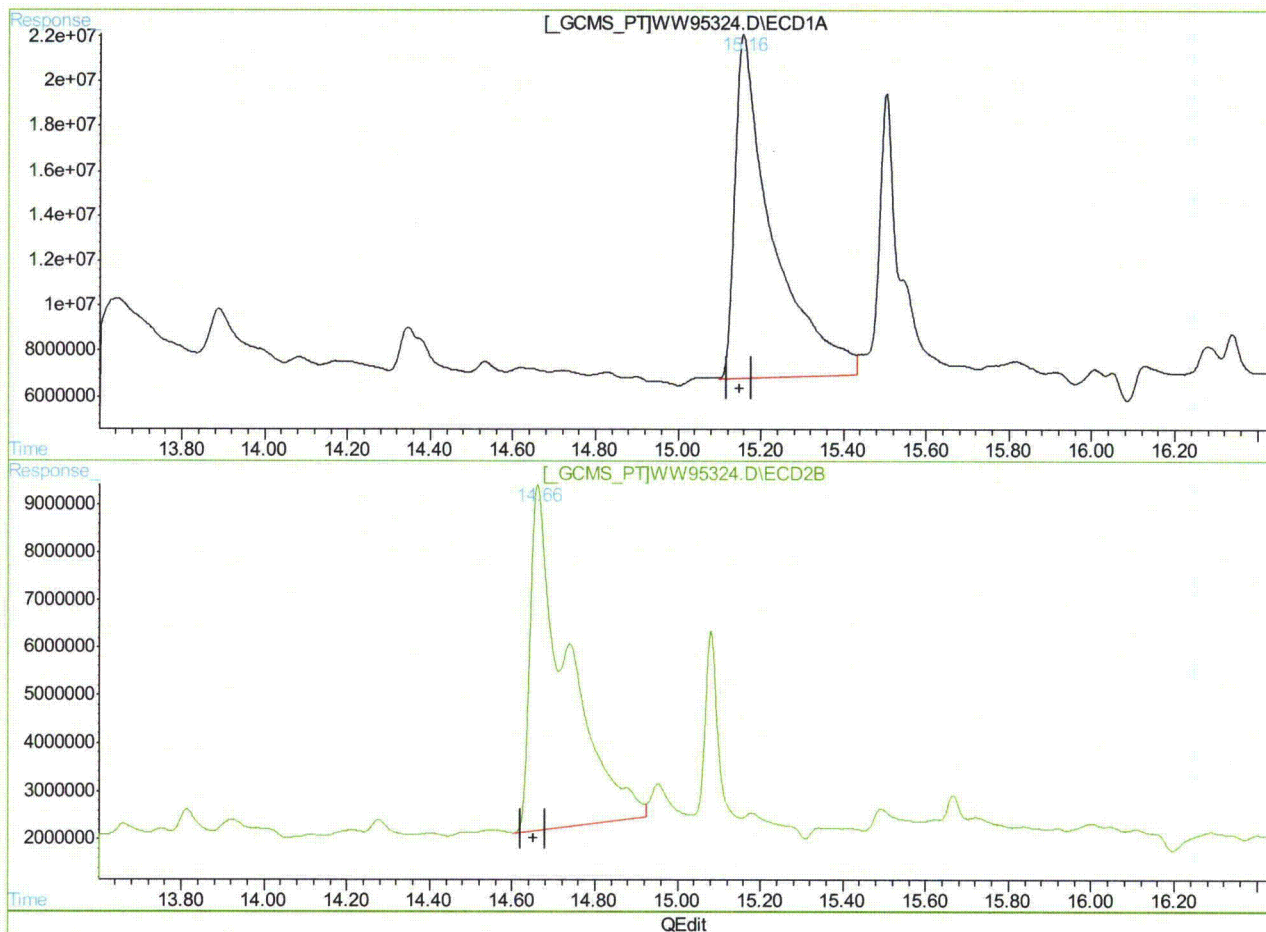
Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.66	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.16	Poorly defined baseline

10.1.4.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD1A.CH Vial: 22  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95324.D\ECD2B.CH  
Acq On : 21 Oct 2010 9:29 pm Operator: toyar  
Sample : JA58750-4 Inst : GCWW  
Misc : OP46195,Gww3334,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 22 17:49 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 22 17:47:25 2010  
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.16min 436.251PPB m

response 959320526

(2) 2,4-DCAA #2 (S)

14.66min 477.254PPB m

response 448583040

(+) = Expected Retention Time  
WW95324.D HWW3143.M Fri Oct 22 17:49:38 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95227.D\ECD1A.CH Vial: 6  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95227.D\ECD2B.CH  
Acq On : 19 Oct 2010 1:37 pm Operator: toyar  
Sample : ja58750-5 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:31 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.65	1114.5E6	255.3E6	506.814	271.600 #
Spiked Amount	500.000			Recovery	=	101.36%	54.32%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95227.D HWW3143.M Tue Oct 19 17:31:32 2010 GCCD

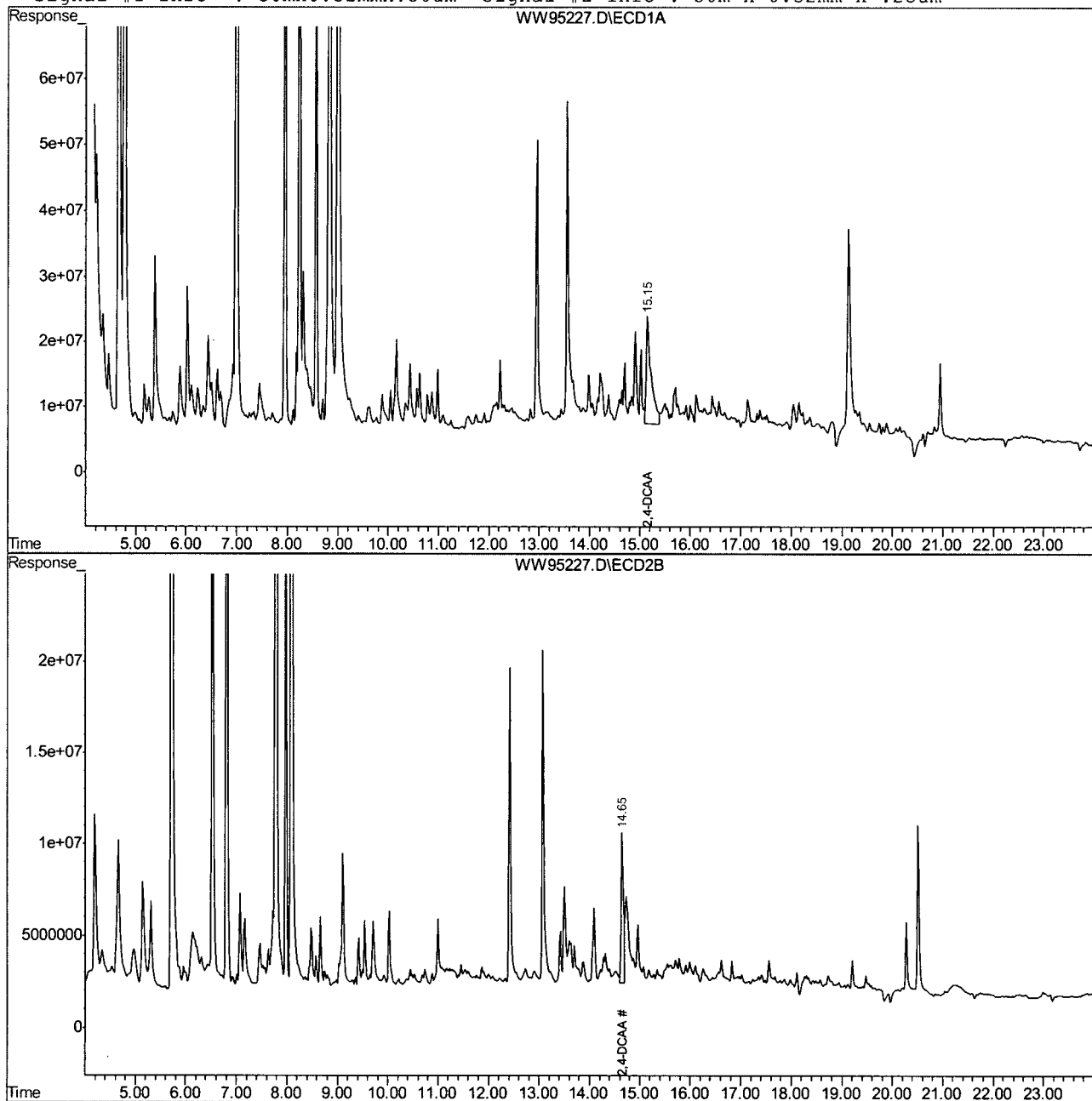


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95227.D\ECD1A.CH Vial: 6  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95227.D\ECD2B.CH  
Acq On : 19 Oct 2010 1:37 pm Operator: toyar  
Sample : ja58750-5 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:31 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPII Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95329.D\ECD1A.CH Vial: 27  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95329.D\ECD2B.CH  
Acq On : 22 Oct 2010 12:41 am Operator: toyar  
Sample : JA58750-6 Inst : GCWW  
Misc : OP46195,Gww3334,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 12:01 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:59:25 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

2) S	2,4-DCAA	15.16	14.66	970.3E6	232.1E6	441.266	246.957 #
Spiked Amount		500.000		Recovery		=	88.25% 49.39%

Target Compounds

10.16  
10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95329.D HWW3143.M Mon Oct 25 12:01:55 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95329.D\ECD1A.CH Vial: 27  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95329.D\ECD2B.CH  
Acq On : 22 Oct 2010 12:41 am Operator: toyar  
Sample : JA58750-6 Inst : GCWW  
Misc : OP46195,Gww3334,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 12:01 2010 Quant Results File: HWW3143.RES

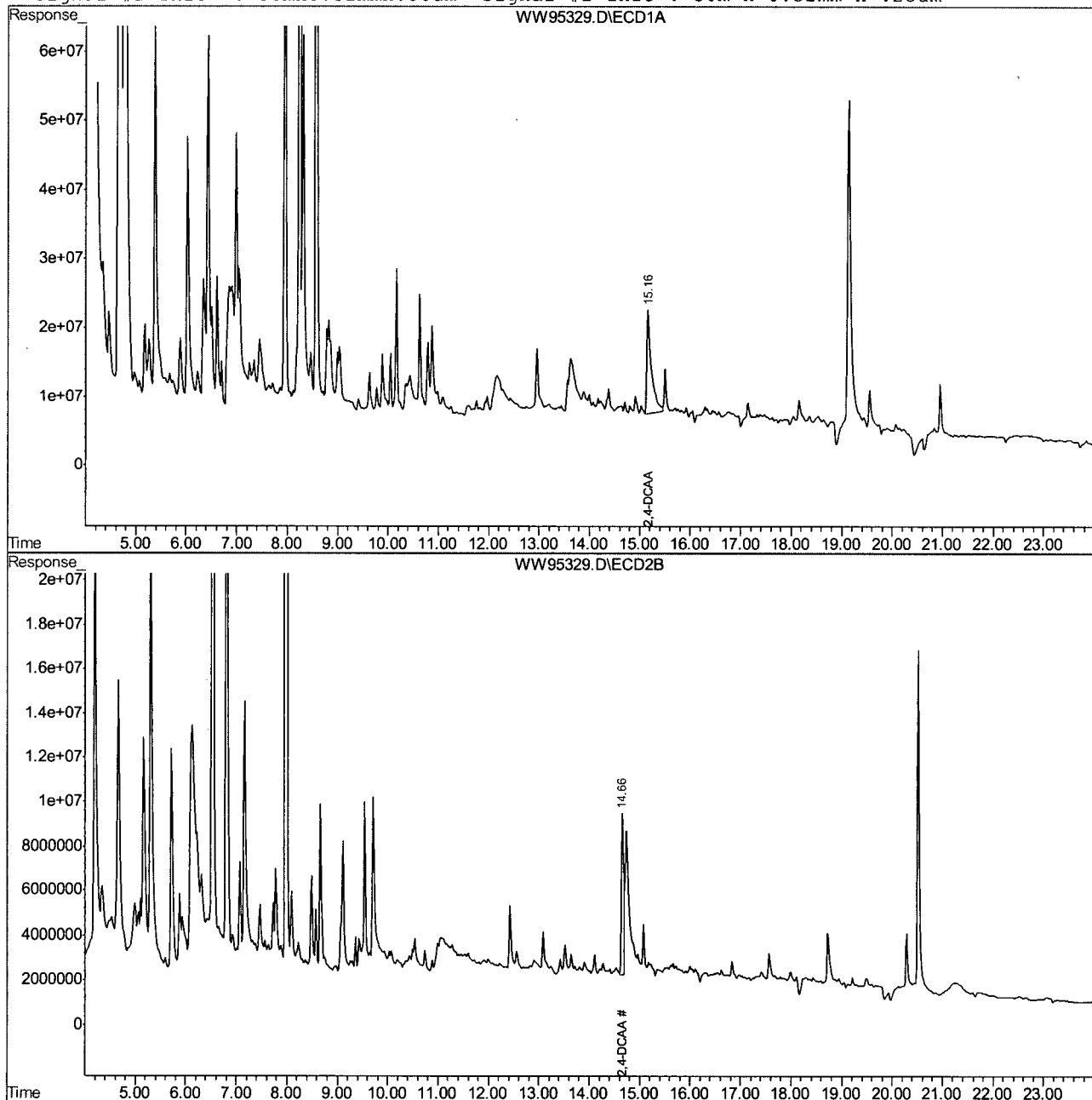
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:59:25 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95329.D HWW3143.M Mon Oct 25 12:01:55 2010 GCCD

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10.1.6 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD1A.CH Vial: 7  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD2B.CH  
Acq On : 19 Oct 2010 1:54 pm Operator: toyar  
Sample : ja58750-7 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:33 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:29:22 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S	2,4-DCAA	15.14f	14.65f	1145.4E6	439.7E6	520.890	467.846m
Spiked Amount	500.000			Recovery	=	104.18%	93.57%

## Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95228.D HWW3143.M Tue Oct 19 17:33:59 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD1A.CH Vial: 7  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD2B.CH  
Acq On : 19 Oct 2010 1:54 pm Operator: toyar  
Sample : ja58750-7 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:33 2010 Quant Results File: HWW3143.RES

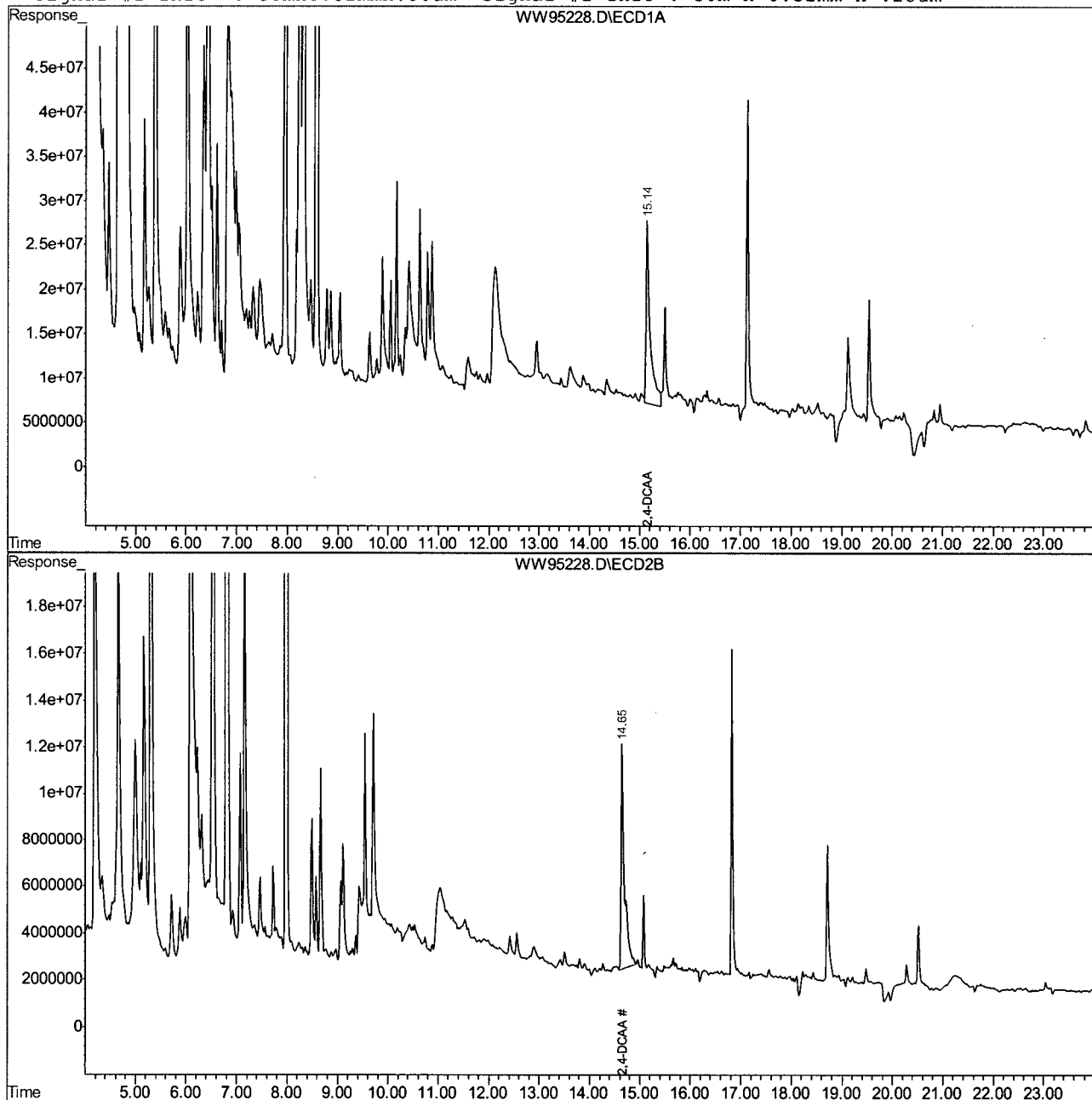
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:29:22 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95228.D HWW3143.M

Tue Oct 19 17:33:59 2010

GCCD

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-7      **Method:** SW846 8151  
**Lab FileID:** WW95228.D      **Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Injection Time:** 10/19/10 13:54      **Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

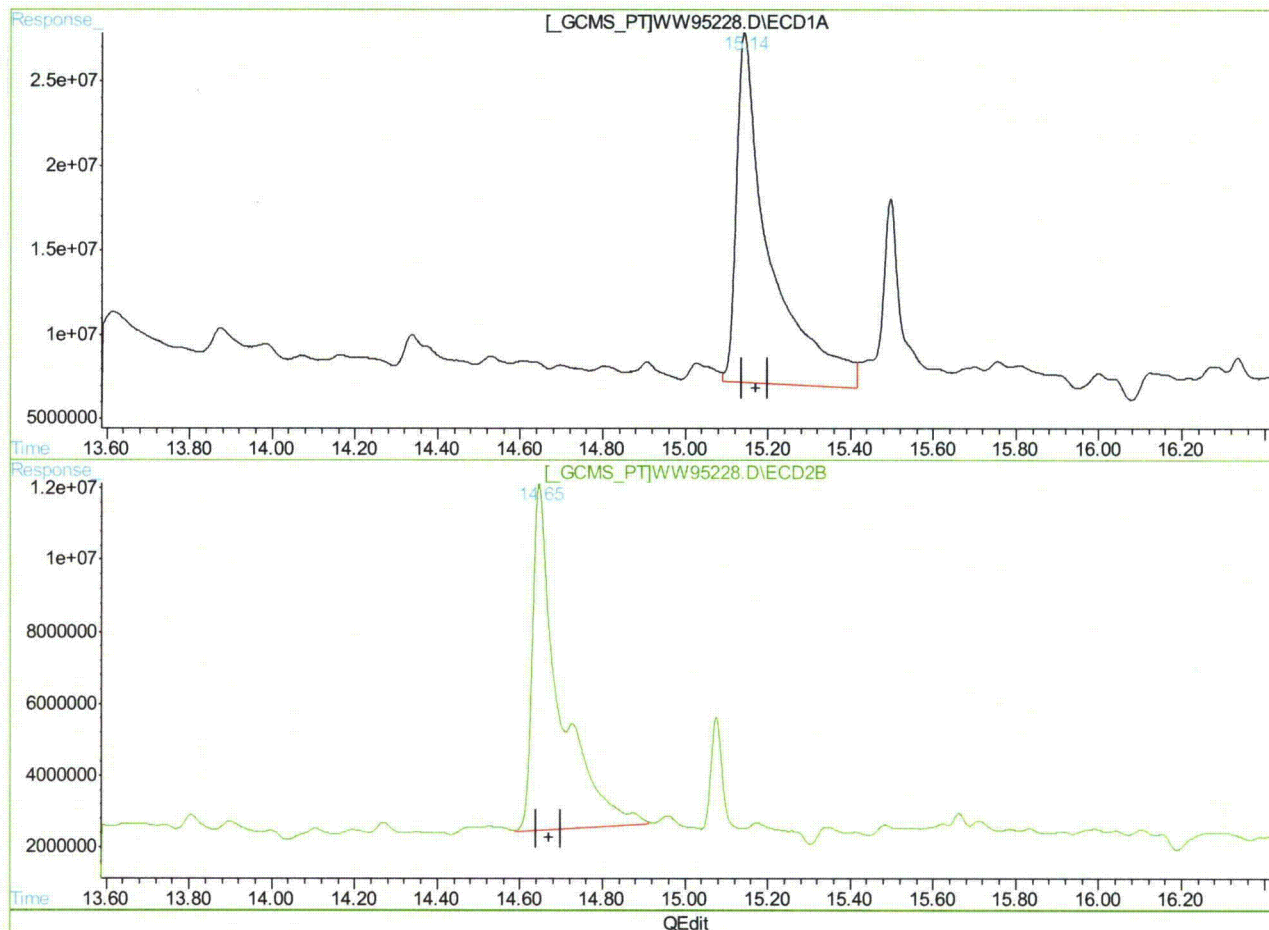
Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.65	Poorly defined baseline

10.1.7.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD1A.CH Vial: 7  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95228.D\ECD2B.CH  
Acq On : 19 Oct 2010 1:54 pm Operator: toyar  
Sample : ja58750-7 Inst : GCWW  
Misc : OP46195,Gww3331,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:32 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:29:22 2010  
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.14min 520.890PPB

response 1145442787

(2) 2,4-DCAA #2 (S)

14.65min 467.846PPB m

response 439739868

(+) = Expected Retention Time

WW95228.D HWW3143.M

Tue Oct 19 17:33:47 2010

GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95229.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95229.D\ECD2B.CH  
Acq On : 19 Oct 2010 2:26 pm Operator: toyar  
Sample : ja58750-8 Inst : GCWW  
Misc : OP46195,Gww3331,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:35 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:34:57 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S 2,4-DCAA	15.14	14.64	1166.7E6	326.5E6	530.544	347.341 #
Spiked Amount	500.000		Recovery	=	106.11%	69.47%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95229.D HWW3143.M Tue Oct 19 17:35:37 2010 GCCD



## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95229.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95229.D\ECD2B.CH  
Acq On : 19 Oct 2010 2:26 pm Operator: toyar  
Sample : ja58750-8 Inst : GCWW  
Misc : OP46195,Gww3331,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:35 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:34:57 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

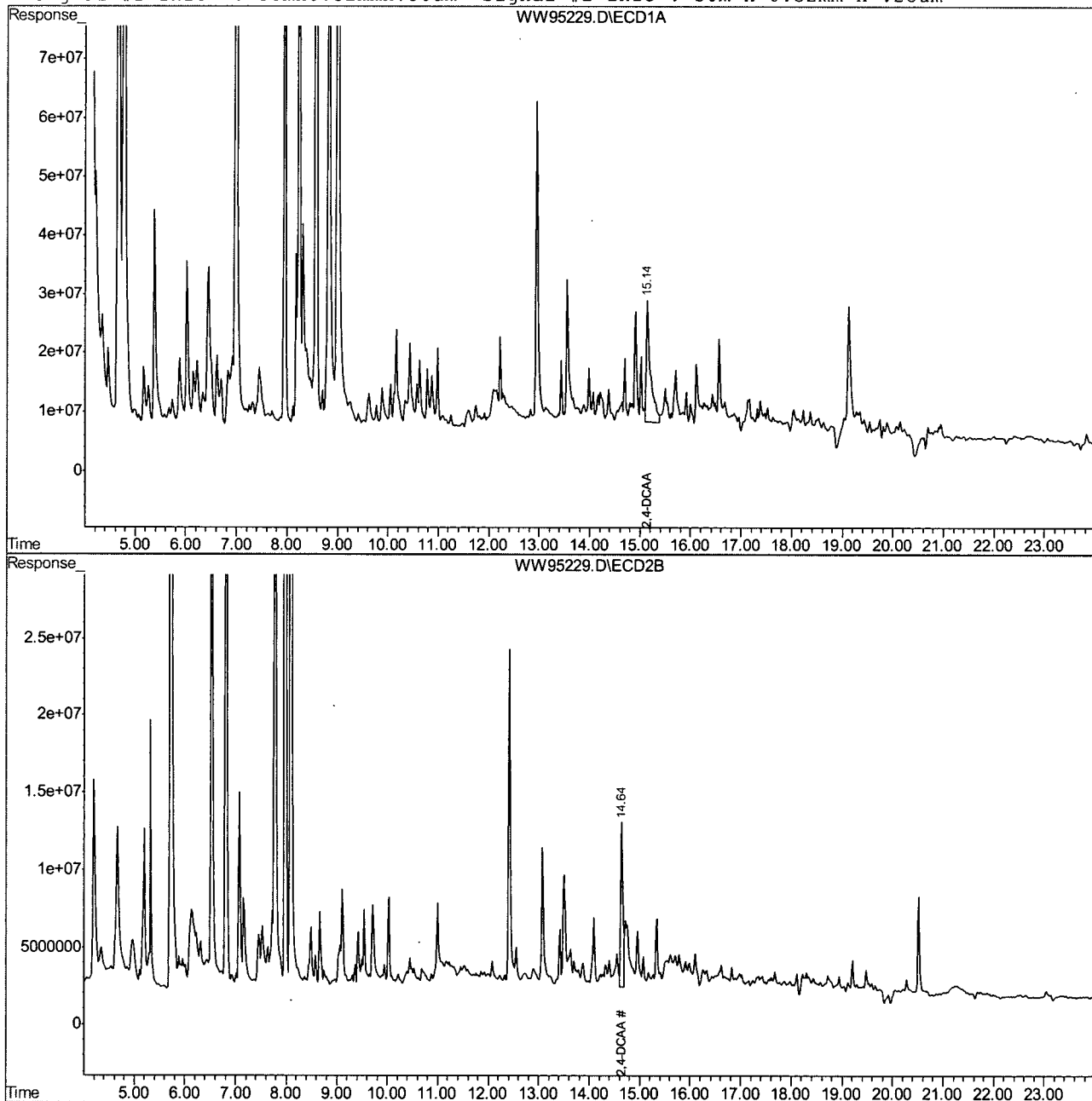
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um

Signal #2 Info : 30m x 0.32mm x .25um



WW95229.D HWW3143.M

Tue Oct 19 17:35:37 2010

GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95254.D\ECD1A.CH Vial: 9  
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95254.D\ECD2B.CH  
Acq On : 20 Oct 2010 1:16 pm Operator: toyar  
Sample : JA58750-9 Inst : GCWW  
Misc : OP46195,Gww3332,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 20 14:15 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Wed Oct 20 14:15:13 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.14	14.64	1058.8E6	283.5E6	481.480	301.630	#
	Spiked Amount	500.000		Recovery	=	96.30%	60.33%	

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95254.D HWW3143.M Wed Oct 20 14:31:20 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95254.D\ECD1A.CH Vial: 9  
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95254.D\ECD2B.CH  
Acq On : 20 Oct 2010 1:16 pm Operator: toyar  
Sample : JA58750-9 Inst : GCWW  
Misc : OP46195,Gww3332,35.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 20 14:15 2010 Quant Results File: HWW3143.RES

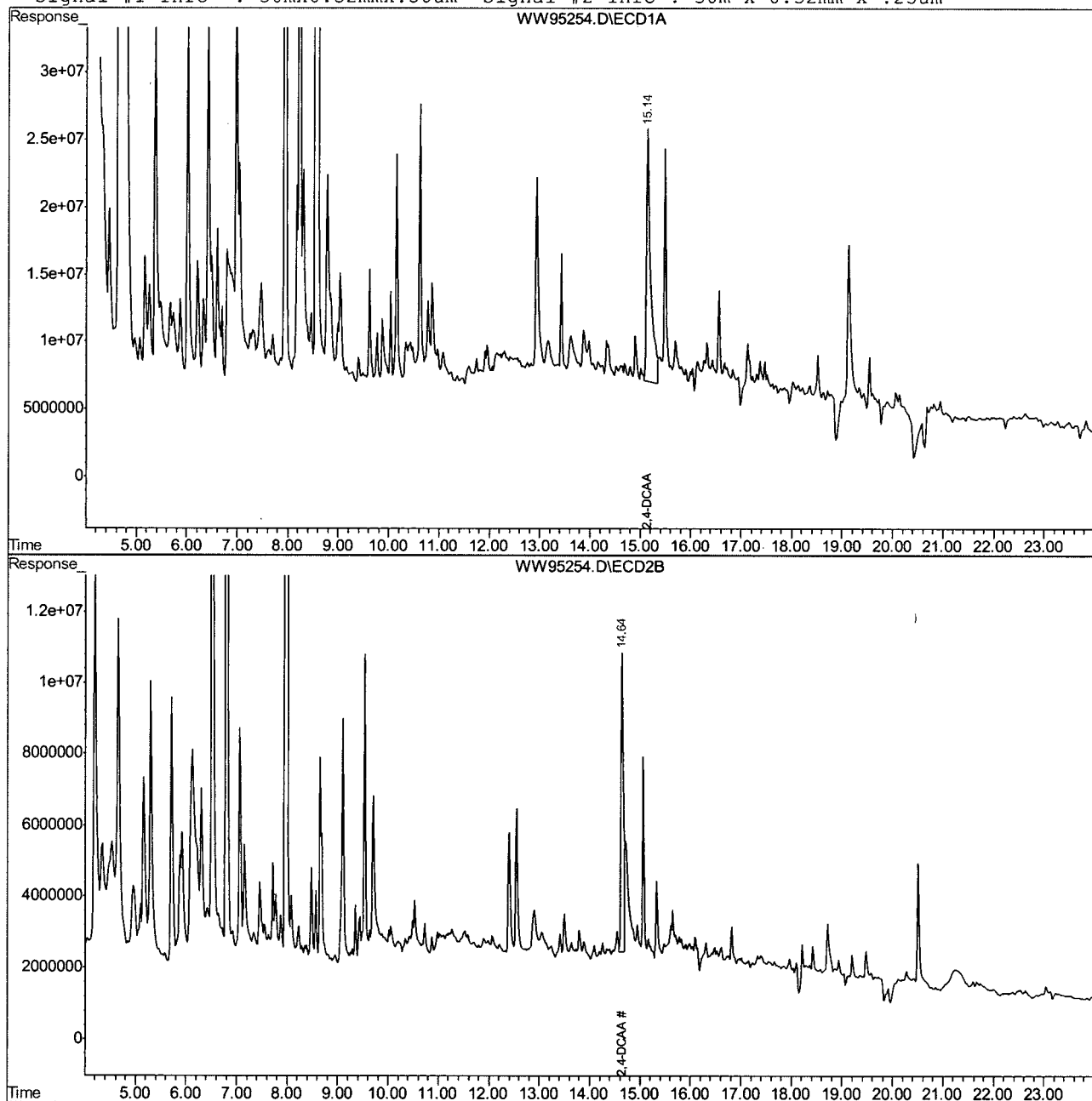
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Wed Oct 20 14:15:13 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95254.D HWW3143.M

Wed Oct 20 14:31:20 2010

GCCD

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10.1.9 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95230.D\ECD1A.CH Vial: 9  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95230.D\ECD2B.CH  
Acq On : 19 Oct 2010 2:56 pm Operator: toyar  
Sample : ja58750-10 Inst : GCWW  
Misc : OP46195,Gww3331,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:36 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.65	1087.5E6	248.7E6	494.526	264.610	#
	Spiked Amount	500.000		Recovery	=	98.91%	52.92%	

## Target Compounds

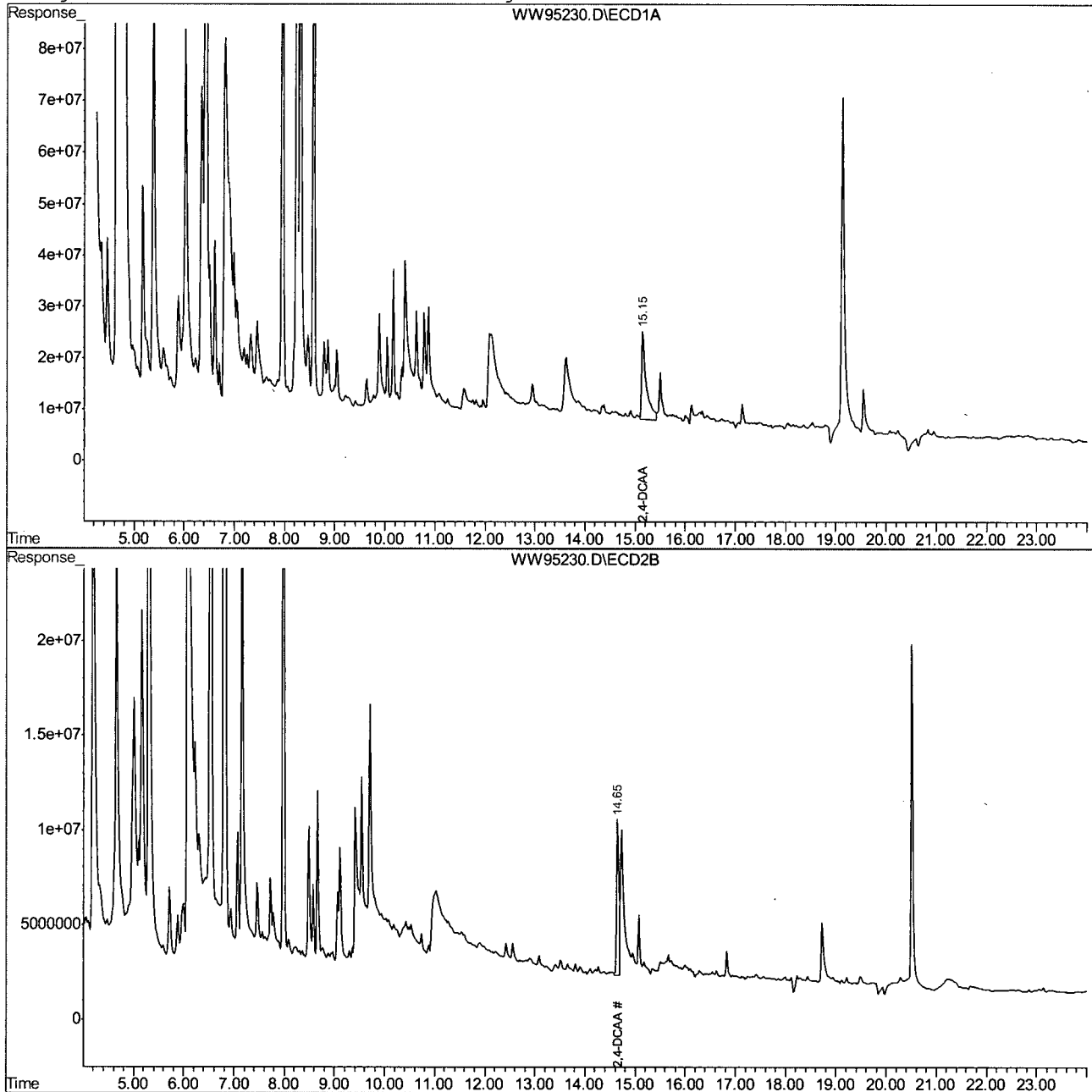
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95230.D HWW3143.M Tue Oct 19 17:36:11 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95230.D\ECD1A.CH Vial: 9  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95230.D\ECD2B.CH  
Acq On : 19 Oct 2010 2:56 pm Operator: toyar  
Sample : ja58750-10 Inst : GCWW  
Misc : OP46195,Gww3331,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:36 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPII Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95230.D HWW3143.M Tue Oct 19 17:36:11 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD1A.CH Vial: 28  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD2B.CH  
Acq On : 22 Oct 2010 1:00 am Operator: toyar  
Sample : JA58750-11 Inst : GCWW  
Misc : OP46195,Gww3334,35.4,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:11 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:59:25 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.66	988.8E6	238.2E6	449.666m	253.422 #
	Spiked Amount	500.000		Recovery	=	89.93%	50.68%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95330.D HWW3143.M Mon Oct 25 15:11:17 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD1A.CH Vial: 28  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD2B.CH  
Acq On : 22 Oct 2010 1:00 am Operator: toyar  
Sample : JA58750-11 Inst : GCWW  
Misc : OP46195,Gww3334,35.4,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:11 2010 Quant Results File: HWW3143.RES

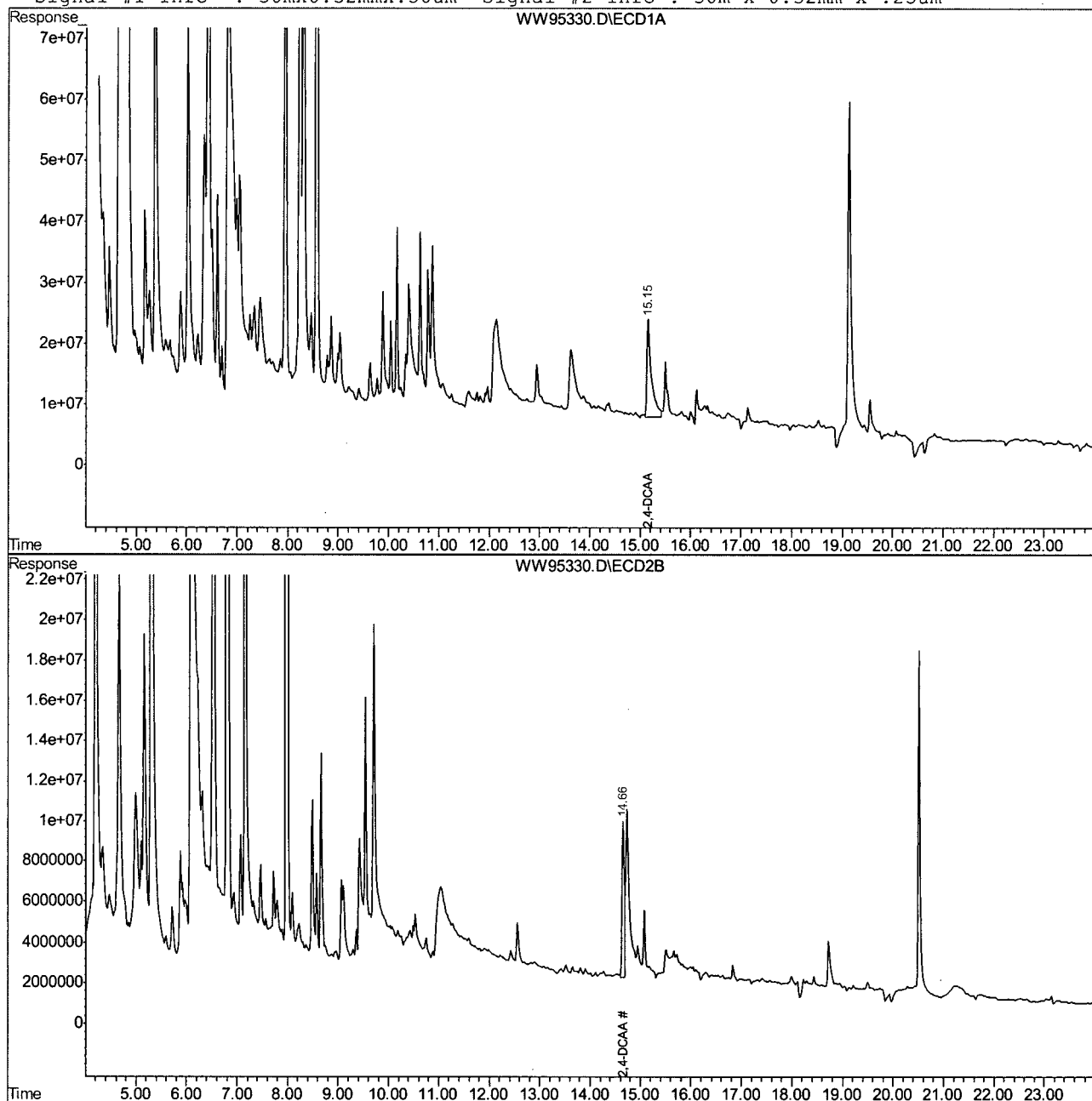
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:59:25 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95330.D HWW3143.M Mon Oct 25 15:11:18 2010 GCCD

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-11      **Method:** SW846 8151  
**Lab FileID:** WW95330.D      **Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Injection Time:** 10/22/10 01:00      **Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4-DCAA	19719-28-9	1	15.15	Poorly defined baseline

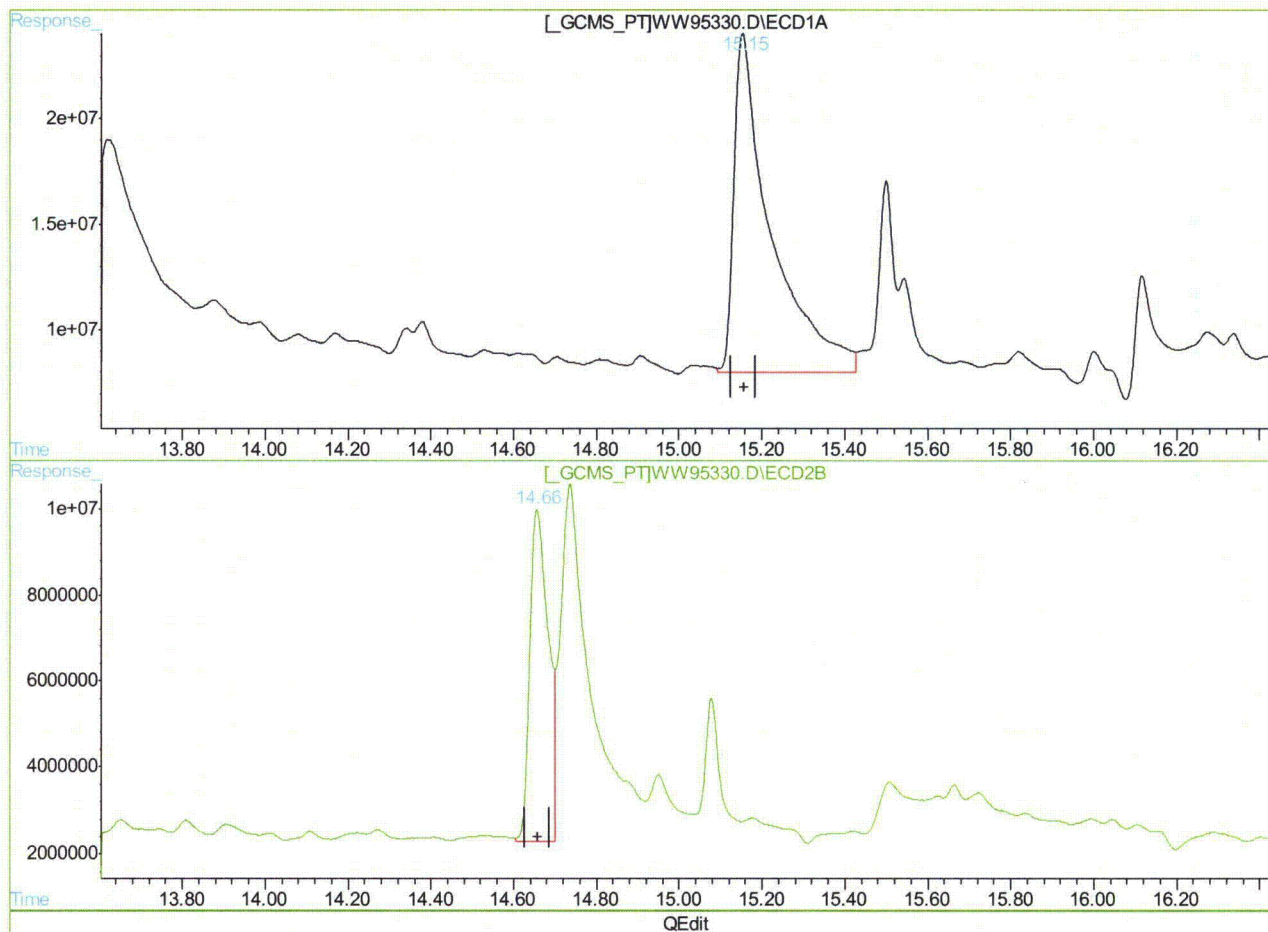
10.1.11.1  
10



## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD1A.CH Vial: 28  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95330.D\ECD2B.CH  
Acq On : 22 Oct 2010 1:00 am Operator: toyar  
Sample : JA58750-11 Inst : GCWW  
Misc : OP46195,Gww3334,35.4,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 12:06 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue May 18 16:50:01 2010  
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.15min 449.666PPB m

response 988821384

(2) 2,4-DCAA #2 (S)

14.66min 253.422PPB

response 238197612

(+) = Expected Retention Time

WW95330.D HWW3143.M

Mon Oct 25 15:11:10 2010

GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95331.D\ECD1A.CH Vial: 29  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95331.D\ECD2B.CH  
Acq On : 22 Oct 2010 1:31 am Operator: toyar  
Sample : JA58750-12 Inst : GCWW  
Misc : OP46195,Gww3334,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:12 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue May 18 16:50:01 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.15f	14.65f	886.7E6	241.2E6	403.228	256.646	#
Spiked Amount		500.000		Recovery		=	80.65%	51.33%

Target Compounds

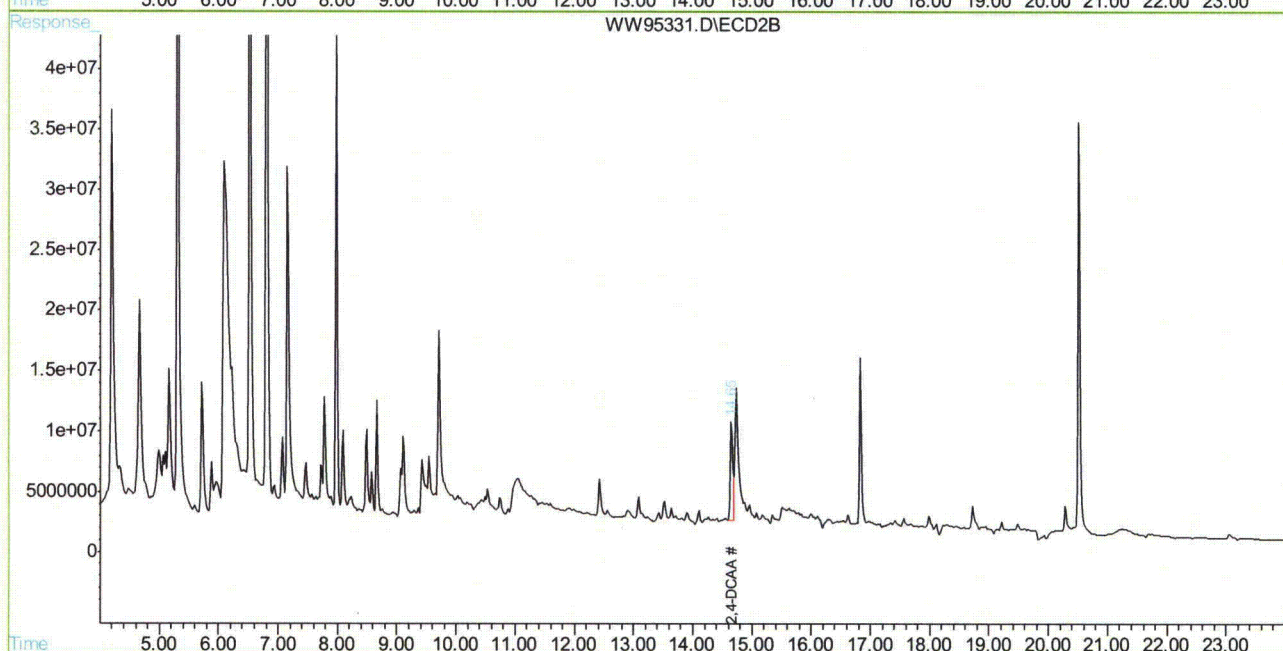
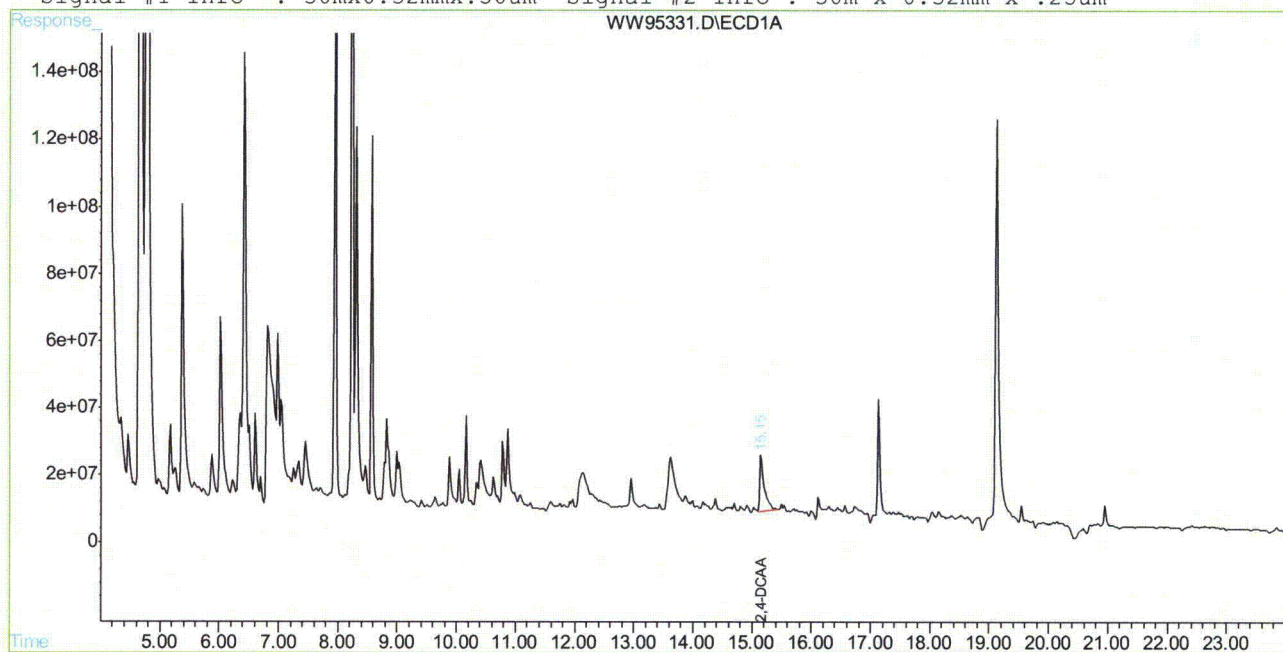
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95331.D HWW3143.M Mon Oct 25 15:12:15 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95331.D\ECD1A.CH Vial: 29  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95331.D\ECD2B.CH  
Acq On : 22 Oct 2010 1:31 am Operator: toyar  
Sample : JA58750-12 Inst : GCWW  
Misc : OP46195,Gww3334,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:12 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue May 18 16:50:01 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info: 30m x 0.32mm x .25um



WW95331.D HWW3143.M Mon Oct 25 15:12:16 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95340.D\ECD1A.CH Vial: 38  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95340.D\ECD2B.CH  
Acq On : 22 Oct 2010 6:47 am Operator: toyar  
Sample : JA58750-13 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:56 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:56:10 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.66	1138.0E6	275.1E6	517.521	292.696 #
Spiked Amount		500.000		Recovery		=	103.50% 58.54%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95340.D HWW3143.M Mon Oct 25 15:56:34 2010 GCCD

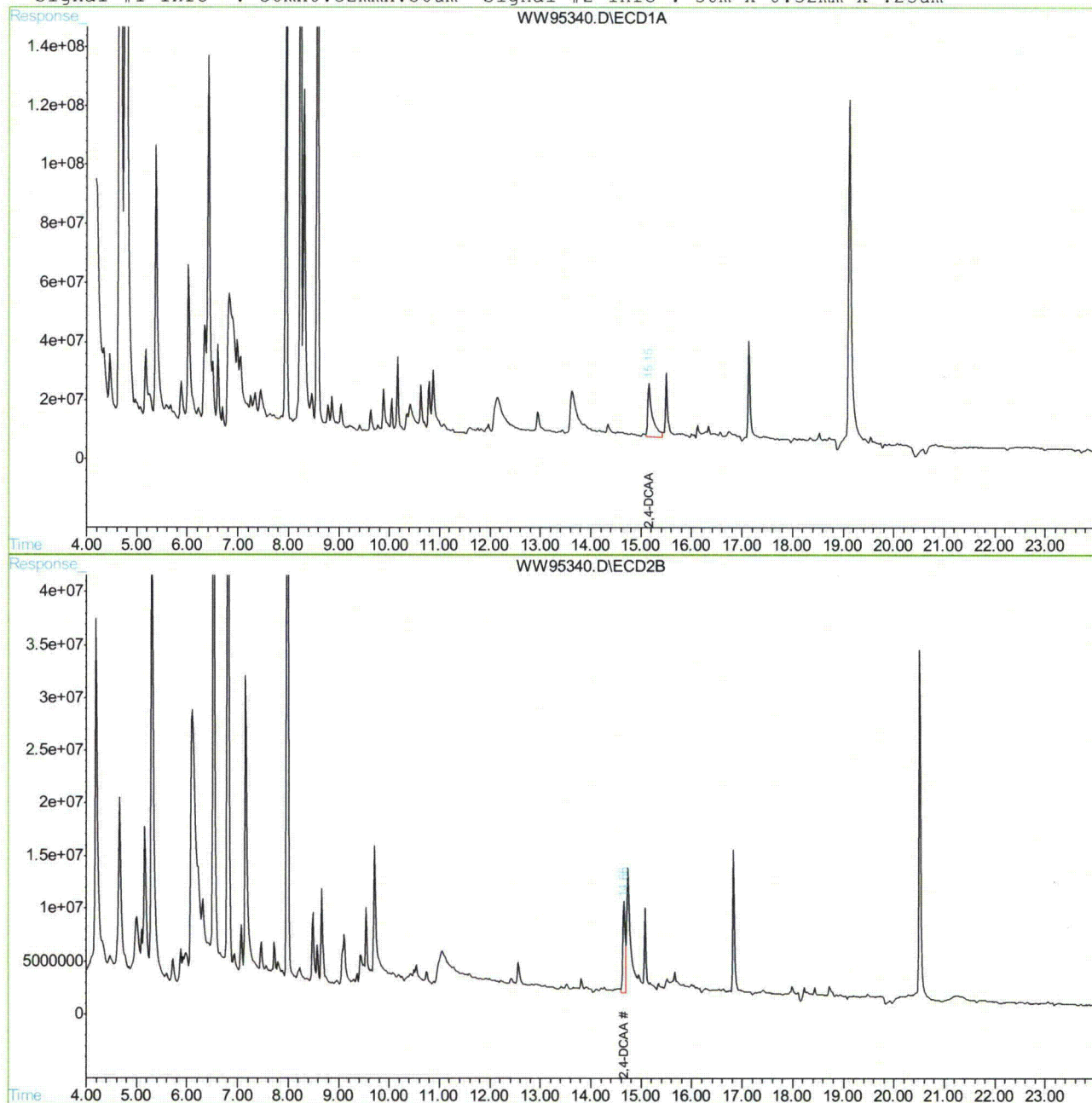


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95340.D\ECD1A.CH Vial: 38  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95340.D\ECD2B.CH  
Acq On : 22 Oct 2010 6:47 am Operator: toyar  
Sample : JA58750-13 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:56 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:56:10 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95340.D HWW3143.M Mon Oct 25 15:56:35 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95332.D\ECD1A.CH Vial: 30  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95332.D\ECD2B.CH  
Acq On : 22 Oct 2010 2:03 am Operator: toyar  
Sample : JA58750-14 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:15 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:13:35 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.16	14.66	882.7E6	207.6E6	401.414	220.865 #
	Spiked Amount	500.000		Recovery	=	80.28%	44.17%

Target Compounds

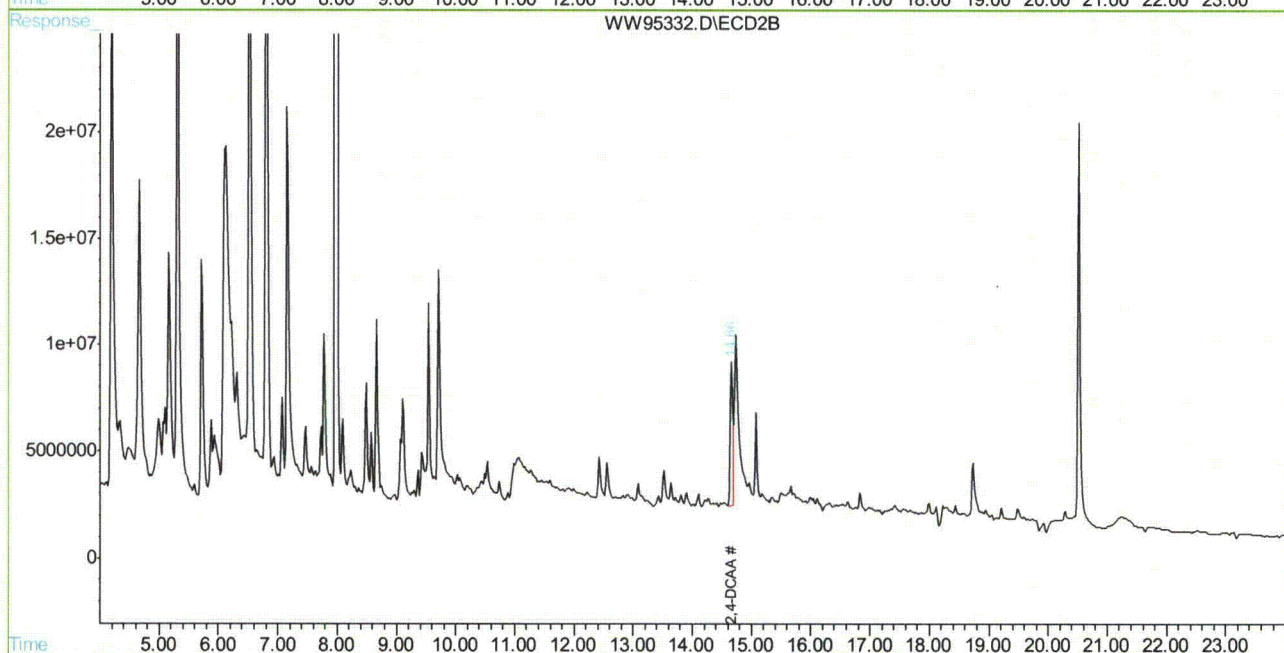
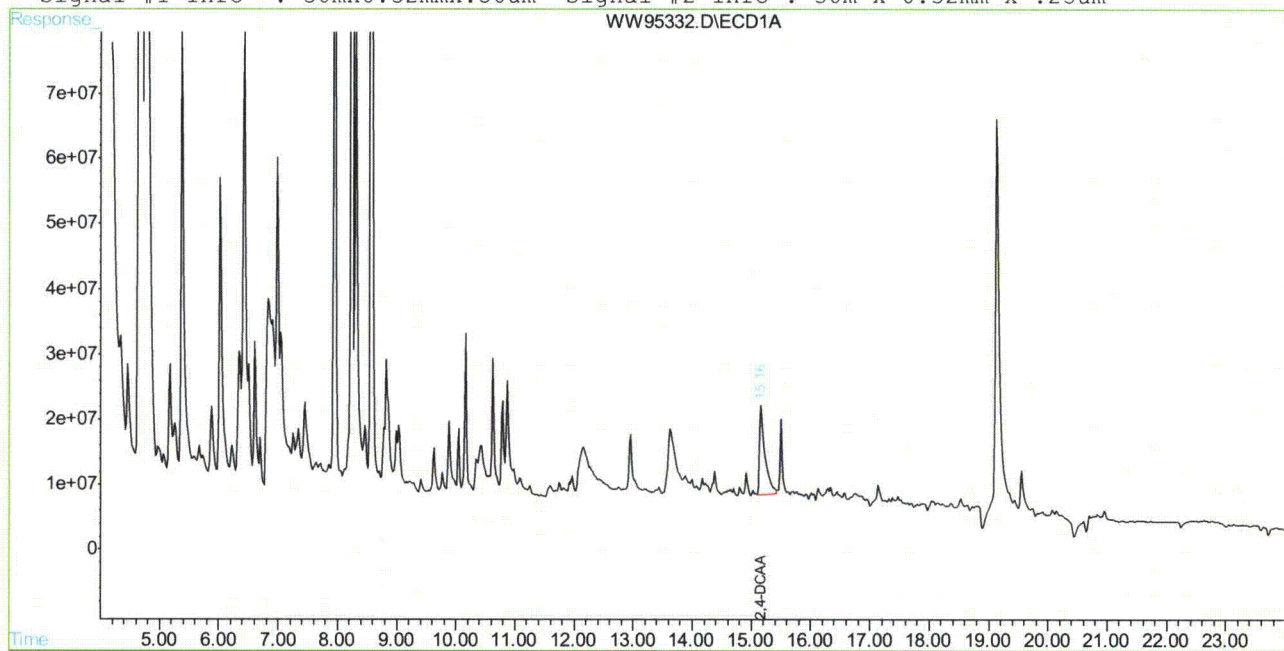
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95332.D HWW3143.M Mon Oct 25 15:15:24 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95332.D\ECD1A.CH Vial: 30  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95332.D\ECD2B.CH  
Acq On : 22 Oct 2010 2:03 am Operator: toyar  
Sample : JA58750-14 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:15 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:13:35 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95332.D HWW3143.M Mon Oct 25 15:15:24 2010 GCCD

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95333.D\ECD1A.CH Vial: 31  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95333.D\ECD2B.CH  
Acq On : 22 Oct 2010 2:42 am Operator: toyar  
Sample : JA58750-15 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:16 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:13:35 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S	2,4-DCAA	15.15	14.66	1075.7E6	221.9E6	489.196	236.030	#
Spiked Amount		500.000		Recovery		=	97.84%	47.21%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95333.D HWW3143.M Mon Oct 25 15:16:39 2010 GCCD

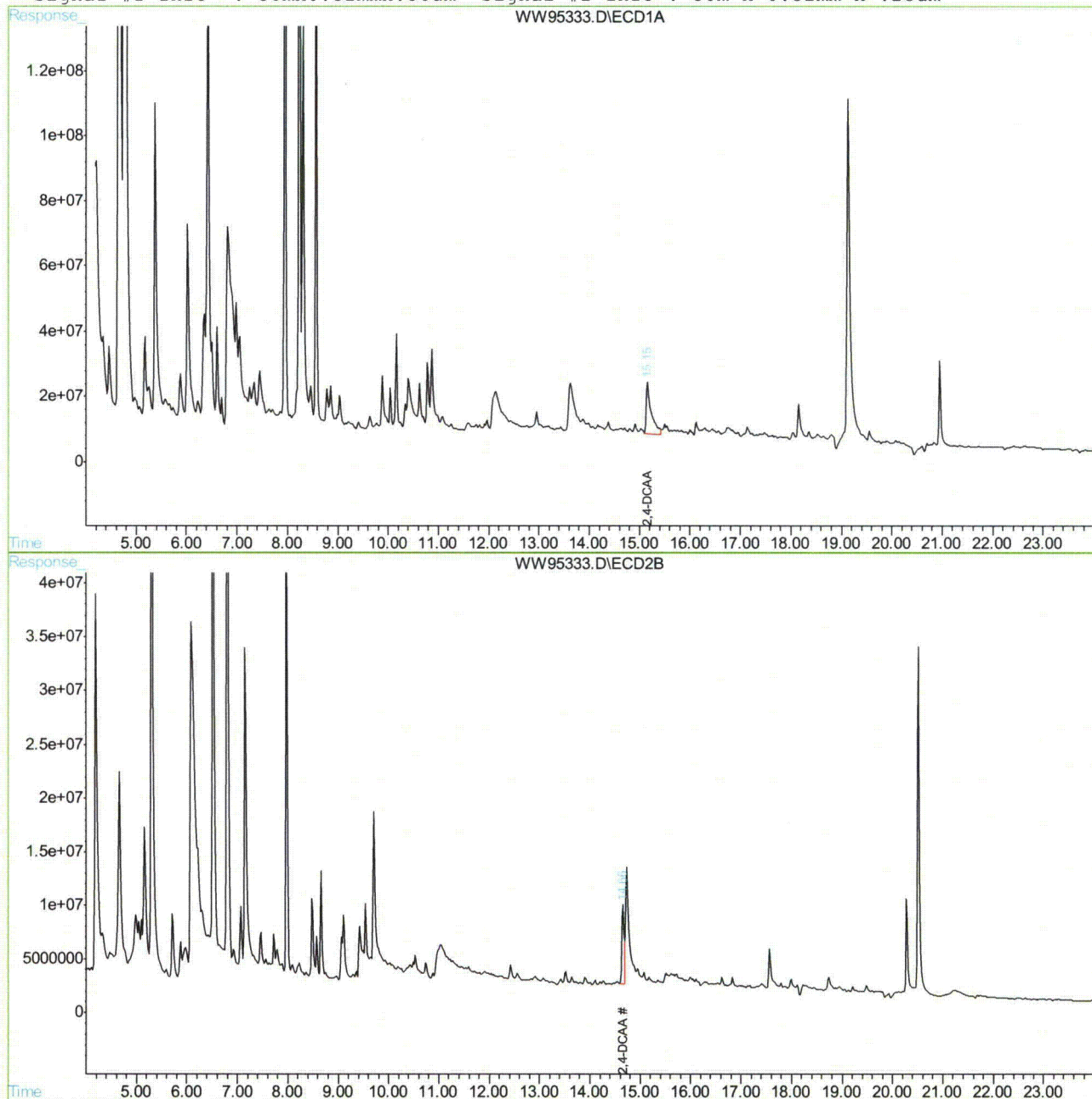


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95333.D\ECD1A.CH Vial: 31  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95333.D\ECD2B.CH  
Acq On : 22 Oct 2010 2:42 am Operator: toyar  
Sample : JA58750-15 Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:16 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:13:35 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95333.D HWW3143.M Mon Oct 25 15:16:40 2010 GCCD

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD1A.CH Vial: 32  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD2B.CH  
Acq On : 22 Oct 2010 3:08 am Operator: toyar  
Sample : JA58750-16 Inst : GCWW  
Misc : OP46195,Gww3334,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:39 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:38:33 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S 2,4-DCAA	15.21	14.77	314.2E6	842.6E6	142.878	896.403m#
Spiked Amount	500.000		Recovery	=	28.58%	179.28%

## Target Compounds

10.1.16  
10

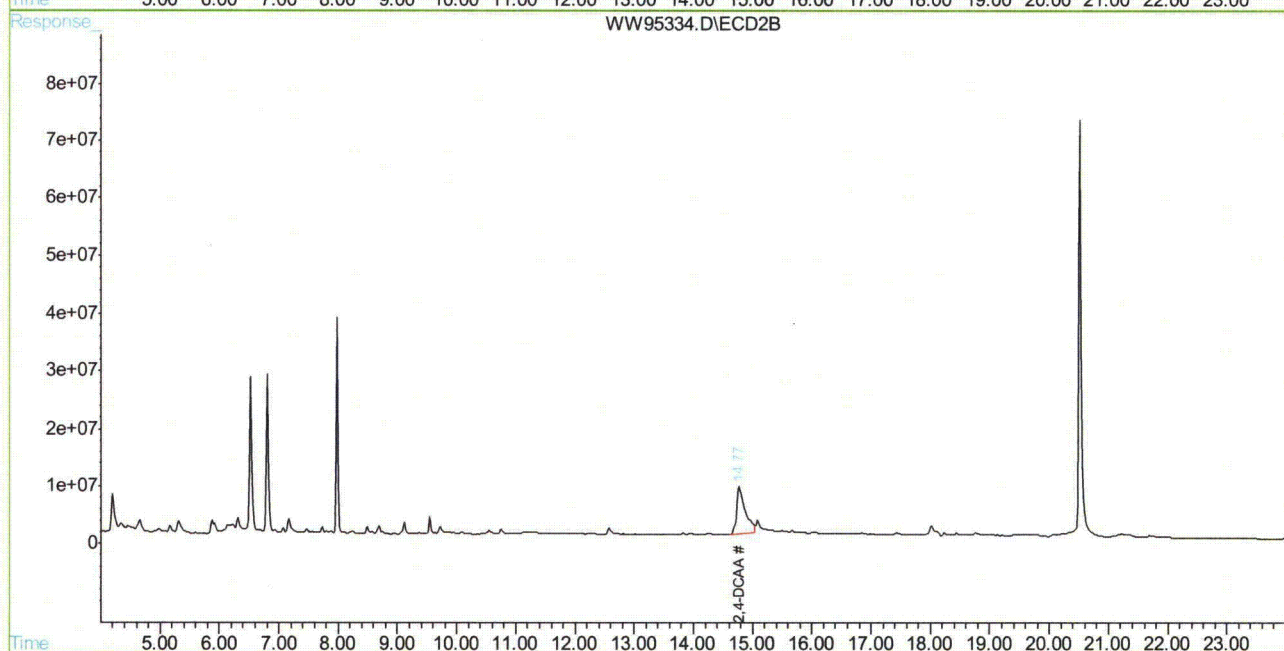
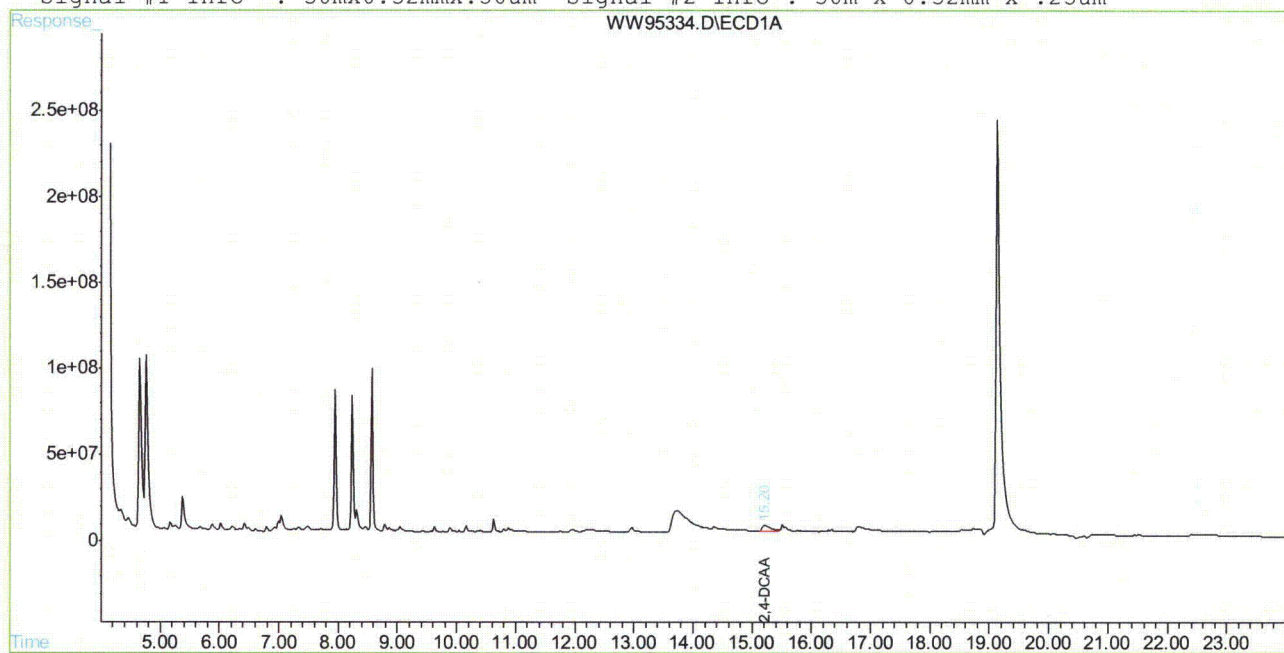
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95334.D HWW3143.M Mon Oct 25 15:40:05 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD1A.CH Vial: 32  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD2B.CH  
Acq On : 22 Oct 2010 3:08 am Operator: toyar  
Sample : JA58750-16 Inst : GCWW  
Misc : OP46195,Gww3334,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:39 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:38:33 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95334.D HWW3143.M Mon Oct 25 15:40:05 2010 GCCD

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-16      **Method:** SW846 8151  
**Lab FileID:** WW95334.D      **Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Injection Time:** 10/22/10 03:08      **Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

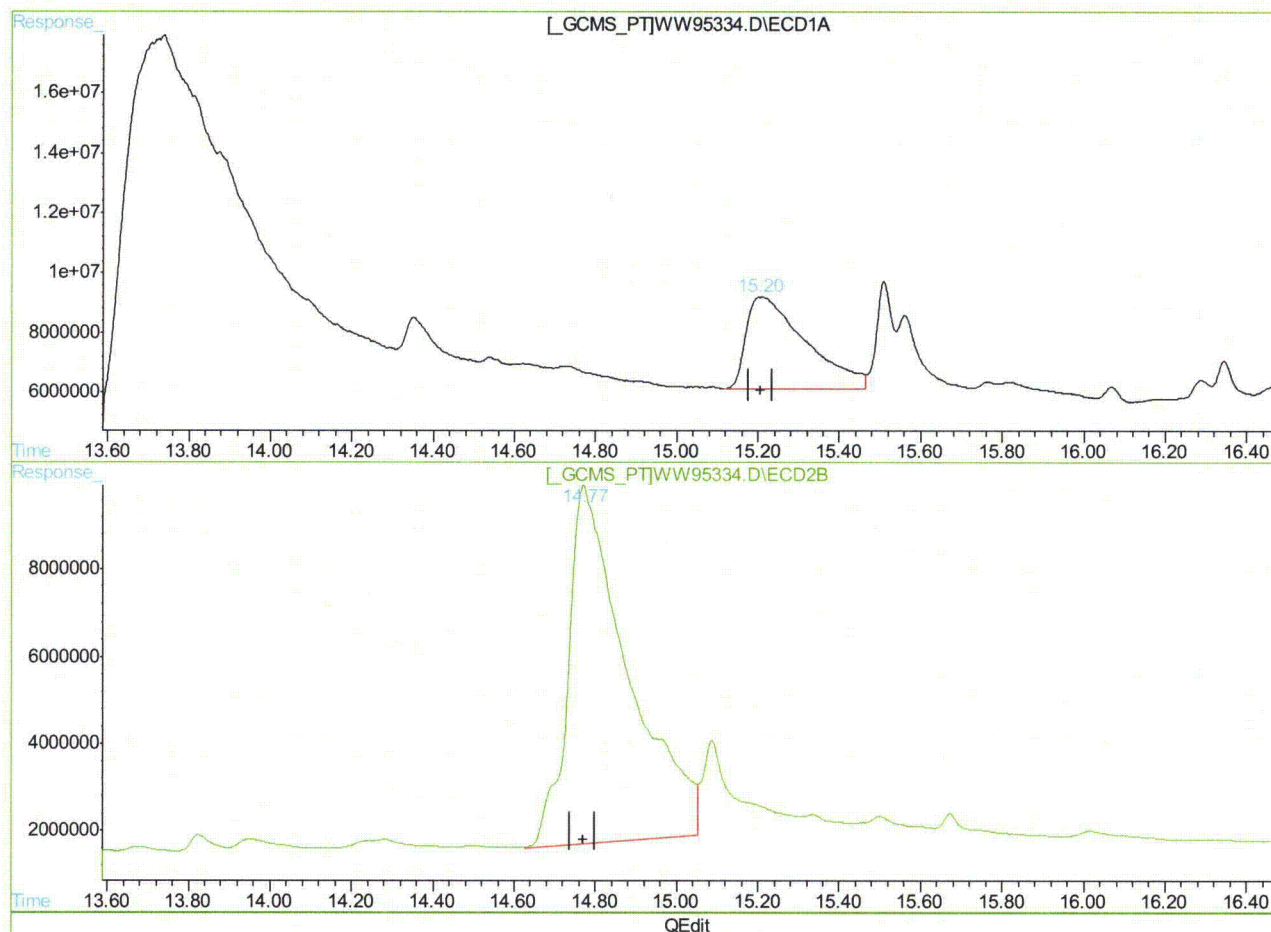
Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4-DCAA	19719-28-9	2	14.77	Poorly defined baseline

10.1.16.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD1A.CH Vial: 32  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95334.D\ECD2B.CH  
Acq On : 22 Oct 2010 3:08 am Operator: toyar  
Sample : JA58750-16 Inst : GCWW  
Misc : OP46195,Gww3334,35.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 15:38 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 15:38:33 2010  
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.21min 142.878PPB

response 314190689

(2) 2,4-DCAA #2 (S)

14.77min 896.403PPB m

response 842551305

(+) = Expected Retention Time

WW95334.D HWW3143.M

Mon Oct 25 15:39:54 2010

GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95231.D\ECD1A.CH Vial: 10  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95231.D\ECD2B.CH  
Acq On : 19 Oct 2010 3:27 pm Operator: toyar  
Sample : ja58750-17 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:37 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:34:57 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S 2,4-DCAA	15.15	14.65	959.0E6	238.1E6	436.121	253.360 #
Spiked Amount	500.000		Recovery	=	87.22%	50.67%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95231.D HWW3143.M Tue Oct 19 17:37:38 2010 GCCD

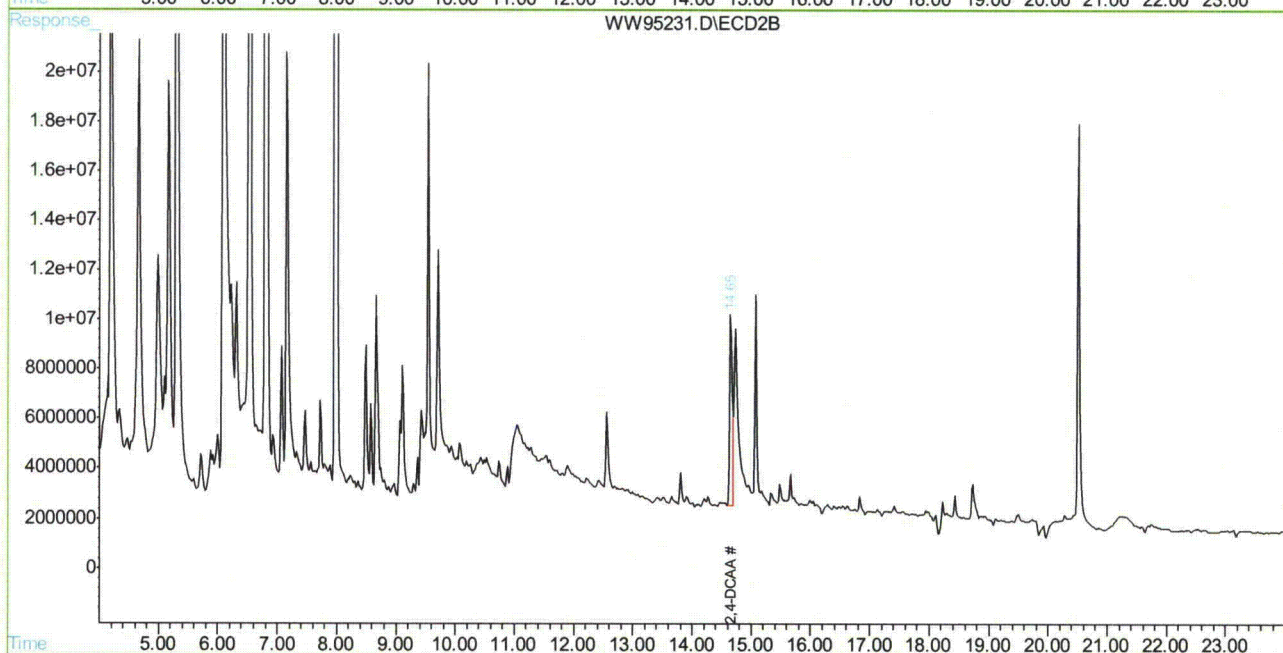
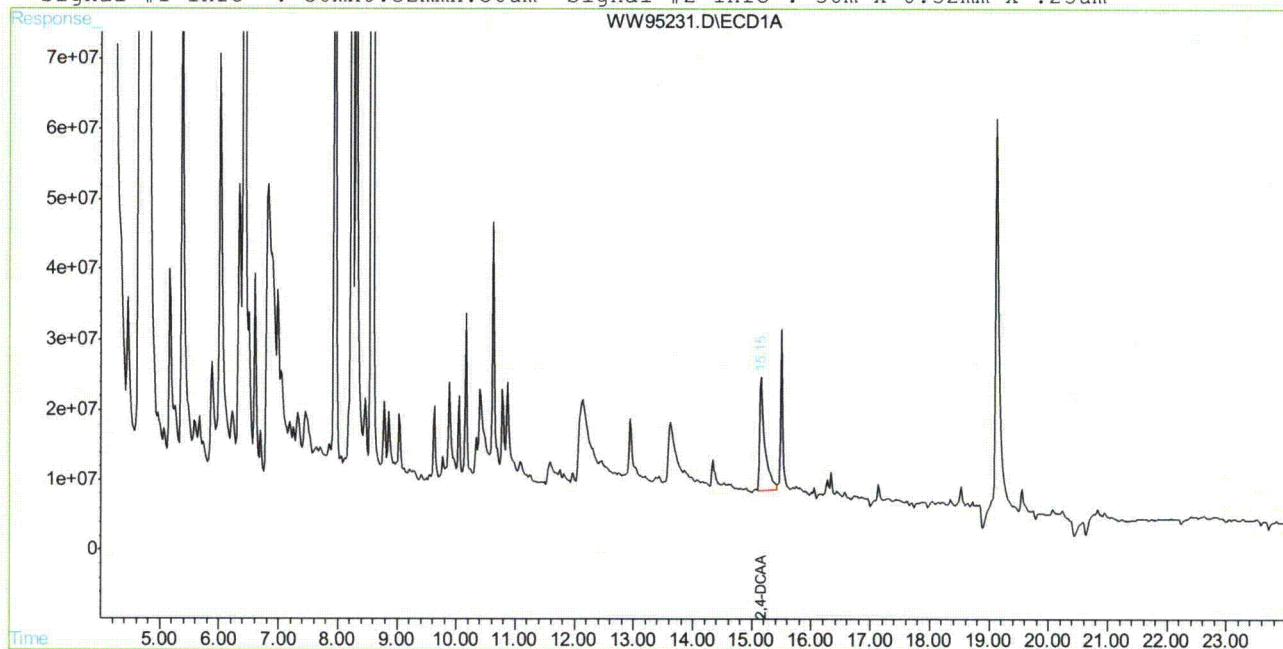


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95231.D\ECD1A.CH Vial: 10  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95231.D\ECD2B.CH  
Acq On : 19 Oct 2010 3:27 pm Operator: toyar  
Sample : ja58750-17 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:37 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:34:57 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95231.D HWW3143.M Tue Oct 19 17:37:39 2010 GCCD

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Cheng-Hwan Ao  
11/03/10 16:02

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD2B.CH  
Acq On : 20 Oct 2010 12:45 pm Operator: toyar  
Sample : JA58750-18 Inst : GCWW  
Misc : OP46195,Gww3332,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 20 14:14 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

2) S	2,4-DCAA	15.14	14.65	1050.7E6	225.1E6	477.796m	239.443 #
Spiked Amount	500.000			Recovery	=	95.56%	47.89%

Target Compounds

10.1.18  
10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95253.D HWW3143.M Wed Oct 20 14:23:21 2010 GCCD

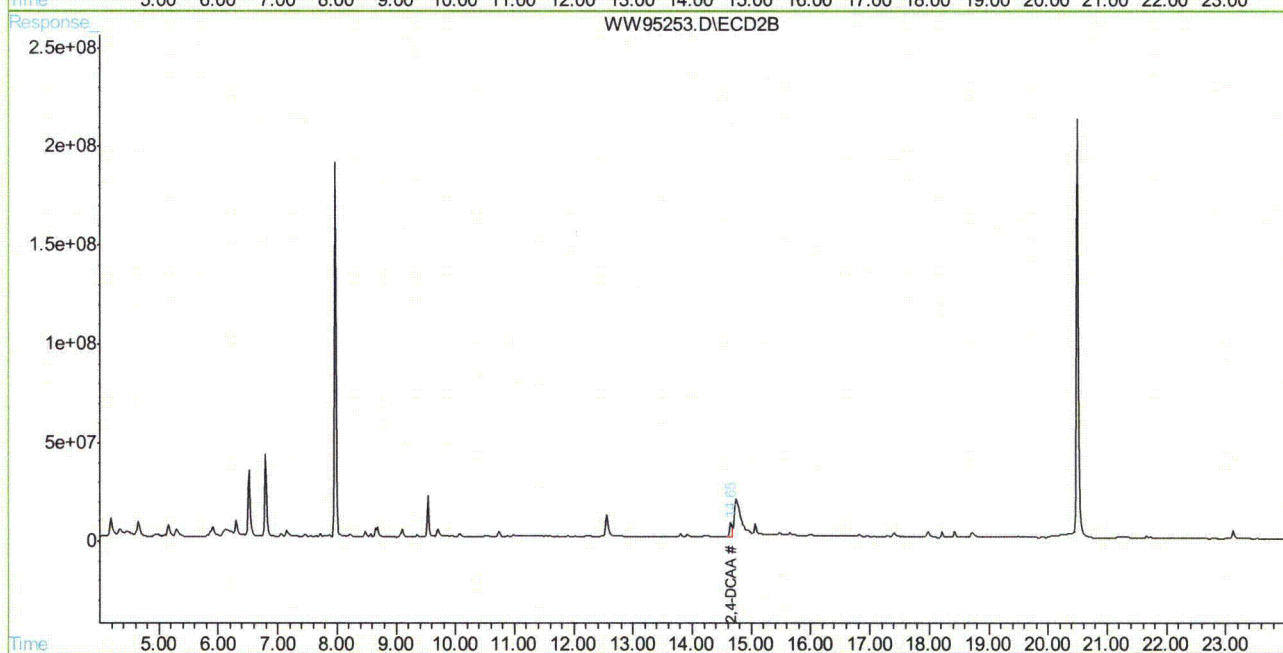
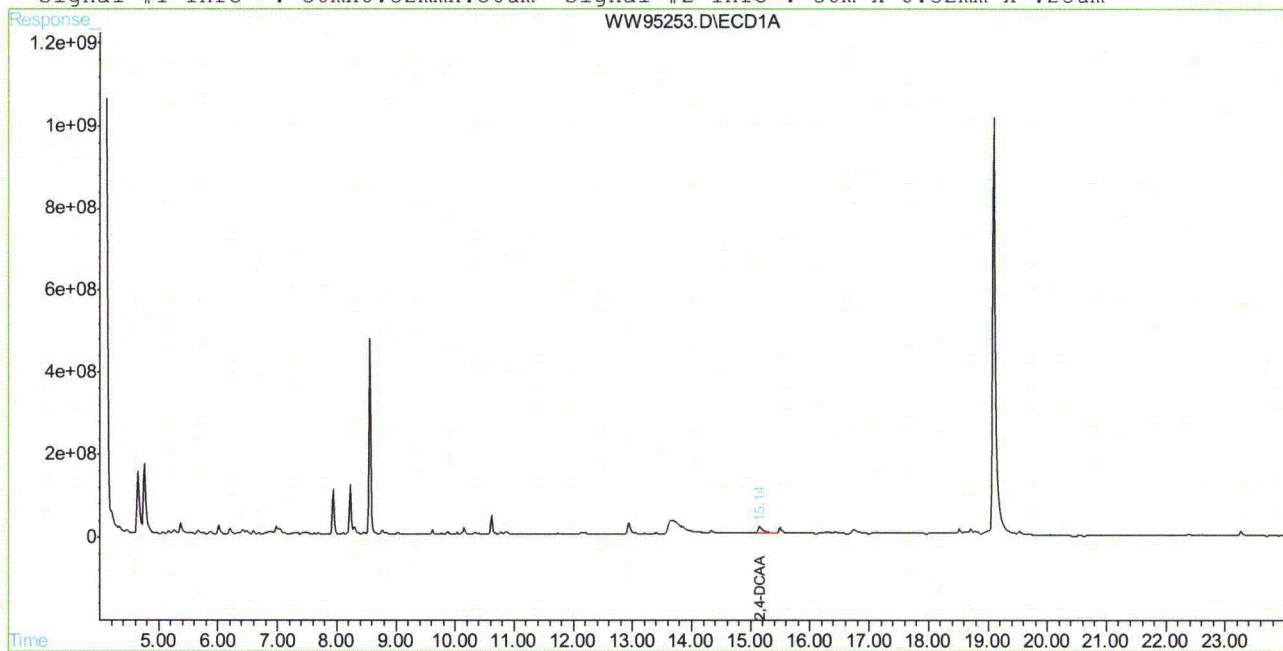


