

John Hamilton
11/08/10 15:13

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28458.D\dad1b.ch Vial: 9
Acq On : 21-Oct-2010, 19:37:34 Operator: caobinz
Sample : ja58750-5 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28458.D\dad1a.ch Vial: 9
Acq On : 21-Oct-2010, 19:37:34 Operator: caobinz
Sample : ja58750-5 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:04 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.37	13.38	1262631	2305769	60.556	61.223m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 121.11%#	122.45%#
Target Compounds						
2) Acetaldehyde	9.08	9.10	104711	250015	1.100m	397.301m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28458.D FM102110.M Fri Oct 22 10:51:32 2010 RPT1

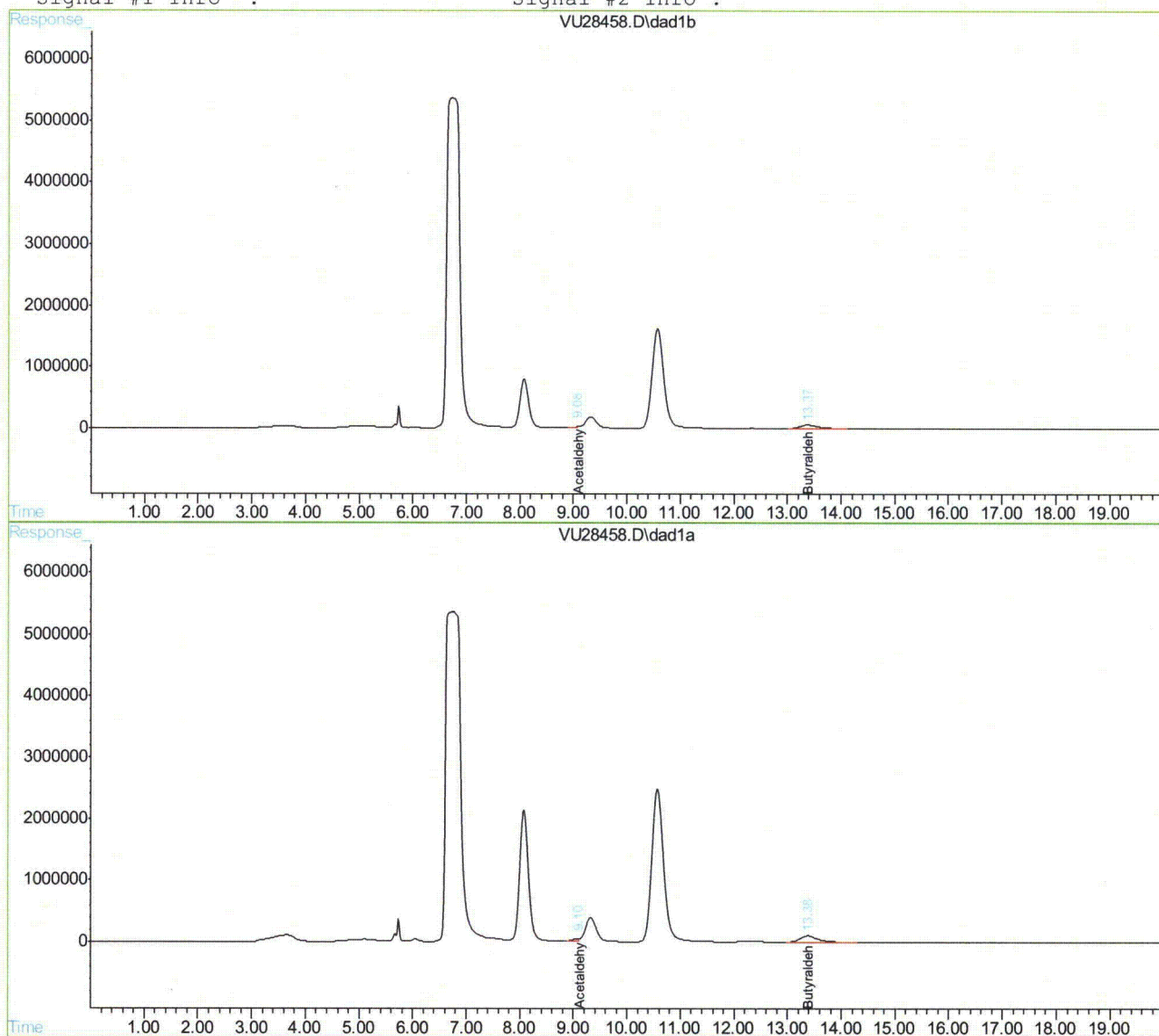
Quantitation Report

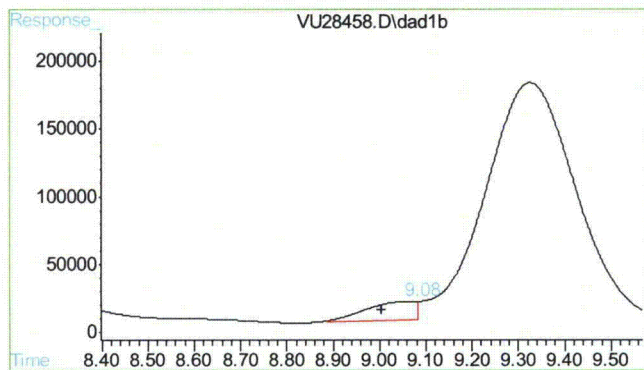
Data File : D:\HPLC2\DATA\102110\VU28458.D\dad1b.ch Vial: 9
Acq On : 21-Oct-2010, 19:37:34 Operator: caobinz
Sample : ja58750-5 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28458.D\dad1a.ch Vial: 9
Acq On : 21-Oct-2010, 19:37:34 Operator: caobinz
Sample : ja58750-5 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:04 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

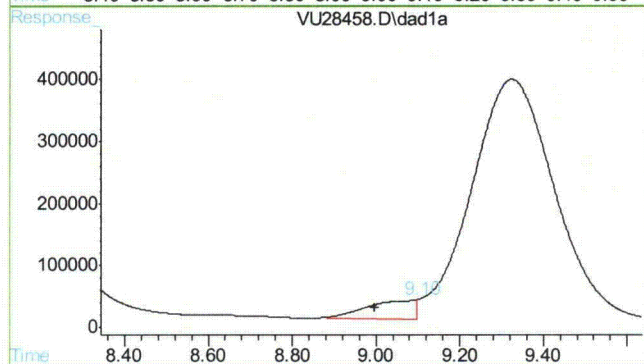
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





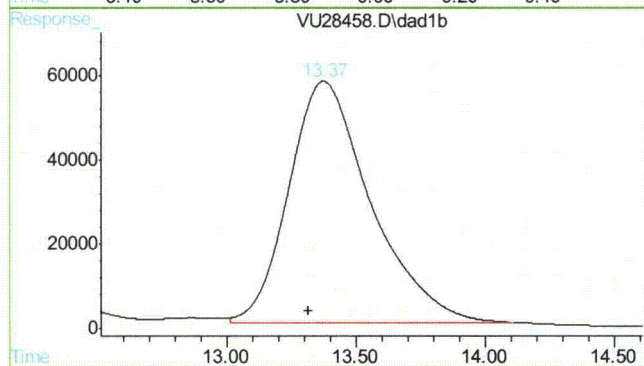
#2 Acetaldehyde

R.T.: 9.082 min
Delta R.T.: 0.078 min
Response: 104711
Conc: 1.10 ppm m



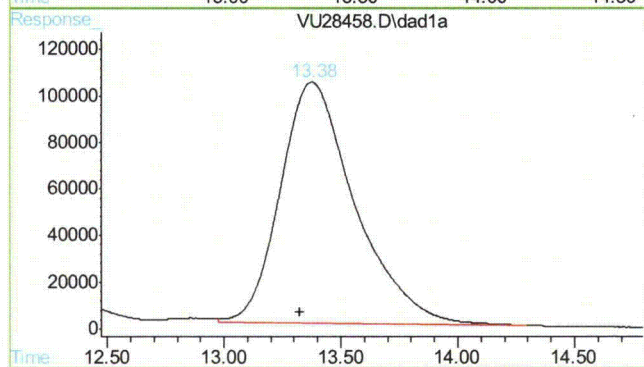
#2 Acetaldehyde

R.T.: 9.099 min
Delta R.T.: 0.103 min
Response: 250015
Conc: 397.30 ppm m



#3 Butyraldehyde

R.T.: 13.374 min
Delta R.T.: 0.055 min
Response: 1262631
Conc: 60.56 ug/ml



#3 Butyraldehyde

R.T.: 13.377 min
Delta R.T.: 0.053 min
Response: 2305769
Conc: 61.22 ug/ml m

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28501.D\dad1b.ch Vial: 9
 Acq On : 22-Oct-2010, 11:53:52 Operator: caobinz
 Sample : ja58750-5,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28501.D\dad1a.ch Vial: 9
 Acq On : 22-Oct-2010, 11:53:52 Operator: caobinz
 Sample : ja58750-5,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 22 13:45 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.43	13.43	250347	463307	11.860m	12.432m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	23.72% 24.86%
Target Compounds						
1) Formaldehyde	8.07	8.07	1736278	4679777	64.236m	63.243m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28501.D FM102210.M Sat Oct 23 10:54:48 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28501.D\dad1b.ch
Acq On : 22-Oct-2010, 11:53:52
Sample : ja58750-5,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 9
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28501.D\dad1a.ch
Acq On : 22-Oct-2010, 11:53:52
Sample : ja58750-5,1ul
Misc :
IntFile : rteint2.p

Vial: 9
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 13:45 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

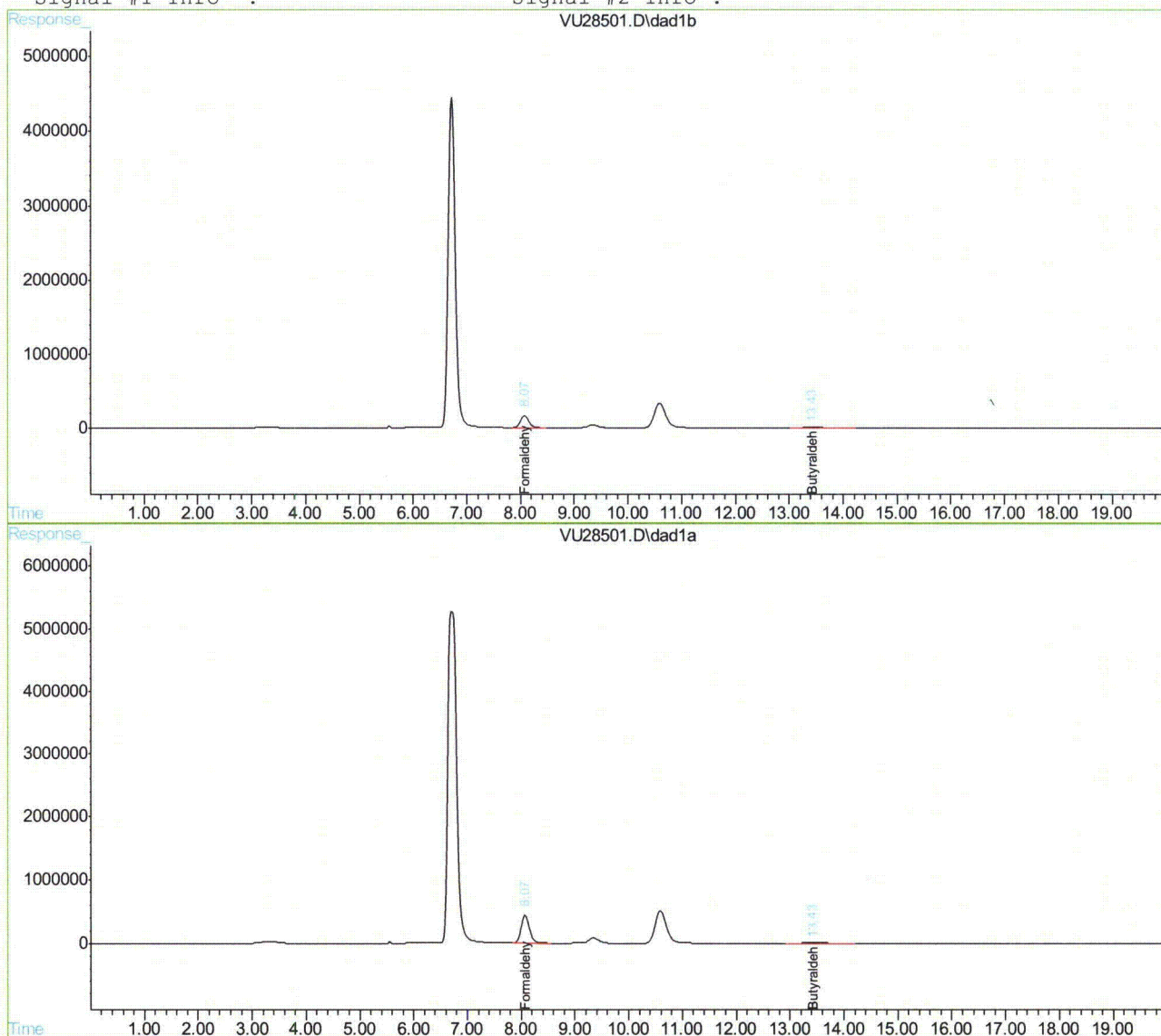
Volume Inj. :

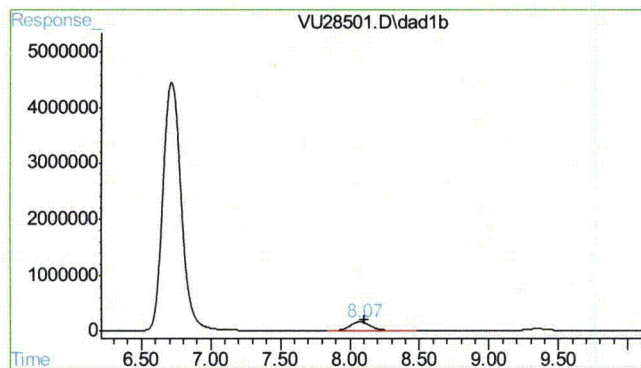
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

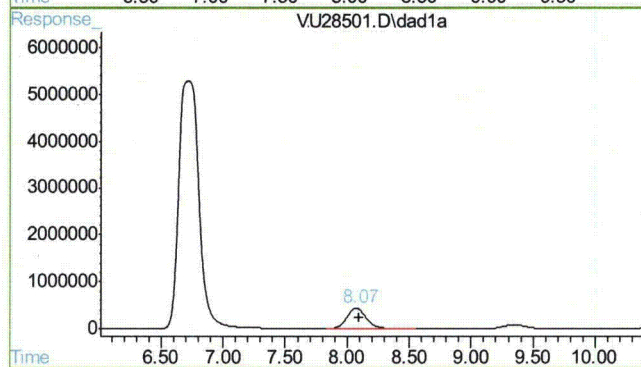
Signal #2 Info :





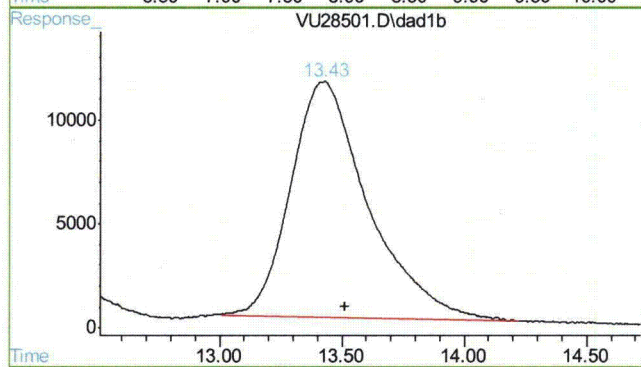
#1 Formaldehyde

R.T.: 8.072 min
Delta R.T.: -0.030 min
Response: 1736278
Conc: 64.24 ppm m



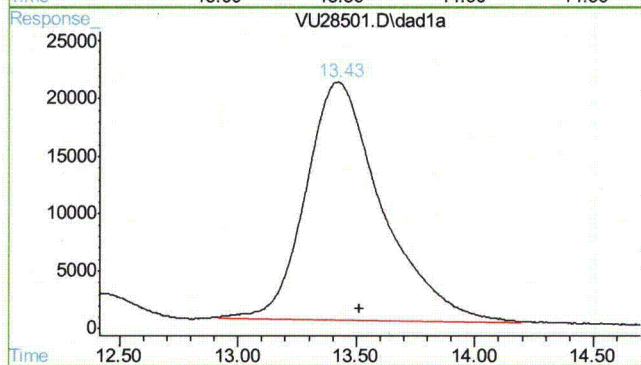
#1 Formaldehyde

R.T.: 8.072 min
Delta R.T.: -0.030 min
Response: 4679777
Conc: 63.24 ppm m



#3 Butyraldehyde

R.T.: 13.428 min
Delta R.T.: -0.083 min
Response: 250347
Conc: 11.86 ug/ml m



#3 Butyraldehyde

R.T.: 13.427 min
Delta R.T.: -0.085 min
Response: 463307
Conc: 12.43 ug/ml m

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28459.D\dad1b.ch Vial: 10
Acq On : 21-Oct-2010, 19:58:31 Operator: caobinz
Sample : ja58750-6 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28459.D\dad1a.ch Vial: 10
Acq On : 21-Oct-2010, 19:58:31 Operator: caobinz
Sample : ja58750-6 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:05 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.41	13.41	1223852	2209923	58.428	58.347m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 116.86%#	116.69%#
Target Compounds						
2) Acetaldehyde	9.11	9.11f	131334	253619	1.609m	397.263m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28459.D FM102110.M Fri Oct 22 10:51:37 2010 RPT1