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD2B.CH  
Acq On : 20 Oct 2010 12:45 pm Operator: toyar  
Sample : JA58750-18 Inst : GCWW  
Misc : OP46195,Gww3332,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 20 14:14 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Fri Oct 08 10:13:02 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95253.D HWW3143.M

Wed Oct 20 14:23:21 2010

GCCD

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-18      **Method:** SW846 8151  
**Lab FileID:** WW95253.D      **Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Injection Time:** 10/20/10 12:45      **Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

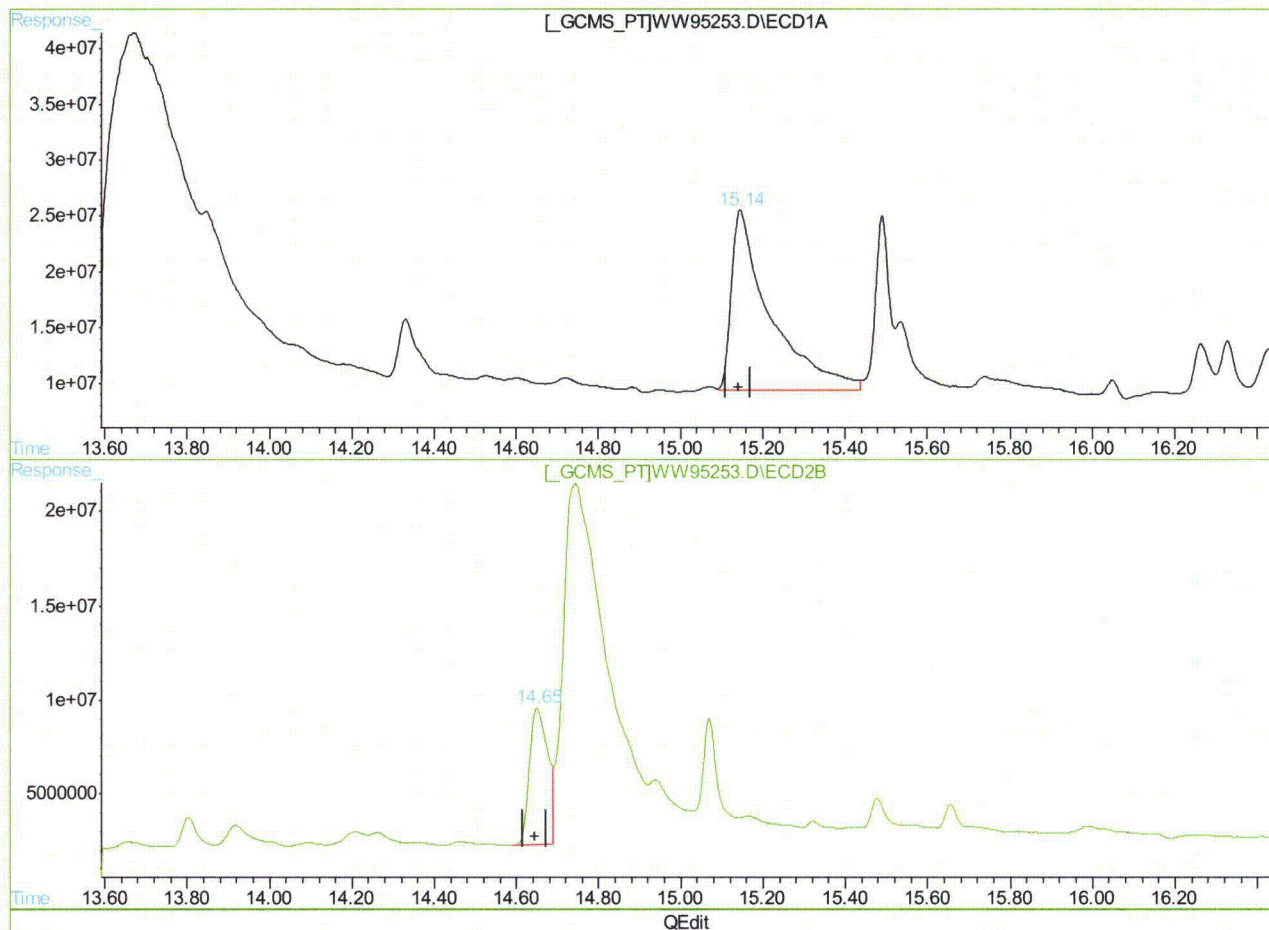
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,4-DCAA	19719-28-9	1	15.14	Poorly defined baseline

10.1.18.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GWW3332\WW95253.D\ECD2B.CH  
Acq On : 20 Oct 2010 12:45 pm Operator: toyar  
Sample : JA58750-18 Inst : GCWW  
Misc : OP462195Gww3332,35.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 20 13:09 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Wed Oct 20 12:33:50 2010  
Response via : Multiple Level Calibration



(2) 2,4-DCAA (S)

15.14min 477.796PPB m

response 1050680081

(2) 2,4-DCAA #2 (S)

14.65min 239.443PPB

response 225058430

(+) = Expected Retention Time  
WW95253.D HWW3143.M Wed Oct 20 14:14:07 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58378.D\ECD1A.CH Vial: 23  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58378.D\ECD2B.CH  
 Acq On : 01 Nov 2010 11:02 pm Operator: owenm  
 Sample : ja58750-1 Inst : GC1G  
 Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	615.6E6	192.9E6	28.613	29.215
Spiked Amount	40.000	Range	30 - 150	Recovery	=	71.53% 73.04%
34) SA Decachlorobiphen	8.62	10.25	1240.0E6	174.9E6	37.192	36.753
Spiked Amount	40.000	Range	30 - 150	Recovery	=	92.98% 91.88%

## Target Compounds

(f)=RT Delta > 1/2 Window  
 1G58378.D 1PST2127.M

Tue Nov 02 10:25:31 2010

(m)=manual int.  
 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58378.D\ECD1A.CH Vial: 23  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58378.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:02 pm Operator: owenm  
Sample : ja58750-1 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

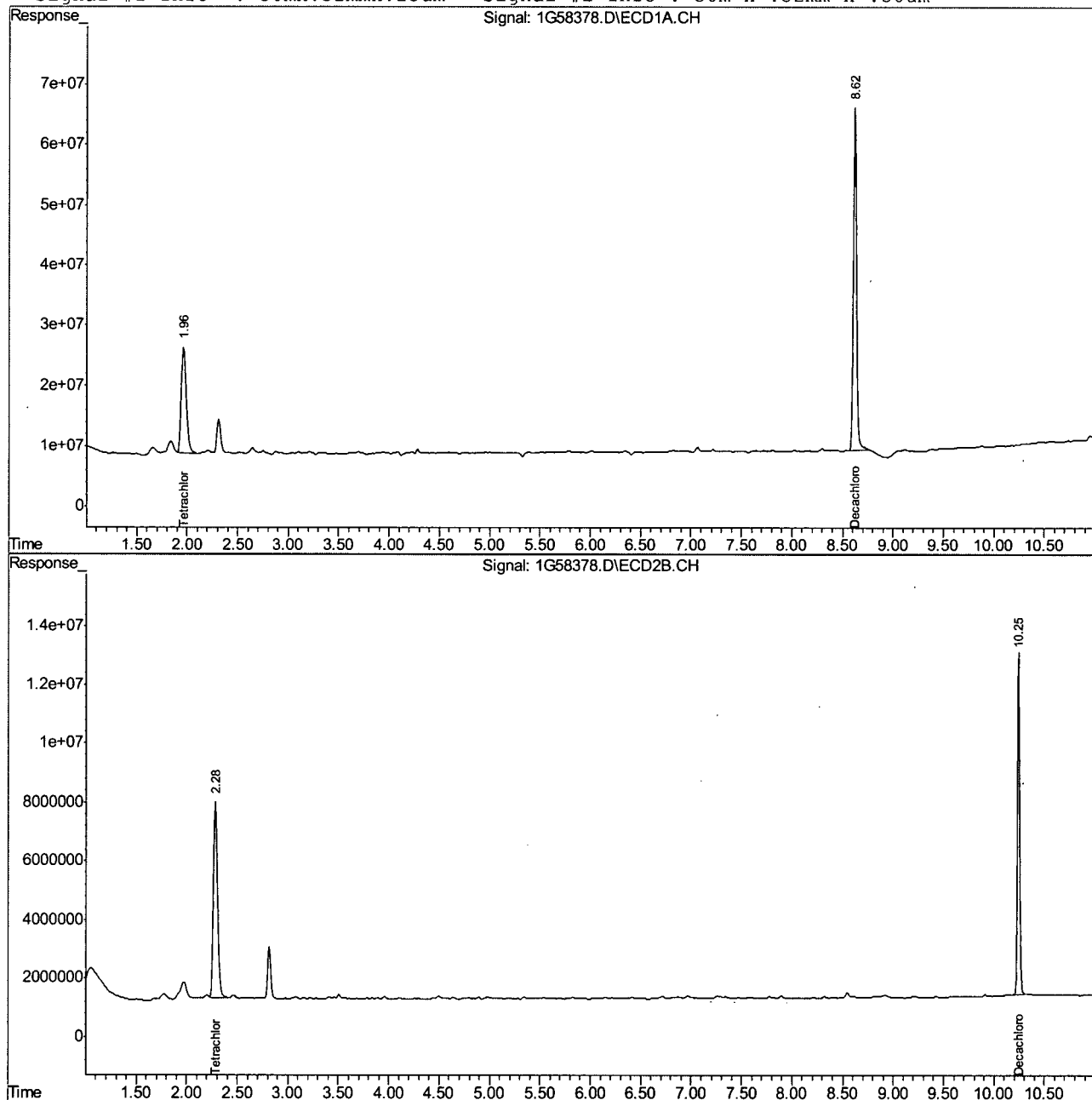
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58378.D 1PST2127.M

Tue Nov 02 10:25:31 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD1A.CH Vial: 24  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:18 pm Operator: owenm  
Sample : ja58750-2 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	588.4E6	197.5E6	27.349	29.907
Spiked Amount	40.000	Range	30 - 150	Recovery	=	68.37% 74.77%
34) SA Decachlorobiphen	8.62	10.25	1131.0E6	159.9E6	33.924m	33.606
Spiked Amount	40.000	Range	30 - 150	Recovery	=	84.81% 84.02%
Target Compounds						
18) MA 4,4'-DDT	5.35f	6.72	70990187	20542648	2.522	4.286

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD1A.CH Vial: 24  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:18 pm Operator: owenm  
Sample : ja58750-2 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

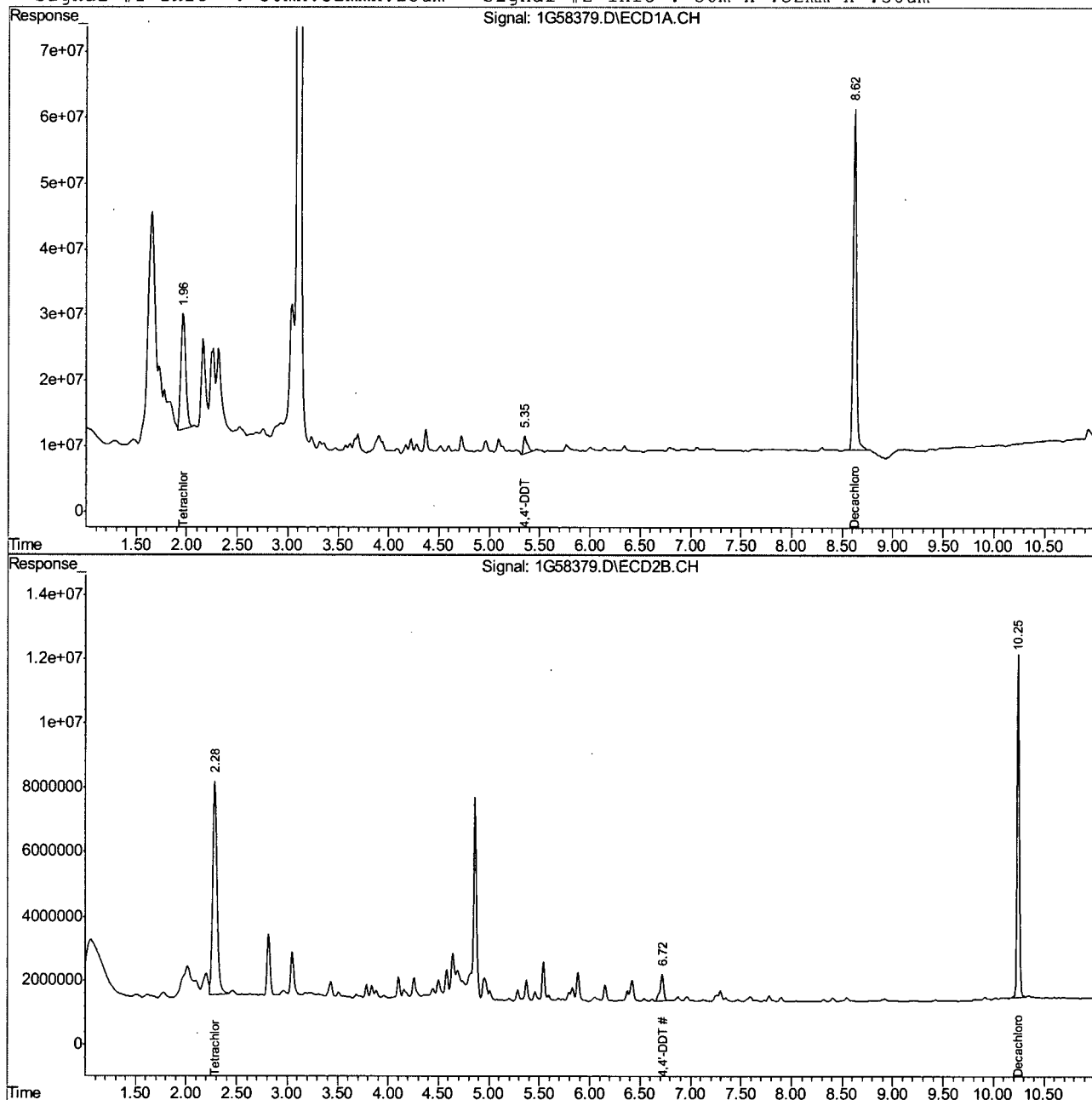
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58379.D 1PST2127.M

Tue Nov 02 10:26:04 2010

RPT1

Page 2

10.1.20 10

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-2      **Method:** SW846 8081A  
**Lab FileID:** 1G58379.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/01/10 23:18      **Supervisor approved:** 11/03/10 14:10 Owen McKenna

Parameter	CAS	Sig#	R. T. (min.)	Reason
Decachlorobiphenyl	2051-24-3	1	8.62	Poorly defined baseline

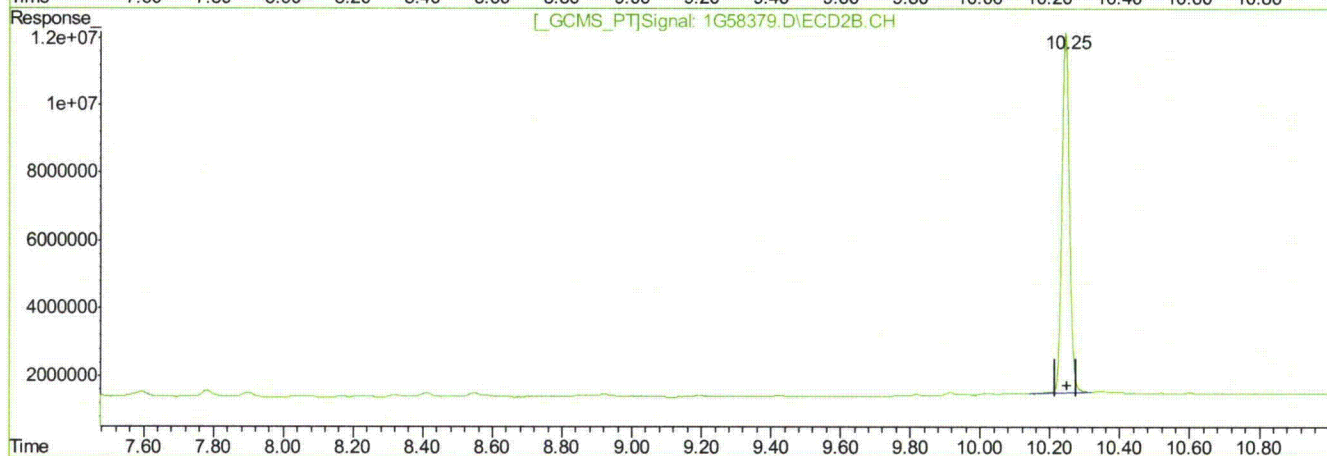
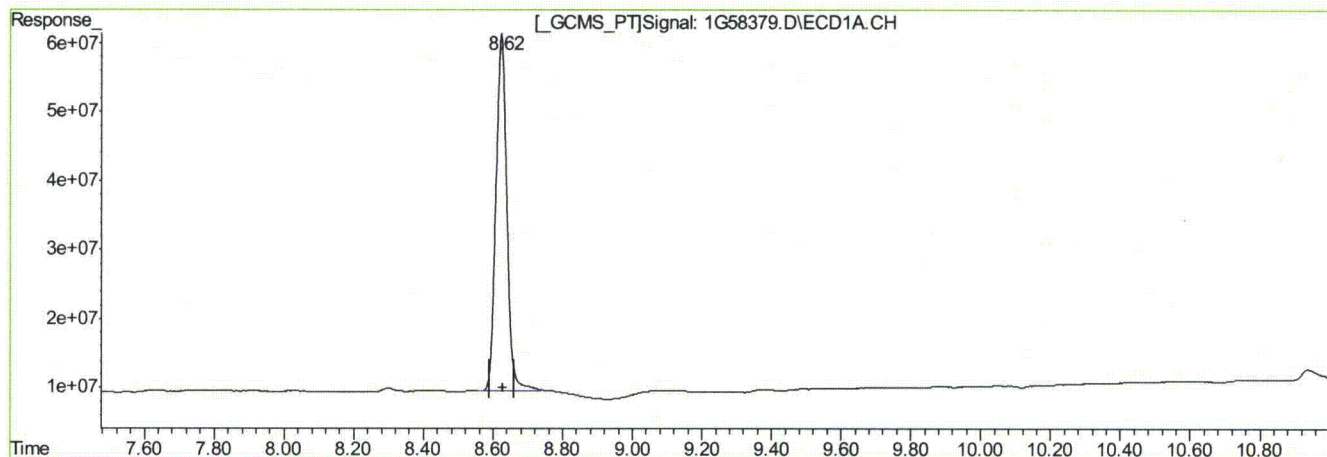
10.1.20.1  
10



## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD1A.CH Vial: 24  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58379.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:18 pm Operator: owenm  
Sample : ja58750-2 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:25 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(34) Decachlorobiphenyl (SA)

8.62min 33.924PPB m

response 1131027803

(34) Decachlorobiphenyl #2 (SA)

10.25min 33.606PPB

response 159894120

(+) = Expected Retention Time

1G58379.D 1PST2127.M

Tue Nov 02 10:25:52 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD1A.CH Vial: 25  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:33 pm Operator: owenm  
Sample : ja58750-3 Inst : GC1G  
Misc : op46352,g1g2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	708.4E6	207.5E6	32.926	31.424
Spiked Amount	40.000	Range	30 - 150	Recovery	=	82.31% 78.56%
34) SA Decachlorobiphen	8.62	10.25	1304.0E6	183.0E6	39.112m	38.459
Spiked Amount	40.000	Range	30 - 150	Recovery	=	97.78% 96.15%

## Target Compounds

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD1A.CH Vial: 25  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:33 pm Operator: owenm  
Sample : ja58750-3 Inst : GC1G  
Misc : op46352,g1g2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

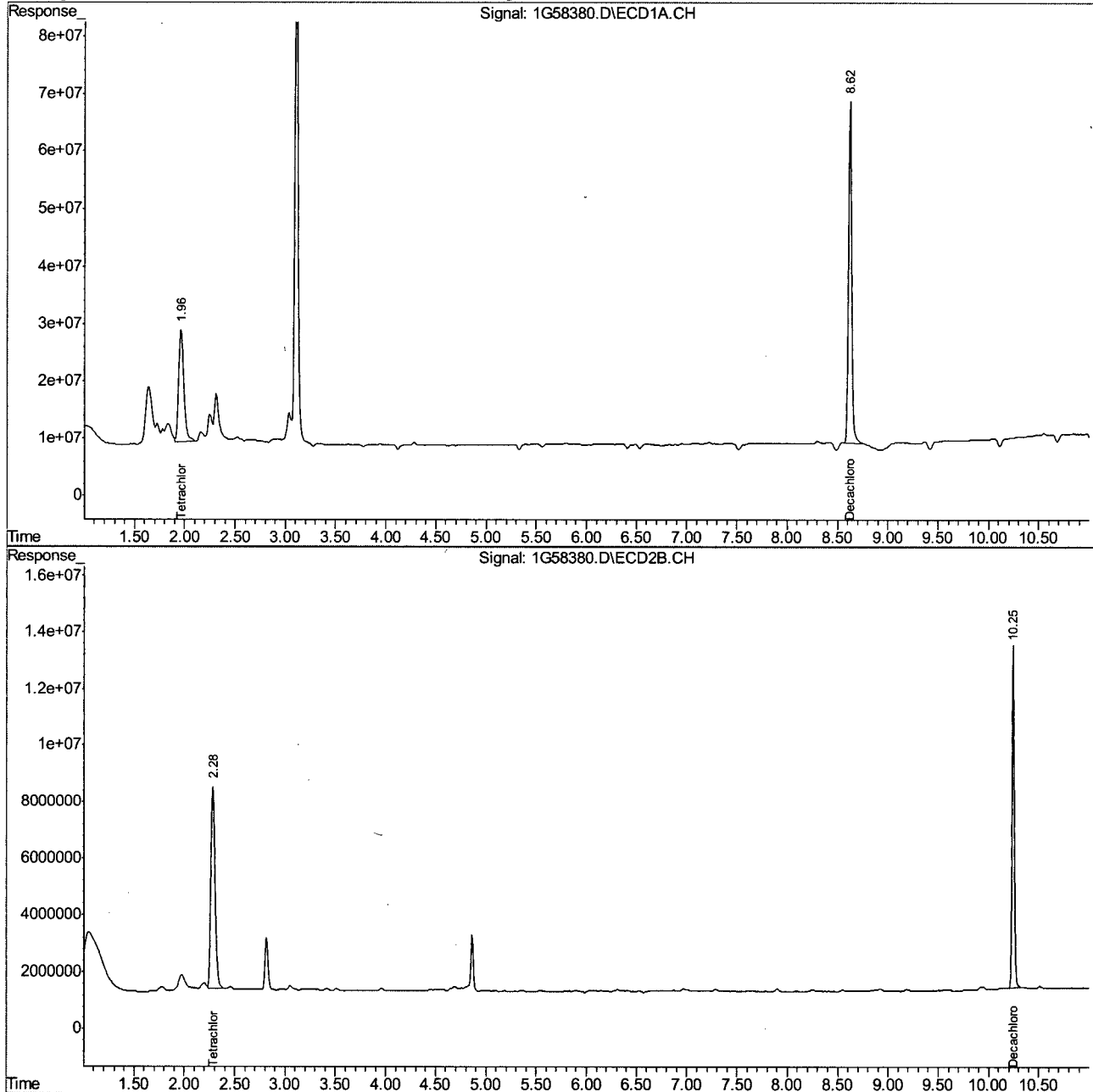
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58380.D 1PST2127.M

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RPT1

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-3      **Method:** SW846 8081A  
**Lab FileID:** 1G58380.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/01/10 23:33      **Supervisor approved:** 11/03/10 14:10 Owen McKenna

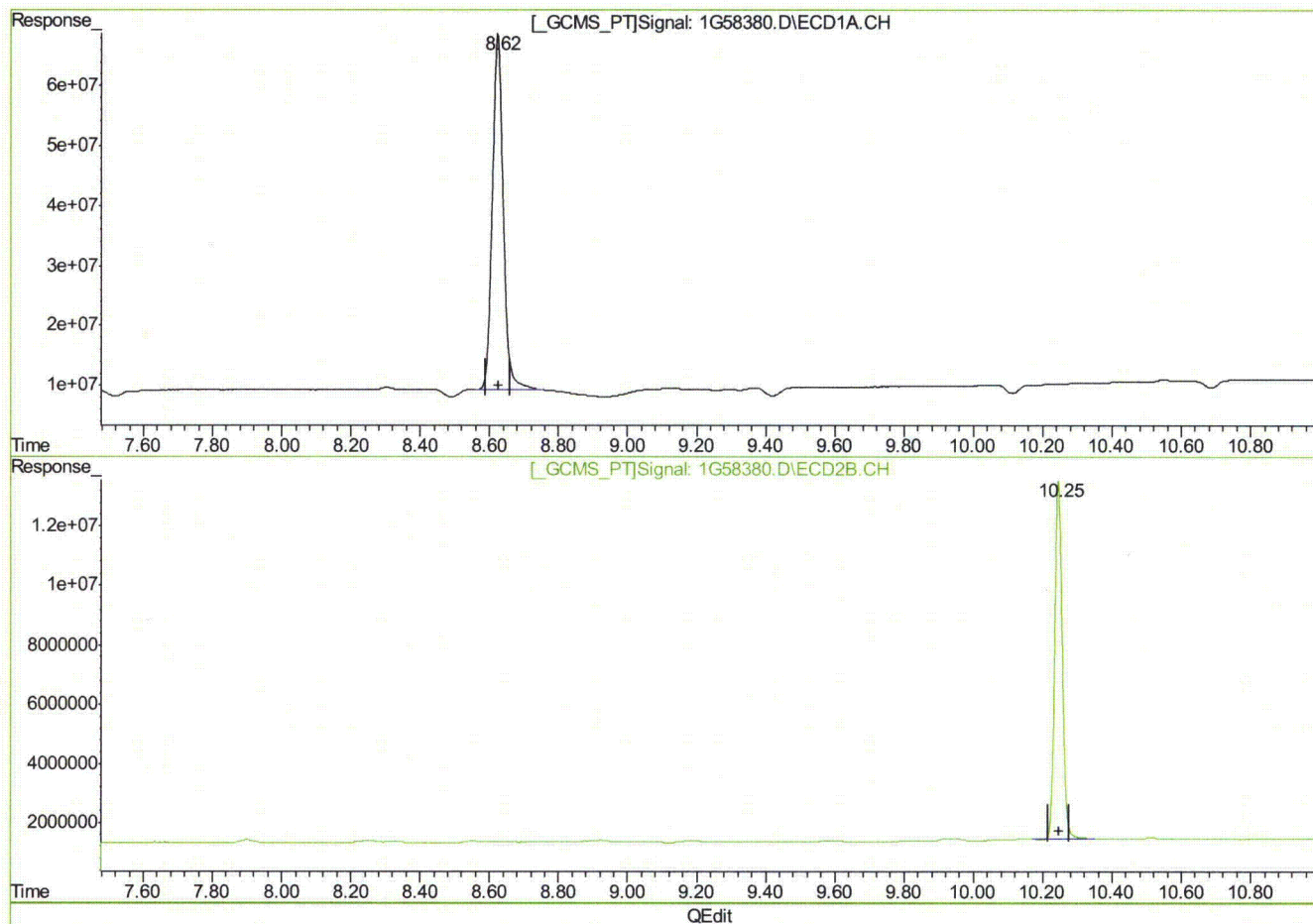
Parameter	CAS	Sig#	R.T. (min.)	Reason
Decachlorobiphenyl	2051-24-3	1	8.62	Poorly defined baseline

10.1.21.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD1A.CH Vial: 25  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58380.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:33 pm Operator: owenm  
Sample : ja58750-3 Inst : GC1G  
Misc : op46352,glg2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:26 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(34) Decachlorobiphenyl (SA)

8.62min 39.112PPB m

response 1303972452

(34) Decachlorobiphenyl #2 (SA)

10.25min 38.459PPB

response 182986458

(+) = Expected Retention Time

1G58380.D 1PST2127.M

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RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58383.D\ECD1A.CH Vial: 28  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58383.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:18 am Operator: owenm  
Sample : ja58750-4 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	682.6E6	200.5E6	31.727	30.362
Spiked Amount	40.000	Range	30 - 150	Recovery	=	79.32% 75.91%
34) SA Decachlorobiphen	8.62	10.25	1278.7E6	181.1E6	38.354	38.072
Spiked Amount	40.000	Range	30 - 150	Recovery	=	95.88% 95.18%

## Target Compounds

(f)=RT Delta &gt; 1/2 Window

1G58383.D 1PST2127.M

Tue Nov 02 10:26:58 2010

(m)=manual int.

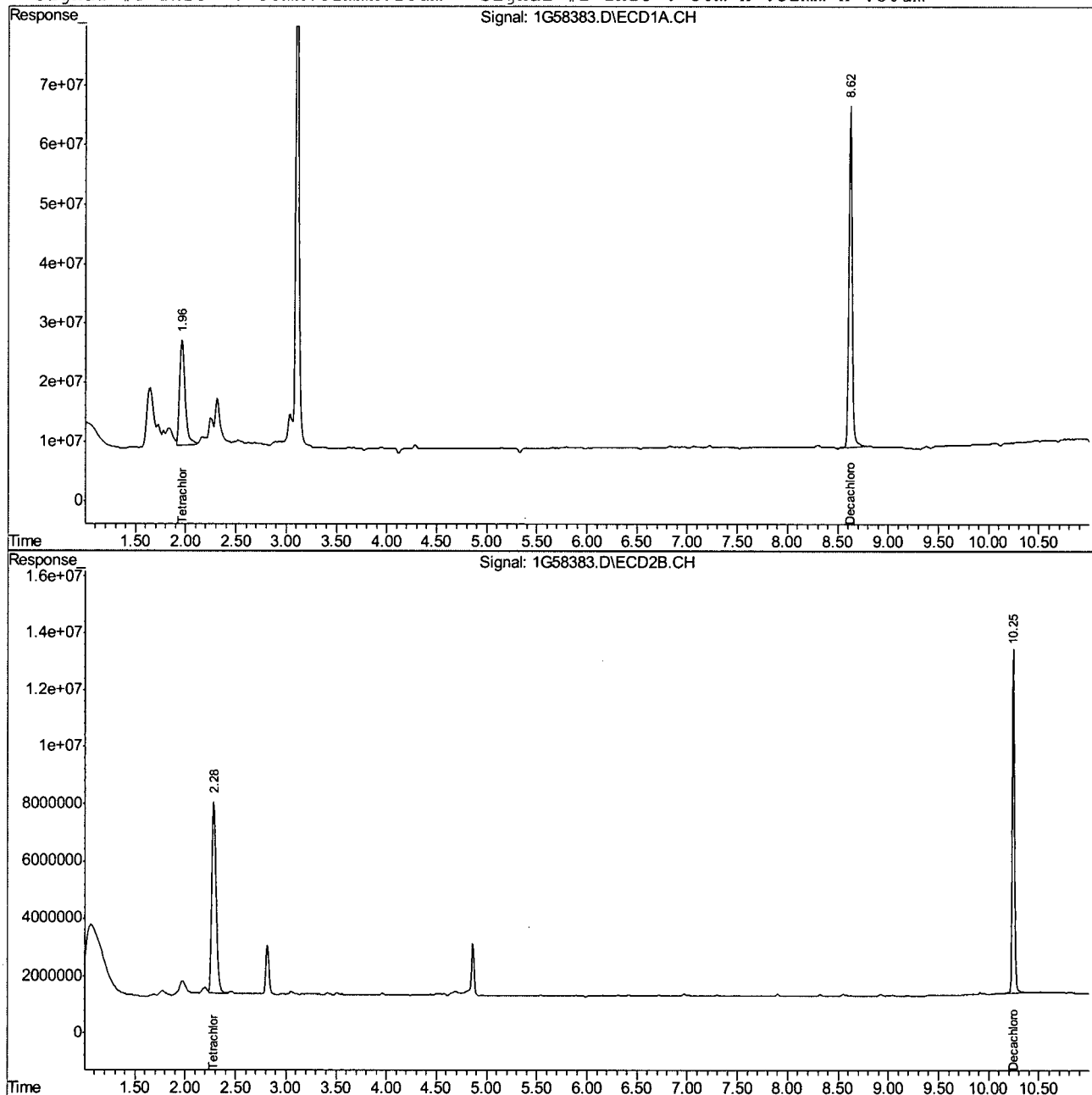
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58383.D\ECD1A.CH Vial: 28  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58383.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:18 am Operator: owenm  
Sample : ja58750-4 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58383.D 1PST2127.M

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RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58384.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58384.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:33 am Operator: owenm  
Sample : ja58750-5 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	486.5E6	168.2E6	22.612	25.477
Spiked Amount	40.000	Range	30 - 150	Recovery	=	56.53% 63.69%
34) SA Decachlorobiphen	8.62	10.25	1357.8E6	175.6E6	40.726	36.903
Spiked Amount	40.000	Range	30 - 150	Recovery	=	101.81% 92.26%

## Target Compounds

(f)=RT Delta > 1/2 Window  
1G58384.D 1PST2127.M

Tue Nov 02 10:27:16 2010

(m)=manual int.  
RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58384.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58384.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:33 am Operator: owenm  
Sample : ja58750-5 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

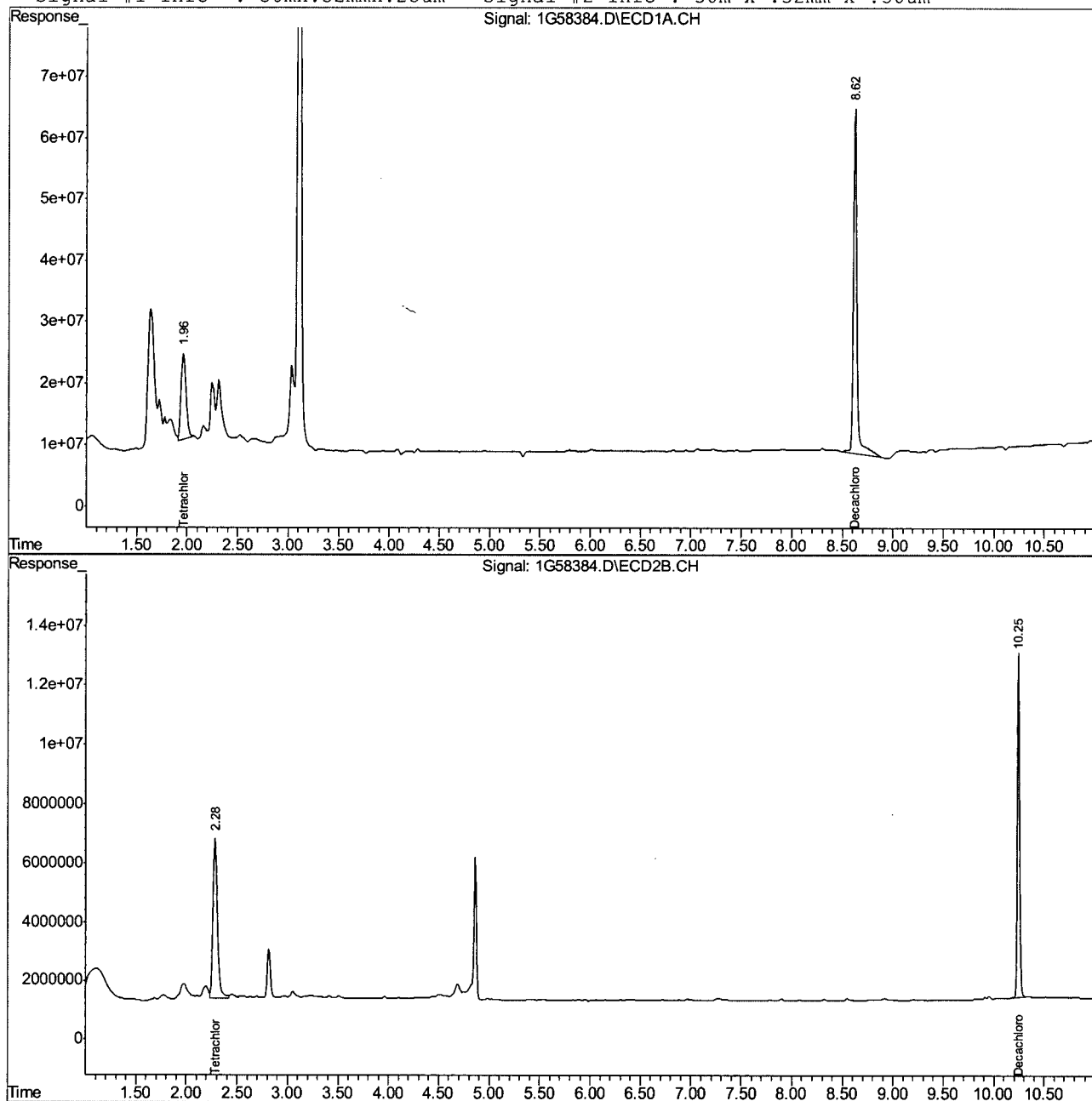
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58385.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58385.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:48 am Operator: owenm  
Sample : ja58750-6 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	643.3E6	191.9E6	29.903	29.064
Spiked Amount	40.000	Range	30 - 150	Recovery	=	74.76% 72.66%
34) SA Decachlorobiphen	8.62	10.25	1389.7E6	185.5E6	41.683	38.985
Spiked Amount	40.000	Range	30 - 150	Recovery	=	104.21% 97.46%

## Target Compounds

(f)=RT Delta &gt; 1/2 Window

1G58385.D 1PST2127.M

Tue Nov 02 10:27:33 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58385.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58385.D\ECD2B.CH  
Acq On : 02 Nov 2010 12:48 am Operator: owenm  
Sample : ja58750-6 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

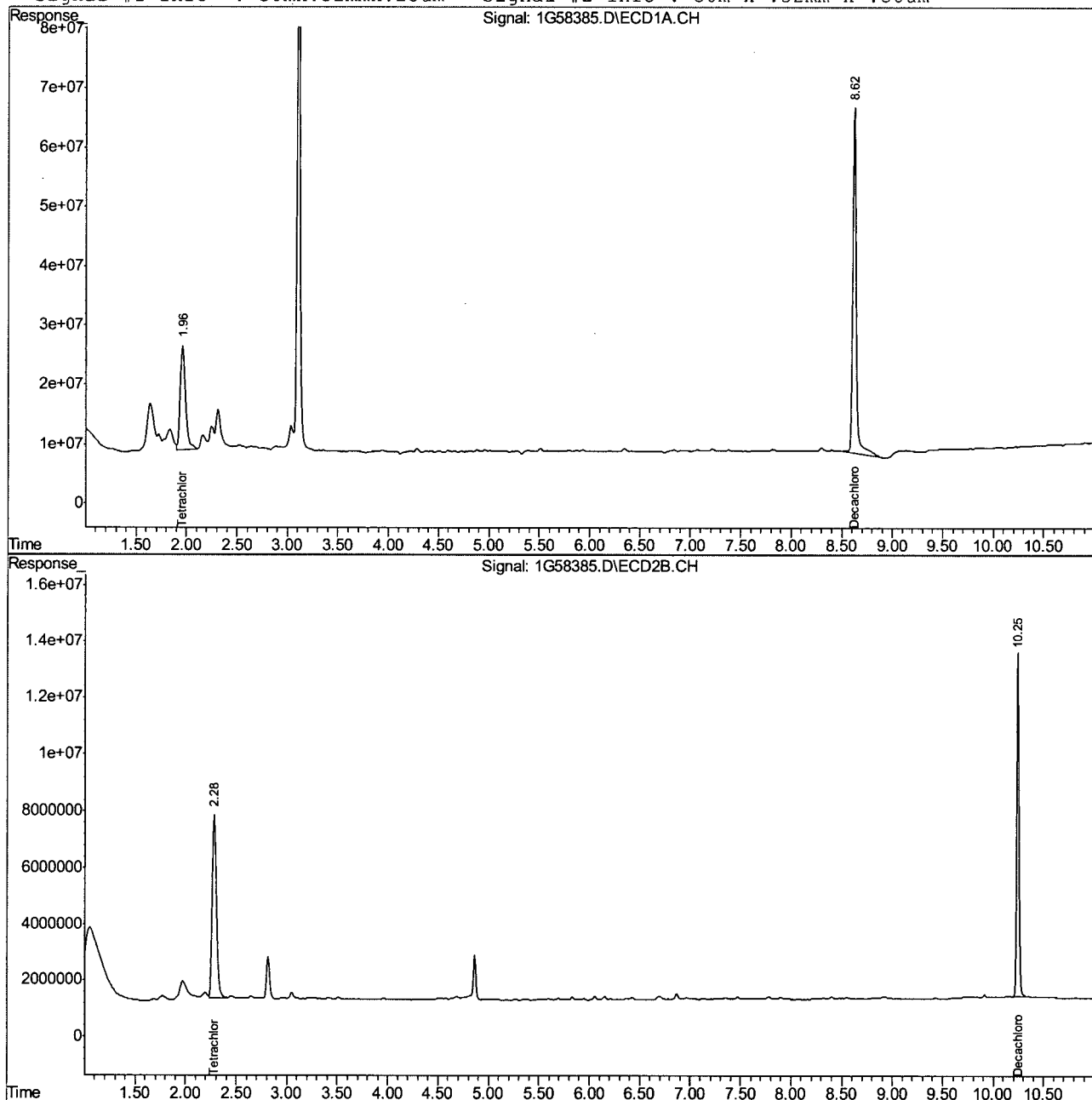
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58385.D 1PST2127.M

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RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58399.D\ECD1A.CH Vial: 44  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58399.D\ECD2B.CH  
 Acq On : 11-2-10 04:20:19 AM Operator: owenm  
 Sample : ja58750-7 Inst : GC1G  
 Misc : op46352,glg2128,17.2,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:18 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
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## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.97	2.29	861.5E6	245.0E6	40.042	37.111
Spiked Amount	40.000	Range	30 - 150	Recovery	= 100.11%	92.78%
34) SA Decachlorobiphen	8.62	10.24	1403.8E6	195.3E6	42.105	41.053
Spiked Amount	40.000	Range	30 - 150	Recovery	= 105.26%	102.63%

## Target Compounds

(f)=RT Delta > 1/2 Window  
 1G58399.D 1PST2127.M

Tue Nov 02 10:18:40 2010

(m)=manual int.  
 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58399.D\ECD1A.CH Vial: 44  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58399.D\ECD2B.CH  
Acq On : 11-2-10 04:20:19 AM Operator: owenm  
Sample : ja58750-7 Inst : GC1G  
Misc : op46352,g1g2128,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:18 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

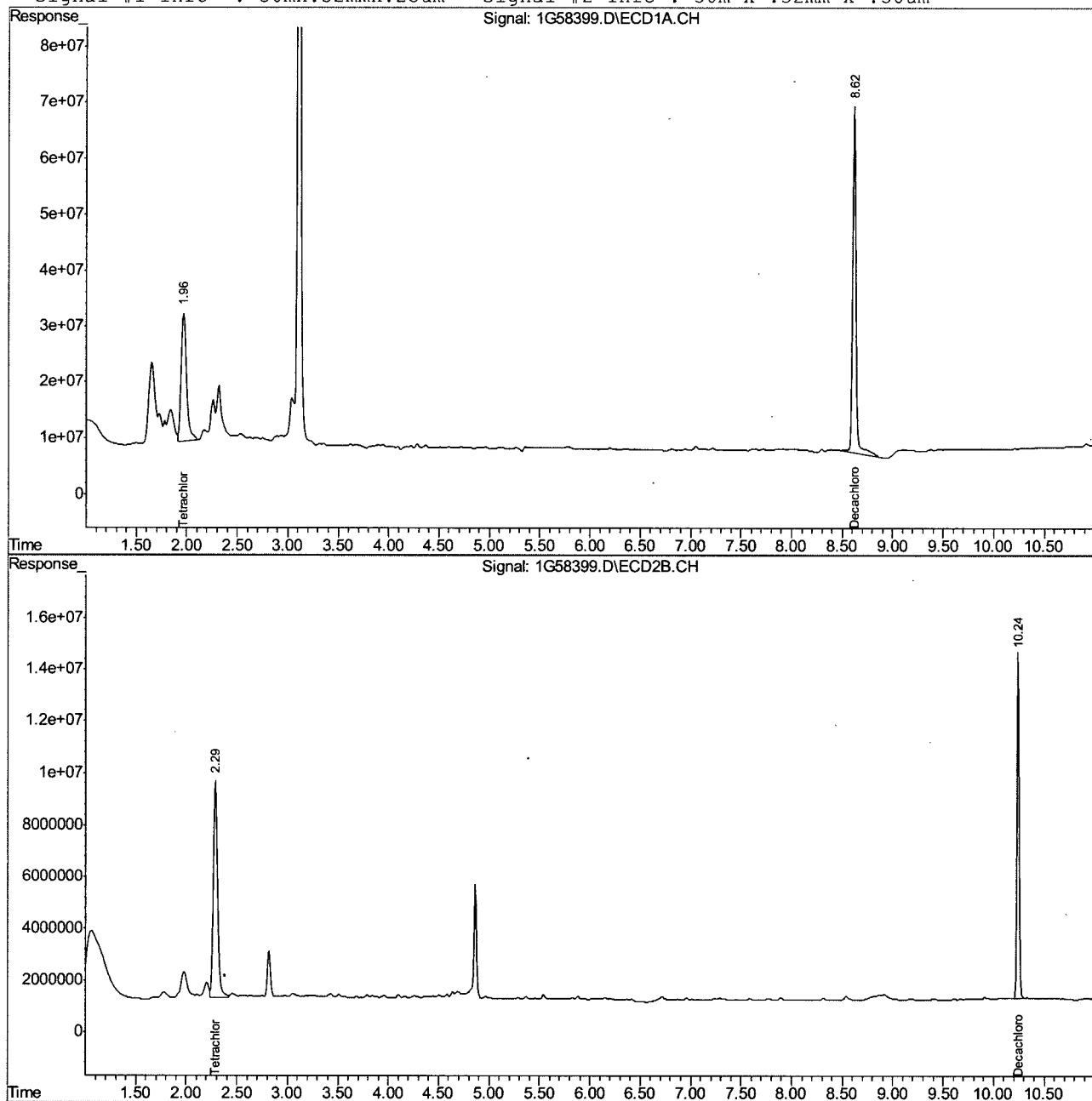
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58399.D 1PST2127.M

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RPT1

Page 2

10.1.25 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58386.D\ECD1A.CH Vial: 31  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58386.D\ECD2B.CH  
 Acq On : 11-2-10 01:03:53 AM Operator: owenm  
 Sample : ja58750-8 Inst : GC1G  
 Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	583.8E6	179.2E6	27.135	27.149
Spiked Amount	40.000	Range	30 - 150	Recovery	=	67.84%
34) SA Decachlorobiphen	8.62	10.25	1340.0E6	177.1E6	40.192	37.224
Spiked Amount	40.000	Range	30 - 150	Recovery	=	100.48%

## Target Compounds

(f)=RT Delta &gt; 1/2 Window

1G58386.D 1PST2127.M

Tue Nov 02 10:27:58 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58386.D\ECD1A.CH Vial: 31  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58386.D\ECD2B.CH  
Acq On : 11-2-10 01:03:53 AM Operator: owenm  
Sample : ja58750-8 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

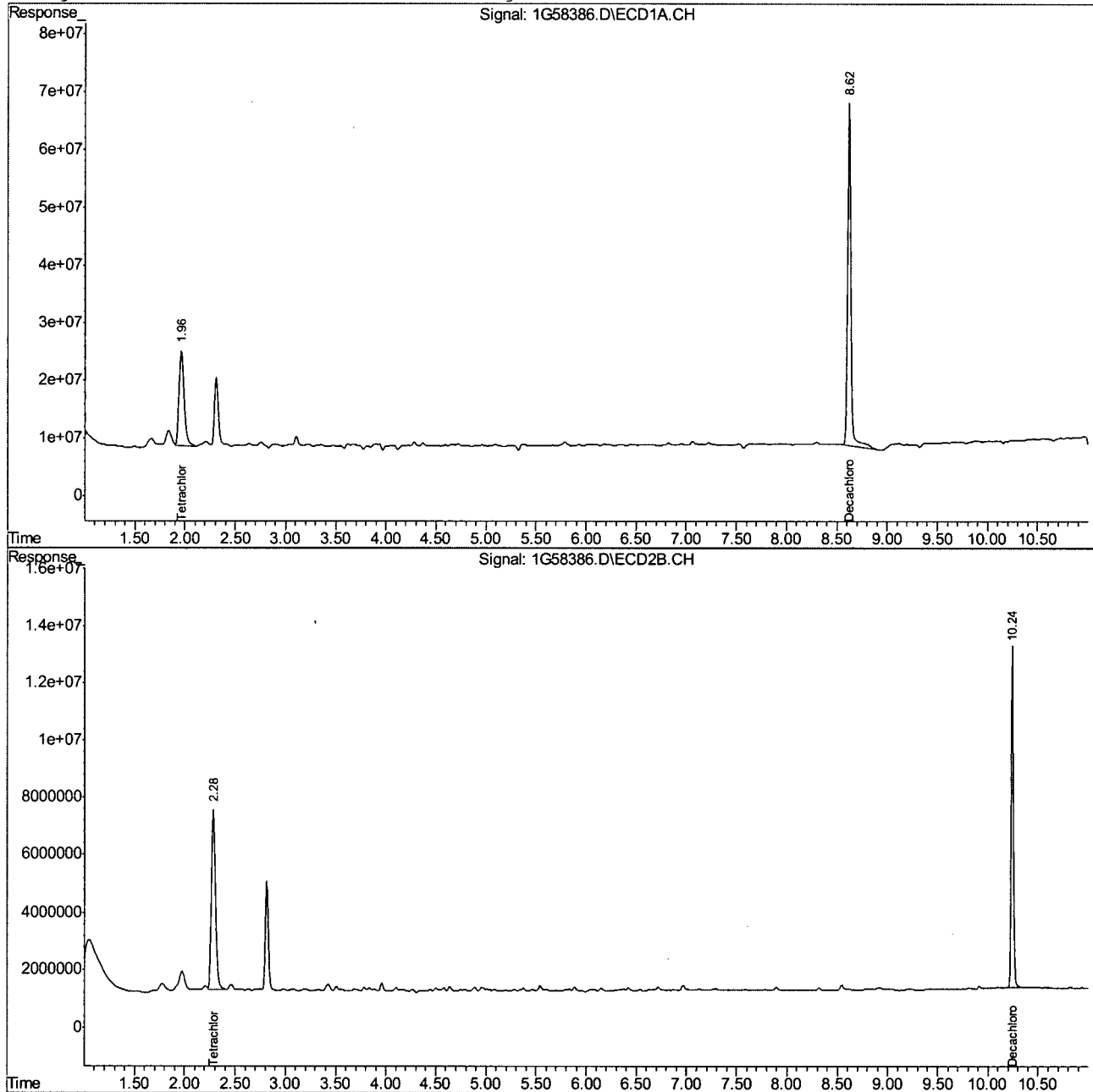
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



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RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58387.D\ECD1A.CH Vial: 32  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58387.D\ECD2B.CH  
 Acq On : 11-2-10 01:18:58 AM Operator: owenm  
 Sample : ja58750-9 Inst : GC1G  
 Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:28 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	606.9E6	181.0E6	28.210	27.409
Spiked Amount	40.000	Range	30 - 150	Recovery	=	70.53% 68.52%
34) SA Decachlorobiphen	8.62	10.25	1412.8E6	182.8E6	42.377	38.410
Spiked Amount	40.000	Range	30 - 150	Recovery	=	105.94% 96.02%

## Target Compounds

10.1.27 10



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58387.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58387.D\ECD2B.CH  
Acq On : 11-2-10 01:18:58 AM Operator: owenm  
Sample : ja58750-9 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:28 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

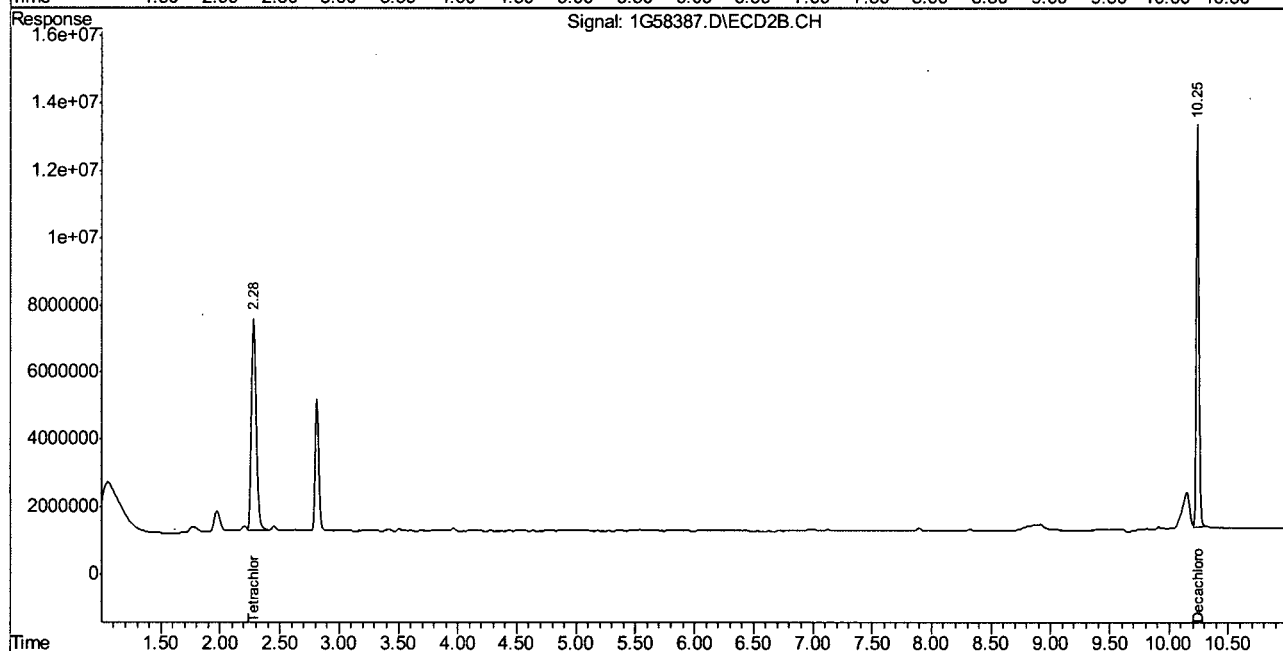
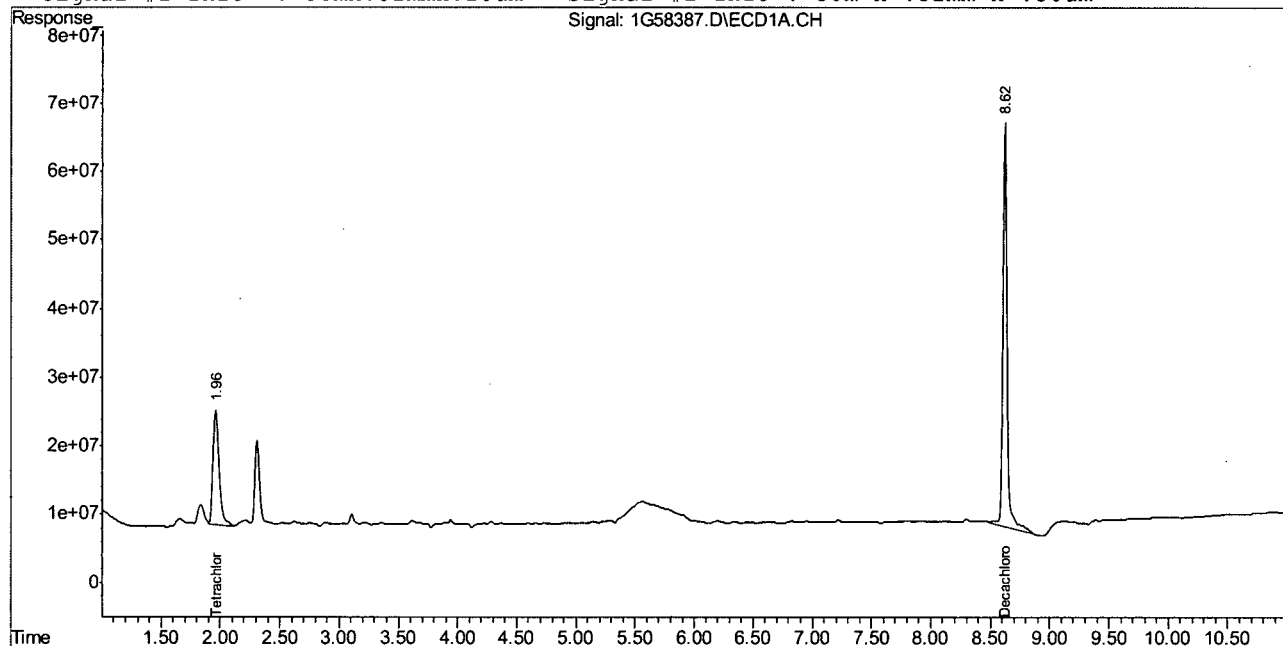
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58387.D 1PST2127.M

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RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD1A.CH Vial: 33  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD2B.CH  
 Acq On : 11-2-10 01:34:09 AM Operator: owenm  
 Sample : ja58750-10 Inst : GC1G  
 Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	566.9E6	206.4E6	26.352m	31.268m
Spiked Amount	40.000	Range	30 - 150	Recovery	=	65.88% 78.17%
34) SA Decachlorobiphen	8.62	10.24	1509.9E6	189.5E6	45.287	39.834
Spiked Amount	40.000	Range	30 - 150	Recovery	=	113.22% 99.59%

## Target Compounds

(f)=RT Delta &gt; 1/2 Window

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Tue Nov 02 10:29:16 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD1A.CH Vial: 33  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD2B.CH  
Acq On : 11-2-10 01:34:09 AM Operator: owenm  
Sample : ja58750-10 Inst : GC1G  
Misc : op46352,g1g2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

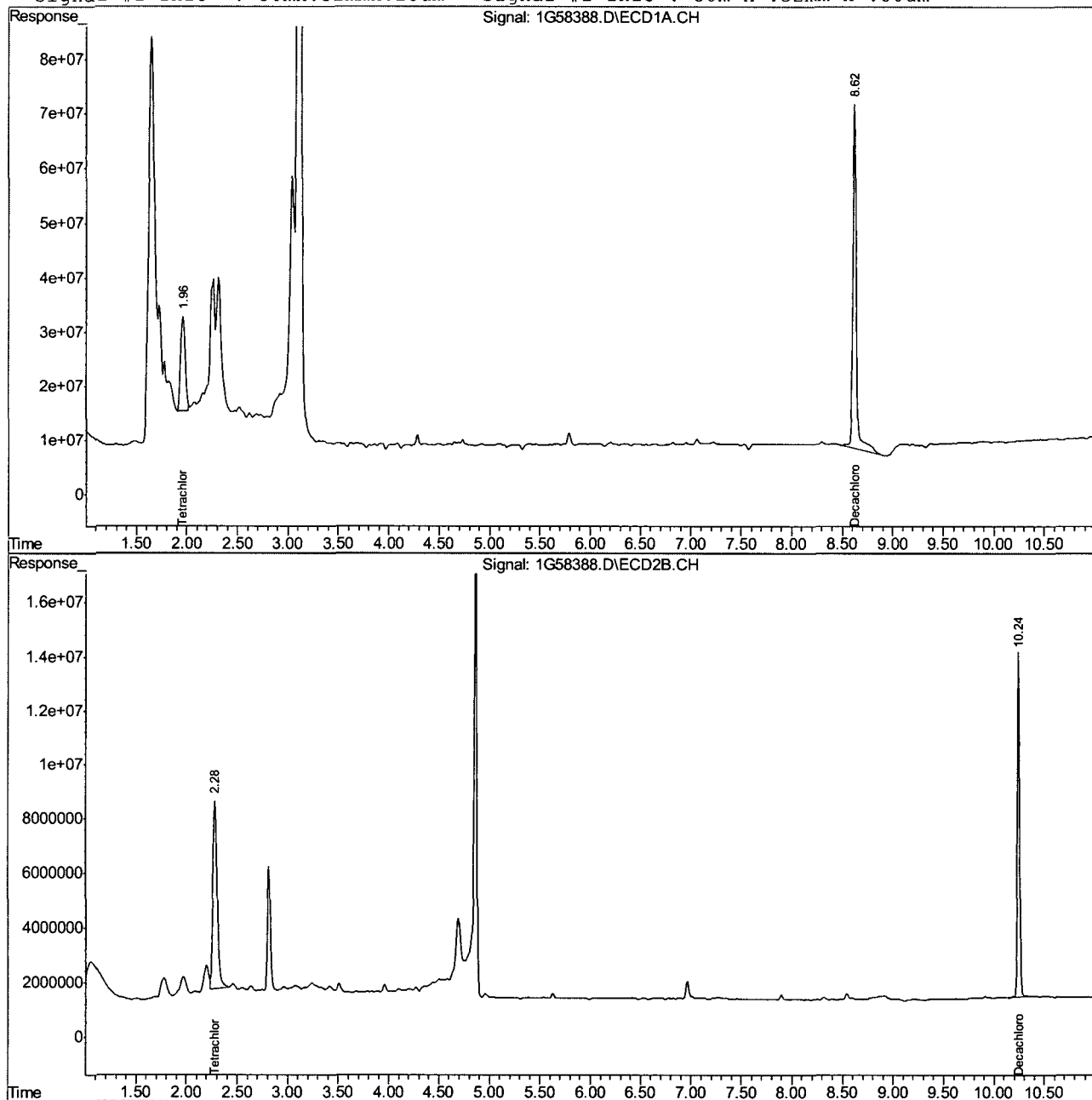
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58388.D 1PST2127.M

Tue Nov 02 10:29:16 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-10  
**Lab FileID:** 1G58388.D  
**Injection Time:** 11/02/10 01:34

**Method:** SW846 8081A  
**Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Supervisor approved:** 11/03/10 14:10 Owen McKenna

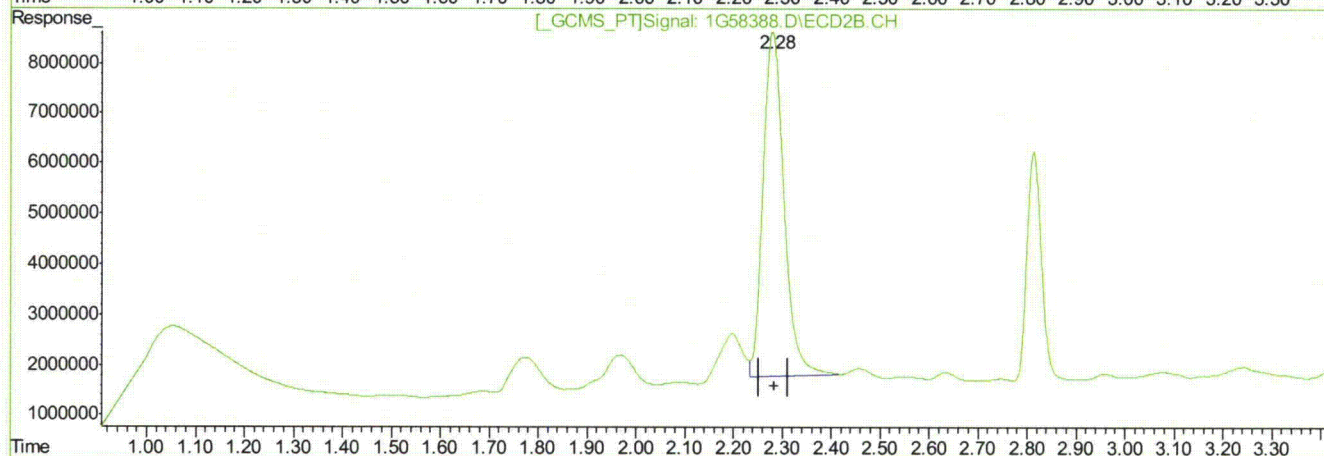
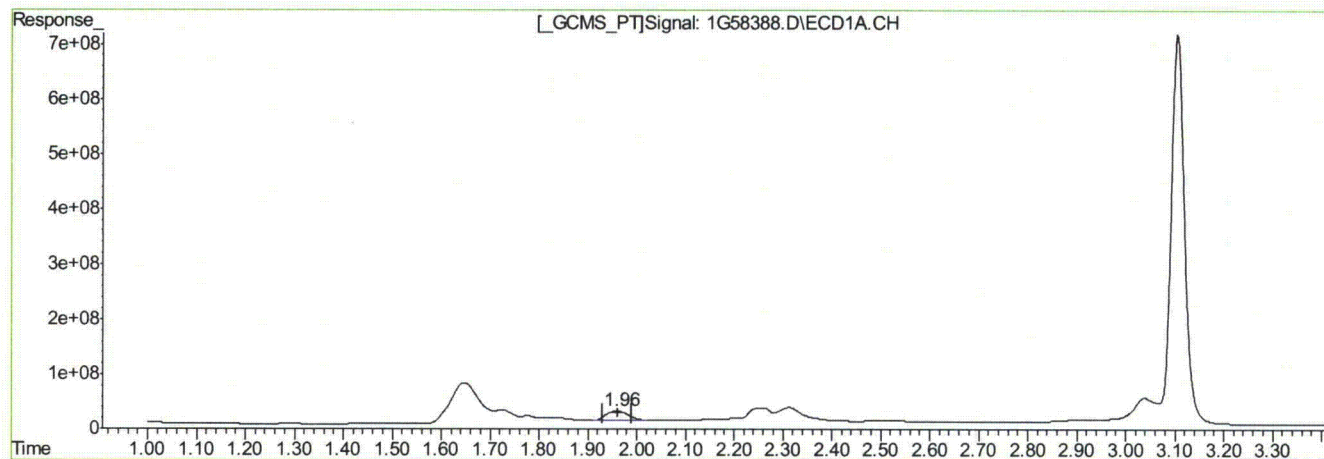
Parameter	CAS	Sig#	R. T. (min.)	Reason
Tetrachloro-m-xylene	877-09-8	1	1.96	Poorly defined baseline
Tetrachloro-m-xylene	877-09-8	2	2.28	Poorly defined baseline

10.1.28.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD1A.CH Vial: 33  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58388.D\ECD2B.CH  
Acq On : 11-2-10 01:34:09 AM Operator: owenm  
Sample : ja58750-10 Inst : GC1G  
Misc : op46352,g1g2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:28 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(1) Tetrachloro-m-xylene (SAB)

1.96min 26.352PPB m

response 566931391

(1) Tetrachloro-m-xylene #2 (SAB)

2.28min 31.268PPB m

response 206443496

(+) = Expected Retention Time

1G58388.D 1PST2127.M

Tue Nov 02 10:29:09 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58389.D\ECD1A.CH Vial: 34  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58389.D\ECD2B.CH  
Acq On : 11-2-10 01:49:17 AM Operator: owenm  
Sample : ja58750-11 Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	679.4E6	200.9E6	31.581	30.433
Spiked Amount	40.000	Range	30 - 150	Recovery	=	78.95%
34) SA Decachlorobiphen	8.62	10.25	1389.2E6	176.3E6	41.668	37.058
Spiked Amount	40.000	Range	30 - 150	Recovery	=	104.17%

## Target Compounds

(f)=RT Delta > 1/2 Window  
1G58389.D 1PST2127.M

Tue Nov 02 10:18:02 2010

(m)=manual int.  
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58389.D\ECD1A.CH Vial: 34  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58389.D\ECD2B.CH  
Acq On : 11-2-10 01:49:17 AM Operator: owenm  
Sample : ja58750-11 Inst : GC1G  
Misc : op46352,g1g2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

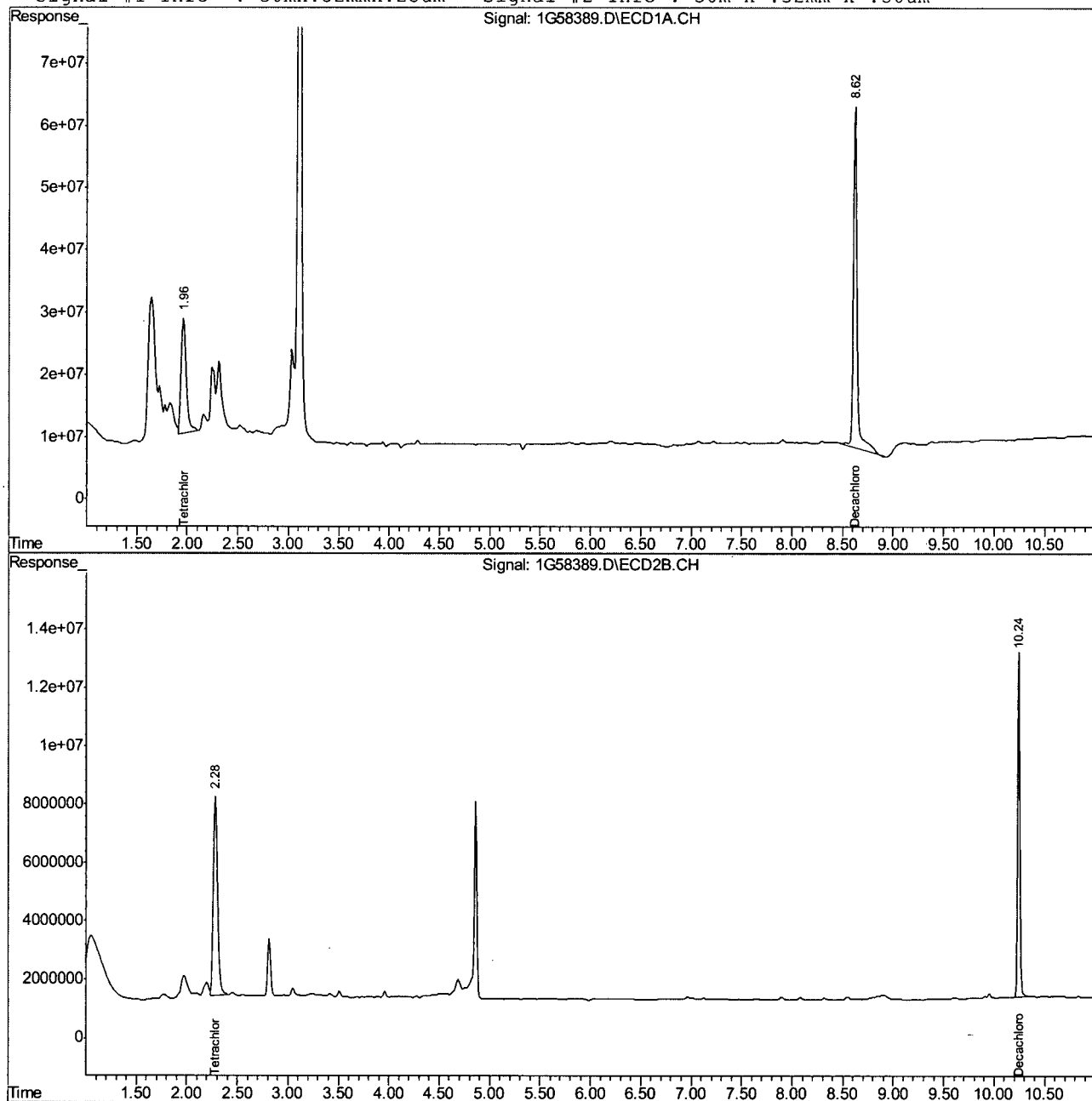
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58389.D 1PST2127.M

Tue Nov 02 10:18:02 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58390.D\ECD1A.CH Vial: 35  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58390.D\ECD2B.CH  
Acq On : 11-2-10 02:04:23 AM Operator: owenm  
Sample : ja58750-12 Inst : GC1G  
Misc : op46352,glg2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	658.5E6	197.3E6	30.610	29.877
Spiked Amount	40.000	Range	30 - 150	Recovery	=	76.53% 74.69%
34) SA Decachlorobiphen	8.62	10.25	1266.7E6	179.8E6	37.995	37.784
Spiked Amount	40.000	Range	30 - 150	Recovery	=	94.99% 94.46%

## Target Compounds

(f)=RT Delta > 1/2 Window  
1G58390.D 1PST2127.M

Tue Nov 02 10:29:38 2010

(m)=manual int.  
RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58390.D\ECD1A.CH Vial: 35  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58390.D\ECD2B.CH  
Acq On : 11-2-10 02:04:23 AM Operator: owenm  
Sample : ja58750-12 Inst : GC1G  
Misc : op46352,glg2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

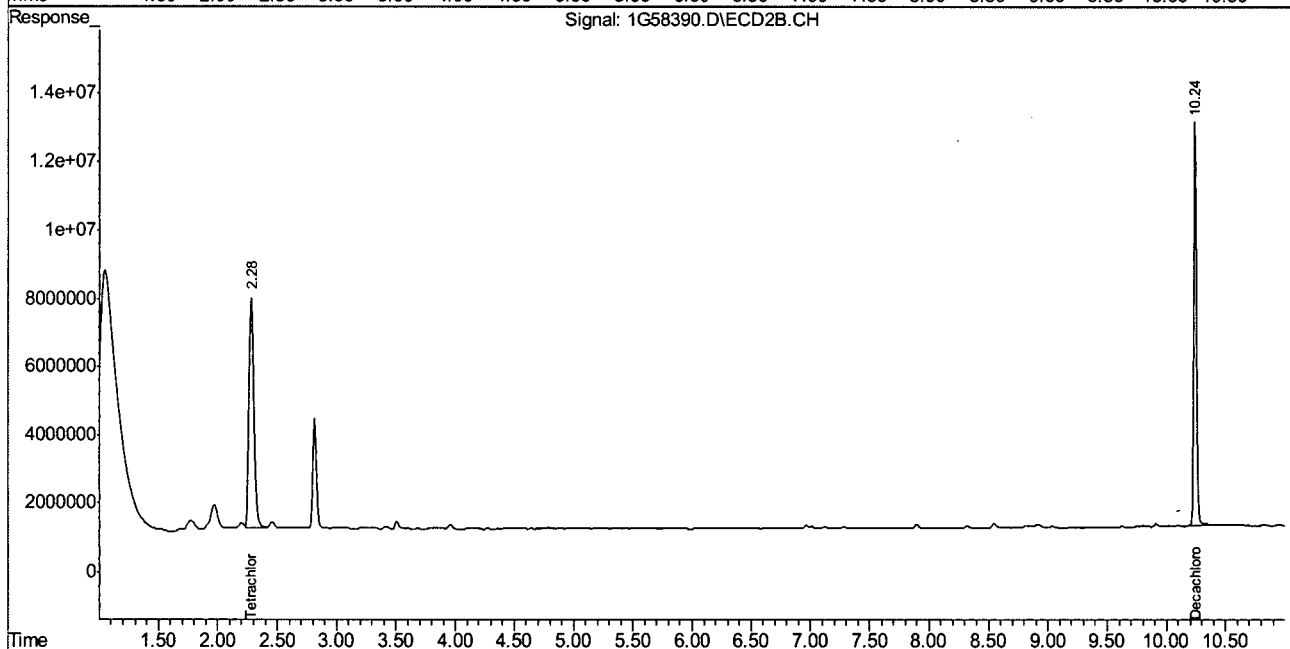
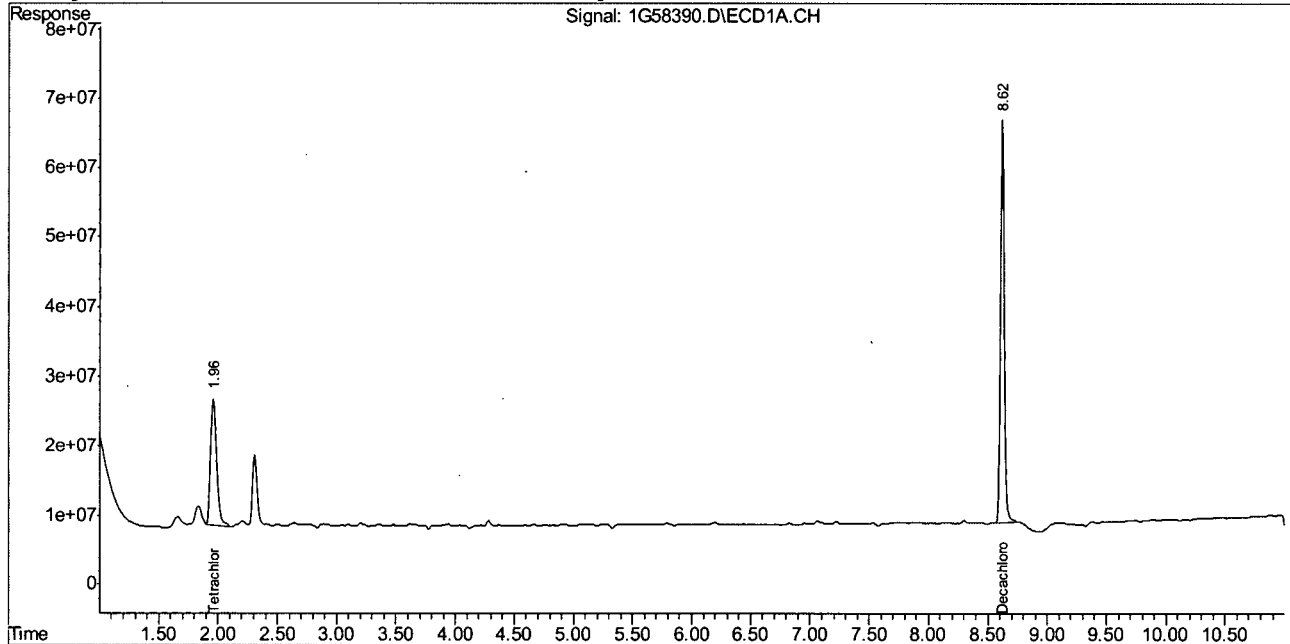
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58391.D\ECD1A.CH Vial: 36  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58391.D\ECD2B.CH  
 Acq On : 11-2-10 02:19:28 AM Operator: owenm  
 Sample : ja58750-13 Inst : GC1G  
 Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	596.4E6	184.0E6	27.724	27.874
Spiked Amount	40.000	Range	30 - 150	Recovery	=	69.31%
34) SA Decachlorobiphen	8.62	10.25	1349.7E6	174.3E6	40.484	36.629
Spiked Amount	40.000	Range	30 - 150	Recovery	=	101.21%

## Target Compounds

(f)=RT Delta &gt; 1/2 Window

1G58391.D 1PST2127.M

Tue Nov 02 10:29:53 2010

(m)=manual int.