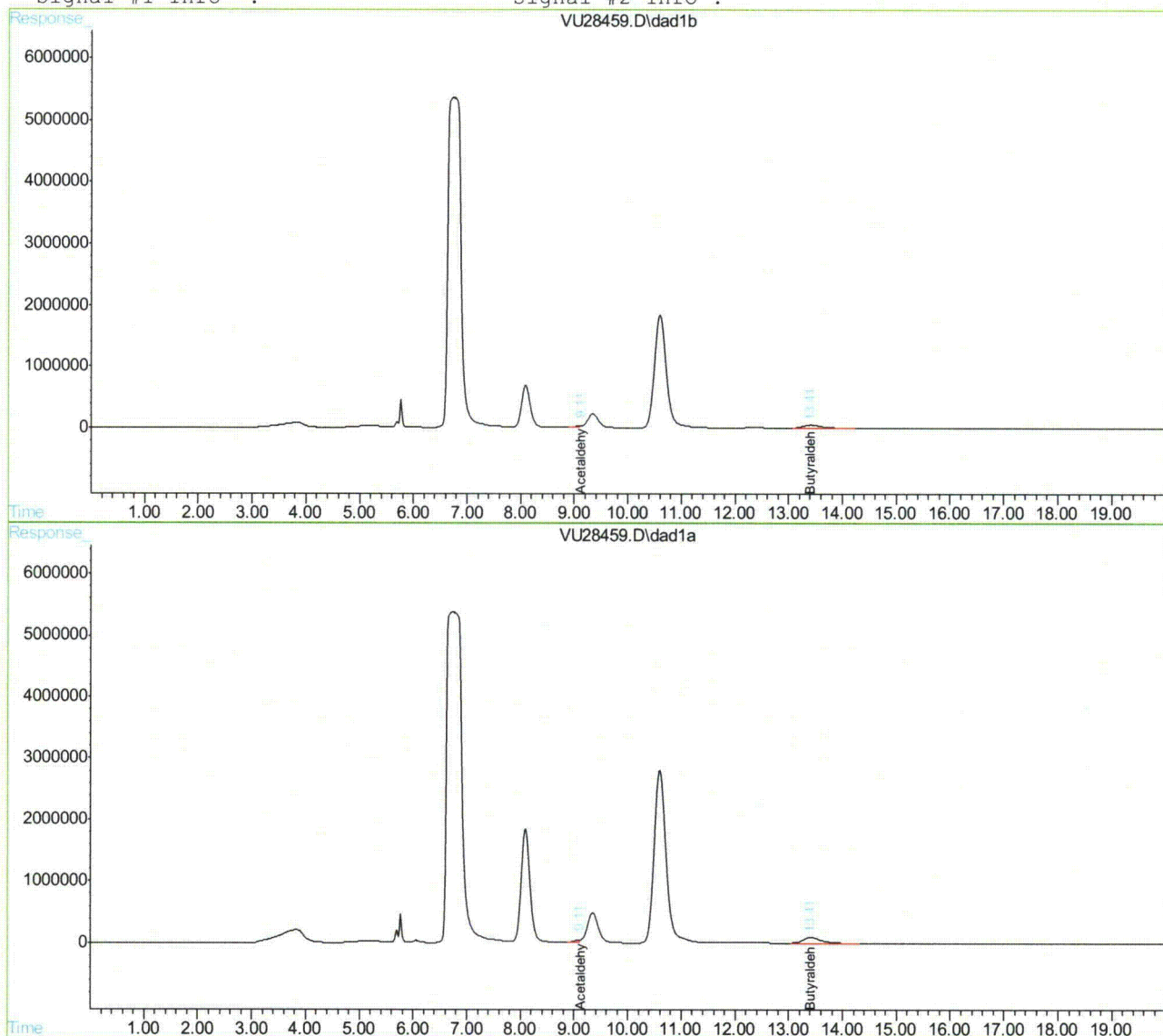
Quantitation Report

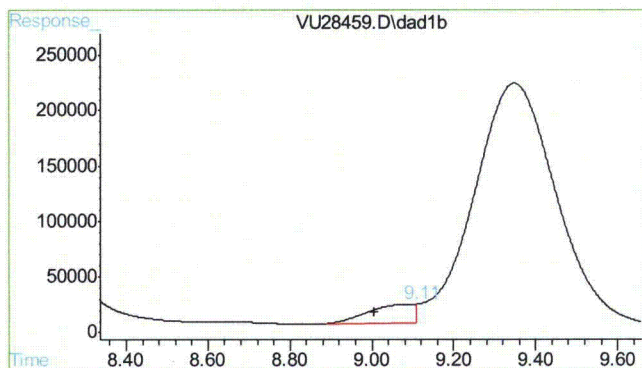
Data File : D:\HPLC2\DATA\102110\VU28459.D\dad1b.ch Vial: 10
Acq On : 21-Oct-2010, 19:58:31 Operator: caobinz
Sample : ja58750-6 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28459.D\dad1a.ch Vial: 10
Acq On : 21-Oct-2010, 19:58:31 Operator: caobinz
Sample : ja58750-6 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:05 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

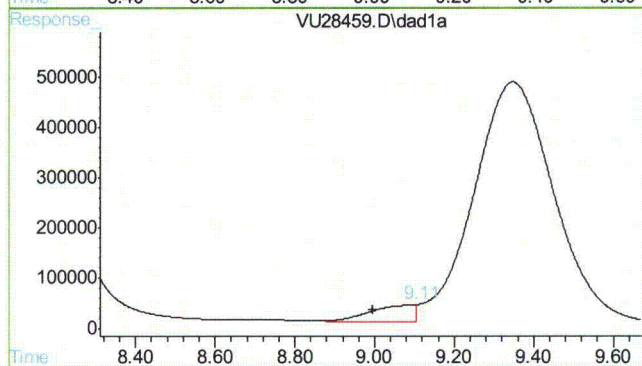
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





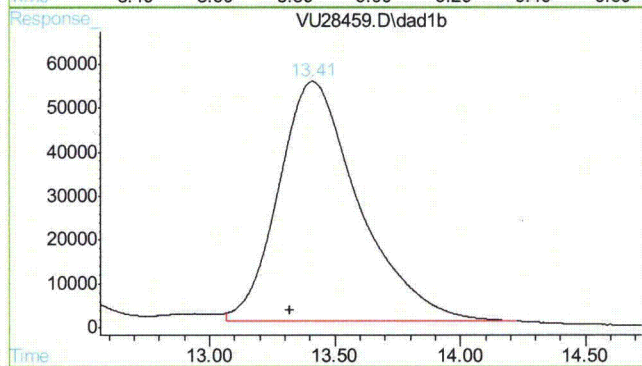
#2 Acetaldehyde

R.T.: 9.108 min
Delta R.T.: 0.104 min
Response: 131334
Conc: 1.61 ppm m



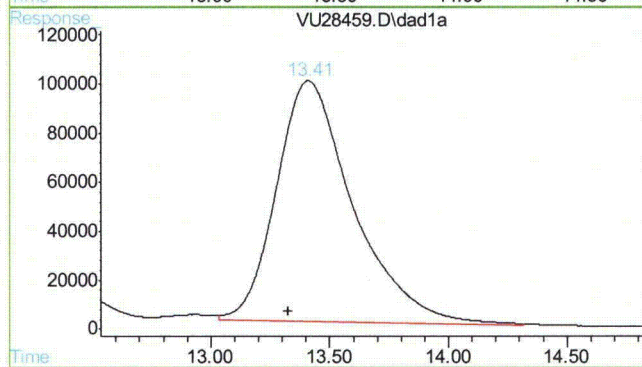
#2 Acetaldehyde

R.T.: 9.105 min
Delta R.T.: 0.109 min
Response: 253619
Conc: 397.26 ppm m



#3 Butyraldehyde

R.T.: 13.407 min
Delta R.T.: 0.088 min
Response: 1223852
Conc: 58.43 ug/ml



#3 Butyraldehyde

R.T.: 13.409 min
Delta R.T.: 0.084 min
Response: 2209923
Conc: 58.35 ug/ml m

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28502.D\dad1b.ch Vial: 10
 Acq On : 22-Oct-2010, 12:14:44 Operator: caobinz
 Sample : ja58750-6,1ul Inst : G1315A
 Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28502.D\dad1a.ch Vial: 10
 Acq On : 22-Oct-2010, 12:14:44 Operator: caobinz
 Sample : ja58750-6,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 22 13:46 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
3) s Butyraldehyde	13.38	13.39	232591	432781	11.104	11.715m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 22.21%	23.43%

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
Target Compounds						
1) Formaldehyde	8.06	8.06	1508187	4074913	53.682m	52.941m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28502.D FM102210.M Sat Oct 23 10:54:54 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28502.D\dad1b.ch
Acq On : 22-Oct-2010, 12:14:44
Sample : ja58750-6,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 10
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28502.D\dad1a.ch
Acq On : 22-Oct-2010, 12:14:44
Sample : ja58750-6,1ul
Misc :
IntFile : rteint2.p

Vial: 10
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 13:46 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

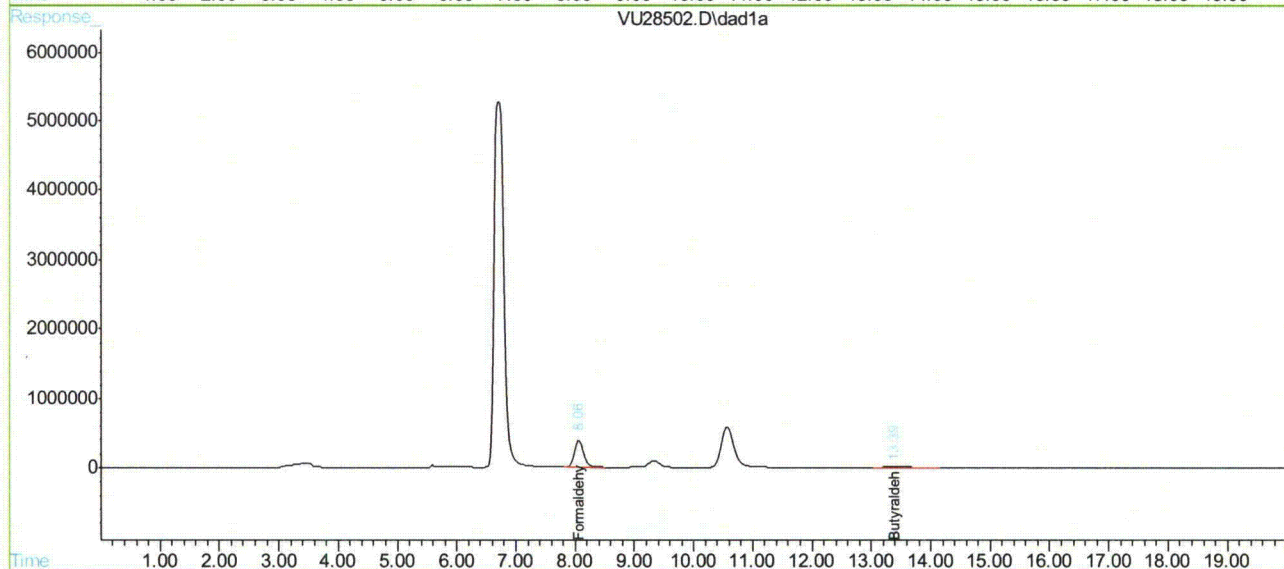
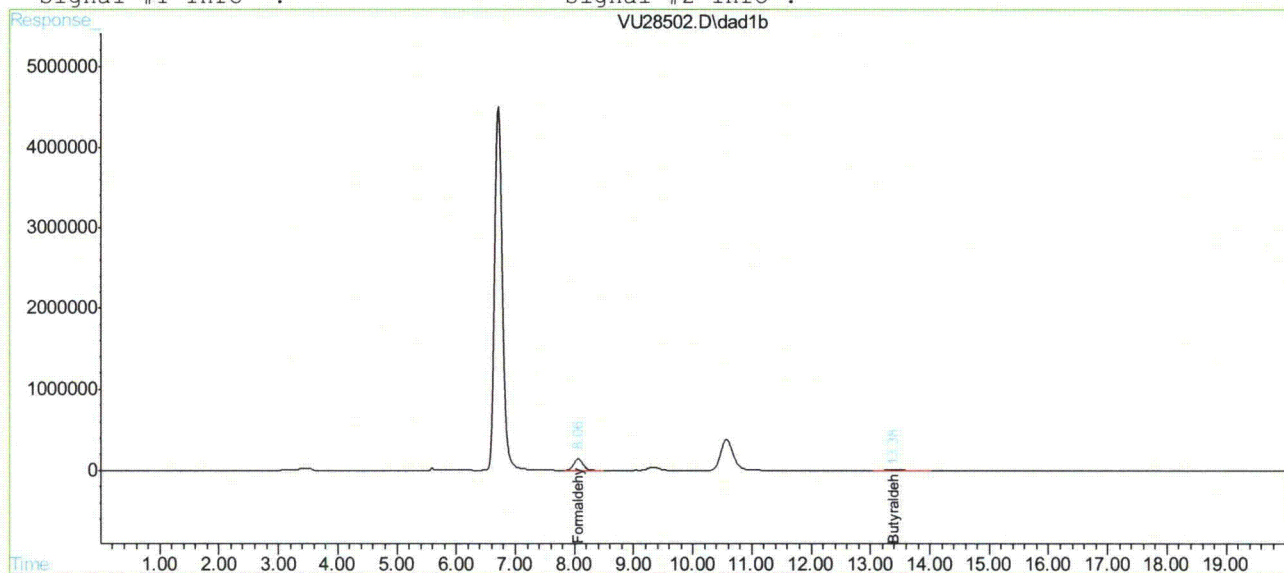
Volume Inj. :

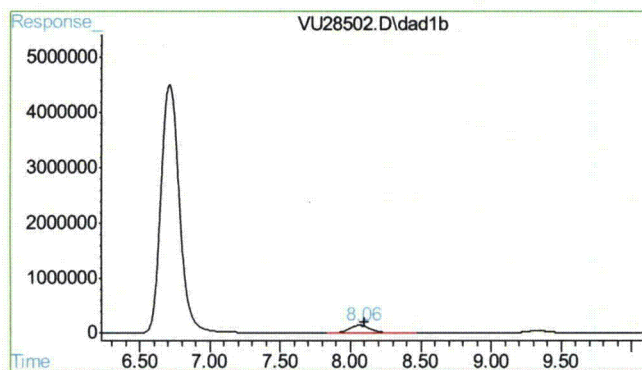
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

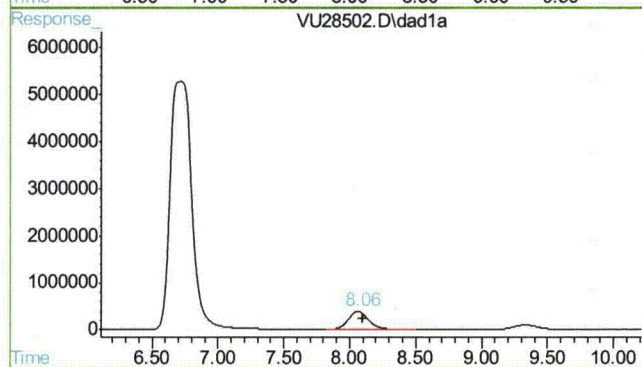
Signal #2 Info :





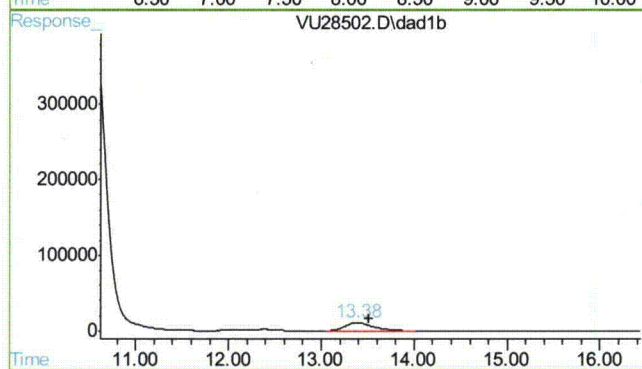
#1 Formaldehyde

R.T.: 8.062 min
Delta R.T.: -0.040 min
Response: 1508187
Conc: 53.68 ppm m



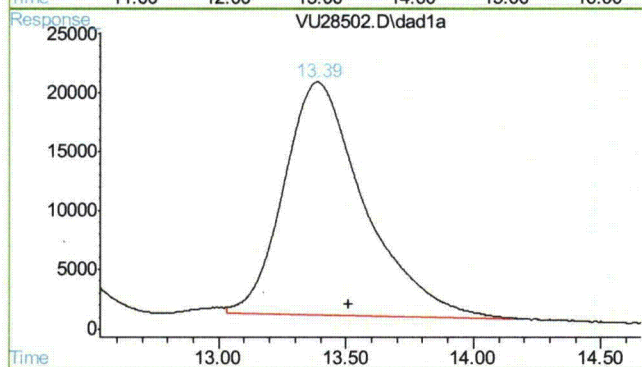
#1 Formaldehyde

R.T.: 8.062 min
Delta R.T.: -0.040 min
Response: 4074913
Conc: 52.94 ppm m



#3 Butyraldehyde

R.T.: 13.385 min
Delta R.T.: -0.127 min
Response: 232591
Conc: 11.10 ug/ml



#3 Butyraldehyde

R.T.: 13.388 min
Delta R.T.: -0.123 min
Response: 432781
Conc: 11.71 ug/ml m

John Hamilton
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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28461.D\dad1b.ch Vial: 11
Acq On : 21-Oct-2010, 20:40:25 Operator: caobinz
Sample : ja58750-7 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28461.D\dad1a.ch Vial: 11
Acq On : 21-Oct-2010, 20:40:25 Operator: caobinz
Sample : ja58750-7 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:23 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.48	13.48	964624	1736874	44.850	44.799m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	89.70% 89.60%
Target Compounds						
2) Acetaldehyde	9.14f	9.15f	94483	192816	0.905m	397.908m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28461.D FM102110.M Fri Oct 22 10:51:47 2010 RPT1