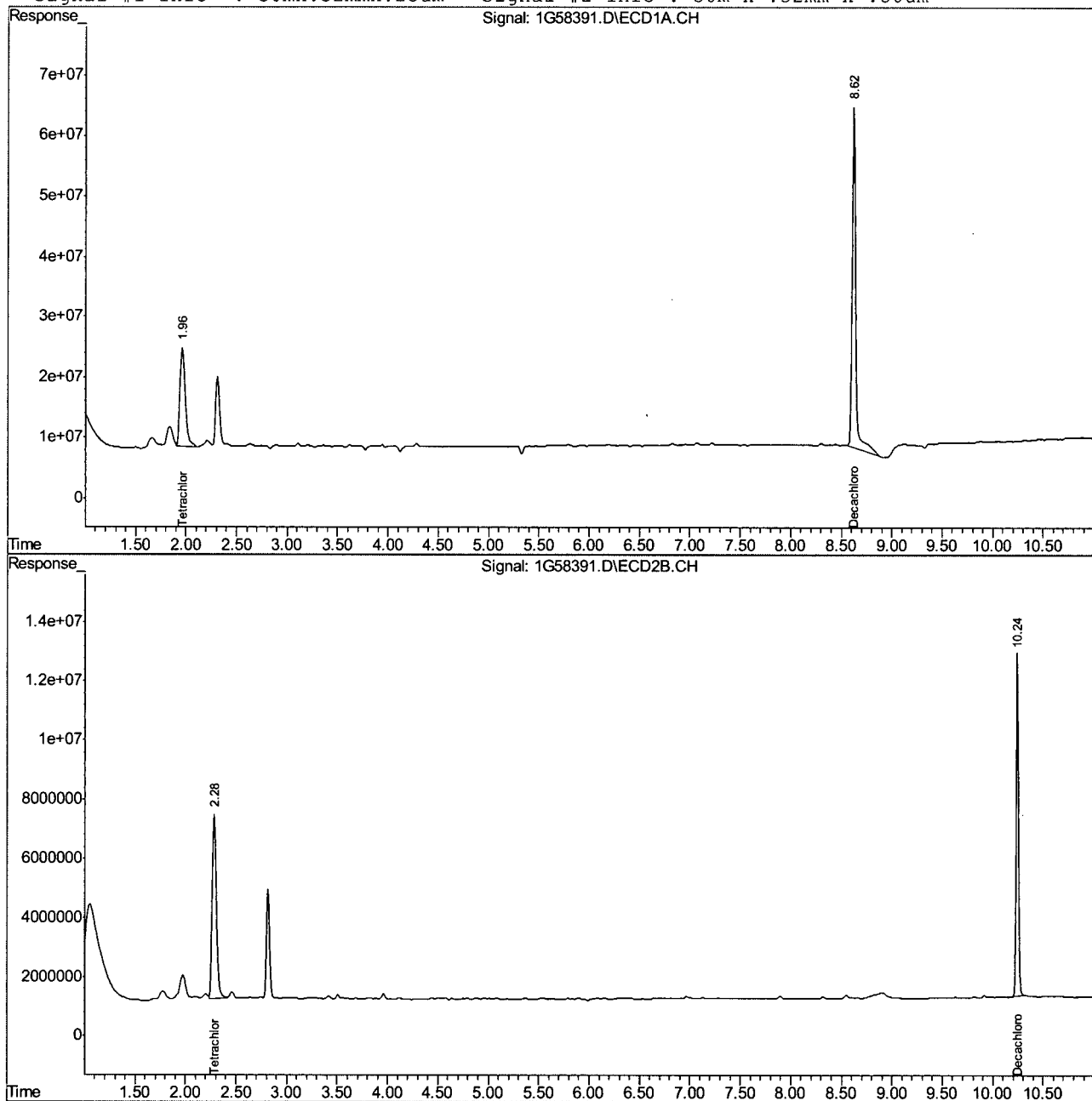
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58391.D\ECD1A.CH Vial: 36  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58391.D\ECD2B.CH  
Acq On : 11-2-10 02:19:28 AM Operator: owenm  
Sample : ja58750-13 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:29 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58391.D 1PST2127.M

Tue Nov 02 10:29:53 2010

RPT1

Page 2

10.1.31 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD1A.CH Vial: 39  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD2B.CH  
Acq On : 11-2-10 03:04:47 AM Operator: owenm  
Sample : ja58750-14 Inst : GC1G  
Misc : op46352,glg2128,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:23 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	660.3E6	202.8E6	30.692	30.719
Spiked Amount	40.000	Range	30 - 150	Recovery	=	76.73% 76.80%
34) SA Decachlorobiphen	8.62	10.24	1300.8E6	187.1E6	39.016	39.330
Spiked Amount	40.000	Range	30 - 150	Recovery	=	97.54% 98.32%
Target Compounds						
13) B 4,4'-DDE	4.23	5.34	109.1E6	17508798	2.967m	2.620m
18) MA 4,4'-DDT	5.39	6.72	111.7E6	38426168	3.967	8.017

10.1.32 10

(f)=RT Delta &gt; 1/2 Window

1G58394.D 1PST2127.M Tue Nov 02 10:23:44 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD1A.CH Vial: 39  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD2B.CH  
Acq On : 11-2-10 03:04:47 AM Operator: owenm  
Sample : ja58750-14 Inst : GC1G  
Misc : op46352,glg2128,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:23 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

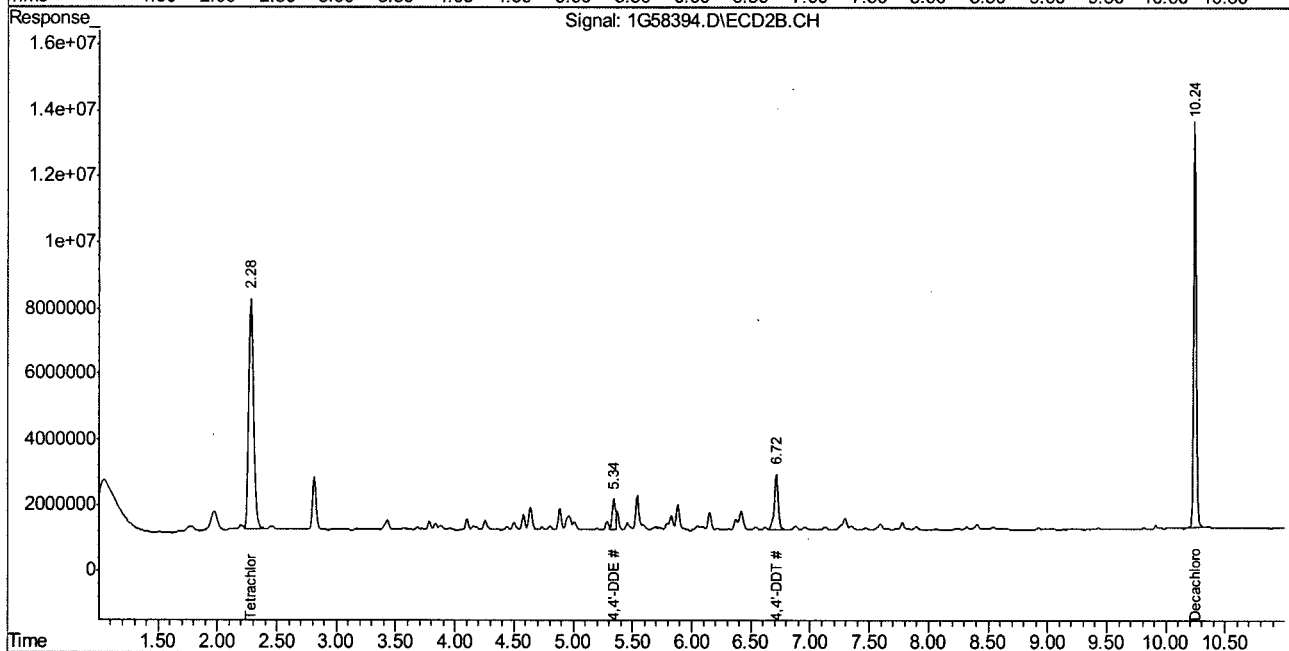
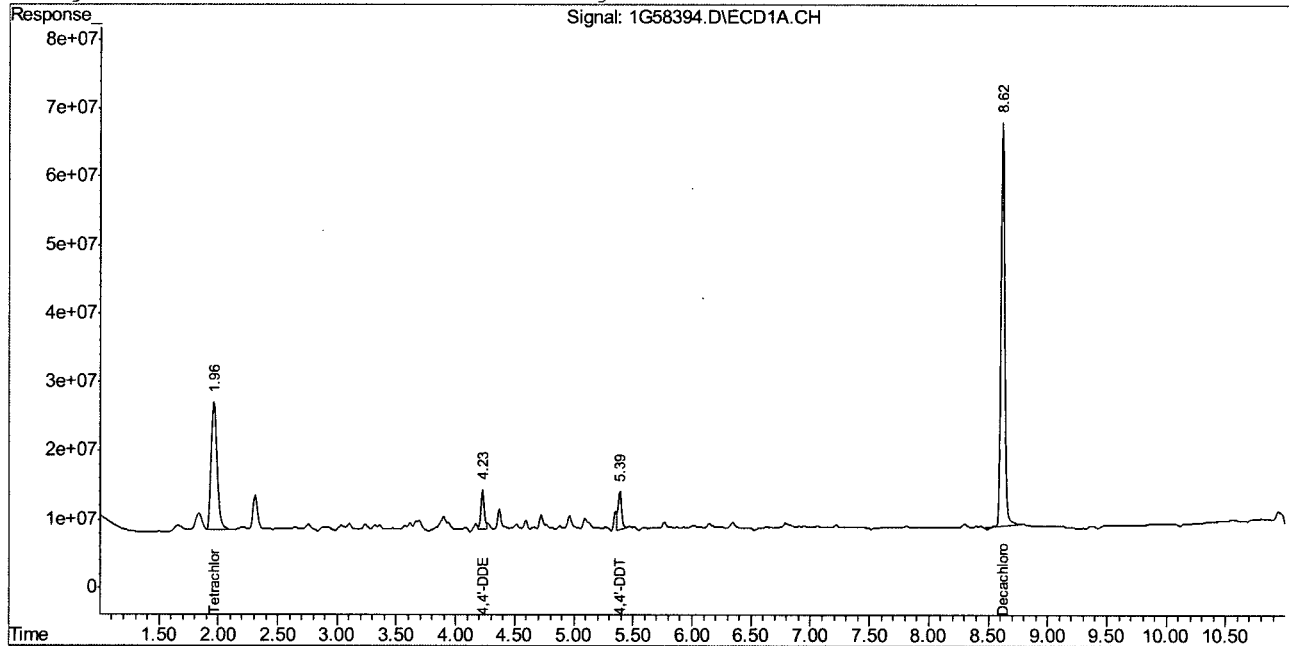
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58394.D 1PST2127.M

Tue Nov 02 10:23:44 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-14      **Method:** SW846 8081A  
**Lab FileID:** 1G58394.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/02/10 03:04      **Supervisor approved:** 11/03/10 14:10 Owen McKenna

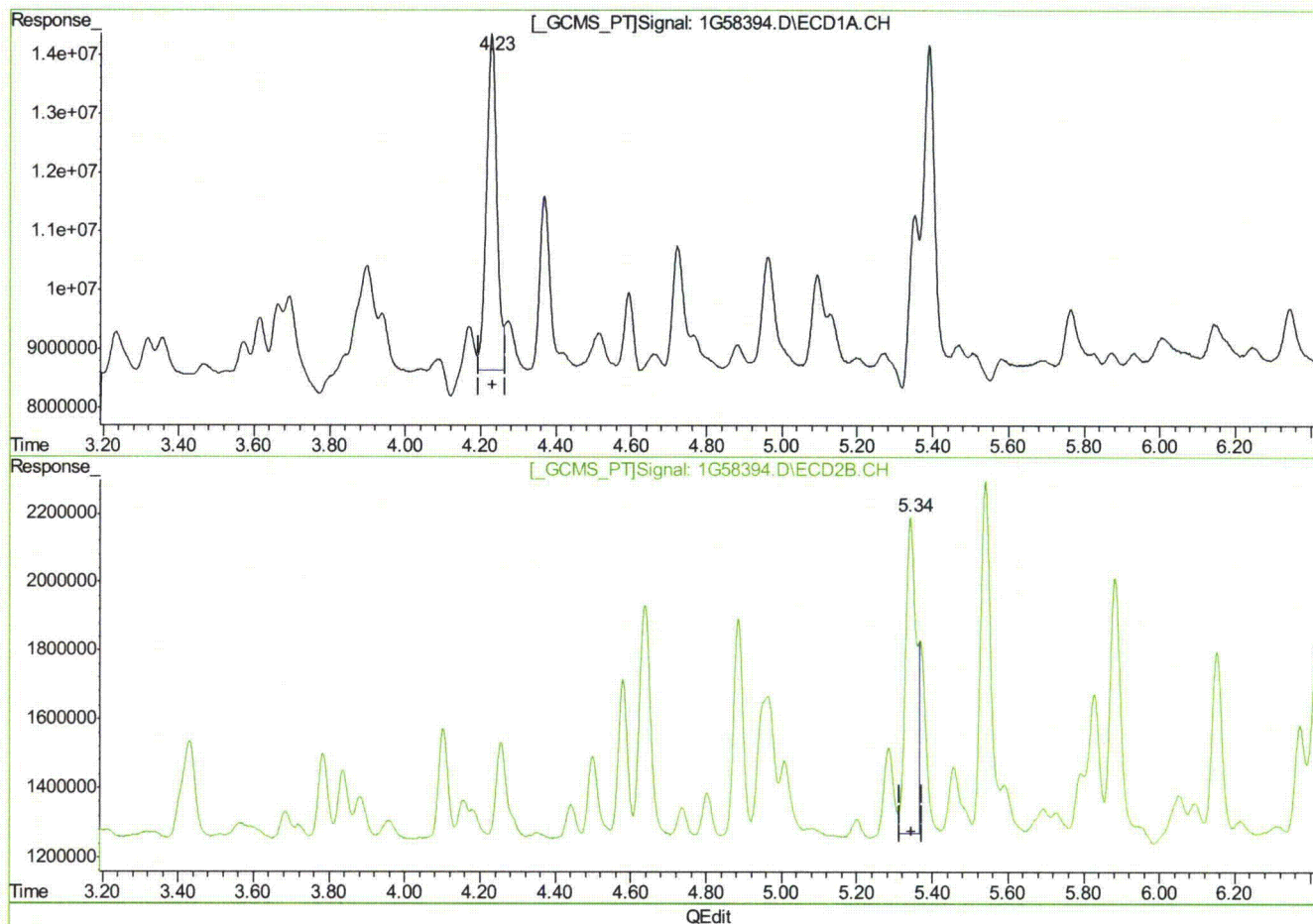
Parameter	CAS	Sig#	R. T. (min.)	Reason
4,4'-DDE	72-55-9	1	4.23	Poorly defined baseline
4,4'-DDE	72-55-9	2	5.34	Poorly defined baseline

10.1.32.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD1A.CH Vial: 39  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58394.D\ECD2B.CH  
Acq On : 11-2-10 03:04:47 AM Operator: owenm  
Sample : ja58750-14 Inst : GC1G  
Misc : op46352,glg2128,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:23 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(13) 4,4'-DDE (B)  
4.23min 2.967PPB m  
response 109133938

(13) 4,4'-DDE #2 (B)  
5.34min 2.620PPB m  
response 17508798

(+) = Expected Retention Time

1G58394.D 1PST2127.M

Tue Nov 02 10:23:34 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58395.D\ECD1A.CH Vial: 40  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58395.D\ECD2B.CH  
Acq On : 11-2-10 03:19:53 AM Operator: owenm  
Sample : ja58750-15 Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 3 14:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	601.3E6	182.0E6	27.949	27.560
Spiked Amount	40.000	Range	30 - 150	Recovery	=	69.87% 68.90%
34) SA Decachlorobiphen	8.62	10.24	1179.5E6	156.8E6	35.378	32.951
Spiked Amount	40.000	Range	30 - 150	Recovery	=	88.44% 82.38%

## Target Compounds

-----  
(f)=RT Delta > 1/2 Window  
1G58395.D 1PST2127.M

Wed Nov 03 14:15:10 2010

(m)=manual int.  
RPT1

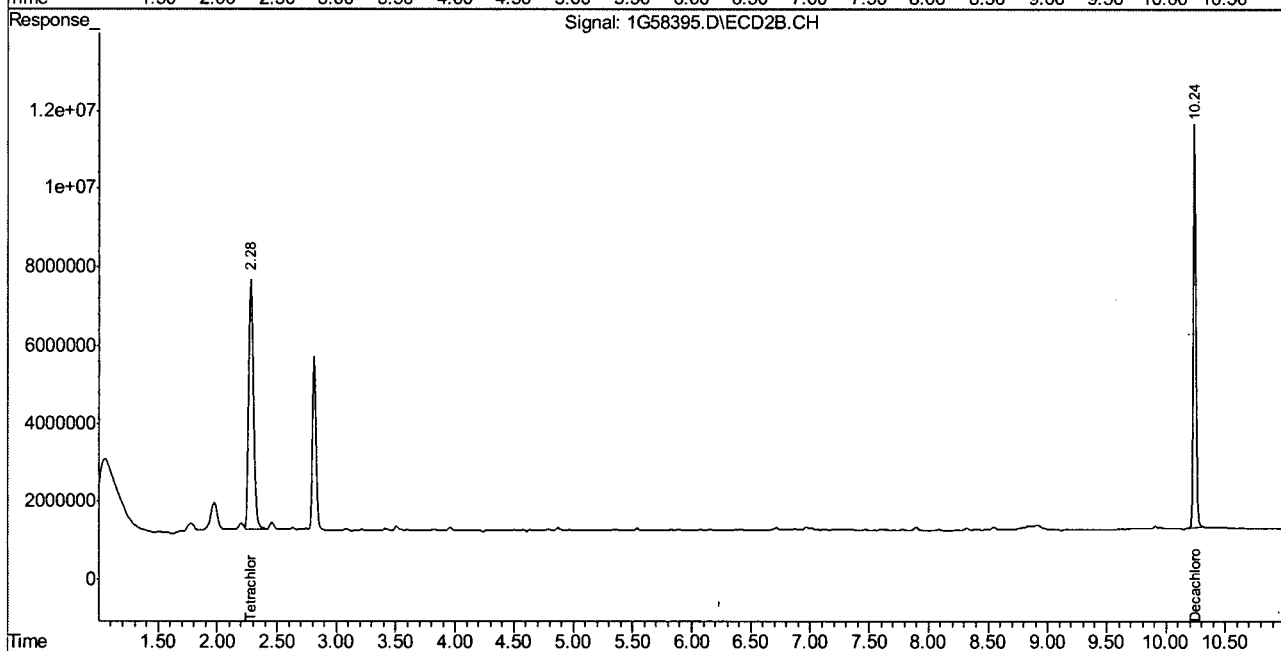
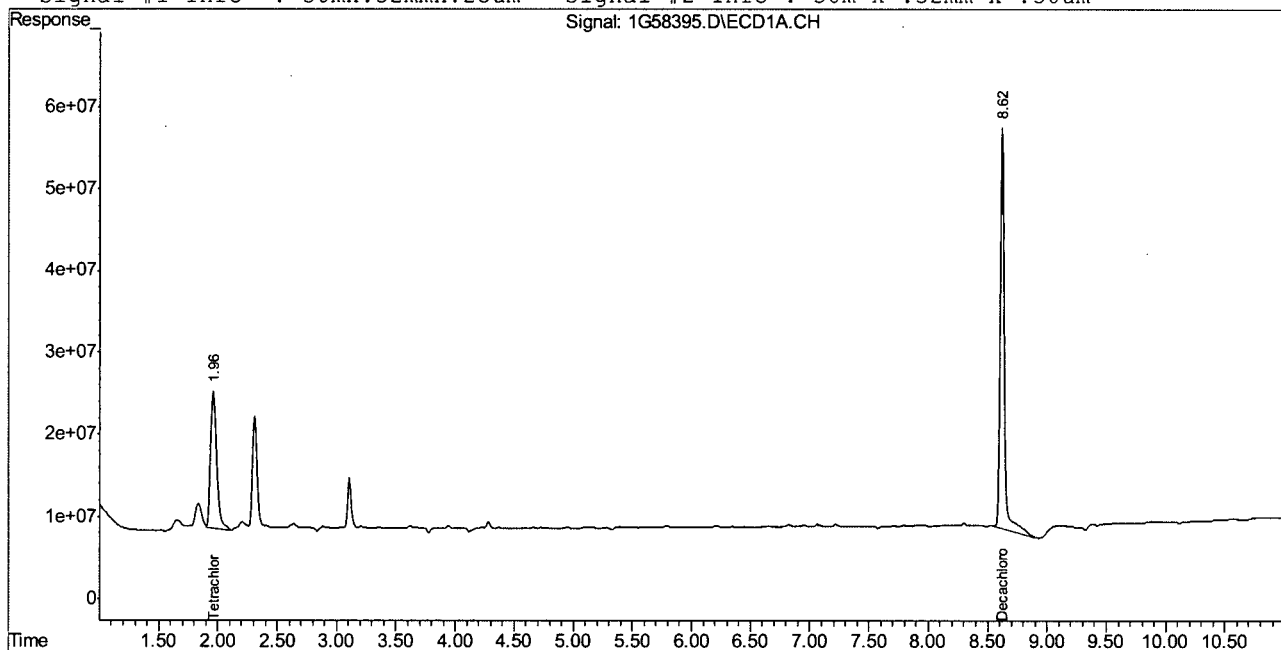


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58395.D\ECD1A.CH Vial: 40  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58395.D\ECD2B.CH  
Acq On : 11-2-10 03:19:53 AM Operator: owenm  
Sample : ja58750-15 Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 3 14:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58396.D\ECD1A.CH Vial: 41  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58396.D\ECD2B.CH  
Acq On : 11-2-10 03:35:01 AM Operator: owenm  
Sample : ja58750-16 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	597.0E6	179.2E6	27.749	27.136
Spiked Amount	40.000	Range	30 - 150	Recovery	=	69.37%
34) SA Decachlorobiphen	8.62	10.24	1308.8E6	177.2E6	39.255	37.244
Spiked Amount	40.000	Range	30 - 150	Recovery	=	98.14%

## Target Compounds

-----  
(f)=RT Delta > 1/2 Window  
1G58396.D 1PST2127.M

Tue Nov 02 10:24:20 2010

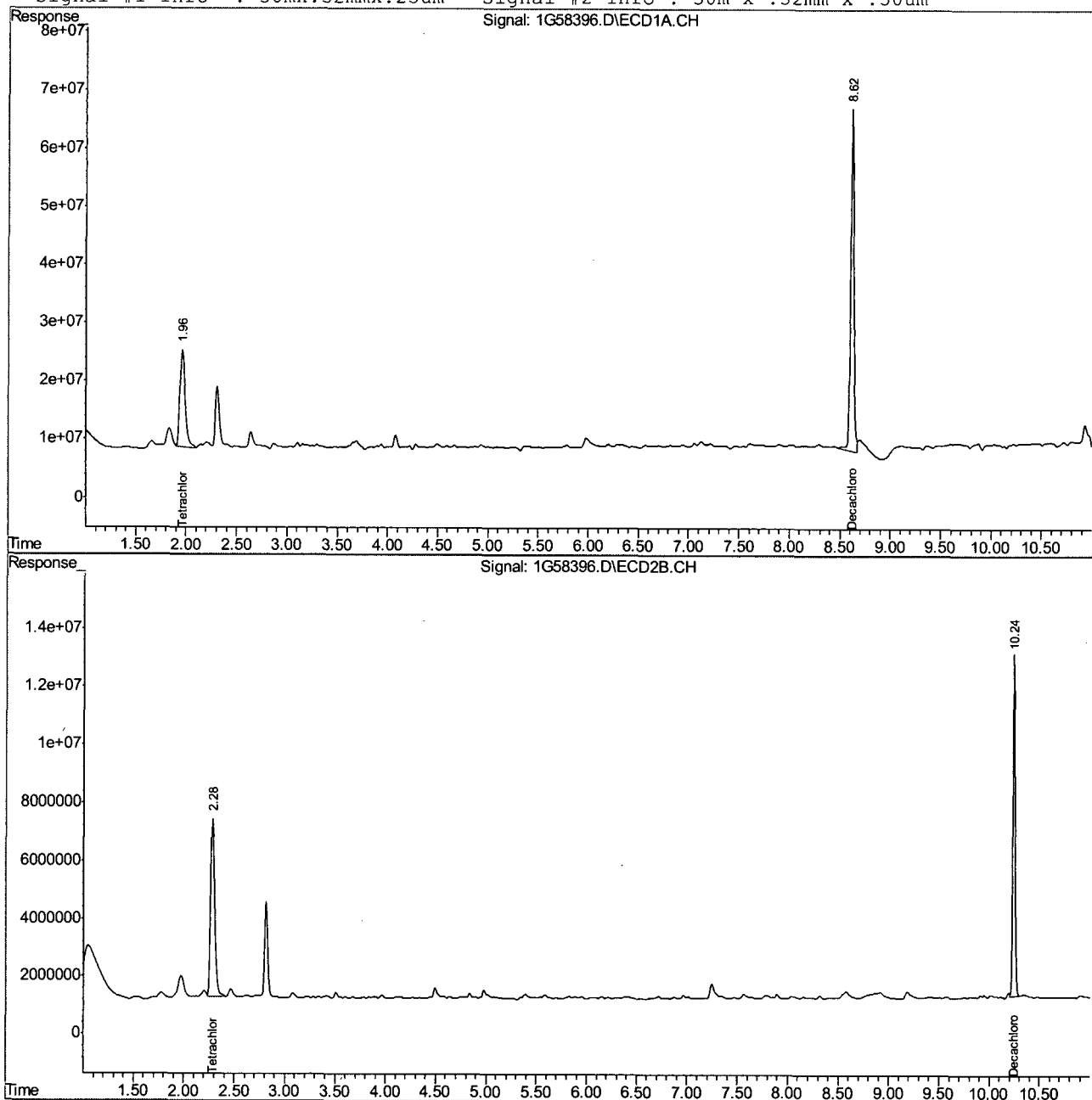
(m)=manual int.  
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58396.D\ECD1A.CH Vial: 41  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58396.D\ECD2B.CH  
Acq On : 11-2-10 03:35:01 AM Operator: owenm  
Sample : ja58750-16 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



10.134 10

Owen McKenna  
11/03/10 14:12

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD1A.CH Vial: 42  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD2B.CH  
Acq On : 11-2-10 03:50:07 AM Operator: owenm  
Sample : ja58750-17 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	288.6E6	77271450	13.413	11.704
Spiked Amount	40.000	Range	30 - 150	Recovery =	33.53%	29.26%#
34) SA Decachlorobiphen	8.62	10.24	1030.4E6	131.0E6	30.905	27.538
Spiked Amount	40.000	Range	30 - 150	Recovery =	77.26%	68.84%
Target Compounds						
18) MA 4,4'-DDT	5.39	6.71	73114508	12987970	2.598m	2.710m

(f)=RT Delta &gt; 1/2 Window

1G58397.D 1PST2127.M

Tue Nov 02 10:25:02 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD1A.CH Vial: 42  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD2B.CH  
Acq On : 11-2-10 03:50:07 AM Operator: owenm  
Sample : ja58750-17 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

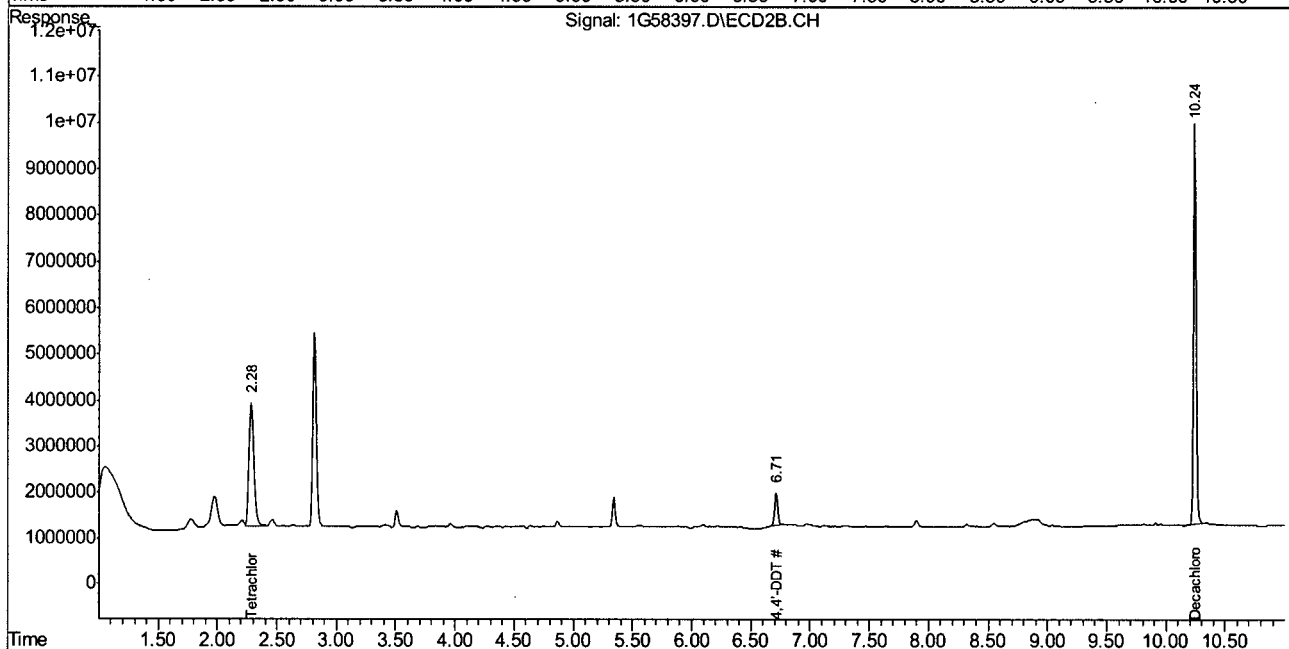
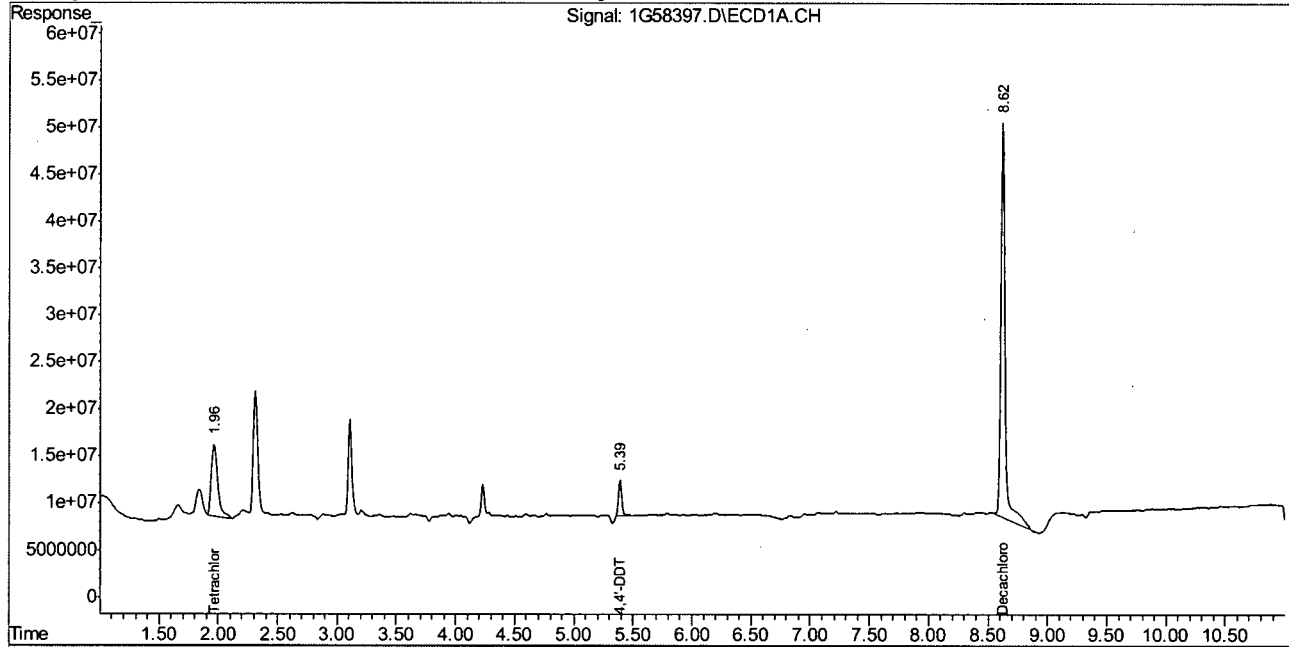
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58397.D 1PST2127.M

Tue Nov 02 10:25:02 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** JA58750-17      **Method:** SW846 8081A  
**Lab FileID:** 1G58397.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/02/10 03:50      **Supervisor approved:** 11/03/10 14:12 Owen McKenna

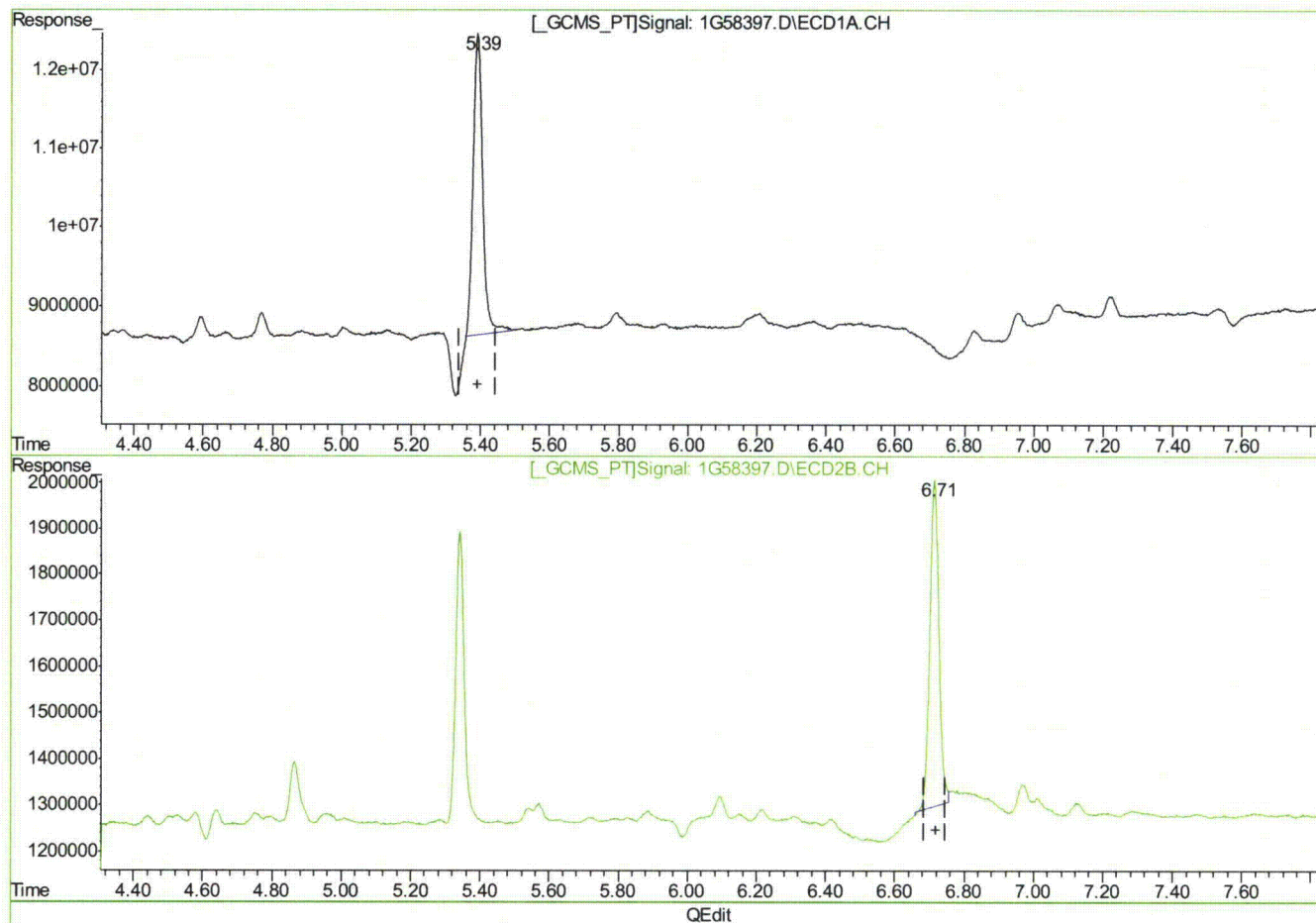
Parameter	CAS	Sig#	R. T. (min.)	Reason
4,4'-DDT	50-29-3	1	5.39	Poorly defined baseline
4,4'-DDT	50-29-3	2	6.71	Poorly defined baseline

10.1.35.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD1A.CH Vial: 42  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58397.D\ECD2B.CH  
Acq On : 11-2-10 03:50:07 AM Operator: owenm  
Sample : ja58750-17 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:24 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(18) 4,4'-DDT (MA)  
5.39min 2.598PPB m  
response 73114508

(18) 4,4'-DDT #2 (MA)  
6.71min 2.710PPB m  
response 12987970

(+) = Expected Retention Time

1G58397.D 1PST2127.M

Tue Nov 02 10:24:54 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58398.D\ECD1A.CH Vial: 43  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58398.D\ECD2B.CH  
 Acq On : 11-2-10 04:05:14 AM Operator: owenm  
 Sample : ja58750-18 Inst : GC1G  
 Misc : op46352,g1g2128,17.3,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:18 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.97	2.29	711.1E6	208.0E6	33.052	31.511
Spiked Amount	40.000	Range	30 - 150	Recovery	=	82.63% 78.78%
34) SA Decachlorobiphen	8.62	10.24	1280.7E6	185.7E6	38.414	39.025
Spiked Amount	40.000	Range	30 - 150	Recovery	=	96.03% 97.56%

## Target Compounds

10.1.36 10

(f)=RT Delta &gt; 1/2 Window

1G58398.D 1PST2127.M

Tue Nov 02 10:18:56 2010

(m)=manual int.

RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58398.D\ECD1A.CH Vial: 43  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58398.D\ECD2B.CH  
Acq On : 11-2-10 04:05:14 AM Operator: owenm  
Sample : ja58750-18 Inst : GC1G  
Misc : op46352,g1g2128,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:18 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

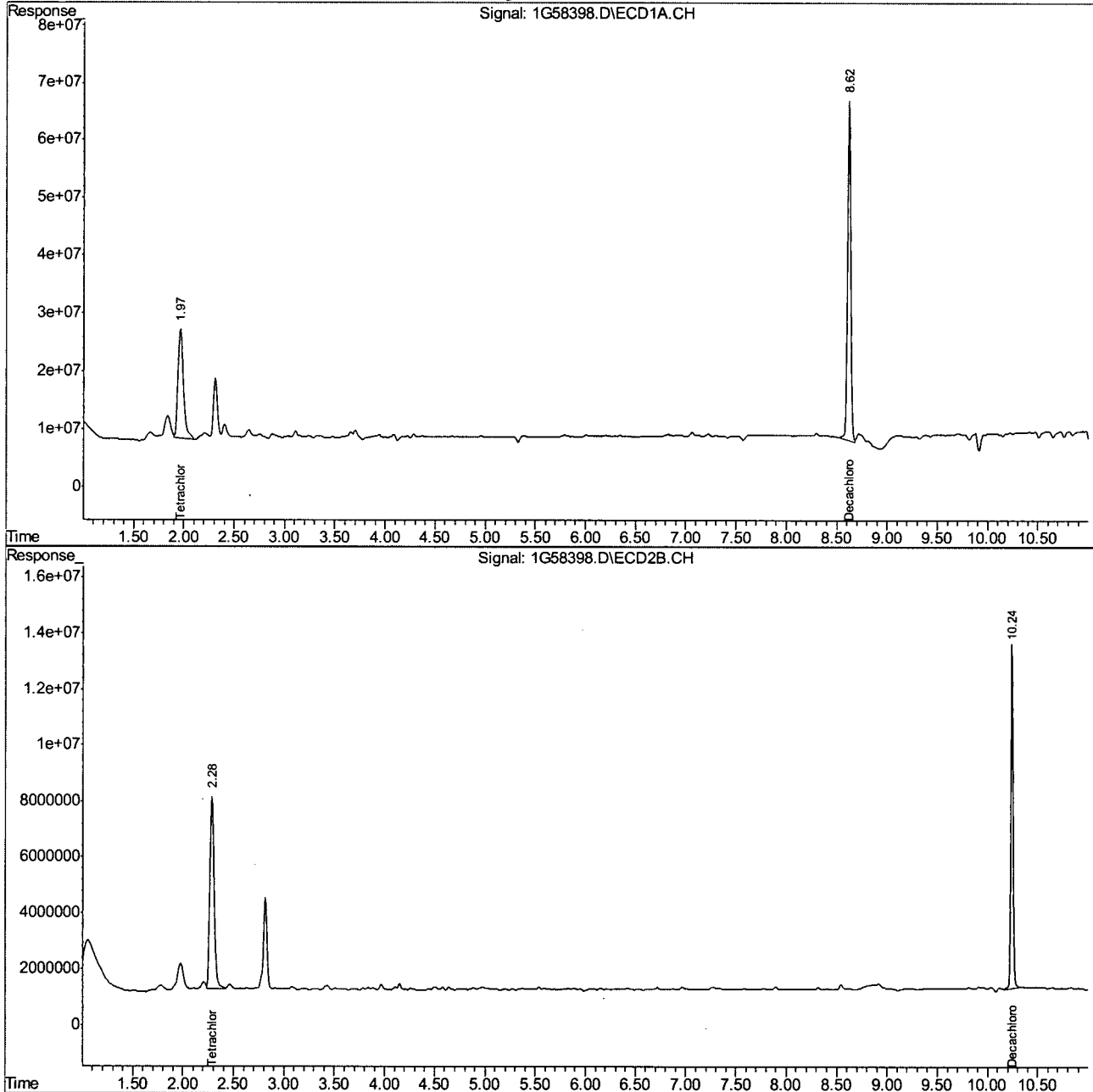
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58398.D 1PST2127.M

Tue Nov 02 10:18:57 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50317.D\ECD1A.CH Vial: 41  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50317.D\ECD2B.CH  
 Acq On : 10-26-2010 09:56:17 PM Operator: toyar  
 Sample : ja58750-1 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 22:08:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	793.4E6	561.1E6	31.661	30.431
Spiked Amount 40.000			Recovery	=	79.15%	76.08%
50) S Decachlorobiphen	9.02	9.23	995.6E6	600.2E6	42.128	43.916
Spiked Amount 40.000			Recovery	=	105.32%	109.79%

Target Compounds

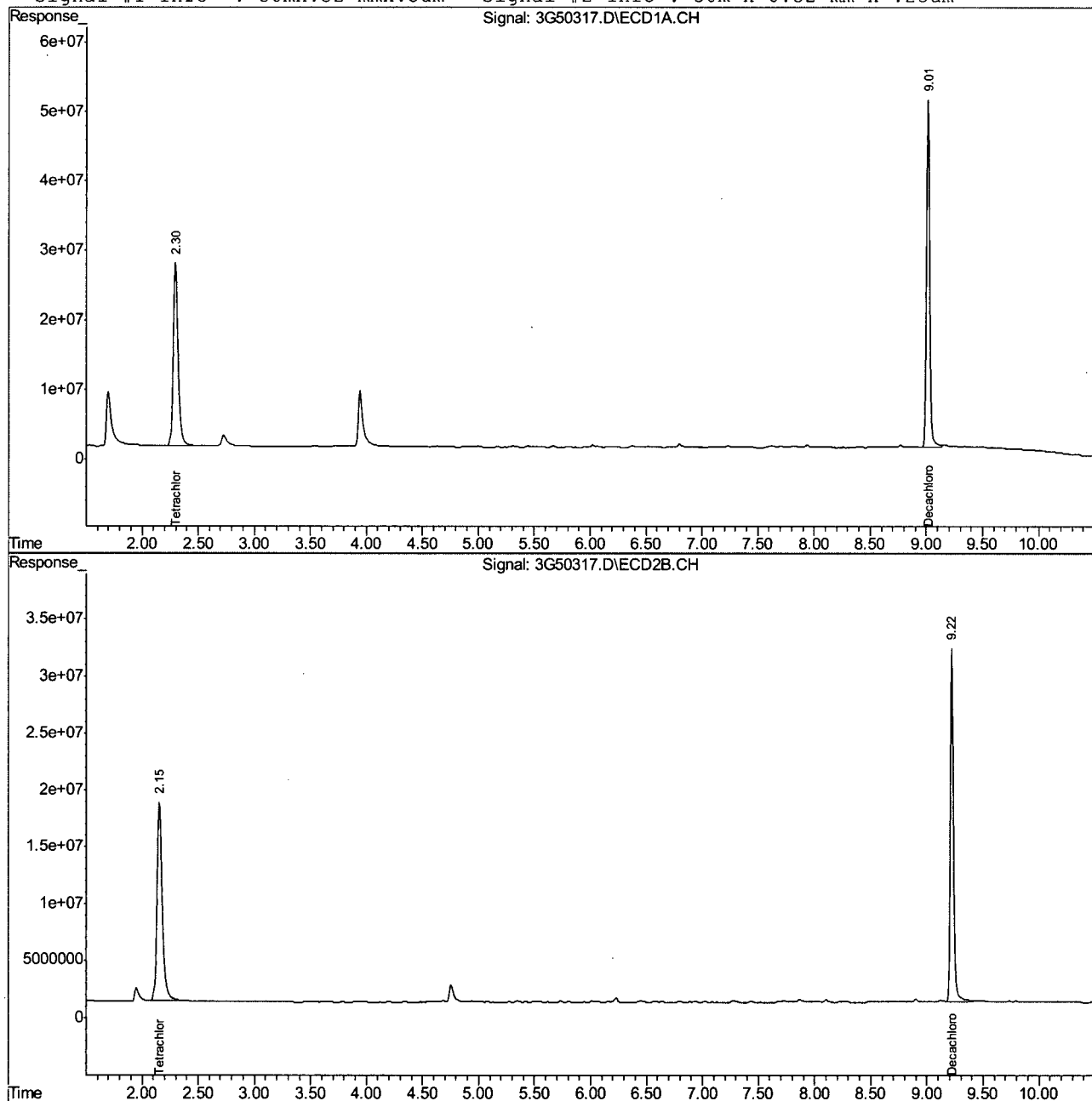
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50317.D PCB1826.M Wed Oct 27 09:19:30 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50317.D\ECD1A.CH Vial: 41  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50317.D\ECD2B.CH  
Acq On : 10-26-2010 09:56:17 PM Operator: toyar  
Sample : ja58750-1 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:19 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68390.D\ECD1A.CH Vial: 22  
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68390.D\ECD2B.CH  
 Acq On : 11-3-10 06:31:45 PM Operator: annaz  
 Sample : ja58750-2 Inst : GCOA  
 Misc : OP46323,GOA2391,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Nov 03 18:48:54 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
 Title : PCB  
 Last Update : Wed Nov 03 09:31:37 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.42	649.4E6	253.7E6	33.353	35.199
Spiked Amount	40.000		Recovery	=	83.38%	88.00%
52) S Decachlorobiphen	13.18	13.04	617.8E6	416.6E6	35.796	36.475
Spiked Amount	40.000		Recovery	=	89.49%	91.19%

Target Compounds

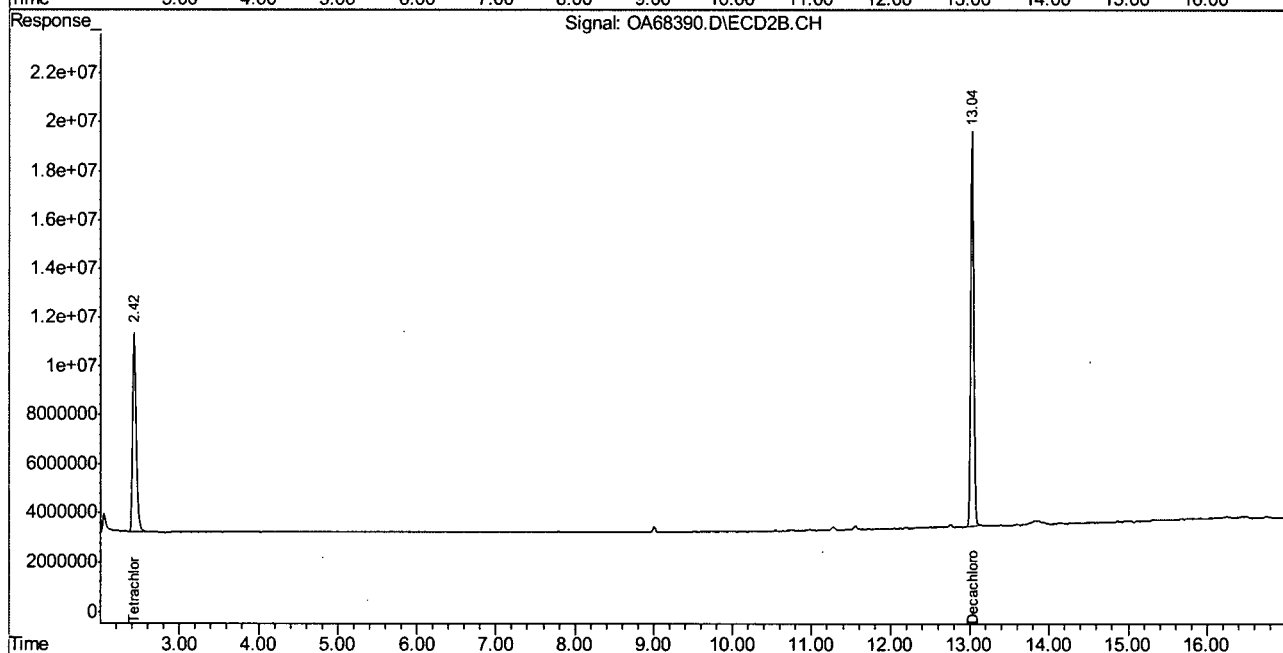
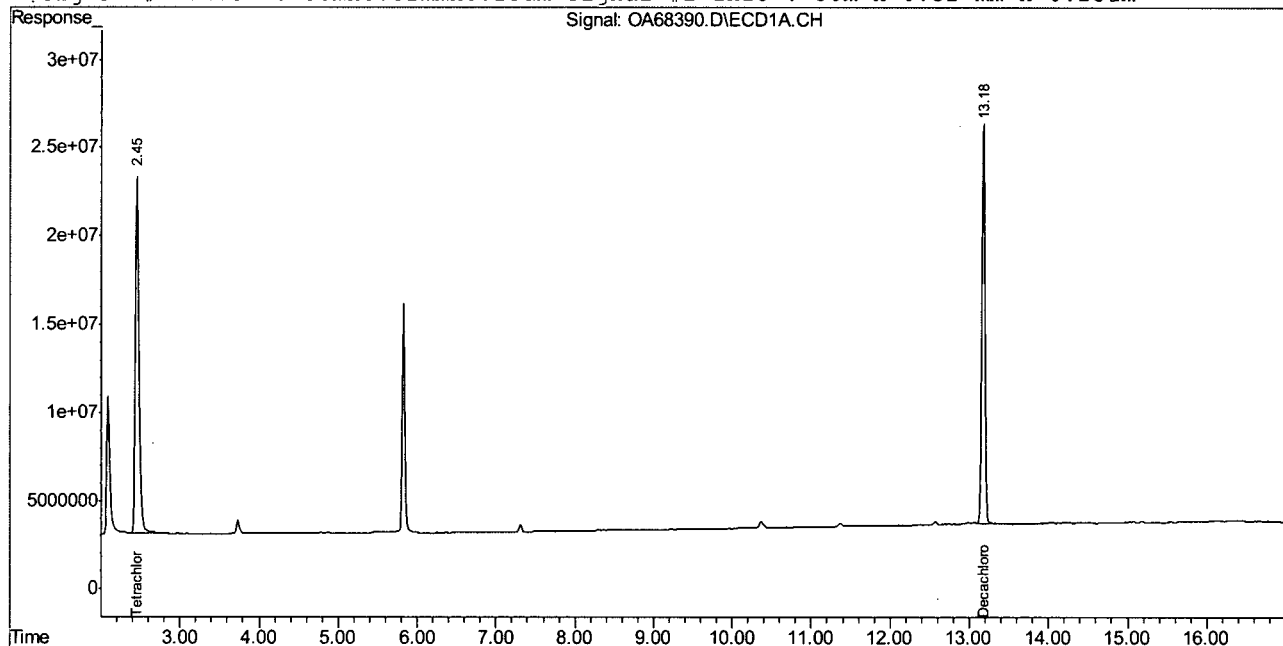
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 OA68390.D PCB2389.M Wed Nov 03 19:38:02 2010 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68390.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68390.D\ECD2B.CH  
Acq On : 11-3-10 06:31:45 PM Operator: annaz  
Sample : ja58750-2 Inst : GCOA  
Misc : OP46323,GOA2391,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Nov 3 19:37 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
Title : PCB  
Last Update : Wed Nov 03 09:31:37 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50319.D\ECD1A.CH Vial: 43  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50319.D\ECD2B.CH  
Acq On : 26 Oct 2010 10:26 pm Operator: toyar  
Sample : ja58750-3 Inst : GC3G  
Misc : OP46353,g3g1851,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 22:38:54 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	885.2E6	624.0E6	35.328	33.837
Spiked Amount 40.000			Recovery	=	88.32%	84.59%
50) S Decachlorobiphen	9.02	9.23	1065.9E6	642.7E6	45.102	47.029
Spiked Amount 40.000			Recovery	=	112.75%	117.57%

Target Compounds

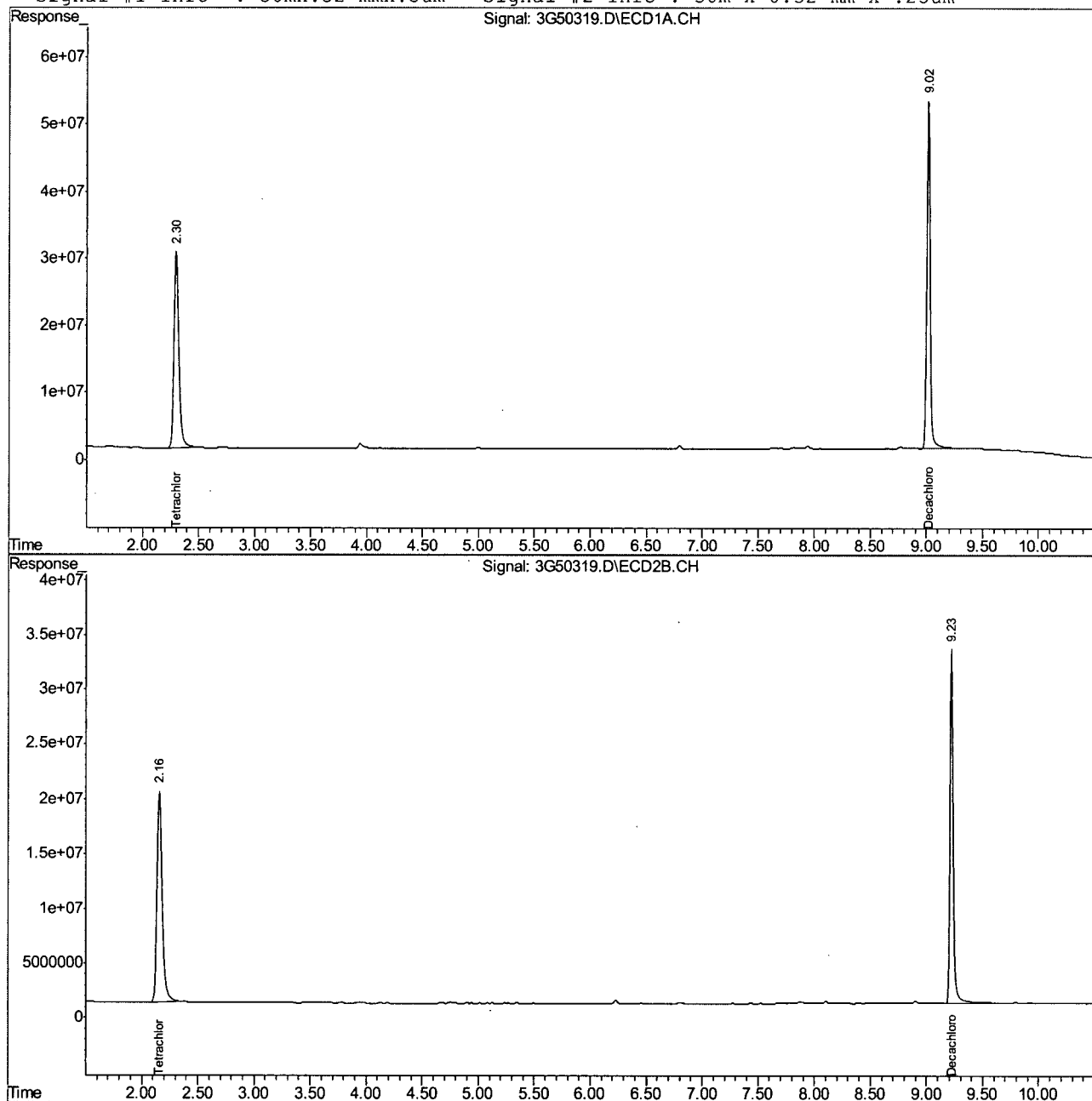
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50319.D PCB1826.M Wed Oct 27 09:29:06 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50319.D\ECD1A.CH Vial: 43  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50319.D\ECD2B.CH  
Acq On : 26 Oct 2010 10:26 pm Operator: toyar  
Sample : ja58750-3 Inst : GC3G  
Misc : OP46353,g3gl851,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:28 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50320.D\ECD1A.CH Vial: 44  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50320.D\ECD2B.CH  
 Acq On : 26 Oct 2010 10:41 pm Operator: toyar  
 Sample : ja58750-4 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 22:53:55 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
----------	------	------	--------	--------	-----	-----

System Monitoring Compounds

1) S Tetrachloro-m-xy	2.30	2.16	816.5E6	577.0E6	32.583	31.289
Spiked Amount	40.000		Recovery	=	81.46%	78.22%
50) S Decachlorobiphen	9.02	9.23	1021.5E6	603.1E6	43.224	44.129
Spiked Amount	40.000		Recovery	=	108.06%	110.32%

Target Compounds

10.1.40 10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50320.D PCB1826.M Wed Oct 27 09:29:27 2010 GC3G

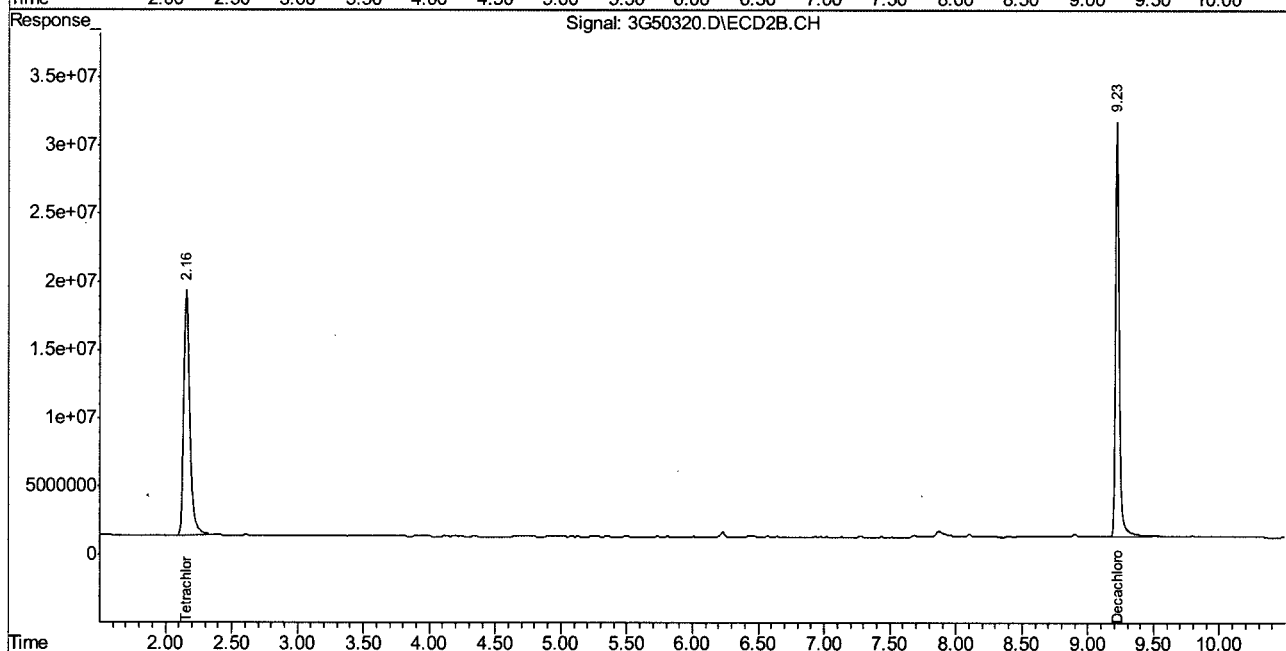
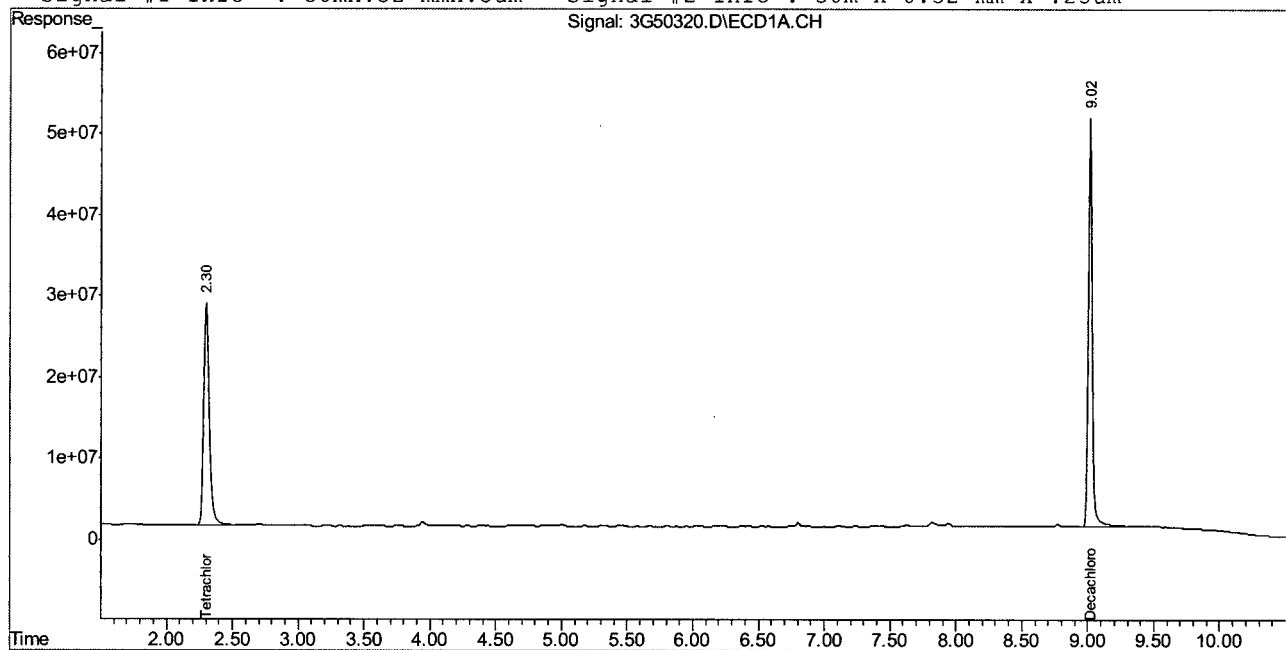


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50320.D\ECD1A.CH Vial: 44  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50320.D\ECD2B.CH  
Acq On : 26 Oct 2010 10:41 pm Operator: toyar  
Sample : ja58750-4 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:29 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50309.D\ECD1A.CH Vial: 33  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50309.D\ECD2B.CH  
 Acq On : 10-26-2010 07:10:17 PM Operator: toyar  
 Sample : ja58750-5 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 19:22:39 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.29	2.15	628.8E6	444.0E6	25.095	24.081
Spiked Amount 40.000			Recovery	=	62.74%	60.20%
50) S Decachlorobiphen	9.02	9.23	910.3E6	548.5E6	38.519	40.132
Spiked Amount 40.000			Recovery	=	96.30%	100.33%

Target Compounds

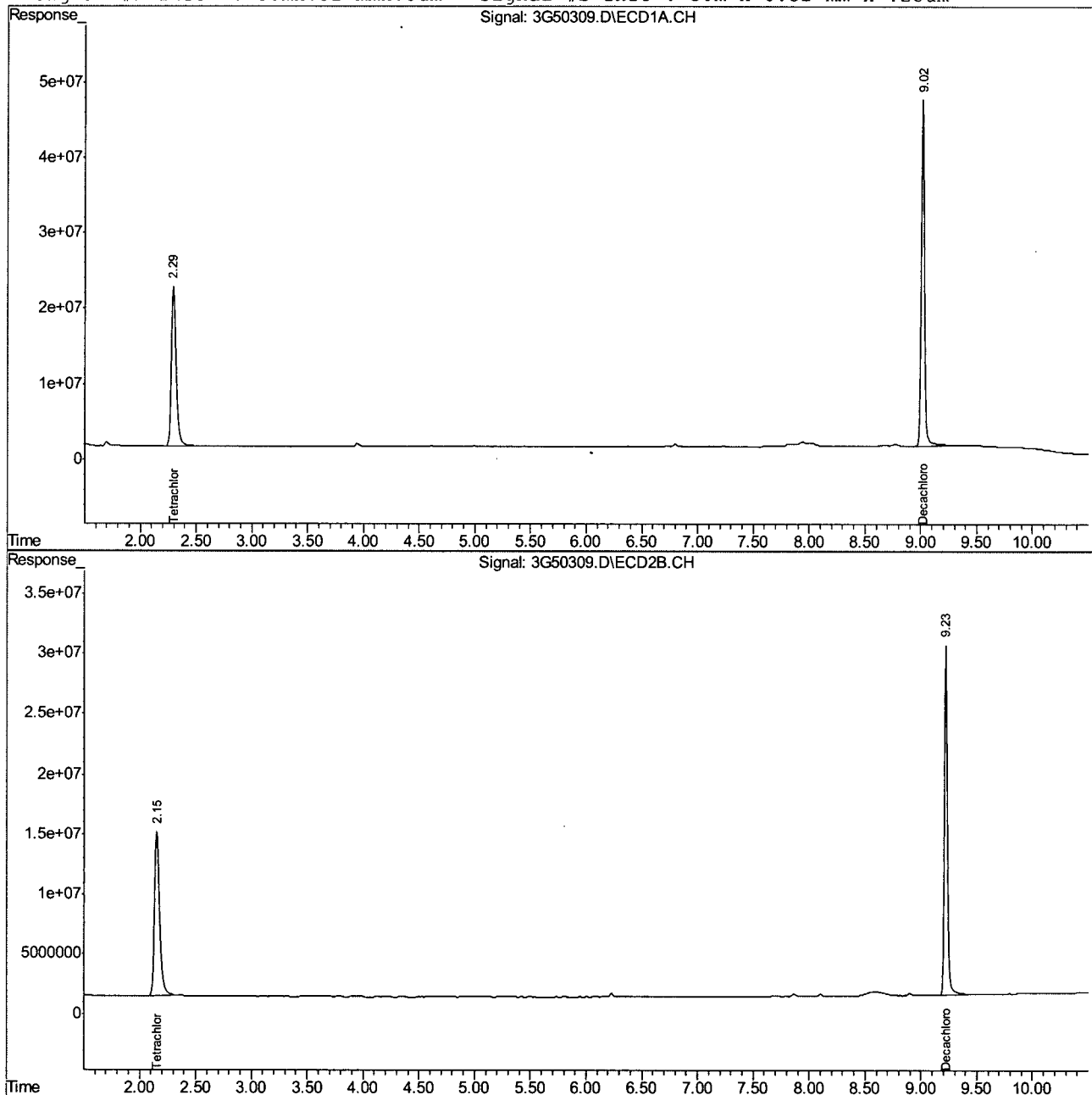
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50309.D PCB1826.M Wed Oct 27 09:36:34 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50309.D\ECD1A.CH Vial: 33  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50309.D\ECD2B.CH  
Acq On : 10-26-2010 07:10:17 PM Operator: toyar  
Sample : ja58750-5 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:04 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50323.D\ECD1A.CH Vial: 47  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50323.D\ECD2B.CH  
Acq On : 26 Oct 2010 11:57 pm Operator: toyar  
Sample : ja58750-6 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 00:09:23 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	804.5E6	568.4E6	32.105	30.826
Spiked Amount 40.000			Recovery	=	80.26%	77.07%
50) S Decachlorobiphen	9.02	9.23	1103.6E6	650.4E6	46.699	47.592
Spiked Amount 40.000			Recovery	=	116.75%	118.98%

Target Compounds

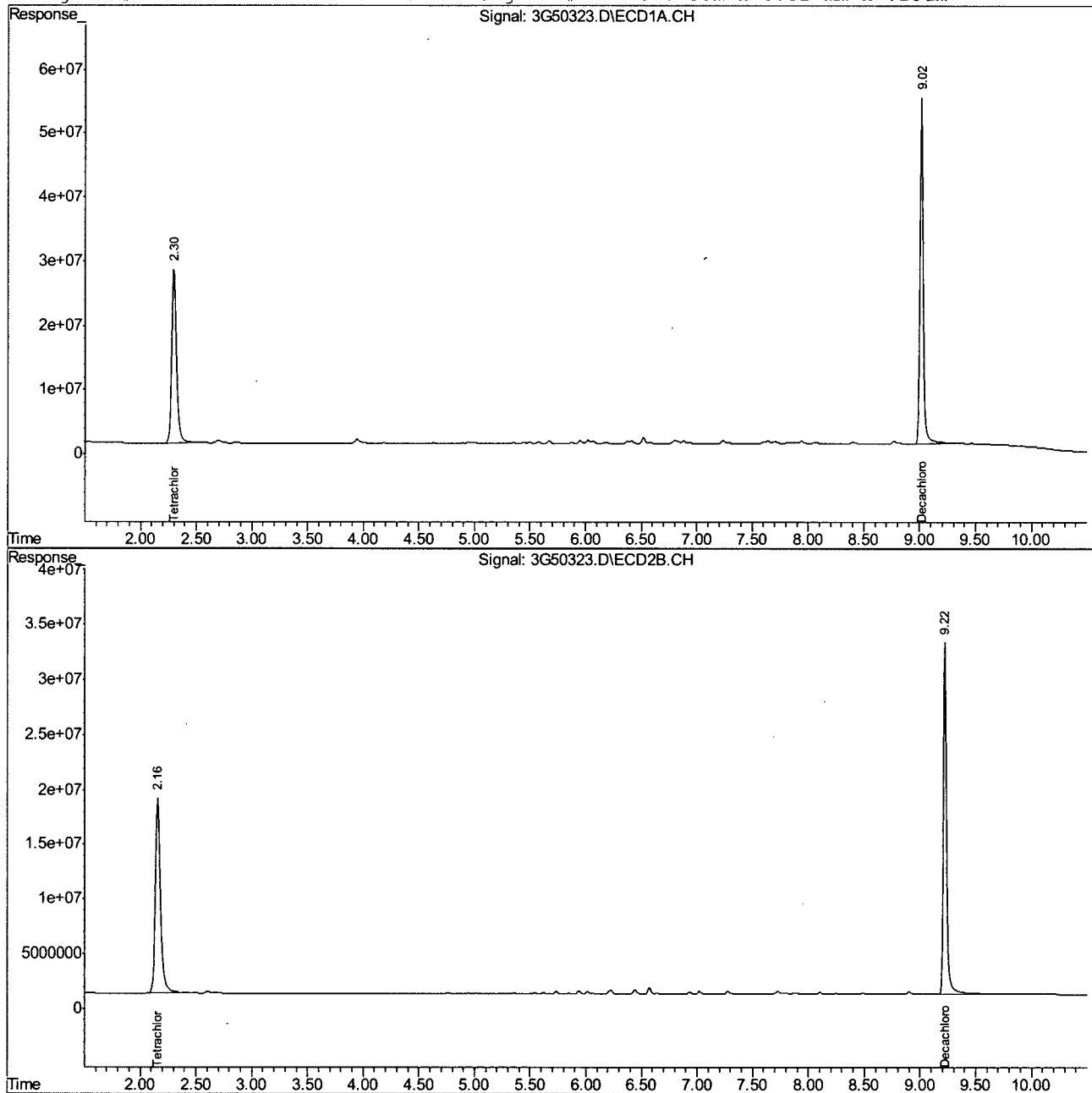
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50323.D PCB1826.M Wed Oct 27 09:30:10 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50323.D\ECD1A.CH Vial: 47  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50323.D\ECD2B.CH  
Acq On : 26 Oct 2010 11:57 pm Operator: toyar  
Sample : ja58750-6 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50355.D\ECD1A.CH Vial: 79  
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50355.D\ECD2B.CH  
 Acq On : 10-27-2010 02:43:05 PM Operator: toyar  
 Sample : ja58750-7 Inst : GC3G  
 Misc : OP46353,g3g1852,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 14:55:29 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	635.3E6	554.7E6	25.352	30.084
Spiked Amount	40.000		Recovery	=	63.38%	75.21%
50) S Decachlorobiphen	9.02	9.23	695.0E6	429.3E6	29.407	31.412
Spiked Amount	40.000		Recovery	=	73.52%	78.53%

Target Compounds

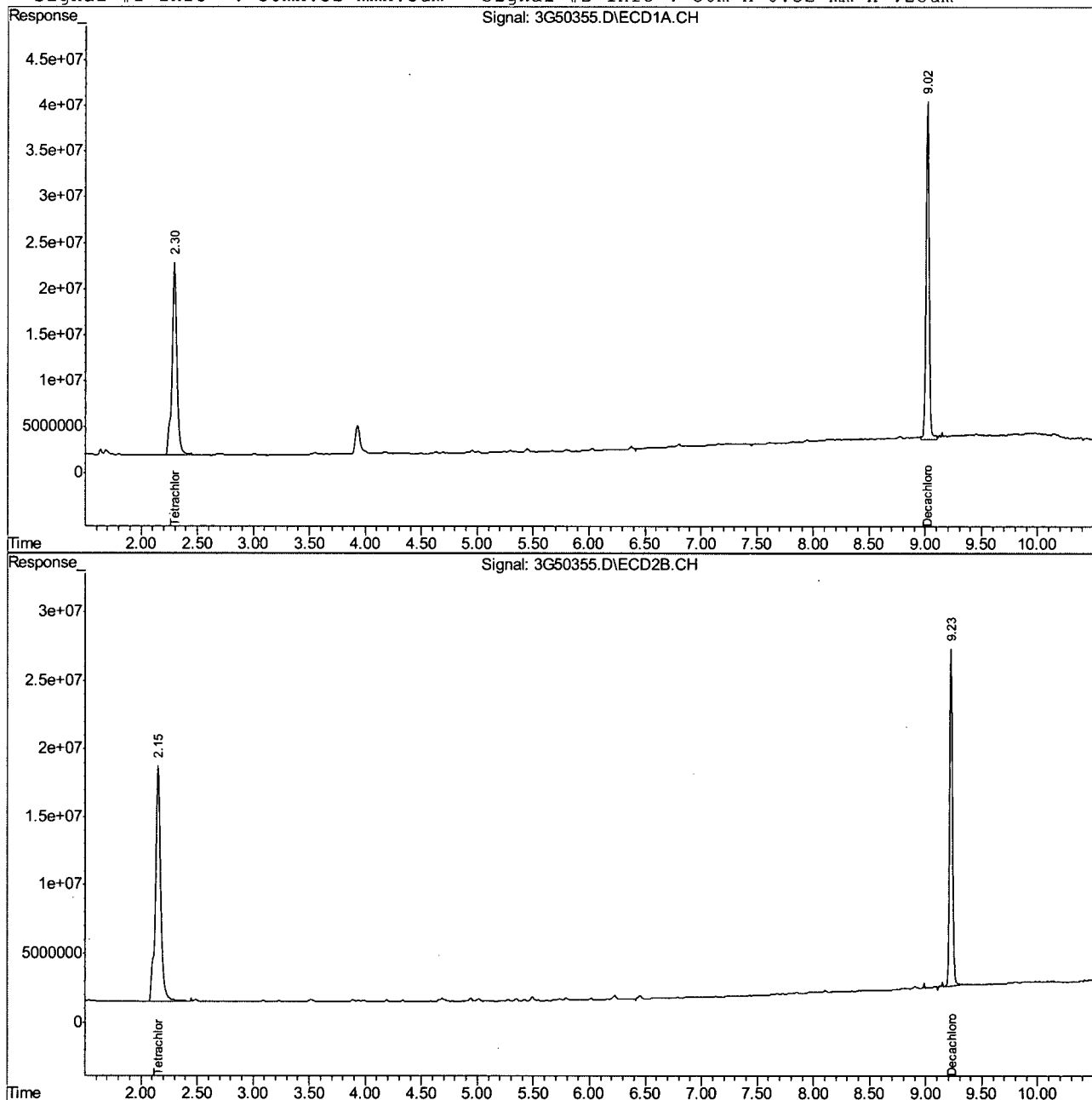
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50355.D PCB1826.M Wed Oct 27 15:34:58 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50355.D\ECD1A.CH Vial: 79  
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50355.D\ECD2B.CH  
Acq On : 10-27-2010 02:43:05 PM Operator: toyar  
Sample : ja58750-7 Inst : GC3G  
Misc : OP46353,g3gl852,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 15:34 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50324.D\ECD1A.CH Vial: 48  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50324.D\ECD2B.CH  
 Acq On : 27 Oct 2010 12:12 am Operator: toyar  
 Sample : ja58750-8 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 00:24:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	734.7E6	531.1E6	29.319	28.799
Spiked Amount 40.000			Recovery	=	73.30%	72.00%
50) S Decachlorobiphen	9.01	9.22	1000.5E6	595.8E6	42.333	43.596
Spiked Amount 40.000			Recovery	=	105.83%	108.99%

Target Compounds

-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50324.D PCB1826.M Wed Oct 27 09:30:26 2010 GC3G

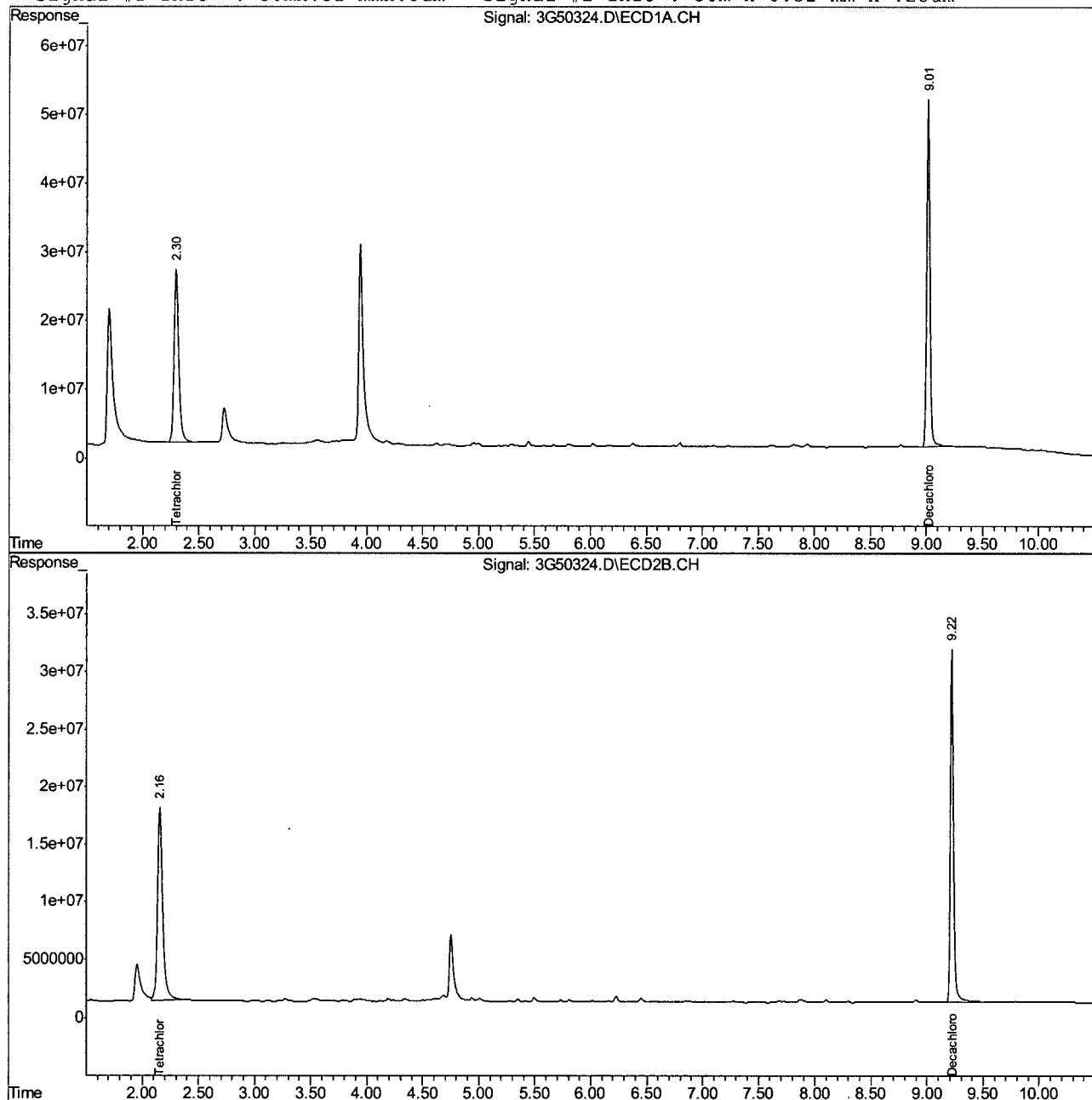


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50324.D\ECD1A.CH Vial: 48  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50324.D\ECD2B.CH  
Acq On : 27 Oct 2010 12:12 am Operator: toyar  
Sample : ja58750-8 Inst : GC3G  
Misc : OP46353,g3gl851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50325.D\ECD1A.CH Vial: 49  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50325.D\ECD2B.CH  
 Acq On : 27 Oct 2010 12:27 am Operator: toyar  
 Sample : ja58750-9 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 00:39:34 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	706.2E6	510.1E6	28.184	27.660
Spiked Amount 40.000			Recovery	=	70.46%	69.15%
50) S Decachlorobiphen	9.02	9.23	988.8E6	585.5E6	41.841	42.839
Spiked Amount 40.000			Recovery	=	104.60%	107.10%

Target Compounds

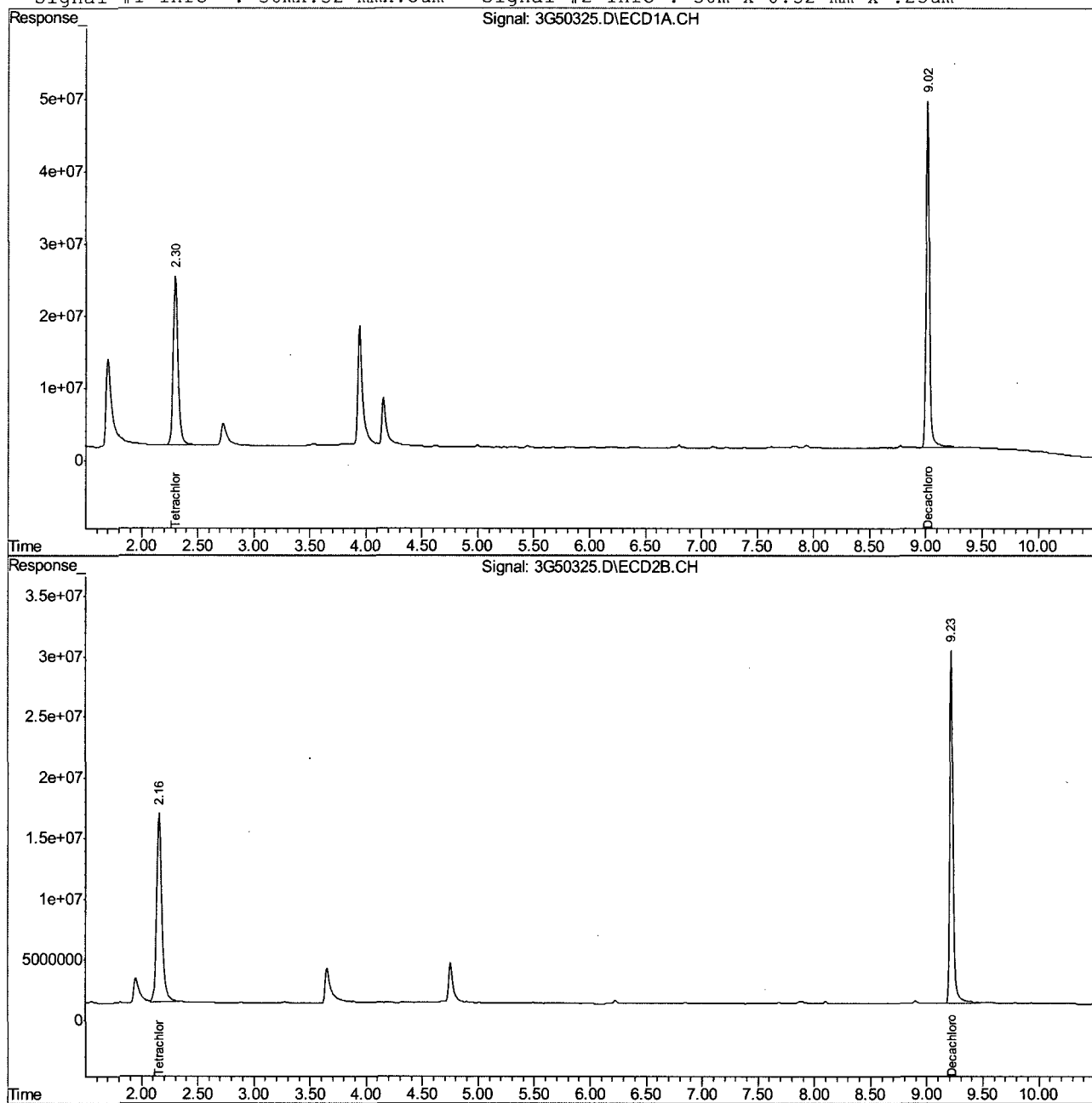
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50325.D PCB1826.M Wed Oct 27 09:30:44 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50325.D\ECD1A.CH Vial: 49  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50325.D\ECD2B.CH  
Acq On : 27 Oct 2010 12:27 am Operator: toyar  
Sample : ja58750-9 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50326.D\ECD1A.CH Vial: 50  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50326.D\ECD2B.CH  
 Acq On : 27 Oct 2010 12:42 am Operator: toyar  
 Sample : ja58750-10 Inst : GC3G  
 Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 00:54:43 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	743.7E6	532.6E6	29.678	28.881
Spiked Amount	40.000		Recovery	=	74.19%	72.20%
50) S Decachlorobiphen	9.01	9.22	987.3E6	585.8E6	41.776	42.866
Spiked Amount	40.000		Recovery	=	104.44%	107.16%

Target Compounds

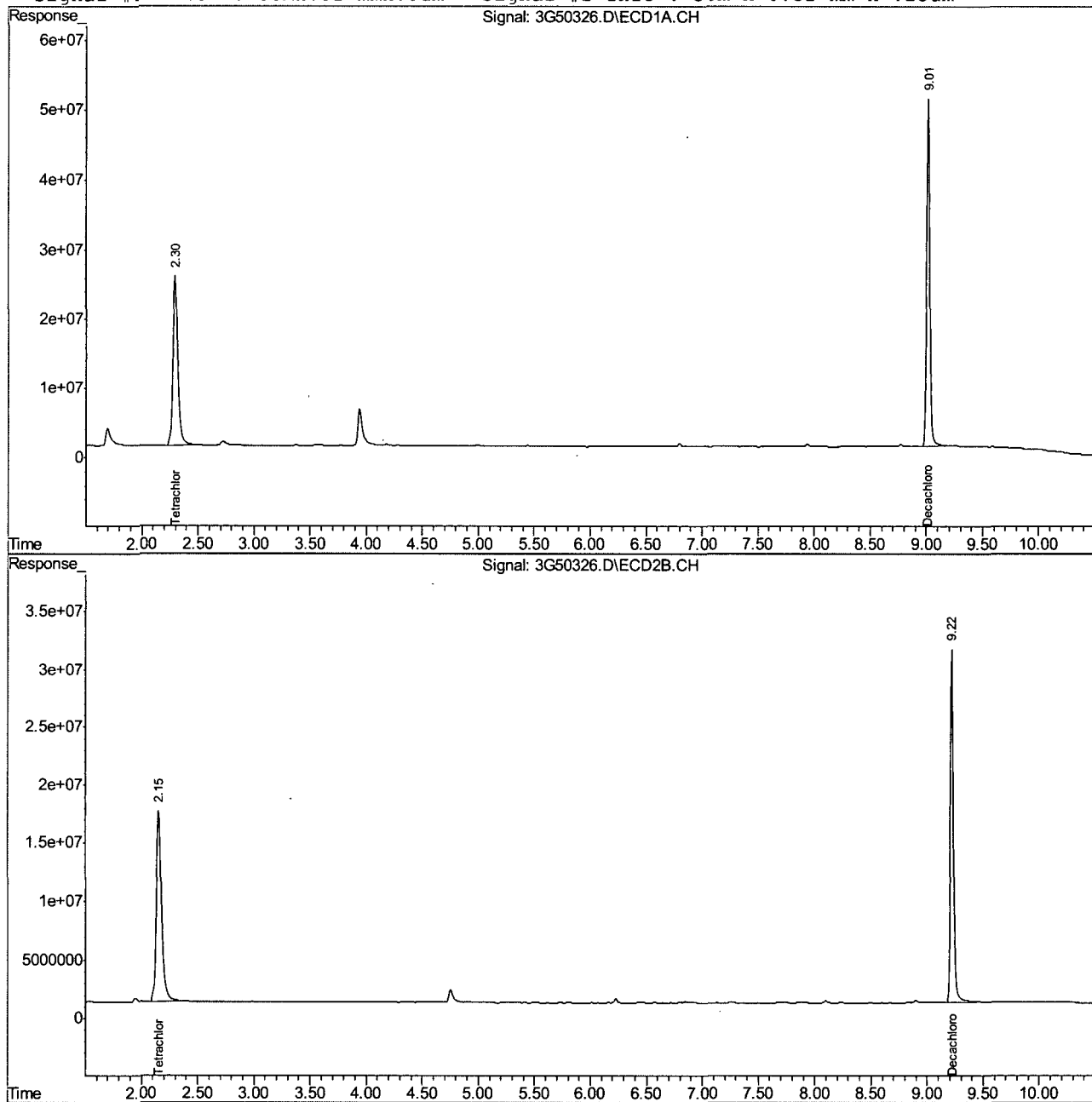
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50326.D PCB1826.M Wed Oct 27 09:31:00 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50326.D\ECD1A.CH Vial: 50  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50326.D\ECD2B.CH  
Acq On : 27 Oct 2010 12:42 am Operator: toyar  
Sample : ja58750-10 Inst : GC3G  
Misc : OP46353,g3gl851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50326.D PCB1826.M

Wed Oct 27 09:31:00 2010

GC3G

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50316.D\ECD1A.CH Vial: 40  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50316.D\ECD2B.CH  
Acq On : 10-26-2010 09:41:10 PM Operator: toyar  
Sample : ja58750-11 Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 21:53:32 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.29	2.15	774.6E6	543.2E6	30.913	29.460
Spiked Amount 40.000			Recovery	=	77.28%	73.65%
50) S Decachlorobiphen	9.02	9.23	928.9E6	560.5E6	39.304	41.012
Spiked Amount 40.000			Recovery	=	98.26%	102.53%

Target Compounds

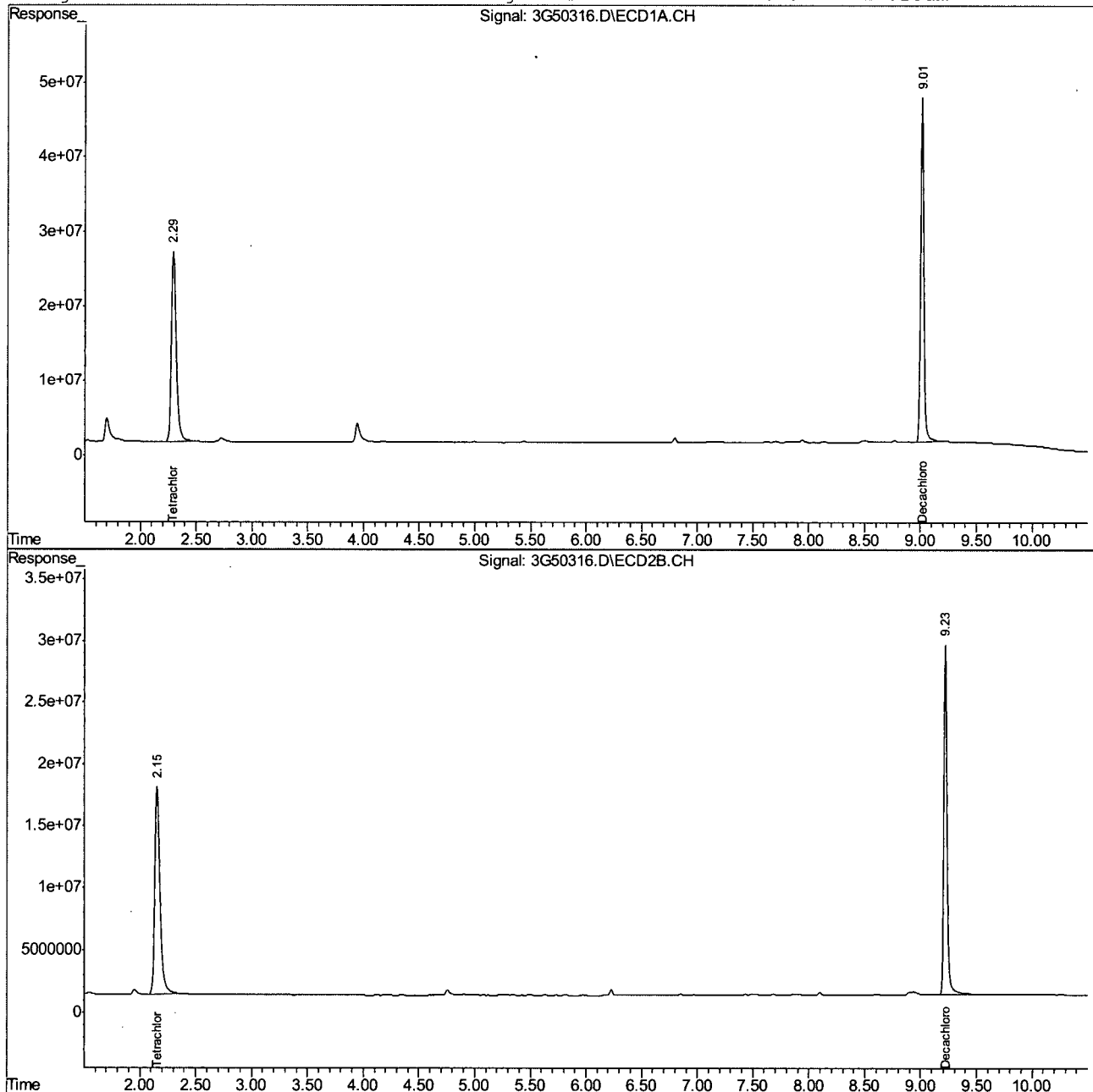
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50316.D PCB1826.M Wed Oct 27 09:19:09 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50316.D\ECD1A.CH Vial: 40  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50316.D\ECD2B.CH  
Acq On : 10-26-2010 09:41:10 PM Operator: toyar  
Sample : ja58750-11 Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:19 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50328.D\ECD1A.CH Vial: 52  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50328.D\ECD2B.CH  
 Acq On : 10-27-2010 01:12:28 AM Operator: toyar  
 Sample : ja58750-12 Inst : GC3G  
 Misc : OP46353,g3g1851,17.3,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 01:24:51 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	752.4E6	529.5E6	30.028	28.717
Spiked Amount 40.000			Recovery	=	75.07%	71.79%
50) S Decachlorobiphen	9.01	9.23	939.8E6	551.1E6	39.767	40.323
Spiked Amount 40.000			Recovery	=	99.42%	100.81%

Target Compounds

-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50328.D PCB1826.M Wed Oct 27 09:31:39 2010 GC3G

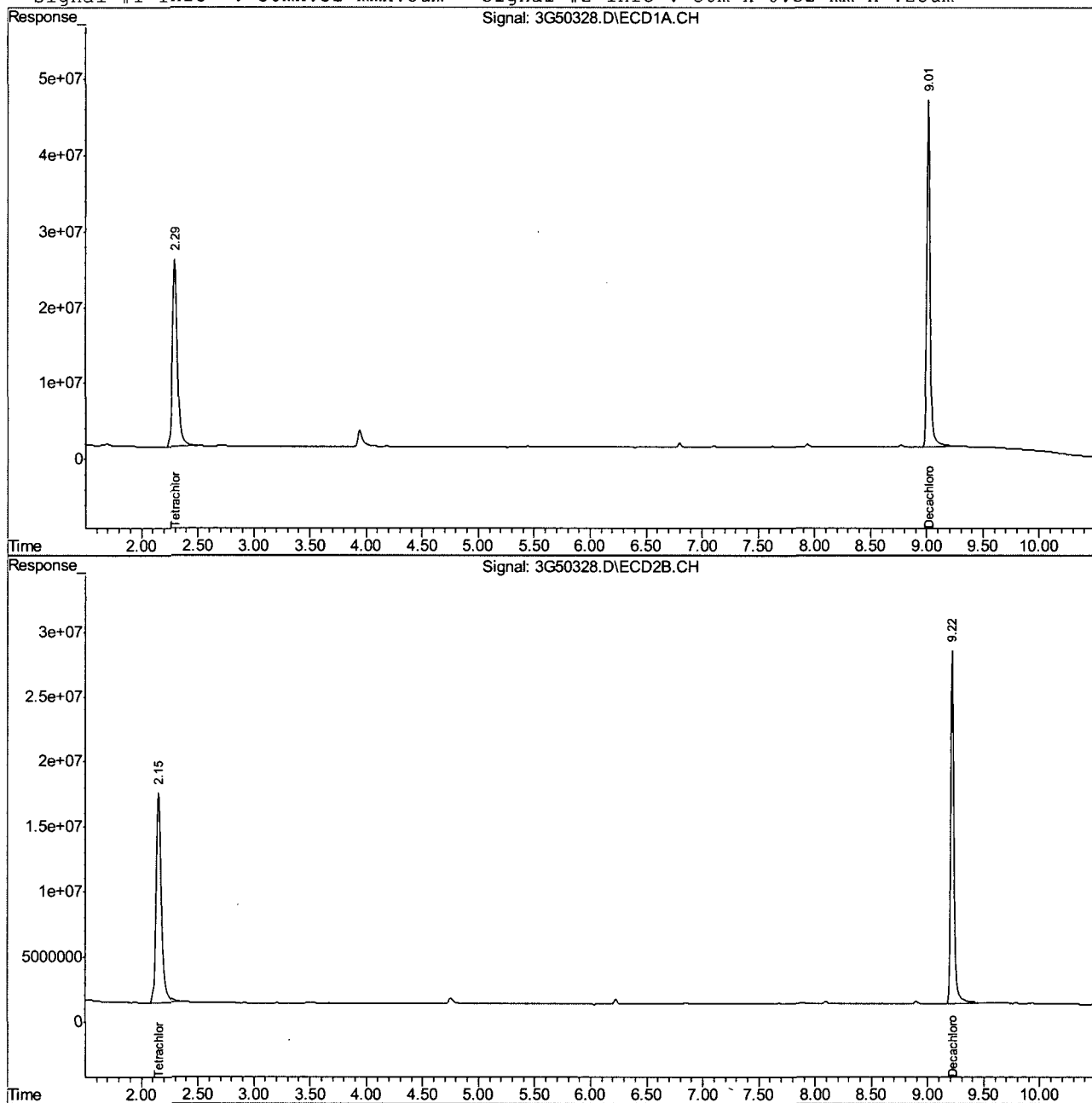


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50328.D\ECD1A.CH Vial: 52  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50328.D\ECD2B.CH  
Acq On : 10-27-2010 01:12:28 AM Operator: toyar  
Sample : ja58750-12 Inst : GC3G  
Misc : OP46353,g3g1851,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:31 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50329.D\ECD1A.CH Vial: 53  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50329.D\ECD2B.CH  
 Acq On : 10-27-2010 01:27:33 AM Operator: toyar  
 Sample : ja58750-13 Inst : GC3G  
 Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 01:39:59 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	723.2E6	514.1E6	28.863	27.878
Spiked Amount	40.000		Recovery	=	72.16%	69.69%
50) S Decachlorobiphen	9.02	9.23	981.5E6	572.8E6	41.530	41.912
Spiked Amount	40.000		Recovery	=	103.83%	104.78%

Target Compounds

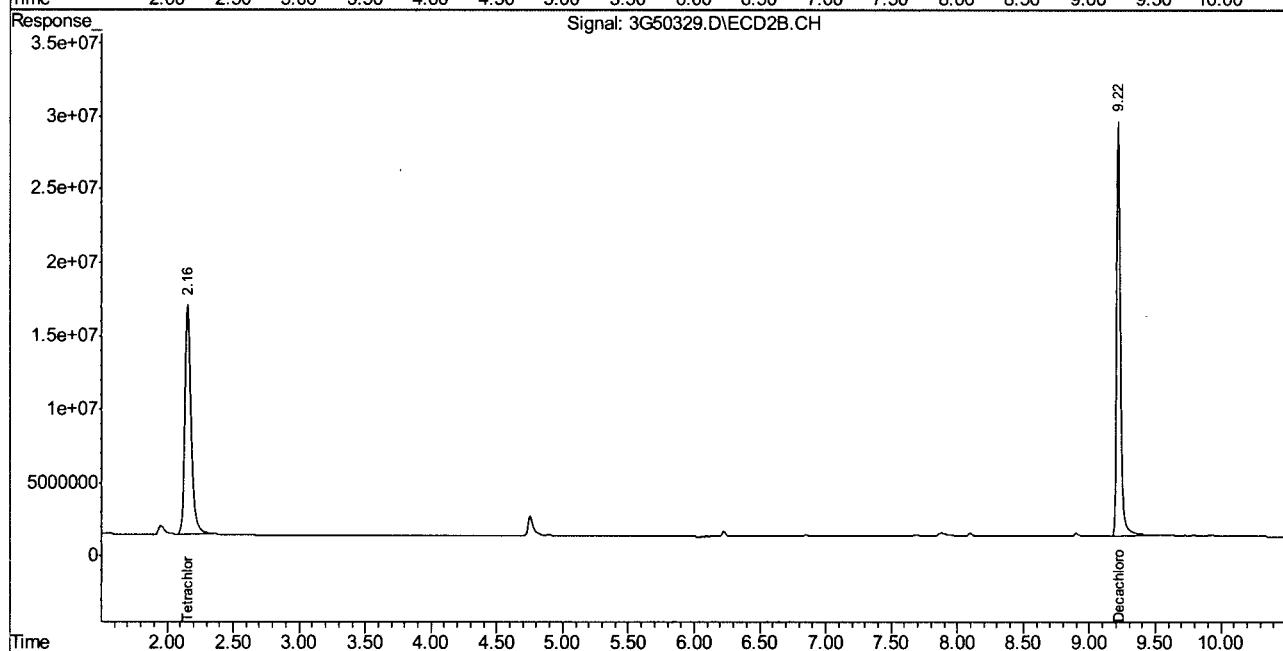
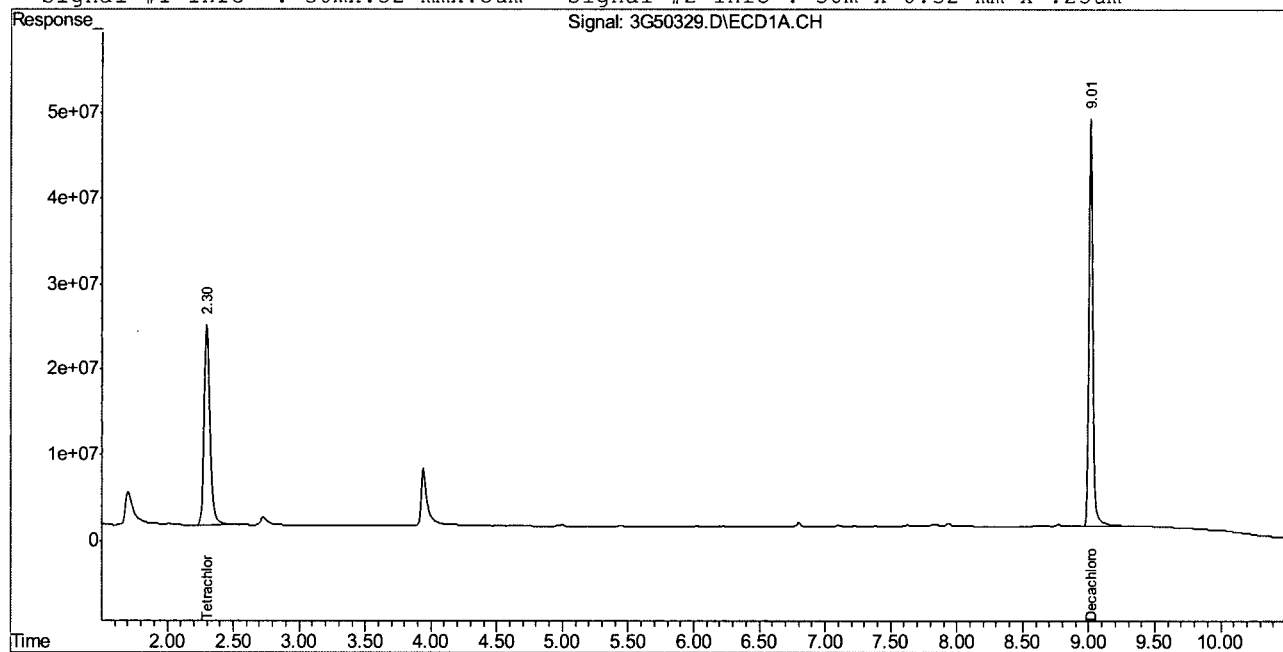
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50329.D PCB1826.M Wed Oct 27 09:31:54 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50329.D\ECD1A.CH Vial: 53  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50329.D\ECD2B.CH  
Acq On : 10-27-2010 01:27:33 AM Operator: toyar  
Sample : ja58750-13 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:31 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50330.D\ECD1A.CH Vial: 54  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50330.D\ECD2B.CH  
Acq On : 10-27-2010 01:42:37 AM Operator: toyar  
Sample : ja58750-14 Inst : GC3G  
Misc : OP46353,g3gl851,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 01:55:00 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	770.0E6	560.4E6	30.730	30.389
Spiked Amount	40.000		Recovery	=	76.83%	75.97%
50) S Decachlorobiphen	9.01	9.22	994.5E6	584.2E6	42.080	42.745
Spiked Amount	40.000		Recovery	=	105.20%	106.86%

Target Compounds

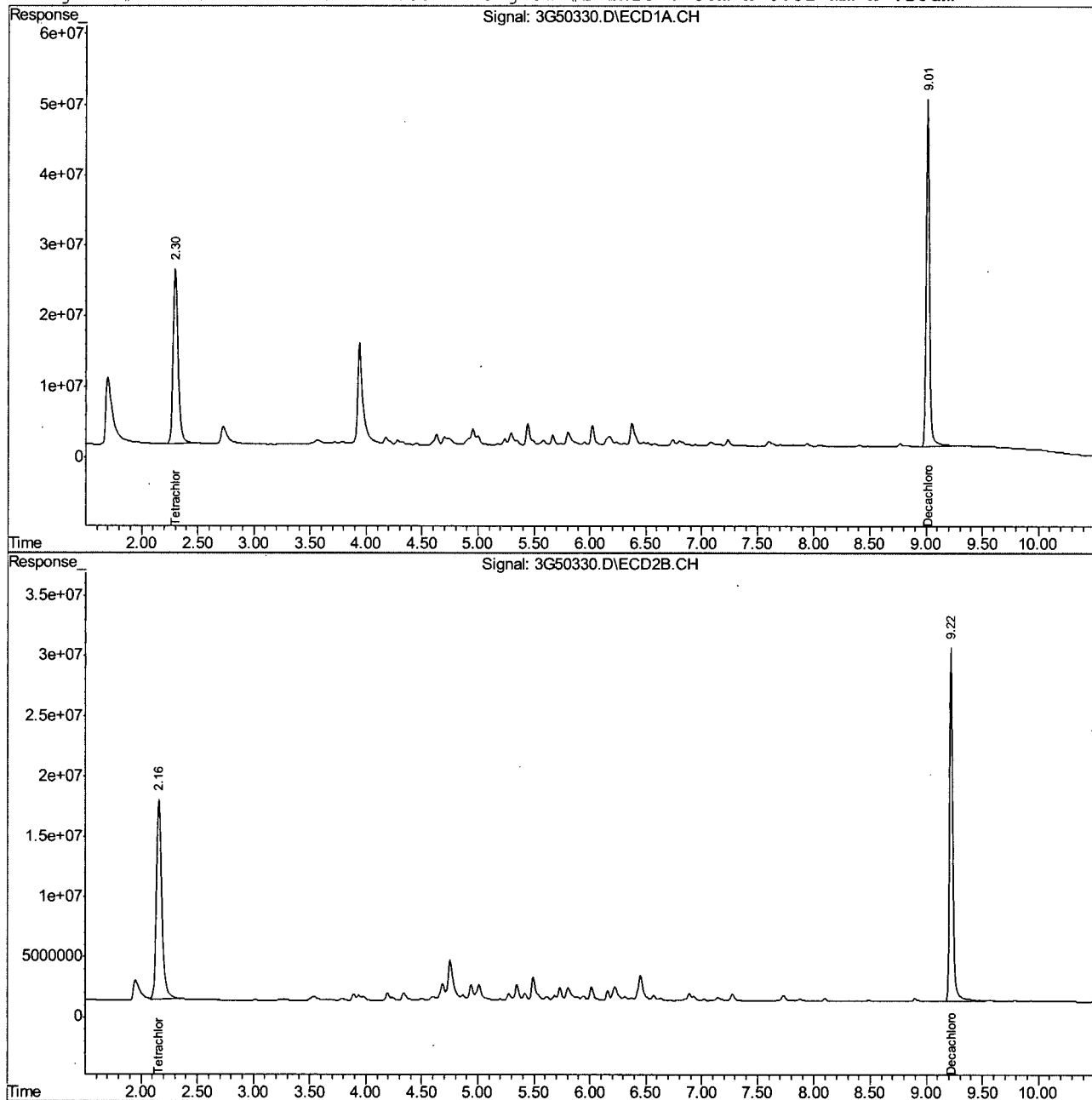
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50330.D PCB1826.M Wed Oct 27 09:32:35 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50330.D\ECD1A.CH Vial: 54  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50330.D\ECD2B.CH  
Acq On : 10-27-2010 01:42:37 AM Operator: toyar  
Sample : ja58750-14 Inst : GC3G  
Misc : OP46353,g3gl851,17.2,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:32 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50331.D\ECD1A.CH Vial: 55  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50331.D\ECD2B.CH  
 Acq On : 10-27-2010 01:57:42 AM Operator: toyar  
 Sample : ja58750-15 Inst : GC3G  
 Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 27 02:10:05 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	709.1E6	503.2E6	28.298	27.290
Spiked Amount 40.000			Recovery	=	70.74%	68.23%
50) S Decachlorobiphen	9.02	9.22	844.2E6	495.9E6	35.721	36.288
Spiked Amount 40.000			Recovery	=	89.30%	90.72%

Target Compounds

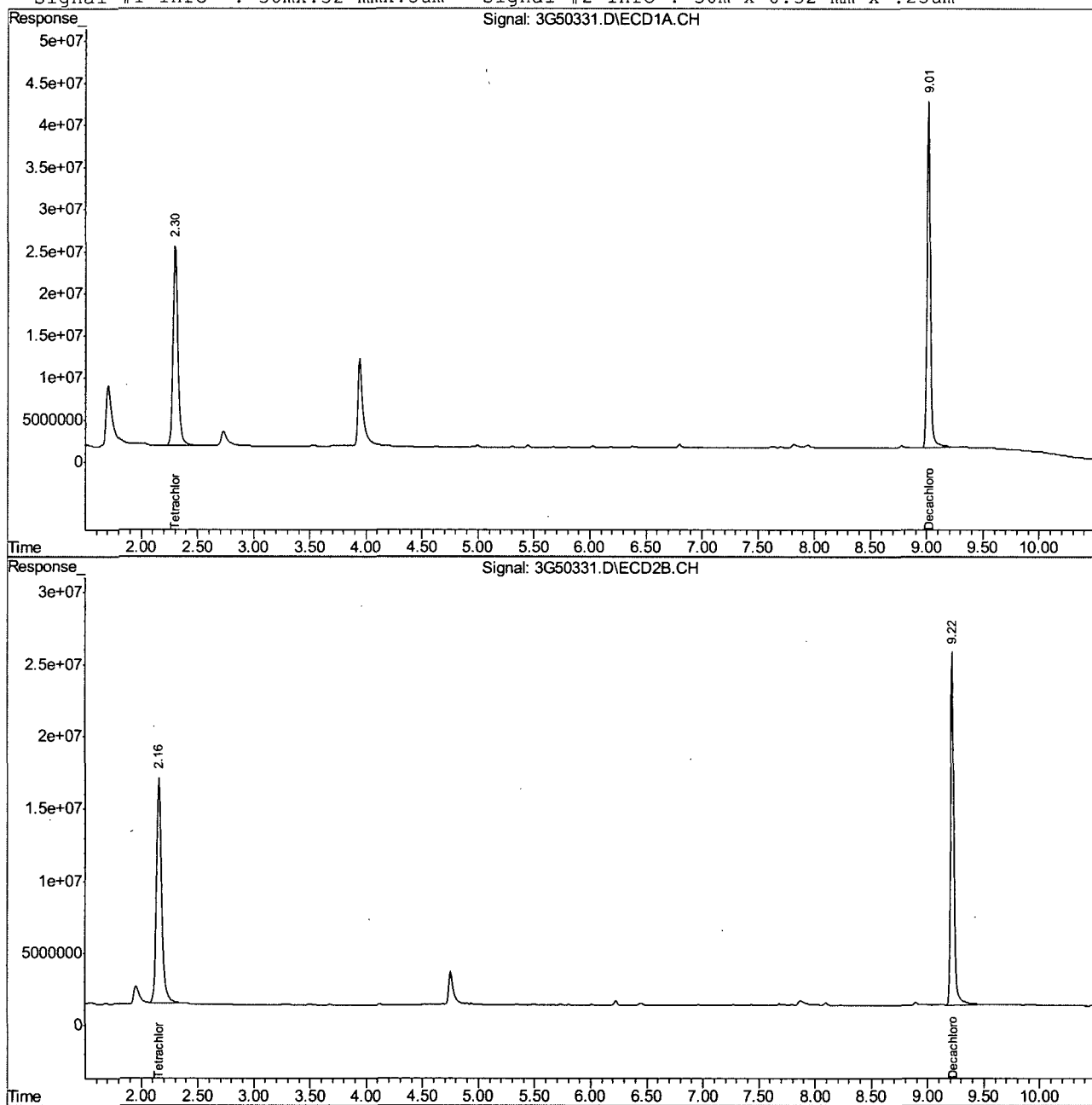
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50331.D PCB1826.M Wed Oct 27 09:32:57 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50331.D\ECD1A.CH Vial: 55  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50331.D\ECD2B.CH  
Acq On : 10-27-2010 01:57:42 AM Operator: toyar  
Sample : ja58750-15 Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:32 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50327.D\ECD1A.CH Vial: 51  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50327.D\ECD2B.CH  
Acq On : 27 Oct 2010 12:57 am Operator: toyar  
Sample : ja58750-16 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 01:09:48 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	706.5E6	501.5E6	28.196	27.199
Spiked Amount 40.000			Recovery	=	70.49%	68.00%
50) S Decachlorobiphen	9.01	9.22	948.8E6	563.4E6	40.146	41.227
Spiked Amount 40.000			Recovery	=	100.36%	103.07%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50327.D PCB1826.M Wed Oct 27 09:31:20 2010 GC3G

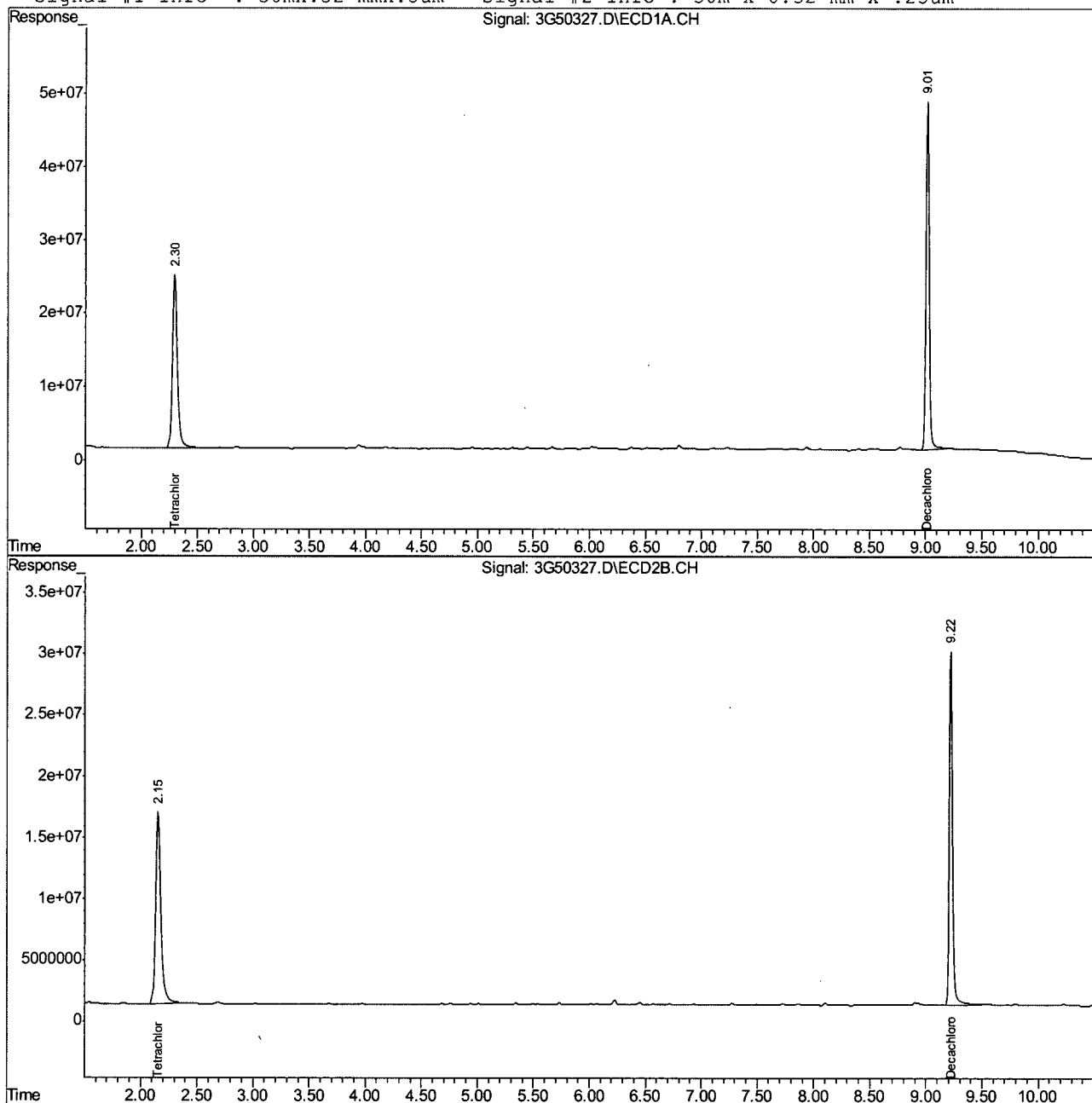


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50327.D\ECD1A.CH Vial: 51  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50327.D\ECD2B.CH  
Acq On : 27 Oct 2010 12:57 am Operator: toyar  
Sample : ja58750-16 Inst : GC3G  
Misc : OP46353,g3g1851,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:31 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50327.D PCB1826.M

Wed Oct 27 09:31:20 2010

GC3G

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50385.D\ECD1A.CH Vial: 29  
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50385.D\ECD2B.CH  
 Acq On : 28 Oct 2010 12:35 am Operator: toyar  
 Sample : JA58750-17 Inst : GC3G  
 Misc : OP46353,g3g1852,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 28 10:49:49 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Thu Oct 28 09:16:24 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	268.7E6	200.3E6	10.724	10.864
Spiked Amount 40.000			Recovery	=	26.81%	27.16%
50) S Decachlorobiphen	9.02	9.23	630.4E6	386.2E6	26.673	28.259
Spiked Amount 40.000			Recovery	=	66.68%	70.65%

Target Compounds

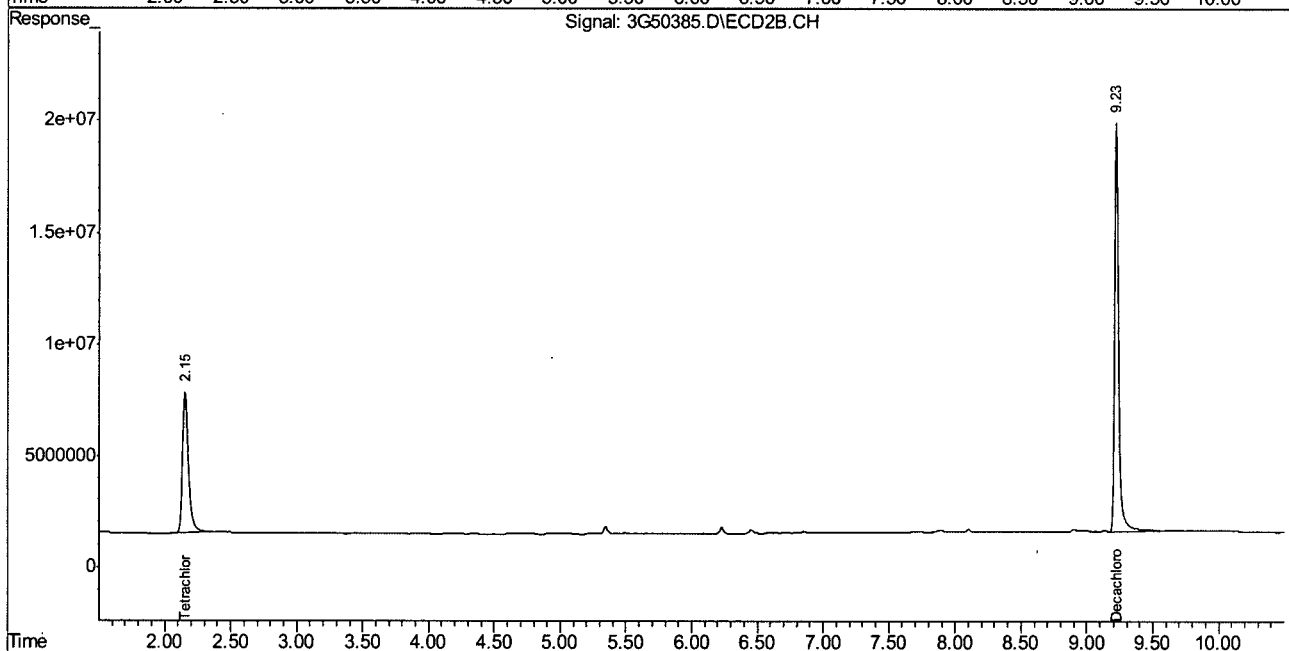
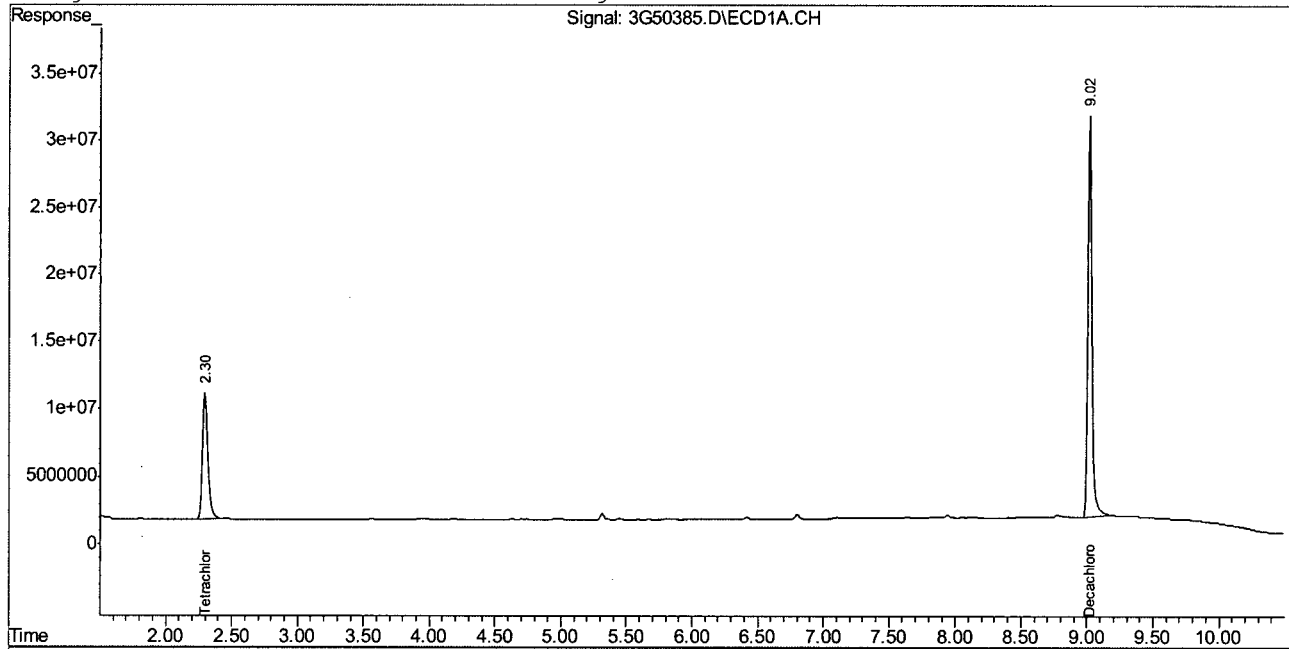
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50385.D PCB1826.M Thu Oct 28 10:50:06 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50385.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50385.D\ECD2B.CH  
Acq On : 28 Oct 2010 12:35 am Operator: toyar  
Sample : JA58750-17 Inst : GC3G  
Misc : OP46353,g3g1852,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 28 10:49 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Thu Oct 28 09:16:24 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50386.D\ECD1A.CH Vial: 30  
 Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50386.D\ECD2B.CH  
 Acq On : 28 Oct 2010 12:50 am Operator: toyar  
 Sample : JA58750-18 Inst : GC3G  
 Misc : OP46353,g3g1852,17.3,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 28 10:50:24 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Thu Oct 28 09:16:24 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	744.5E6	566.1E6	29.713	30.698
Spiked Amount 40.000			Recovery	=	74.28%	76.74%
50) S Decachlorobiphen	9.02	9.22	882.5E6	557.0E6	37.343	40.757
Spiked Amount 40.000			Recovery	=	93.36%	101.89%

Target Compounds

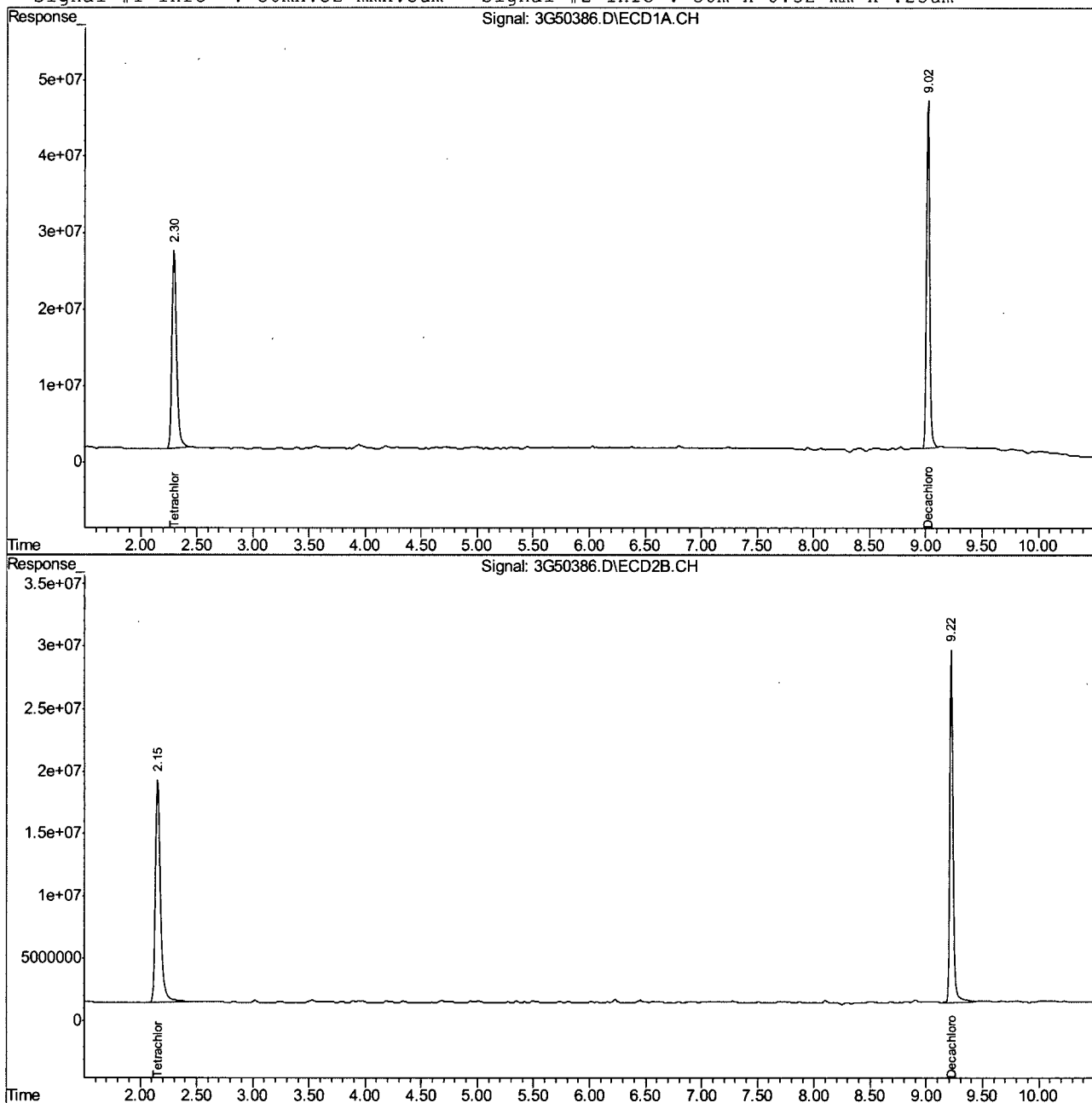
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50386.D PCB1826.M Thu Oct 28 10:50:39 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1852\3G50386.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1852\3G50386.D\ECD2B.CH  
Acq On : 28 Oct 2010 12:50 am Operator: toyar  
Sample : JA58750-18 Inst : GC3G  
Misc : OP46353,g3g1852,17.3,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 28 10:50 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Thu Oct 28 09:16:24 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50386.D PCB1826.M

Thu Oct 28 10:50:39 2010

GC3G

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10.1.54 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95224.D\ECD1A.CH Vial: 3  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95224.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:06 pm Operator: toyar  
Sample : op46195-mbl Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:30 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:29:22 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

2) S 2,4-DCAA	15.17	14.67	947.5E6	369.1E6	430.862	392.695
Spiked Amount	500.000		Recovery	=	86.17%	78.54%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95224.D HWW3143.M Tue Oct 19 17:30:15 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95224.D\ECD1A.CH Vial: 3  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95224.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:06 pm Operator: toyar  
Sample : op46195-mb1 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 17:30 2010 Quant Results File: HWW3143.RES

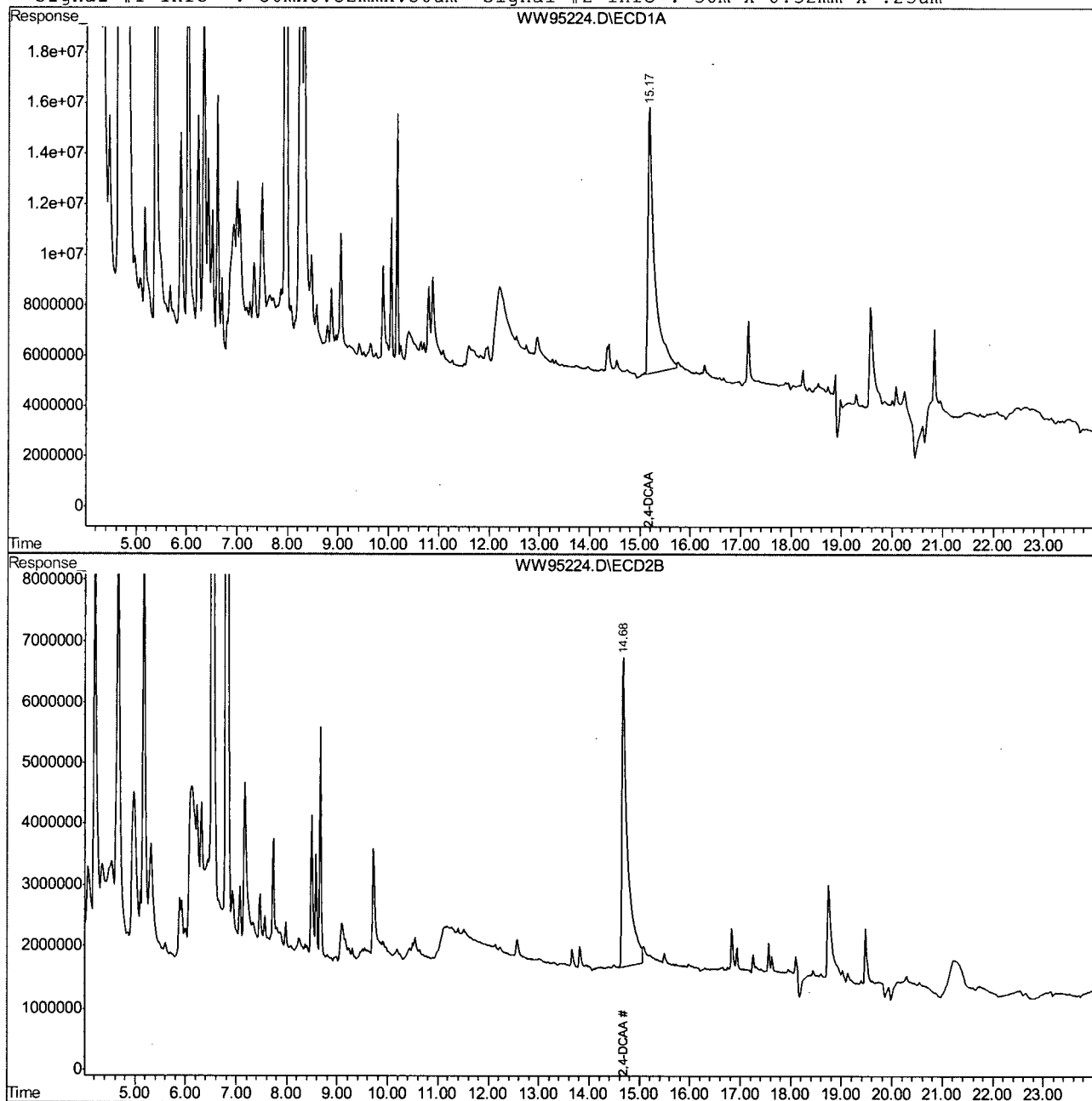
Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 17:29:22 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLPI

Signal #2 Phase: RTXCLPII

Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95224.D HWW3143.M

Tue Oct 19 17:30:15 2010

GCCD

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10.2.1 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58374.D\ECD1A.CH Vial: 19  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58374.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:02 pm Operator: owenm  
Sample : op46352-mbl Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

-----  
System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	727.9E6	230.2E6	33.833	34.867
Spiked Amount	40.000	Range	30 - 150	Recovery	=	84.58% 87.17%
34) SA Decachlorobiphen	8.63	10.25	1221.7E6	172.6E6	36.645	36.269
Spiked Amount	40.000	Range	30 - 150	Recovery	=	91.61% 90.67%

## Target Compounds

-----  
(f)=RT Delta > 1/2 Window  
1G58374.D 1PST2127.M

Tue Nov 02 10:15:40 2010

(m)=manual int.  
RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58374.D\ECD1A.CH Vial: 19  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58374.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:02 pm Operator: owenm  
Sample : op46352-mb1 Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

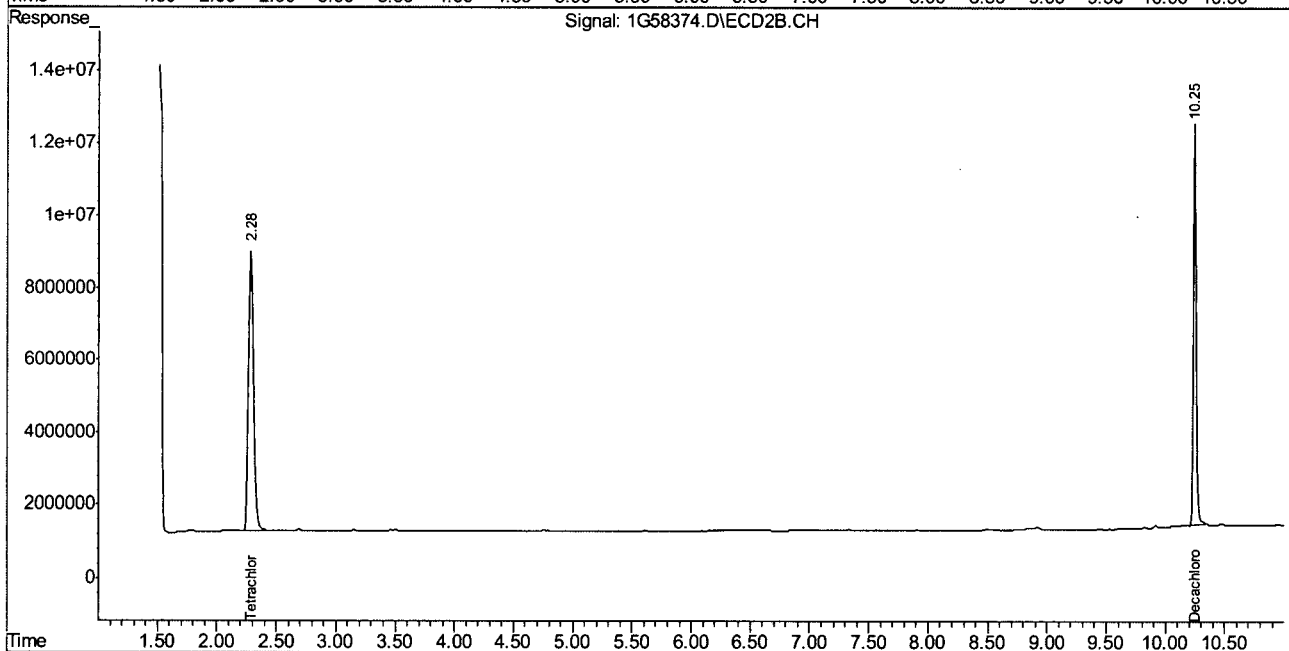
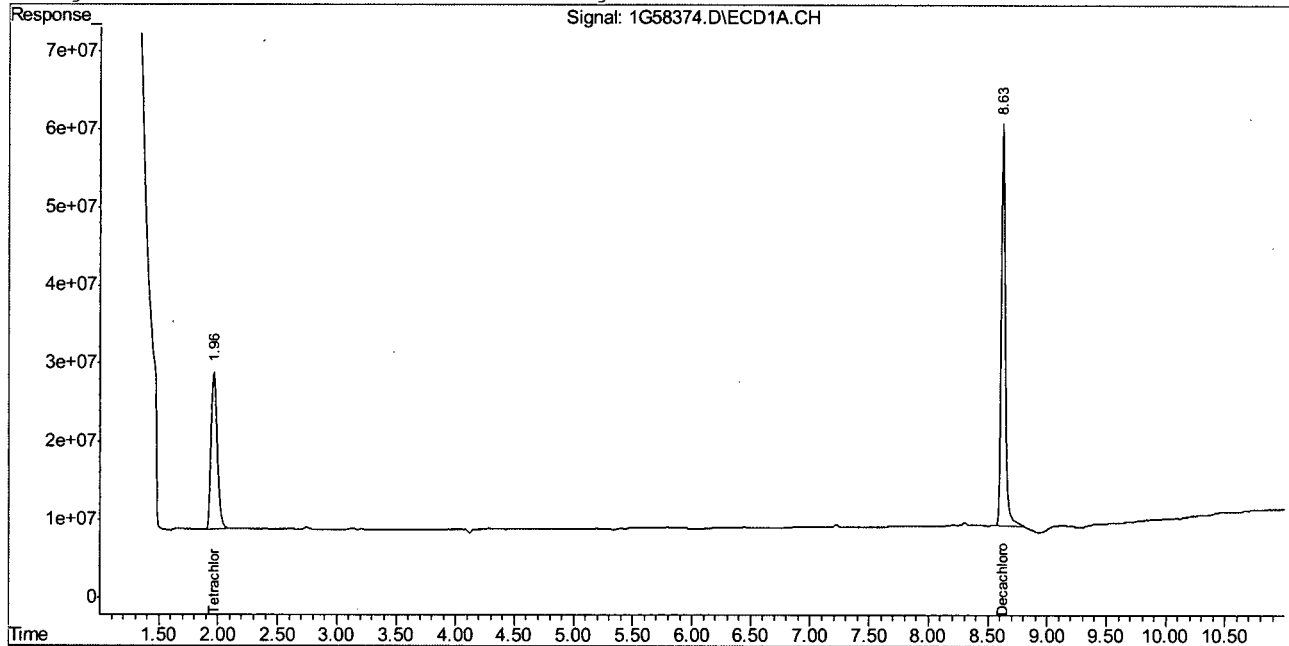
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58374.D 1PST2127.M

Tue Nov 02 10:15:40 2010

RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50312.D\ECD1A.CH Vial: 36  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50312.D\ECD2B.CH  
Acq On : 10-26-2010 08:40:50 PM Operator: toyar  
Sample : op46353-mbl Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 20:53:12 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	943.0E6	656.9E6	37.632	35.624
Spiked Amount 40.000			Recovery	=	94.08%	89.06%
50) S Decachlorobiphen	9.02	9.23	992.0E6	582.1E6	41.975	42.591
Spiked Amount 40.000			Recovery	=	104.94%	106.48%

Target Compounds

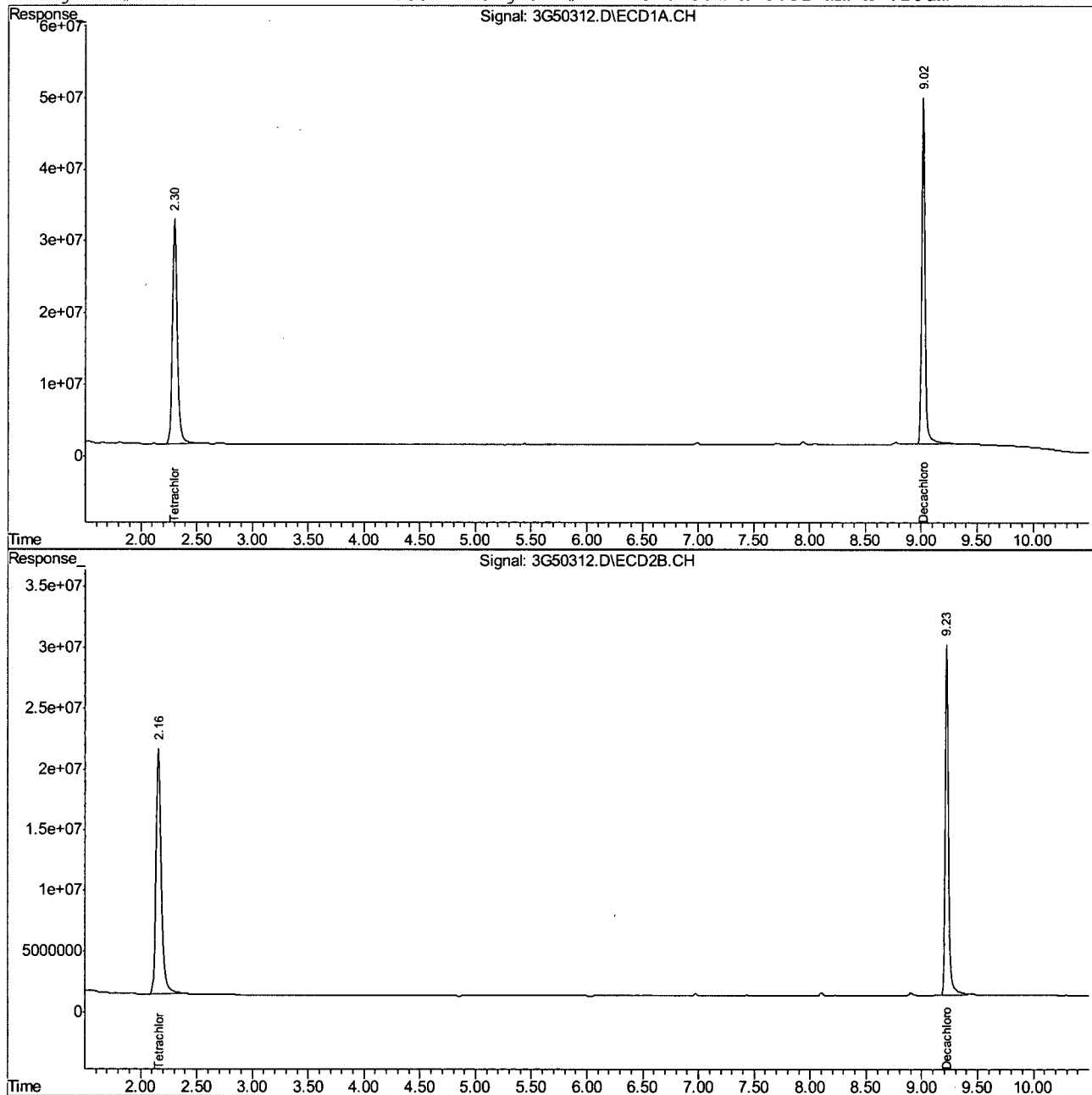
-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50312.D PCB1826.M Wed Oct 27 09:17:13 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50312.D\ECD1A.CH Vial: 36  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50312.D\ECD2B.CH  
Acq On : 10-26-2010 08:40:50 PM Operator: toyar  
Sample : op46353-mbl Inst : GC3G  
Misc : OP46353,g3gl851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:17 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50312.D PCB1826.M

Wed Oct 27 09:17:13 2010

GC3G

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100608.D\ECD1A.CH Vial: 7  
Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100608.D\ECD2B.CH  
Acq On : 3 Nov 2010 12:25 pm Operator: annaz  
Sample : op46323-mb2 Inst : GCXX  
Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 4 10:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)  
Title :  
Last Update : Tue Nov 02 16:58:43 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul  
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2  
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.20	2.87	645.8E6	230.3E6	32.841	35.534
Spiked Amount 40.000			Recovery	=	82.10%	88.83%
51) S Decachlorobiphen	9.64	11.60	998.7E6	345.6E6	39.585	41.828
Spiked Amount 40.000			Recovery	=	98.96%	104.57%

Target Compounds

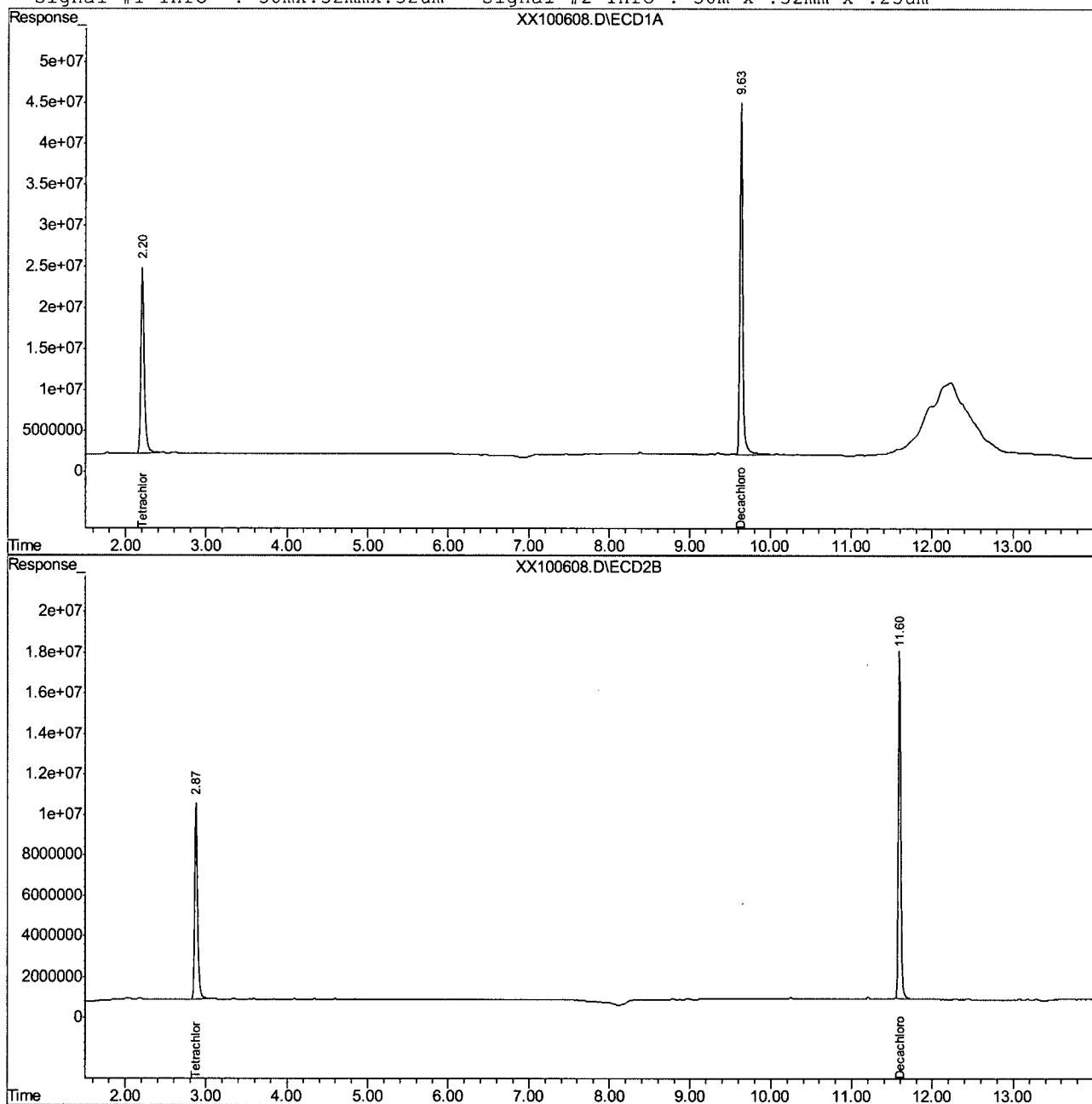
-----  
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.  
XX100608.D PCB3901.M Thu Nov 04 10:10:25 2010 GCXX

## Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100608.D\ECD1A.CH Vial: 7  
Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100608.D\ECD2B.CH  
Acq On : 3 Nov 2010 12:25 pm Operator: annaz  
Sample : op46323-mb2 Inst : GCXX  
Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 4 10:09 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)  
Title :  
Last Update : Tue Nov 02 16:58:43 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul  
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2  
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um



XX100608.D PCB3901.M

Thu Nov 04 10:10:25 2010

GCXX

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68394.D\ECD1A.CH Vial: 26  
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68394.D\ECD2B.CH  
 Acq On : 11-3-10 08:48:10 PM Operator: annaz  
 Sample : op46323-mb2 Inst : GCOA  
 Misc : OP46323,GOA2391,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Nov 04 08:48:47 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
 Title : PCB  
 Last Update : Wed Nov 03 09:31:37 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	722.6E6	276.1E6	37.113	38.307
Spiked Amount	40.000		Recovery	=	92.78%	95.77%
52) S Decachlorobiphen	13.18	13.04	712.0E6	462.8E6	41.255	40.523
Spiked Amount	40.000		Recovery	=	103.14%	101.31%

Target Compounds

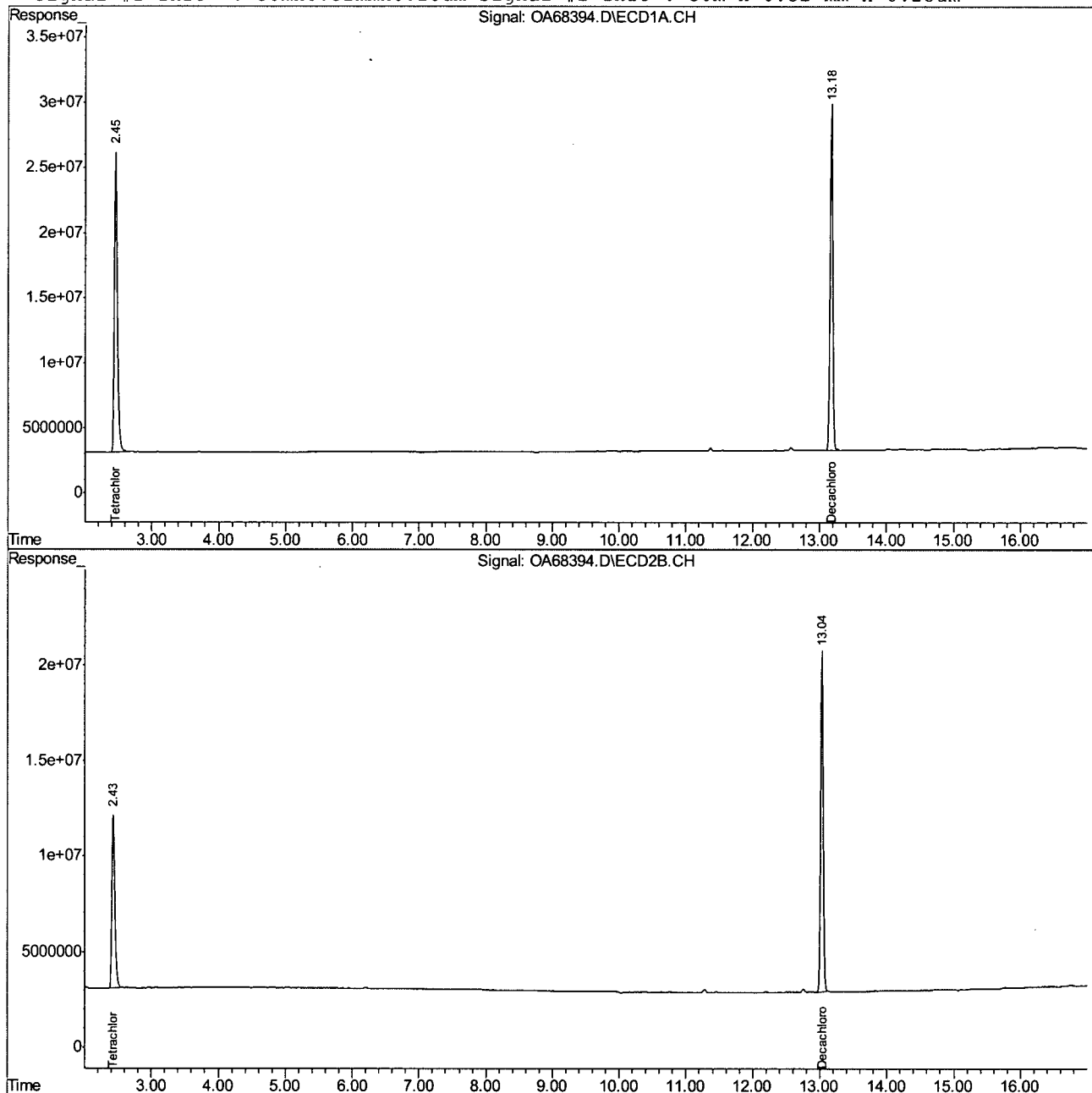
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 OA68394.D PCB2389.M Thu Nov 04 08:49:08 2010 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68394.D\ECD1A.CH Vial: 26  
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68394.D\ECD2B.CH  
Acq On : 11-3-10 08:48:10 PM Operator: annaz  
Sample : op46323-mb2 Inst : GCOA  
Misc : OP46323,GOA2391,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Nov 4 8:48 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
Title : PCB  
Last Update : Wed Nov 03 09:31:37 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50278.D\ECD1A.CH Vial: 2  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50278.D\ECD2B.CH  
Acq On : 26 Oct 2010 10:18 am Operator: toyar  
Sample : op46323-mb1 Inst : GC3G  
Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 10:32:57 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 09:07:17 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	837.0E6	630.6E6	33.404	34.197
Spiked Amount	40.000		Recovery	=	83.51%	85.49%
50) S Decachlorobiphen	9.01	9.22	872.1E6	564.8E6	36.900	41.327
Spiked Amount	40.000		Recovery	=	92.25%	103.32%

Target Compounds

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50278.D PCB1826.M Tue Oct 26 11:20:06 2010 GC3G

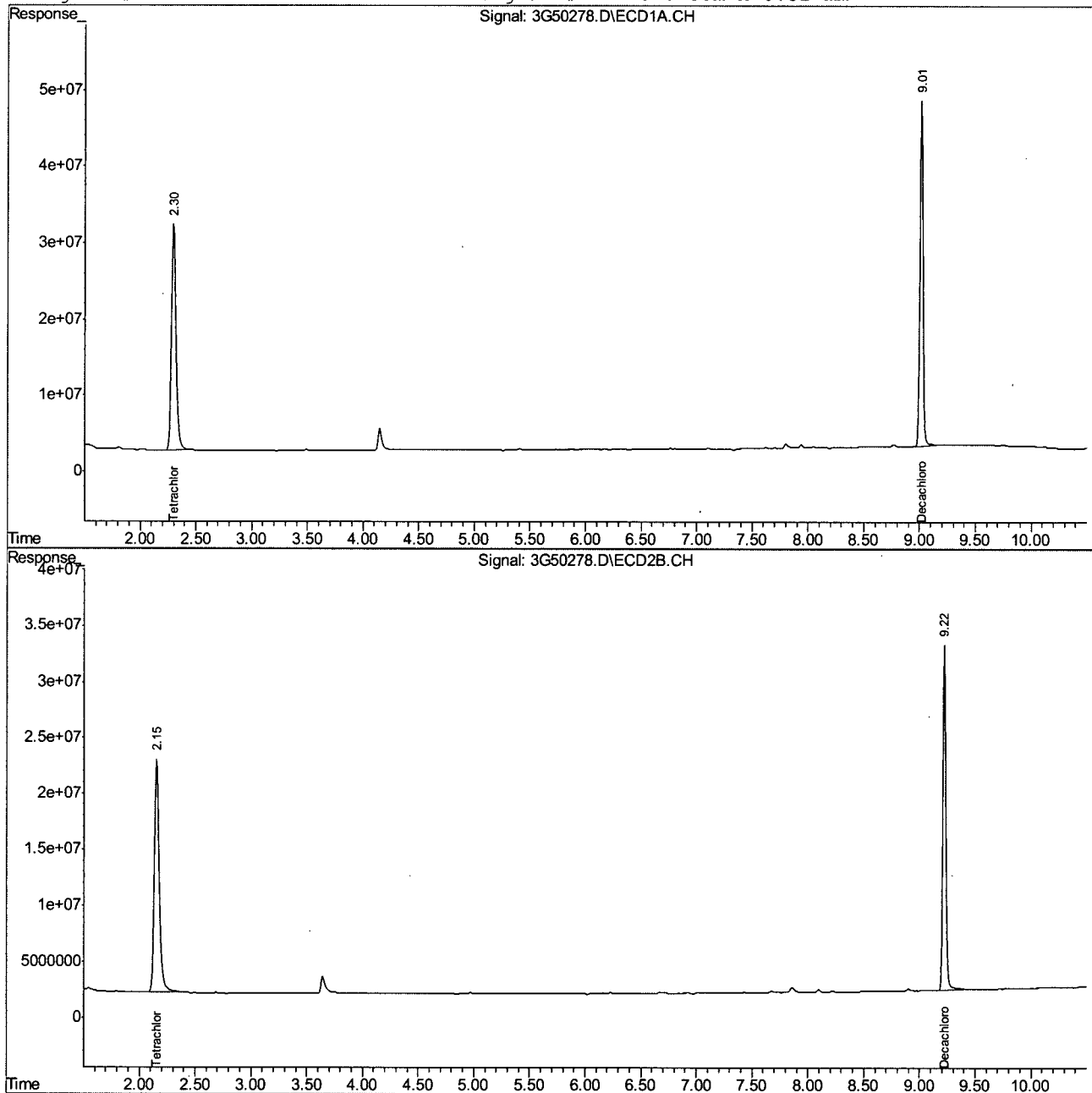


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50278.D\ECD1A.CH Vial: 2  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50278.D\ECD2B.CH  
Acq On : 26 Oct 2010 10:18 am Operator: toyar  
Sample : op46323-mb1 Inst : GC3G  
Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 10:33 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 09:07:17 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



Cheng-Hwan Ao  
10/20/10 15:54

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD1A.CH Vial: 4  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:36 pm Operator: toyar  
Sample : op46195-bs1 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 13:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 13:16:33 2010  
Response via : Initial Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S	2,4-DCAA	15.13	14.63	1110.9E6	431.5E6	505.173	459.073
Spiked Amount		500.000		Recovery		=	101.03%

## Target Compounds

1)	Dalapon	6.09	5.17	161.3E6	106.9E6	46.499	65.450 #
3)	Dicamba	15.39	14.87	670.3E6	232.4E6	59.708	53.186
4)	MCPFP	15.69	15.08	58743482	26518200	11429.942	8697.670
5)	MCPA	15.93	15.43	73895524	55407024	7574.239	11635.296 #
6)	Dichloroprop	16.47	15.91	619.0E6	243.7E6	191.217	181.740
7)	2,4-D	16.86	16.38	578.0E6	247.9E6	185.614	175.389
8)	Pentachloropheno	17.13	16.83	1322.1E6	463.7E6	29.105	27.062
9)	2,4,5-TP	17.93	17.40	801.0E6	329.3E6	44.842	46.557
10)	2,4,5-T	18.34	17.92	559.2E6	213.9E6	36.607	35.672m
11)	2,4-DB	19.02	18.55	458.8E6	198.3E6	296.582	272.887
12)	Dinoseb	20.25	18.87	3760.1E6	1085.3E6	219.991	220.111
13)	Picloram	20.19	20.06	582.9E6	903.9E6	35.453	109.547 #

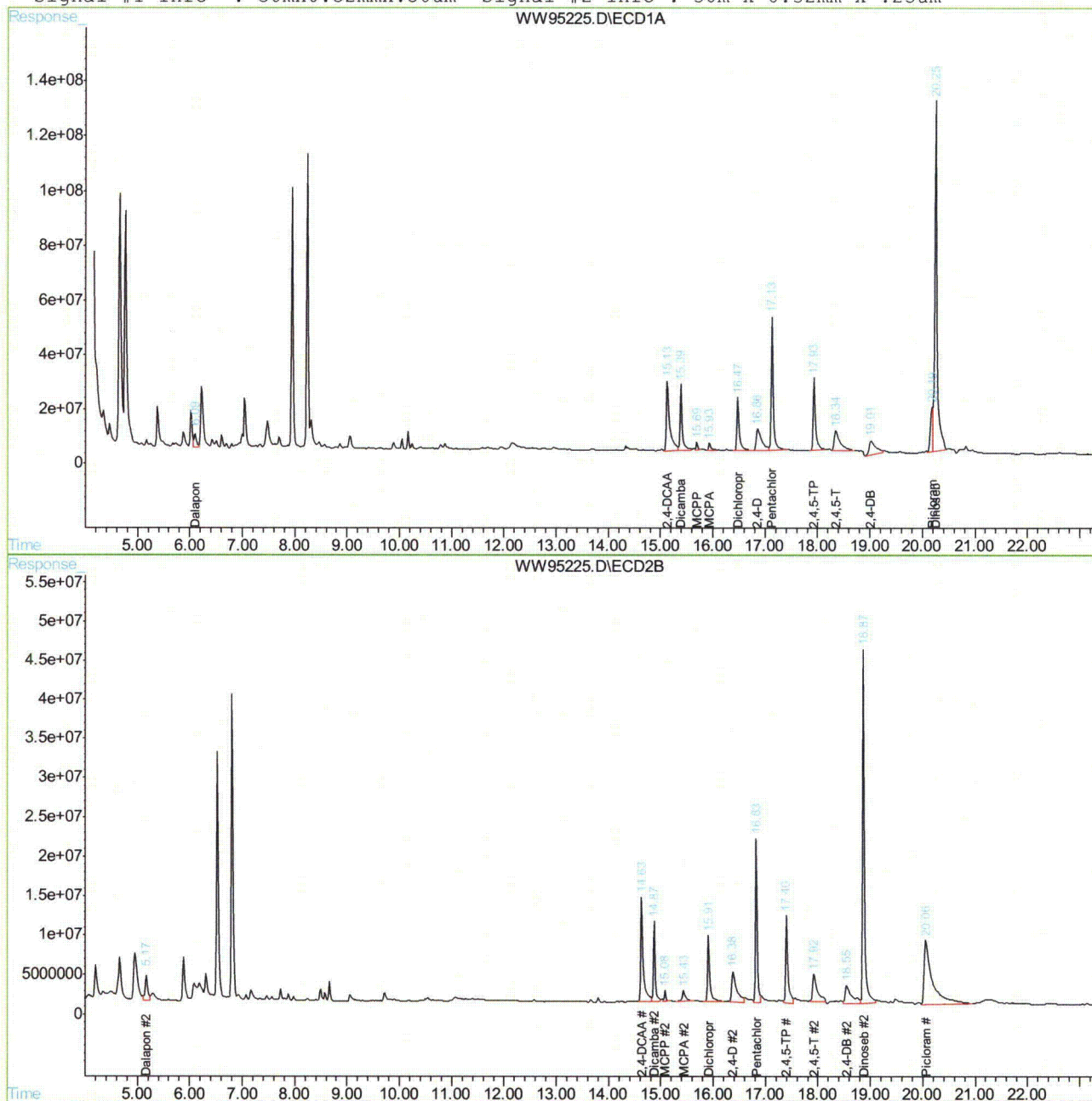
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
WW95225.D HWW3143.M Tue Oct 19 17:30:39 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD1A.CH Vial: 4  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:36 pm Operator: toyar  
Sample : op46195-bs1 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 13:17 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 13:16:33 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95225.D HWW3143.M

Tue Oct 19 17:30:39 2010

GCCD

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** OP46195-BS1      **Method:** SW846 8151  
**Lab FileID:** WW95225.D      **Analyst approved:** 10/20/10 09:56 Toya Dagenia Raffington  
**Injection Time:** 10/19/10 12:36      **Supervisor approved:** 10/20/10 15:54 Cheng-Hwan Ao

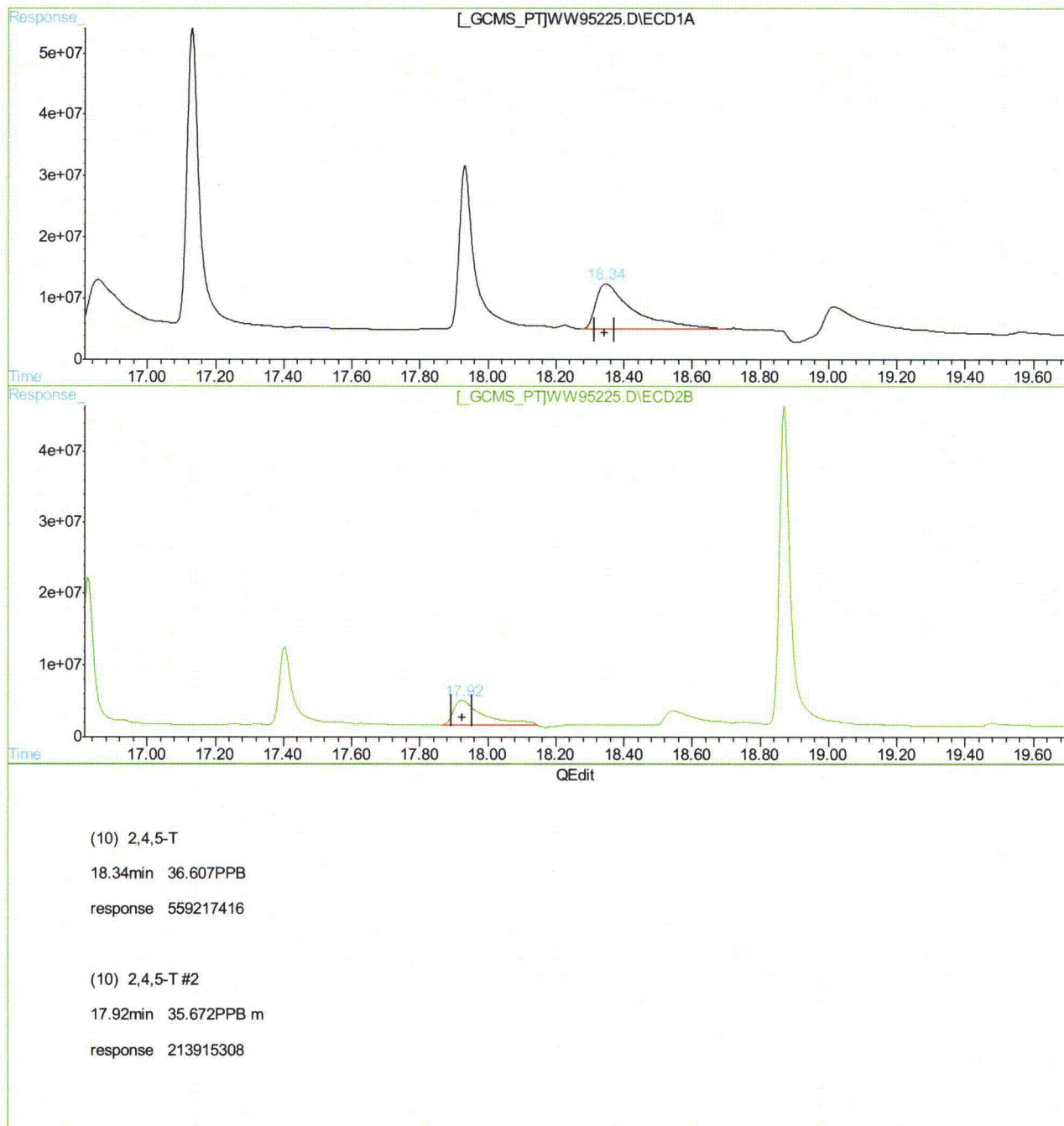
Parameter	CAS	Sig#	R. T. (min.)	Reason
2,4,5-T	93-76-5	2	17.92	Poorly defined baseline

10.3.1.1  
**10**

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD1A.CH Vial: 4  
Signal #2 : C:\HPCHEM\1\DATA\GWW3331\WW95225.D\ECD2B.CH  
Acq On : 19 Oct 2010 12:36 pm Operator: toyar  
Sample : op46195-bs1 Inst : GCWW  
Misc : OP46195,Gww3331,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 19 13:17 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Tue Oct 19 13:16:33 2010  
Response via : Multiple Level Calibration



(+) = Expected Retention Time

WW95225.D HWW3143.M

Tue Oct 19 13:17:56 2010

GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58375.D\ECD1A.CH Vial: 20  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58375.D\ECD2B.CH  
 Acq On : 01 Nov 2010 10:17 pm Operator: owenm  
 Sample : op46352-bs1 Inst : GC1G  
 Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	781.4E6	250.3E6	36.319	37.911
Spiked Amount	40.000	Range	30 - 150	Recovery	=	90.80% 94.78%
34) SA Decachlorobiphen	8.63	10.25	1258.3E6	182.3E6	37.743	38.307
Spiked Amount	40.000	Range	30 - 150	Recovery	=	94.36% 95.77%
Target Compounds						
3) A alpha-BHC	2.31	2.76	881.9E6	183.8E6	19.185	20.012
4) MA gamma-BHC	2.54	3.08	801.8E6	172.0E6	19.385	20.326
5) MA Heptachlor	2.94	3.56	807.1E6	161.2E6	18.905	19.680
6) B beta-BHC	2.60	3.15	343.9E6	82058699	19.536	20.915
7) B delta-BHC	2.75	3.47	802.6E6	160.4E6	20.704	21.326
8) MB Aldrin	3.22	3.94	783.8E6	157.2E6	19.194	20.048
9) B Heptachlor Epoxi	3.84	4.65	749.8E6	151.5E6	19.399	20.715
10) B gamma-Chlordane	3.98	4.90	748.4E6	154.1E6	19.583	20.476
11) B alpha-Chlordane	4.14	5.10	690.8E6	149.2E6	18.548	20.934
12) A Endosulfan I	4.30	5.18	764.5E6	140.8E6	19.664	21.023
13) B 4,4'-DDE	4.23	5.34	702.3E6	141.2E6	19.093	21.137
14) MA Dieldrin	4.59	5.57	794.8E6	150.4E6	19.700	21.490
15) MA Endrin	4.89	6.02	731.0E6	133.7E6	19.311	20.934
16) A 4,4'-DDD	5.00	6.22	620.4E6	111.8E6	21.383	21.764
17) B Endosulfan II	5.19	6.35	735.8E6	133.7E6	21.388	21.331
18) MA 4,4'-DDT	5.39	6.72	537.3E6	96432892	19.090	20.120
19) B Endrin Aldehyde	5.79	6.88	577.5E6	103.4E6	19.903	20.235
20) B Endosulfan Sulfa	6.44	7.34	586.8E6	107.1E6	20.456	21.108
21) A Methoxychlor	6.15	7.88	265.0E6	55189332	19.074	20.337
23) B Endrin Ketone	6.87	8.22	740.9E6	132.0E6	19.568	20.760

(f)=RT Delta &gt; 1/2 Window

1G58375.D 1PST2127.M Tue Nov 02 10:16:04 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58375.D\ECD1A.CH Vial: 20  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58375.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:17 pm Operator: owenm  
Sample : op46352-bs1 Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

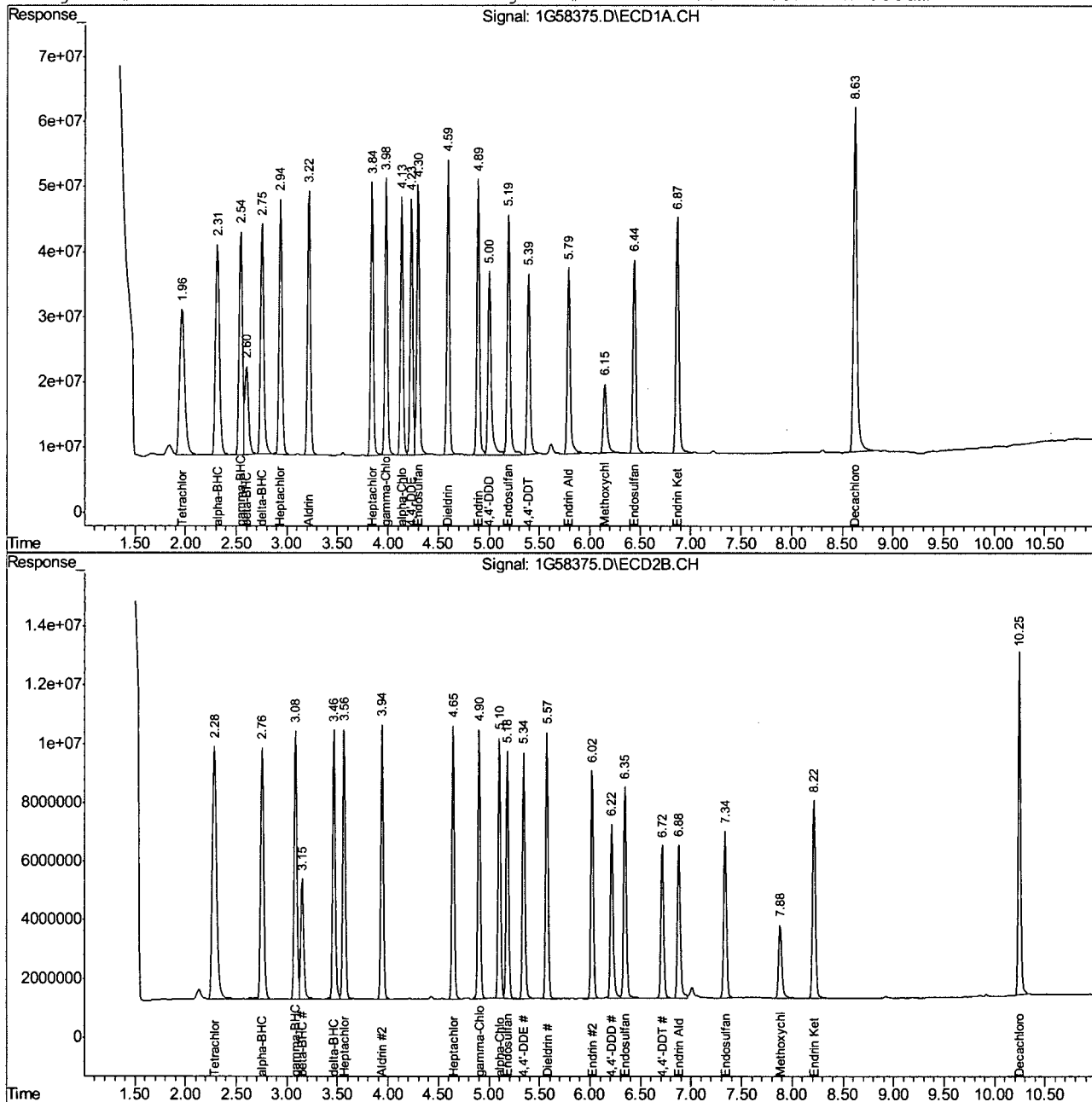
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58375.D 1PST2127.M

Tue Nov 02 10:16:05 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50313.D\ECD1A.CH Vial: 37  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50313.D\ECD2B.CH  
Acq On : 10-26-2010 08:55:56 PM Operator: toyar  
Sample : op46353-bs1 Inst : GC3G  
Misc : OP46353,g3gl851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 21:08:20 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	954.3E6	670.0E6	38.084	36.336
Spiked Amount 40.000			Recovery	=	95.21%	90.84%
50) S Decachlorobiphen	9.02	9.23	1029.3E6	615.3E6	43.551	45.024
Spiked Amount 40.000			Recovery	=	108.88%	112.56%
Target Compounds						
30) AR1016-A	2.66	2.61	100.1E6	61200966	207.322	203.008
31) AR1016-B	3.03	3.01	185.7E6	126.7E6	214.529	213.487
32) AR1016-C	3.56	3.52	404.8E6	237.0E6	202.011	192.645
33) AR1016-D	3.71	3.67	158.9E6	127.7E6	210.966	235.502
34) AR1016-E	4.18	4.19	172.0E6	77322604	224.463	209.513
35) AR1260-A	6.02	6.02	376.6E6	192.8E6	214.120	219.825
36) AR1260-B	6.38	6.45	400.8E6	259.0E6	214.647	217.366
37) AR1260-C	6.83	6.93	254.4E6	170.3E6	222.658	242.126
39) AR1260-E	7.60	7.73	417.2E6	218.2E6	223.212	203.923

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G50313.D PCB1826.M Wed Oct 27 09:41:35 2010 GC3G

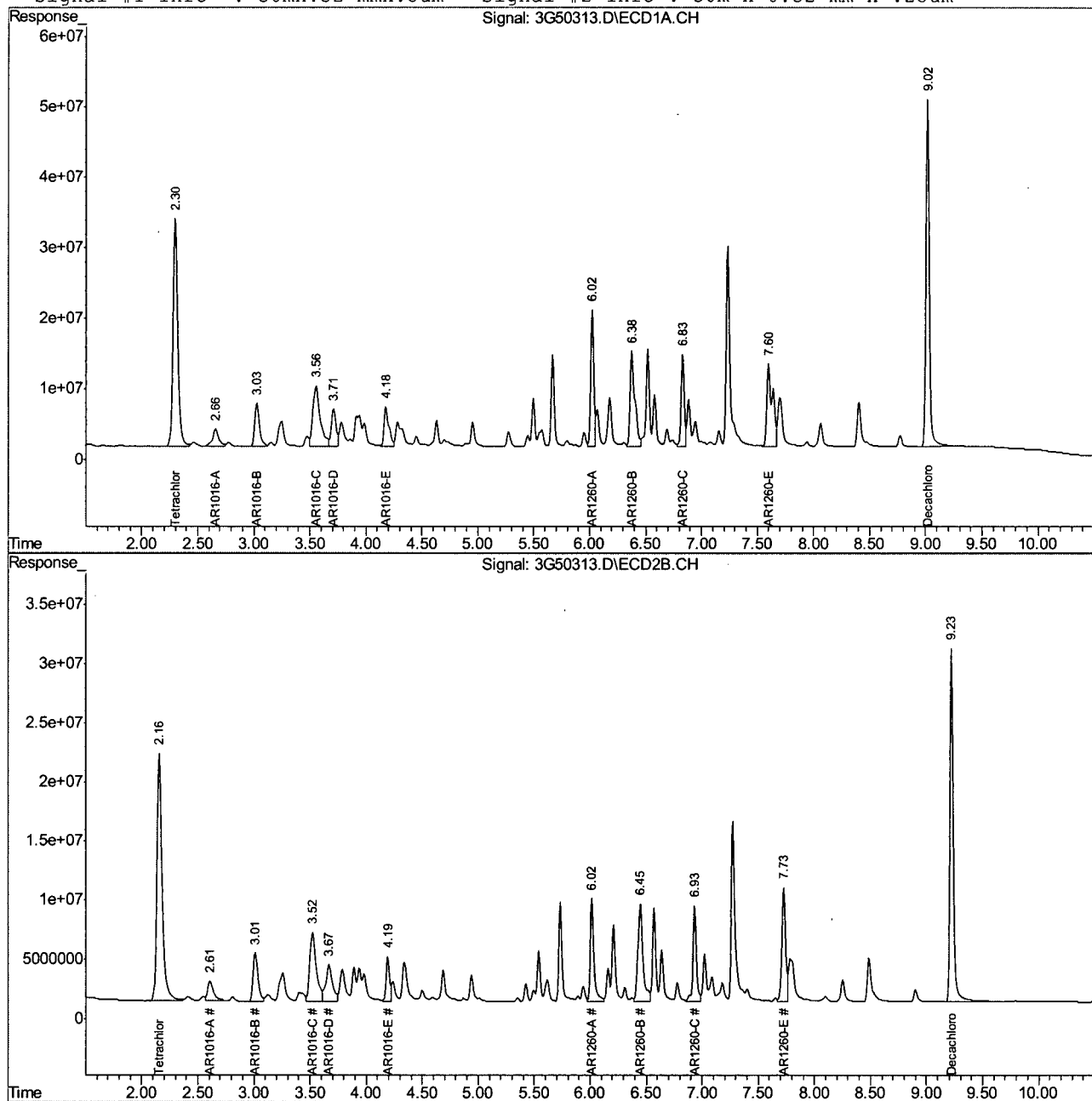


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50313.D\ECD1A.CH Vial: 37  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50313.D\ECD2B.CH  
Acq On : 10-26-2010 08:55:56 PM Operator: toyar  
Sample : op46353-bs1 Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100609.D\ECD1A.CH Vial: 8  
 Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100609.D\ECD2B.CH  
 Acq On : 3 Nov 2010 12:47 pm Operator: annaz  
 Sample : op46323-bs2 Inst : GCXX  
 Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 4 10:11 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Nov 02 16:58:43 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB3901.M

Volume Inj. : 1ul  
 Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2  
 Signal #1 Info : 30mx.32mmx.32um Signal #2 Info : 30m x .32mm x .25um

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----							
System Monitoring Compounds							
1) S	Tetrachloro-m-xy	2.20	2.87	704.7E6	231.3E6	35.841	35.692
	Spiked Amount	40.000		Recovery	=	89.60%	89.23%
51) S	Decachlorobiphen	9.63	11.60	989.0E6	340.9E6	39.199	41.252
	Spiked Amount	40.000		Recovery	=	98.00%	103.13%
Target Compounds							
41)	AR1016-A	2.55	3.47	82961411	23441574	217.637	197.560
42)	AR1016-B	2.92	4.01	150.2E6	49966946	211.658	212.346
43)	AR1016-C	3.45	4.65	300.6E6	104.0E6	195.450	199.806
44)	AR1016-D	3.61	4.98	121.5E6	23832011	205.798	193.054
45)	AR1016-E	4.11	5.51	131.0E6	33483751	209.929	211.447
46)	AR1260-A	6.57	8.26	327.7E6	117.8E6	209.848	202.936
47)	AR1260-B	6.74	8.41	198.3E6	72459518	224.777	218.635
48)	AR1260-C	7.10	8.85	211.2E6	68559446	219.120	212.682
49)	AR1260-D	7.56	9.25	515.8E6	165.2E6	204.580	213.097
50)	AR1260-E	7.98	9.80	187.9E6	110.9E6	212.507	211.993