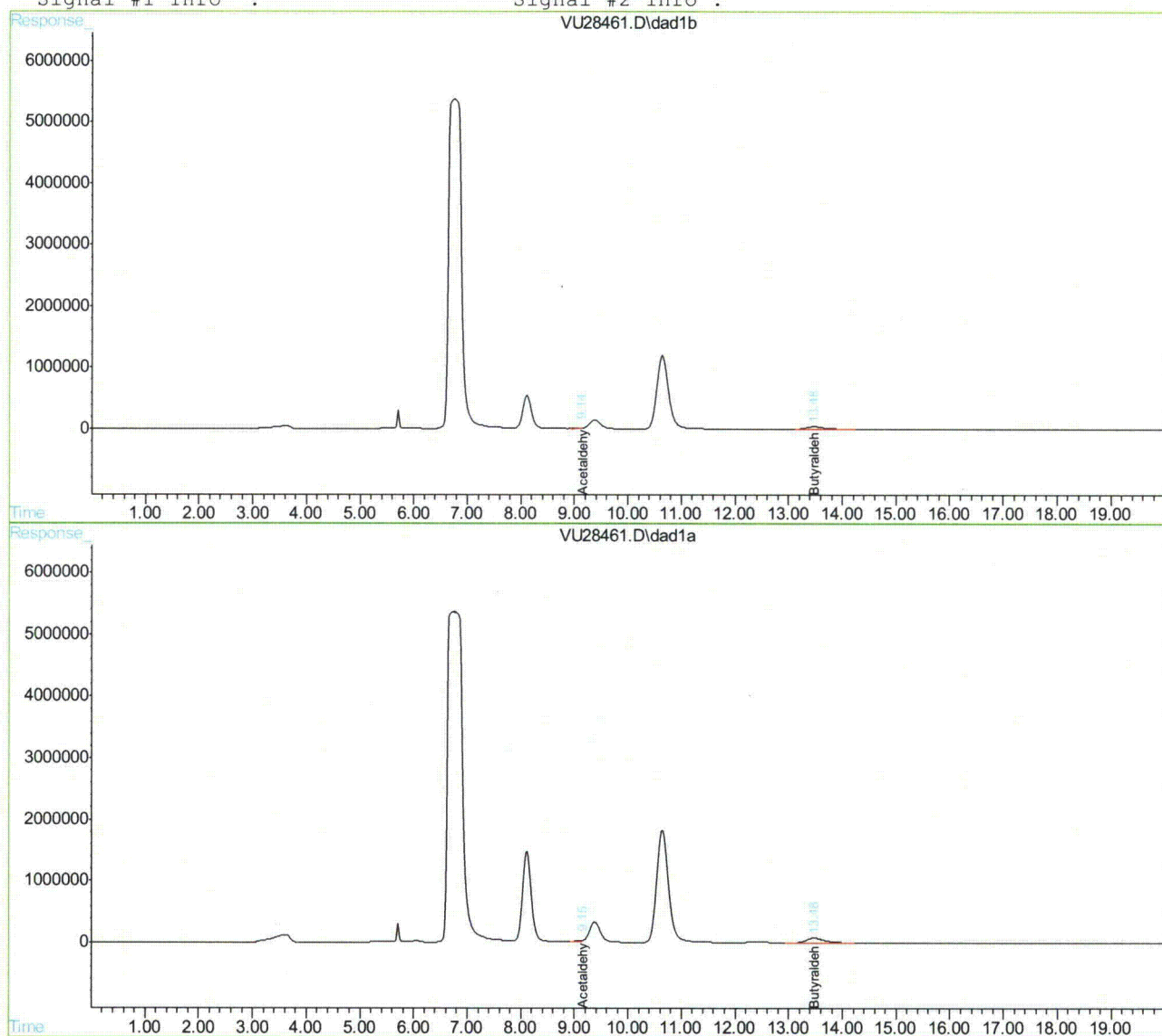
Quantitation Report

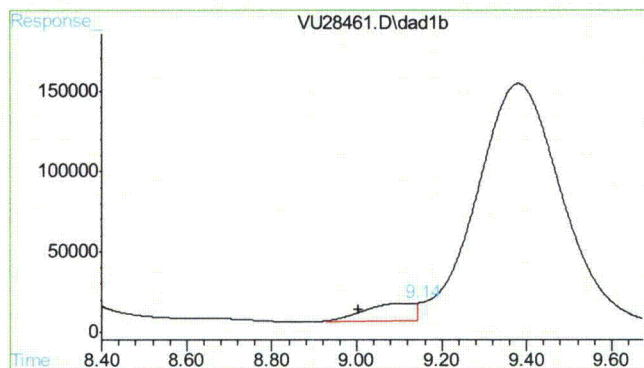
Data File : D:\HPLC2\DATA\102110\VU28461.D\dad1b.ch Vial: 11
Acq On : 21-Oct-2010, 20:40:25 Operator: caobinz
Sample : ja58750-7 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28461.D\dad1a.ch Vial: 11
Acq On : 21-Oct-2010, 20:40:25 Operator: caobinz
Sample : ja58750-7 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:23 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

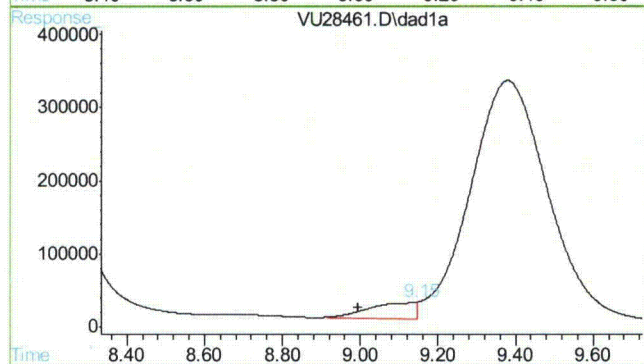
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





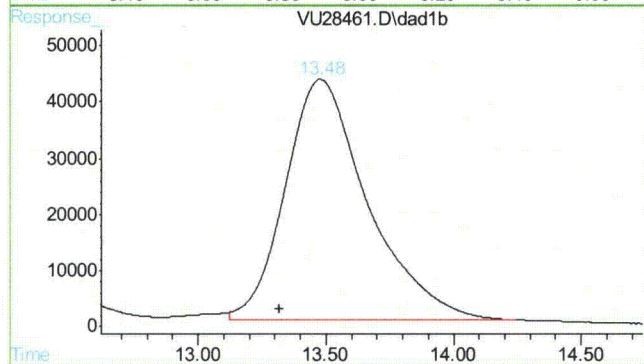
#2 Acetaldehyde

R.T.: 9.143 min
Delta R.T.: 0.139 min
Response: 94483
Conc: 0.91 ppm m



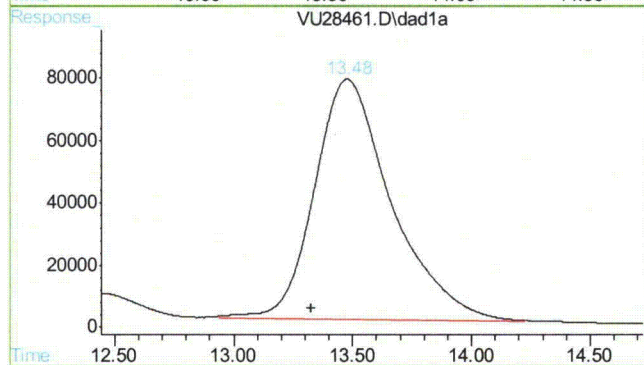
#2 Acetaldehyde

R.T.: 9.146 min
Delta R.T.: 0.150 min
Response: 192816
Conc: 397.91 ppm m



#3 Butyraldehyde

R.T.: 13.476 min
Delta R.T.: 0.157 min
Response: 964624
Conc: 44.85 ug/ml



#3 Butyraldehyde

R.T.: 13.478 min
Delta R.T.: 0.154 min
Response: 1736874
Conc: 44.80 ug/ml m

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28504.D\dad1b.ch Vial: 11
Acq On : 22-Oct-2010, 12:56:31 Operator: caobinz
Sample : ja58750-7,1ul Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28504.D\dad1a.ch Vial: 11
Acq On : 22-Oct-2010, 12:56:31 Operator: caobinz
Sample : ja58750-7,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 13:48 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
3) s Butyraldehyde	13.35	13.35	191528	347973	9.368m	9.733m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	18.74% 19.47%

Target Compounds						
1) Formaldehyde	8.05	8.05	1199790	3238616	40.637m	39.947m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28504.D FM102210.M Sat Oct 23 10:55:05 2010 RPT1

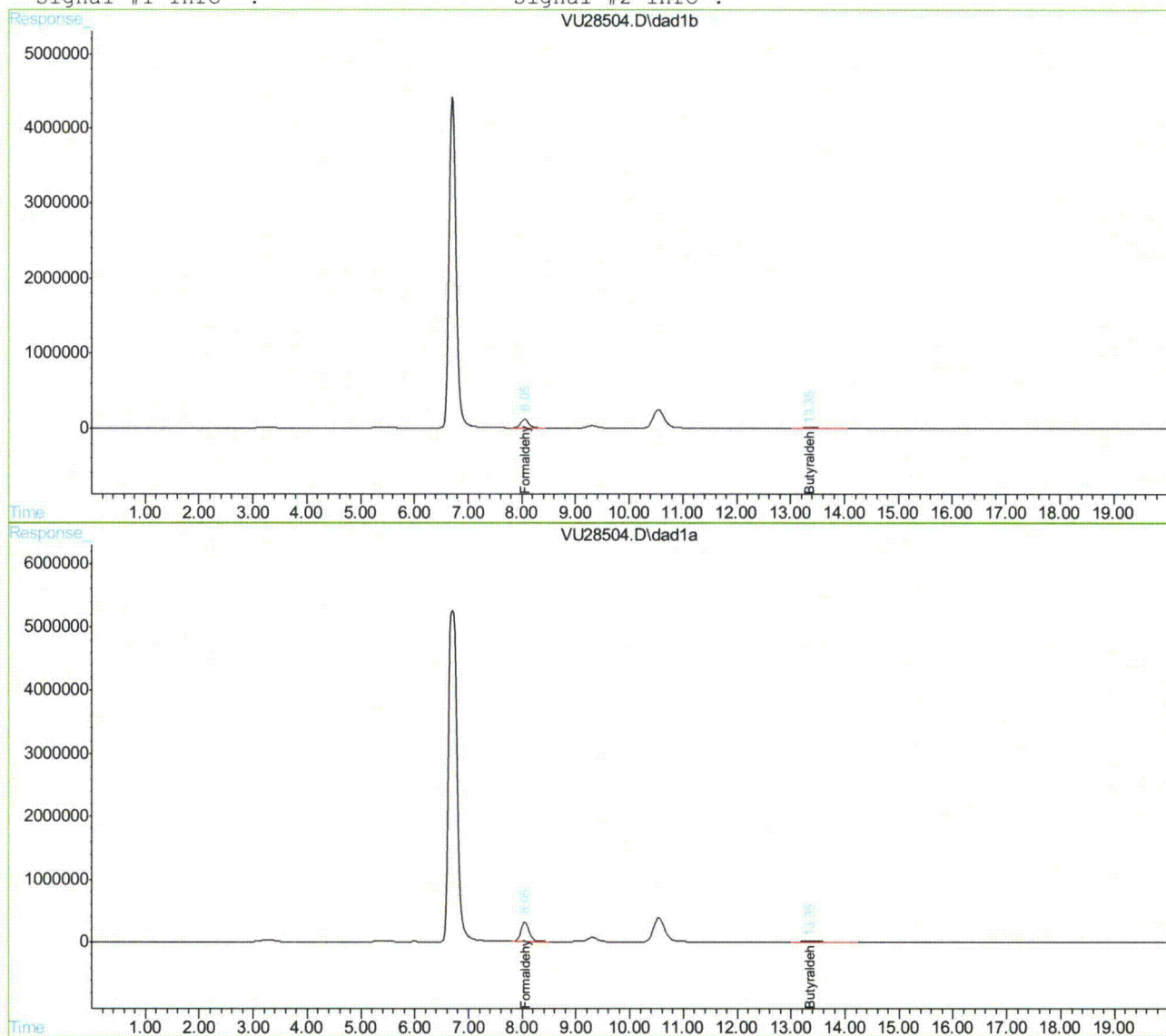
Quantitation Report

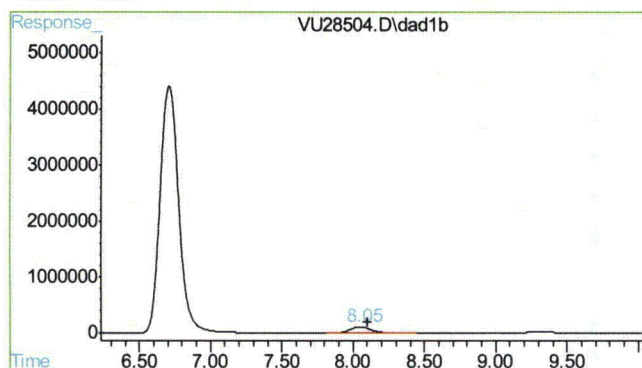
Data File : D:\HPLC2\DATA\102210\VU28504.D\dad1b.ch Vial: 11
Acq On : 22-Oct-2010, 12:56:31 Operator: caobinz
Sample : ja58750-7,1ul Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28504.D\dad1a.ch Vial: 11
Acq On : 22-Oct-2010, 12:56:31 Operator: caobinz
Sample : ja58750-7,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 13:48 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

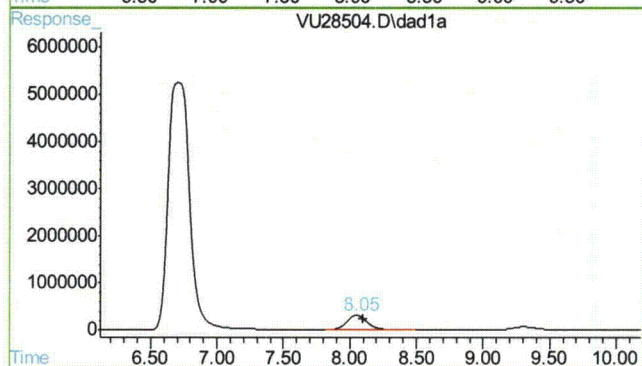
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





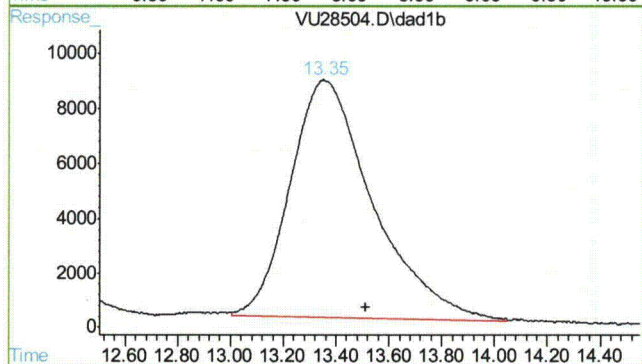
#1 Formaldehyde

R.T.: 8.047 min
Delta R.T.: -0.054 min
Response: 1199790
Conc: 40.64 ppm m



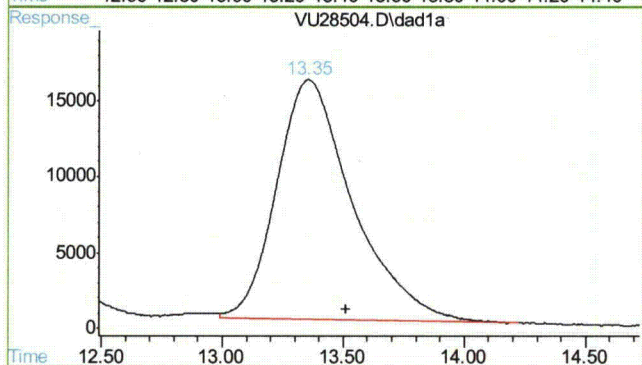
#1 Formaldehyde

R.T.: 8.047 min
Delta R.T.: -0.054 min
Response: 3238616
Conc: 39.95 ppm m



#3 Butyraldehyde

R.T.: 13.351 min
Delta R.T.: -0.161 min
Response: 191528
Conc: 9.37 ug/ml m



#3 Butyraldehyde

R.T.: 13.352 min
Delta R.T.: -0.159 min
Response: 347973
Conc: 9.73 ug/ml m

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28462.D\dad1b.ch Vial: 12
Acq On : 21-Oct-2010, 21:01:18 Operator: caobinz
Sample : ja58750-8 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28462.D\dad1a.ch Vial: 12
Acq On : 21-Oct-2010, 21:01:18 Operator: caobinz
Sample : ja58750-8 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:25 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

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

3) s Butyraldehyde	13.59	13.59	1003191	1839458	46.804m	47.653m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	93.61% 95.31%

Target Compounds

1) Formaldehyde	8.11	8.11	272050	715059	7.082m	6.569m
2) Acetaldehyde	9.11	9.11f	127893	214922	1.543m	397.674m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28462.D FM102110.M Fri Oct 22 10:51:54 2010 RPT1