10.3.4 10

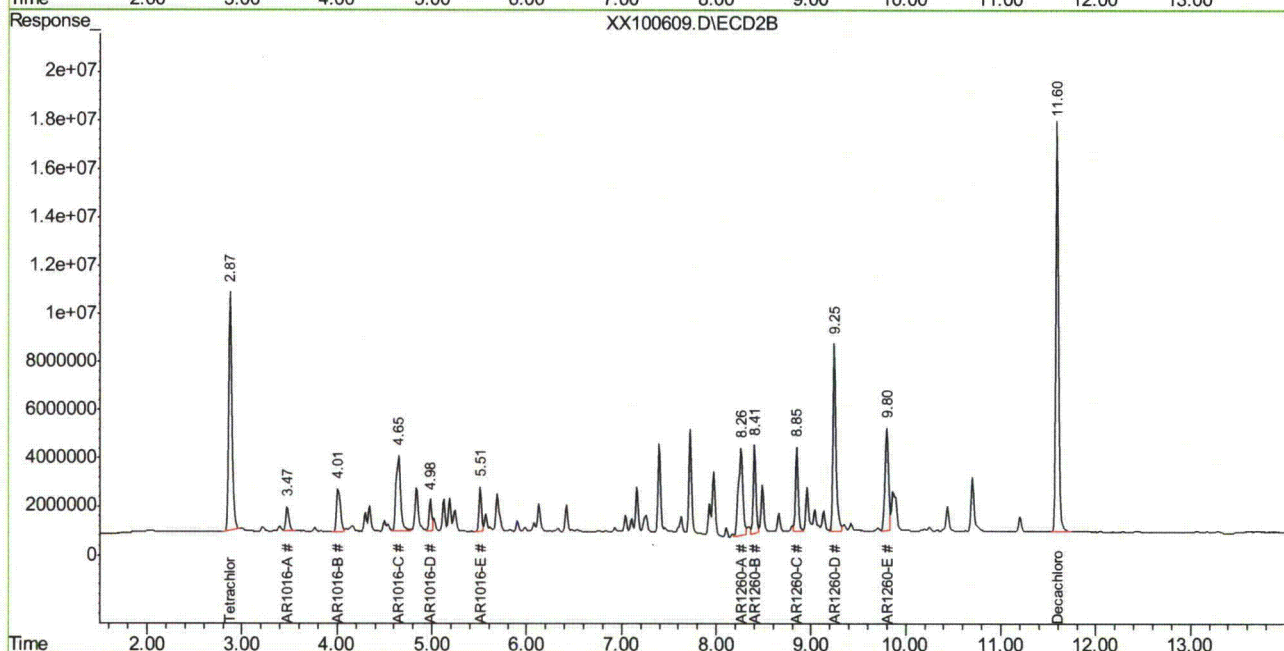
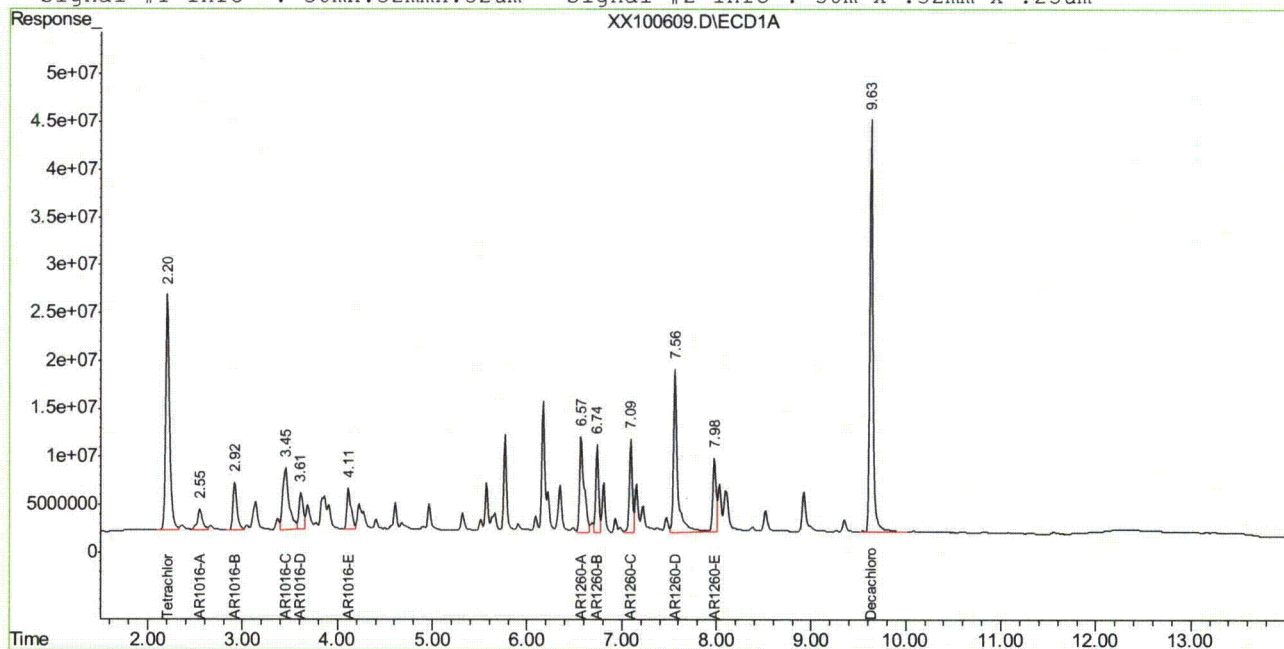
(f)=RT Delta > Window (P)=Amounts differ by> 40% RPD (m)=manual int.  
 XX100609.D PCB3901.M Thu Nov 04 10:12:10 2010 GCXX

## Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\GXX3909\XX100609.D\ECD1A.CH Vial: 8  
Signal #2 : C:\HPCHEM\1\DATA\GXX3909\XX100609.D\ECD2B.CH  
Acq On : 3 Nov 2010 12:47 pm Operator: annaz  
Sample : op46323-bs2 Inst : GCXX  
Misc : OP46323,GXX3909,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 4 10:11 2010 Quant Results File: PCB3901.RES

Quant Method : C:\HPCHEM\1\METHODS\PCB3901.M (Chemstation Integrator)  
Title :  
Last Update : Tue Nov 02 16:58:43 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB3901.M

Volume Inj. : 1ul  
Signal #1 Phase : STX-CLP1 Signal #2 Phase: STX-CLP2  
Signal #1 Info : 30mx.32mmx.32um Signal #2 Info: 30m x .32mm x .25um



XX100609.D PCB3901.M

Thu Nov 04 10:12:11 2010

GCXX

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68395.D\ECD1A.CH Vial: 27  
 Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68395.D\ECD2B.CH  
 Acq On : 11-3-10 09:07:37 PM Operator: annaz  
 Sample : op46323-bs2 Inst : GCOA  
 Misc : OP46323,GOA2391,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Nov 04 08:49:24 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
 Title : PCB  
 Last Update : Wed Nov 03 09:31:37 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
 Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
 Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.45	2.43	811.9E6	302.4E6	41.699	41.950
Spiked Amount 40.000			Recovery	=	104.25%	104.88%
52) S Decachlorobiphen	13.18	13.04	757.9E6	496.2E6	43.913	43.447
Spiked Amount 40.000			Recovery	=	109.78%	108.62%
Target Compounds						
32) AR1016-A	3.49	3.69	181.1E6	47410460	275.361	246.986
33) AR1016-B	4.21	4.43	330.9E6	116.5E6	254.796	243.837
34) AR1016-C	4.35	4.65	147.2E6	54530452	266.134	250.172
35) AR1016-D	5.11	5.45	111.5E6	51030125	269.275	249.767
36) AR1016-E	5.34	5.63	141.7E6	53965455	266.535	239.354
37) AR1260-A	8.04	8.24	312.8E6	164.8E6	252.553	236.246
38) AR1260-B	8.88	9.03	191.5E6	151.8E6	264.653	241.066
39) AR1260-C	9.36	9.64	201.6E6	123.7E6	267.011	249.582
40) AR1260-D	9.98	10.25	451.6E6	374.8E6	256.716	238.164
41) AR1260-E	10.54	10.95	241.9E6	242.0E6	262.935	236.868

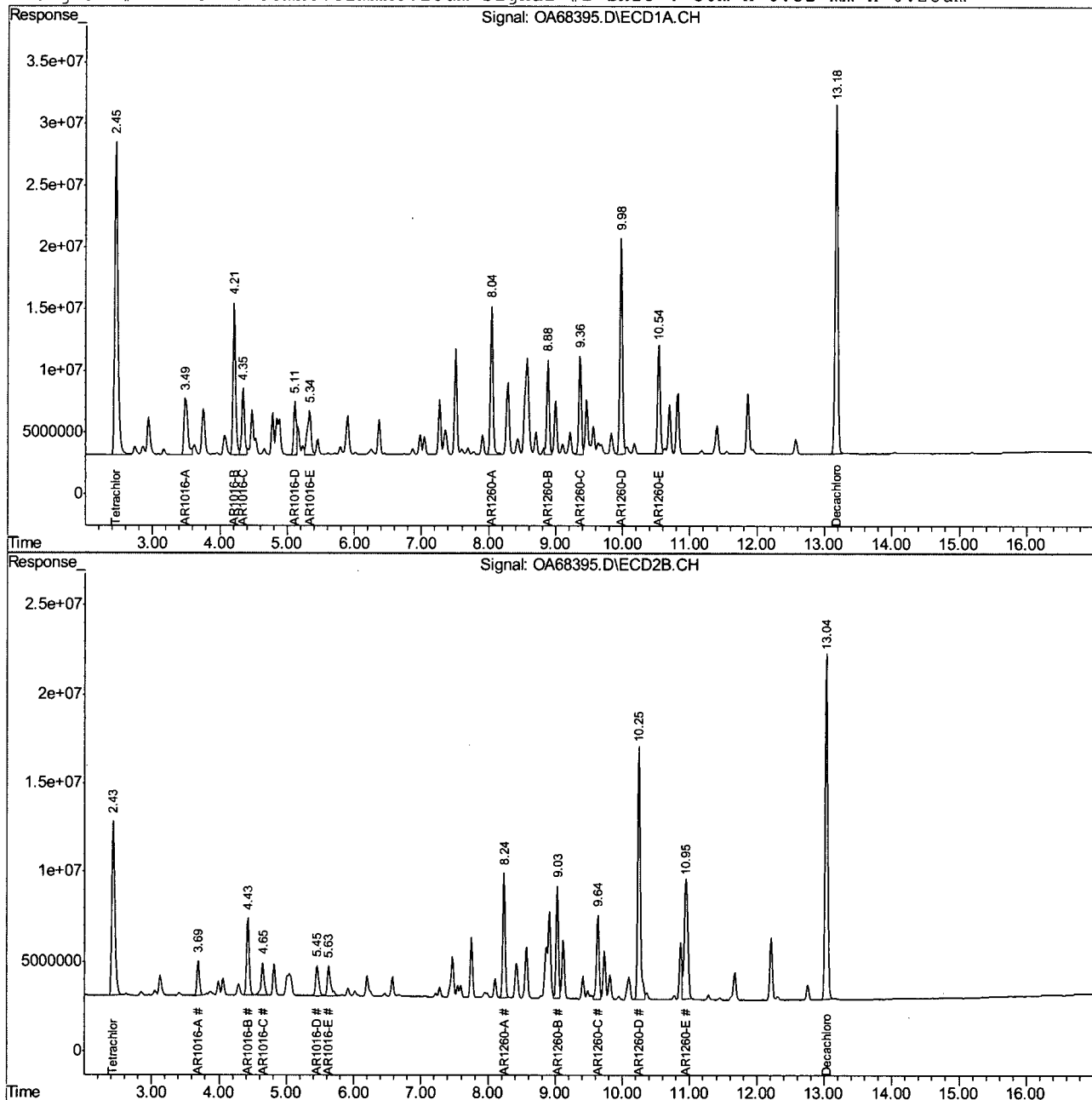
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 OA68395.D PCB2389.M Thu Nov 04 08:50:00 2010 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\2391\OA68395.D\ECD1A.CH Vial: 27  
Signal #2 : C:\MSDCHEM\1\DATA\2391\OA68395.D\ECD2B.CH  
Acq On : 11-3-10 09:07:37 PM Operator: annaz  
Sample : op46323-bs2 Inst : GCOA  
Misc : OP46323,GOA2391,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Nov 4 8:49 2010 Quant Results File: PCB2389.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB2389.M (Chemstation Integrator)  
Title : PCB  
Last Update : Wed Nov 03 09:31:37 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB2389.M

Volume Inj. : 1ul  
Signal #1 Phase : ZB-5ms Signal #2 Phase: ZB-1701P  
Signal #1 Info : 30mx0.32mmx0.25um Signal #2 Info : 30m x 0.32 mm x 0.25um



OA68395.D PCB2389.M

Thu Nov 04 08:50:02 2010

RPT1

Page 2

10.3.5 10

Cheng-Hwan Ao  
11/03/10 16:02

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
 Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
 Sample : OP46195-MS Inst : GCWW  
 Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Oct 25 11:54 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
 Title : HERB  
 Last Update : Mon Oct 25 11:50:04 2010  
 Response via : Initial Calibration  
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S	2,4-DCAA	15.13	14.63	1174.3E6	370.7E6	534.017	394.445 #
Spiked Amount		500.000		Recovery		=	106.80% 78.89%

## Target Compounds

1)	Dalapon	6.08	5.16	673.1E6	1279.3E6	194.061m	783.158 #
3)	Dicamba	15.39	14.87	628.2E6	240.8E6	55.952m	55.112m
4)	MCPFP	15.69	15.07	60310158	74976347	11734.776m	24591.395 #
5)	MCPA	15.93	15.43	55381942	32814437	5676.610m	6890.925m
6)	Dichloroprop	16.47	15.91	661.6E6	260.4E6	204.364	194.236
7)	2,4-D	16.84	16.37	668.2E6	291.5E6	214.576	206.269m
8)	Pentachloropheno	17.13	16.83	1250.3E6	435.5E6	27.525	25.414m
9)	2,4,5-TP	17.93	17.40	909.1E6	349.8E6	50.893	49.447
10)	2,4,5-T	18.33	17.91	650.1E6	221.9E6	42.554	37.009
11)	2,4-DB	19.00	18.53	437.3E6	93868297	282.659	129.155 #
12)	Dinoseb	20.25	18.87	4578.3E6	1075.0E6	267.865	218.037
13)	Picloram	20.17	20.05	1144.6E6	1013.4E6	69.612	122.824 #

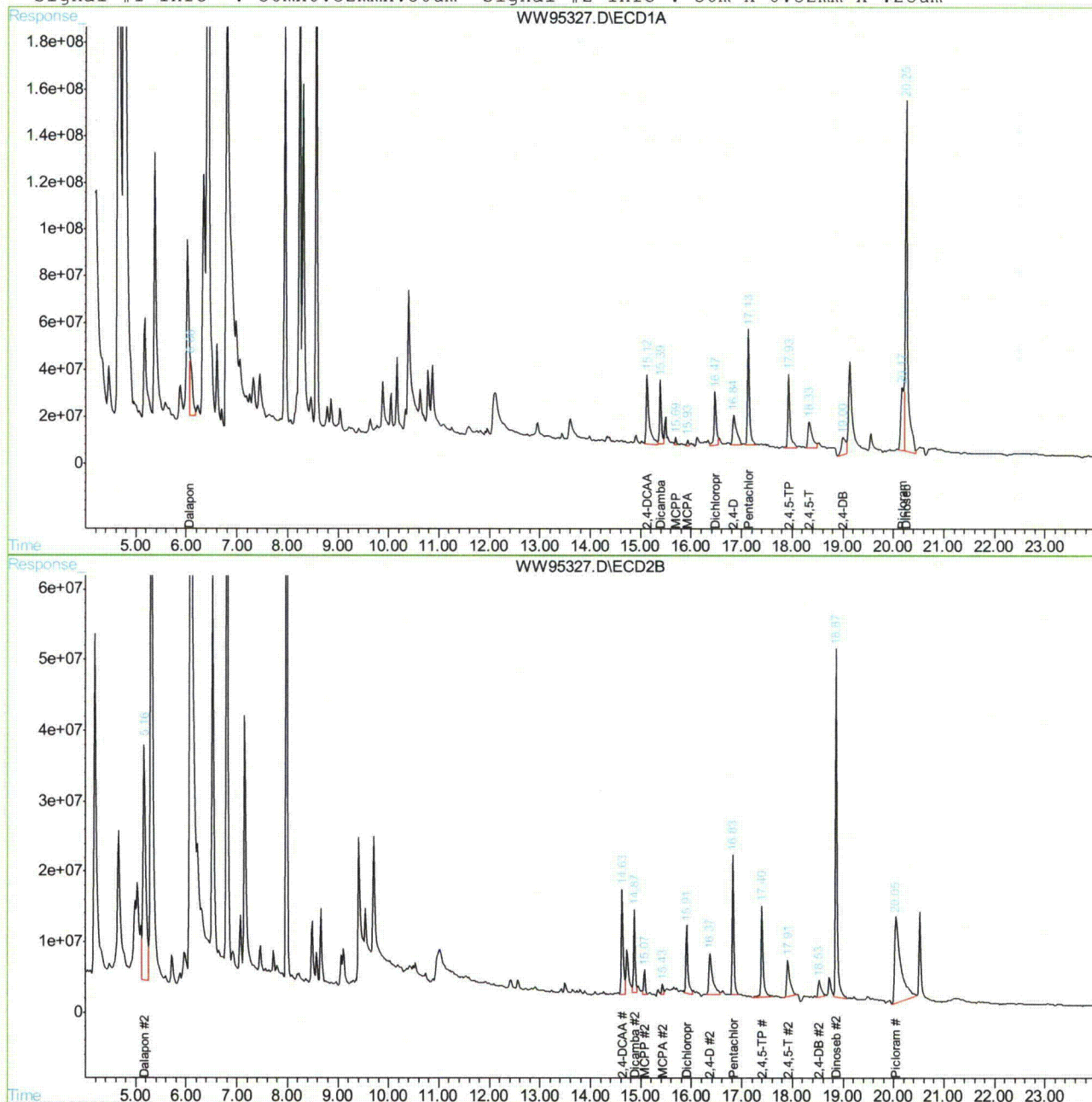
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 WW95327.D HWW3143.M Mon Oct 25 11:55:36 2010 GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:54 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95327.D HWW3143.M Mon Oct 25 11:55:36 2010 GCCD

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** OP46195-MS  
**Lab FileID:** WW95327.D  
**Injection Time:** 10/21/10 23:30

**Method:** SW846 8151  
**Analyst approved:** 11/03/10 15:09 Toya Dagena Raffington  
**Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

Parameter	CAS	Sig#	R. T. (min.)	Reason
Dalapon	75-99-0	1	6.08	Poorly defined baseline
Dicamba	1918-00-9	2	14.87	Poorly defined baseline
Dicamba	1918-00-9	1	15.39	Poorly defined baseline
MCPA	94-74-6	2	15.43	Poorly defined baseline
MCPD	93-65-2	1	15.69	Poorly defined baseline
MCPA	94-74-6	1	15.93	Poorly defined baseline
2,4-D	94-75-7	2	16.37	Poorly defined baseline
Pentachlorophenol	87-86-5	2	16.83	Poorly defined baseline

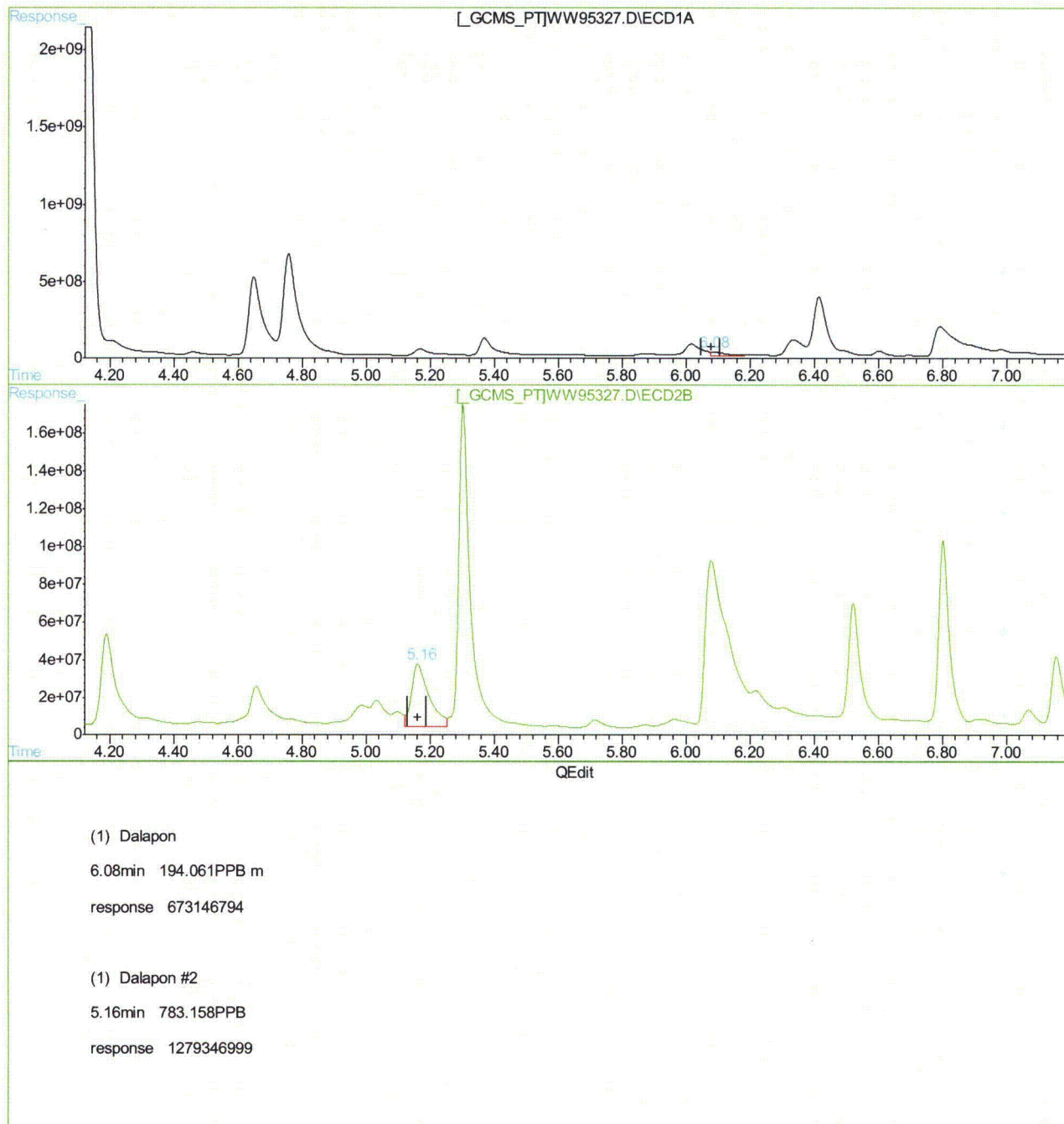
10.4.1.1  
10



## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration

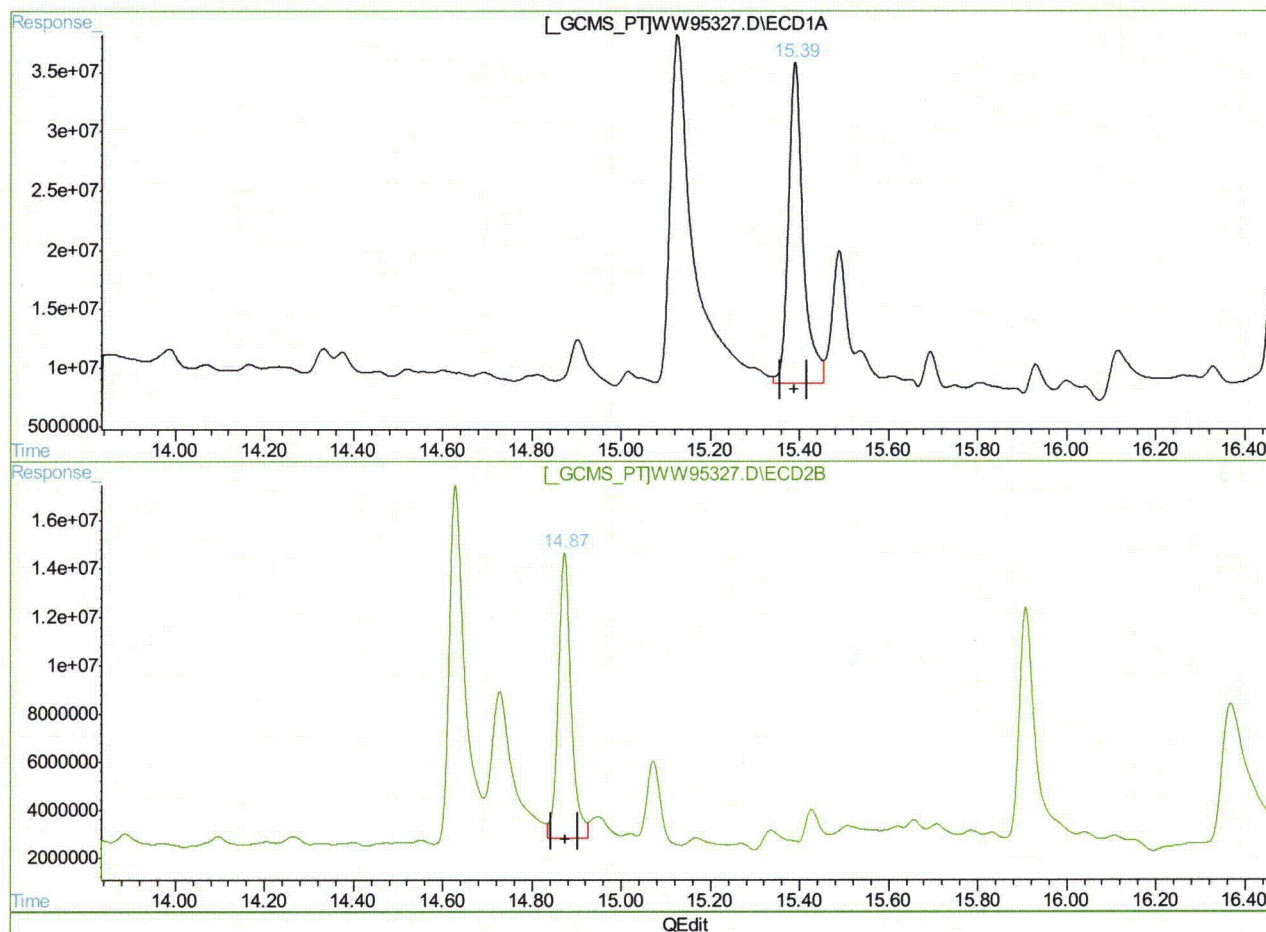


(+) = Expected Retention Time  
WW95327.D HWW3143.M Mon Oct 25 11:54:54 2010 GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(3) Dicamba  
15.39min 55.952PPB m  
response 628166905

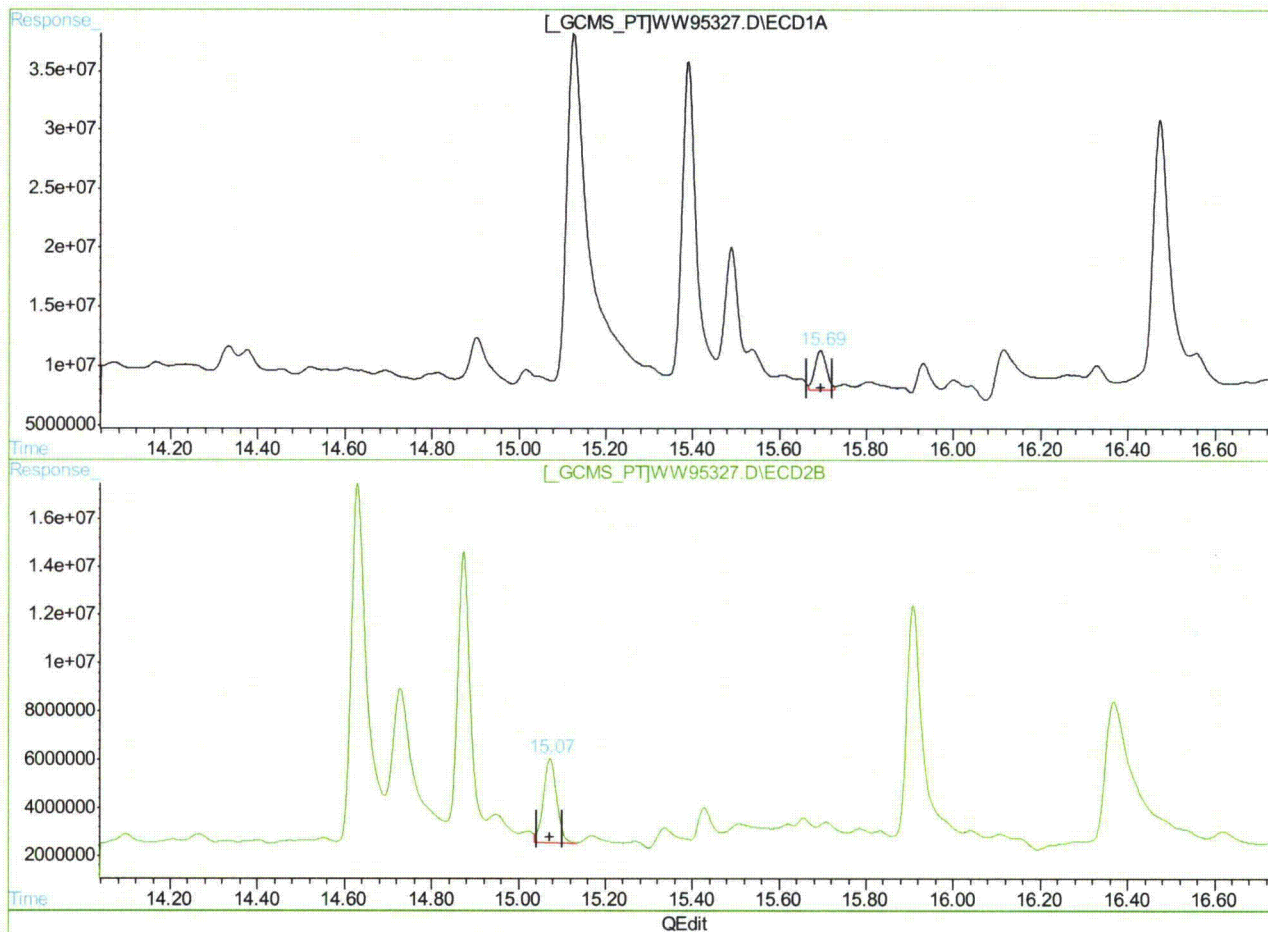
(3) Dicamba #2  
14.87min 55.112PPB m  
response 240817159

(+) = Expected Retention Time  
WW95327.D HWW3143.M Mon Oct 25 11:55:02 2010 GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(4) MCPP

15.69min 11734.776PPB m

response 60310158

(4) MCPP #2

15.07min 24591.395PPB

response 74976347

(+) = Expected Retention Time

WW95327.D HWW3143.M Mon Oct 25 11:55:07 2010

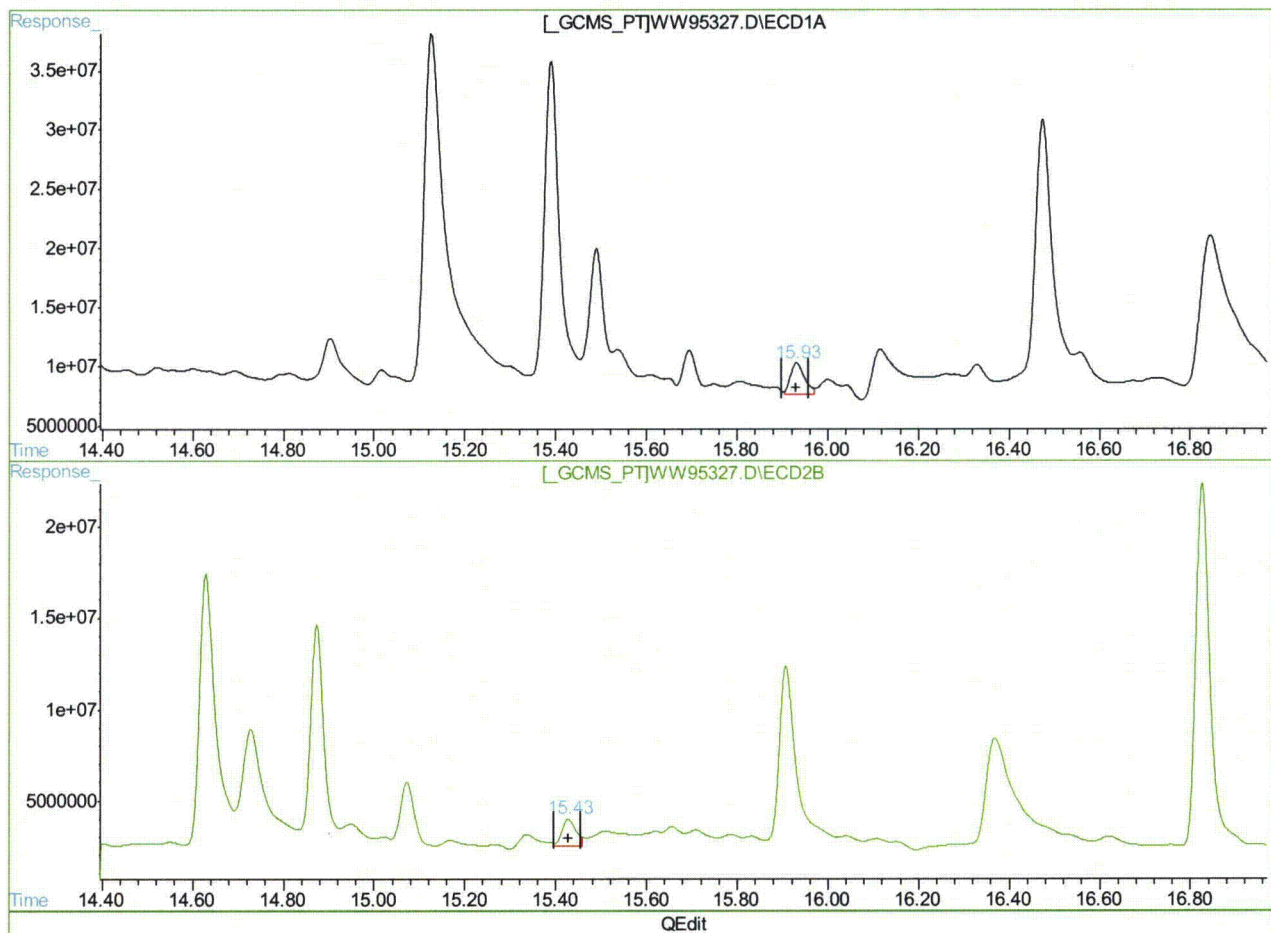
GCCD



## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(5) MCPA

15.93min 5676.610PPB m

response 55381942

(5) MCPA #2

15.43min 6890.925PPB m

response 32814437

(+) = Expected Retention Time

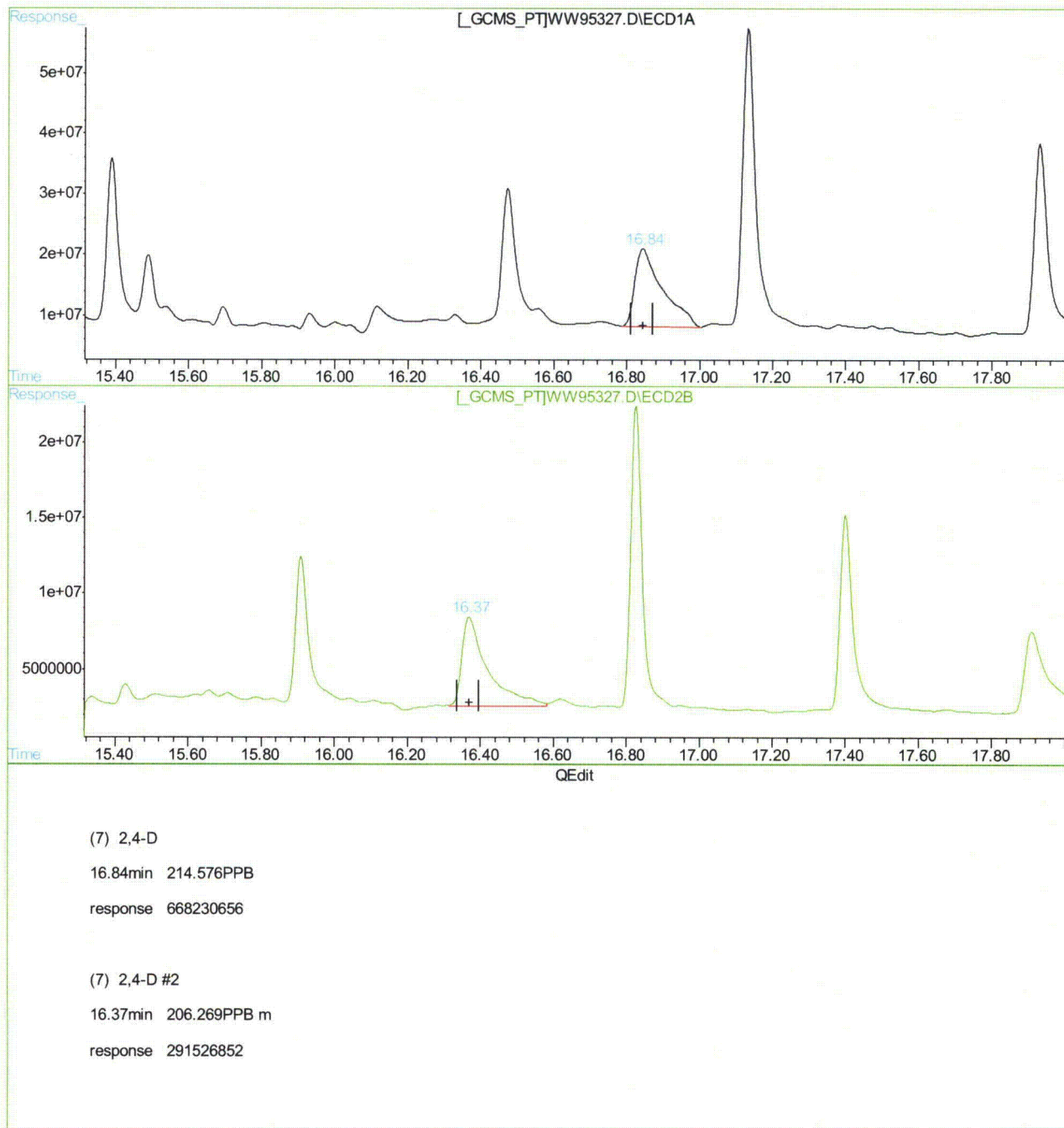
WW95327.D HWW3143.M Mon Oct 25 11:55:10 2010

GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration

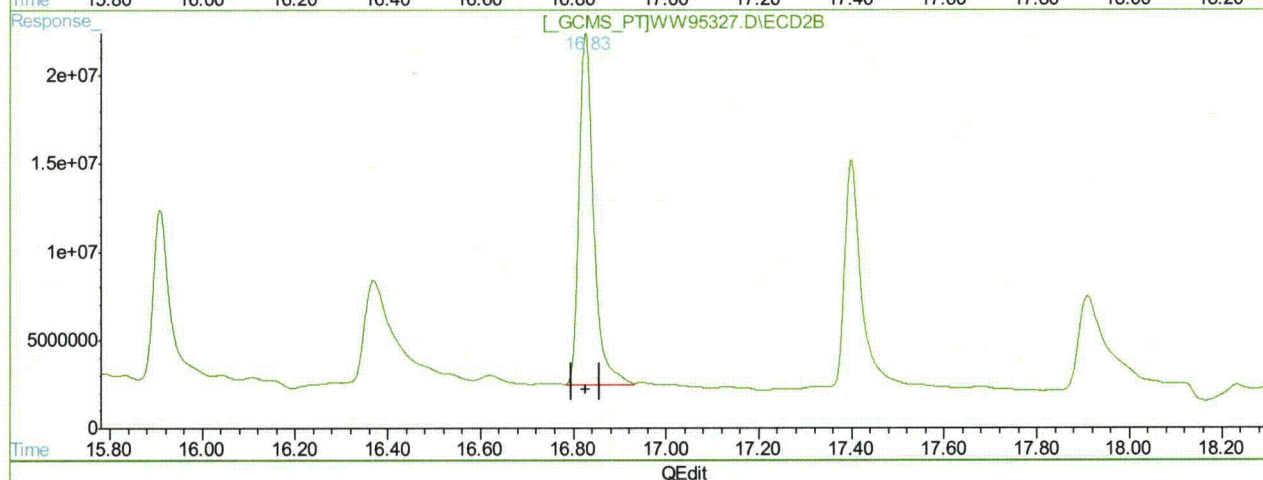
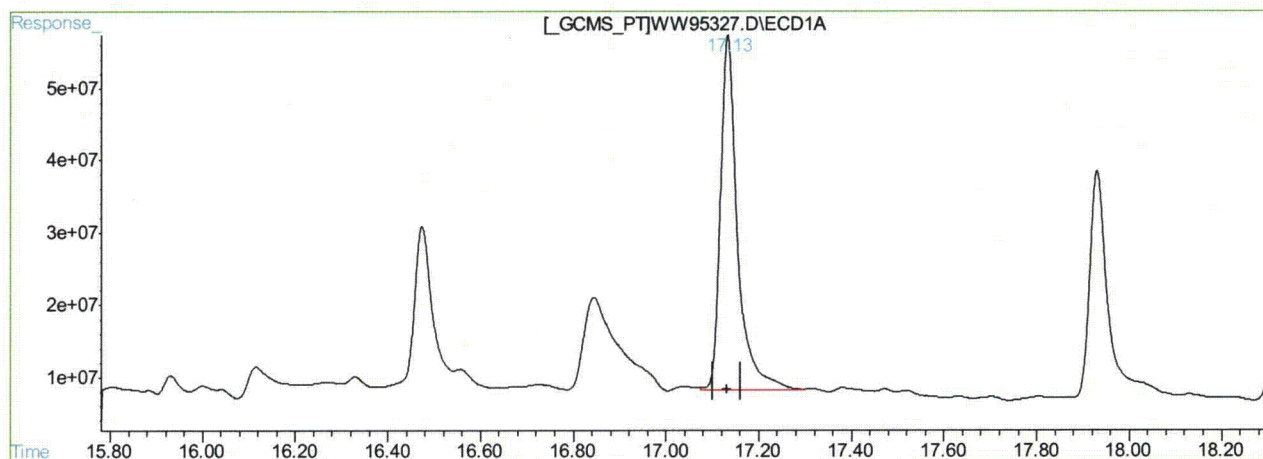


(+) = Expected Retention Time  
WW95327.D HWW3143.M Mon Oct 25 11:55:16 2010 GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD1A.CH Vial: 25  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95327.D\ECD2B.CH  
Acq On : 21 Oct 2010 11:30 pm Operator: toyar  
Sample : OP46195-MS Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:52 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(8) Pentachlorophenol

17.13min 27.525PPB

response 1250342274

(8) Pentachlorophenol #2

16.83min 25.414PPB m

response 435491579

(+) = Expected Retention Time

WW95327.D HWW3143.M

Mon Oct 25 11:55:20 2010

GCCD

## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
 Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
 Acq On : 21 Oct 2010 12:07 am Operator: toyar  
 Sample : OP46195-MSD Inst : GCWW  
 Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Oct 25 11:58 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
 Title : HERB  
 Last Update : Mon Oct 25 11:50:04 2010  
 Response via : Initial Calibration  
 DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
 Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

2) S 2,4-DCAA	15.12	14.63	1191.3E6	354.5E6	541.737m	377.178 #
Spiked Amount	500.000		Recovery	=	108.35%	75.44%

## Target Compounds

1) Dalapon	6.09	5.16	393.8E6	361.8E6	113.529	221.496 #
3) Dicamba	15.39	14.87	604.7E6	281.7E6	53.865m	64.459
4) MCPP	15.69	15.07	70560272	81560096	13729.180m	26750.791m#
5) MCPA	15.93	15.43	48836367	21454281	5005.693m	4505.329
6) Dichloroprop	16.47	15.91	756.8E6	228.1E6	233.770	170.138 #
7) 2,4-D	16.84	16.37	742.6E6	269.6E6	238.442	190.771m
8) Pentachloropheno	17.13	16.83	1264.4E6	428.1E6	27.835	24.985m
9) 2,4,5-TP	17.93	17.40	821.6E6	374.7E6	45.994	52.966
10) 2,4,5-T	18.33	17.91	613.2E6	200.5E6	40.142	33.431
11) 2,4-DB	19.00	18.53	511.4E6	87179749	330.570	119.952 #
12) Dinoseb	20.25	18.87	4232.3E6	1069.8E6	247.619	216.972
13) Picloram	20.18	20.06	713.5E6	680.0E6	43.397	82.417 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 WW95328.D HWW3143.M Mon Oct 25 16:11:54 2010 GCCD

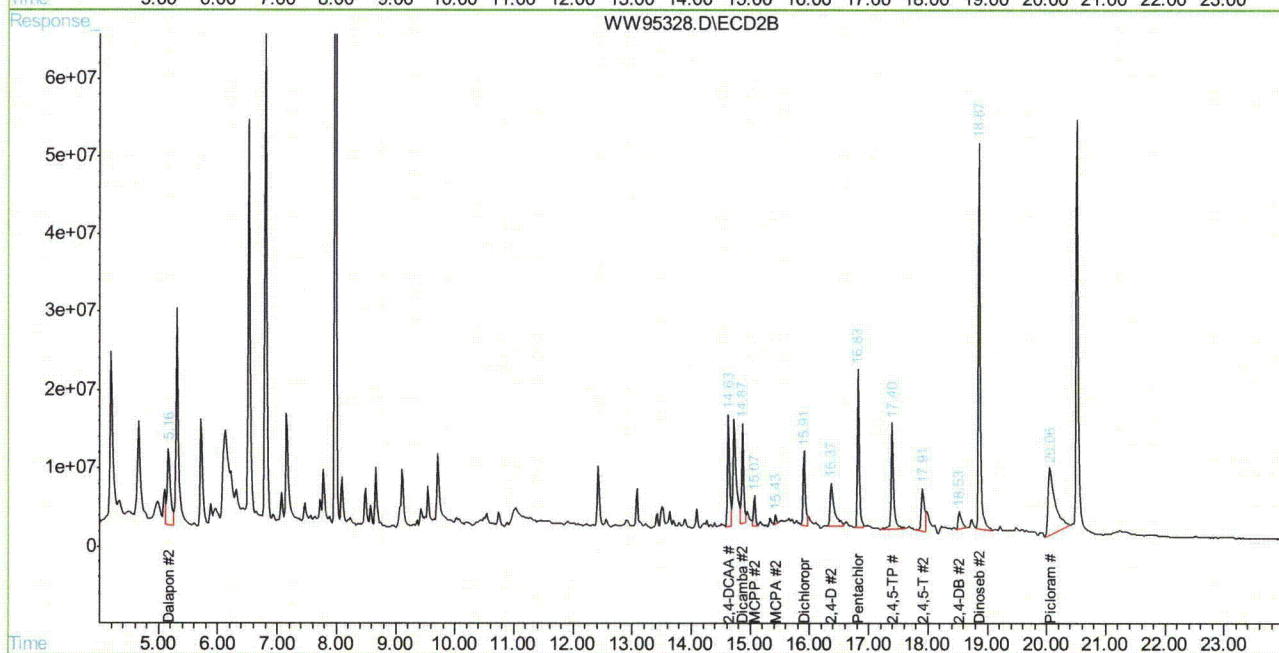
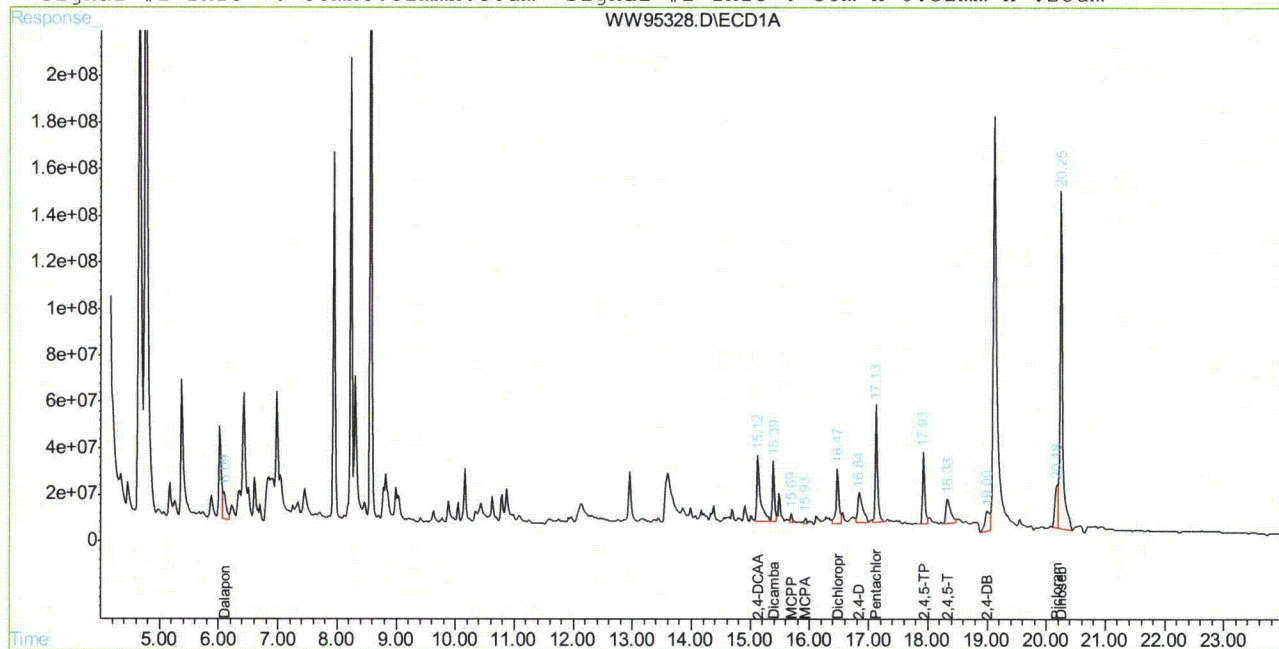


## Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:58 2010 Quant Results File: HWW3143.RES

Quant Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : HWW3143.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLPI Signal #2 Phase: RTXCLPII  
Signal #1 Info : 30mx0.32mmx.50um Signal #2 Info : 30m x 0.32mm x .25um



WW95328.D HWW3143.M

Mon Oct 25 16:11:54 2010

GCCD

Page 2



## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** OP46195-MSD

**Method:** SW846 8151

**Lab FileID:** WW95328.D

**Analyst approved:** 11/03/10 15:09 Toya Dagenia Raffington

**Injection Time:** 10/22/10 00:07

**Supervisor approved:** 11/03/10 16:02 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
MCPP	93-65-2	2	15.07	Poorly defined baseline
2,4-DCAA	19719-28-9	1	15.12	Poorly defined baseline
Dicamba	1918-00-9	1	15.39	Poorly defined baseline
MCPP	93-65-2	1	15.69	Poorly defined baseline
MCPA	94-74-6	1	15.93	Poorly defined baseline
2,4-D	94-75-7	2	16.37	Poorly defined baseline
Pentachlorophenol	87-86-5	2	16.83	Poorly defined baseline

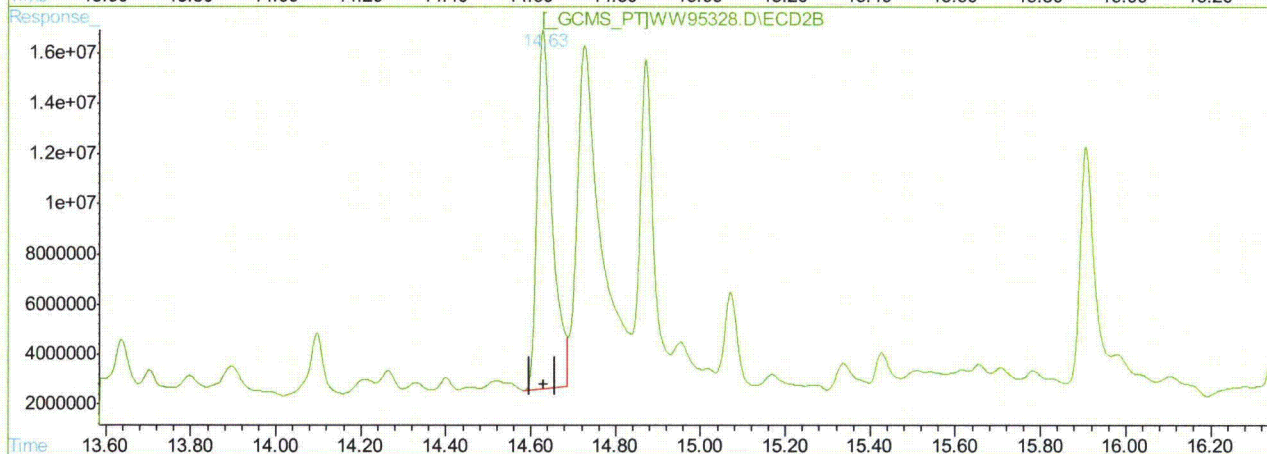
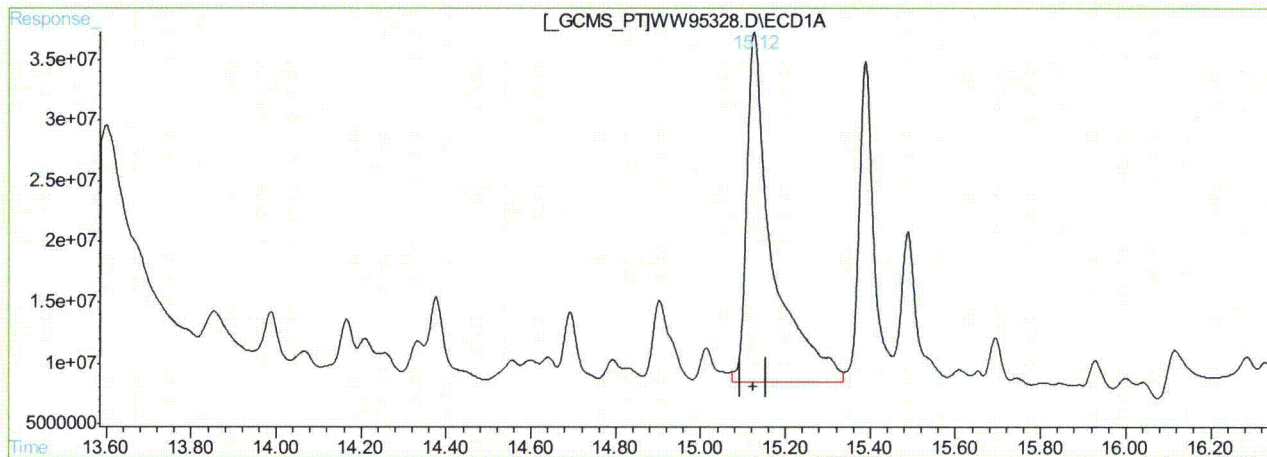
10.4.2.1

10

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



QEdit

(2) 2,4-DCAA (S)

15.12min 541.737PPB m

response 1191285711

(2) 2,4-DCAA #2 (S)

14.63min 377.178PPB

response 354518853

(+) = Expected Retention Time

WW95328.D HWW3143.M

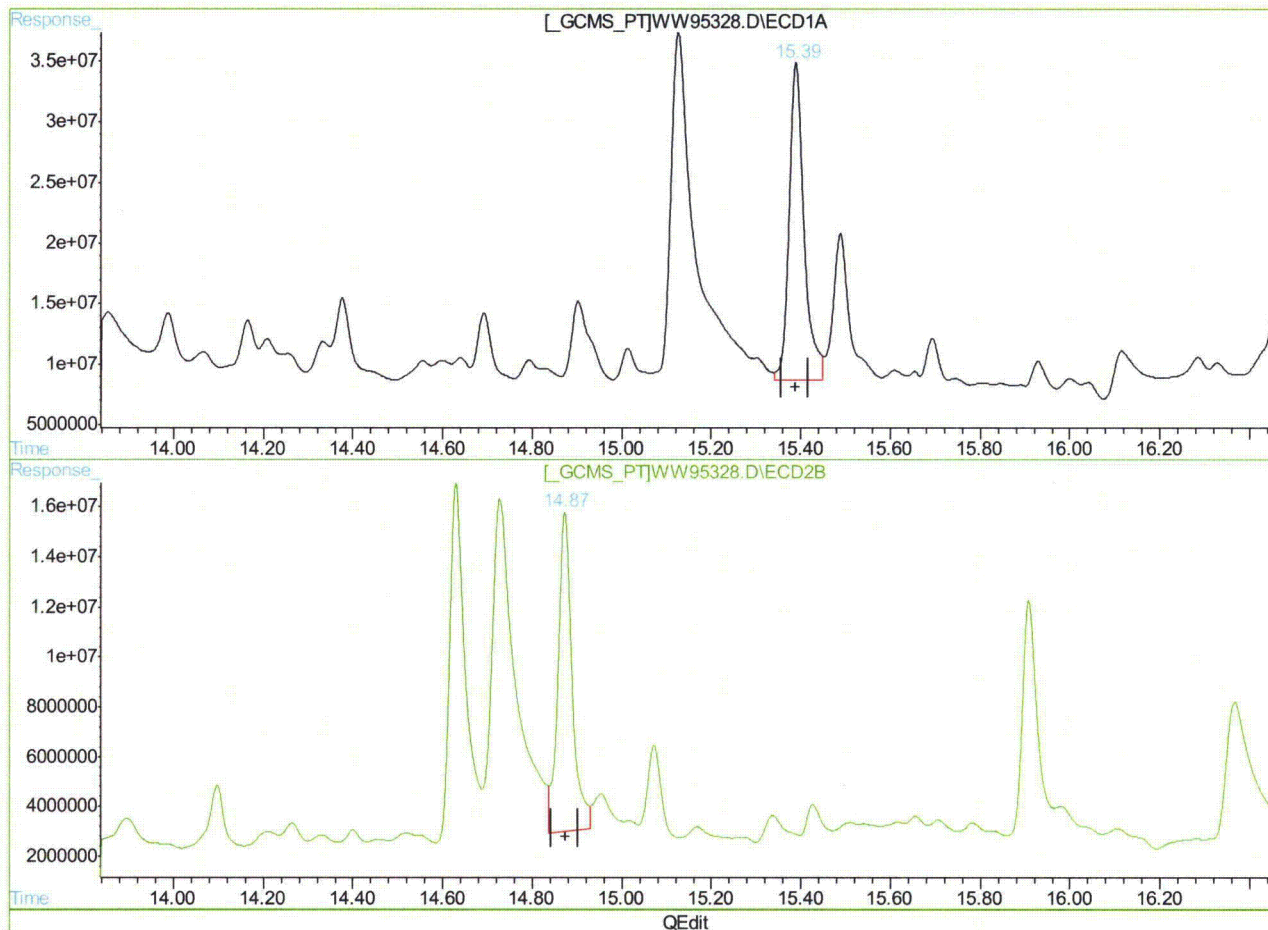
Mon Oct 25 11:57:56 2010

GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(3) Dicamba

15.39min 53.865PPB m

response 604742823

(3) Dicamba #2

14.87min 64.459PPB

response 281661001

(+) = Expected Retention Time

WW95328.D HWW3143.M

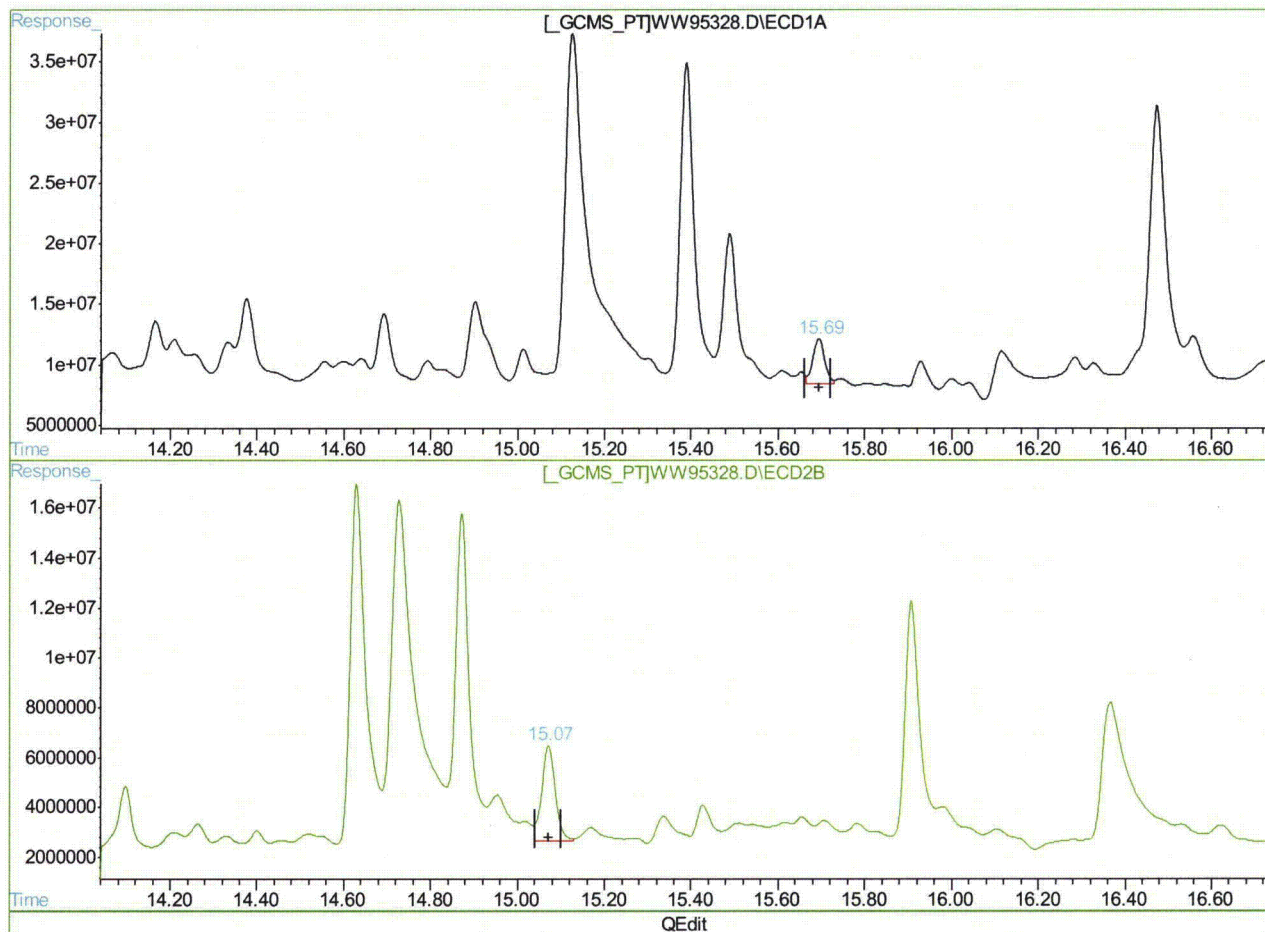
Mon Oct 25 11:58:01 2010

GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



## (4) MCPP

15.69min 13729.180PPB m

response 70560272

## (4) MCPP #2

15.07min 26750.791PPB m

response 81560096

(+) = Expected Retention Time

WW95328.D HWW3143.M

Mon Oct 25 11:58:05 2010

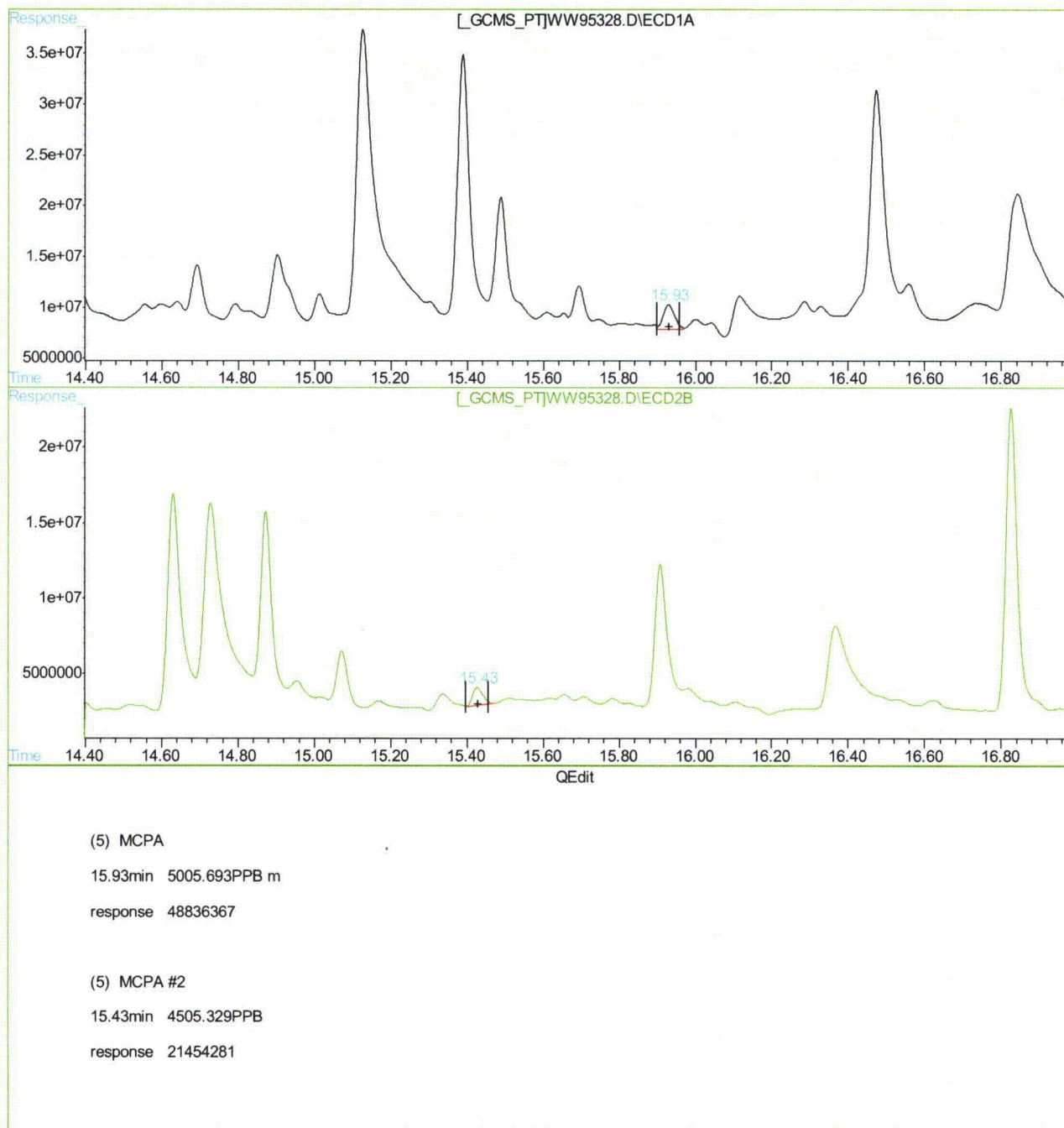
GCCD



## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration

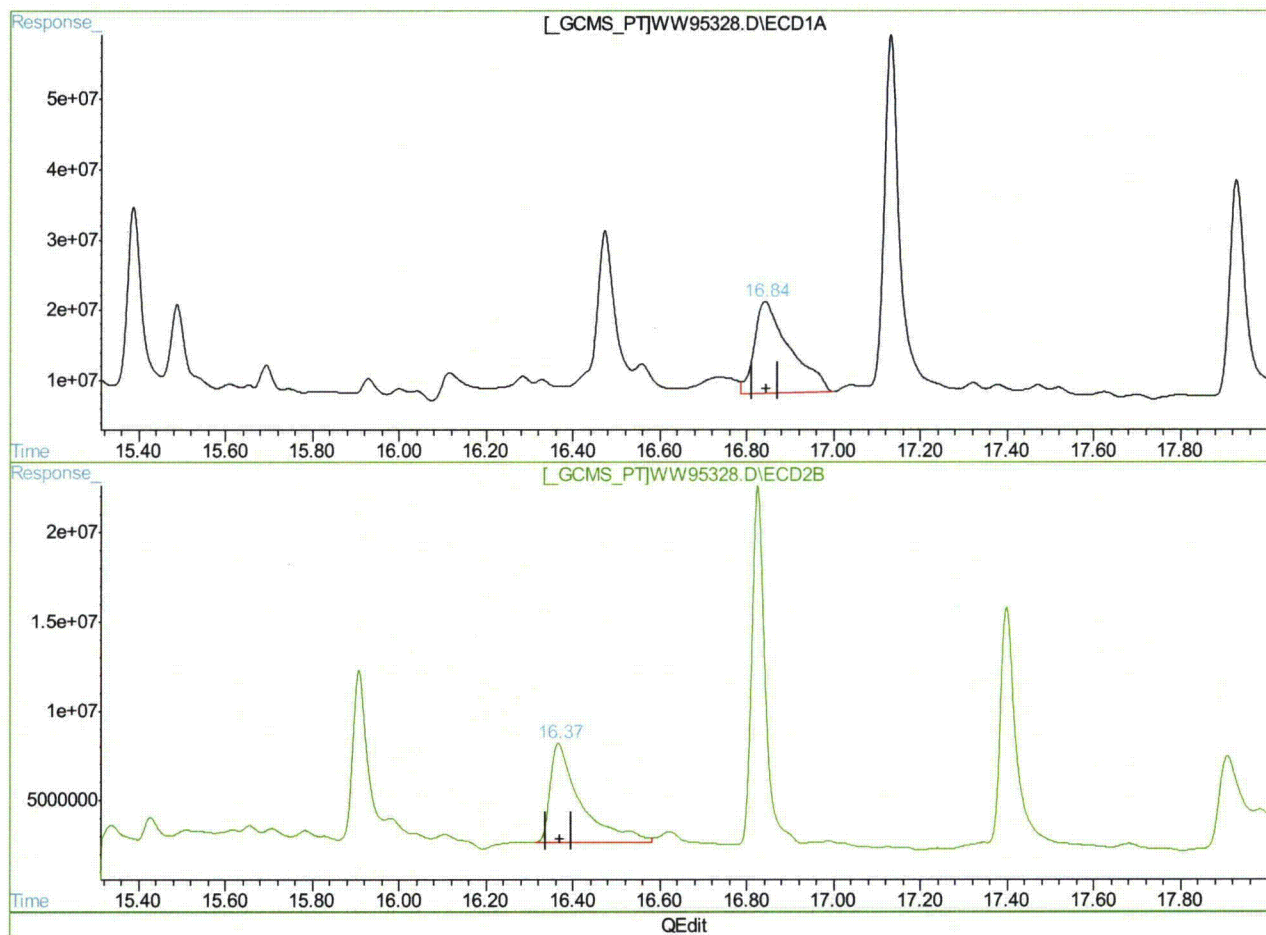


(+) = Expected Retention Time  
WW95328.D HWW3143.M Mon Oct 25 11:58:09 2010 GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(7) 2,4-D

16.84min 238.442PPB

response 742552067

(7) 2,4-D #2

16.37min 190.771PPB m

response 269622810

(+) = Expected Retention Time

WW95328.D HWW3143.M

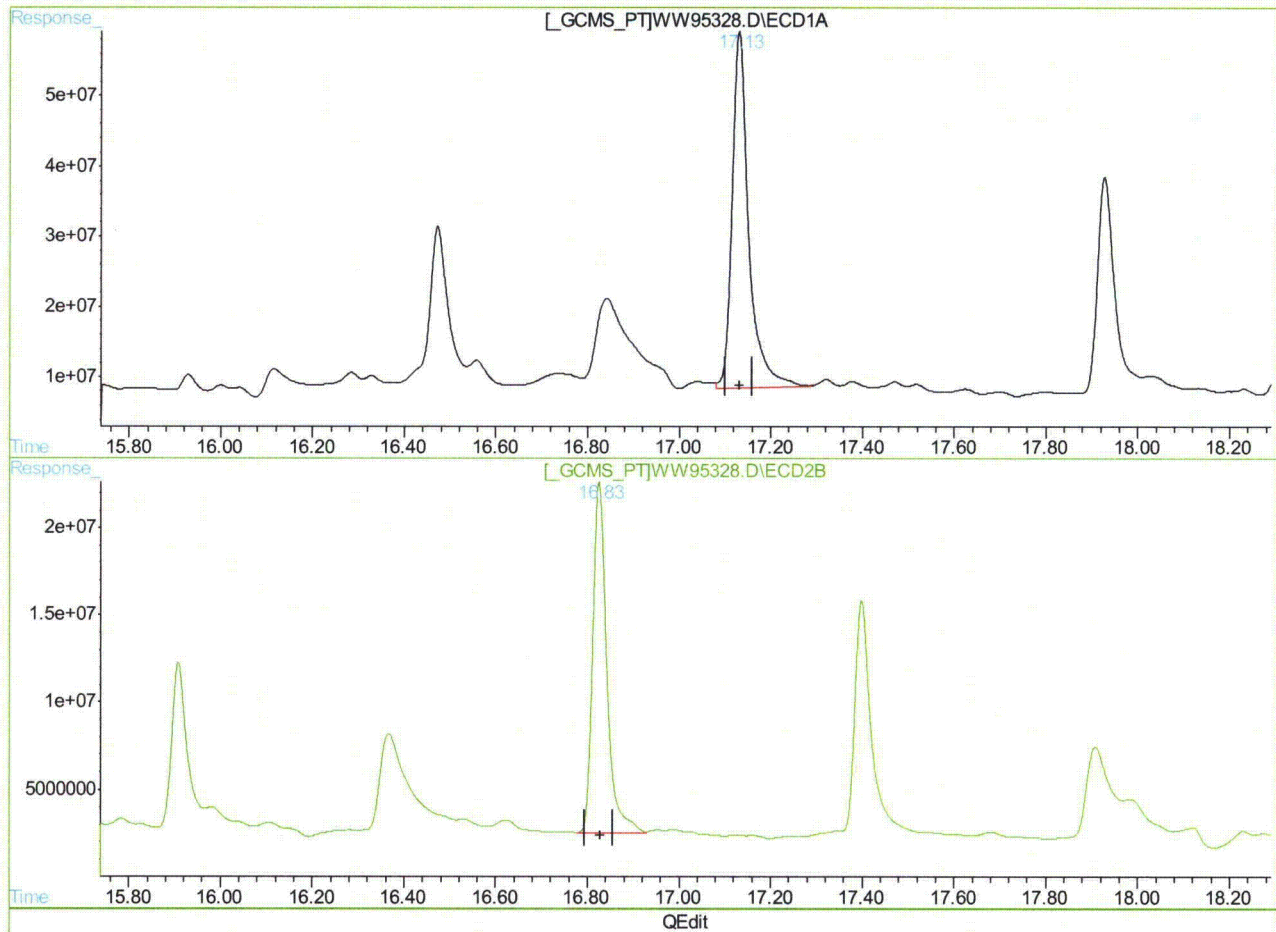
Mon Oct 25 11:58:16 2010

GCCD

## Quantitation Report (Qedit)

Signal #1 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD1A.CH Vial: 26  
Signal #2 : C:\HPCHEM\1\DATA\GWW3334\WW95328.D\ECD2B.CH  
Acq On : 21 Oct 2010 12:07 am Operator: toyar  
Sample : OP46195-MSD Inst : GCWW  
Misc : OP46195,Gww3334,35.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Oct 25 11:56 2010 Quant Results File: HWW3143.RES

Method : C:\HPCHEM\1\METHODS\HWW3143.M (Chemstation Integrator)  
Title : HERB  
Last Update : Mon Oct 25 11:50:04 2010  
Response via : Multiple Level Calibration



(8) Pentachlorophenol

17.13min 27.835PPB

response 1264411626

(8) Pentachlorophenol #2

16.83min 24.985PPB m

response 428145654

(+) = Expected Retention Time

WW95328.D HWW3143.M Mon Oct 25 11:58:31 2010

GCCD

Owen McKenna  
11/03/10 14:12

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD1A.CH Vial: 21  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD2B.CH  
 Acq On : 01 Nov 2010 10:32 pm Operator: owenm  
 Sample : op46352-ms Inst : GC1G  
 Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.29	539.7E6	169.1E6	25.087	25.611
Spiked Amount	40.000	Range	30 - 150	Recovery	= 62.72%	64.03%
34) SA Decachlorobiphen	8.62	10.25	1114.2E6	159.4E6	33.420	33.495
Spiked Amount	40.000	Range	30 - 150	Recovery	= 83.55%	83.74%
Target Compounds						
3) A alpha-BHC	2.31	2.76	745.4E6	122.0E6	16.217	13.283
4) MA gamma-BHC	2.54	3.09	568.2E6	118.7E6	13.738	14.023
5) MA Heptachlor	2.94	3.57	589.1E6	111.9E6	13.799	13.661
6) B beta-BHC	2.60	3.15	269.7E6	60990272	15.320	15.545
7) B delta-BHC	2.75	3.47	583.3E6	114.3E6	15.046	15.197
8) MB Aldrin	3.22	3.94	564.3E6	109.9E6	13.819	14.010
9) B Heptachlor Epoxi	3.84	4.65	588.1E6	112.6E6	15.216	15.391
10) B gamma-Chlordane	3.98	4.90	575.5E6	122.2E6	15.061	16.236
11) B alpha-Chlordane	4.14	5.10	531.6E6	117.1E6	14.273	16.434
12) A Endosulfan I	4.30	5.18	596.1E6	107.3E6	15.333	16.021
13) B 4,4'-DDE	4.23	5.35	587.0E6	115.2E6	15.958	17.242
14) MA Dieldrin	4.60	5.58	635.5E6	118.1E6	15.752	16.875
15) MA Endrin	4.89	6.02	600.0E6	107.4E6	15.850	16.828
16) A 4,4'-DDD	5.00	6.22	516.0E6	94809153	17.783	18.464
17) B Endosulfan II	5.20	6.35	552.0E6	102.1E6	16.045m	16.283
18) MA 4,4'-DDT	5.39	6.72	501.5E6	90528018	17.819m	18.888
19) B Endrin Aldehyde	5.79	6.88	202.7E6	34909653	6.985	6.829
20) B Endosulfan Sulfa	6.44	7.34	231.5E6	43743792	8.070	8.620
21) A Methoxychlor	6.15	7.88	255.9E6	49927548	18.419	18.398
23) B Endrin Ketone	6.87	8.22	462.3E6	76854752	12.209	12.083

(f)=RT Delta &gt; 1/2 Window

1G58376.D 1PST2127.M

Tue Nov 02 10:16:43 2010

(m)=manual int.

RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD1A.CH Vial: 21  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:32 pm Operator: owenm  
Sample : op46352-ms Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

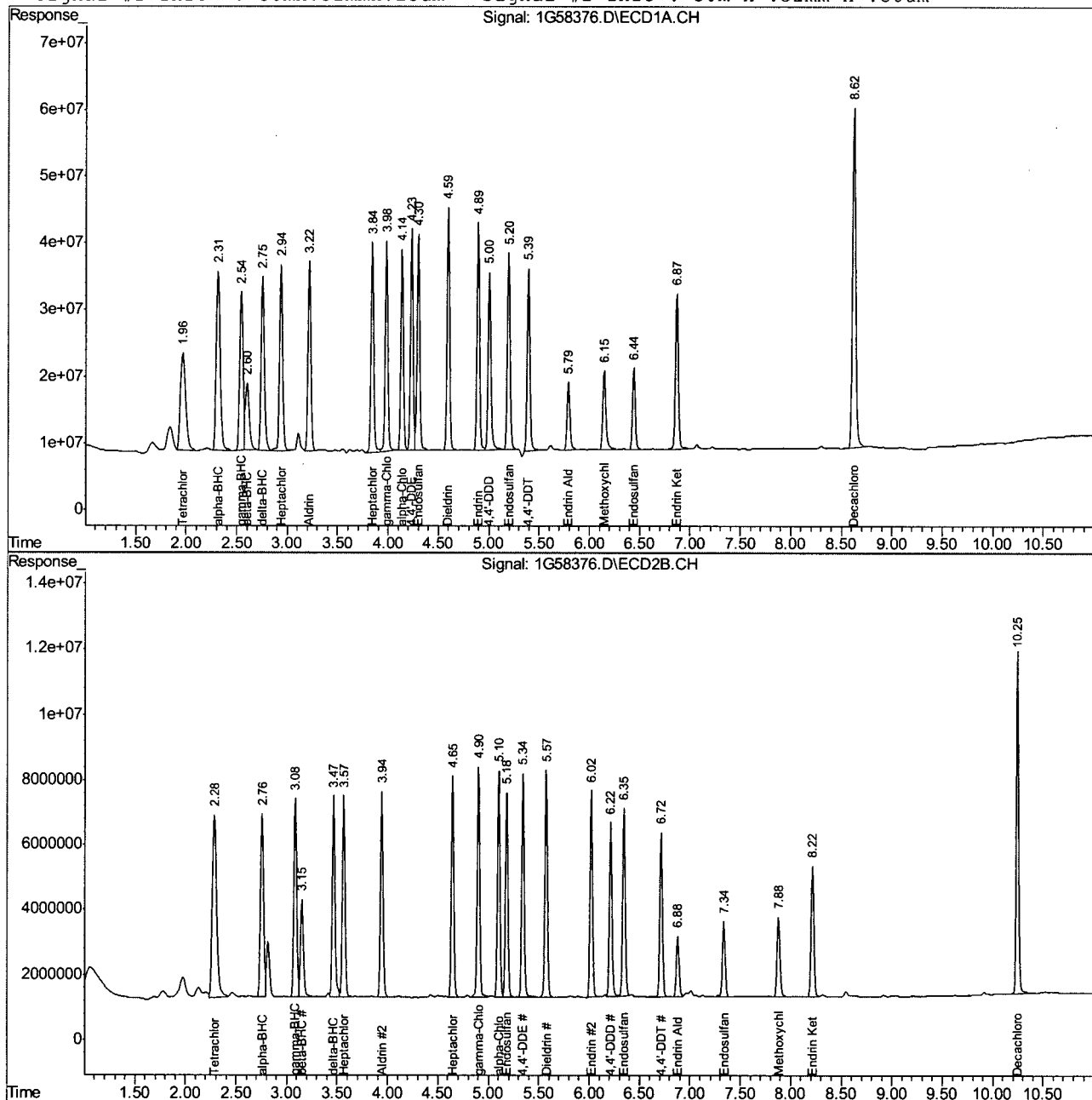
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58376.D 1PST2127.M

Tue Nov 02 10:16:44 2010

RPT1

Page 2

10.4.3 10

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** OP46352-MS      **Method:** SW846 8081A  
**Lab FileID:** 1G58376.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/01/10 22:32      **Supervisor approved:** 11/03/10 14:12 Owen McKenna

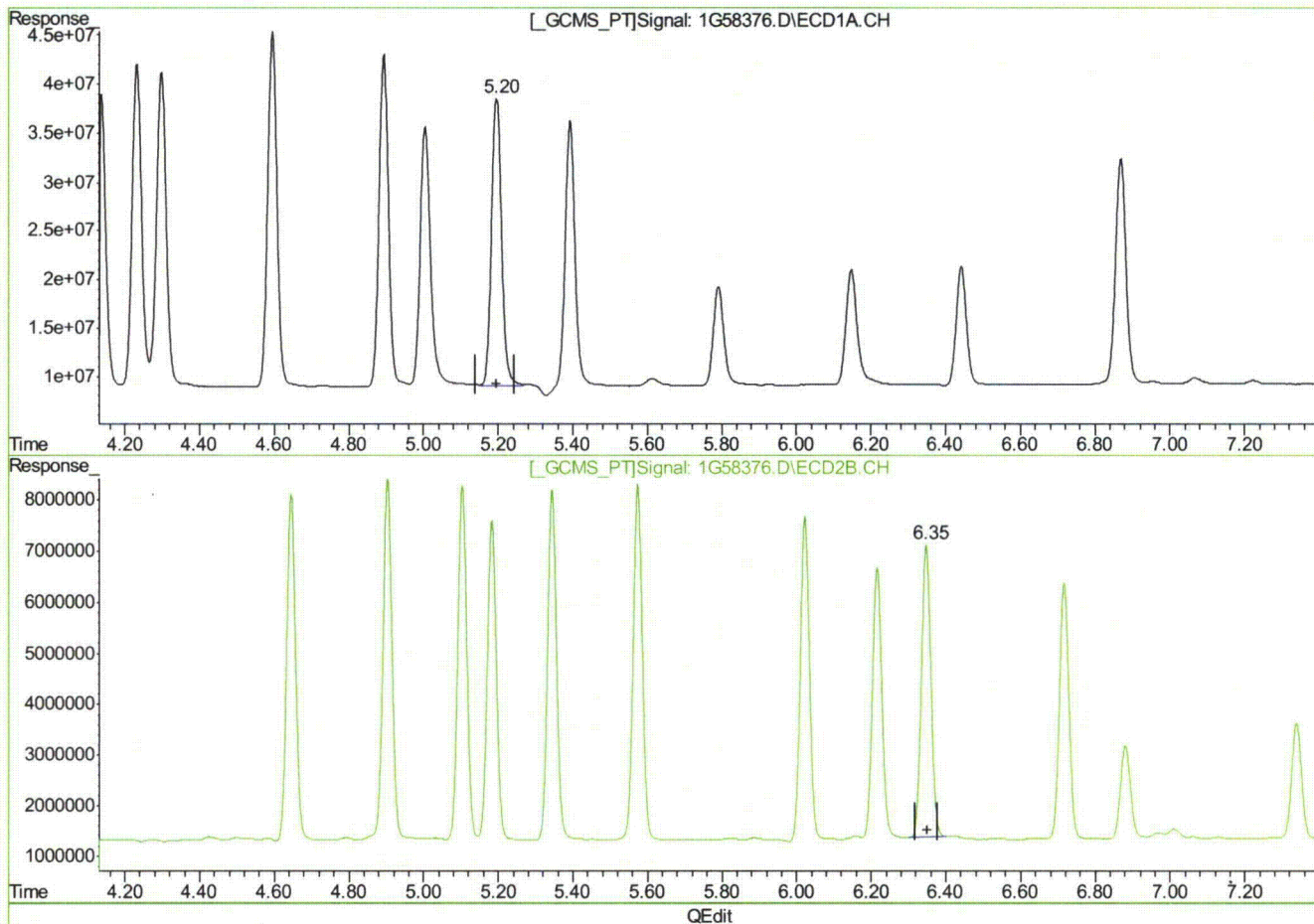
Parameter	CAS	Sig#	R. T. (min.)	Reason
Endosulfan-II	33213-65-9	1	5.20	Baseline ripple
4,4' -DDT	50-29-3	1	5.39	Baseline ripple

10.4.3.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD1A.CH Vial: 21  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:32 pm Operator: owenm  
Sample : op46352-ms Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(17) Endosulfan II (B)  
5.20min 16.045PPB m  
response 552000341

(17) Endosulfan II #2 (B)  
6.35min 16.283PPB  
response 102051106

(+) = Expected Retention Time

1G58376.D 1PST2127.M

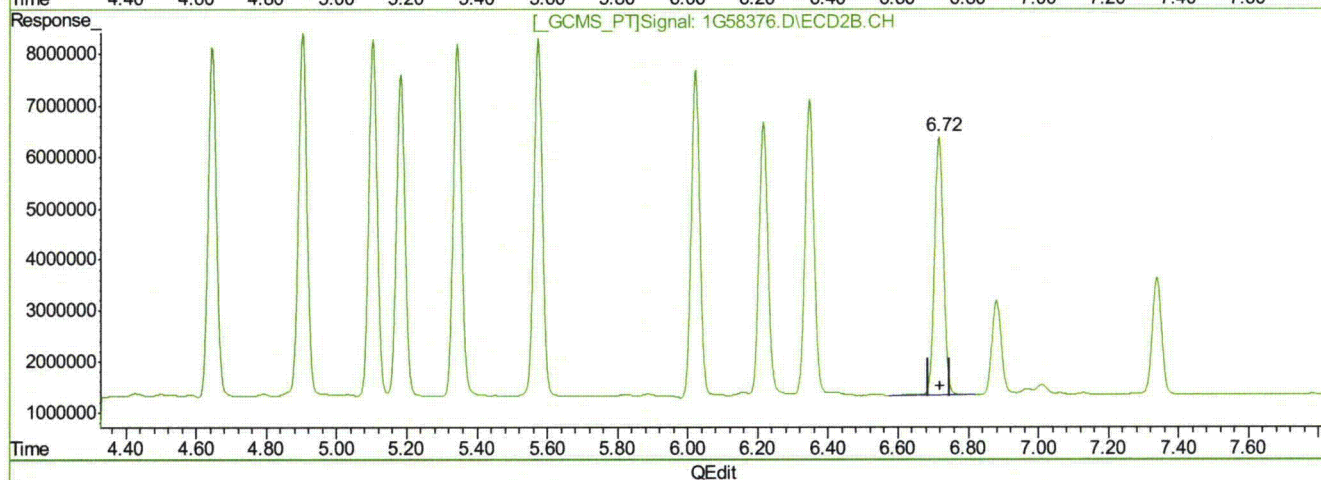
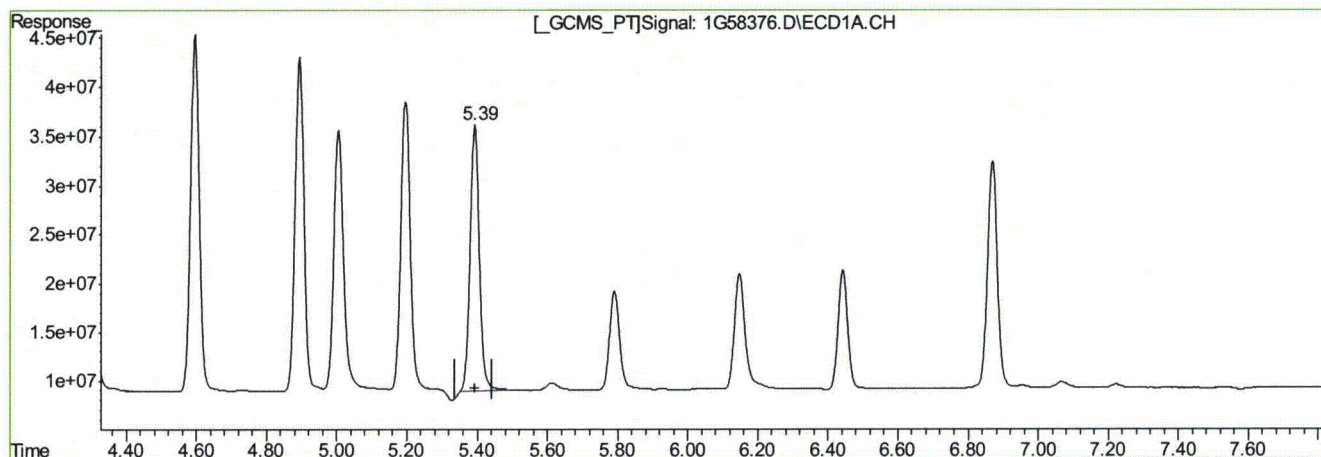
Tue Nov 02 10:16:27 2010

RPT1

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD1A.CH Vial: 21  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58376.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:32 pm Operator: owenm  
Sample : op46352-ms Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(18) 4,4'-DDT (MA)  
5.39min 17.819PPB m  
response 501519334

(18) 4,4'-DDT #2 (MA)  
6.72min 18.888PPB  
response 90528018

(+) = Expected Retention Time  
1G58376.D 1PST2127.M Tue Nov 02 10:16:33 2010 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:47 pm Operator: owenm  
Sample : op46352-msd Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	545.1E6	167.0E6	25.335	25.297
Spiked Amount	40.000	Range	30 - 150	Recovery	=	63.34% 63.24%
34) SA Decachlorobiphen	8.62	10.25	1132.7E6	158.6E6	33.975m	33.343
Spiked Amount	40.000	Range	30 - 150	Recovery	=	84.94% 83.36%
Target Compounds						
3) A alpha-BHC	2.31	2.75	736.8E6	122.1E6	16.030	13.294
4) MA gamma-BHC	2.54	3.08	566.6E6	118.3E6	13.700	13.976
5) MA Heptachlor	2.94	3.56	582.2E6	111.3E6	13.637	13.590
6) B beta-BHC	2.60	3.15	272.2E6	61367973	15.463	15.642
7) B delta-BHC	2.75	3.46	574.8E6	112.2E6	14.829	14.918
8) MB Aldrin	3.22	3.94	555.9E6	107.6E6	13.613	13.725
9) B Heptachlor Epoxi	3.84	4.65	587.1E6	112.9E6	15.191	15.430
10) B gamma-Chlordane	3.98	4.90	612.6E6	123.0E6	16.031	16.343
11) B alpha-Chlordane	4.14	5.10	516.0E6	117.7E6	13.855	16.510
12) A Endosulfan I	4.30	5.18	599.6E6	107.9E6	15.423	16.105
13) B 4,4'-DDE	4.23	5.35	600.1E6	117.2E6	16.313	17.532
14) MA Dieldrin	4.59	5.58	637.3E6	117.7E6	15.795	16.826
15) MA Endrin	4.89	6.02	605.8E6	108.2E6	16.004	16.954
16) A 4,4'-DDD	5.00	6.22	515.0E6	96629320	17.748	18.819
17) B Endosulfan II	5.19	6.35	536.9E6	97868928	15.607m	15.615
18) MA 4,4'-DDT	5.39	6.72	503.3E6	90180582	17.884m	18.816
19) B Endrin Aldehyde	5.79	6.88	163.5E6	28170975	5.636	5.511
20) B Endosulfan Sulfa	6.44	7.34	183.6E6	34986314	6.401	6.894
21) A Methoxychlor	6.15	7.88	245.0E6	47993488	17.638	17.685
23) B Endrin Ketone	6.87	8.22	388.5E6	66583671	10.259	10.468

(f)=RT Delta &gt; 1/2 Window

1G58377.D 1PST2127.M

Tue Nov 02 10:17:25 2010

(m)=manual int.

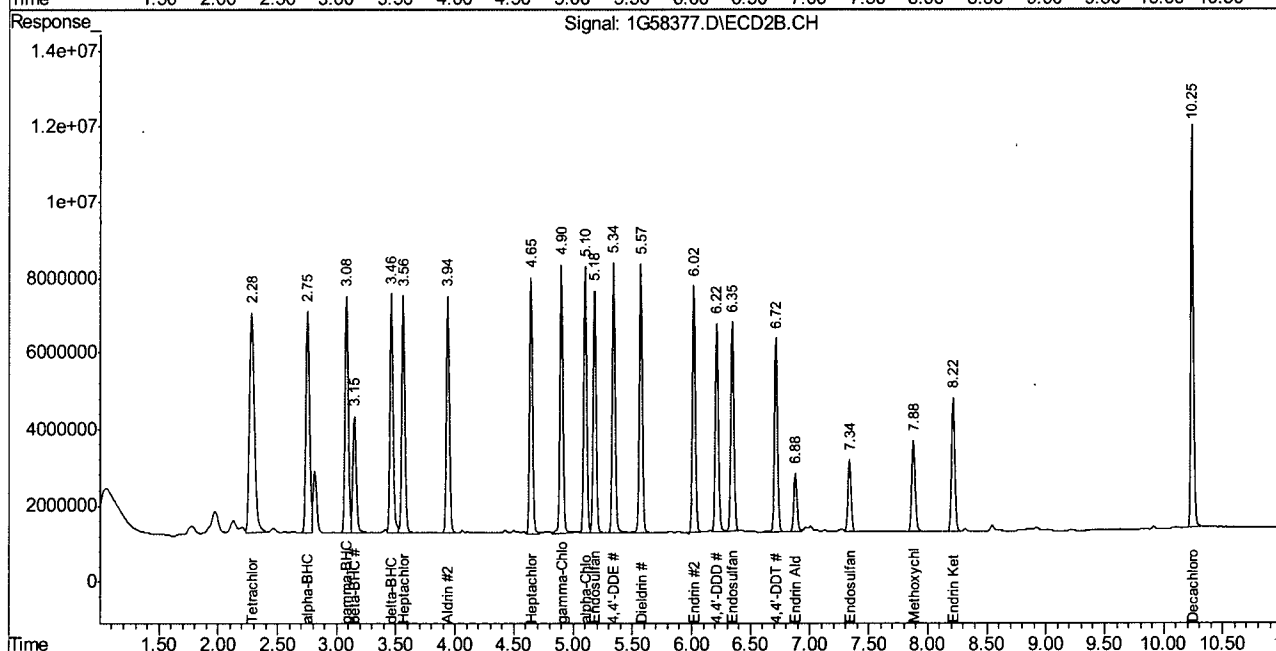
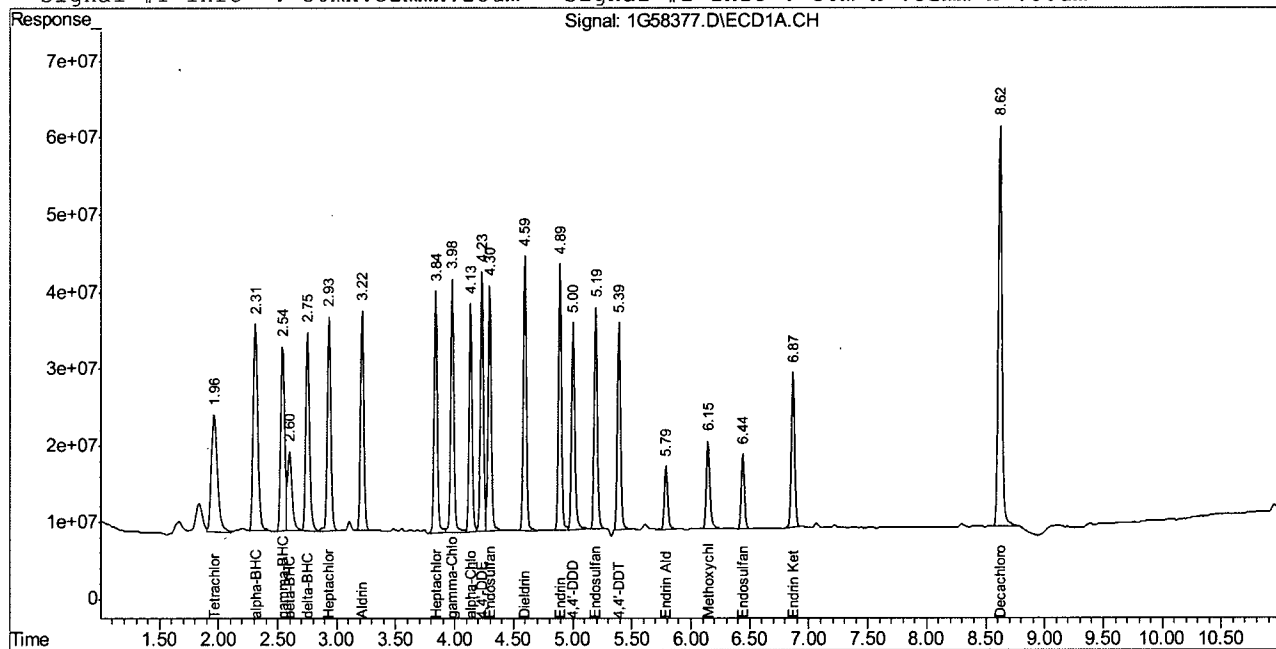
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:47 pm Operator: owenm  
Sample : op46352-msd Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58377.D 1PST2127.M

Tue Nov 02 10:17:25 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** OP46352-MSD      **Method:** SW846 8081A  
**Lab FileID:** 1G58377.D      **Analyst approved:** 11/02/10 14:58 Owen McKenna  
**Injection Time:** 11/01/10 22:47      **Supervisor approved:** 11/03/10 14:12 Owen McKenna

Parameter	CAS	Sig#	R.T. (min.)	Reason
Endosulfan-II	33213-65-9	1	5.19	Baseline ripple
4,4' -DDT	50-29-3	1	5.39	Baseline ripple
Decachlorobiphenyl	2051-24-3	1	8.62	Poorly defined baseline

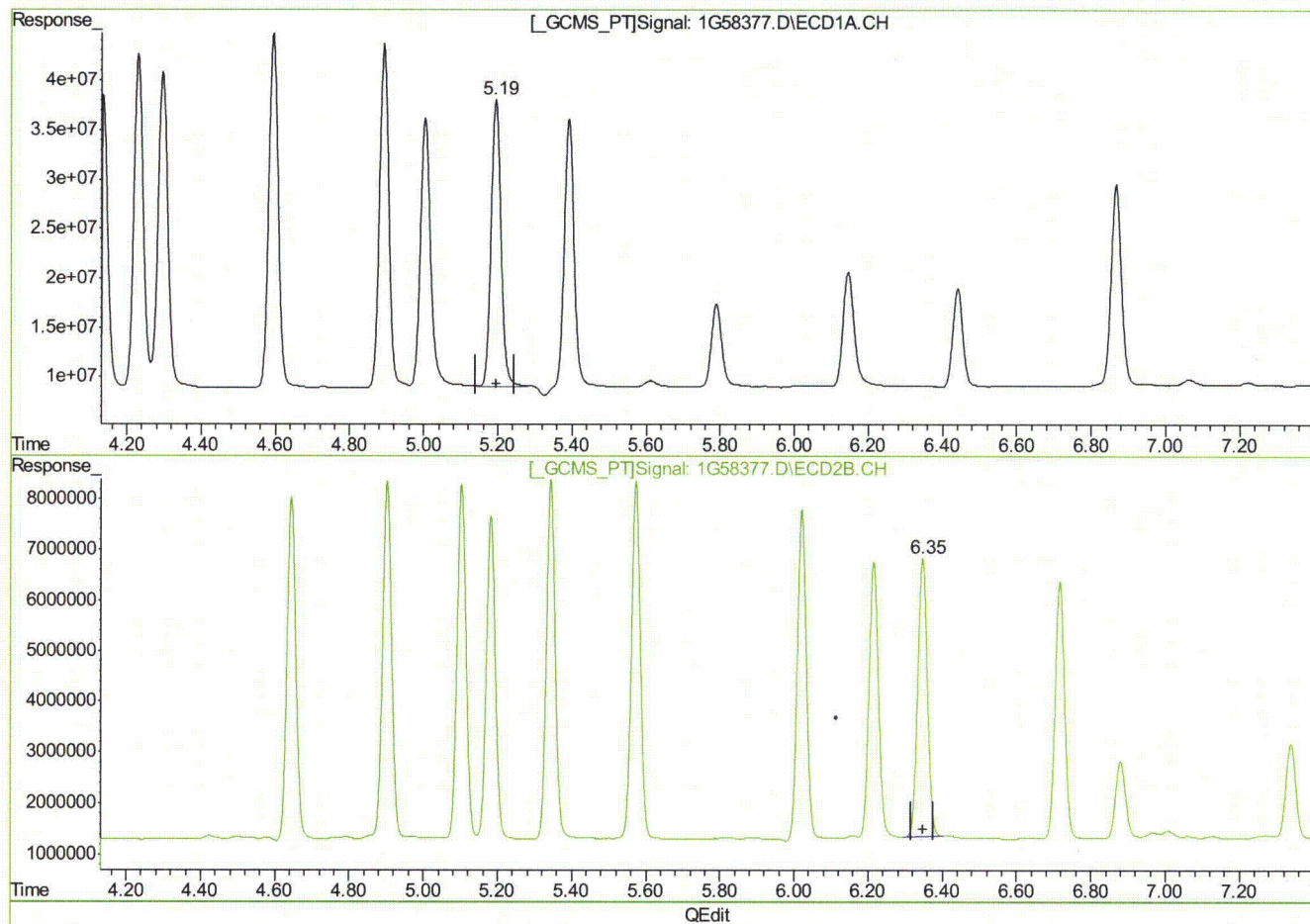
10.4.4.1  
10



## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:47 pm Operator: owenm  
Sample : op46352-msd Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(17) Endosulfan II (B)

15.19min 15.607PPB m

response 536913937

(17) Endosulfan II #2 (B)

15.35min 15.615PPB

response 97868928

(+) = Expected Retention Time

1G58377.D 1PST2127.M

Tue Nov 02 10:17:02 2010

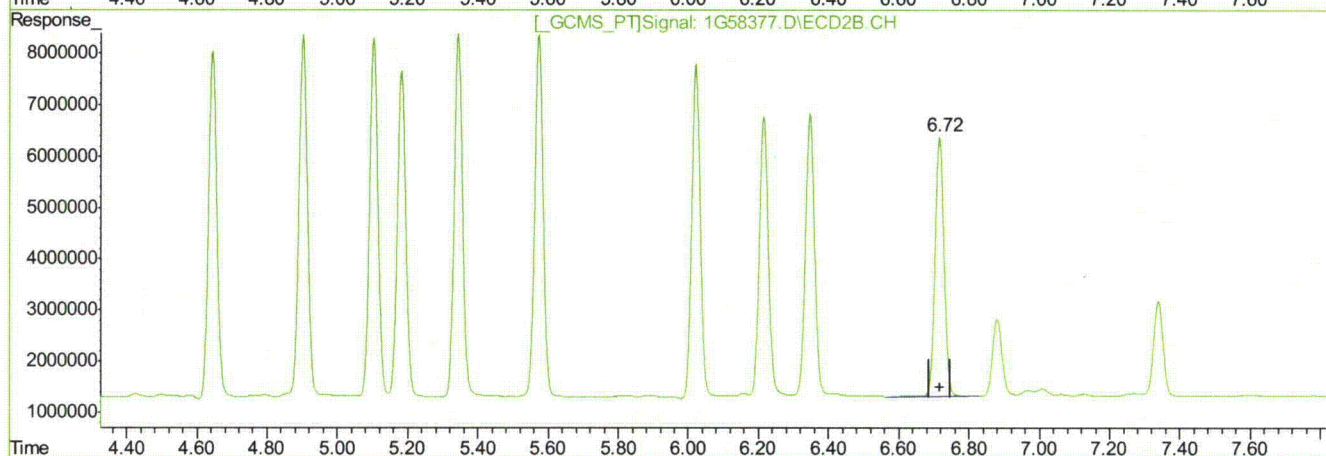
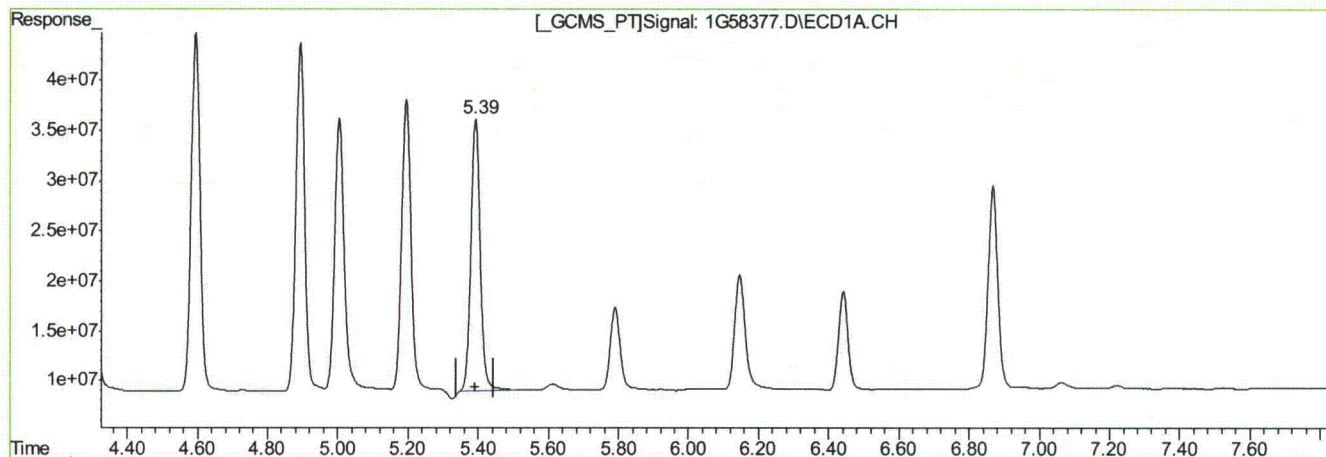
RPT1



## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:47 pm Operator: owenm  
Sample : op46352-msd Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



QEdit

(18) 4,4'-DDT (MA)  
5.39min 17.884PPB m  
response 503340557

(18) 4,4'-DDT #2 (MA)  
6.72min 18.816PPB  
response 90180582

(+) = Expected Retention Time

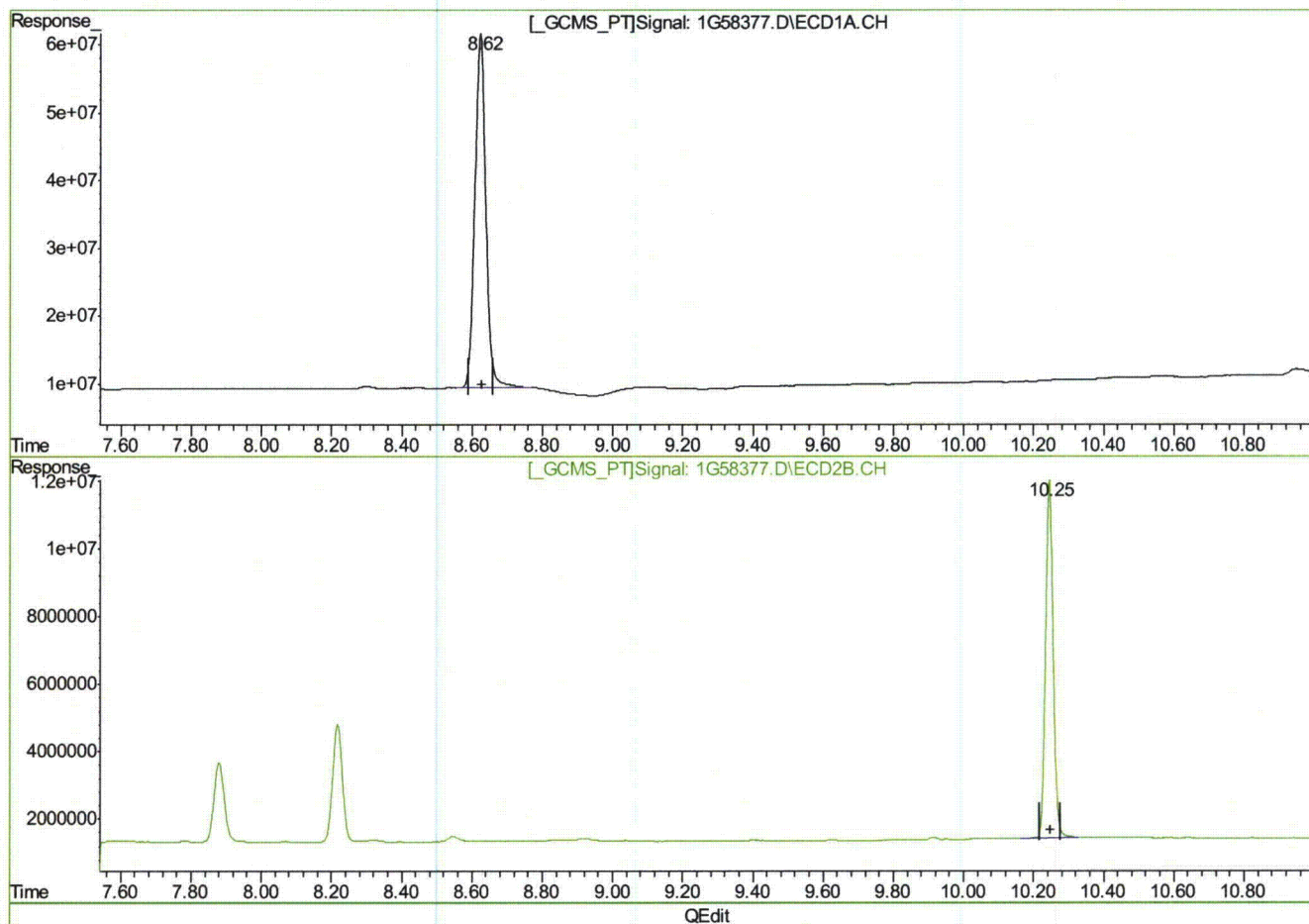
1G58377.D 1PST2127.M Tue Nov 02 10:17:12 2010

RPT1

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58377.D\ECD2B.CH  
Acq On : 01 Nov 2010 10:47 pm Operator: owenm  
Sample : op46352-msd Inst : GC1G  
Misc : op46352,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:16 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(34) Decachlorobiphenyl (SA)

8.62min 33.975PPB m

response 1132706980

(34) Decachlorobiphenyl #2 (SA)

10.25min 33.343PPB

response 158644132

(+) = Expected Retention Time

1G58377.D 1PST2127.M

Tue Nov 02 10:17:18 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50291.D\ECD1A.CH Vial: 15  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50291.D\ECD2B.CH  
 Acq On : 10-26-2010 01:42:59 PM Operator: toyar  
 Sample : op46323-ms Inst : GC3G  
 Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 13:53:48 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Oct 25 13:29:31 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	747.1E6	540.6E6	29.816	29.317
Spiked Amount 40.000			Recovery	=	74.54%	73.29%
50) S Decachlorobiphen	9.02	9.23	855.2E6	521.3E6	36.187	38.146
Spiked Amount 40.000			Recovery	=	90.47%	95.36%
Target Compounds						
30) AR1016-A	2.66	2.60	81624400	52908966	169.129	175.503
31) AR1016-B	3.02	3.01	152.0E6	108.4E6	175.575	182.789
32) AR1016-C	3.55	3.52	346.3E6	208.5E6	172.832	169.480
33) AR1016-D	3.71	3.67	134.1E6	108.6E6	178.109	200.283
34) AR1016-E	4.18	4.19	144.4E6	66219748	188.533	179.428
35) AR1260-A	6.02	6.02	335.1E6	175.0E6	190.508	199.549
36) AR1260-B	6.38	6.45	353.9E6	226.0E6	189.553	189.671
37) AR1260-C	6.83	6.94	225.5E6	143.4E6	197.363	203.867
38) AR1260-D	7.24	7.28	621.4E6	331.7E6	217.010	209.461
39) AR1260-E	7.60	7.73	362.9E6	203.2E6	194.150	189.906

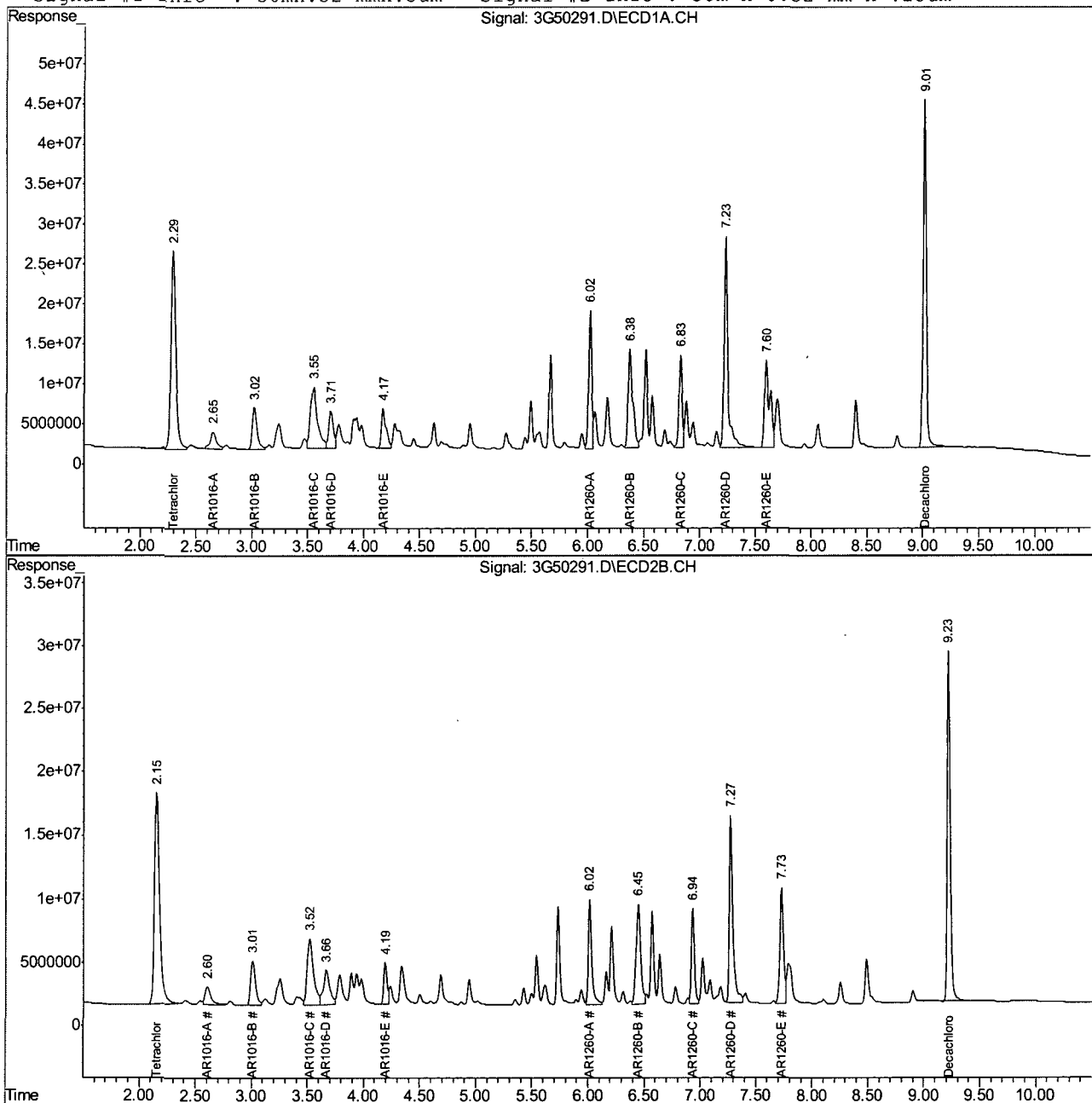
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50291.D PCB1826.M Wed Oct 27 10:06:00 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50291.D\ECD1A.CH Vial: 15  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50291.D\ECD2B.CH  
Acq On : 10-26-2010 01:42:59 PM Operator: toyar  
Sample : op46323-ms Inst : GC3G  
Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 14:01 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Oct 25 13:29:31 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50292.D\ECD1A.CH Vial: 16  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50292.D\ECD2B.CH  
 Acq On : 10-26-2010 01:56:16 PM Operator: toyar  
 Sample : op46323-msd Inst : GC3G  
 Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 14:24:13 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 13:23:26 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.15	789.0E6	578.0E6	31.486	31.345
Spiked Amount 40.000			Recovery	=	78.72%	78.36%
50) S Decachlorobiphen	9.02	9.23	932.6E6	577.4E6	39.464	42.253
Spiked Amount 40.000			Recovery	=	98.66%	105.63%
Target Compounds						
30) AR1016-A	2.66	2.60	85122496	57368159	176.377	190.295
31) AR1016-B	3.03	3.01	162.2E6	115.5E6	187.355	194.729
32) AR1016-C	3.55	3.52	370.8E6	224.4E6	185.045	182.410
33) AR1016-D	3.71	3.67	143.4E6	115.7E6	190.409	213.488
34) AR1016-E	4.17	4.19	154.9E6	72017357	202.155	195.137
35) AR1260-A	6.02	6.02	373.2E6	199.4E6	212.180	227.335
36) AR1260-B	6.38	6.45	395.3E6	266.0E6	211.680	223.293
37) AR1260-C	6.83	6.94	247.7E6	159.1E6	216.793	226.140
38) AR1260-D	7.23	7.28	687.9E6	370.6E6	240.268	234.008
39) AR1260-E	7.60	7.73	403.1E6	228.3E6	215.665	213.351

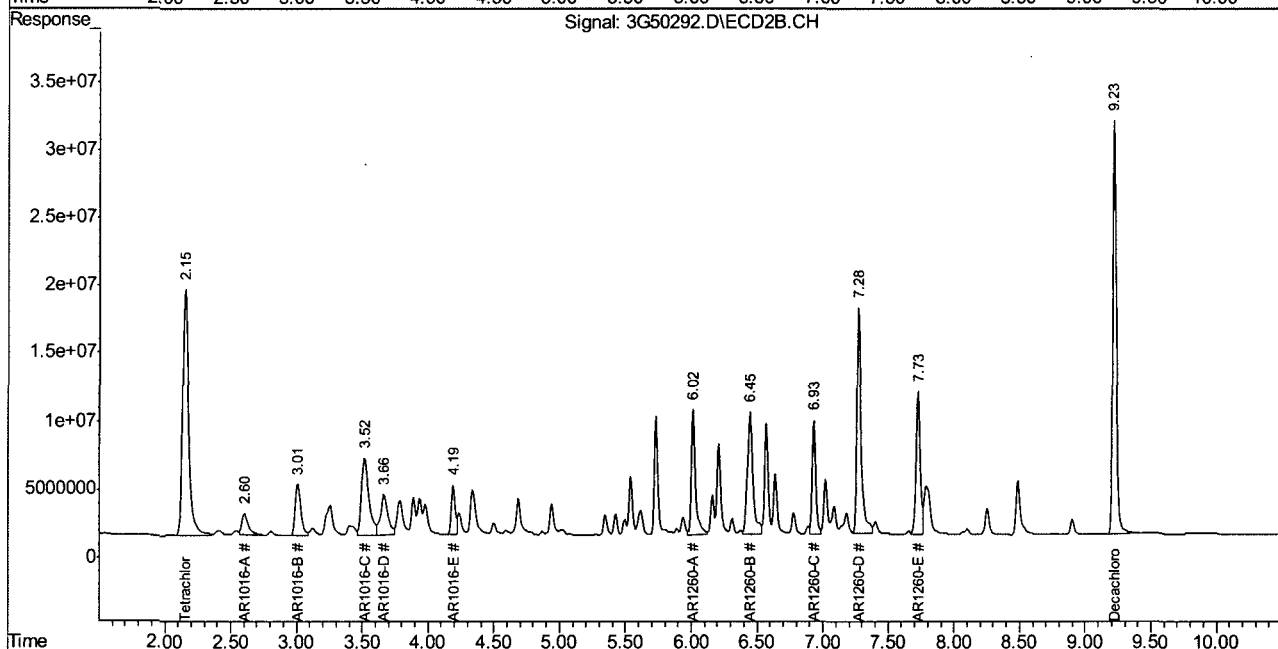
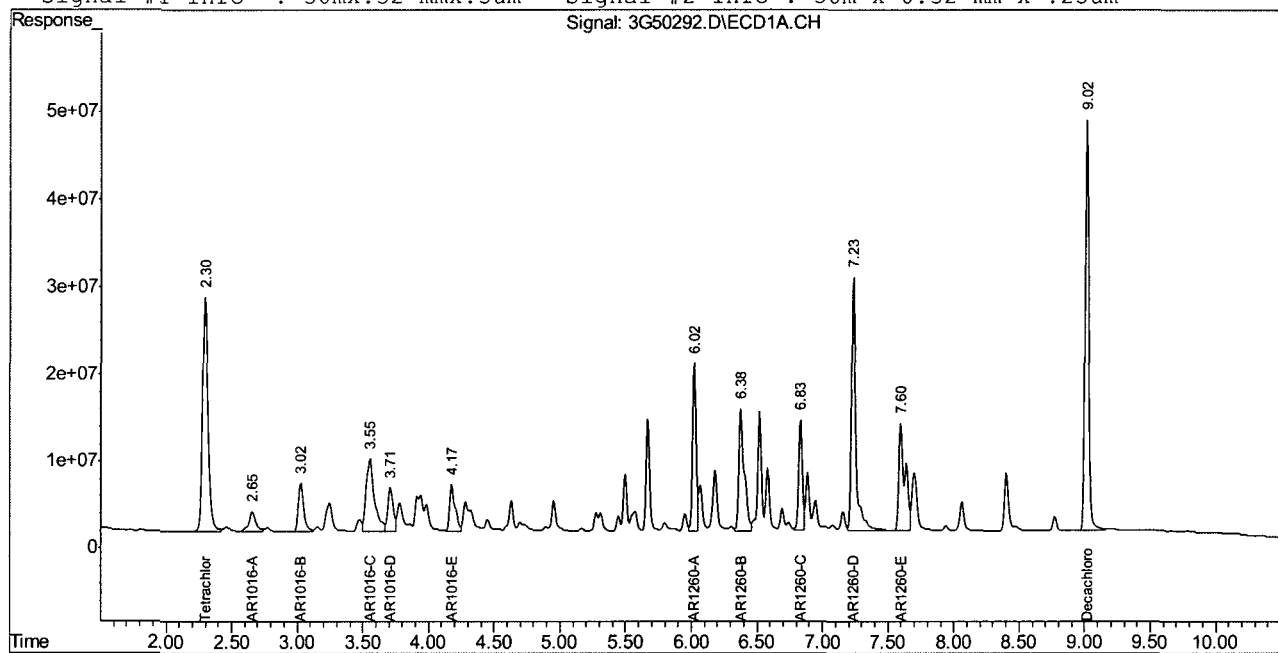
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50292.D PCB1826.M Wed Oct 27 10:06:06 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50292.D\ECD1A.CH Vial: 16  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50292.D\ECD2B.CH  
Acq On : 10-26-2010 01:56:16 PM Operator: toyar  
Sample : op46323-msd Inst : GC3G  
Misc : OP46323,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 26 14:24 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 13:23:26 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50292.D PCB1826.M

Wed Oct 27 10:06:07 2010

GC3G

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10.4.6 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50314.D\ECD1A.CH Vial: 38  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50314.D\ECD2B.CH  
 Acq On : 10-26-2010 09:11:00 PM Operator: toyar  
 Sample : op46353-ms Inst : GC3G  
 Misc : OP46353,g3gl851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 21:23:23 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	706.4E6	498.4E6	28.190	27.026
Spiked Amount 40.000			Recovery	=	70.47%	67.56%
50) S Decachlorobiphen	9.01	9.23	1015.0E6	610.5E6	42.949	44.670
Spiked Amount 40.000			Recovery	=	107.37%	111.68%
Target Compounds						
30) AR1016-A	2.66	2.61	73457524	50697255	152.207	168.167
31) AR1016-B	3.03	3.01	149.3E6	106.2E6	172.507	178.960
32) AR1016-C	3.56	3.52	354.2E6	209.8E6	176.785	170.498
33) AR1016-D	3.71	3.67	137.4E6	113.1E6	182.470	208.576
34) AR1016-E	4.18	4.19	158.6E6	72619517	207.052	196.769
35) AR1260-A	6.02	6.02	390.5E6	201.2E6	222.010	229.363
36) AR1260-B	6.38	6.45	427.8E6	271.4E6	229.111	227.817
37) AR1260-C	6.83	6.93	272.5E6	165.8E6	238.447	235.734
39) AR1260-E	7.60	7.73	445.5E6	236.6E6	238.345	221.118

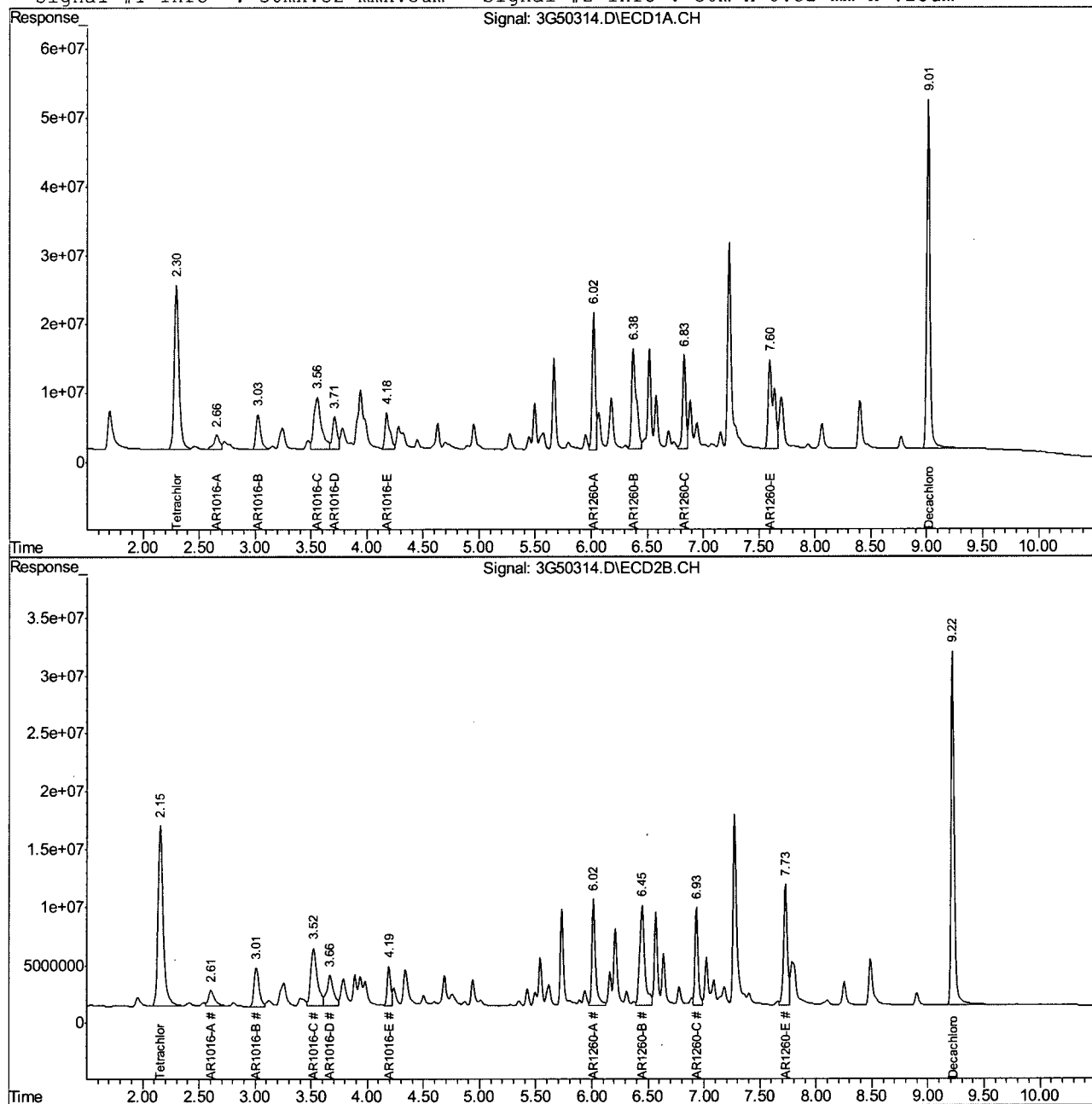
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50314.D PCB1826.M Wed Oct 27 09:41:48 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50314.D\ECD1A.CH Vial: 38  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50314.D\ECD2B.CH  
Acq On : 10-26-2010 09:11:00 PM Operator: toyar  
Sample : op46353-ms Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



3G50314.D PCB1826.M

Wed Oct 27 09:41:49 2010

GC3G

Page 2



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50315.D\ECD1A.CH Vial: 39  
 Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50315.D\ECD2B.CH  
 Acq On : 10-26-2010 09:26:06 PM Operator: toyar  
 Sample : op46353-msd Inst : GC3G  
 Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Oct 26 21:38:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue Oct 26 15:14:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.30	2.16	668.2E6	470.2E6	26.668	25.499
Spiked Amount 40.000			Recovery	=	66.67%	63.75%
50) S Decachlorobiphen	9.02	9.23	917.8E6	550.1E6	38.835	40.254
Spiked Amount 40.000			Recovery	=	97.09%	100.63%
Target Compounds						
30) AR1016-A	2.66	2.61	70876621	46340145	146.859	153.714
31) AR1016-B	3.03	3.01	141.3E6	100.3E6	163.277	169.091
32) AR1016-C	3.56	3.52	323.0E6	190.5E6	161.211	154.850
33) AR1016-D	3.71	3.67	124.4E6	101.3E6	165.232	186.798
34) AR1016-E	4.18	4.19	142.6E6	63552362	186.174	172.201
35) AR1260-A	6.02	6.02	356.1E6	182.9E6	202.451	208.484
36) AR1260-B	6.38	6.45	386.8E6	248.1E6	207.141	208.221
37) AR1260-C	6.83	6.94	255.7E6	153.9E6	223.737	218.741
39) AR1260-E	7.60	7.73	407.8E6	217.8E6	218.187	203.489

10.4.8 10

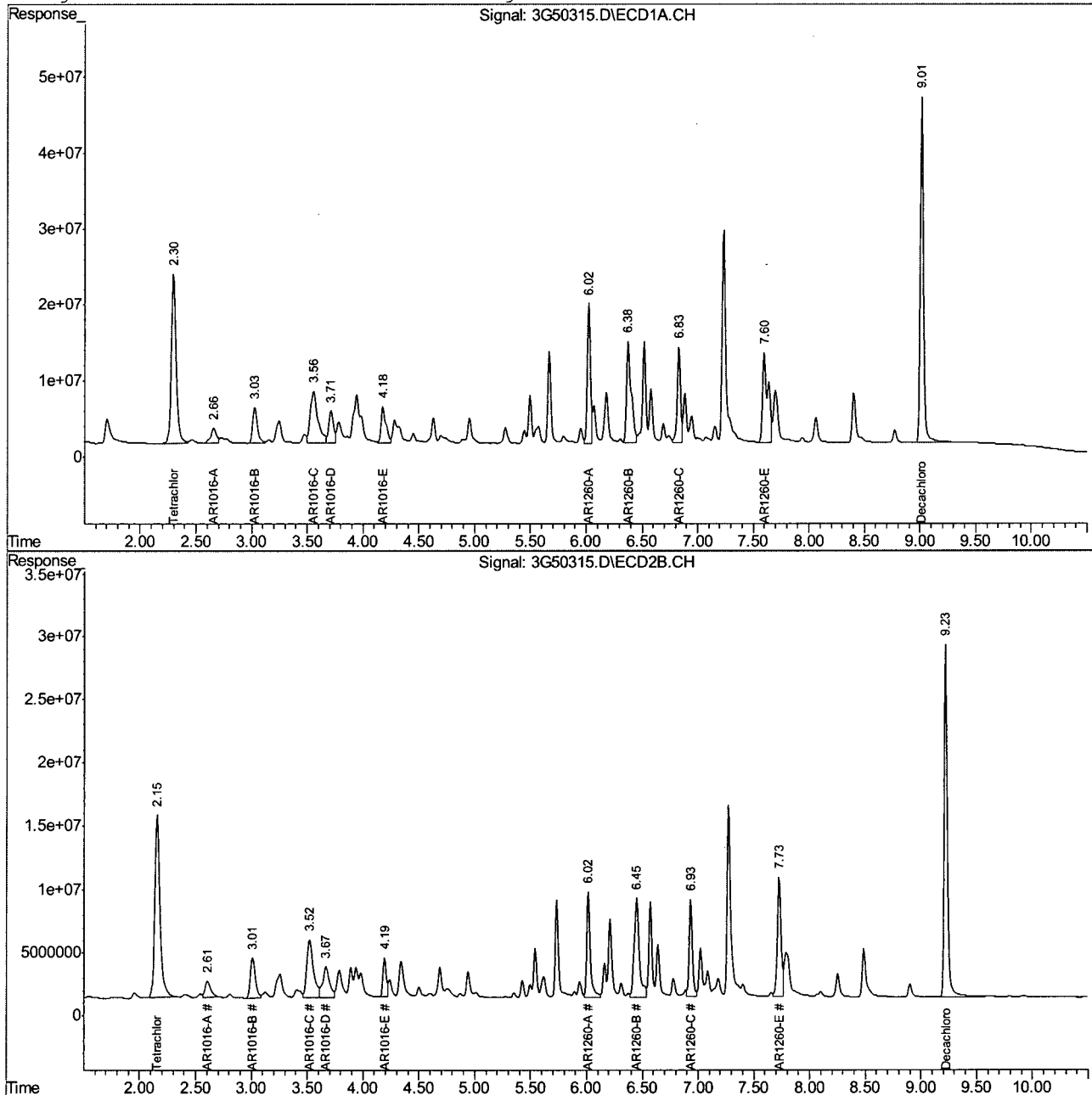
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G50315.D PCB1826.M Wed Oct 27 09:42:04 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1851\3G50315.D\ECD1A.CH Vial: 39  
Signal #2 : C:\MSDCHEM\1\DATA\1851\3G50315.D\ECD2B.CH  
Acq On : 10-26-2010 09:26:06 PM Operator: toyar  
Sample : op46353-msd Inst : GC3G  
Misc : OP46353,g3g1851,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Oct 27 9:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Tue Oct 26 15:14:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30mx.32 mmx.5um Signal #2 Info : 30m x 0.32 mm x .25um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58356.D\ECD1A.CH Vial: 1  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58356.D\ECD2B.CH  
 Acq On : 11-1-10 05:30:37 PM Operator: owenm  
 Sample : ddt Inst : GC1G  
 Misc : op46373,g1g2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

Target Compounds						
13) B	4,4'-DDE	4.25	5.35	42156813	7495262	1.146 1.122
15) MA	Endrin	4.91	6.03	3968.1E6	731.7E6	104.823 114.603
16) A	4,4'-DDD	5.02	6.22	43332522	7052477	1.493 1.373
18) MA	4,4'-DDT	5.41	6.72	2971.3E6	579.0E6	105.568 120.804
19) B	Endrin Aldehyde	5.81	0.00	9191844	0	0.317 N.D.
23) B	Endrin Ketone	6.89	8.22	31359423	2986411	0.828 0.470

10.5.1 10

(f)=RT Delta &gt; 1/2 Window

1G58356.D 1PST2127.M

Tue Nov 02 09:27:42 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58356.D\ECD1A.CH Vial: 1  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58356.D\ECD2B.CH  
Acq On : 11-1-10 05:30:37 PM Operator: owenm  
Sample : ddt Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:27 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

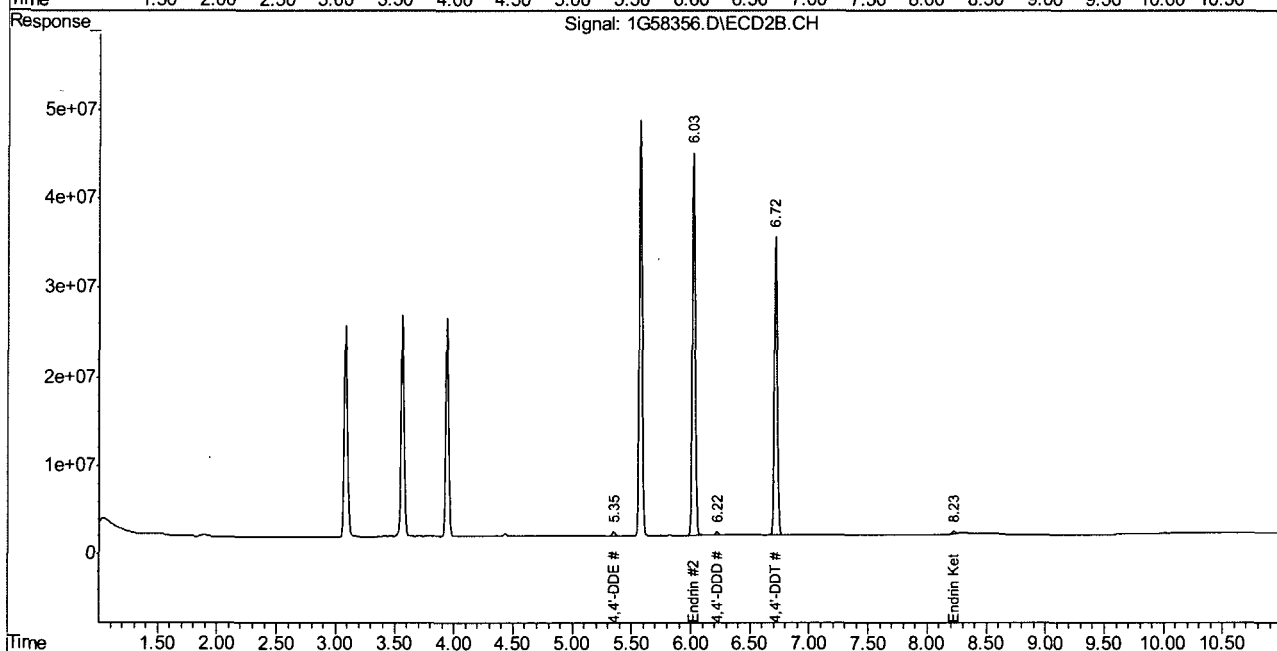
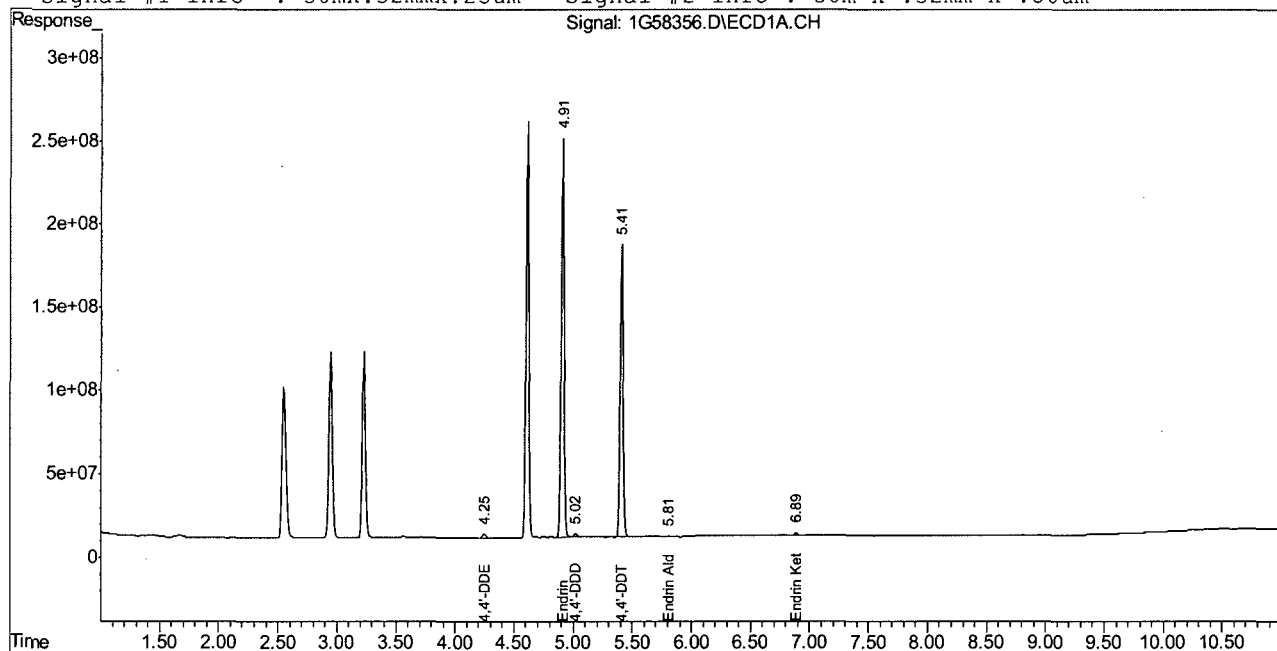
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD1A.CH Vial: 3  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD2B.CH  
 Acq On : 11-1-10 06:00:53 PM Operator: owenm  
 Sample : ic2127-1 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:20 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:19:40 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.96	2.28	20950488	5982240	0.970	0.892
Spiked Amount	40.000	Range	30 - 150	Recovery	=	2.43%# 2.23%#
34) SA Decachlorobiphen	8.63	10.25	35878176	5088246	1.090	1.082
Spiked Amount	40.000	Range	30 - 150	Recovery	=	2.73%# 2.71%#

## Target Compounds

2) Hexachlorobenzen	2.21	2.65	46068163	8405482	1.140	1.027
3) A alpha-BHC	2.31	2.75	41372287	8940814	0.885	0.969
4) MA gamma-BHC	2.54	3.09	41920742	8397723	1.016	0.991
5) MA Heptachlor	2.93	3.56	39583364	7584887	0.916	0.914
6) B beta-BHC	2.60	3.15	18276126	3894163	1.045	0.991
7) B delta-BHC	2.75	3.47	35709714	7625147	0.909	1.016
8) MB Aldrin	3.22	3.94	37848736	8228361	0.916	1.058
9) B Heptachlor Epoxi	3.84	4.64	37076345	6616488	0.953	0.890
10) B gamma-Chlordane	3.98	4.90	36135200	8003927	0.937	1.075m
11) B alpha-Chlordane	4.13	5.10	35596593	6687647	0.949	0.929
12) A Endosulfan I	4.30	5.18	40079281	6065280	1.036	0.891
13) B 4,4'-DDE	4.23	5.34	39830977	6211198	1.098	0.919
14) MA Dieldrin	4.59	5.57	37603448	6144720	0.922	0.861
15) MA Endrin	4.89	6.02	41362288	5708620	1.110	0.879
16) A 4,4'-DDD	5.00	6.22	27948028	4327677	0.957	0.821
17) B Endosulfan II	5.19	6.35	33248818	6602336	0.961	1.063
18) MA 4,4'-DDT	5.39	6.72	25491109	3823976	0.892	0.772
19) B Endrin Aldehyde	5.79	6.88	33642207	5638408	1.191	1.122
20) B Endosulfan Sulfa	6.44	7.34	30759300	5343276	1.085	1.062
21) A Methoxychlor	6.15	7.88	13110219	3205074	0.935	1.218
22) Mirex	6.27	8.16	32198824	5089343	1.234	1.043
23) B Endrin Ketone	6.87	8.22	36542912	5763363	0.960	0.892

(f)=RT Delta &gt; 1/2 Window

1G58358.D 1PST2127.M

Tue Nov 02 09:20:33 2010

(m)=manual int.

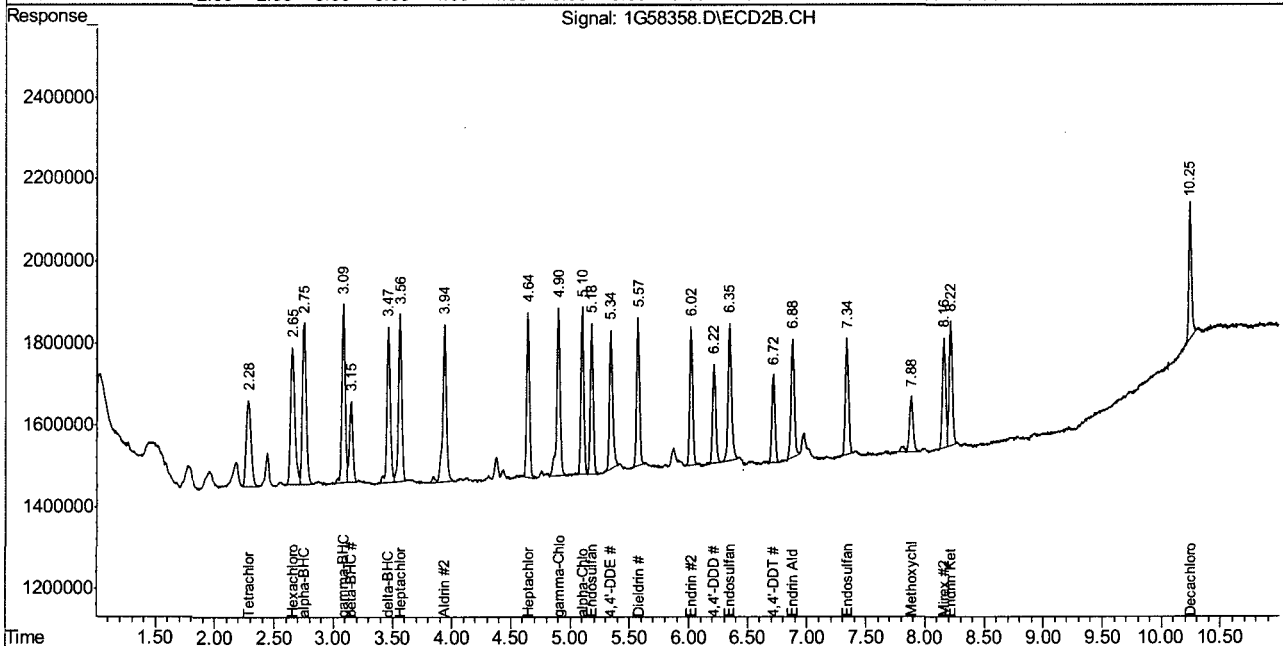
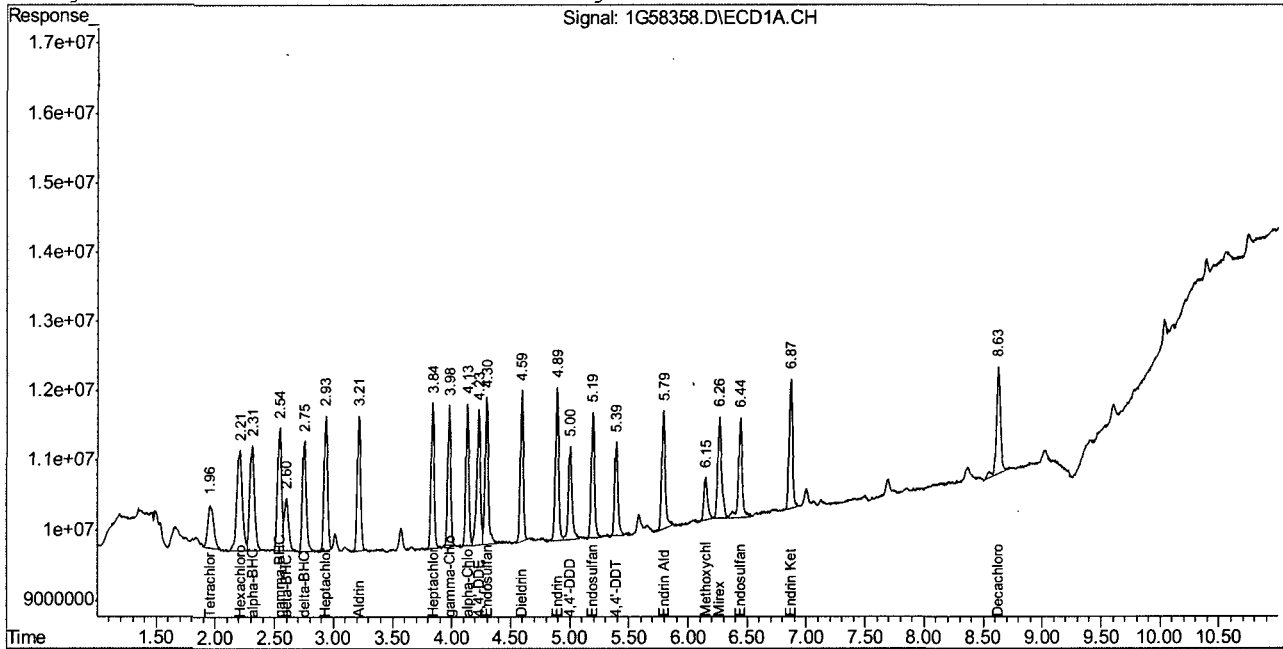
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD1A.CH Vial: 3  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD2B.CH  
Acq On : 11-1-10 06:00:53 PM Operator: owenm  
Sample : ic2127-1 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:20 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:19:40 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II  
Signal #1 Info : 30mx.32mmx.25um  
Signal #2 Phase: RTX-CLP I  
Signal #2 Info : 30m x .32mm x .50um



1G58358.D 1PST2127.M

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RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G1G2127-IC2127      **Method:** SW846 8081A  
**Lab FileID:** 1G58358.D      **Analyst approved:** 11/02/10 10:18 Owen McKenna  
**Injection Time:** 11/01/10 18:00      **Supervisor approved:** 11/02/10 14:47 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
gamma-Chlordane	5103-74-2	2	4.90	Baseline ripple

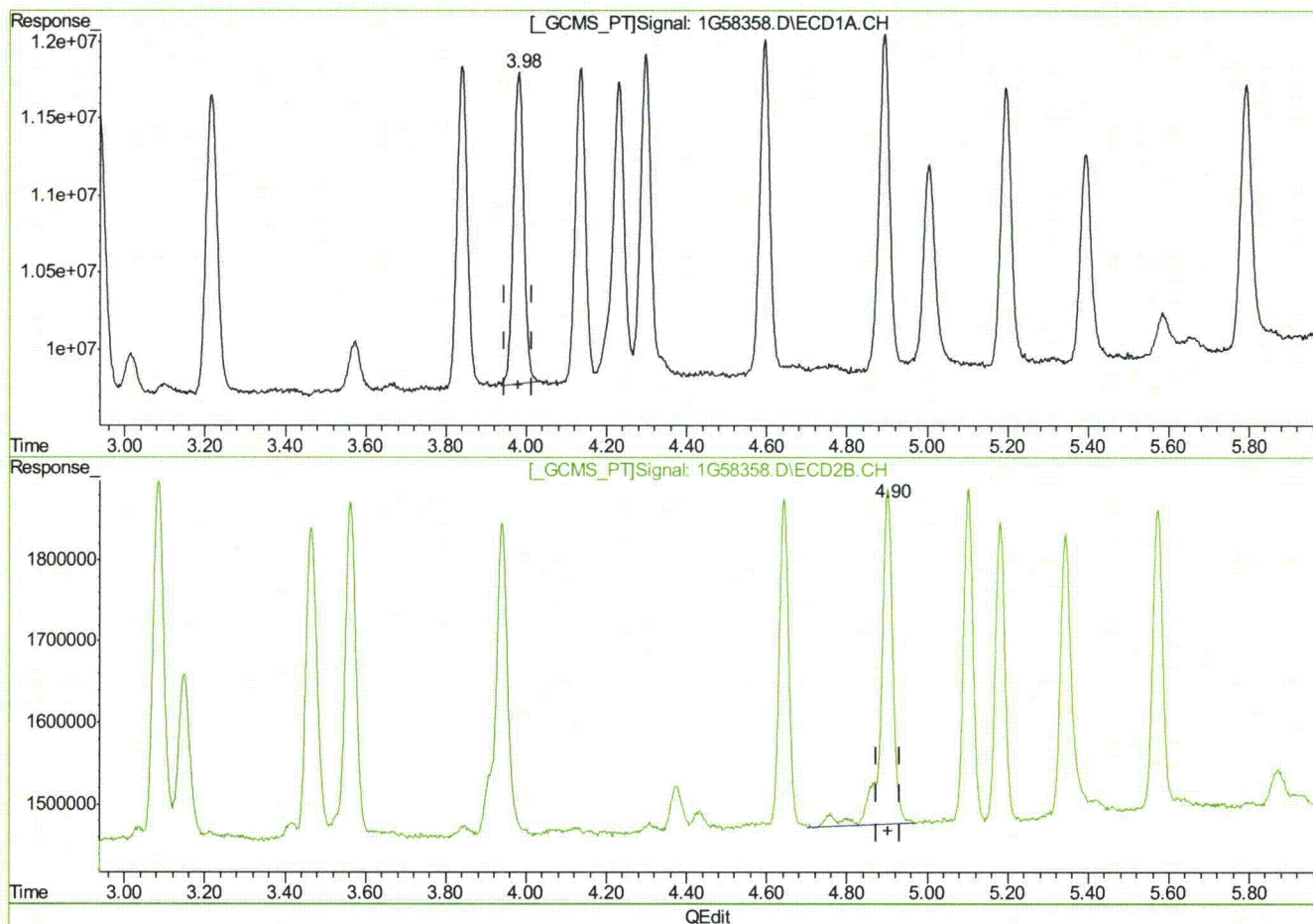
10.6.1.1

10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD1A.CH Vial: 3  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD2B.CH  
Acq On : 11-1-10 06:00:53 PM Operator: owenm  
Sample : ic2127-1 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:19 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:19:40 2010  
Response via : Multiple Level Calibration



(10) gamma-Chlordane (B)

3.98min 0.937PPB

response 36135200

(10) gamma-Chlordane #2 (B)

4.90min 1.148PPB

response 8548703

(+) = Expected Retention Time

1G58358.D 1PST2127.M

Tue Nov 02 09:20:05 2010

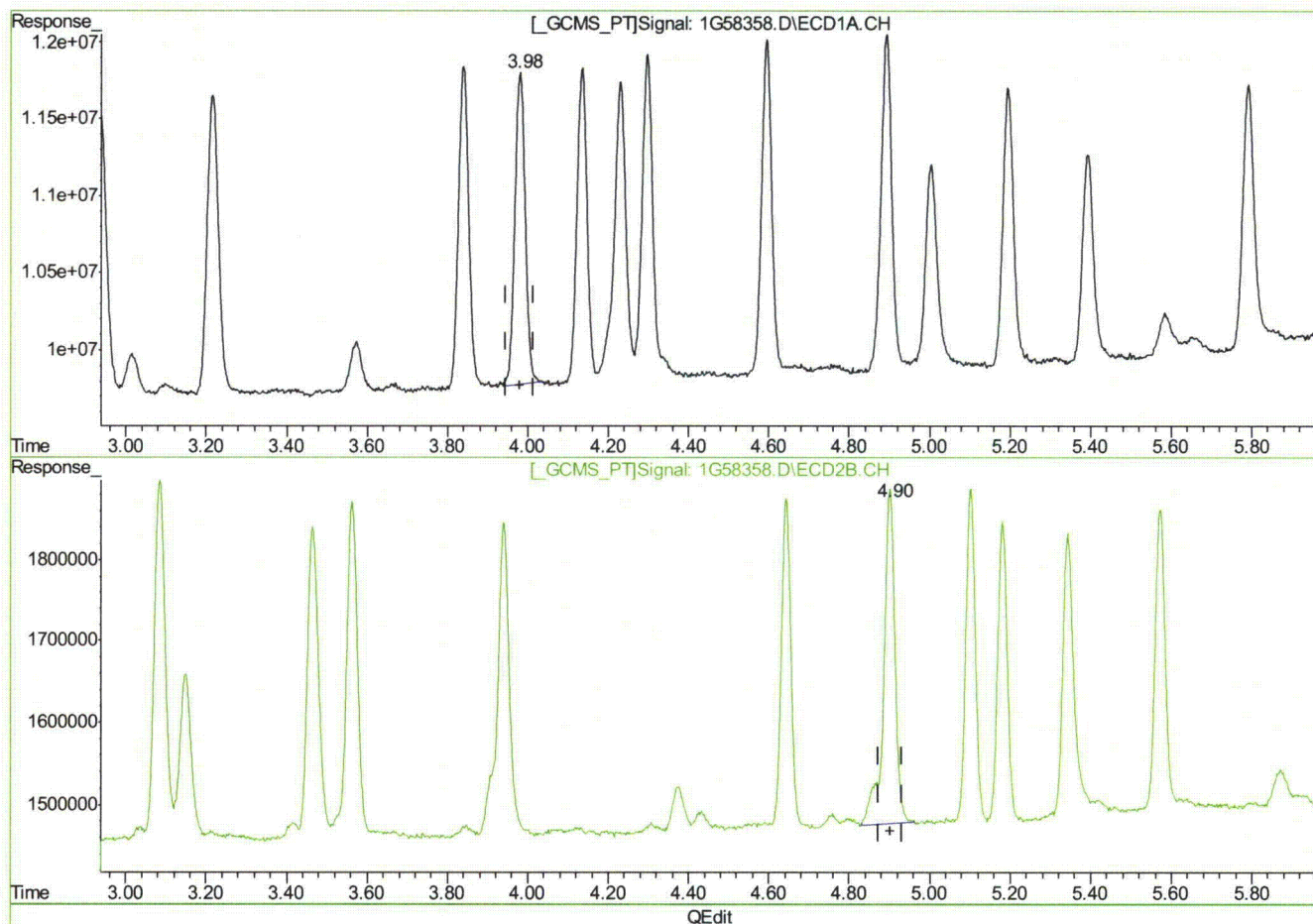
RPT1



## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD1A.CH Vial: 3  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58358.D\ECD2B.CH  
Acq On : 11-1-10 06:00:53 PM Operator: owenm  
Sample : ic2127-1 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:19 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:19:40 2010  
Response via : Multiple Level Calibration



(10) gamma-Chlordane (B)

3.98min 0.937PPB

response 36135200

(10) gamma-Chlordane #2 (B)

4.90min 1.075PPB m

response 8003927

(+) = Expected Retention Time

1G58358.D 1PST2127.M

Tue Nov 02 09:20:09 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58359.D\ECD1A.CH Vial: 4  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58359.D\ECD2B.CH  
Acq On : 11-1-10 06:15:57 PM Operator: owenm  
Sample : ic2127-2 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:19 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:17:47 2010  
Response via : Initial Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	43031680	12701262	1.990	1.874
Spiked Amount	40.000	Range	30 - 150	Recovery	=	4.98%# 4.69%#
34) SA Decachlorobiphen	8.63	10.25	69077896	9847653	2.119	2.114
Spiked Amount	40.000	Range	30 - 150	Recovery	=	5.30%# 5.28%#
Target Compounds						
2) Hexachlorobenzen	2.20	2.65	86319378	17372350	2.167	2.150
3) A alpha-BHC	2.31	2.75	86435291	15481962	1.822	1.625
4) MA gamma-BHC	2.54	3.08	77239186	14790894	1.848	1.703
5) MA Heptachlor	2.93	3.56	81103874	14845659	1.854	1.753
6) B beta-BHC	2.60	3.15	35370346	7600273	2.027	1.922
7) B delta-BHC	2.75	3.46	72138218	12950536	1.807	1.680
8) MB Aldrin	3.21	3.94	77585317	13807413	1.854	1.736
9) B Heptachlor Epoxi	3.84	4.64	75154136	13604521	1.918	1.800
10) B gamma-Chlordane	3.98	4.90	74091760	13832861	1.906	1.831
11) B alpha-Chlordane	4.13	5.10	71927413	13429462	1.901	1.840
12) A Endosulfan I	4.30	5.18	76552954	12568137	1.975	1.820
13) B 4,4'-DDE	4.23	5.34	67651152	11619453	1.840	1.672
14) MA Dieldrin	4.59	5.57	78038367	12759840	1.896	1.750
15) MA Endrin	4.89	6.02	69339745	11788716	1.835	1.781
16) A 4,4'-DDD	5.00	6.22	53876384	8923207	1.817	1.643
17) B Endosulfan II	5.19	6.35	66545465	11775364	1.909	1.876
18) MA 4,4'-DDT	5.39	6.72	52811200	8274196	1.820	1.617
19) B Endrin Aldehyde	5.79	6.88	53071419	9812243	1.857	1.944
20) B Endosulfan Sulfa	6.44	7.34	55866936	9759807	1.965	1.929
21) A Methoxychlor	6.15	7.88	28372610	5177548	2.028	1.961
22) Mirex	6.26	8.16	55579604	10713348	2.158	2.239
23) B Endrin Ketone	6.87	8.22	75866614	12508900	1.991	1.924

(f)=RT Delta &gt; 1/2 Window

1G58359.D 1PST2127.M Tue Nov 02 09:19:36 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58359.D\ECD1A.CH Vial: 4  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58359.D\ECD2B.CH  
Acq On : 11-1-10 06:15:57 PM Operator: owenm  
Sample : ic2127-2 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:19 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:17:47 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

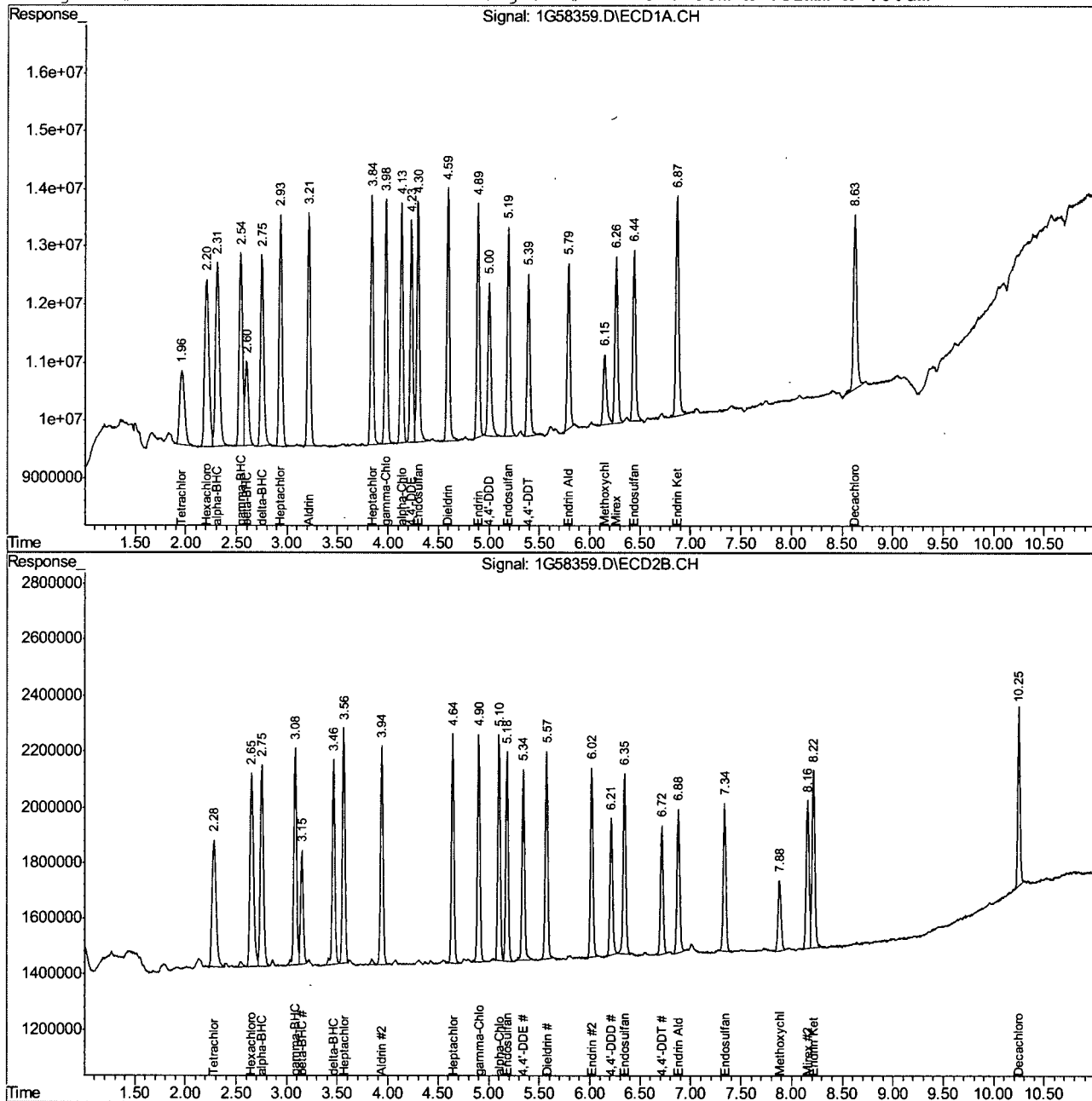
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58359.D 1PST2127.M

Tue Nov 02 09:19:36 2010

RPT1

Page 2

10.6.2 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58360.D\ECD1A.CH Vial: 5  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58360.D\ECD2B.CH  
 Acq On : 11-1-10 06:31:04 PM Operator: owenm  
 Sample : ic2127-5 Inst : GC1G  
 Misc : .op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:16:56 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.97	2.29	101.8E6	30977408	4.641	4.475
Spiked Amount	40.000	Range	30 - 150	Recovery	=	11.60%# 11.19%#
34) SA Decachlorobiphen	8.63	10.25	159.0E6	23097282	4.849	4.947
Spiked Amount	40.000	Range	30 - 150	Recovery	=	12.12%# 12.37%#
Target Compounds						
2) Hexachlorobenzen	2.21	2.66	196.3E6	39198000	4.908	4.814
3) A alpha-BHC	2.31	2.76	204.5E6	38234328	4.167	3.825
4) MA gamma-BHC	2.54	3.09	183.4E6	35750391	4.258	3.941
5) MA Heptachlor	2.94	3.57	191.8E6	36057013	4.254	4.105
6) B beta-BHC	2.60	3.15	81667062	18484055	4.607	4.600
7) B delta-BHC	2.75	3.47	170.8E6	30954841	4.129	3.828
8) MB Aldrin	3.22	3.94	182.9E6	32601740	4.237	3.922
9) B Heptachlor Epoxi	3.84	4.65	174.8E6	32644456	4.344	4.177
10) B gamma-Chlordane	3.98	4.90	170.9E6	32742768	4.267	4.196
11) B alpha-Chlordane	4.14	5.11	168.6E6	32248102	4.338	4.294
12) A Endosulfan I	4.30	5.18	173.8E6	30046674	4.373	4.213
13) B 4,4'-DDE	4.23	5.35	158.4E6	28450120	4.165	3.916
14) MA Dieldrin	4.60	5.58	179.4E6	30243039	4.222	3.978
15) MA Endrin	4.89	6.02	166.3E6	28348640	4.274	4.136
16) A 4,4'-DDD	5.00	6.22	126.8E6	22442107	4.128	3.961
17) B Endosulfan II	5.20	6.35	153.3E6	27440216	4.270	4.239
18) MA 4,4'-DDT	5.39	6.72	119.7E6	20940903	3.952	3.914
19) B Endrin Aldehyde	5.79	6.88	129.7E6	22958784	4.435	4.448
20) B Endosulfan Sulfa	6.44	7.34	127.6E6	22587623	4.378	4.348
21) A Methoxychlor	6.15	7.88	64692361	12135112	4.539	4.505
22) Mirex	6.27	8.16	126.9E6	24380797	4.909	5.121
23) B Endrin Ketone	6.87	8.22	170.5E6	28765250	4.359	4.301

(f)=RT Delta &gt; 1/2 Window

1G58360.D 1PST2127.M

Tue Nov 02 09:17:43 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58360.D\ECD1A.CH Vial: 5  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58360.D\ECD2B.CH  
Acq On : 11-1-10 06:31:04 PM Operator: owenm  
Sample : ic2127-5 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:17 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:16:56 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

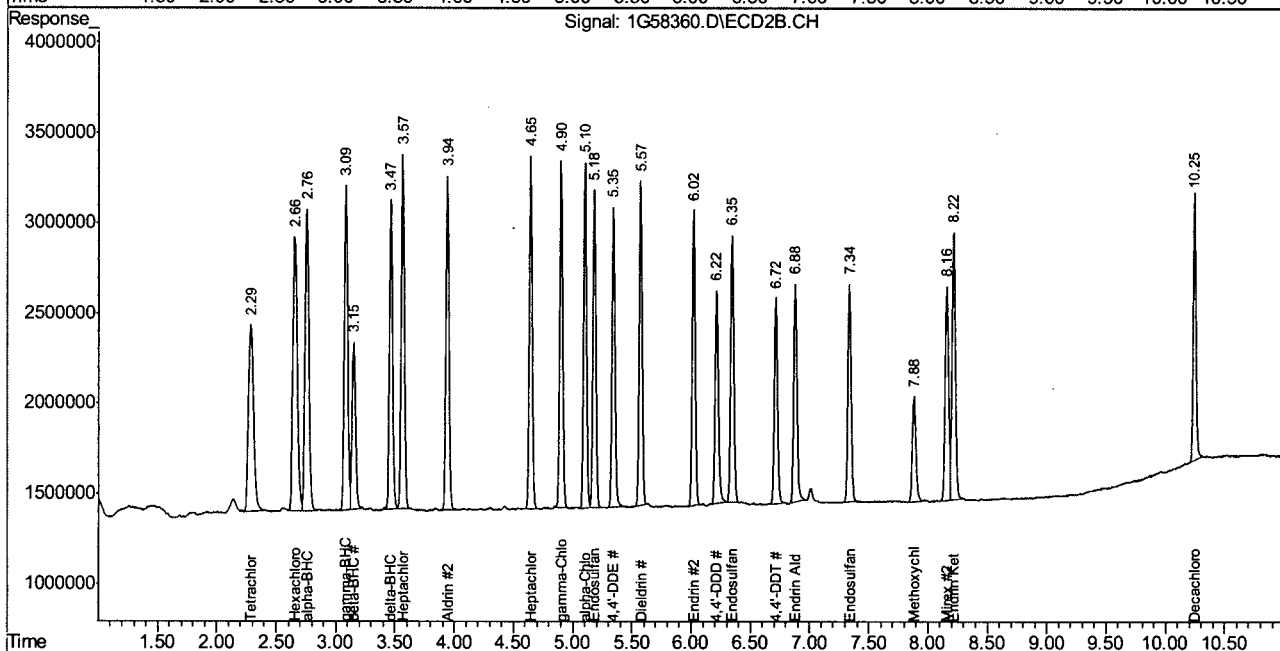
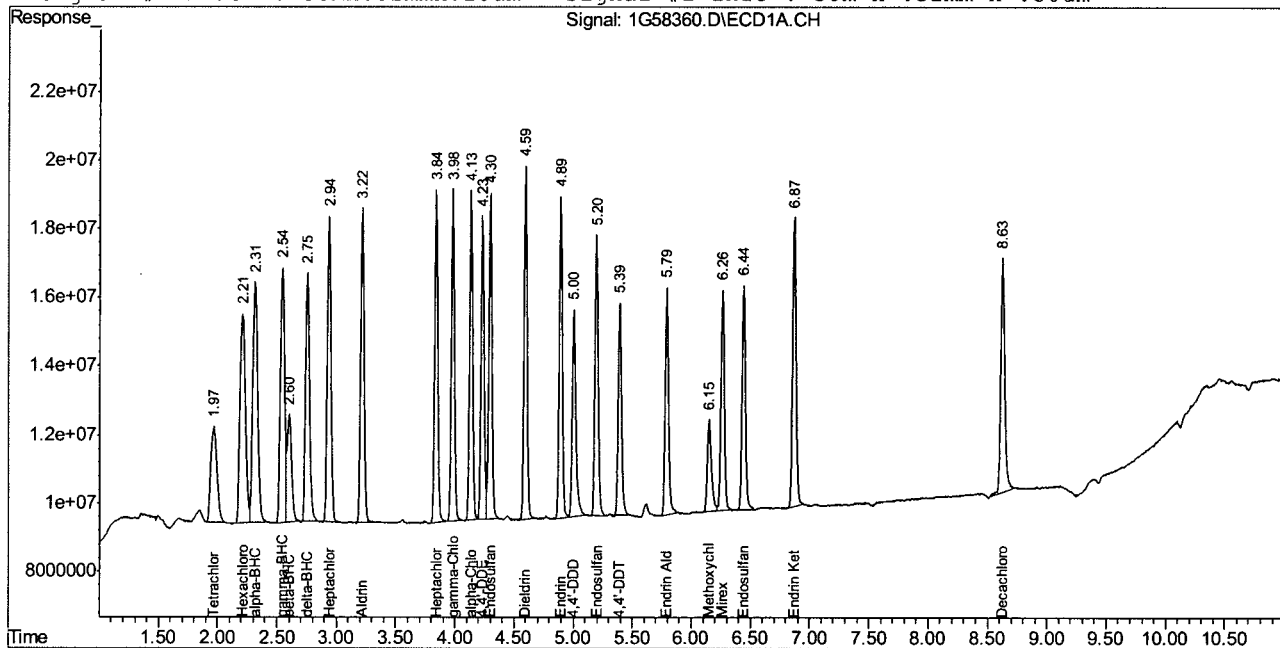
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58360.D 1PST2127.M

Tue Nov 02 09:17:44 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58361.D\ECD1A.CH Vial: 6  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58361.D\ECD2B.CH  
 Acq On : 11-1-10 06:46:06 PM Operator: owenm  
 Sample : ic2127-10 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:16:21 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	223.0E6	67894668	10.222	9.746
Spiked Amount	40.000	Range	30 - 150	Recovery	= 25.56%#	24.37%#
34) SA Decachlorobiphen	8.63	10.25	330.6E6	49197062	10.111	10.730
Spiked Amount	40.000	Range	30 - 150	Recovery	= 25.28%#	26.82%#
Target Compounds						
2) Hexachlorobenzen	2.20	2.65	414.8E6	83473511	10.504	10.338
3) A alpha-BHC	2.31	2.75	471.5E6	90221722	9.486	8.743
4) MA gamma-BHC	2.54	3.08	422.3E6	83846904	9.738	9.015
5) MA Heptachlor	2.94	3.56	447.9E6	82548176	9.912	9.214
6) B beta-BHC	2.60	3.15	183.8E6	40528630	10.493	10.115
7) B delta-BHC	2.75	3.46	397.5E6	72990291	9.488	8.742
8) MB Aldrin	3.22	3.94	430.3E6	76321257	9.960	8.938
9) B Heptachlor Epoxi	3.84	4.65	402.1E6	74064832	9.990	9.313
10) B gamma-Chlordane	3.98	4.90	395.6E6	73983230	9.840	9.318
11) B alpha-Chlordane	4.13	5.10	389.9E6	72283767	10.045	9.507
12) A Endosulfan I	4.30	5.18	399.9E6	67718865	10.079	9.338
13) B 4,4'-DDE	4.23	5.34	374.1E6	66208832	9.782	8.850
14) MA Dieldrin	4.59	5.57	421.7E6	69676080	9.905	8.916
15) MA Endrin	4.89	6.02	389.9E6	64565201	10.024	9.241
16) A 4,4'-DDD	5.00	6.22	292.1E6	51216901	9.357	8.758
17) B Endosulfan II	5.19	6.35	358.6E6	61238024	9.982	9.292
18) MA 4,4'-DDT	5.39	6.72	285.3E6	48896509	9.239	8.884
19) B Endrin Aldehyde	5.79	6.88	289.8E6	49682997	9.877	9.506
20) B Endosulfan Sulfa	6.44	7.34	283.9E6	50673820	9.657	9.674
21) A Methoxychlor	6.15	7.88	144.7E6	26994069	10.208	10.027
22) Mirex	6.26	8.16	267.5E6	50789545	10.468	10.911
23) B Endrin Ketone	6.87	8.22	387.9E6	64610154	9.890	9.553

(f)=RT Delta &gt; 1/2 Window

1G58361.D 1PST2127.M Tue Nov 02 09:16:51 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58361.D\ECD1A.CH Vial: 6  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58361.D\ECD2B.CH  
Acq On : 11-1-10 06:46:06 PM Operator: owenm  
Sample : ic2127-10 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:16:21 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

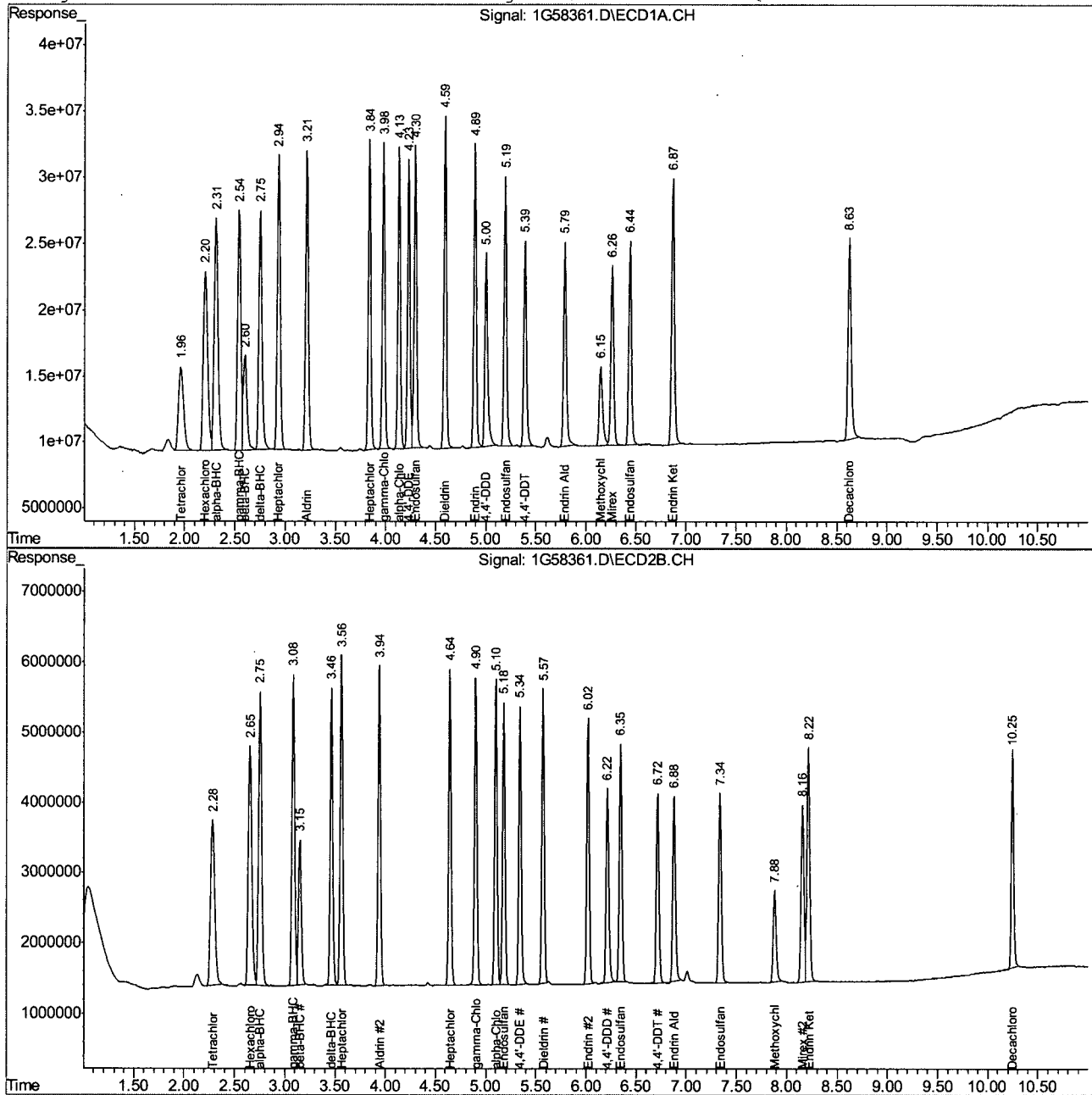
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



10.6.4 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58362.D\ECD1A.CH Vial: 7  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58362.D\ECD2B.CH  
 Acq On : 11-1-10 07:01:15 PM Operator: owenm  
 Sample : icc2127-25 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:14:54 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	513.6E6	161.5E6	25.000	25.000
Spiked Amount	40.000	Range	30 - 150	Recovery	=	62.50% 62.50%
34) SA Decachlorobiphen	8.63	10.25	751.5E6	110.4E6	25.000	25.000
Spiked Amount	40.000	Range	30 - 150	Recovery	=	62.50% 62.50%
Target Compounds						
2) Hexachlorobenzen	2.21	2.66	956.3E6	191.9E6	25.000	25.000
3) A alpha-BHC	2.31	2.76	1131.5E6	227.8E6	25.000	25.000
4) MA gamma-BHC	2.54	3.09	996.0E6	207.9E6	25.000	25.000
5) MA Heptachlor	2.94	3.57	1036.1E6	201.6E6	25.000	25.000
6) B beta-BHC	2.60	3.15	418.8E6	93857268	25.000	25.000
7) B delta-BHC	2.75	3.47	943.6E6	183.8E6	25.000	25.000
8) MB Aldrin	3.22	3.94	998.9E6	190.1E6	25.000	25.000
9) B Heptachlor Epoxi	3.84	4.65	929.1E6	179.7E6	25.000	25.000
10) B gamma-Chlordane	3.98	4.90	919.3E6	179.5E6	25.000	25.000
11) B alpha-Chlordane	4.14	5.10	898.5E6	173.1E6	25.000	25.000
12) A Endosulfan I	4.30	5.18	915.6E6	164.0E6	25.000	25.000
13) B 4,4'-DDE	4.23	5.35	873.4E6	166.1E6	25.000	25.000
14) MA Dieldrin	4.59	5.58	977.4E6	176.4E6	25.000	25.000
15) MA Endrin	4.89	6.02	897.7E6	157.0E6	25.000	25.000
16) A 4,4'-DDD	5.00	6.22	700.8E6	129.4E6	25.000	25.000
17) B Endosulfan II	5.19	6.35	820.3E6	148.7E6	25.000	25.000
18) MA 4,4'-DDT	5.39	6.72	694.8E6	121.4E6	25.000	25.000
19) B Endrin Aldehyde	5.79	6.88	677.5E6	117.6E6	25.000	25.000
20) B Endosulfan Sulfa	6.44	7.34	675.2E6	119.5E6	25.000	25.000
21) A Methoxychlor	6.15	7.88	336.6E6	63264979	25.000	25.000
22) Mirex	6.26	8.16	621.1E6	112.5E6	25.000	25.000
23) B Endrin Ketone	6.87	8.22	904.5E6	153.5E6	25.000	25.000

(f)=RT Delta &gt; 1/2 Window

1G58362.D 1PST2127.M Tue Nov 02 09:15:07 2010

(m)=manual int.