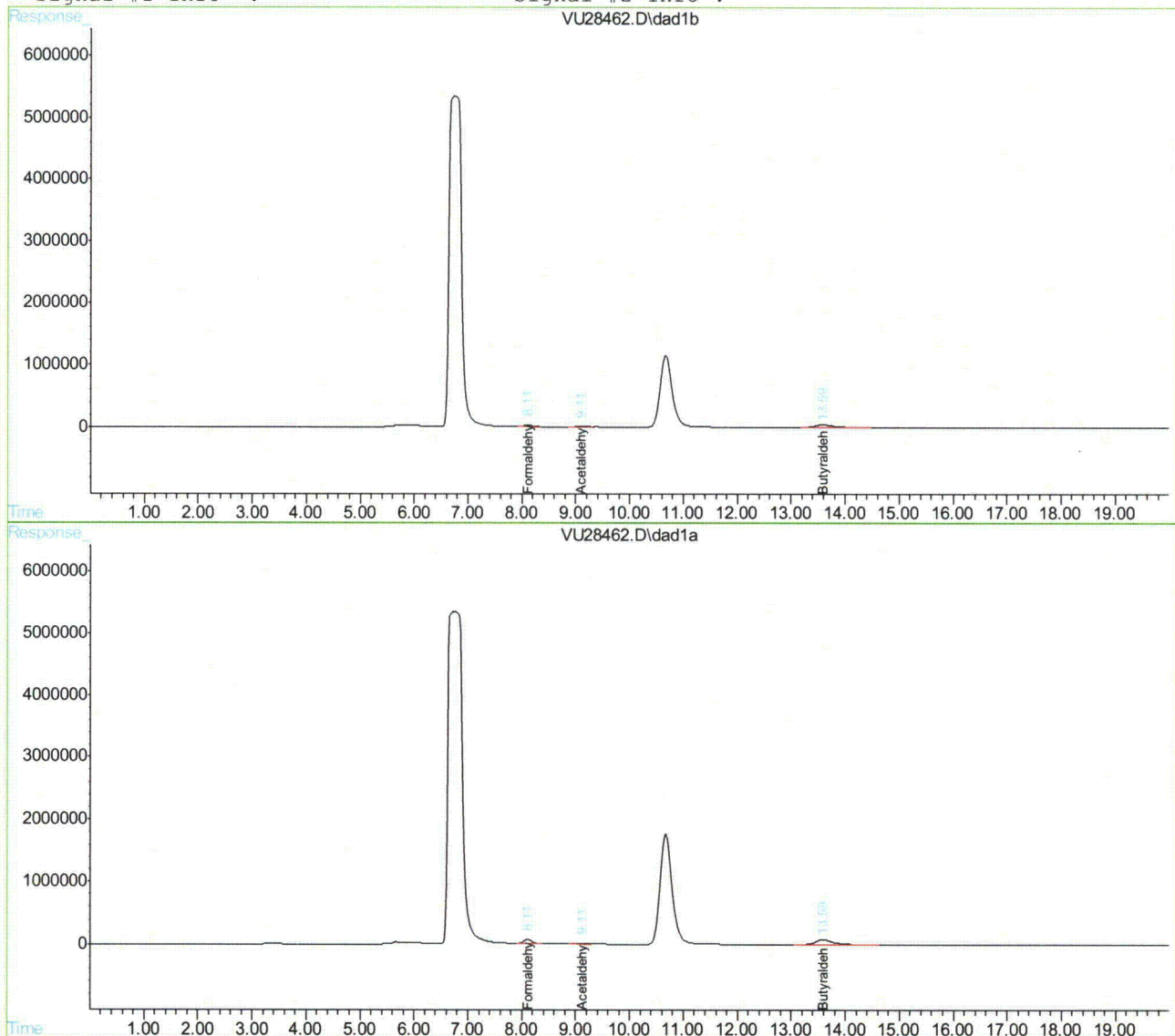
Quantitation Report

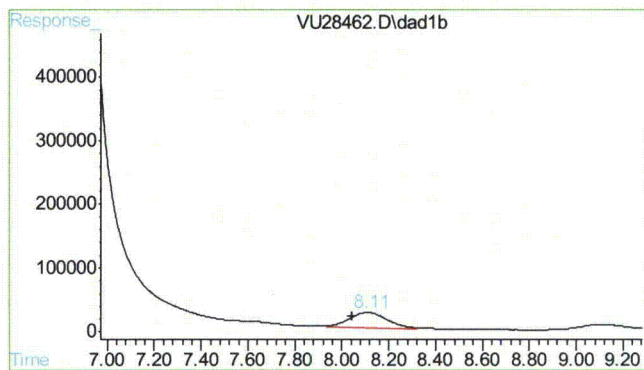
Data File : D:\HPLC2\DATA\102110\VU28462.D\dad1b.ch Vial: 12
Acq On : 21-Oct-2010, 21:01:18 Operator: caobinz
Sample : ja58750-8 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28462.D\dad1a.ch Vial: 12
Acq On : 21-Oct-2010, 21:01:18 Operator: caobinz
Sample : ja58750-8 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:25 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

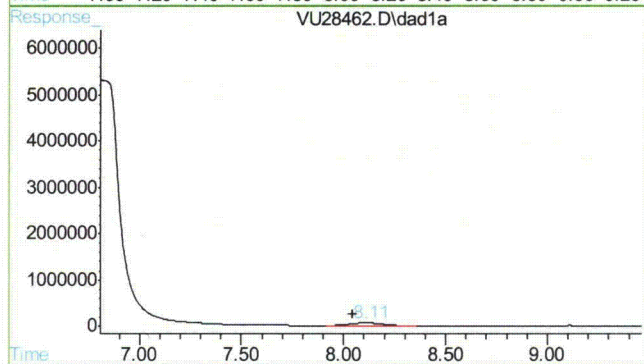
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





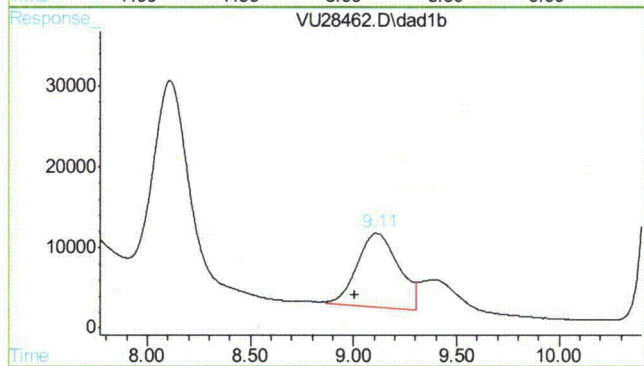
#1 Formaldehyde

R.T.: 8.108 min
Delta R.T.: 0.063 min
Response: 272050
Conc: 7.08 ppm m



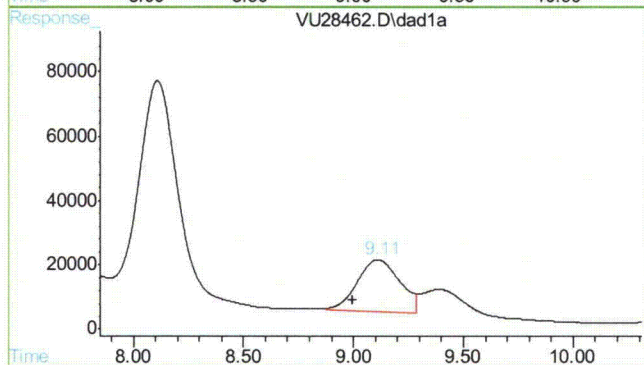
#1 Formaldehyde

R.T.: 8.109 min
Delta R.T.: 0.064 min
Response: 715059
Conc: 6.57 ppm m



#2 Acetaldehyde

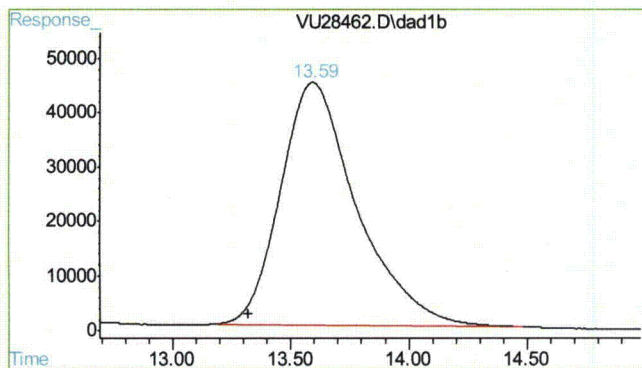
R.T.: 9.106 min
Delta R.T.: 0.102 min
Response: 127893
Conc: 1.54 ppm m



#2 Acetaldehyde

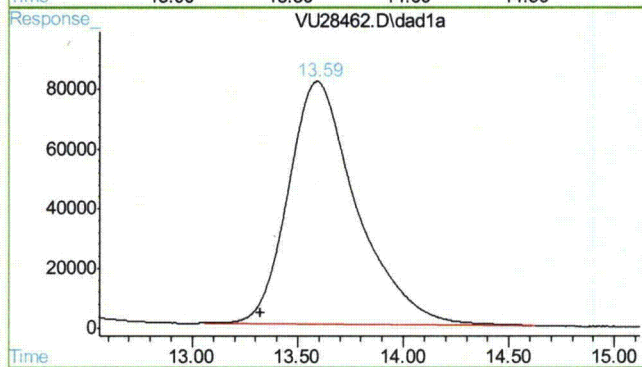
R.T.: 9.108 min
Delta R.T.: 0.112 min
Response: 214922
Conc: 397.67 ppm m

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#3 Butyraldehyde

R.T.: 13.589 min
Delta R.T.: 0.270 min
Response: 1003191
Conc: 46.80 ug/ml m



#3 Butyraldehyde

R.T.: 13.593 min
Delta R.T.: 0.268 min
Response: 1839458
Conc: 47.65 ug/ml m

17.1.15
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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28463.D\dad1b.ch Vial: 13
Acq On : 21-Oct-2010, 21:22:12 Operator: caobinz
Sample : ja58750-9 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28463.D\dad1a.ch Vial: 13
Acq On : 21-Oct-2010, 21:22:12 Operator: caobinz
Sample : ja58750-9 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:26 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.32	13.32	1431124	2640892	70.138	71.680
Spiked Amount	50.000	Range	10 - 115	Recovery	= 140.28%#	143.36%#
Target Compounds						
2) Acetaldehyde	9.06	9.05	148725	257091	1.942m	397.226m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28463.D FM102110.M Fri Oct 22 10:51:59 2010 RPT1

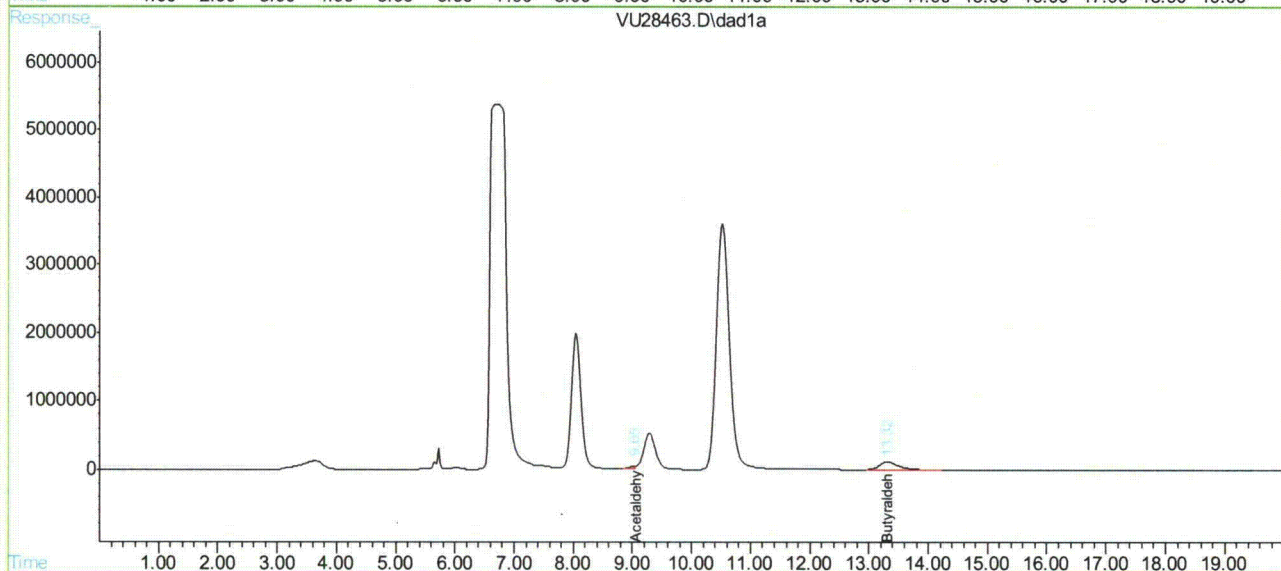
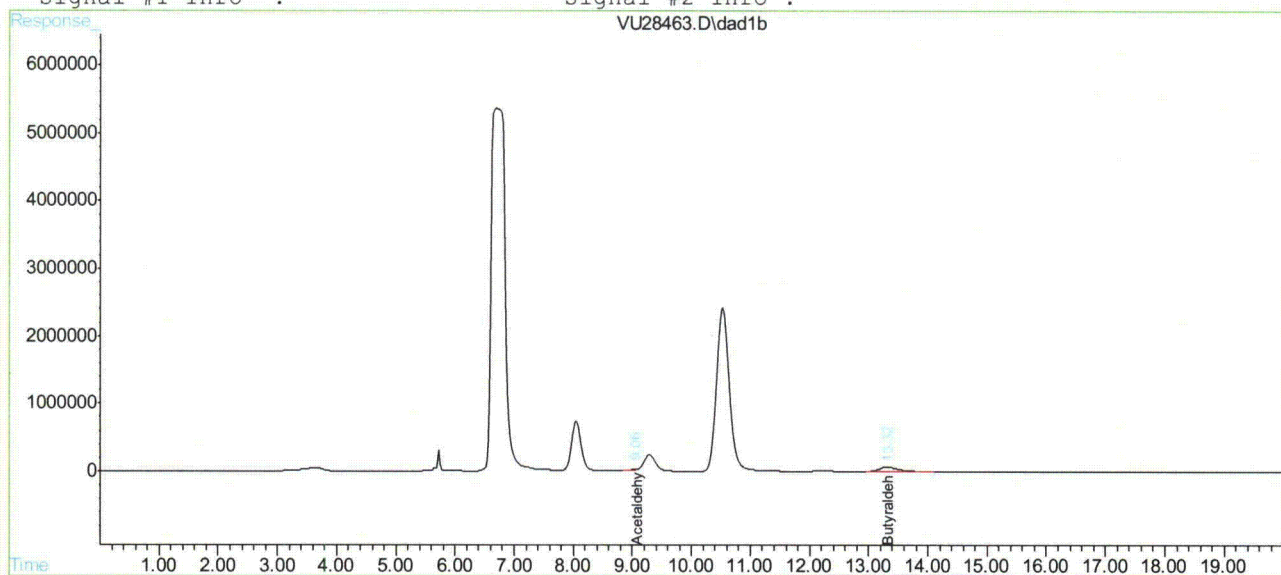
Quantitation Report

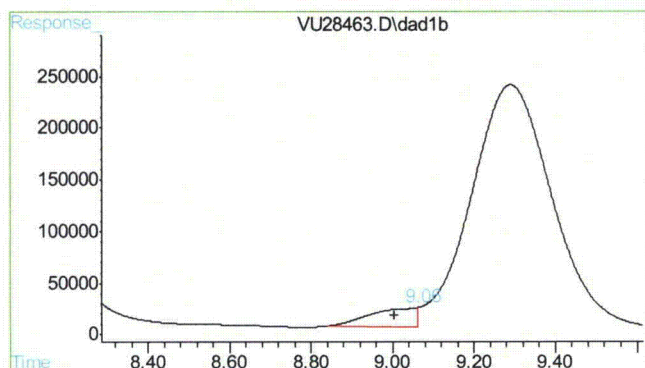
Data File : D:\HPLC2\DATA\102110\VU28463.D\dad1b.ch Vial: 13
Acq On : 21-Oct-2010, 21:22:12 Operator: caobinz
Sample : ja58750-9 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28463.D\dad1a.ch Vial: 13
Acq On : 21-Oct-2010, 21:22:12 Operator: caobinz
Sample : ja58750-9 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:26 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

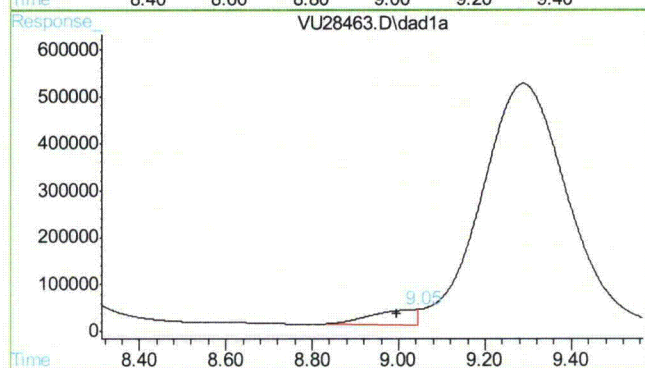
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