RPT1

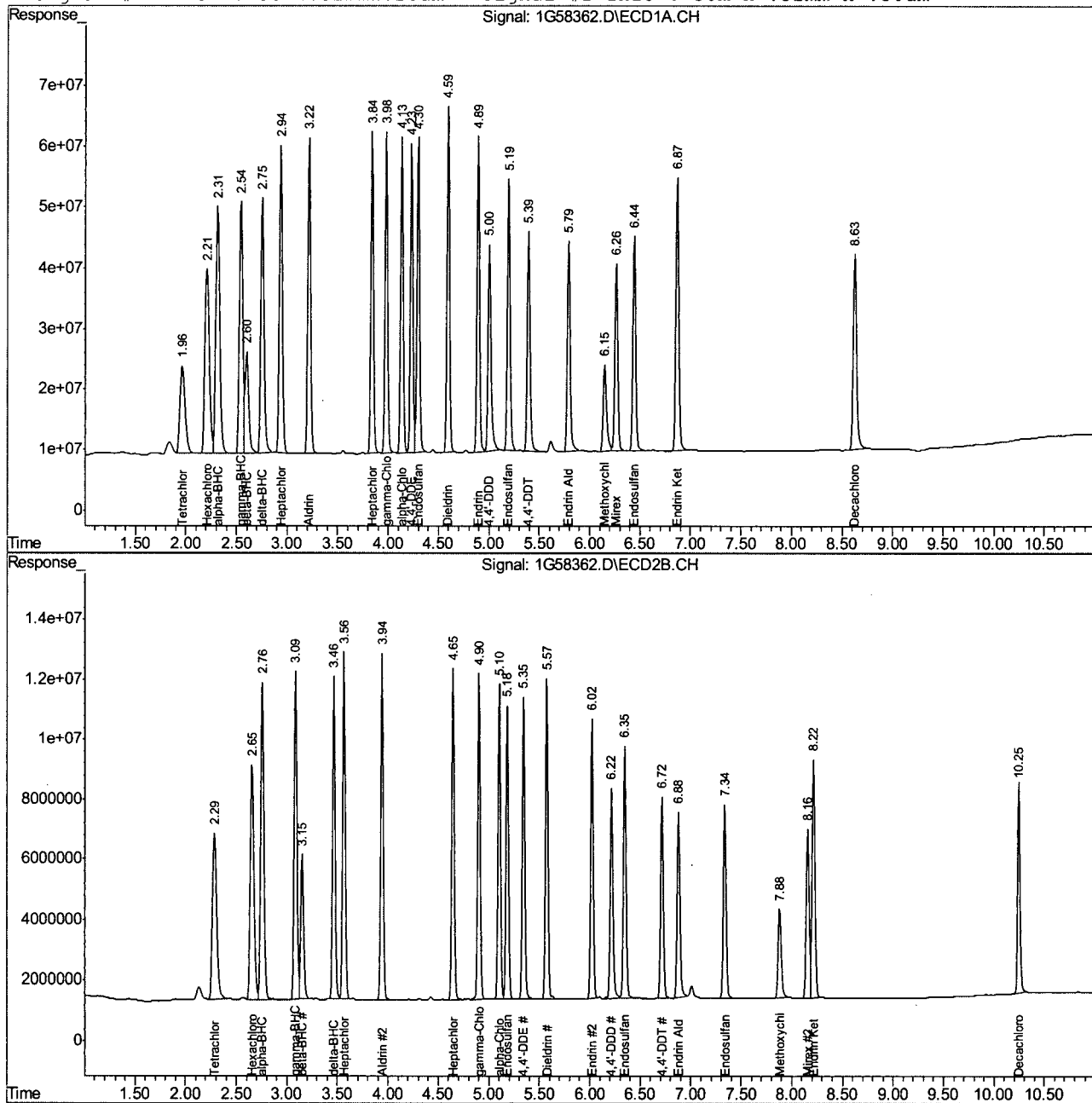


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58362.D\ECD1A.CH Vial: 7  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58362.D\ECD2B.CH  
Acq On : 11-1-10 07:01:15 PM Operator: owenm  
Sample : icc2127-25 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:14:54 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



10.6.5 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58363.D\ECD1A.CH Vial: 8  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58363.D\ECD2B.CH  
 Acq On : 11-1-10 07:16:23 PM Operator: owenm  
 Sample : ic2127-50 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:14:54 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	1021.1E6	321.5E6	49.705	49.781
Spiked Amount	40.000	Range	30 - 150	Recovery	= 124.26%	124.45%
34) SA Decachlorobiphen	8.63	10.25	1565.2E6	212.1E6	52.070	48.031
Spiked Amount	40.000	Range	30 - 150	Recovery	= 130.17%	120.08%
Target Compounds						
2) Hexachlorobenzen	2.21	2.65	1803.9E6	373.1E6	47.159	48.598
3) A alpha-BHC	2.31	2.76	2270.7E6	477.0E6	50.171	52.337
4) MA gamma-BHC	2.54	3.09	1985.0E6	430.9E6	49.827	51.819
5) MA Heptachlor	2.94	3.57	2070.7E6	413.7E6	49.965	51.304
6) B beta-BHC	2.60	3.15	811.1E6	184.8E6	48.416	49.224
7) B delta-BHC	2.75	3.47	1926.3E6	387.2E6	51.037	52.656
8) MB Aldrin	3.22	3.94	1980.7E6	395.4E6	49.572	51.996
9) B Heptachlor Epoxi	3.84	4.65	1858.6E6	366.9E6	50.011	51.057
10) B gamma-Chlordane	3.98	4.90	1857.7E6	366.0E6	50.518	50.979
11) B alpha-Chlordane	4.13	5.11	1784.2E6	350.6E6	49.643	50.642
12) A Endosulfan I	4.30	5.18	1837.3E6	334.4E6	50.166	50.977
13) B 4,4'-DDE	4.23	5.35	1762.0E6	340.1E6	50.435	51.199
14) MA Dieldrin	4.59	5.58	1961.4E6	358.5E6	50.167	50.811
15) MA Endrin	4.89	6.02	1808.5E6	320.8E6	50.361	51.088
16) A 4,4'-DDD	5.00	6.22	1484.2E6	267.1E6	52.943	51.586
17) B Endosulfan II	5.19	6.35	1709.1E6	301.3E6	52.092	50.642
18) MA 4,4'-DDT	5.39	6.72	1478.0E6	252.8E6	53.180	52.088
19) B Endrin Aldehyde	5.79	6.88	1360.5E6	241.1E6	50.204	51.241
20) B Endosulfan Sulfa	6.44	7.34	1390.8E6	241.3E6	51.496	50.465
21) A Methoxychlor	6.15	7.88	676.1E6	124.8E6	50.219	49.319
22) Mirex	6.26	8.16	1188.2E6	215.4E6	47.822	47.859
23) B Endrin Ketone	6.87	8.22	1835.8E6	312.4E6	50.742	50.880

(f)=RT Delta &gt; 1/2 Window

1G58363.D 1PST2127.M

Tue Nov 02 09:15:37 2010

(m)=manual int.

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58363.D\ECD1A.CH Vial: 8  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58363.D\ECD2B.CH  
Acq On : 11-1-10 07:16:23 PM Operator: owenm  
Sample : ic2127-50 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:15 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:14:54 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

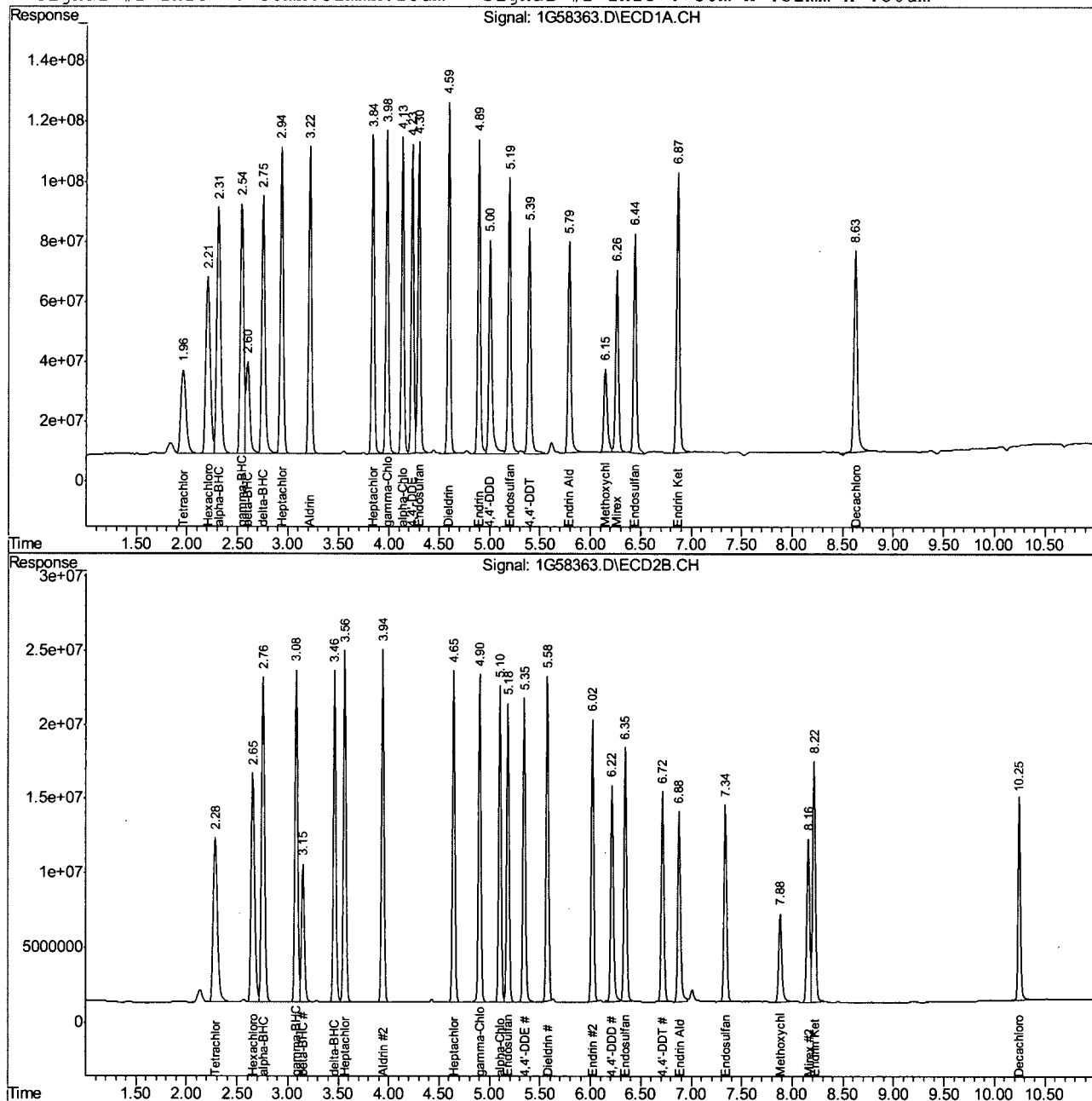
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58363.D 1PST2127.M

Tue Nov 02 09:15:37 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58364.D\ECD1A.CH Vial: 9  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58364.D\ECD2B.CH  
 Acq On : 11-1-10 07:31:31 PM Operator: owenm  
 Sample : ic2127-100 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:15:43 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

1) SAB Tetrachloro-m-xy	1.97	2.29	2449.4E6	801.1E6	119.580	124.309
Spiked Amount	40.000	Range	30 - 150	Recovery	= 298.95%#	310.77%#
34) SA Decachlorobiphen	8.63	10.25	3673.6E6	509.6E6	119.734	117.716
Spiked Amount	40.000	Range	30 - 150	Recovery	= 299.33%#	294.29%#

## Target Compounds

2) Hexachlorobenzen	2.21	2.66	4413.7E6	908.2E6	118.760	119.973
3) A alpha-BHC	2.32	2.76	5845.2E6	1230.3E6	128.929	131.912
4) MA gamma-BHC	2.55	3.09	5054.4E6	1097.1E6	127.091	129.577
5) MA Heptachlor	2.94	3.57	5270.2E6	1054.1E6	127.216	129.048
6) B beta-BHC	2.60	3.15	1956.4E6	457.0E6	118.655	122.666
7) B delta-BHC	2.75	3.47	4940.3E6	995.3E6	129.545	131.867
8) MB Aldrin	3.22	3.94	5004.2E6	1010.4E6	125.783	130.257
9) B Heptachlor Epoxi	3.84	4.65	4639.4E6	933.3E6	124.821	128.518
10) B gamma-Chlordane	3.98	4.90	4666.8E6	932.1E6	126.252	128.581
11) B alpha-Chlordane	4.14	5.11	4482.0E6	887.3E6	125.154	127.346
12) A Endosulfan I	4.30	5.19	4566.0E6	850.7E6	124.468	128.429
13) B 4,4'-DDE	4.23	5.35	4456.5E6	899.9E6	127.012	133.877
14) MA Dieldrin	4.60	5.58	4941.8E6	921.7E6	126.187	129.578
15) MA Endrin	4.89	6.02	4461.6E6	826.5E6	123.797	130.198
16) A 4,4'-DDD	5.00	6.22	3593.7E6	702.4E6	124.527	133.538
17) B Endosulfan II	5.20	6.35	4077.9E6	779.5E6	121.740	130.182
18) MA 4,4'-DDT	5.39	6.72	3529.2E6	660.0E6	123.073	133.177
19) B Endrin Aldehyde	5.79	6.88	3369.8E6	615.2E6	124.091	129.146
20) B Endosulfan Sulfa	6.44	7.34	3338.2E6	610.7E6	121.781	127.132
21) A Methoxychlor	6.15	7.88	1554.9E6	305.0E6	115.236	121.336
22) Mirex	6.27	8.16	2803.9E6	515.7E6	115.365	117.122
23) B Endrin Ketone	6.87	8.22	4477.3E6	790.3E6	122.840	127.586

(f)=RT Delta &gt; 1/2 Window

1G58364.D 1PST2127.M Tue Nov 02 09:16:15 2010

(m)=manual int.

RPT1.

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58364.D\ECD1A.CH Vial: 9  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58364.D\ECD2B.CH  
Acq On : 11-1-10 07:31:31 PM Operator: owenm  
Sample : ic2127-100 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:16 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:15:43 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

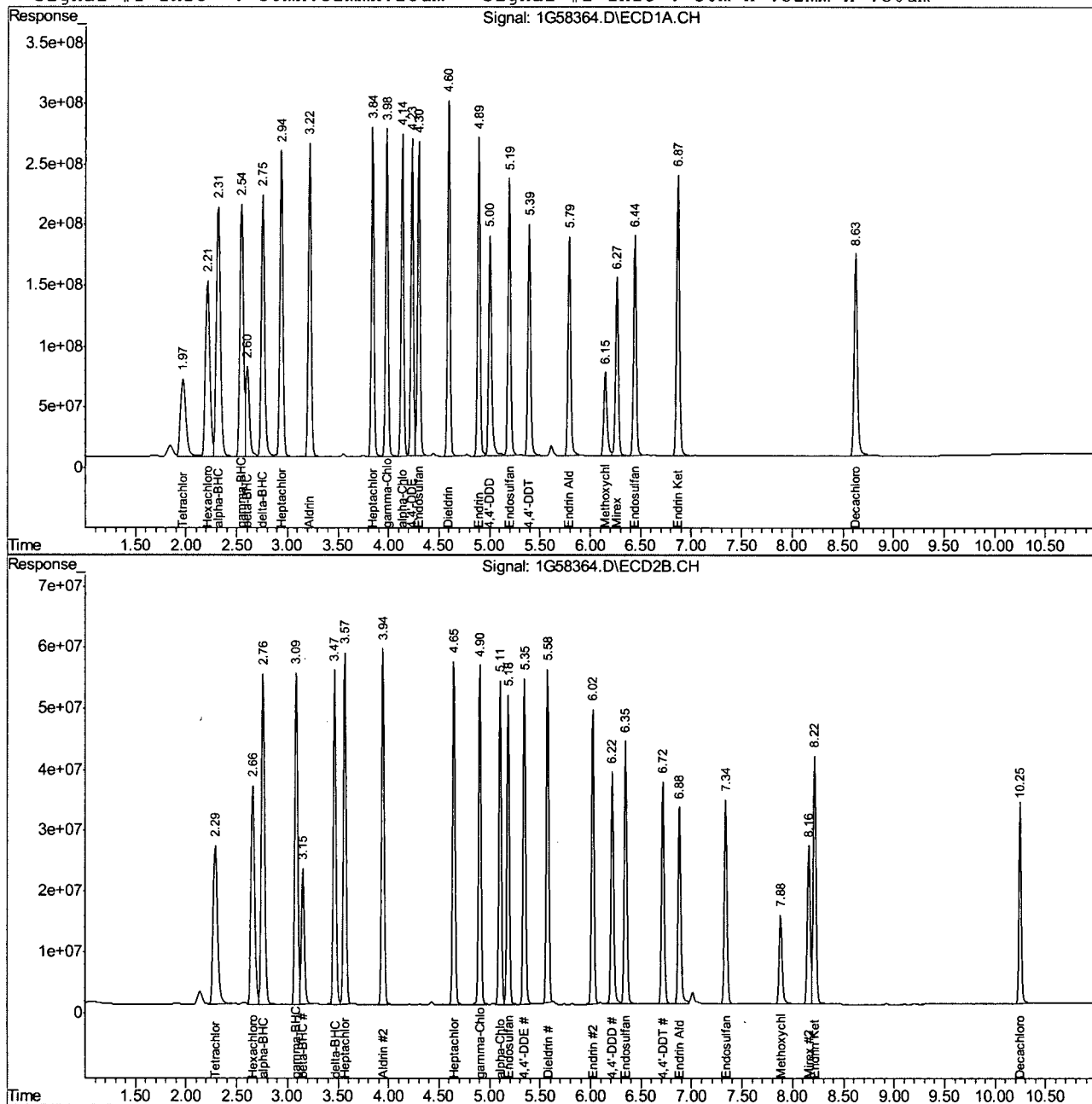
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um

10.6.7  
10

## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1G2127\1G58368.D\ECD1A.CH Vial: 13  
 Acq On : 11-1-10 08:31:53 PM Operator: owenm  
 Sample : ic2127-500 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile : autoint1.e

Data File : C:\MSDCHEM\1\DATA\1G2127\1G58368.D\ECD2B.CH Vial: 13  
 Acq On : 11-1-10 08:31:52 PM Operator: owenm  
 Sample : ic2127-500 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile : autoint2.e

Quant Time: Nov 2 9:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:23:57 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	996.9E6	328.0E6	46.489	49.533
Spiked Amount	40.000	Range	30 - 150	Recovery	= 116.22%	123.83%
34) SA Decachlorobiphen	8.63	10.25	1561.2E6	221.2E6	46.844	46.233
Spiked Amount	40.000	Range	30 - 150	Recovery	= 117.11%	115.58%
Target Compounds						
24) L8 Toxaphene{A}	4.71	5.54	231.6E6	64302267	500.000	500.000
25) L8 Toxaphene{B}	4.93	6.33	470.6E6	73951489	500.000	500.000
26) L8 Toxaphene{C}	5.18	6.49	630.5E6	126.8E6	500.000	500.000
27) L8 Toxaphene{D}	5.67	6.91	421.4E6	70944274	500.000	500.000
28) L8 Toxaphene{E}	6.28	7.74	310.5E6	48613263	500.000	500.000

10.6.8 10

(f)=RT Delta > 1/2 Window

1G58368.D 1PST2127.M Tue Nov 02 10:07:51 2010

(m)=manual int.

RPT1

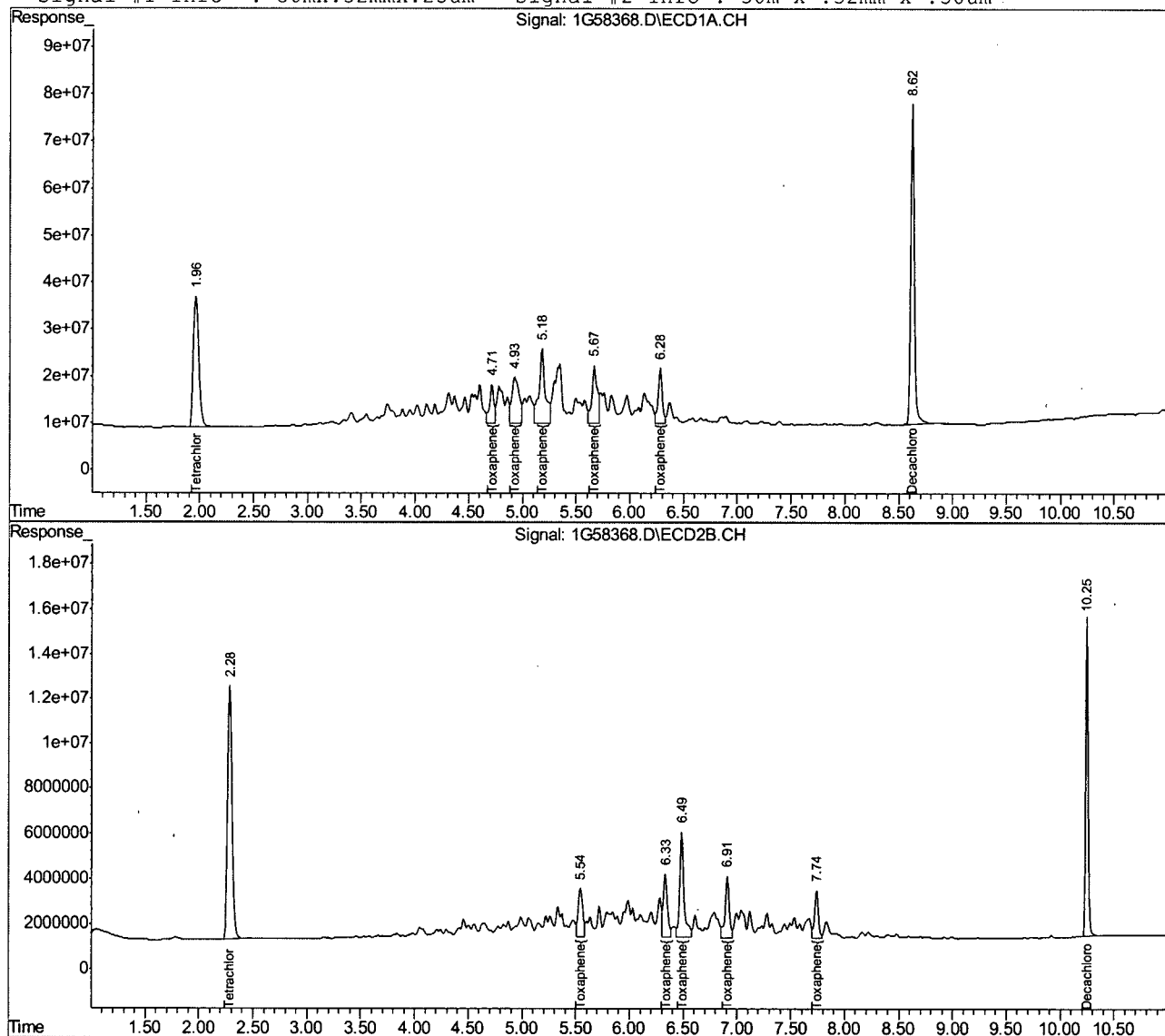
## Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\1G2127\1G58368.D\ECD1A.CH Vial: 13  
Acq On : 11-1-10 08:31:53 PM Operator: owenm  
Sample : ic2127-500 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile : autoint1.e

Data File : C:\MSDCHEM\1\DATA\1G2127\1G58368.D\ECD2B.CH Vial: 13  
Acq On : 11-1-10 08:31:52 PM Operator: owenm  
Sample : ic2127-500 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile : autoint2.e  
Quant Time: Nov 2 9:24 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:23:57 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD1A.CH Vial: 14  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD2B.CH  
 Acq On : 11-1-10 08:46:58 PM Operator: owenm  
 Sample : ic2127-500 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:25:11 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	1370.6E6	433.5E6	60.900	62.660
Spiked Amount	40.000	Range	30 - 150	Recovery	= 152.25%#	156.65%#
34) SA Decachlorobiphen	8.63	10.25	1933.5E6	276.8E6	56.434	56.491
Spiked Amount	40.000	Range	30 - 150	Recovery	= 141.08%	141.23%
Target Compounds						
29) Chlordane {A}	2.93	3.56	876.1E6	183.0E6	501.615	514.213
30) Chlordane {B}	3.34	4.10	633.5E6	131.9E6	506.656	519.279
31) Chlordane {C}	3.98	4.90	2211.0E6	423.9E6	515.510	523.390
32) Chlordane {D}	4.13	5.10	3540.9E6	702.1E6	518.046	506.446m
33) Chlordane {E}	5.10	6.43	532.5E6	102.7E6	503.017	501.992

10.6.9  
10

(f)=RT Delta > 1/2 Window  
 1G58369.D 1PST2127.M

Tue Nov 02 10:07:58 2010

(m)=manual int.  
 RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD1A.CH Vial: 14  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD2B.CH  
Acq On : 11-1-10 08:46:58 PM Operator: owenm  
Sample : ic2127-500 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:25 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:25:11 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

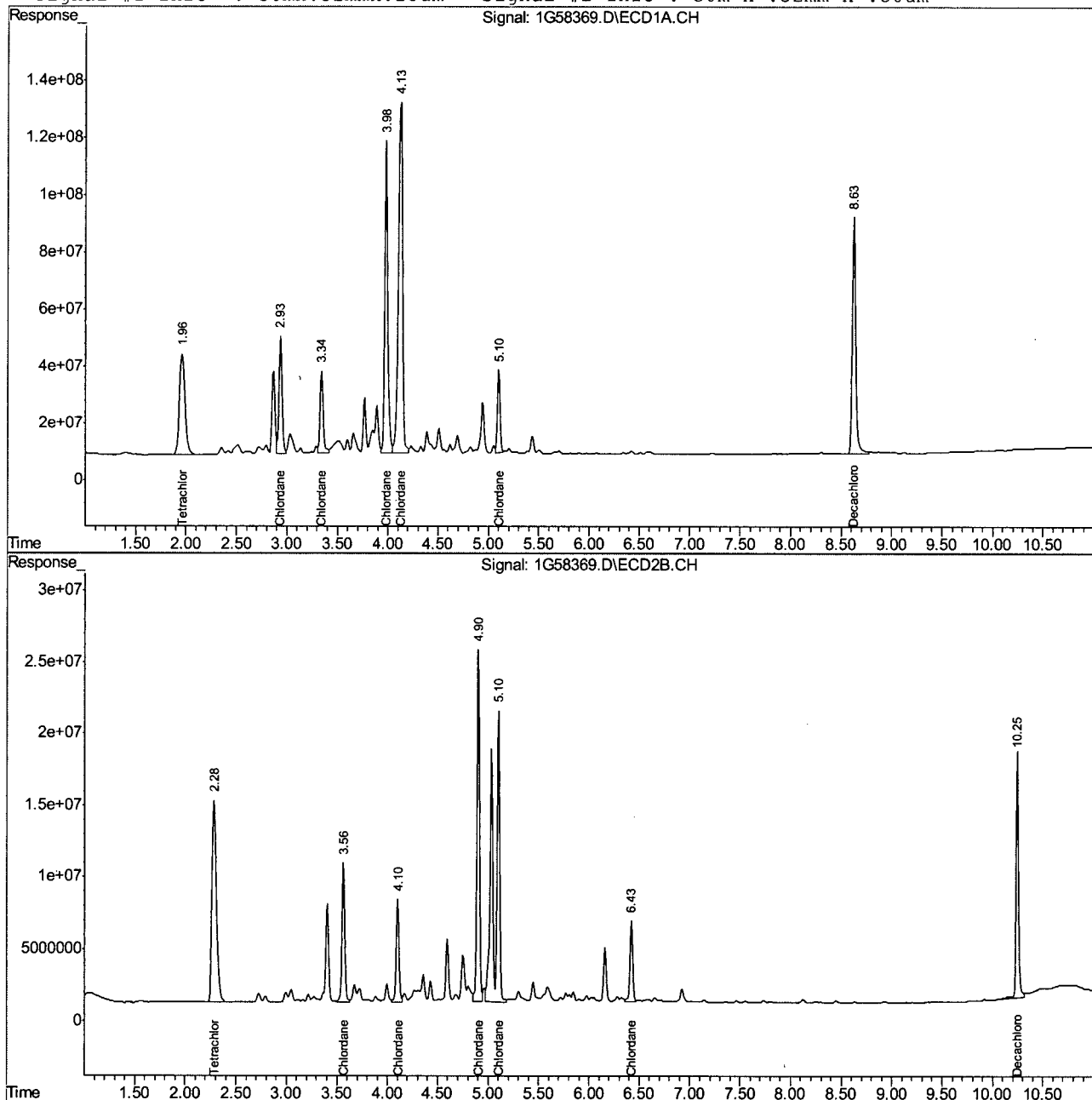
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58369.D 1PST2127.M

Tue Nov 02 10:07:58 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G1G2127-IC2127

**Method:** SW846 8081A

**Lab FileID:** 1G58369.D

**Analyst approved:** 11/02/10 10:18 Owen McKenna

**Injection Time:** 11/01/10 20:46

**Supervisor approved:** 11/02/10 14:47 Cheng-Hwan Ao

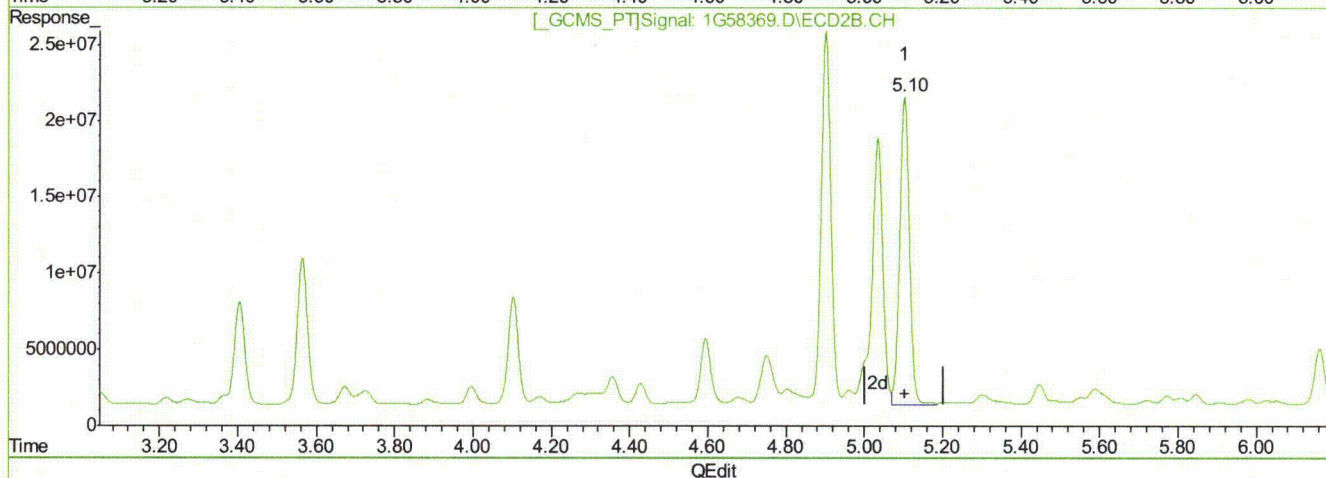
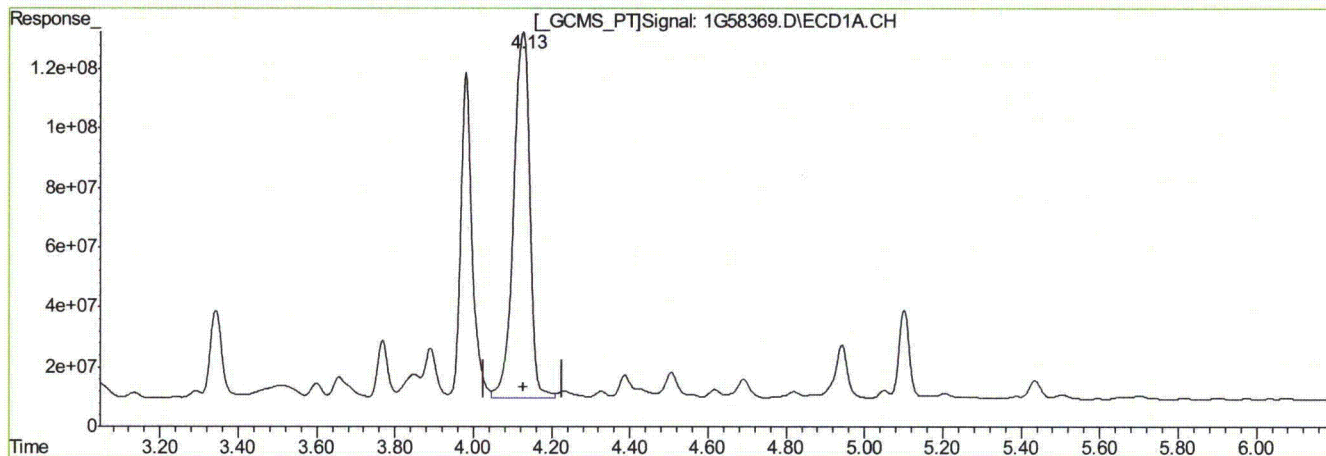
Parameter	CAS	Sig#	R. T. (min.)	Reason
Chlordane-D		2	5.10	Split peak

10.6.9.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD1A.CH Vial: 14  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD2B.CH  
Acq On : 11-1-10 08:46:58 PM Operator: owenm  
Sample : icv2127-500 Inst : GC1G  
Misc : op46373,g1g2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:25 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:25:11 2010  
Response via : Multiple Level Calibration



(32) Chlordane {D}  
4.13min 518.046PPB  
response 3540883179

(32) Chlordane {D} #2  
5.10min 253.712PPB  
response 351745278

(+) = Expected Retention Time

1G58369.D 1PST2127.M

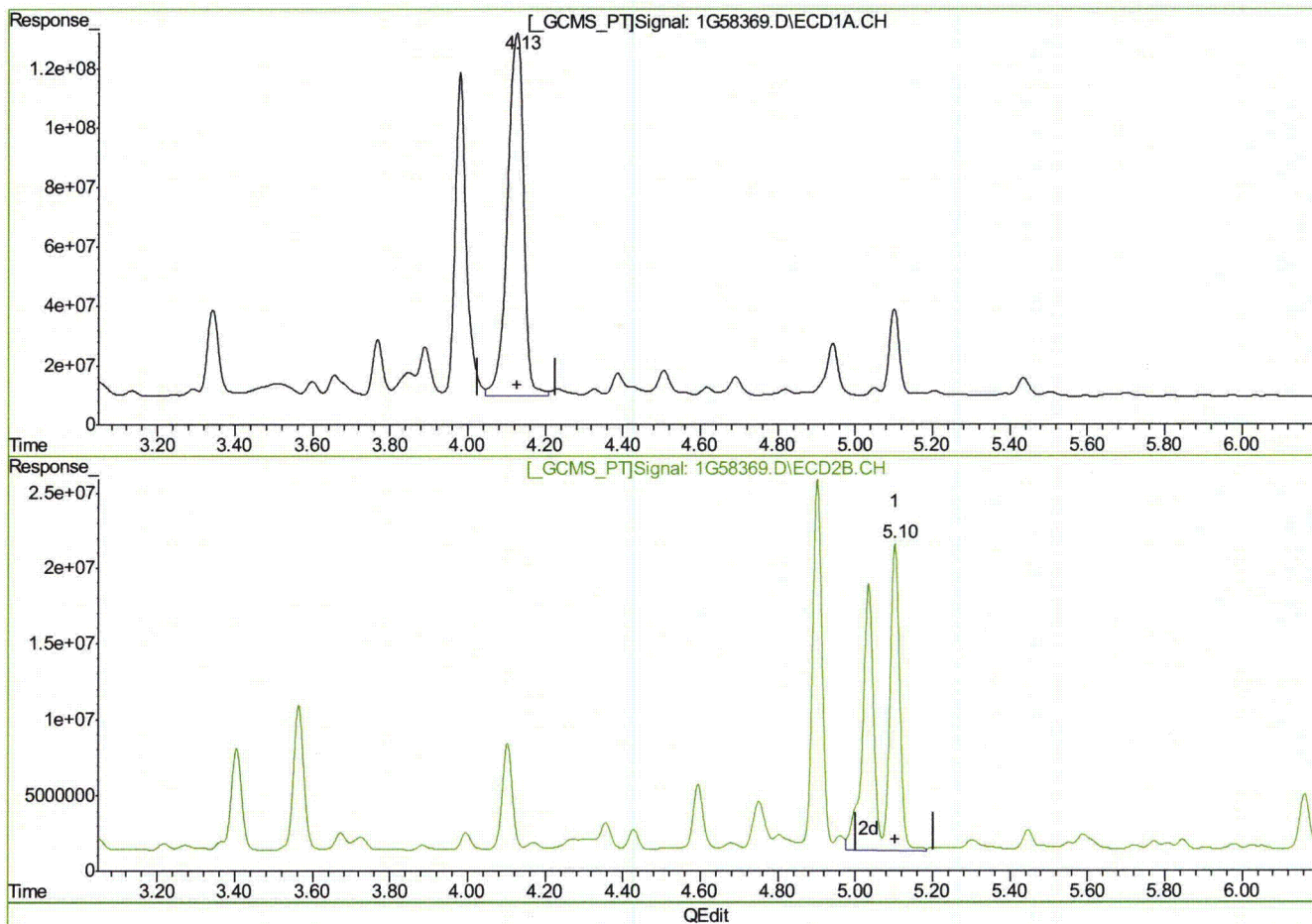
Tue Nov 02 09:25:44 2010

RPT1

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD1A.CH Vial: 14  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58369.D\ECD2B.CH  
Acq On : 11-1-10 08:46:58 PM Operator: owenm  
Sample : icv2127-500 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:25 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:25:11 2010  
Response via : Multiple Level Calibration



(32) Chlordane {D}  
4.13min 518.046PPB  
response 3540883179

(32) Chlordane {D} #2  
5.10min 506.446PPB m  
response 702135832

(+) = Expected Retention Time

1G58369.D 1PST2127.M

Tue Nov 02 09:25:53 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58367.D\ECD1A.CH Vial: 12  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58367.D\ECD2B.CH  
 Acq On : 11-1-10 08:16:45 PM Operator: owenm  
 Sample : icv2127-25 Inst : GC1G  
 Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

## Target Compounds

3) A	alpha-BHC	2.31	2.76	1101.6E6	229.4E6	23.966	24.972
4) MA	gamma-BHC	2.54	3.08	994.3E6	211.5E6	24.039	24.997
5) MA	Heptachlor	2.94	3.57	1011.3E6	202.8E6	23.689	24.748
6) B	beta-BHC	2.60	3.15	417.1E6	97449431	23.696	24.838
7) B	delta-BHC	2.75	3.47	944.2E6	188.1E6	24.357	25.013
8) MB	Aldrin	3.22	3.94	978.0E6	192.6E6	23.950	24.560
9) B	Heptachlor Epoxi	3.84	4.65	919.3E6	182.3E6	23.786	24.925
10) B	gamma-Chlordane	3.98	4.90	913.7E6	182.1E6	23.911	24.192
11) B	alpha-Chlordane	4.13	5.10	888.4E6	176.0E6	23.854	24.689
12) A	Endosulfan I	4.30	5.18	922.8E6	166.6E6	23.736	24.870
13) B	4,4'-DDE	4.23	5.35	859.3E6	168.8E6	23.361	25.257
14) MA	Dieldrin	4.59	5.57	969.5E6	177.8E6	24.031	25.404
15) MA	Endrin	4.89	6.02	907.7E6	163.0E6	23.977	25.533
16) A	4,4'-DDD	5.00	6.22	716.5E6	130.4E6	24.692	25.386
17) B	Endosulfan II	5.19	6.35	837.0E6	153.1E6	24.330	24.434
18) MA	4,4'-DDT	5.39	6.72	668.5E6	118.1E6	23.751	24.635
19) B	Endrin Aldehyde	5.79	6.88	672.2E6	118.7E6	23.168	23.215
20) B	Endosulfan Sulfa	6.44	7.34	672.3E6	121.2E6	23.434	23.890
21) A	Methoxychlor	6.15	7.88	329.8E6	63951103	23.742	23.565
23) B	Endrin Ketone	6.87	8.22	856.1E6	148.2E6	22.610	23.294

10.6.10 10

(f)=RT Delta > 1/2 Window  
 1G58367.D 1PST2127.M

Tue Nov 02 09:26:59 2010

(m)=manual int.  
 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58367.D\ECD1A.CH Vial: 12  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58367.D\ECD2B.CH  
Acq On : 11-1-10 08:16:45 PM Operator: owenm  
Sample : icv2127-25 Inst : GC1G  
Misc : op46373,glg2127,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:26 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

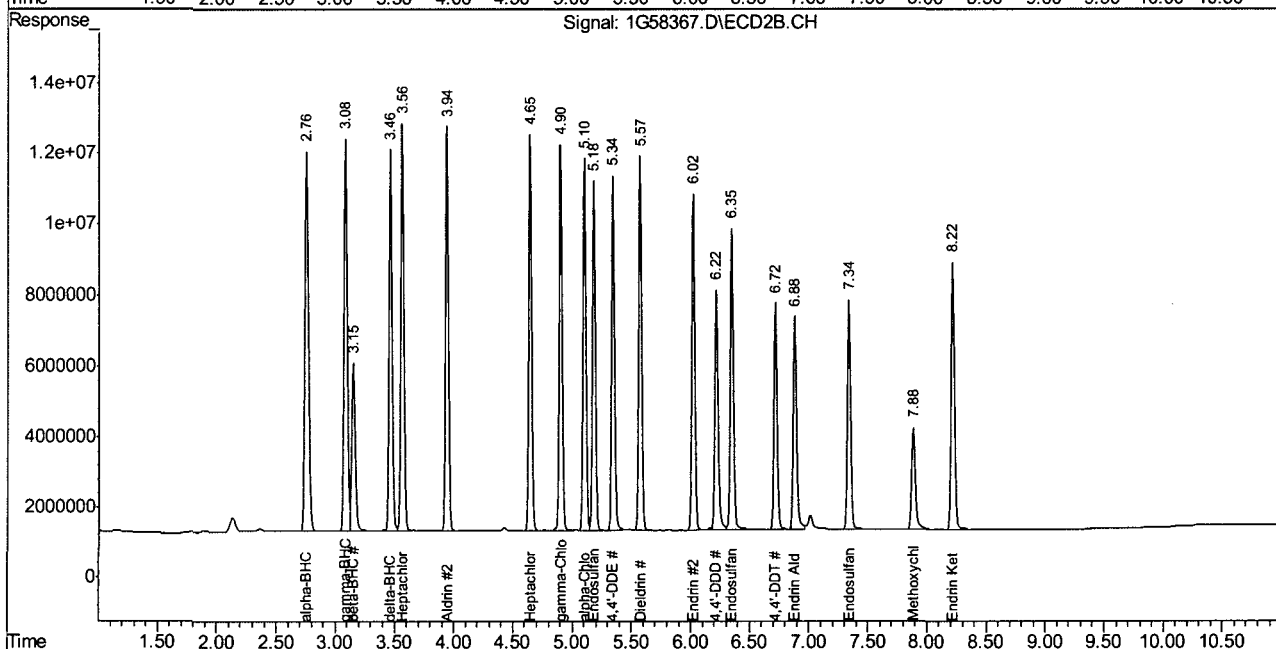
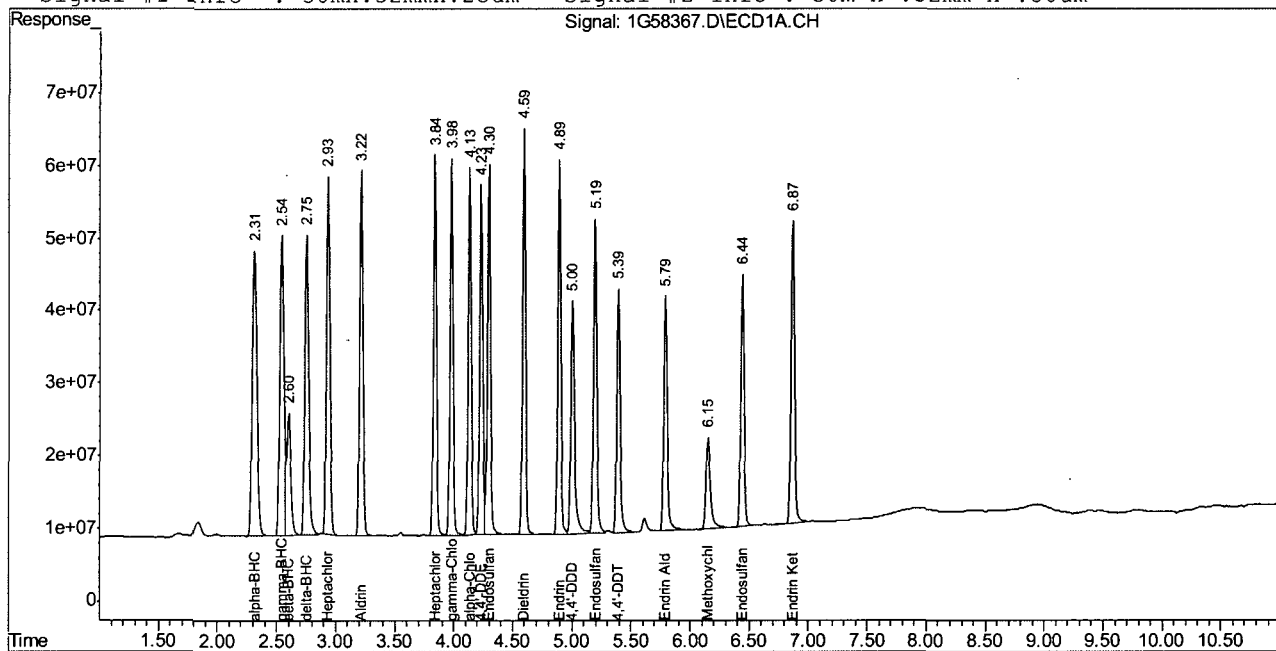
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58367.D 1PST2127.M

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RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58370.D\ECD1A.CH Vial: 15  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58370.D\ECD2B.CH  
 Acq On : 11-1-10 09:02:05 PM Operator: owenm  
 Sample : cc2127-10 Inst : GC1G  
 Misc : op46373,glg2128,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 9:28 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	226.2E6	68310304	10.516	10.346
Spiked Amount	40.000	Range	30 - 150	Recovery =	26.29%#	25.86%#
34) SA Decachlorobiphen	8.63	10.25	359.1E6	48241993	10.772	10.139
Spiked Amount	40.000	Range	30 - 150	Recovery =	26.93%#	25.35%#
Target Compounds						
2) Hexachlorobenzen	2.20	2.65	409.0E6	82979517	9.926	10.102
3) A alpha-BHC	2.31	2.76	460.9E6	88264883	10.026	9.608
4) MA gamma-BHC	2.54	3.08	407.6E6	82177938	9.854	9.712
5) MA Heptachlor	2.93	3.56	422.3E6	78832956	9.892	9.622
6) B beta-BHC	2.60	3.15	176.2E6	39362876	10.013	10.033
7) B delta-BHC	2.75	3.46	364.4E6	67288478	9.401	8.948
8) MB Aldrin	3.22	3.94	411.2E6	75133041	10.069	9.580
9) B Heptachlor Epoxi	3.84	4.65	388.4E6	72921244	10.049	9.967
10) B gamma-Chlordane	3.98	4.90	385.9E6	74009272	10.099	9.833
11) B alpha-Chlordane	4.13	5.10	376.0E6	71428655	10.096	10.022
12) A Endosulfan I	4.30	5.18	394.5E6	66944332	10.148	9.995
13) B 4,4'-DDE	4.23	5.34	354.4E6	65432396	9.634	9.792
14) MA Dieldrin	4.59	5.57	408.0E6	70645363	10.113	10.095
15) MA Endrin	4.89	6.02	361.4E6	60648691	9.546	9.500
16) A 4,4'-DDD	5.00	6.22	295.4E6	51622179	10.182	10.053
17) B Endosulfan II	5.19	6.35	354.1E6	61484225	10.292	9.810
18) MA 4,4'-DDT	5.39	6.72	262.4E6	44815468	9.323	9.351
19) B Endrin Aldehyde	5.79	6.88	288.2E6	50900703	9.934	9.957
20) B Endosulfan Sulfa	6.44	7.34	265.5E6	46898166	9.254	9.242
21) A Methoxychlor	6.15	7.88	127.0E6	25210445	9.139	9.290
22) Mirex	6.26	8.16	270.1E6	50943863	10.015	10.377
23) B Endrin Ketone	6.87	8.22	383.6E6	63655701	10.131	10.008

(f)=RT Delta &gt; 1/2 Window

1G58370.D 1PST2127.M

Tue Nov 02 09:28:45 2010

(m)=manual int.

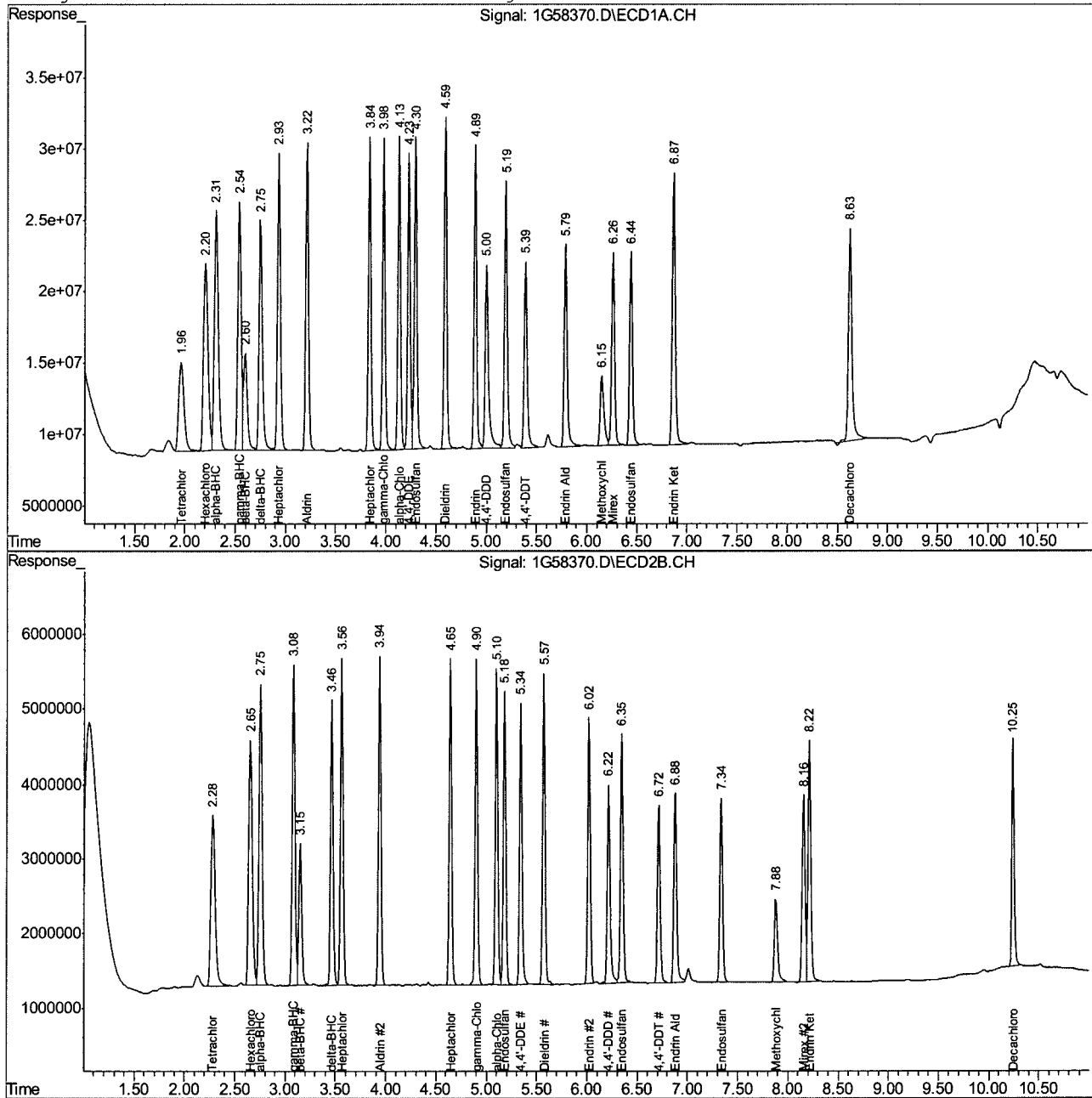
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58370.D\ECD1A.CH Vial: 15  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58370.D\ECD2B.CH  
Acq On : 11-1-10 09:02:05 PM Operator: owenm  
Sample : cc2127-10 Inst : GC1G  
Misc : op46373,glg2128,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 9:28 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58370.D 1PST2127.M

Tue Nov 02 09:28:46 2010

RPT1

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58381.D\ECD1A.CH Vial: 26  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58381.D\ECD2B.CH  
 Acq On : 01 Nov 2010 11:48 pm Operator: owenm  
 Sample : cc2127-25 Inst : GC1G  
 Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:08 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	531.4E6	171.5E6	24.700	25.975
Spiked Amount	40.000	Range	30 - 150	Recovery	=	61.75% 64.94%
34) SA Decachlorobiphen	8.63	10.25	923.0E6	116.5E6	27.686	24.490
Spiked Amount	40.000	Range	30 - 150	Recovery	=	69.22% 61.22%
Target Compounds						
2) Hexachlorobenzen	2.21	2.65	971.9E6	201.2E6	23.587	24.492
3) A alpha-BHC	2.31	2.76	1155.5E6	240.9E6	25.139	26.220
4) MA gamma-BHC	2.54	3.09	1009.3E6	219.3E6	24.402	25.918
5) MA Heptachlor	2.94	3.56	1037.5E6	208.6E6	24.303	25.466
6) B beta-BHC	2.60	3.15	423.6E6	97095515	24.067	24.748
7) B delta-BHC	2.75	3.47	934.8E6	185.1E6	24.114	24.612
8) MB Aldrin	3.22	3.94	995.9E6	202.0E6	24.388	25.757
9) B Heptachlor Epoxi	3.84	4.65	923.2E6	192.3E6	23.885	26.281
10) B gamma-Chlordane	3.98	4.90	917.8E6	193.4E6	24.016	25.695
11) B alpha-Chlordane	4.13	5.10	892.6E6	186.4E6	23.967	26.158
12) A Endosulfan I	4.30	5.18	936.5E6	175.7E6	24.089	26.233
13) B 4,4'-DDE	4.23	5.34	855.2E6	177.9E6	23.248	26.617
14) MA Dieldrin	4.59	5.57	978.3E6	185.9E6	24.248	26.560
15) MA Endrin	4.89	6.02	833.0E6	158.0E6	22.004	24.743
16) A 4,4'-DDD	5.00	6.22	684.5E6	135.9E6	23.591	26.473
17) B Endosulfan II	5.19	6.35	812.0E6	161.4E6	23.603	25.753
18) MA 4,4'-DDT	5.39	6.72	661.7E6	126.0E6	23.512	26.298
19) B Endrin Aldehyde	5.79	6.88	698.5E6	130.1E6	24.073	25.445
20) B Endosulfan Sulfa	6.44	7.34	655.2E6	121.2E6	22.839	23.891
21) A Methoxychlor	6.15	7.88	302.5E6	64556684	21.775	23.788
22) Mirex	6.26	8.16	636.2E6	123.0E6	23.591	25.054
23) B Endrin Ketone	6.87	8.22	890.7E6	166.3E6	23.524	26.148

(f)=RT Delta &gt; 1/2 Window

1G58381.D 1PST2127.M

Tue Nov 02 10:09:18 2010

(m)=manual int.

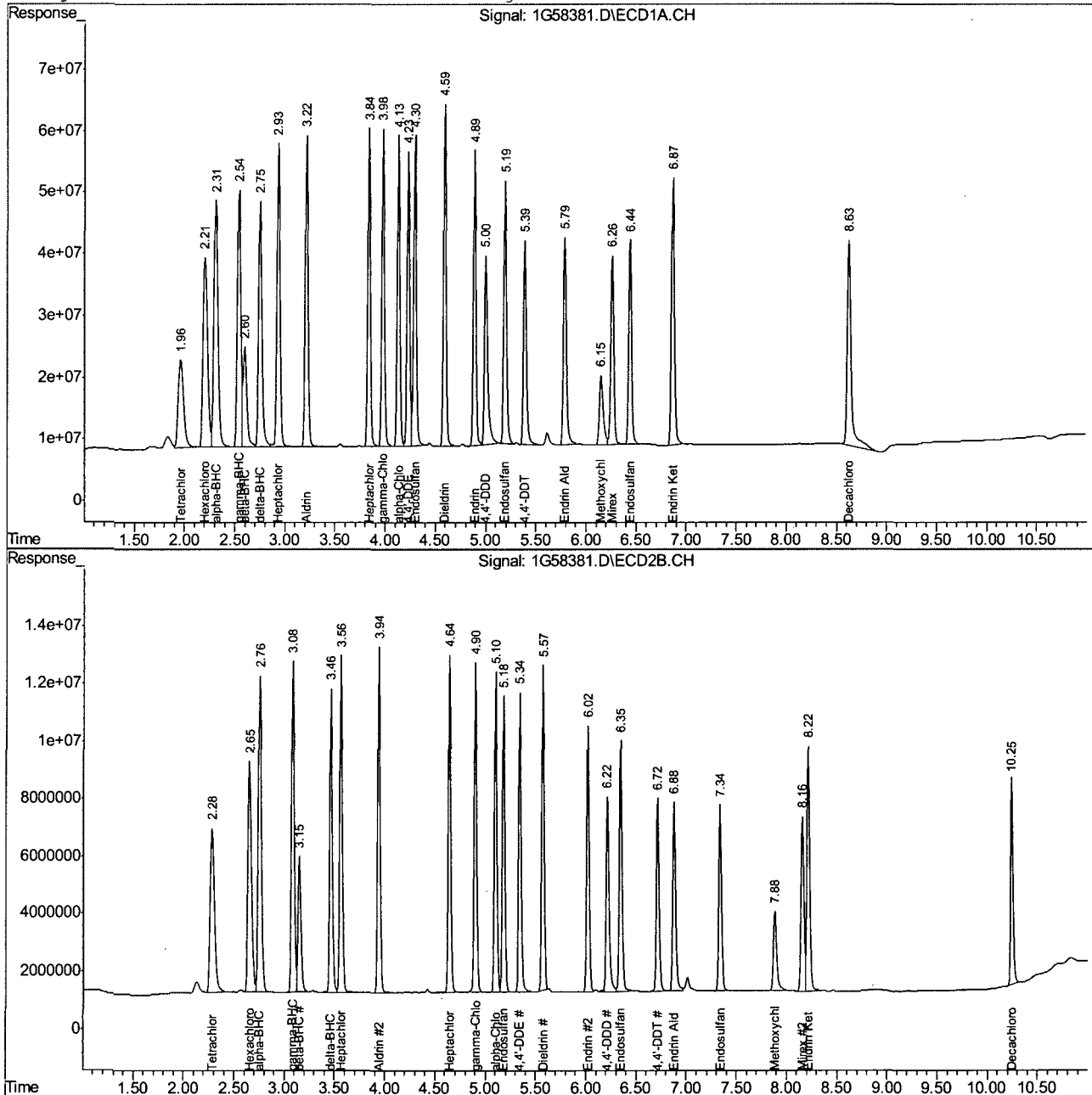
RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58381.D\ECD1A.CH Vial: 26  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58381.D\ECD2B.CH  
Acq On : 01 Nov 2010 11:48 pm Operator: owenm  
Sample : cc2127-25 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:08 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58381.D 1PST2127.M

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RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD1A.CH Vial: 37  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD2B.CH  
 Acq On : 11-2-10 02:34:36 AM Operator: owenm  
 Sample : cc2127-10 Inst : GC1G  
 Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:10 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	231.7E6	70936340	10.772	10.744
Spiked Amount	40.000	Range	30 - 150	Recovery	=	26.93%# 26.86%#
34) SA Decachlorobiphen	8.63	10.25	366.4E6	52569446	10.991m	11.049
Spiked Amount	40.000	Range	30 - 150	Recovery	=	27.48%# 27.62%#
Target Compounds						
2) Hexachlorobenzen	2.20	2.65	419.5E6	85935130	10.180	10.461
3) A alpha-BHC	2.31	2.75	475.7E6	92692685	10.348	10.090
4) MA gamma-BHC	2.54	3.08	416.7E6	85238357	10.075	10.074
5) MA Heptachlor	2.93	3.56	416.5E6	80070100	9.756	9.773
6) B beta-BHC	2.60	3.15	179.3E6	40879813	10.184	10.419
7) B delta-BHC	2.75	3.46	391.6E6	72334076	10.102	9.619
8) MB Aldrin	3.22	3.94	418.8E6	78668528	10.254	10.030
9) B Heptachlor Epoxi	3.84	4.64	388.9E6	76895051	10.063	10.511
10) B gamma-Chlordane	3.98	4.90	386.1E6	78685126	10.104	10.454
11) B alpha-Chlordane	4.13	5.10	370.9E6	76187066	9.958	10.690
12) A Endosulfan I	4.30	5.18	401.3E6	71349038	10.323	10.652
13) B 4,4'-DDE	4.23	5.34	351.7E6	69082410	9.561	10.338
14) MA Dieldrin	4.59	5.57	412.6E6	75390434	10.226	10.774
15) MA Endrin	4.89	6.02	346.8E6	60903581	9.161	9.540
16) A 4,4'-DDD	5.00	6.22	277.5E6	53951989	9.563	10.507
17) B Endosulfan II	5.19	6.35	350.5E6	65887423	10.188	10.513
18) MA 4,4'-DDT	5.39	6.72	242.6E6	46954346	8.621	9.797
19) B Endrin Aldehyde	5.79	6.88	299.1E6	55912612	10.309	10.938
20) B Endosulfan Sulfa	6.44	7.34	274.0E6	50249399	9.550	9.902
21) A Methoxychlor	6.15	7.88	121.6E6	26149560	8.751	9.636
22) Mirex	6.26	8.16	278.0E6	54957352	10.308	11.194
23) B Endrin Ketone	6.87	8.22	390.0E6	68887138	10.299	10.831

(f)=RT Delta > 1/2 Window  
 1G58392.D 1PST2127.M

Tue Nov 02 10:10:28 2010

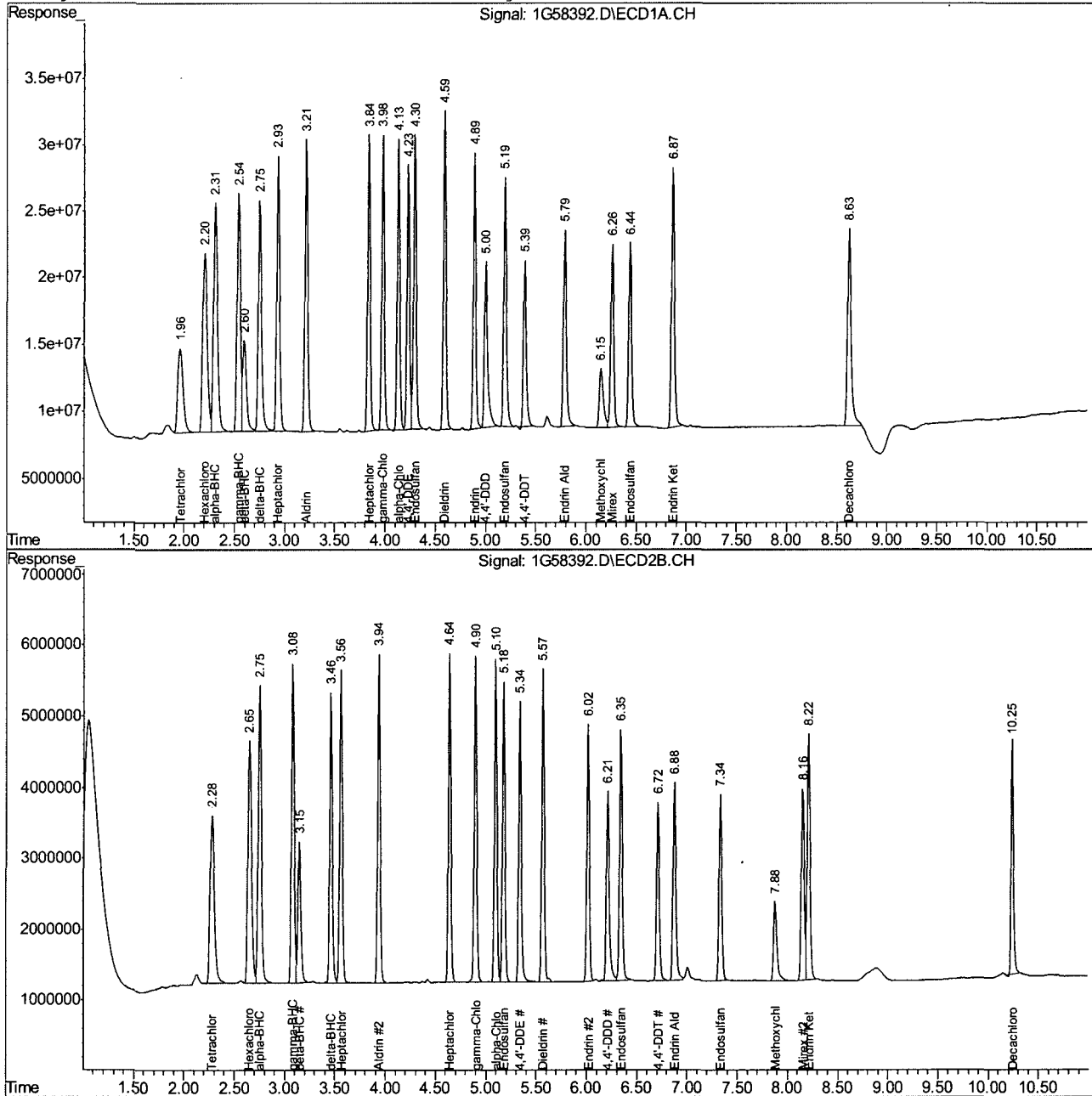
(m)=manual int.  
 RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD1A.CH Vial: 37  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD2B.CH  
Acq On : 11-2-10 02:34:36 AM Operator: owenm  
Sample : cc2127-10 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:10 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um



1G58392.D 1PST2127.M

Tue Nov 02 10:10:28 2010

RPT1

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G1G2128-CC2127      **Method:** SW846 8081A  
**Lab FileID:** 1G58392.D      **Analyst approved:** 11/02/10 10:31 Owen McKenna  
**Injection Time:** 11/02/10 02:34      **Supervisor approved:** 11/02/10 14:49 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
Decachlorobiphenyl	2051-24-3	1	8.63	Poorly defined baseline

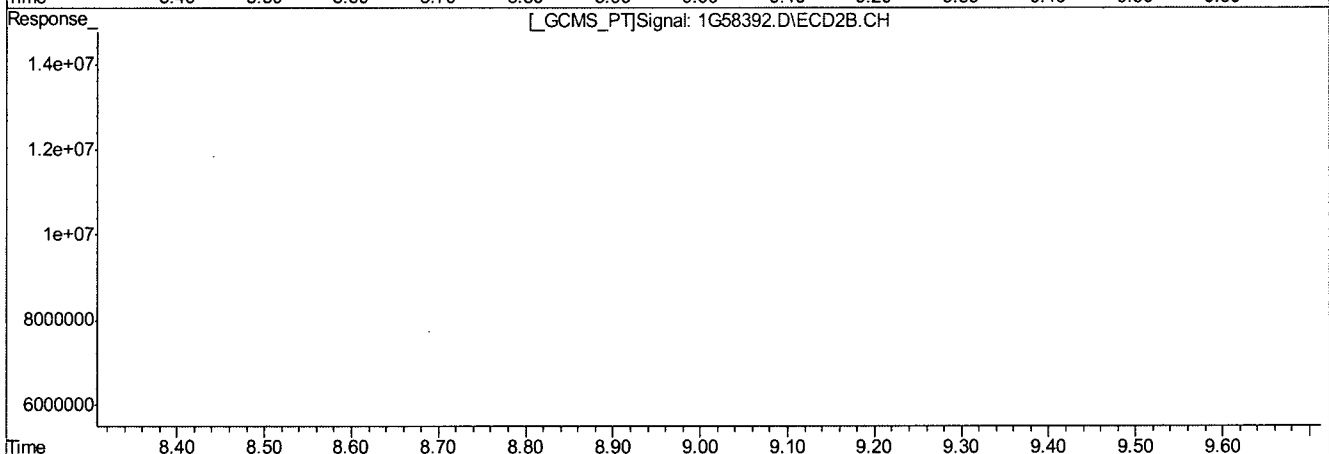
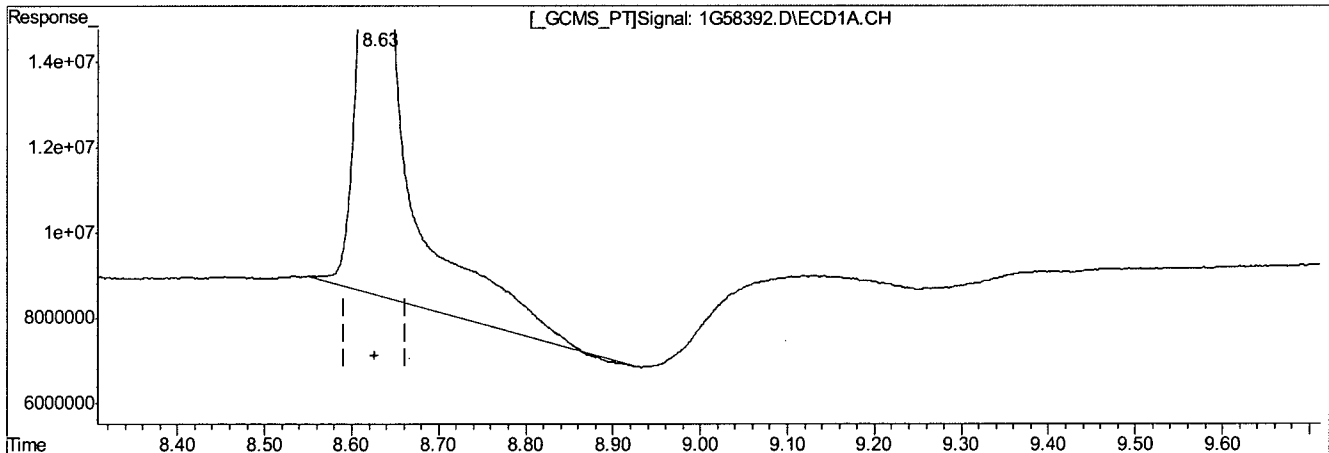
10.6.13.1

10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD1A.CH Vial: 37  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD2B.CH  
Acq On : 11-2-10 02:34:36 AM Operator: owenm  
Sample : cc2127-10 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:09 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



QEdit

(34) Decachlorobiphenyl (SA)

8.63min 14.142PPB

response 471490306

(34) Decachlorobiphenyl #2 (SA)

10.25min 11.049PPB

response 52569446

(+) = Expected Retention Time

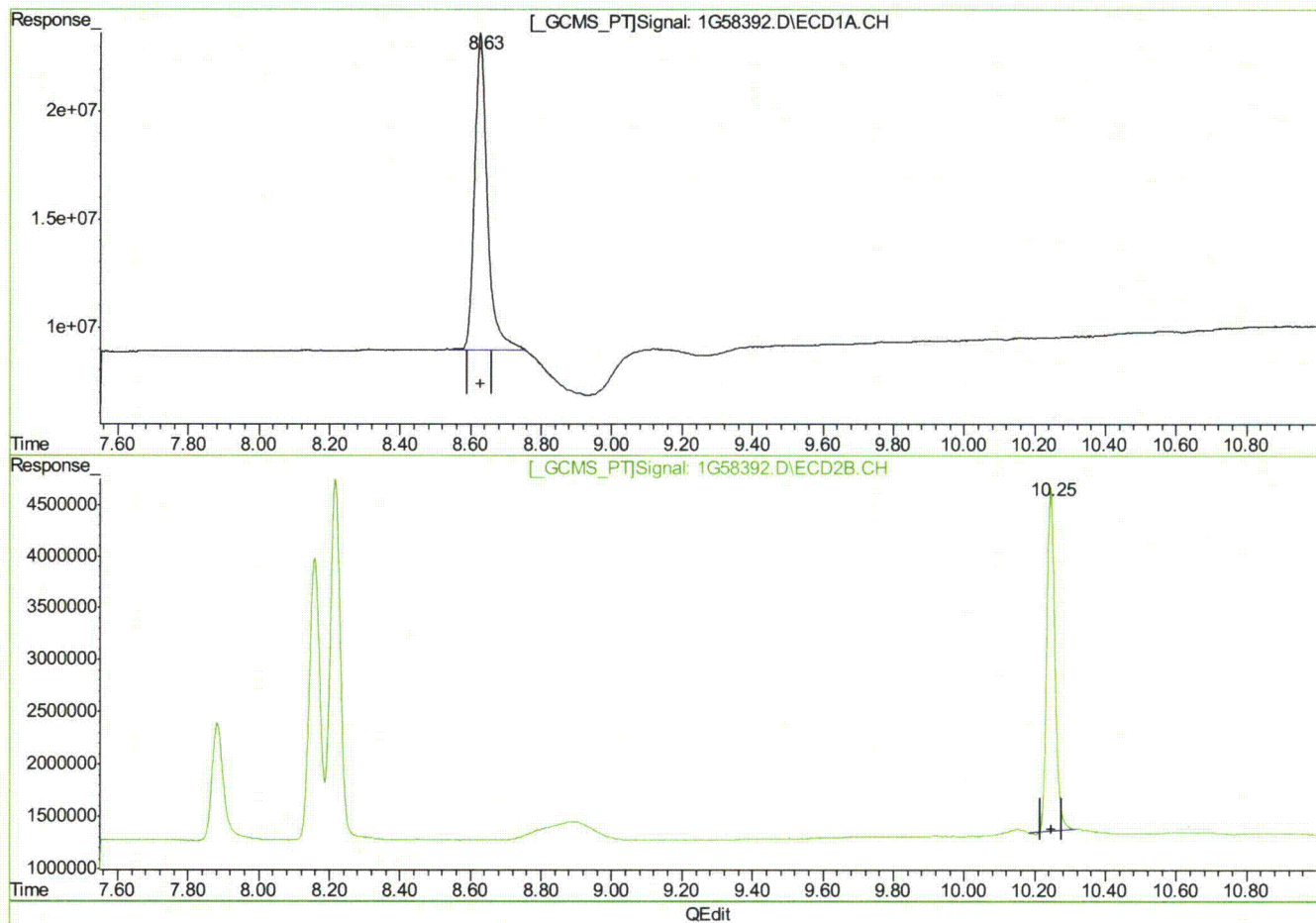
1G58392.D 1PST2127.M Tue Nov 02 10:10:04 2010

RPT1

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD1A.CH Vial: 37  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58392.D\ECD2B.CH  
Acq On : 11-2-10 02:34:36 AM Operator: owenm  
Sample : cc2127-10 Inst : GC1G  
Misc : op46352,g1g2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:09 2010 Quant Results File: 1PST2127.RES

Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration



(34) Decachlorobiphenyl (SA)

8.63min 10.991PPB m

response 366443398

(34) Decachlorobiphenyl #2 (SA)

10.25min 11.049PPB

response 52569446

(+) = Expected Retention Time

1G58392.D 1PST2127.M Tue Nov 02 10:10:08 2010

RPT1

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58400.D\ECD1A.CH Vial: 45  
 Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58400.D\ECD2B.CH  
 Acq On : 11-2-10 04:50:33 AM Operator: owenm  
 Sample : ecc2127-25 Inst : GC1G  
 Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
 Quant Time: Nov 2 10:11 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
 Title : PEST/PCB  
 Last Update : Tue Nov 02 09:26:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : 1PST2127.M

Volume Inj. : 1ul/column  
 Signal #1 Phase : RTXCLP II Signal #2 Phase: RTX-CLP I  
 Signal #1 Info : 30mx.32mmx.25um Signal #2 Info : 30m x .32mm x .50um

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
-----						
System Monitoring Compounds						
1) SAB Tetrachloro-m-xy	1.96	2.28	520.9E6	167.8E6	24.211	25.416
Spiked Amount	40.000	Range	30 - 150	Recovery	=	60.53% 63.54%
34) SA Decachlorobiphen	8.63	10.25	800.5E6	116.6E6	24.012	24.501
Spiked Amount	40.000	Range	30 - 150	Recovery	=	60.03% 61.25%
Target Compounds						
2) Hexachlorobenzen	2.21	2.65	954.8E6	196.8E6	23.174	23.954
3) A alpha-BHC	2.31	2.76	1143.0E6	235.9E6	24.866	25.681
4) MA gamma-BHC	2.54	3.08	1000.4E6	214.1E6	24.186	25.303
5) MA Heptachlor	2.94	3.56	1006.7E6	200.1E6	23.582	24.420
6) B beta-BHC	2.60	3.15	416.3E6	95123829	23.652	24.245
7) B delta-BHC	2.75	3.46	937.6E6	183.9E6	24.186	24.457
8) MB Aldrin	3.22	3.94	981.3E6	197.3E6	24.029	25.155
9) B Heptachlor Epoxi	3.84	4.64	910.6E6	186.3E6	23.560	25.463
10) B gamma-Chlordane	3.98	4.90	908.2E6	189.3E6	23.765	25.146
11) B alpha-Chlordane	4.13	5.10	862.3E6	182.2E6	23.153	25.563
12) A Endosulfan I	4.30	5.18	921.0E6	171.8E6	23.689	25.656
13) B 4,4'-DDE	4.23	5.34	837.0E6	173.0E6	22.753	25.893
14) MA Dieldrin	4.59	5.57	961.5E6	181.1E6	23.833	25.885
15) MA Endrin	4.89	6.02	769.6E6	142.3E6	20.329	22.293
16) A 4,4'-DDD	5.00	6.22	712.4E6	133.7E6	24.554	26.031
17) B Endosulfan II	5.19	6.35	837.1E6	160.4E6	24.332	25.589
18) MA 4,4'-DDT	5.39	6.72	649.9E6	121.9E6	23.091	25.435
19) B Endrin Aldehyde	5.79	6.88	708.5E6	132.2E6	24.418	25.861
20) B Endosulfan Sulfa	6.44	7.34	654.5E6	121.5E6	22.815	23.937
21) A Methoxychlor	6.15	7.88	292.3E6	63326581	21.043	23.335
22) Mirex	6.26	8.16	625.6E6	120.5E6	23.198	24.536
23) B Endrin Ketone	6.87	8.22	931.2E6	170.9E6	24.593	26.869

(f)=RT Delta &gt; 1/2 Window

1G58400.D 1PST2127.M

Tue Nov 02 10:11:58 2010

(m)=manual int.