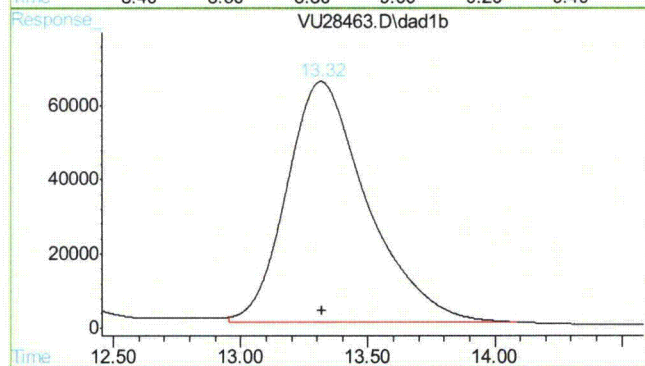
#2 Acetaldehyde

R.T.: 9.062 min
Delta R.T.: 0.058 min
Response: 148725
Conc: 1.94 ppm m



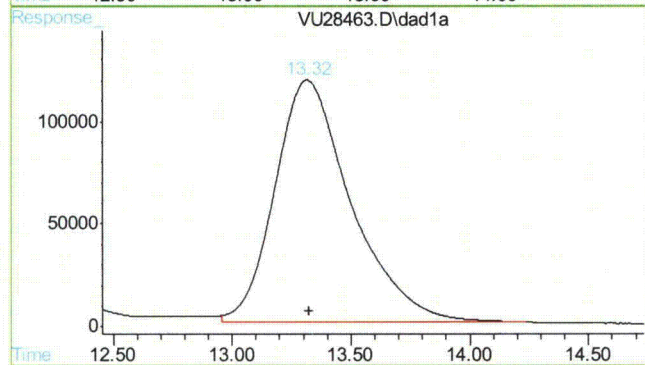
#2 Acetaldehyde

R.T.: 9.045 min
Delta R.T.: 0.049 min
Response: 257091
Conc: 397.23 ppm m



#3 Butyraldehyde

R.T.: 13.317 min
Delta R.T.: -0.002 min
Response: 1431124
Conc: 70.14 ug/ml



#3 Butyraldehyde

R.T.: 13.315 min
Delta R.T.: -0.009 min
Response: 2640892
Conc: 71.68 ug/ml

17.1.16 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28506.D\dad1b.ch Vial: 13
 Acq On : 22-Oct-2010, 13:38:19 Operator: caobinz
 Sample : ja58750-9,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28506.D\dad1a.ch Vial: 13
 Acq On : 22-Oct-2010, 13:38:19 Operator: caobinz
 Sample : ja58750-9,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:20 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.39	13.39	286076	532518	13.388	14.068
Spiked Amount	50.000	Range	10 - 115	Recovery	=	26.78% 28.14%
Target Compounds						
1) Formaldehyde	8.06	8.06	1680883	4500009	61.589	60.088m

(f)=RT Delta > 1/2 Window. (#)=Amounts differ by > 25% (m)=manual int.
 VU28506.D FM102210.M Sat Oct 23 10:55:17 2010 RPT1

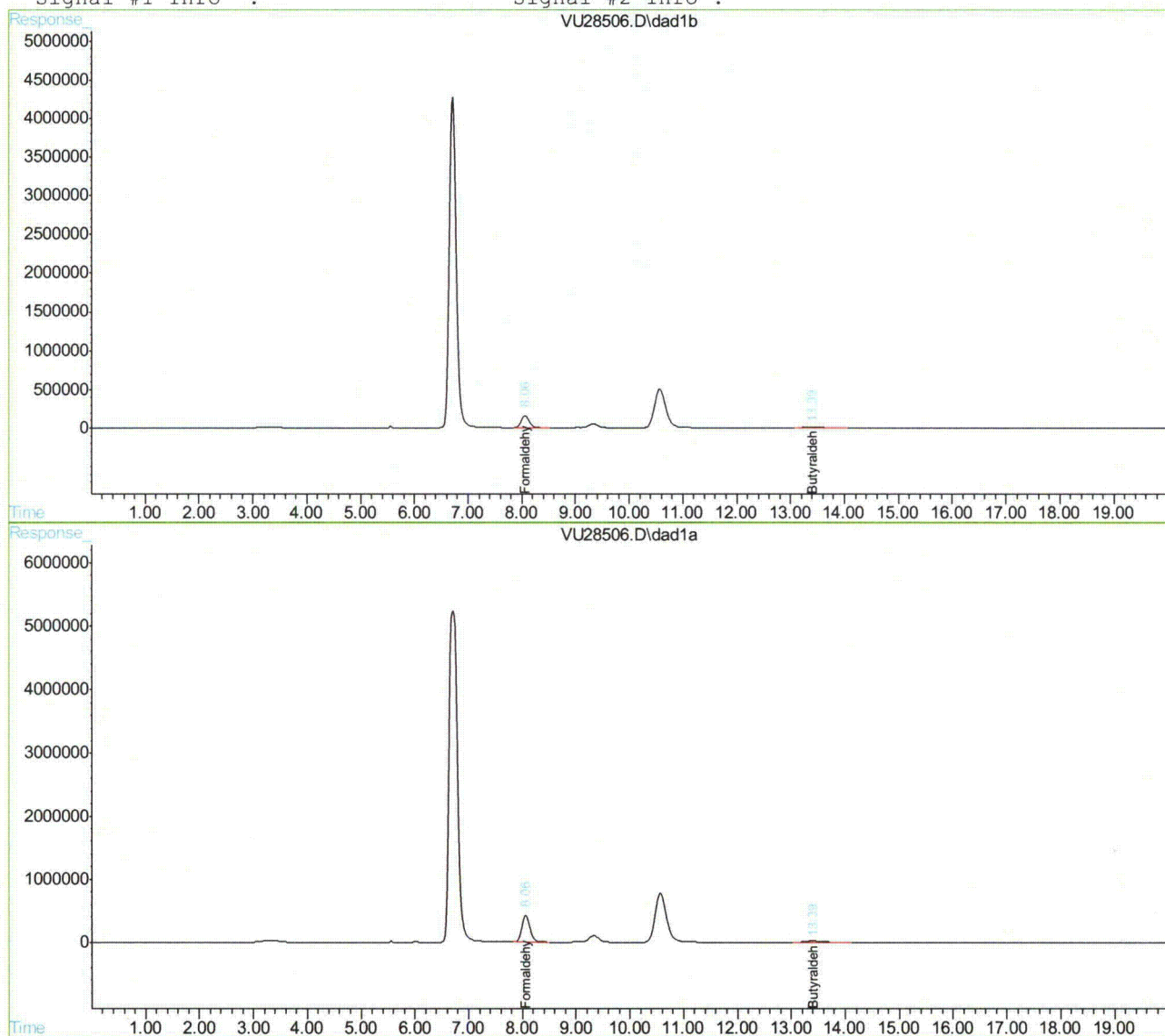
Quantitation Report

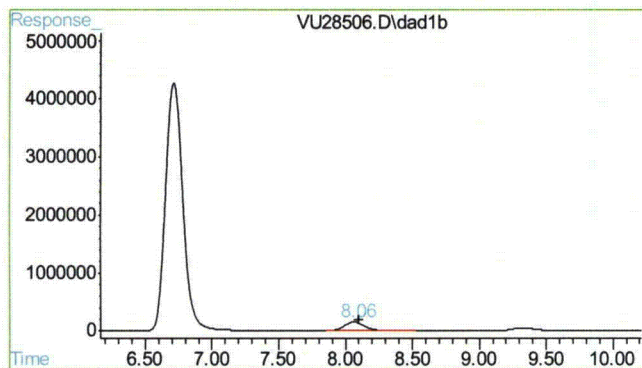
Data File : D:\HPLC2\DATA\102210\VU28506.D\dad1b.ch Vial: 13
Acq On : 22-Oct-2010, 13:38:19 Operator: caobinz
Sample : ja58750-9,1ul Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28506.D\dad1a.ch Vial: 13
Acq On : 22-Oct-2010, 13:38:19 Operator: caobinz
Sample : ja58750-9,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:20 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

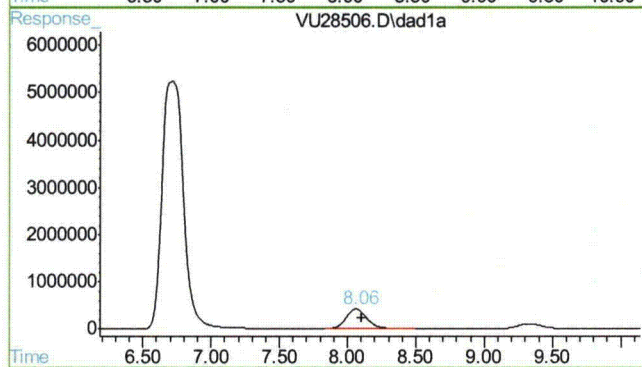
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





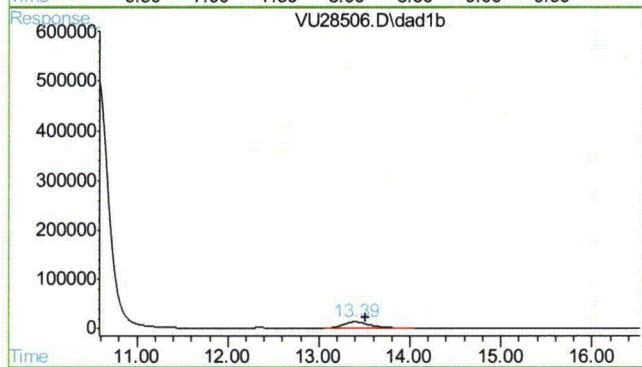
#1 Formaldehyde

R.T.: 8.061 min
Delta R.T.: -0.040 min
Response: 1680883
Conc: 61.59 ppm



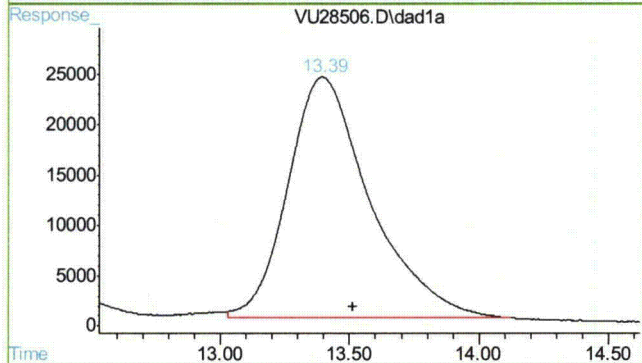
#1 Formaldehyde

R.T.: 8.061 min
Delta R.T.: -0.040 min
Response: 450009
Conc: 60.09 ppm



#3 Butyraldehyde

R.T.: 13.395 min
Delta R.T.: -0.117 min
Response: 286076
Conc: 13.39 ug/ml



#3 Butyraldehyde

R.T.: 13.395 min
Delta R.T.: -0.117 min
Response: 532518
Conc: 14.07 ug/ml

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28464.D\dad1b.ch Vial: 14
Acq On : 21-Oct-2010, 21:43:05 Operator: caobinz
Sample : ja58750-10 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28464.D\dad1a.ch Vial: 14
Acq On : 21-Oct-2010, 21:43:05 Operator: caobinz
Sample : ja58750-10 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:27 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.34	13.34	1293241	2301678	62.255m	61.099m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 124.51%#	122.20%#
Target Compounds						
2) Acetaldehyde	9.07	9.06	121677	228980	1.424m	397.525m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28464.D FM102110.M Fri Oct 22 10:52:05 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28464.D\dad1b.ch
Acq On : 21-Oct-2010, 21:43:05
Sample : ja58750-10
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 14
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28464.D\dad1a.ch
Acq On : 21-Oct-2010, 21:43:05
Sample : ja58750-10
Misc :
IntFile : rteint2.p

Vial: 14
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 9:27 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

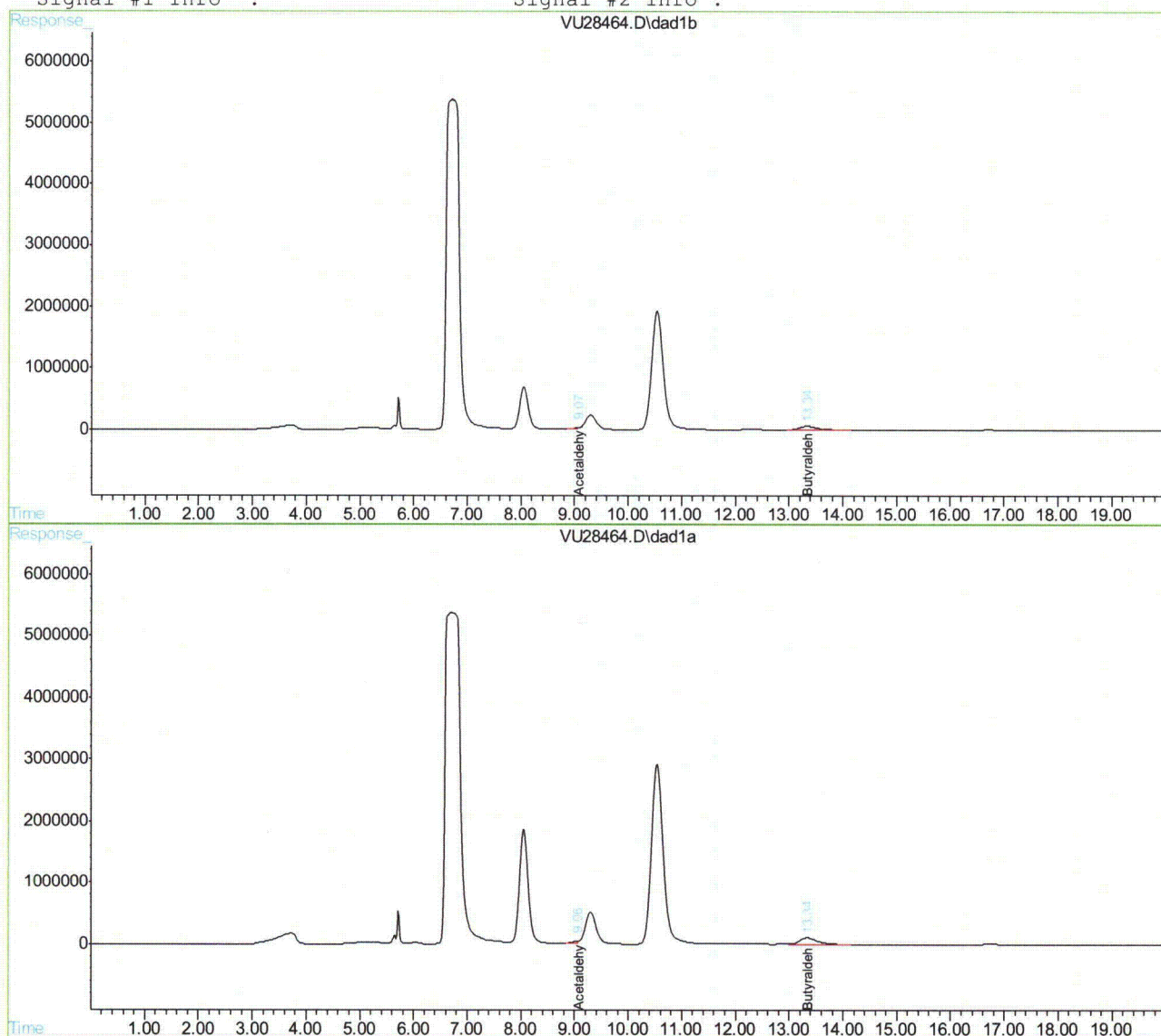
Volume Inj. :

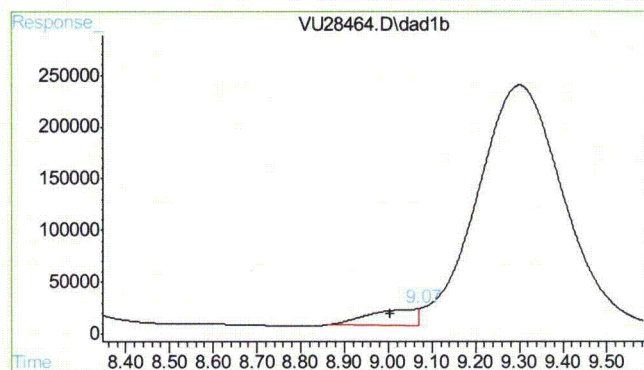
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

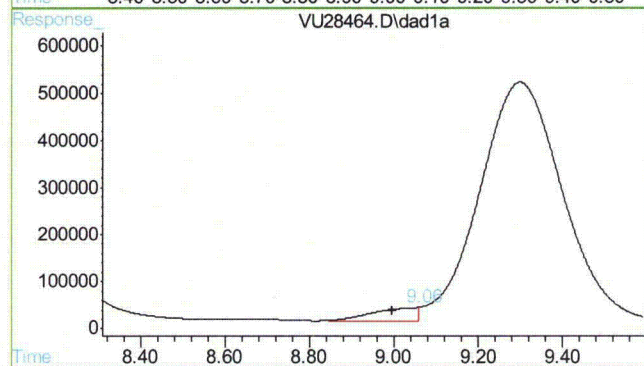
Signal #2 Info :