RPT1



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1G2127\1G58400.D\ECD1A.CH Vial: 45  
Signal #2 : C:\MSDCHEM\1\DATA\1G2127\1G58400.D\ECD2B.CH  
Acq On : 11-2-10 04:50:33 AM Operator: owenm  
Sample : ecc2127-25 Inst : GC1G  
Misc : op46352,glg2128,17.1,,,10,1 Multiplr: 1.00  
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e  
Quant Time: Nov 2 10:11 2010 Quant Results File: 1PST2127.RES

Quant Method : C:\MSDCHEM\1\METHODS\1PST2127.M (Chemstation Integrator)  
Title : PEST/PCB  
Last Update : Tue Nov 02 09:26:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : 1PST2127.M

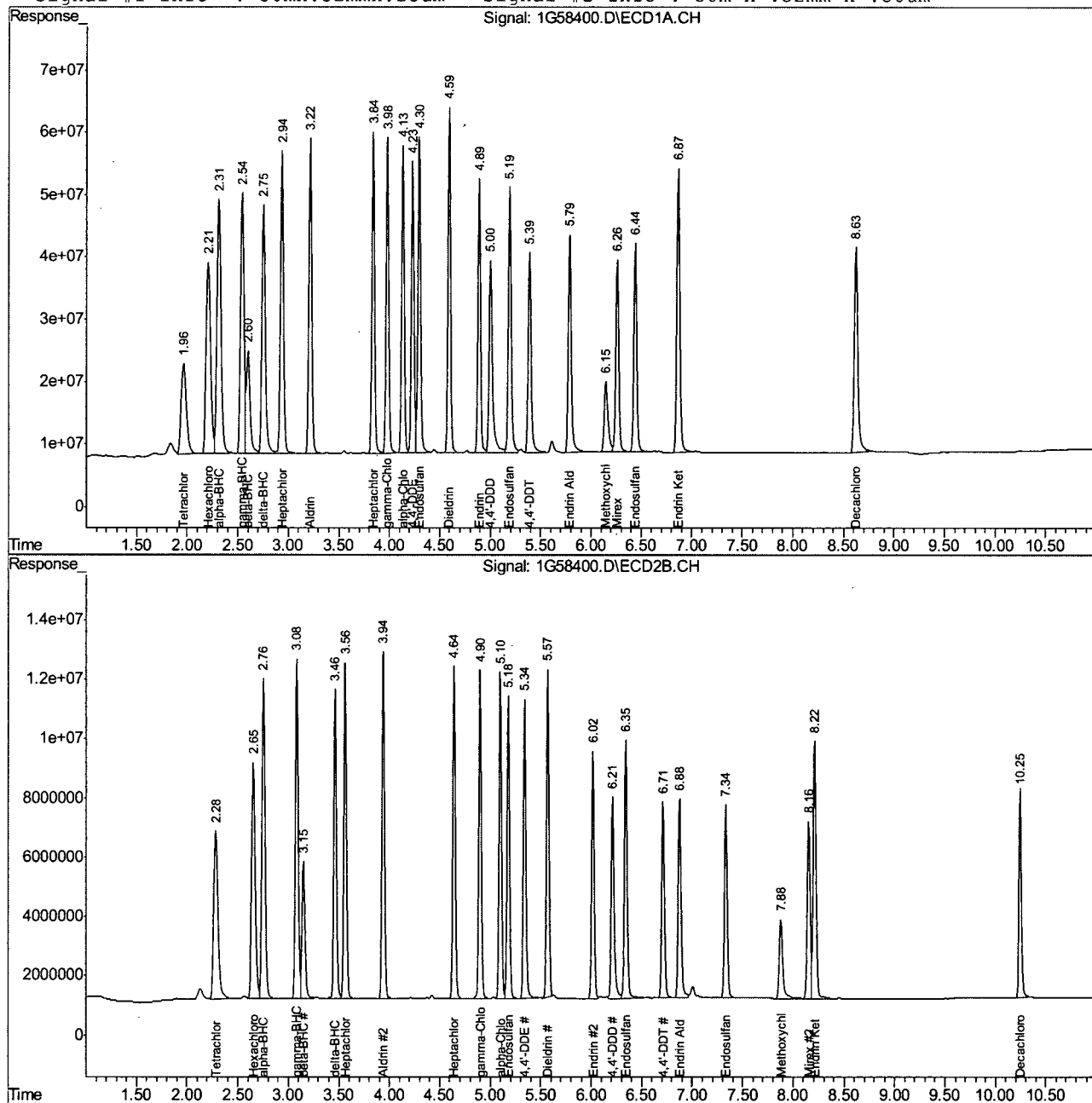
Volume Inj. : 1ul/column

Signal #1 Phase : RTXCLP II

Signal #2 Phase: RTX-CLP I

Signal #1 Info : 30mx.32mmx.25um

Signal #2 Info : 30m x .32mm x .50um



1G58400.D 1PST2127.M

Tue Nov 02 10:11:58 2010

RPT1

Page 2

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49419.D\ECD1A.CH Vial: 22  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49419.D\ECD2B.CH  
 Acq On : 9-24-2010 05:53:30 PM Operator: toyar  
 Sample : IC1826-1000, Ar1221 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:02:43 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:02:40 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	1236.0E6	929.4E6	49.240	49.311
Spiked Amount 40.000			Recovery	=	123.10%	123.28%
51) S Decachlorobiphen	9.05	9.29	1060.0E6	637.7E6	45.555	43.606
Spiked Amount 40.000			Recovery	=	113.89%	109.02%
Target Compounds						
2) AR1221-A	1.84	1.80	162.0E6	126.1E6	1000.000	1000.000
3) AR1221-B	2.48	2.44	233.2E6	160.9E6	1000.000	1000.000
4) AR1221-C	2.68	2.64	730.3E6	421.9E6	1000.000	1000.000
5) AR1221-D	3.21	3.05	69257246	61320048	1000.000	1000.000
6) AR1221-E	3.58	3.56	108.4E6	67593967	1000.000	1000.000

10.6.15 10

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49419.D PCB1826.M Wed Sep 29 16:43:31 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49419.D\ECD1A.CH Vial: 22  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49419.D\ECD2B.CH  
Acq On : 9-24-2010 05:53:30 PM Operator: toyar  
Sample : IC1826-1000, Ar1221 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:02 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:02:40 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

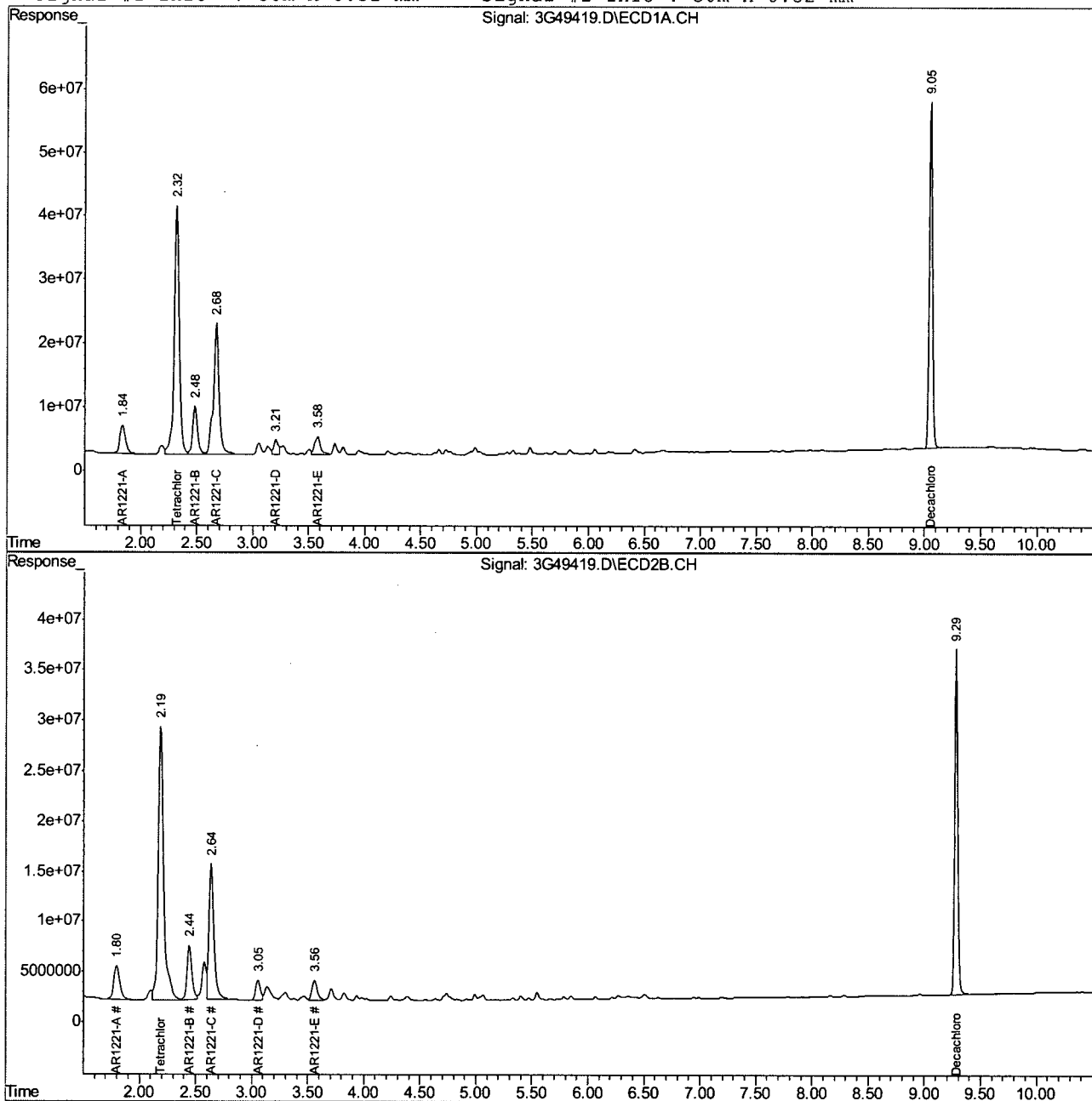
Volume Inj. : 1ul

Signal #1 Phase : RTX-CLP1

Signal #2 Phase: RTX-CLP2

Signal #1 Info : 30m X 0.32 mm

Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49420.D\ECD1A.CH Vial: 23  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49420.D\ECD2B.CH  
 Acq On : 9-24-2010 06:08:34 PM Operator: toyar  
 Sample : IC1826-1000, Ar1232 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:04:53 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:04:51 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	956.2E6	706.9E6	39.947	39.445
Spiked Amount 40.000			Recovery	=	99.87%	98.61%
51) S Decachlorobiphen	9.05	9.29	833.9E6	493.7E6	37.349	35.203
Spiked Amount 40.000			Recovery	=	93.37%	88.01%
Target Compounds						
7) AR1232-A	2.68	2.64	623.9E6	383.5E6	1000.000	1000.000
8) AR1232-B	3.05	3.05	421.3E6	290.2E6	1000.000	1000.000
9) AR1232-C	3.58	3.56	940.0E6	589.9E6	1000.000	1000.000
10) AR1232-D	3.73	3.71	343.6E6	252.4E6	1000.000	1000.000
11) AR1232-E	4.21	4.24	323.1E6	155.7E6	1000.000	1000.000

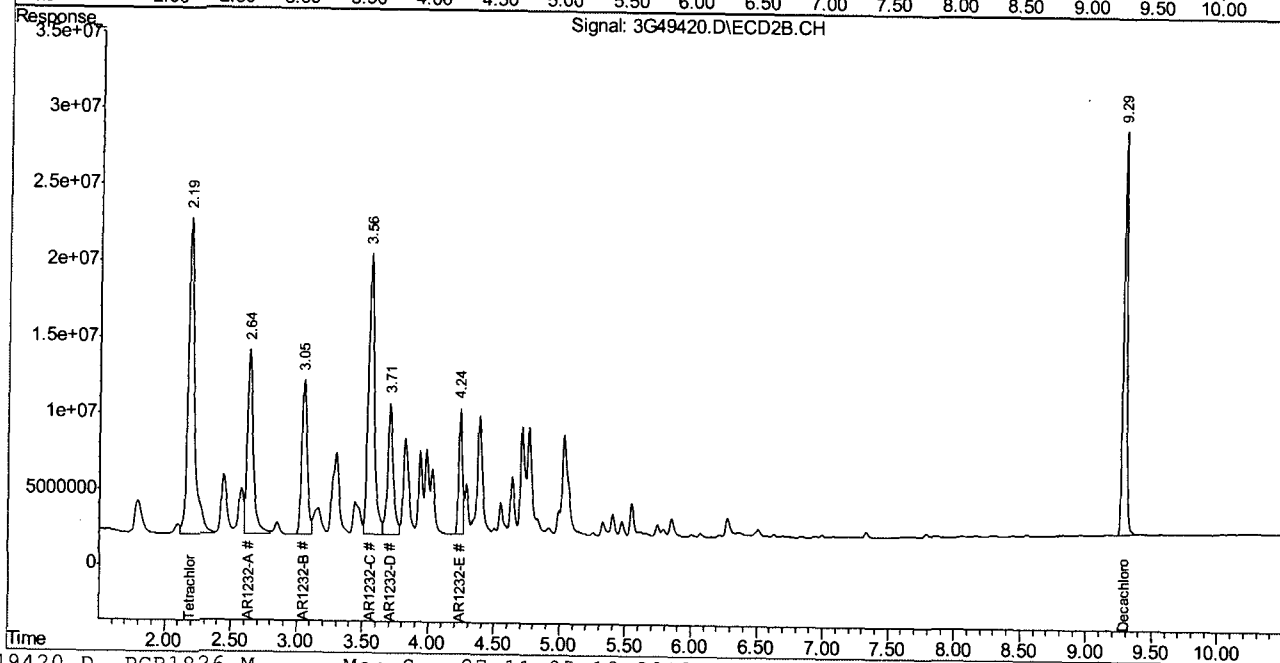
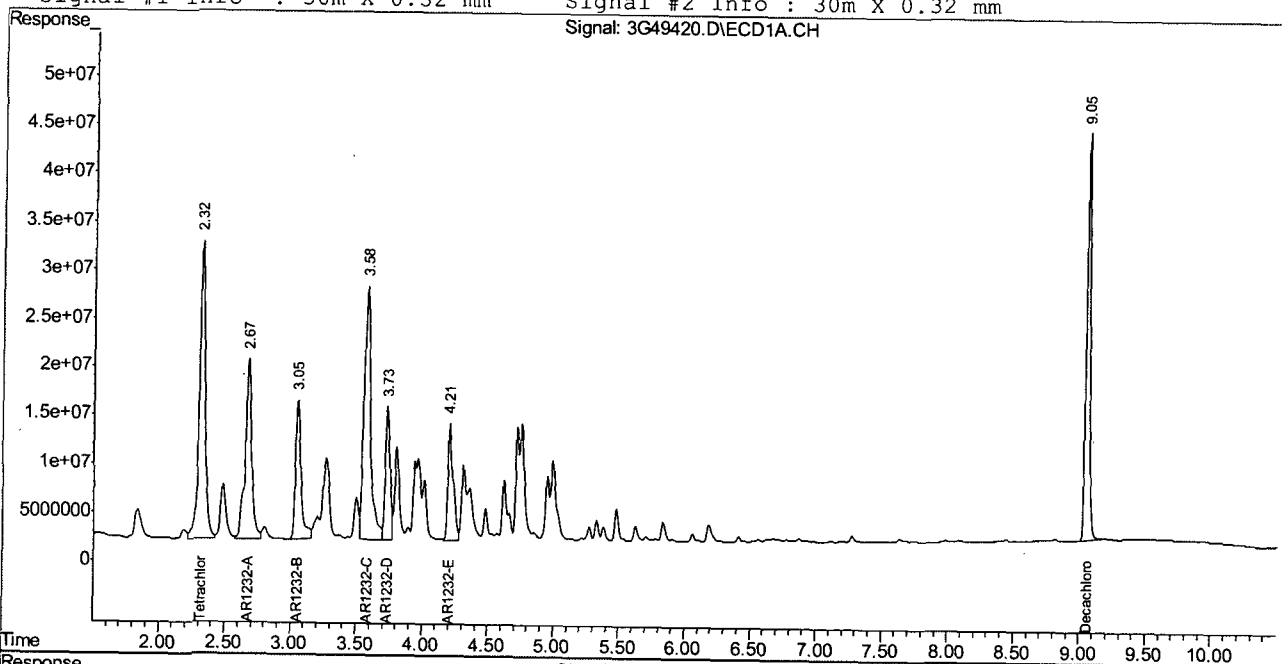
-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49420.D PCB1826.M Mon Sep 27 11:05:10 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49420.D\ECD1A.CH Vial: 23  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49420.D\ECD2B.CH  
Acq On : 9-24-2010 06:08:34 PM Operator: toyar  
Sample : IC1826-1000, Ar1232 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:05 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:04:51 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



3G49420.D PCB1826.M

Mon Sep 27 11:05:10 2010

GC3G

Page 2

10.6.16 10

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49421.D\ECD1A.CH Vial: 24  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49421.D\ECD2B.CH  
 Acq On : 9-24-2010 06:23:37 PM Operator: toyar  
 Sample : IC1826-1000, Ar1242 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:06:30 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:06:23 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	1015.5E6	741.1E6	42.424	41.352
Spiked Amount 40.000			Recovery	=	106.06%	103.38%
51) S Decachlorobiphen	9.05	9.29	922.5E6	538.5E6	41.318	38.395
Spiked Amount 40.000			Recovery	=	103.30%	95.99%
Target Compounds						
12) AR1242-A	3.05	3.05	733.9E6	505.1E6	1056.484	1029.100
13) AR1242-B	3.58	3.56	1721.9E6	1081.6E6	1096.920	1039.585
14) AR1242-C	3.73	3.70	635.3E6	459.5E6	1083.800	1021.548
15) AR1242-D	4.21	4.24	654.1E6	318.6E6	1076.732	1021.189
16) AR1242-E	4.76	4.76	575.4E6	377.9E6	1332.003	1213.861

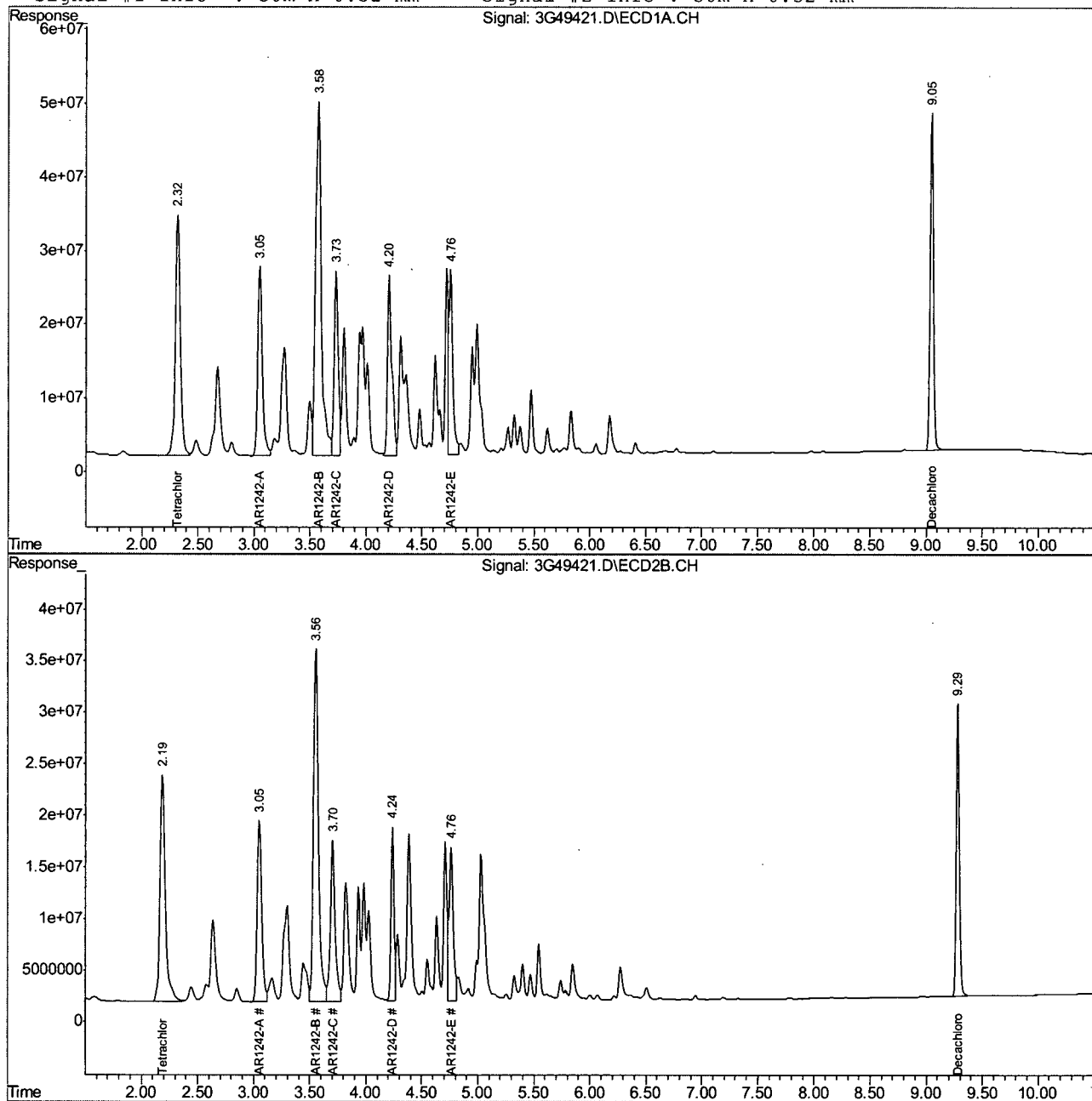
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49421.D PCB1826.M Mon Sep 27 11:06:53 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49421.D\ECD1A.CH Vial: 24  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49421.D\ECD2B.CH  
Acq On : 9-24-2010 06:23:37 PM Operator: toyar  
Sample : IC1826-1000, Ar1242 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:06 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:06:23 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49422.D\ECD1A.CH Vial: 25  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49422.D\ECD2B.CH  
 Acq On : 9-24-2010 06:38:43 PM Operator: toyar  
 Sample : IC1826-1000, Ar1248 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:08:42 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:08:39 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	1019.9E6	733.6E6	42.141	40.682
Spiked Amount 40.000			Recovery	=	105.35%	101.71%
51) S Decachlorobiphen	9.05	9.29	949.3E6	550.5E6	41.623	38.602
Spiked Amount 40.000			Recovery	=	104.06%	96.50%
Target Compounds						
17) AR1248-A	3.05	3.05	325.2E6	232.0E6	1000.000	1000.000
18) AR1248-B	3.58	3.56	917.2E6	632.7E6	1000.000	1000.000
19) AR1248-C	3.94	3.94	578.1E6	390.1E6	1000.000	1000.000
20) AR1248-D	4.20	4.24	1028.6E6	512.8E6	1000.000	1000.000
21) AR1248-E	4.72	4.71	897.2E6	615.6E6	1000.000	1000.000
22) AR1248-F	4.99	5.03	1058.3E6	824.6E6	1000.000	1000.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49422.D PCB1826.M Mon Sep 27 11:09:00 2010 GC3G



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49422.D\ECD1A.CH Vial: 25  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49422.D\ECD2B.CH  
Acq On : 9-24-2010 06:38:43 PM Operator: toyar  
Sample : IC1826-1000, Ar1248 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:08 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:08:39 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

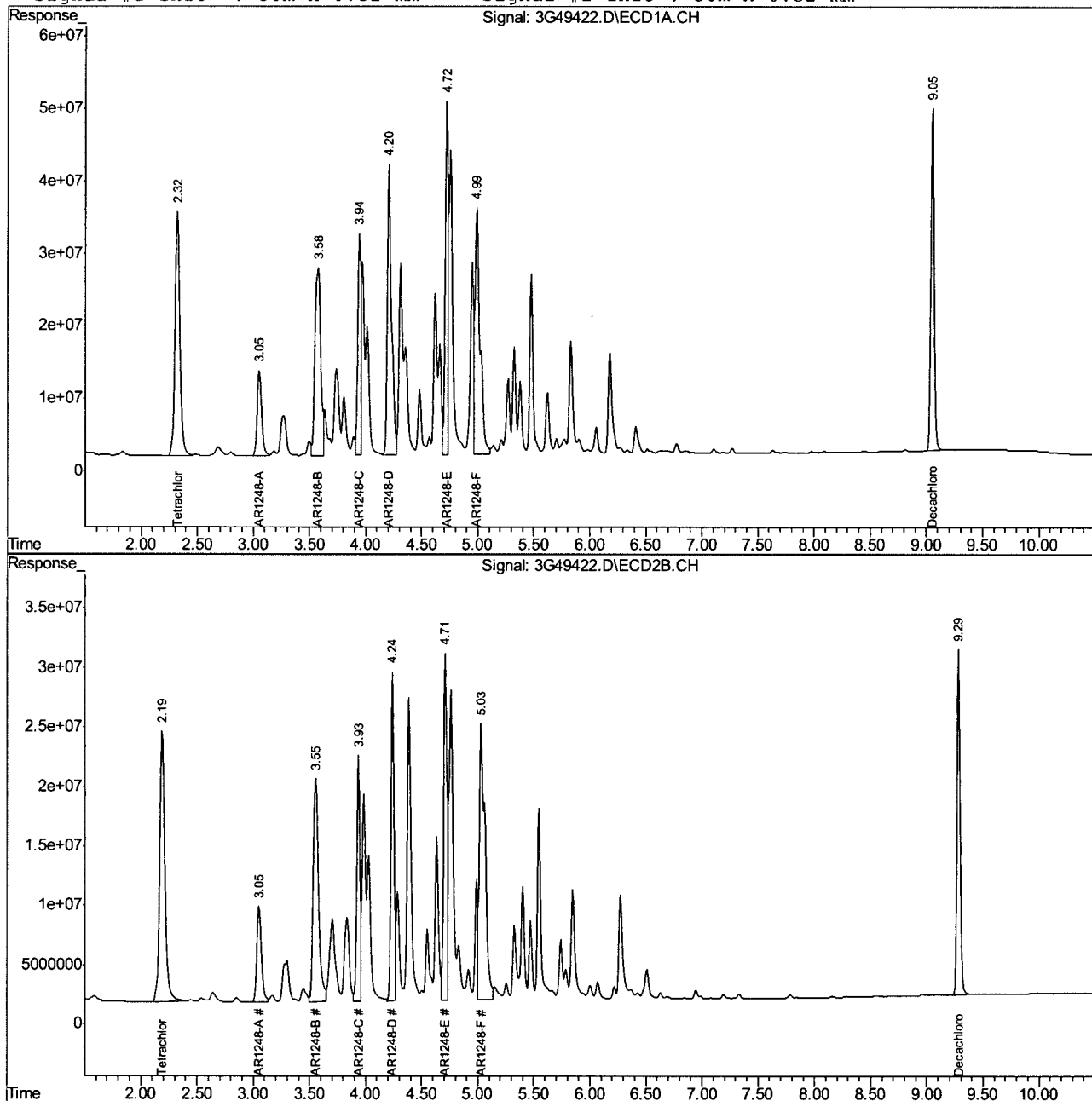
Volume Inj. : 1ul

Signal #1 Phase : RTX-CLP1

Signal #2 Phase: RTX-CLP2

Signal #1 Info : 30m X 0.32 mm

Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49423.D\ECD1A.CH Vial: 26  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49423.D\ECD2B.CH  
 Acq On : 9-24-2010 06:53:55 PM Operator: toyar  
 Sample : IC1826-1000, Ar1254 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:10:54 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:10:50 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	919.6E6	656.2E6	37.999	36.390
Spiked Amount 40.000			Recovery	=	95.00%	90.98%
51) S Decachlorobiphen	9.05	9.29	972.0E6	561.9E6	42.616	39.396
Spiked Amount 40.000			Recovery	=	106.54%	98.49%
Target Compounds						
23) AR1254-A	4.66	4.74	908.0E6	902.8E6	1177.007	1344.674
24) AR1254-B	4.98	4.99	1193.7E6	698.1E6	1104.668	1066.076
25) AR1254-C	5.32	5.40	878.1E6	545.8E6	1058.783	1051.201
26) AR1254-D	5.47	5.54	1587.2E6	1020.8E6	1076.239	1059.059
27) AR1254-E	5.83	5.84	1319.8E6	726.4E6	1094.675	1057.809
28) AR1254-F	6.06	6.27	1107.6E6	586.3E6	1071.078	1075.497
29) AR1254-G	6.41	6.51	1560.7E6	1033.3E6	1034.643	1046.561

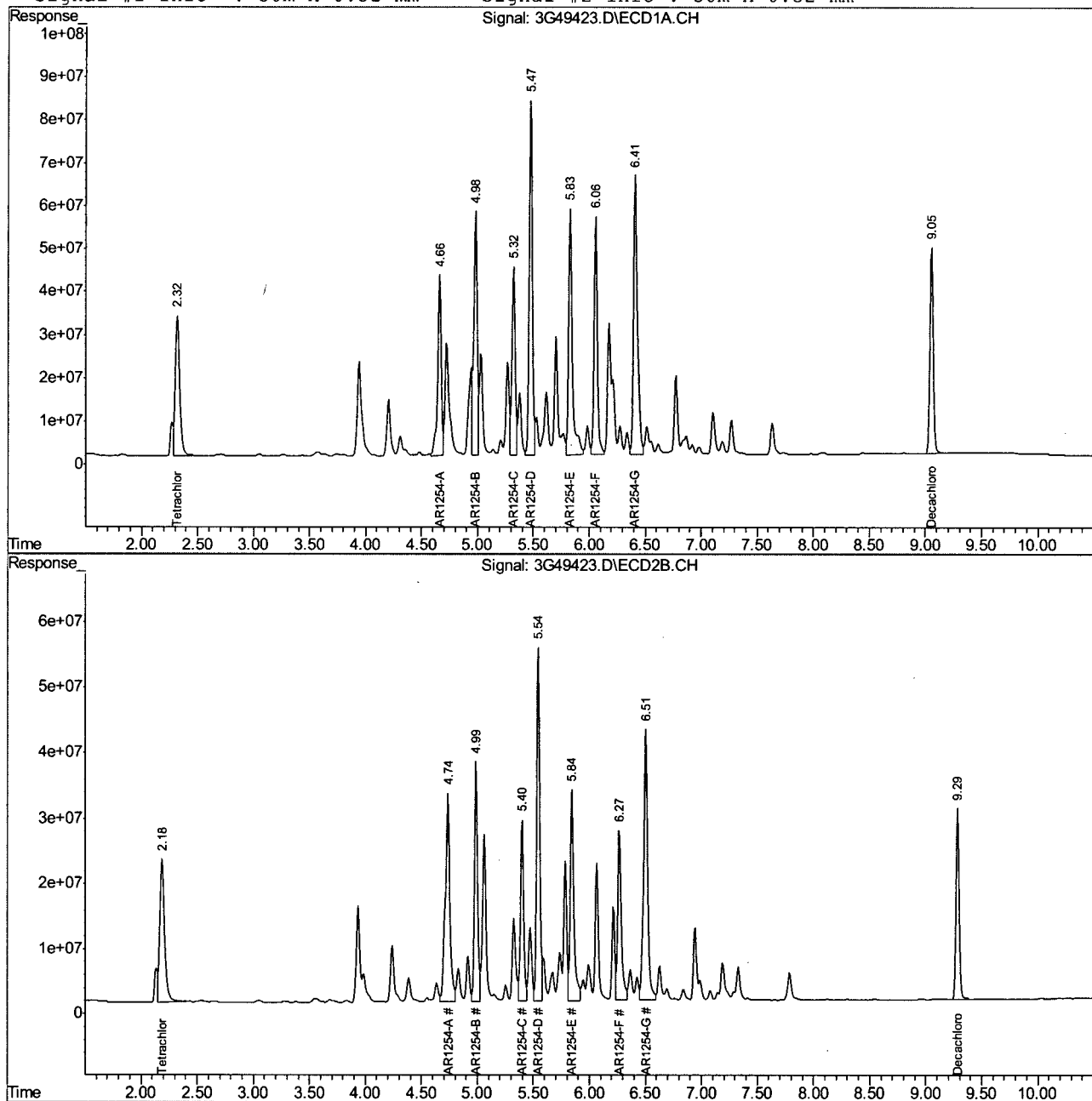
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 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49423.D PCB1826.M Mon Sep 27 11:11:15 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49423.D\ECD1A.CH Vial: 26  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49423.D\ECD2B.CH  
Acq On : 9-24-2010 06:53:55 PM Operator: toyar  
Sample : IC1826-1000, Ar1254 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:11 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:10:50 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49424.D\ECD1A.CH Vial: 27  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49424.D\ECD2B.CH  
 Acq On : 9-24-2010 07:09:00 PM Operator: toyar  
 Sample : IC1826-1000, Ar1262 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:12:50 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:12:17 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	996.0E6	715.7E6	41.155	39.687
Spiked Amount 40.000			Recovery	=	102.89%	99.22%
50) S Decachlorobiphen	9.05	9.29	938.8E6	541.4E6	41.162	37.961
Spiked Amount 40.000			Recovery	=	102.91%	94.90%
Target Compounds						
40) AR1262-A	6.06	6.07	1313.6E6	710.4E6	1105.566	999.546
41) AR1262-B	6.55	6.63	1773.3E6	1019.9E6	1118.078	1026.934
42) AR1262-C	6.87	6.99	1530.7E6	951.7E6	1083.589	1012.000
43) AR1262-D	7.27	7.33	3315.0E6	1972.4E6	1116.715	1036.545
44) AR1262-E	7.68	7.78	1341.5E6	1341.9E6	1101.905	1048.597

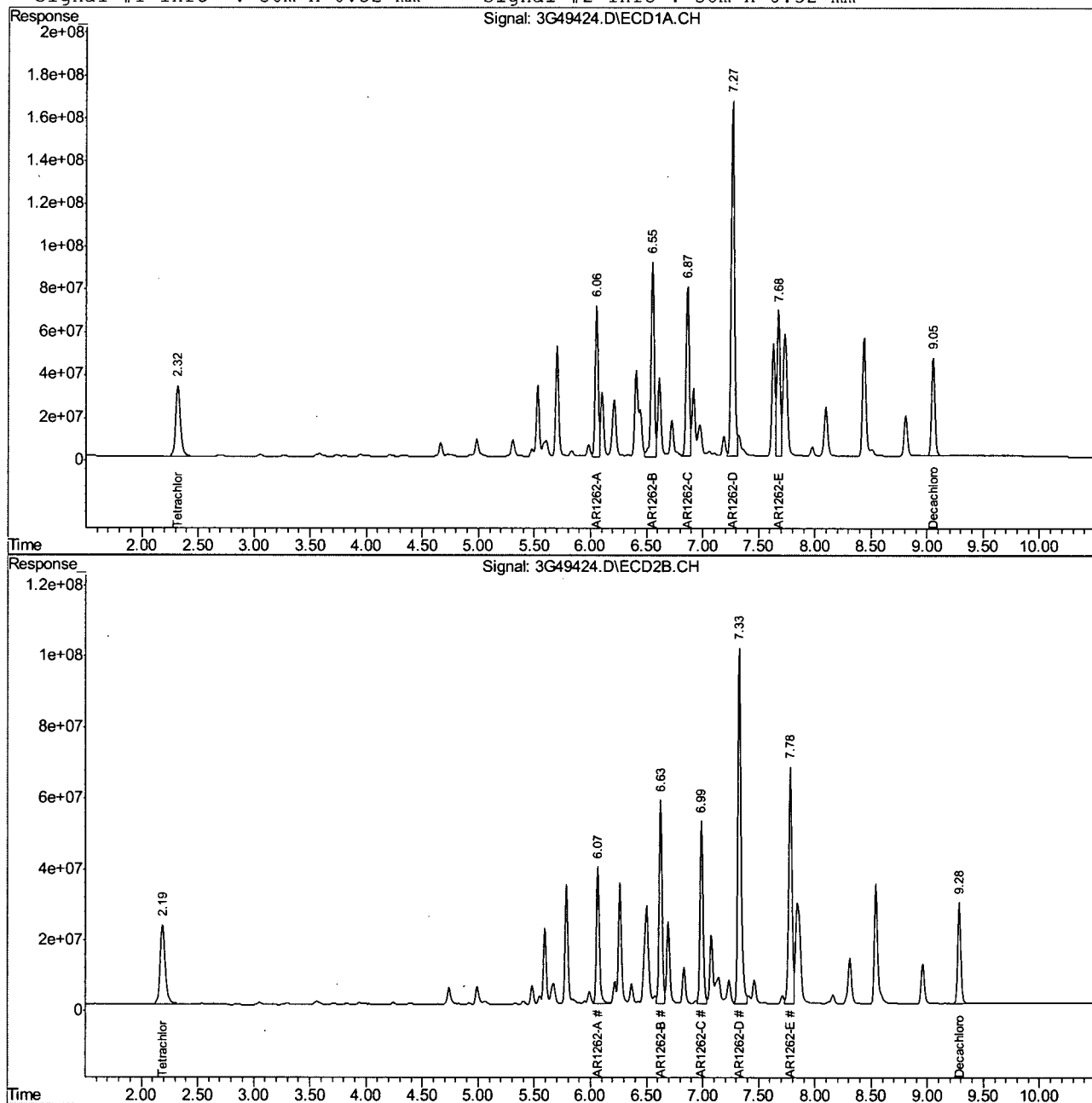
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49424.D PCB1826.M Mon Sep 27 11:13:10 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49424.D\ECD1A.CH Vial: 27  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49424.D\ECD2B.CH  
Acq On : 9-24-2010 07:09:00 PM Operator: toyar  
Sample : IC1826-1000, Ar1262 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:12 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:12:17 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49425.D\ECD1A.CH Vial: 28  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49425.D\ECD2B.CH  
 Acq On : 9-24-2010 07:24:06 PM Operator: toyar  
 Sample : IC1826-1000, Ar1268 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:17:27 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:17:24 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	1038.5E6	746.2E6	42.775	41.259
Spiked Amount 40.000			Recovery	=	106.94%	103.15%
50) S Decachlorobiphen	9.05	9.29	2429.0E6	1409.2E6	83.837	78.995
Spiked Amount 40.000			Recovery	=	209.59%	197.49%
Target Compounds						
45) AR1268-A	7.68	7.78	3664.3E6	2160.9E6	1000.000	1000.000
46) AR1268-B	7.73	7.84	4215.7E6	2424.0E6	1000.000	1000.000
47) AR1268-C	7.98	8.16	2979.6E6	1673.8E6	1000.000	1000.000
48) AR1268-D	8.44	8.54	1156.1E6	660.2E6	1000.000	1000.000
49) AR1268-E	8.81	8.96	8151.8E6	4800.0E6	1000.000	1000.000

10.6.21 10

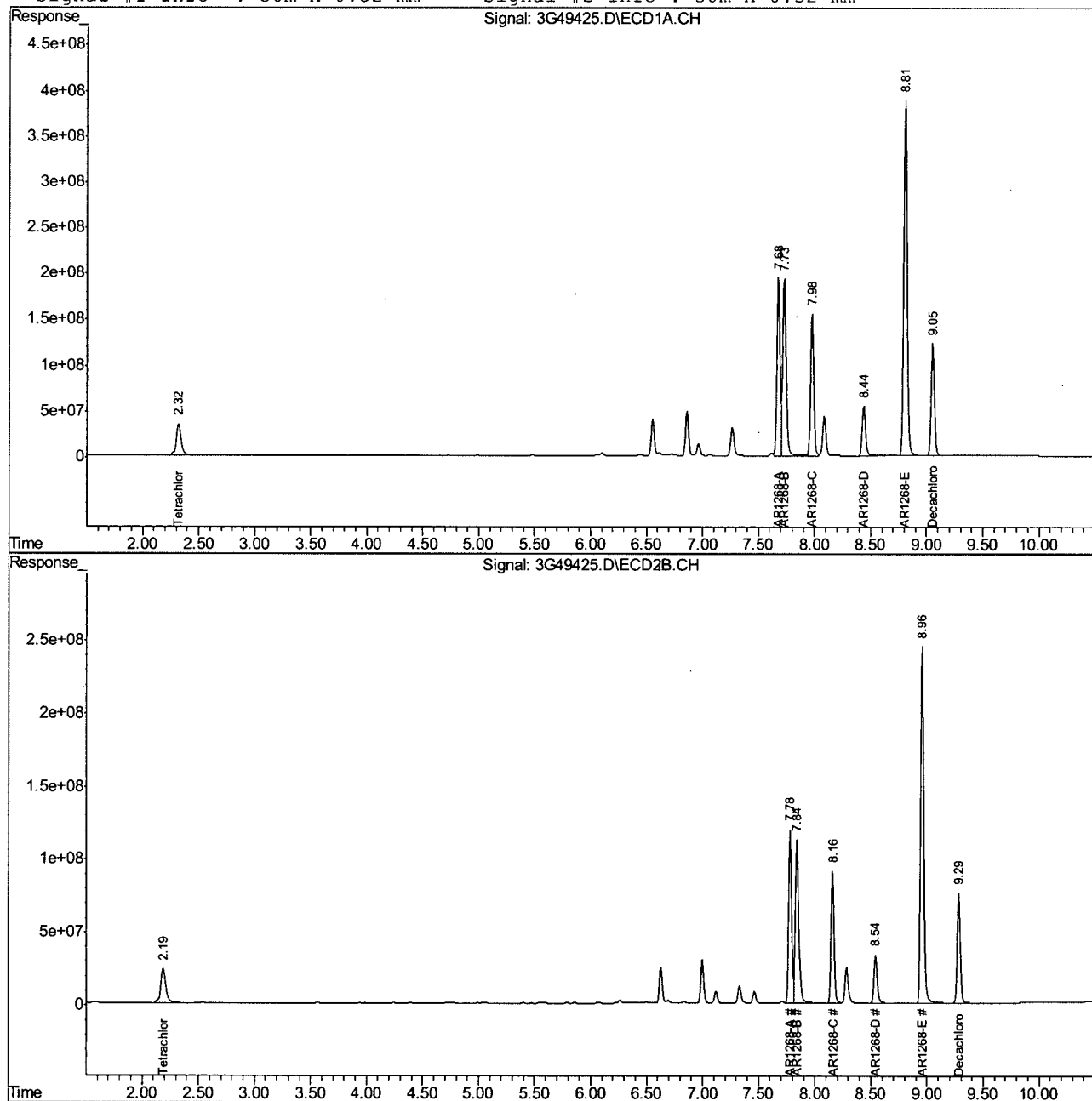
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 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49425.D PCB1826.M Mon Sep 27 11:17:40 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49425.D\ECD1A.CH Vial: 28  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49425.D\ECD2B.CH  
Acq On : 9-24-2010 07:24:06 PM Operator: toyar  
Sample : IC1826-1000, Ar1268 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:17 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:17:24 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



Manual Integrations  
APPROVED  
(compounds with "m" flag)

Cheng-Hwan Ao  
09/29/10 16:39

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD2B.CH  
Acq On : 9-24-2010 07:39:10 PM Operator: toyar  
Sample : IC1826-50, Ar1016/1260 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:30:48 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	49820301	36483470	1.988	1.979
Spiked Amount 40.000			Recovery	=	4.97%	4.95%
50) S Decachlorobiphen	9.05	9.29	48806766	29040954	2.072	2.157
Spiked Amount 40.000			Recovery	=	5.18%	5.39%
Target Compounds						
30) AR1016-A	2.68	2.64	27342215	16005800	58.040	53.225m
31) AR1016-B	3.05	3.05	47945861	32603428	56.377	55.999
32) AR1016-C	3.58	3.56	106.5E6	59657739	53.314	48.220
33) AR1016-D	3.74	3.71	40761000	28257238	55.118	52.149
34) AR1016-E	4.21	4.24	40071446	19976772	52.776	55.130
35) AR1260-A	6.06	6.07	89783297	45389425	50.558	52.818
36) AR1260-B	6.41	6.51	95506618	59300066	52.142	49.879
37) AR1260-C	6.87	6.99	61635169	37157564	54.515	53.637
38) AR1260-D	7.27	7.33	145.2E6	78954324	49.810	49.514
39) AR1260-E	7.63	7.79	95088675	55345976	50.909	52.177

-----  
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G49426.D PCB1826.M Mon Sep 27 11:31:20 2010 GC3G

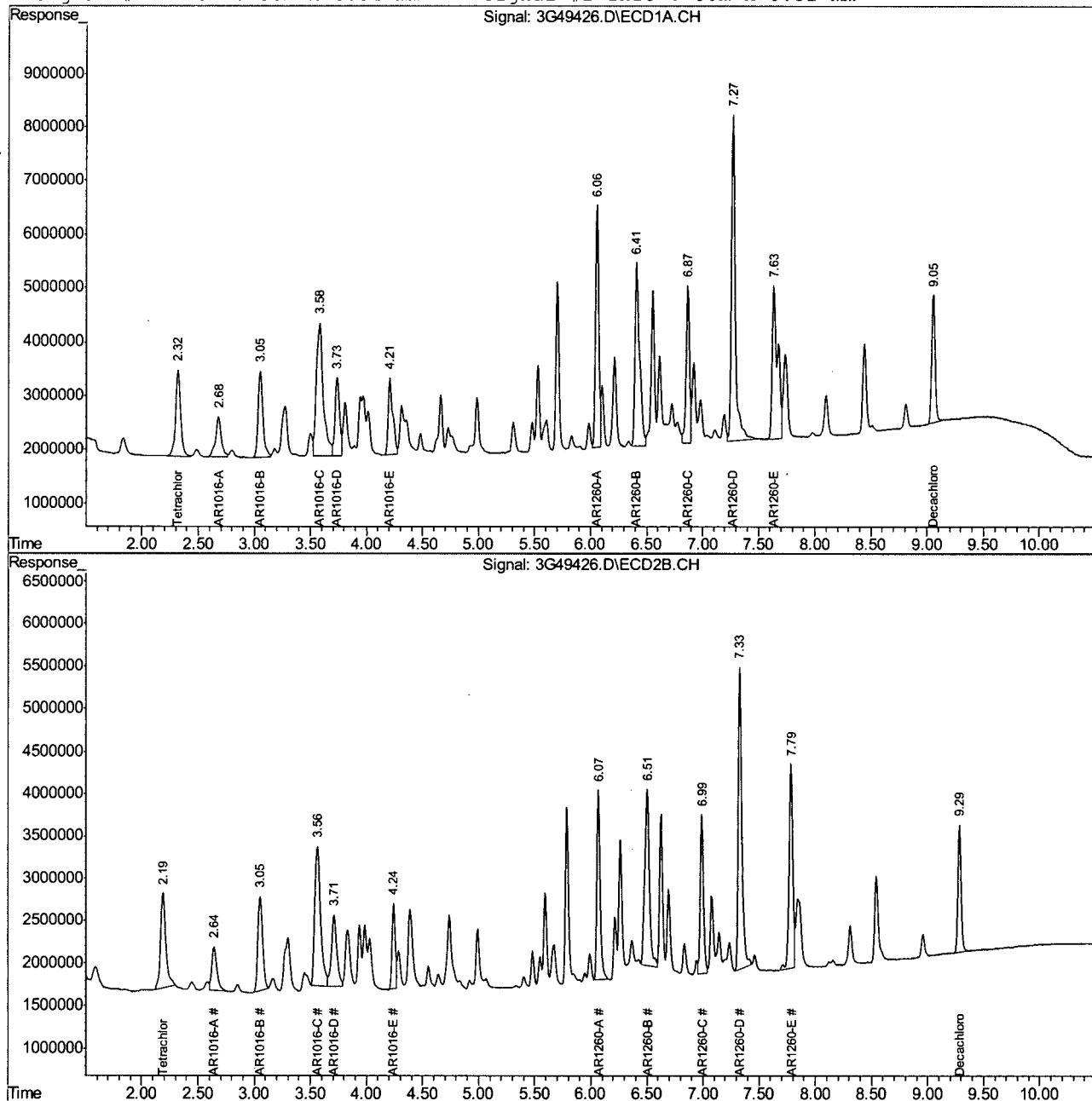


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD2B.CH  
Acq On : 9-24-2010 07:39:10 PM Operator: toyar  
Sample : IC1826-50, Ar1016/1260 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:31 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G3G1826-IC1826      **Method:** SW846 8082  
**Lab FileID:** 3G49426.D      **Analyst approved:** 09/28/10 11:23 Toya Dagena Raffington  
**Injection Time:** 09/24/10 19:39      **Supervisor approved:** 09/29/10 16:39 Cheng-Hwan Ao

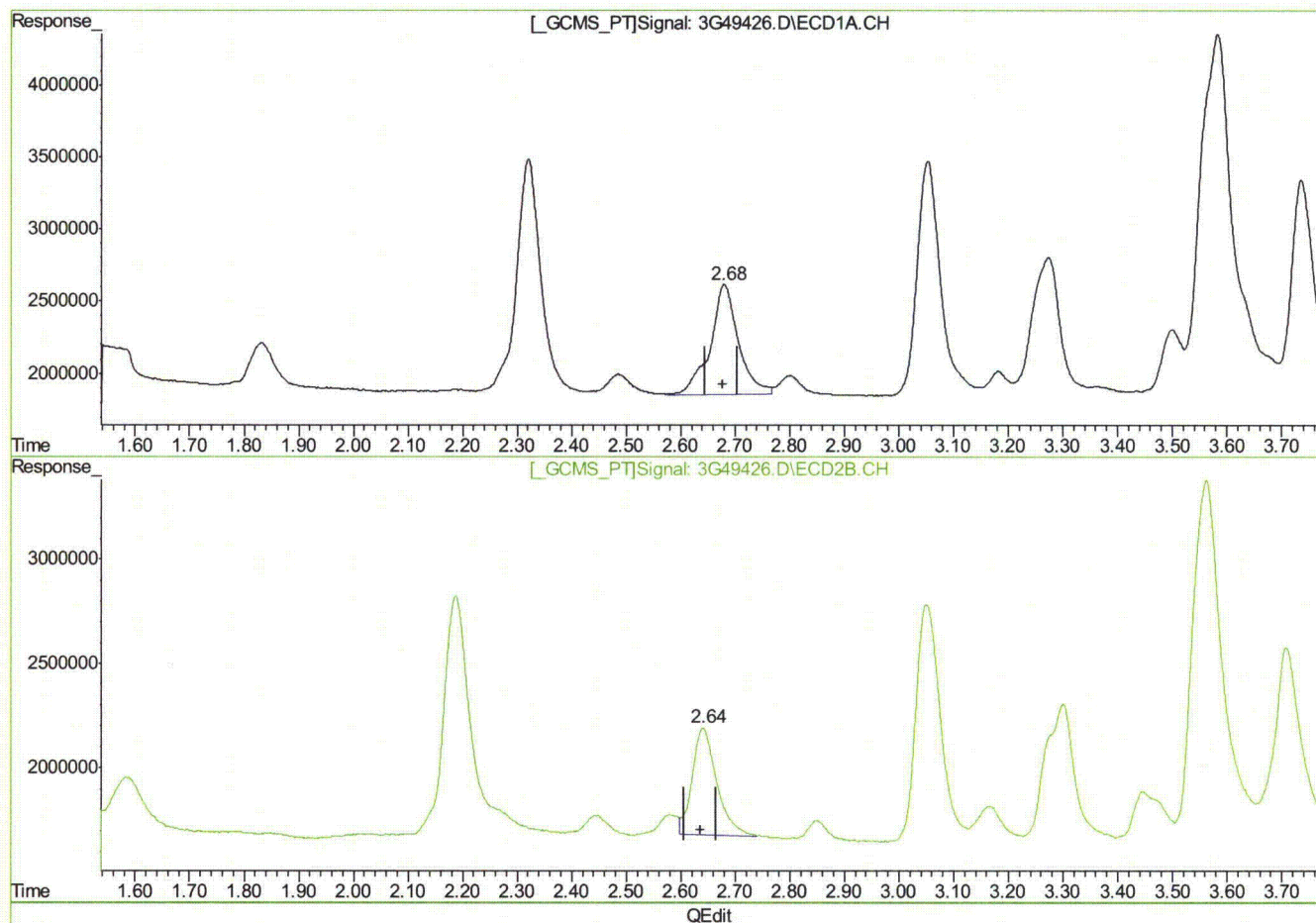
Parameter	CAS	Sig#	R. T. (min.)	Reason
AR1016-A		2	2.64	Poorly defined baseline

10.6.22.1  
10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD1A.CH Vial: 29  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49426.D\ECD2B.CH  
Acq On : 9-24-2010 07:39:10 PM Operator: toyar  
Sample : IC1826-50, Ar1016/1260 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:30 2010 Quant Results File: PCB1826.RES

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration



(30) AR1016-A  
2.68min 58.040PPB  
response 27342215

(30) AR1016-A #2  
2.64min 53.225PPB m  
response 16005800

(+) = Expected Retention Time  
3G49426.D PCB1826.M Mon Sep 27 11:31:14 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD2B.CH  
Acq On : 9-24-2010 07:54:14 PM Operator: toyar  
Sample : IC1826-250 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:26:16 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.19	248.0E6	187.9E6	9.895	10.188
Spiked Amount 40.000			Recovery	=	24.74%	25.47%
50) S Decachlorobiphen	9.05	9.29	237.6E6	137.3E6	10.085	10.202
Spiked Amount 40.000			Recovery	=	25.21%	25.50%
Target Compounds						
30) AR1016-A	2.68	2.64	124.1E6	79596929	263.490	264.690m
31) AR1016-B	3.05	3.05	219.2E6	153.4E6	257.726	263.478
32) AR1016-C	3.58	3.56	499.9E6	306.2E6	250.259	247.464
33) AR1016-D	3.73	3.71	190.1E6	140.4E6	257.024	259.092
34) AR1016-E	4.20	4.24	193.4E6	91243000	254.784	251.805
35) AR1260-A	6.06	6.07	437.9E6	223.7E6	246.614	260.286
36) AR1260-B	6.41	6.51	474.8E6	297.9E6	259.195	250.560
37) AR1260-C	6.87	6.99	281.9E6	173.6E6	249.355	250.596
38) AR1260-D	7.27	7.33	721.7E6	390.4E6	247.632	244.823
39) AR1260-E	7.63	7.79	461.0E6	260.8E6	246.800	245.843

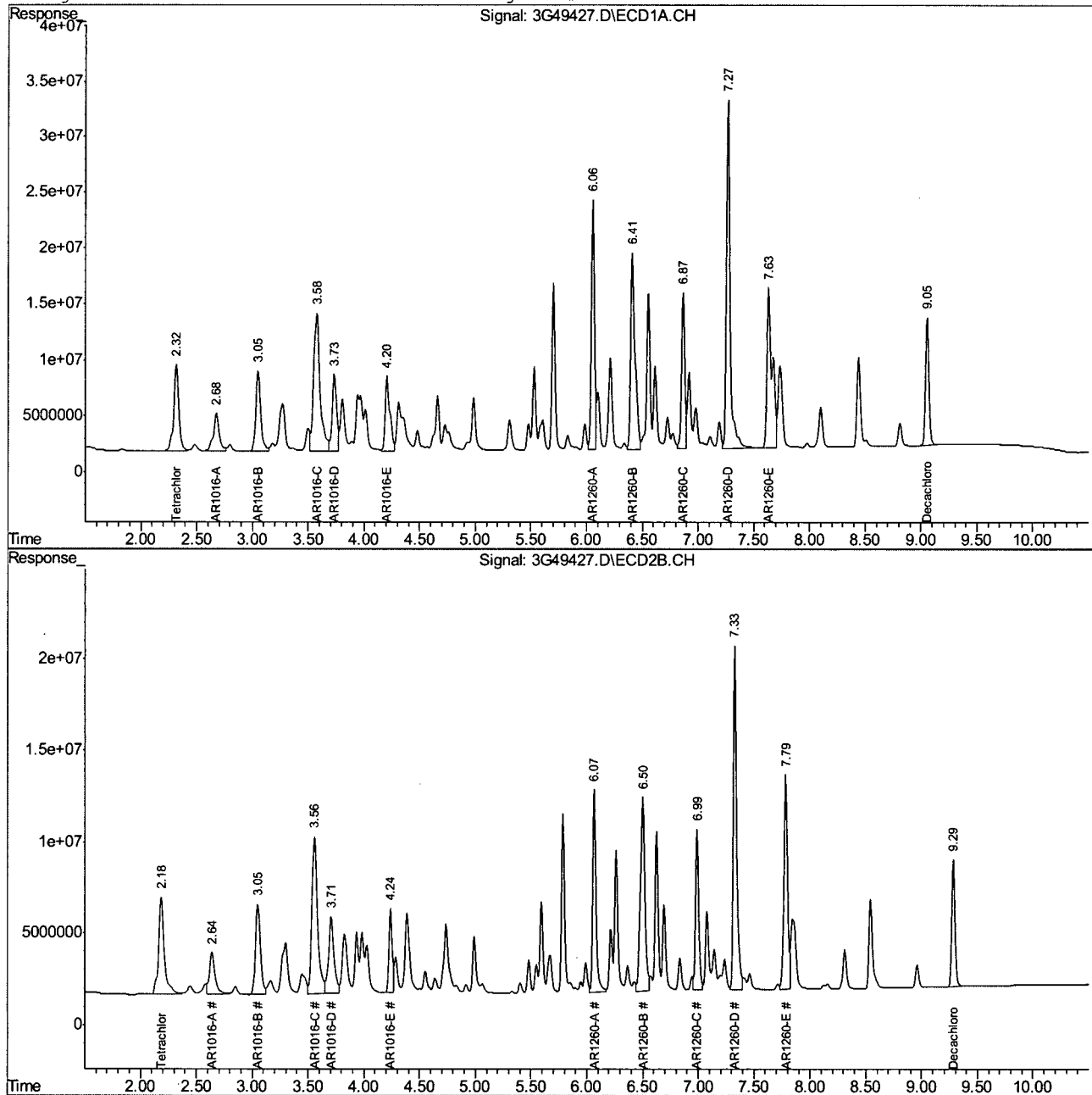
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G49427.D PCB1826.M Mon Sep 27 11:27:13 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD2B.CH  
Acq On : 9-24-2010 07:54:14 PM Operator: toyar  
Sample : IC1826-250 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:27 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



3G49427.D PCB1826.M

Mon Sep 27 11:27:13 2010

GC3G

Page 2

## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G3G1826-IC1826

**Method:** SW846 8082

**Lab FileID:** 3G49427.D

**Analyst approved:** 09/28/10 11:23 Toya Dagena Raffington

**Injection Time:** 09/24/10 19:54

**Supervisor approved:** 09/29/10 16:39 Cheng-Hwan Ao

Parameter	CAS	Sig#	R. T. (min.)	Reason
AR1016-A		2	2.64	Poorly defined baseline

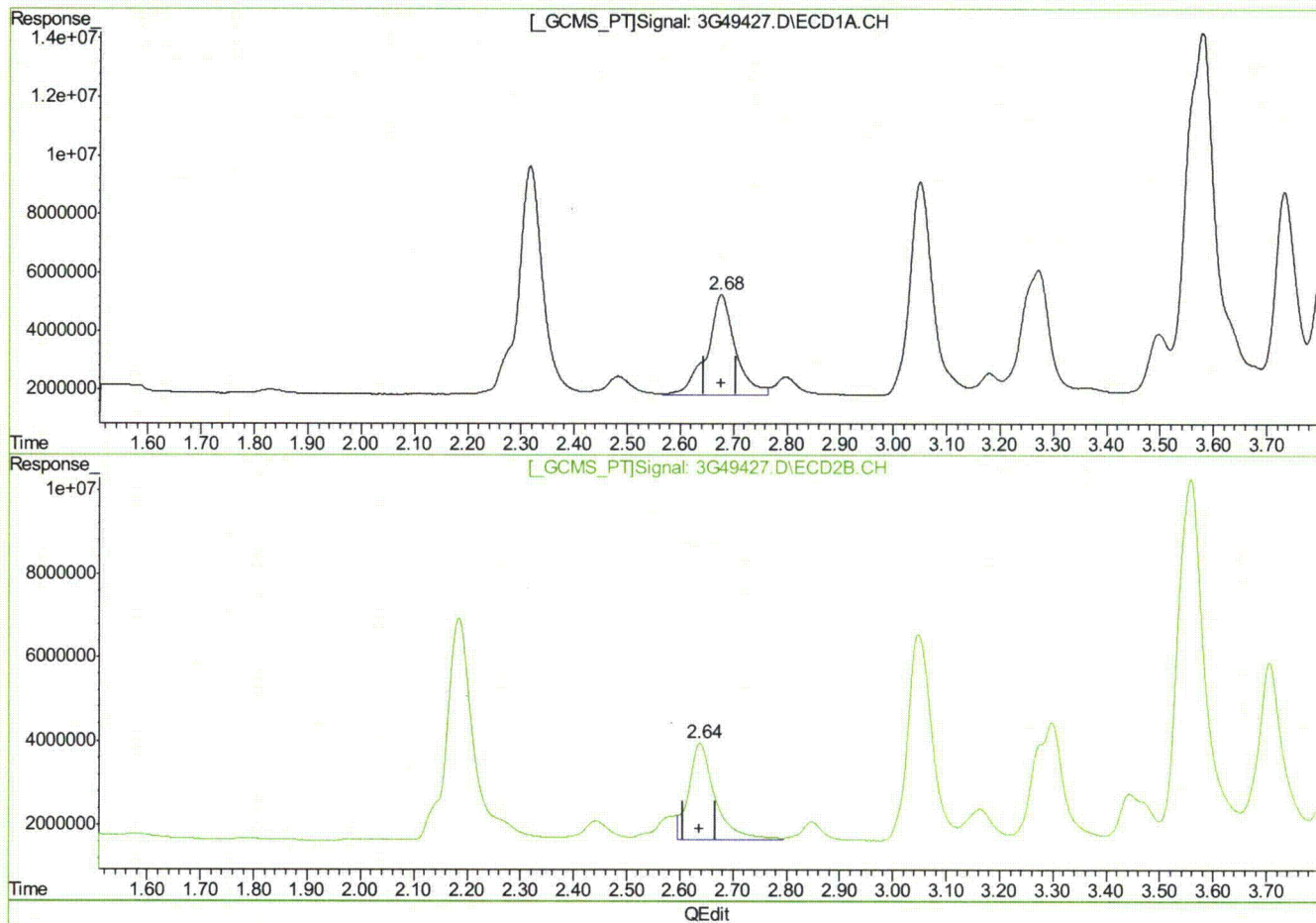
10.6.23.1

10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD1A.CH Vial: 30  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49427.D\ECD2B.CH  
Acq On : 9-24-2010 07:54:14 PM Operator: toyar  
Sample : IC1826-250 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:26 2010 Quant Results File: PCB1826.RES

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration



(30) AR1016-A

2.68min 263.490PPB

response 124127440

(30) AR1016-A #2

2.64min 264.690PPB m

response 79596929

(+) = Expected Retention Time

3G49427.D PCB1826.M

Mon Sep 27 11:27:05 2010

GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49428.D\ECD1A.CH Vial: 31  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49428.D\ECD2B.CH  
 Acq On : 9-24-2010 08:09:18 PM Operator: toyar  
 Sample : IC1826-500 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:25:41 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:25:13 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.18	494.7E6	366.1E6	19.482	19.713
Spiked Amount 40.000			Recovery	=	48.70%	49.28%
50) S Decachlorobiphen	9.05	9.29	467.9E6	267.2E6	19.724	19.701
Spiked Amount 40.000			Recovery	=	49.31%	49.25%
Target Compounds						
30) AR1016-A	2.68	2.64	236.2E6	152.7E6	502.633	515.521
31) AR1016-B	3.05	3.05	423.6E6	291.8E6	496.193	502.370
32) AR1016-C	3.58	3.56	989.6E6	610.0E6	490.881	486.272
33) AR1016-D	3.73	3.71	366.5E6	272.7E6	491.375	506.513
34) AR1016-E	4.20	4.24	377.0E6	180.4E6	493.010	495.877
35) AR1260-A	6.06	6.07	877.8E6	417.5E6	488.785	472.478
36) AR1260-B	6.41	6.51	881.5E6	587.3E6	463.833	488.095
37) AR1260-C	6.87	6.99	558.5E6	342.1E6	488.157	487.879
38) AR1260-D	7.27	7.33	1443.1E6	784.0E6	490.415	483.576
39) AR1260-E	7.63	7.79	920.4E6	521.4E6	485.741	483.459

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49428.D PCB1826.M Mon Sep 27 11:26:01 2010 GC3G

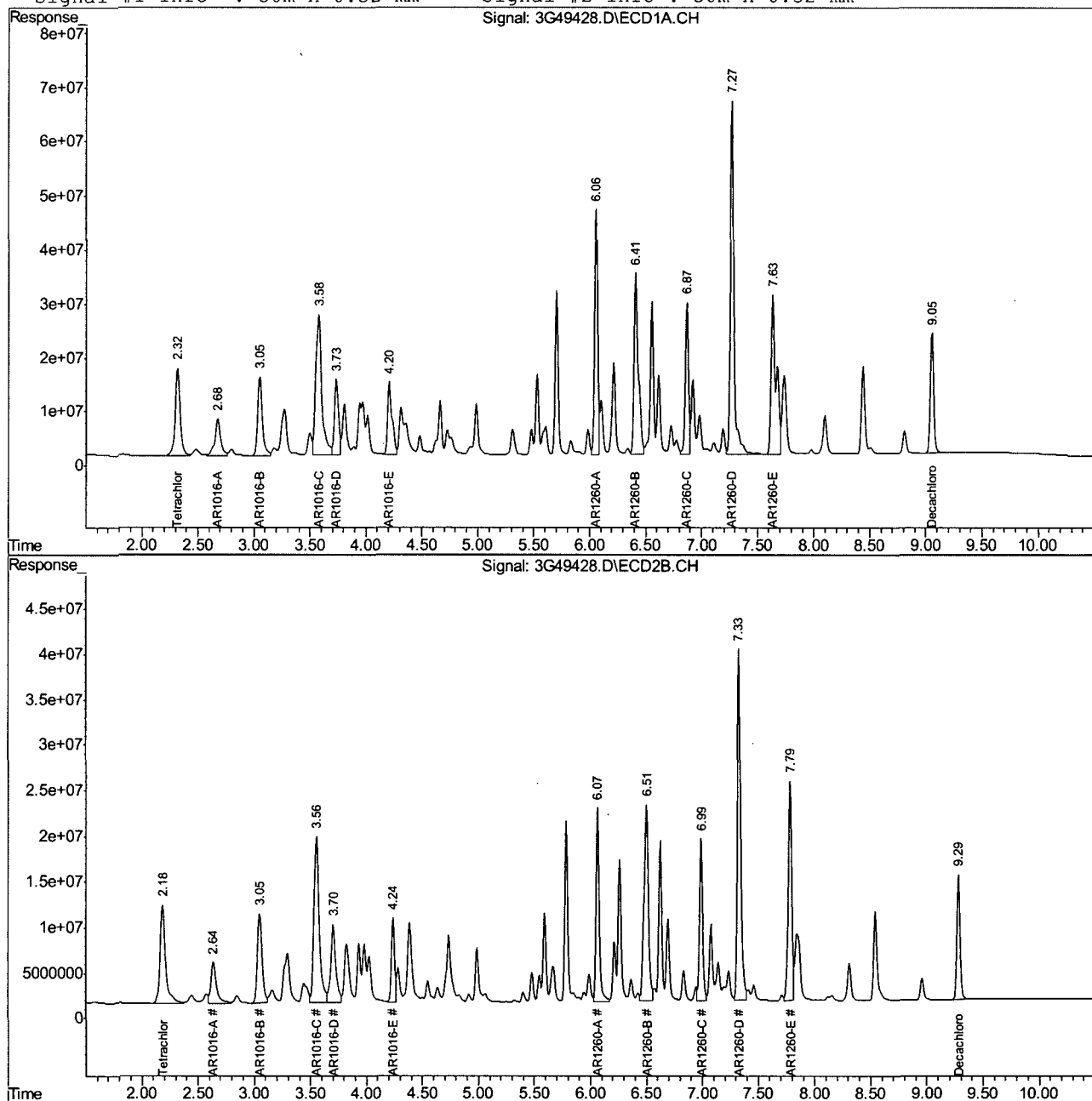


## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49428.D\ECD1A.CH Vial: 31  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49428.D\ECD2B.CH  
Acq On : 9-24-2010 08:09:18 PM Operator: toyar  
Sample : IC1826-500 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:25 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:25:13 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49429.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49429.D\ECD2B.CH  
Acq On : 9-24-2010 08:24:23 PM Operator: toyar  
Sample : ICC1826-1000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:25:16 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:25:13 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.18	1015.7E6	742.9E6	40.000	40.000
Spiked Amount	40.000		Recovery	=	100.00%	100.00%
50) S Decachlorobiphen	9.05	9.29	948.9E6	542.5E6	40.000	40.000
Spiked Amount	40.000		Recovery	=	100.00%	100.00%
Target Compounds						
30) AR1016-A	2.68	2.64	469.9E6	296.1E6	1000.000	1000.000
31) AR1016-B	3.05	3.05	853.7E6	580.8E6	1000.000	1000.000
32) AR1016-C	3.58	3.56	2016.0E6	1254.4E6	1000.000	1000.000
33) AR1016-D	3.73	3.70	746.0E6	538.3E6	1000.000	1000.000
34) AR1016-E	4.20	4.24	764.6E6	363.9E6	1000.000	1000.000
35) AR1260-A	6.06	6.07	1796.0E6	883.7E6	1000.000	1000.000
36) AR1260-B	6.41	6.50	1900.4E6	1203.2E6	1000.000	1000.000
37) AR1260-C	6.87	6.99	1144.2E6	701.3E6	1000.000	1000.000
38) AR1260-D	7.27	7.33	2942.5E6	1621.2E6	1000.000	1000.000
39) AR1260-E	7.63	7.79	1894.8E6	1078.6E6	1000.000	1000.000

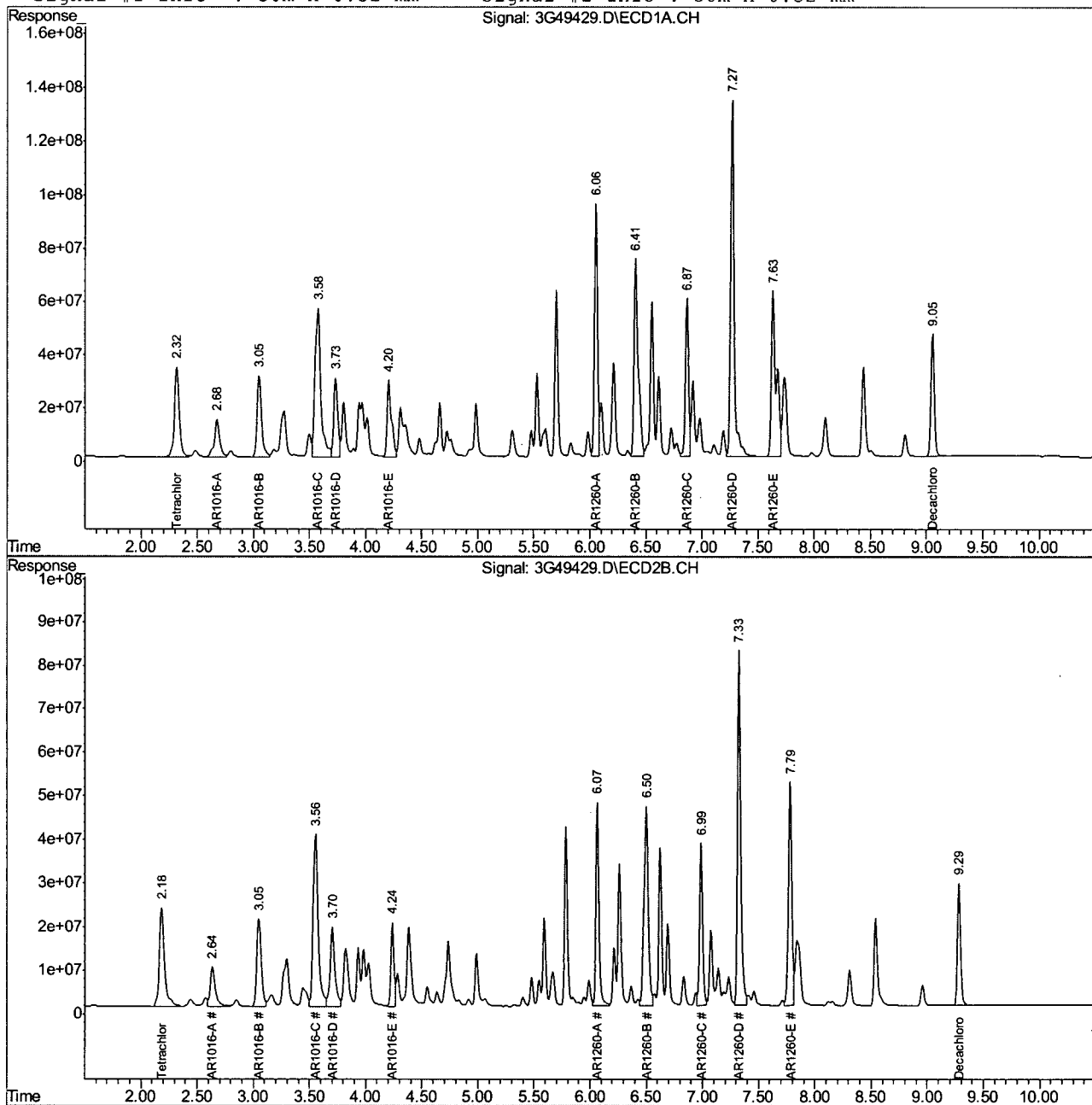
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(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G49429.D PCB1826.M Mon Sep 27 11:25:33 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49429.D\ECD1A.CH Vial: 32  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49429.D\ECD2B.CH  
Acq On : 9-24-2010 08:24:23 PM Operator: toyar  
Sample : ICC1826-1000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:25 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:25:13 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



3G49429.D PCB1826.M

Mon Sep 27 11:25:33 2010

GC3G

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## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD1A.CH Vial: 33  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD2B.CH  
 Acq On : 9-24-2010 08:39:33 PM Operator: toyar  
 Sample : IC1826-2000 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:31:25 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:26:06 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.18	2001.2E6	1452.4E6	79.843	78.769
Spiked Amount 40.000			Recovery	=	199.61%	196.92%
50) S Decachlorobiphen	9.05	9.29	1837.5E6	1055.6E6	77.993	78.422
Spiked Amount 40.000			Recovery	=	194.98%	196.06%
Target Compounds						
30) AR1016-A	2.67	2.63	904.3E6	565.2E6	1919.564	1879.420
31) AR1016-B	3.05	3.05	1645.6E6	1120.1E6	1934.976	1923.817
32) AR1016-C	3.57	3.55	3902.1E6	2461.3E6	1953.366	1989.391
33) AR1016-D	3.73	3.70	1451.6E6	1030.7E6	1962.919	1902.225
34) AR1016-E	4.20	4.24	1485.9E6	716.1E6	1956.968	1976.259
35) AR1260-A	6.06	6.07	3445.6E6	1695.6E6	1940.250	1973.094
36) AR1260-B	6.41	6.50	3607.1E6	2359.7E6	1969.290	1984.812
37) AR1260-C	6.87	6.99	2214.6E6	1377.1E6	1958.808	1987.809
38) AR1260-D	7.27	7.33	5563.6E6	3147.5E6	1909.039	1973.876
39) AR1260-E	7.63	7.79	3698.2E6	2115.5E6	1979.929m	1994.383

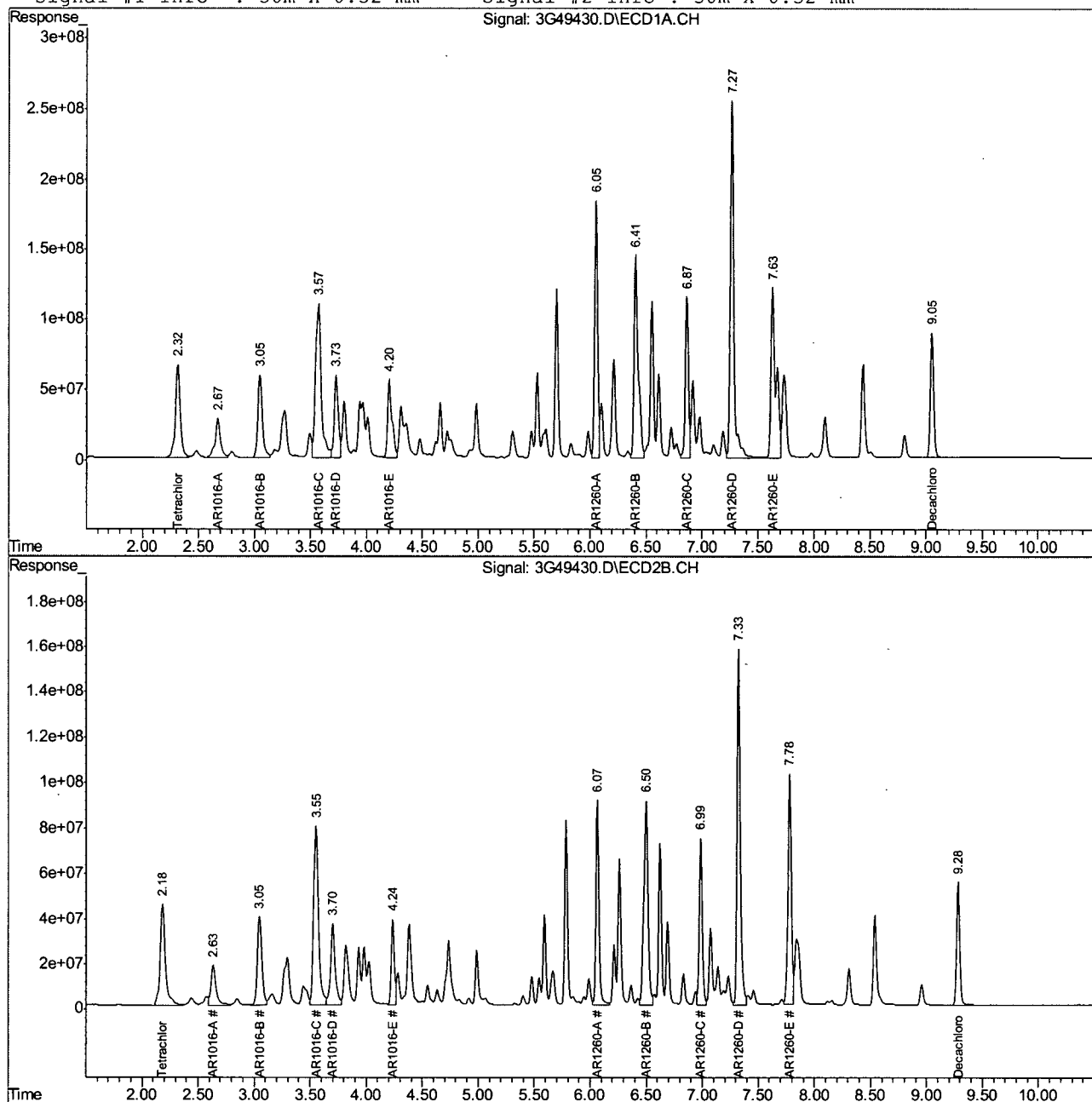
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49430.D PCB1826.M Mon Sep 27 11:32:00 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD1A.CH Vial: 33  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD2B.CH  
Acq On : 9-24-2010 08:39:33 PM Operator: toyar  
Sample : IC1826-2000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:31 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm



3G49430.D PCB1826.M

Mon Sep 27 11:32:00 2010

GC3G

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## Manual Integration Approval Summary

Page 1 of 1

**Sample Number:** G3G1826-IC1826

**Method:** SW846 8082

**Lab FileID:** 3G49430.D

**Analyst approved:** 09/28/10 11:23 Toya Dagena Raffington

**Injection Time:** 09/24/10 20:39

**Supervisor approved:** 09/29/10 16:39 Cheng-Hwan Ao

Parameter	CAS	Sig#	R.T. (min.)	Reason
AR1260-E		1	7.63	Split peak

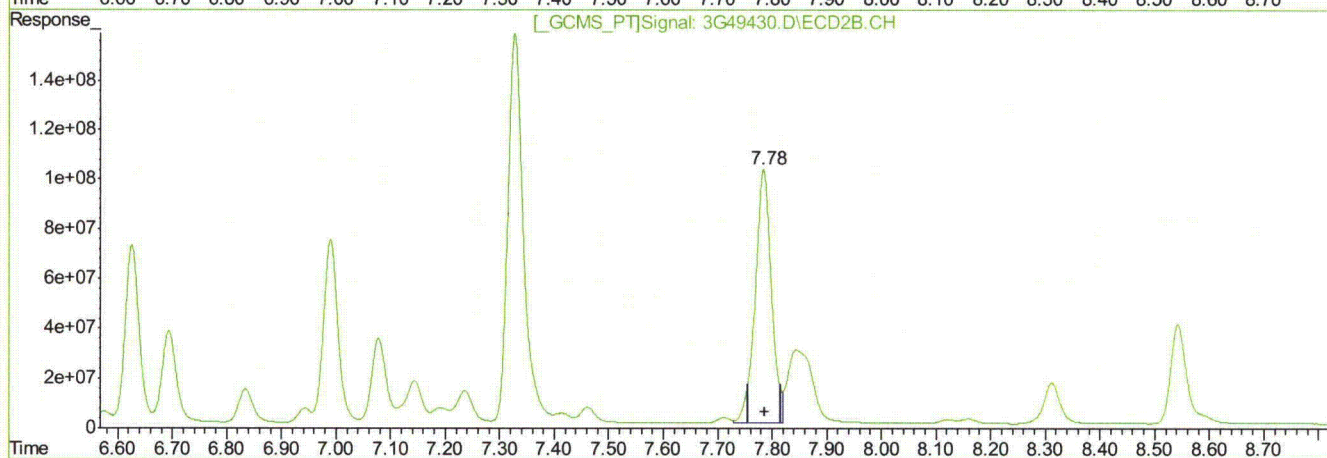
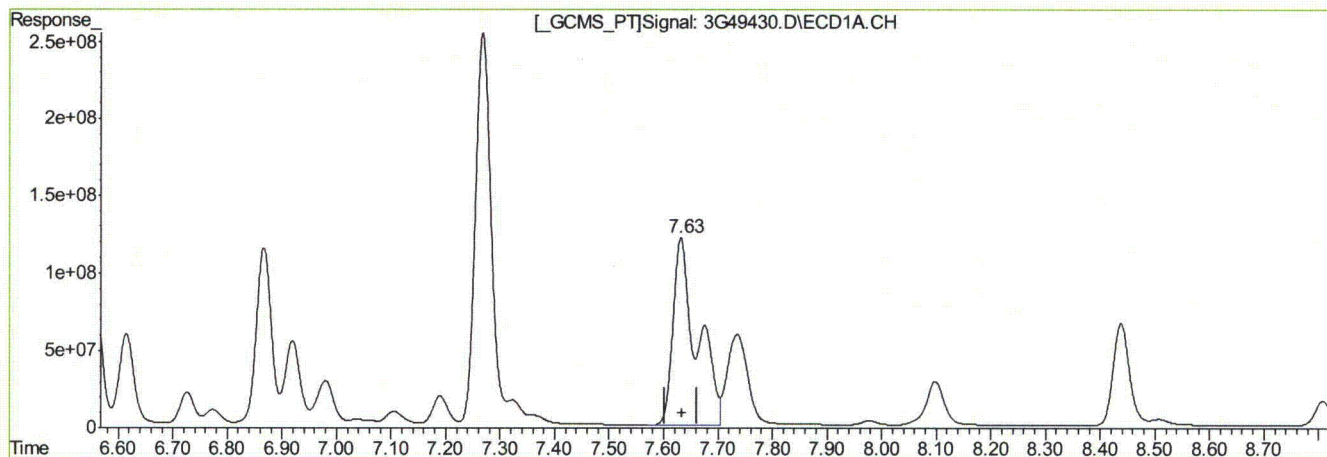
10.6.26.1

10

## Quantitation Report (Qedit)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD1A.CH Vial: 33  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49430.D\ECD2B.CH  
Acq On : 9-24-2010 08:39:33 PM Operator: toyar  
Sample : IC1826-2000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:31 2010 Quant Results File: PCB1826.RES

Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration



QEdit

(39) AR1260-E  
7.63min 1979.929PPB m  
response 3698164737

(39) AR1260-E #2  
7.79min 1994.383PPB  
response 2115497102

(+) = Expected Retention Time  
3G49430.D PCB1826.M Mon Sep 27 11:31:50 2010 GC3G

## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49431.D\ECD1A.CH Vial: 34  
 Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49431.D\ECD2B.CH  
 Acq On : 9-24-2010 08:54:38 PM Operator: toyar  
 Sample : IC1826-3000 Inst : GC3G  
 Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
 IntFile Signal #1: events.e IntFile Signal #2: events2.e  
 Quant Time: Sep 27 11:36:25 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
 Title :  
 Last Update : Mon Sep 27 11:26:06 2010  
 Response via : Initial Calibration  
 DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
 Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
 Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
-----						
System Monitoring Compounds						
1) S Tetrachloro-m-xy	2.32	2.18	3059.0E6	2229.4E6	122.047	120.906
Spiked Amount 40.000			Recovery	=	305.12%	302.26%
50) S Decachlorobiphen	9.05	9.29	2825.4E6	1635.6E6	119.923	121.510
Spiked Amount 40.000			Recovery	=	299.81%	303.77%
Target Compounds						
30) AR1016-A	2.67	2.63	1374.1E6	858.9E6	2916.793	2856.141
31) AR1016-B	3.05	3.05	2502.9E6	1708.8E6	2942.990	2934.935
32) AR1016-C	3.57	3.55	5836.9E6	3778.5E6	2921.913	3054.141
33) AR1016-D	3.73	3.70	2214.9E6	1580.2E6	2994.999	2916.312
34) AR1016-E	4.20	4.24	2280.3E6	1101.3E6	3003.263	3039.166
35) AR1260-A	6.05	6.07	5196.3E6	2682.0E6	2926.117	3120.935
36) AR1260-B	6.41	6.50	5782.4E6	3639.0E6	3156.890	3060.879
37) AR1260-C	6.87	6.99	3382.4E6	2128.0E6	2991.653	3071.752
38) AR1260-D	7.27	7.33	8336.9E6	4796.9E6	2860.631	3008.282
39) AR1260-E	7.63	7.78	5654.6E6	3276.6E6	3027.364	3088.996

10.6.27 10

-----  
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
 3G49431.D PCB1826.M Mon Sep 27 11:36:48 2010 GC3G



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49431.D\ECD1A.CH Vial: 34  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49431.D\ECD2B.CH  
Acq On : 9-24-2010 08:54:38 PM Operator: toyar  
Sample : IC1826-3000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:36 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:26:06 2010  
Response via : Multiple Level Calibration  
DataAcq Meth : PCB1826.M

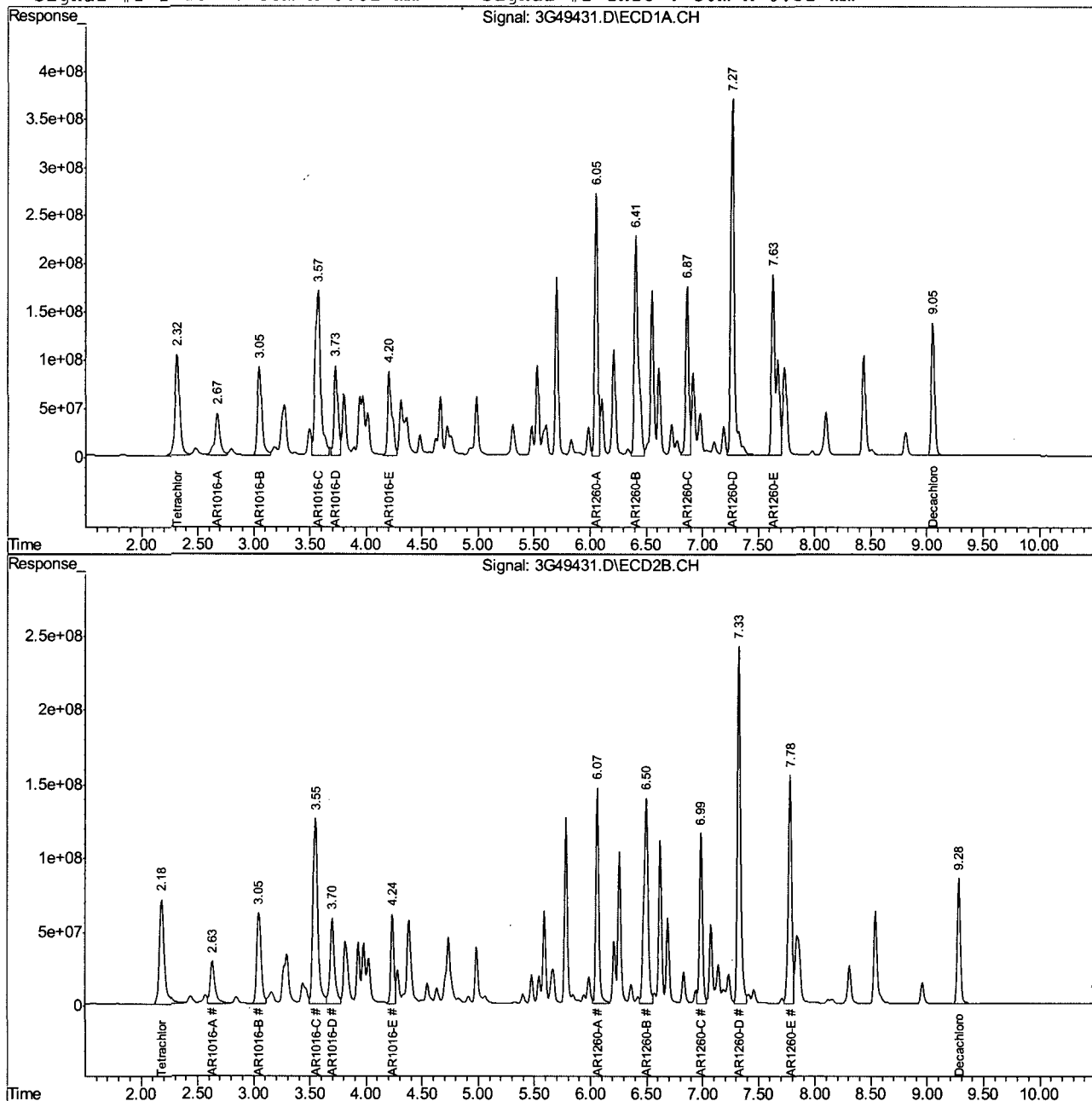
Volume Inj. : 1ul

Signal #1 Phase : RTX-CLP1

Signal #2 Phase: RTX-CLP2

Signal #1 Info : 30m X 0.32 mm

Signal #2 Info : 30m X 0.32 mm



## Quantitation Report (QT Reviewed)

Signal #1 : C:\MSDCHEM\1\DATA\1826\3G49432.D\ECD1A.CH Vial: 35  
Signal #2 : C:\MSDCHEM\1\DATA\1826\3G49432.D\ECD2B.CH  
Acq On : 9-24-2010 09:09:43 PM Operator: toyar  
Sample : ICV1826-1000 Inst : GC3G  
Misc : OP45784,g3g1826,17.0,,,10,1 Multiplr: 1.00  
IntFile Signal #1: events.e IntFile Signal #2: events2.e  
Quant Time: Sep 27 11:38:20 2010 Quant Results File: PCB1826.RES

Quant Method : C:\MSDCHEM\1\METHODS\PCB1826.M (Chemstation Integrator)  
Title :  
Last Update : Mon Sep 27 11:38:08 2010  
Response via : Initial Calibration  
DataAcq Meth : PCB1826.M

Volume Inj. : 1ul  
Signal #1 Phase : RTX-CLP1 Signal #2 Phase: RTX-CLP2  
Signal #1 Info : 30m X 0.32 mm Signal #2 Info : 30m X 0.32 mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
----------	------	------	--------	--------	-----	-----

## System Monitoring Compounds

## Target Compounds

30)	AR1016-A	2.67	2.64	468.0E6	299.9E6	969.717	994.640
31)	AR1016-B	3.05	3.05	857.3E6	581.9E6	990.451	980.863
32)	AR1016-C	3.58	3.56	2009.7E6	1246.0E6	1003.039	1012.725
33)	AR1016-D	3.73	3.70	740.2E6	538.7E6	982.911	993.665
34)	AR1016-E	4.20	4.24	762.7E6	362.4E6	995.487	981.830
35)	AR1260-A	6.06	6.07	1774.2E6	899.3E6	1008.636	1025.227
36)	AR1260-B	6.41	6.50	1914.4E6	1174.5E6	1025.264	985.838
37)	AR1260-C	6.87	6.99	1172.4E6	721.1E6	1025.976	1025.052
38)	AR1260-D	7.27	7.33	3052.6E6	1679.0E6	1066.149	1060.120
39)	AR1260-E	7.63	7.79	1925.2E6	1097.1E6	1029.952	1025.139

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.  
3G49432.D PCB1826.M Mon Sep 27 11:38:52 2010 GC3G