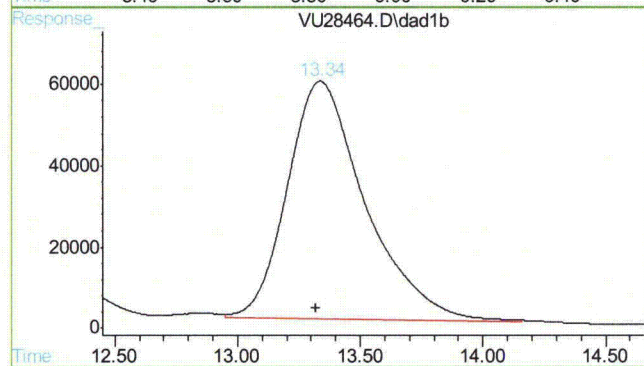
#2 Acetaldehyde

R.T.: 9.069 min
Delta R.T.: 0.065 min
Response: 121677
Conc: 1.42 ppm m



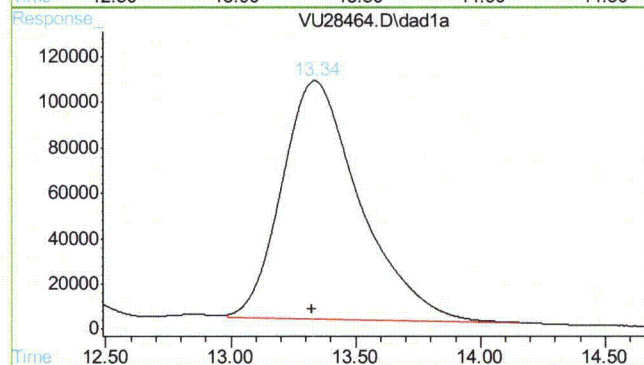
#2 Acetaldehyde

R.T.: 9.059 min
Delta R.T.: 0.064 min
Response: 228980
Conc: 397.52 ppm m



#3 Butyraldehyde

R.T.: 13.336 min
Delta R.T.: 0.017 min
Response: 1293241
Conc: 62.25 ug/ml m



#3 Butyraldehyde

R.T.: 13.336 min
Delta R.T.: 0.012 min
Response: 2301678
Conc: 61.10 ug/ml m

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28507.D\dad1b.ch Vial: 14
 Acq On : 22-Oct-2010, 13:59:13 Operator: caobinz
 Sample : ja58750-10,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28507.D\dad1a.ch Vial: 14
 Acq On : 22-Oct-2010, 13:59:13 Operator: caobinz
 Sample : ja58750-10,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:20 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.42	13.42	257910	474241	12.182	12.690
Spiked Amount	50.000	Range	10 - 115	Recovery	=	24.36% 25.38%
Target Compounds						
1) Formaldehyde	8.07	8.07	1551567	4080324	55.623	53.029m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28507.D FM102210.M Sat Oct 23 10:55:21 2010 RPT1

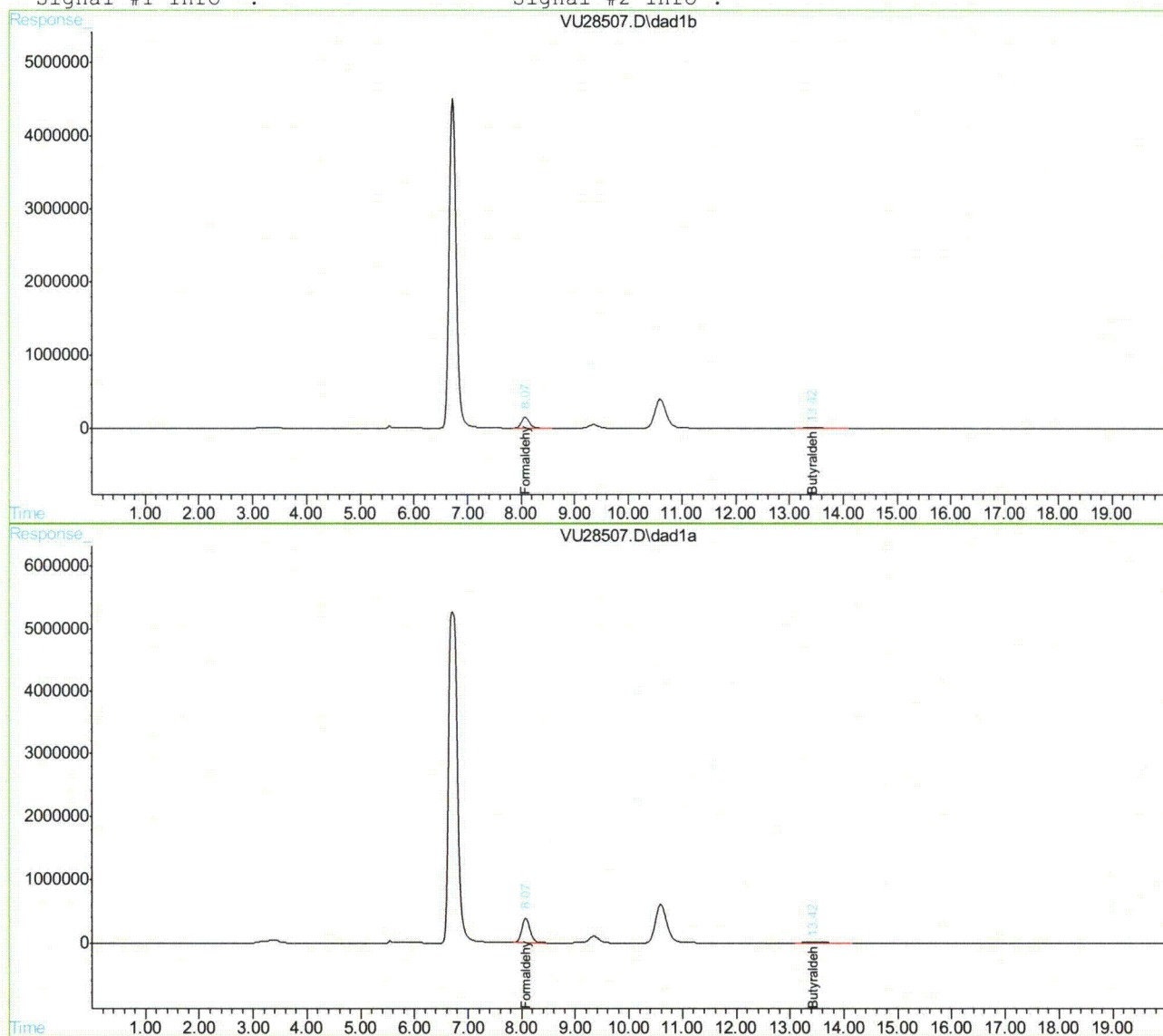
Quantitation Report

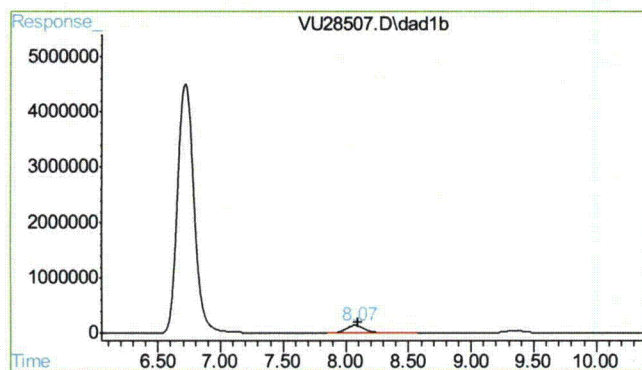
Data File : D:\HPLC2\DATA\102210\VU28507.D\dad1b.ch Vial: 14
Acq On : 22-Oct-2010, 13:59:13 Operator: caobinz
Sample : ja58750-10,1ul Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28507.D\dad1a.ch Vial: 14
Acq On : 22-Oct-2010, 13:59:13 Operator: caobinz
Sample : ja58750-10,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:20 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

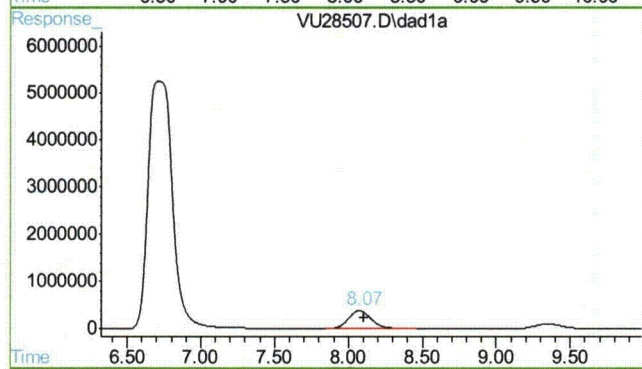
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





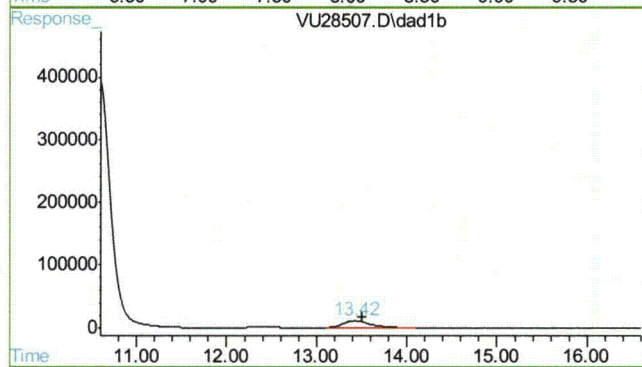
#1 Formaldehyde

R.T.: 8.074 min
Delta R.T.: -0.028 min
Response: 1551567
Conc: 55.62 ppm



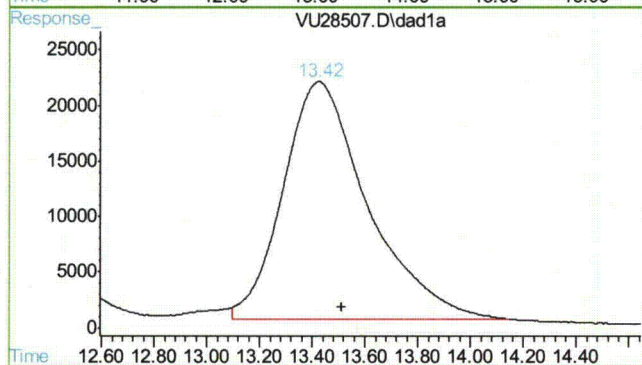
#1 Formaldehyde

R.T.: 8.074 min
Delta R.T.: -0.028 min
Response: 4080324
Conc: 53.03 ppm



#3 Butyraldehyde

R.T.: 13.424 min
Delta R.T.: -0.088 min
Response: 257910
Conc: 12.18 ug/ml



#3 Butyraldehyde

R.T.: 13.424 min
Delta R.T.: -0.088 min
Response: 474241
Conc: 12.69 ug/ml

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28465.D\dad1b.ch Vial: 15
Acq On : 21-Oct-2010, 22:03:57 Operator: caobinz
Sample : ja58750-11 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28465.D\dad1a.ch Vial: 15
Acq On : 21-Oct-2010, 22:03:57 Operator: caobinz
Sample : ja58750-11 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 8:53 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.36	13.35	1318119	2416087	63.648	64.593m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 127.30%#	129.19%#
Target Compounds						
2) Acetaldehyde	9.07	9.06	192573	282053	2.784m	0.146m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28465.D FM102110.M Fri Oct 22 10:52:10 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28465.D\dad1b.ch
Acq On : 21-Oct-2010, 22:03:57
Sample : ja58750-11
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 15
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28465.D\dad1a.ch
Acq On : 21-Oct-2010, 22:03:57
Sample : ja58750-11
Misc :
IntFile : rteint2.p

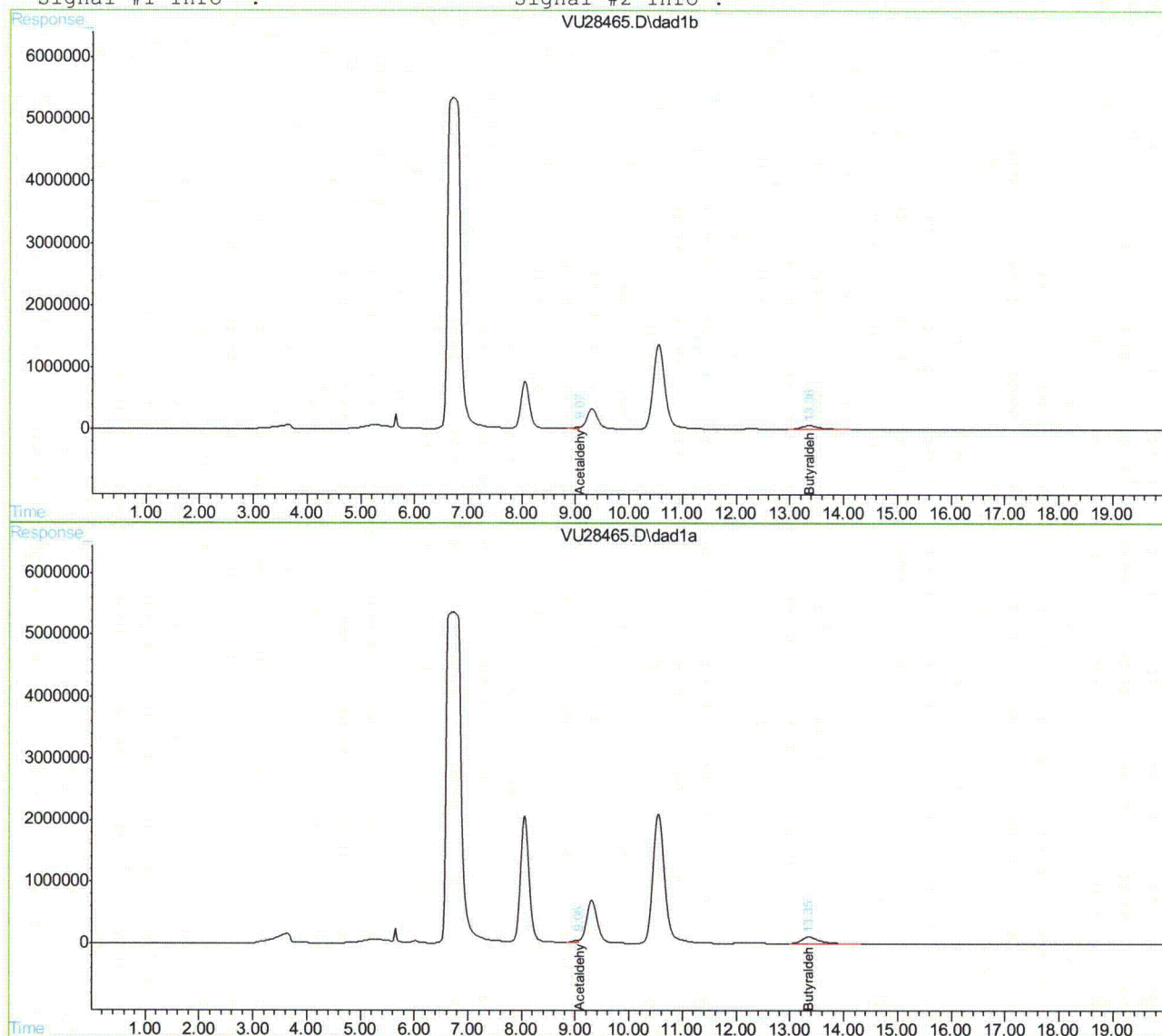
Vial: 15
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

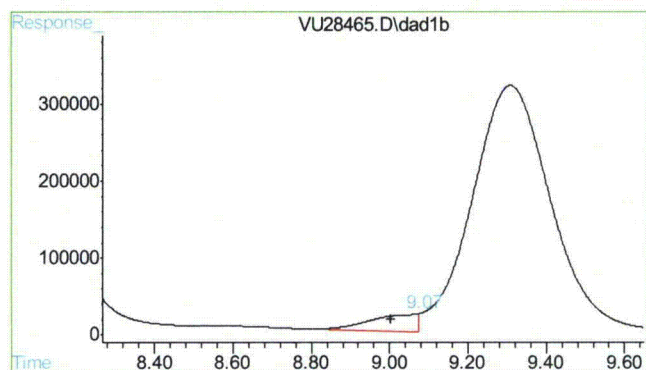
Quant Time: Oct 22 8:53 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

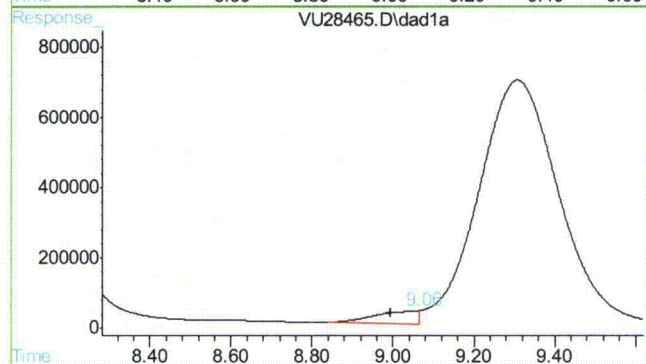
Signal #2 Phase :
Signal #2 Info :





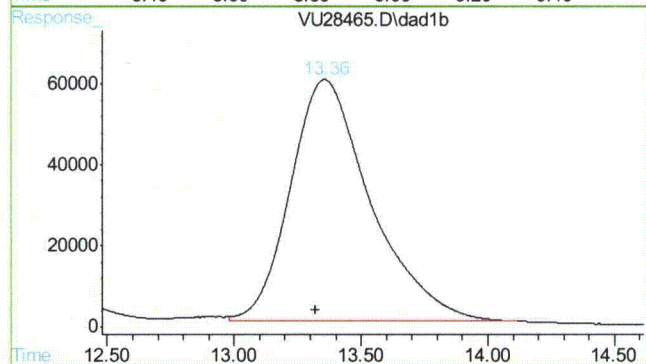
#2 Acetaldehyde

R.T.: 9.074 min
Delta R.T.: 0.070 min
Response: 192573
Conc: 2.78 ppm m



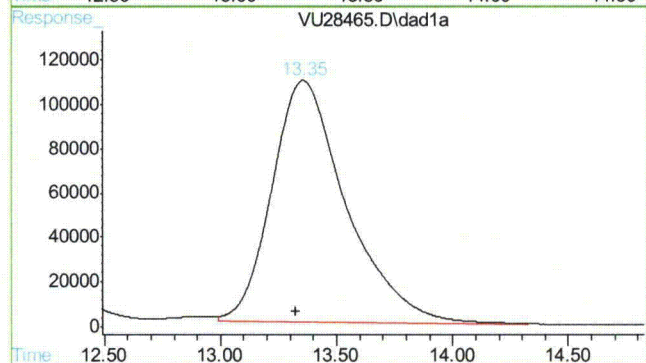
#2 Acetaldehyde

R.T.: 9.064 min
Delta R.T.: 0.068 min
Response: 282053
Conc: 0.15 ppm m



#3 Butyraldehyde

R.T.: 13.356 min
Delta R.T.: 0.037 min
Response: 1318119
Conc: 63.65 ug/ml



#3 Butyraldehyde

R.T.: 13.354 min
Delta R.T.: 0.030 min
Response: 2416087
Conc: 64.59 ug/ml m

17.1.20 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28508.D\dad1b.ch Vial: 15
 Acq On : 22-Oct-2010, 14:20:07 Operator: caobinz
 Sample : ja58750-11,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28508.D\dad1a.ch Vial: 15
 Acq On : 22-Oct-2010, 14:20:07 Operator: caobinz
 Sample : ja58750-11,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p
 Quant Time: Oct 23 9:21 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.43	13.44	259680	482939	12.258	12.895m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 24.52%	25.79%

Target Compounds						
1) Formaldehyde	8.08	8.08	1740348	4656340	64.432	62.827m

 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28508.D FM102210.M Sat Oct 23 10:55:26 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28508.D\dad1b.ch
Acq On : 22-Oct-2010, 14:20:07
Sample : ja58750-11,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 15
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28508.D\dad1a.ch
Acq On : 22-Oct-2010, 14:20:07
Sample : ja58750-11,1ul
Misc :
IntFile : rteint2.p

Vial: 15
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 23 9:21 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

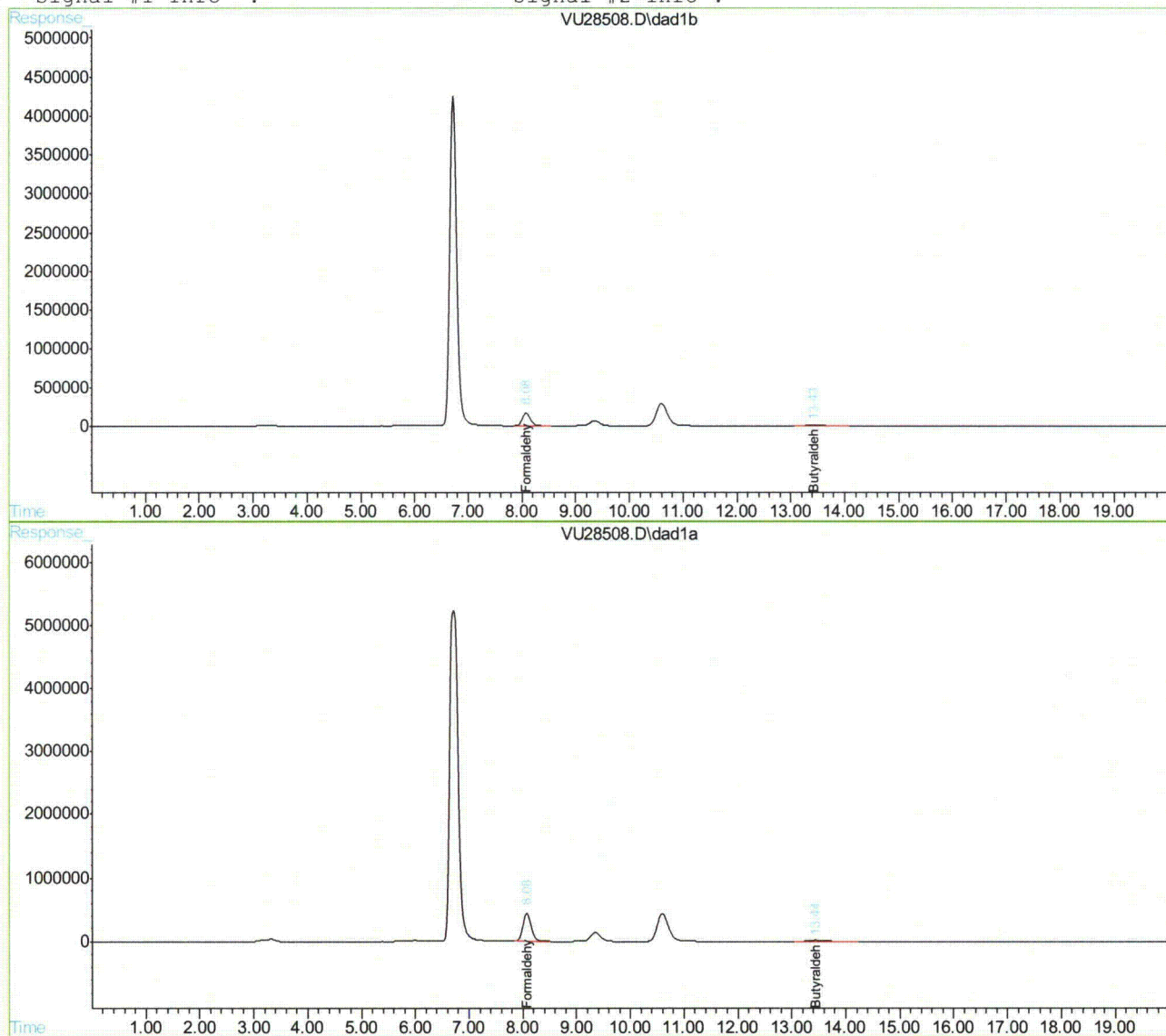
Volume Inj. :

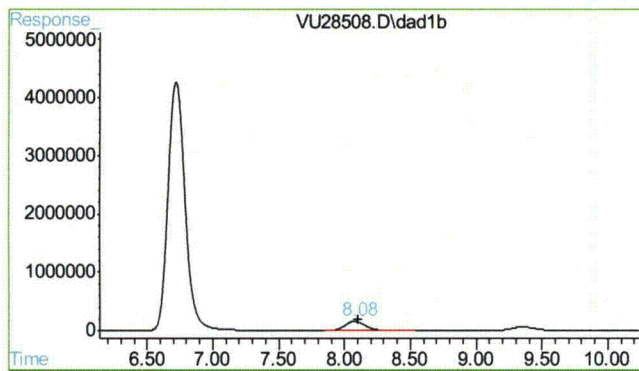
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

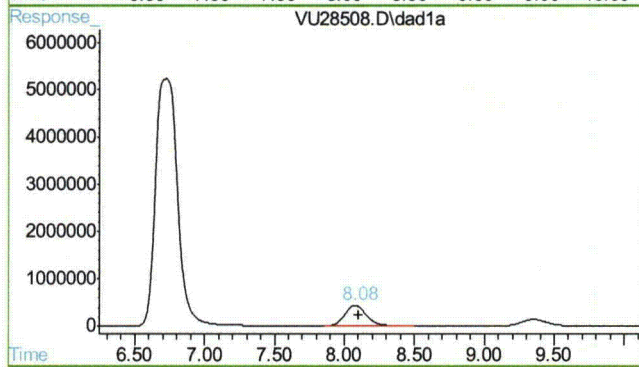
Signal #2 Info :





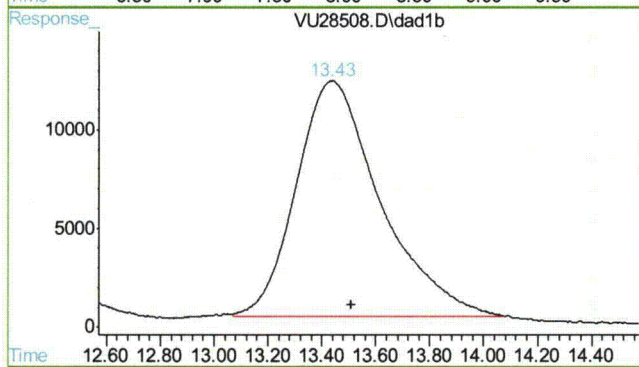
#1 Formaldehyde

R.T.: 8.076 min
Delta R.T.: -0.025 min
Response: 1740348
Conc: 64.43 ppm



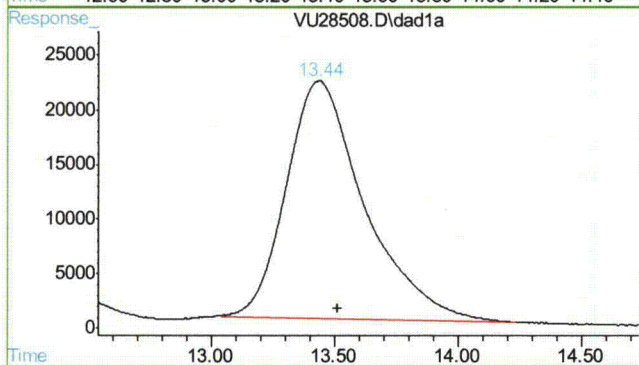
#1 Formaldehyde

R.T.: 8.076 min
Delta R.T.: -0.025 min
Response: 4656340
Conc: 62.83 ppm m



#3 Butyraldehyde

R.T.: 13.432 min
Delta R.T.: -0.080 min
Response: 259680
Conc: 12.26 ug/ml



#3 Butyraldehyde

R.T.: 13.438 min
Delta R.T.: -0.073 min
Response: 482939
Conc: 12.90 ug/ml m

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28466.D\dad1b.ch Vial: 16
Acq On : 21-Oct-2010, 22:24:53 Operator: caobinz
Sample : ja58750-12 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28466.D\dad1a.ch Vial: 16
Acq On : 21-Oct-2010, 22:24:53 Operator: caobinz
Sample : ja58750-12 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:28 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.37	13.37	1251195	2281138	59.925m	60.479m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 119.85%#	120.96%#

Target Compounds						
2) Acetaldehyde	9.08	9.06	131984	212705	1.621m	397.697m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28466.D FM102110.M Fri Oct 22 10:52:16 2010 RPT1

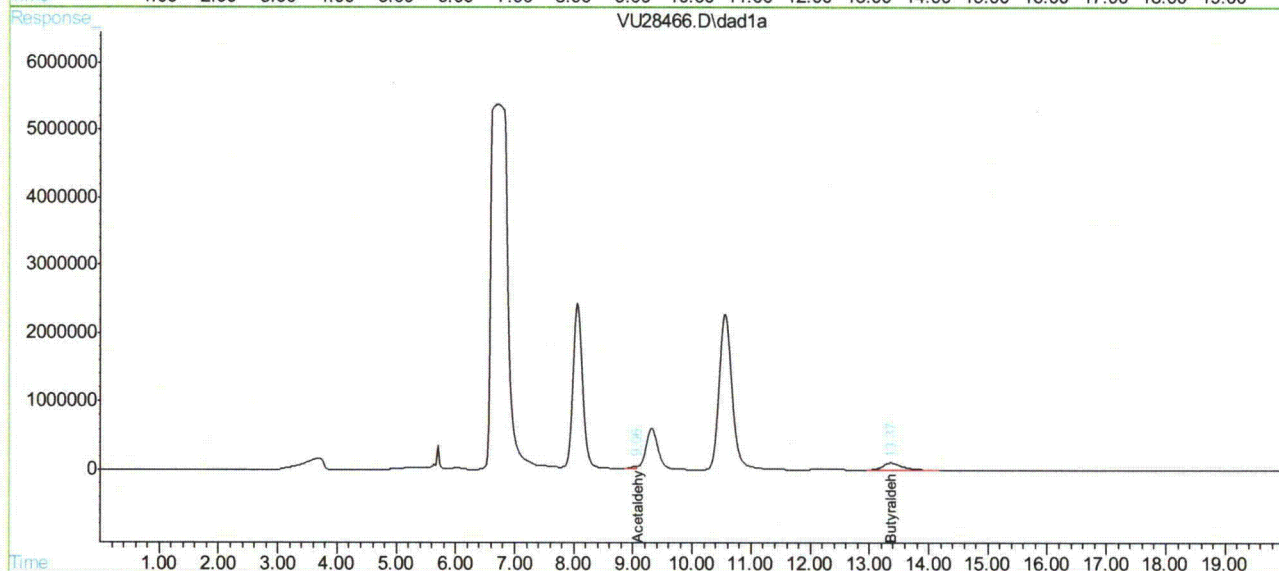
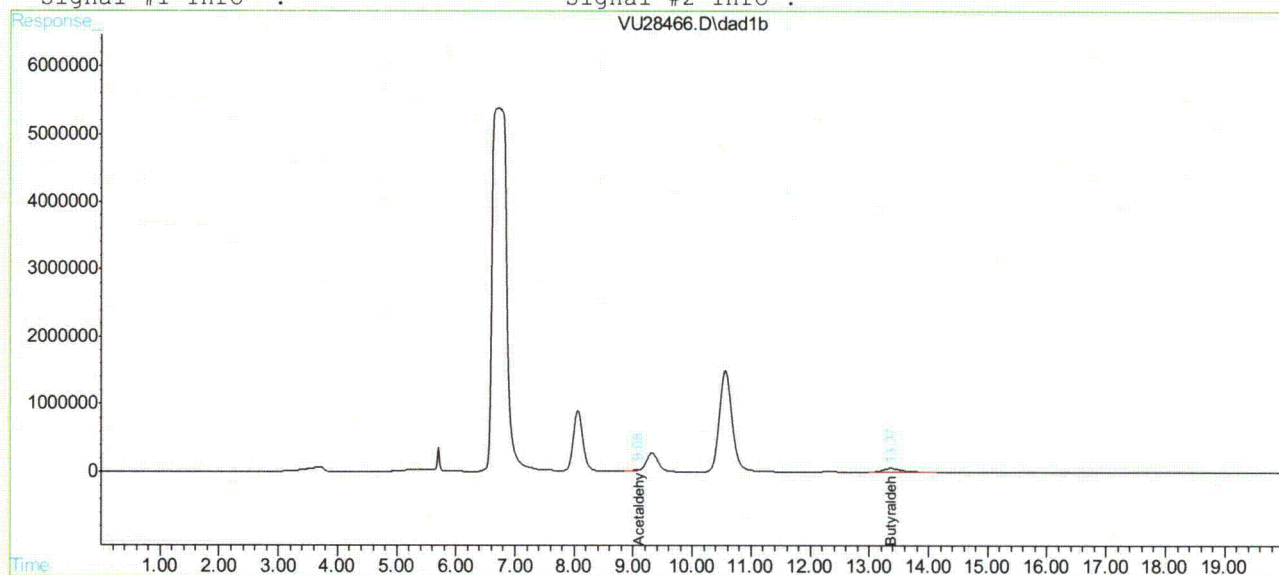
Quantitation Report

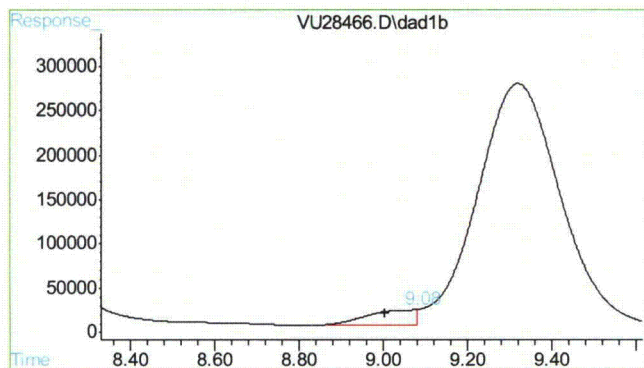
Data File : D:\HPLC2\DATA\102110\VU28466.D\dad1b.ch Vial: 16
Acq On : 21-Oct-2010, 22:24:53 Operator: caobinz
Sample : ja58750-12 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28466.D\dad1a.ch Vial: 16
Acq On : 21-Oct-2010, 22:24:53 Operator: caobinz
Sample : ja58750-12 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:28 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

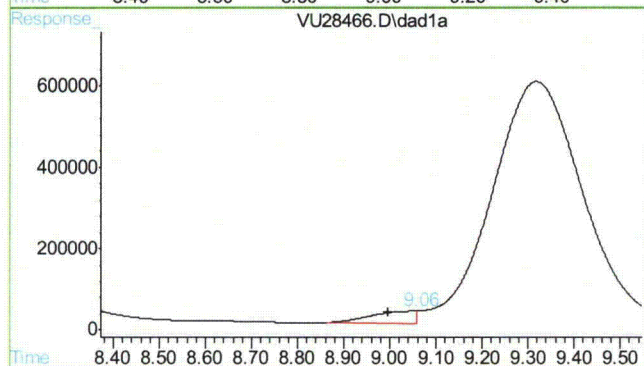
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





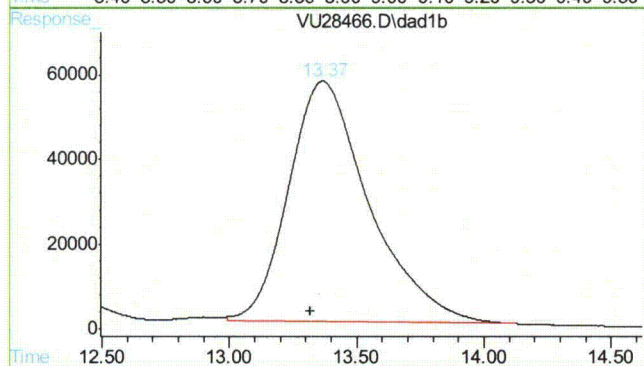
#2 Acetaldehyde

R.T.: 9.080 min
Delta R.T.: 0.076 min
Response: 131984
Conc: 1.62 ppm m



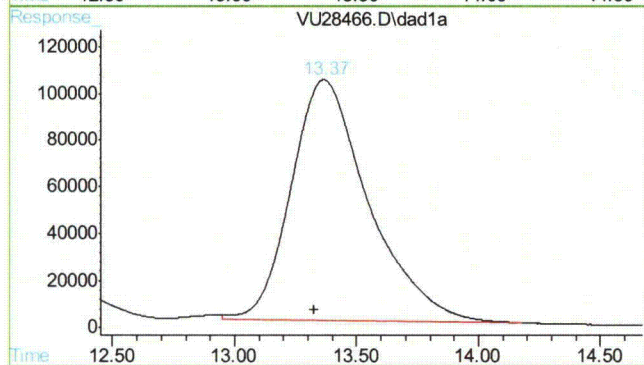
#2 Acetaldehyde

R.T.: 9.059 min
Delta R.T.: 0.063 min
Response: 212705
Conc: 397.70 ppm m



#3 Butyraldehyde

R.T.: 13.368 min
Delta R.T.: 0.049 min
Response: 1251195
Conc: 59.93 ug/ml m



#3 Butyraldehyde

R.T.: 13.365 min
Delta R.T.: 0.041 min
Response: 2281138
Conc: 60.48 ug/ml m

17.1.22 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28509.D\dad1b.ch Vial: 16
 Acq On : 22-Oct-2010, 14:41:01 Operator: caobinz
 Sample : ja58750-12,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28509.D\dad1a.ch Vial: 16
 Acq On : 22-Oct-2010, 14:41:01 Operator: caobinz
 Sample : ja58750-12,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:21 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.45	13.45	250065	461043	11.848	12.379
Spiked Amount	50.000	Range	10 - 115	Recovery	=	23.70% 24.76%
Target Compounds						
1) Formaldehyde	8.08	8.08	1997279	5393335	77.581m	76.719m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28509.D FM102210.M Sat Oct 23 10:55:32 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28509.D\dad1b.ch
Acq On : 22-Oct-2010, 14:41:01
Sample : ja58750-12,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 16
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28509.D\dad1a.ch
Acq On : 22-Oct-2010, 14:41:01
Sample : ja58750-12,1ul
Misc :
IntFile : rteint2.p

Vial: 16
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 23 9:21 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

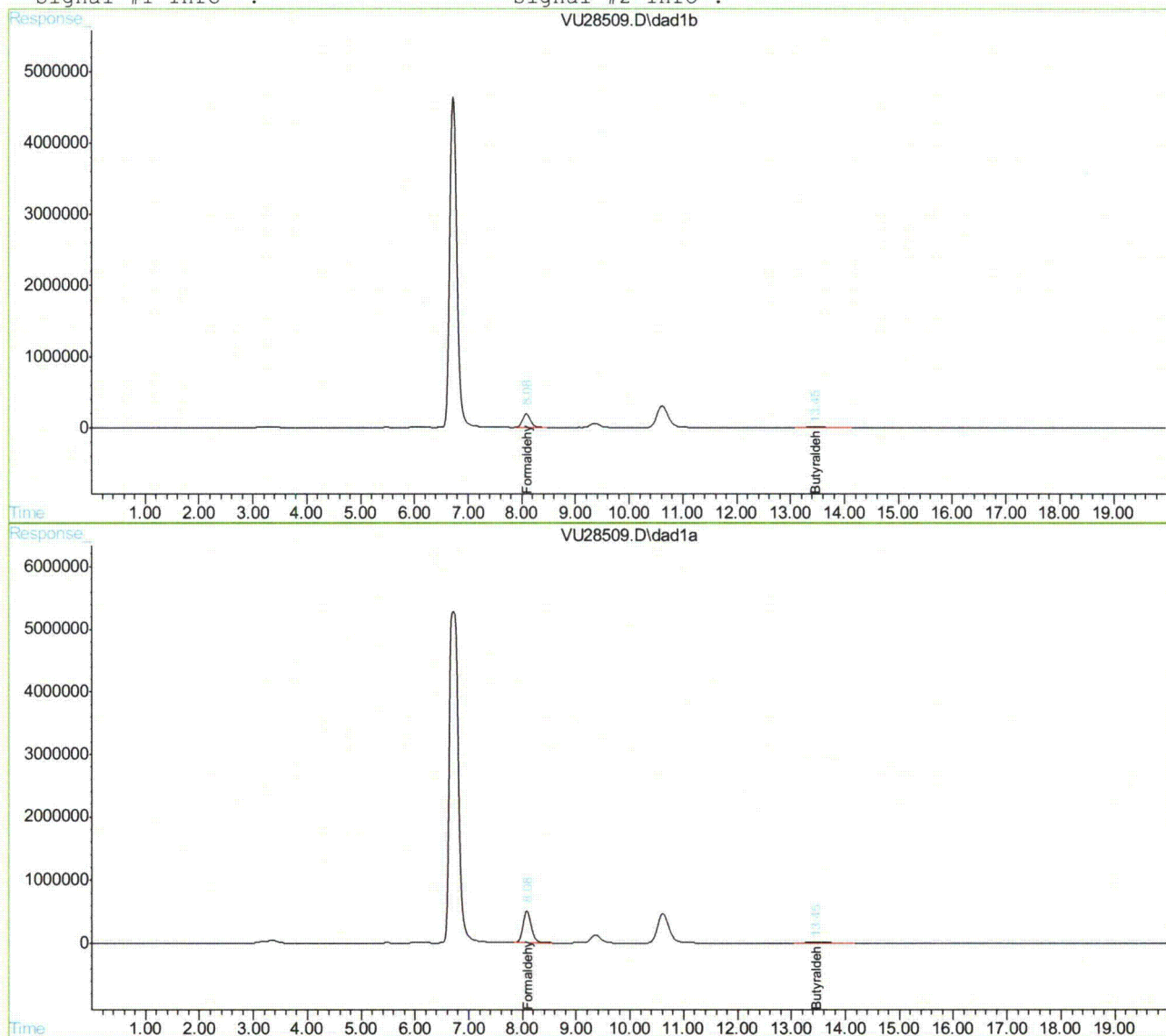
Volume Inj. :

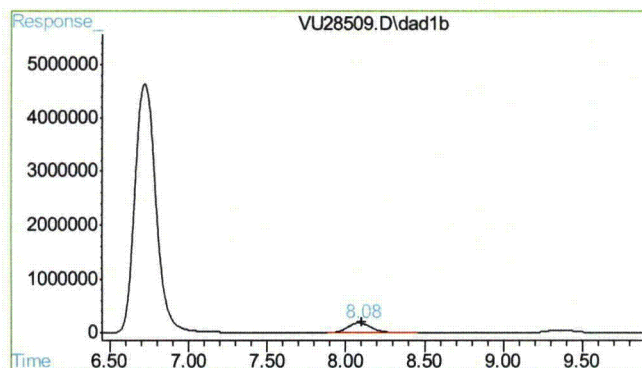
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

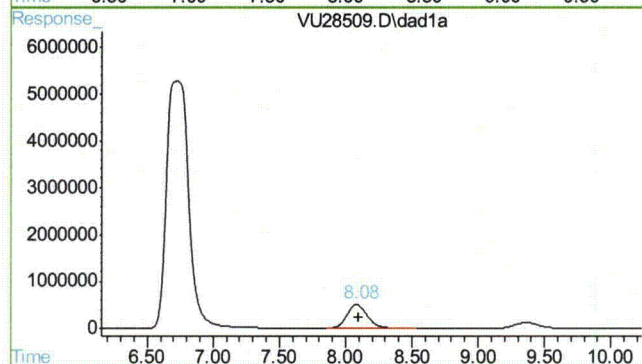
Signal #2 Info :





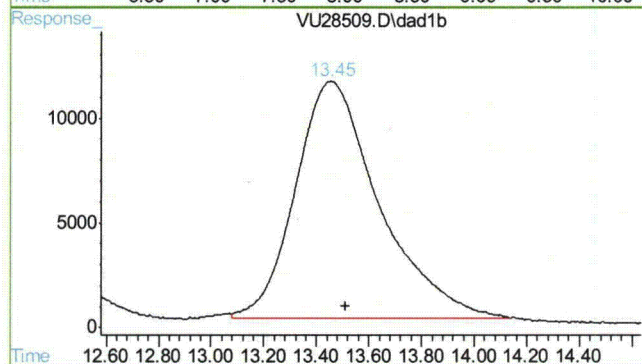
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.020 min
Response: 1997279
Conc: 77.58 ppm m



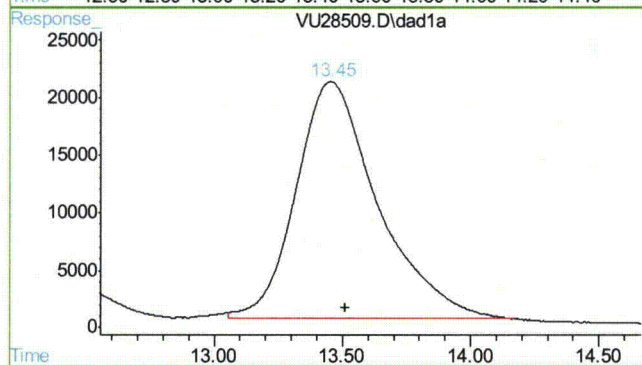
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.020 min
Response: 5393335
Conc: 76.72 ppm m



#3 Butyraldehyde

R.T.: 13.454 min
Delta R.T.: -0.058 min
Response: 250065
Conc: 11.85 ug/ml



#3 Butyraldehyde

R.T.: 13.454 min
Delta R.T.: -0.058 min
Response: 461043
Conc: 12.38 ug/ml

John Hamilton
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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28467.D\dad1b.ch Vial: 17
Acq On : 21-Oct-2010, 22:45:47 Operator: caobinz
Sample : ja58750-13 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28467.D\dad1a.ch Vial: 17
Acq On : 21-Oct-2010, 22:45:47 Operator: caobinz
Sample : ja58750-13 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:29 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.35	13.35	1268829	2307261	60.898m	61.268m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 121.80%#	122.54%#
Target Compounds						
2) Acetaldehyde	9.05	9.05	103598	202046	1.079	397.810m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28467.D FM102110.M Fri Oct 22 10:52:21 2010 RPT1

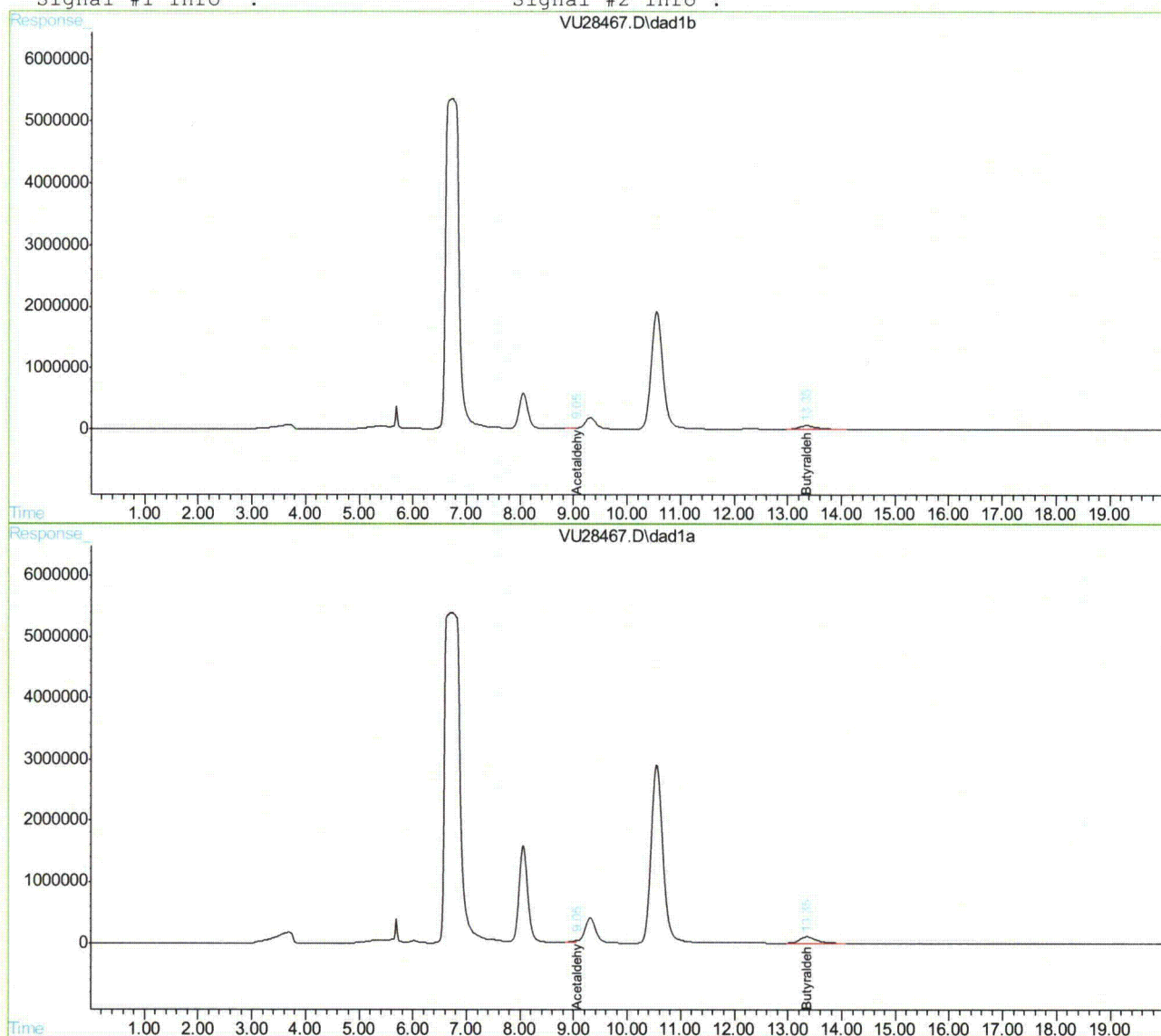
Quantitation Report

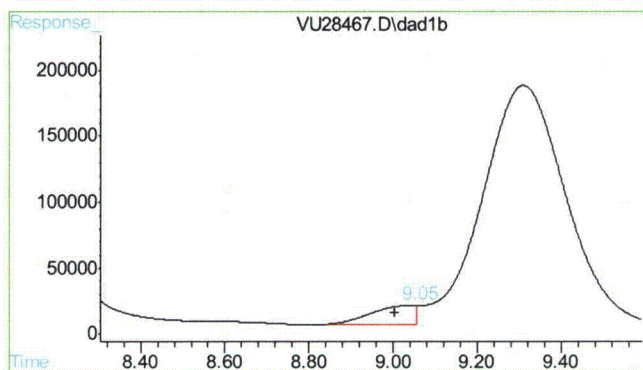
Data File : D:\HPLC2\DATA\102110\VU28467.D\dad1b.ch Vial: 17
Acq On : 21-Oct-2010, 22:45:47 Operator: caobinz
Sample : ja58750-13 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28467.D\dad1a.ch Vial: 17
Acq On : 21-Oct-2010, 22:45:47 Operator: caobinz
Sample : ja58750-13 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:29 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

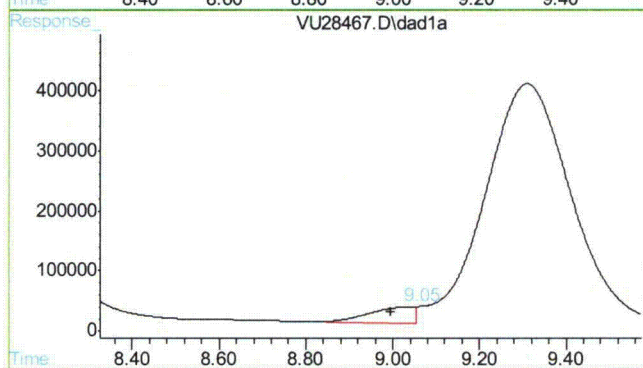
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





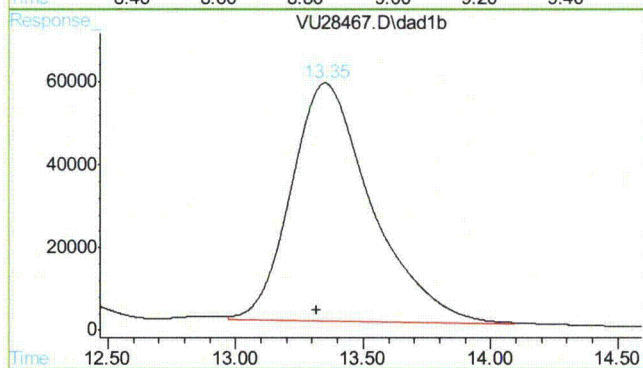
#2 Acetaldehyde

R.T.: 9.052 min
Delta R.T.: 0.047 min
Response: 103598
Conc: 1.08 ppm



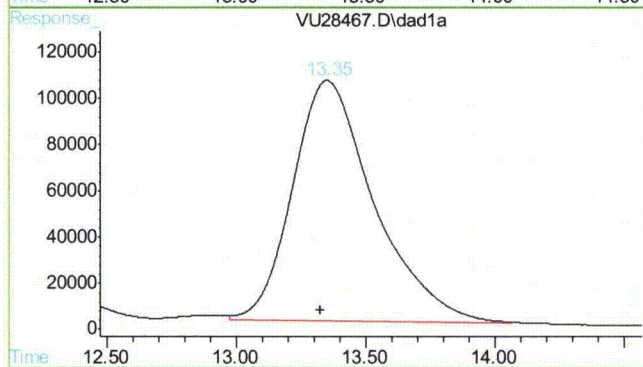
#2 Acetaldehyde

R.T.: 9.055 min
Delta R.T.: 0.059 min
Response: 202046
Conc: 397.81 ppm m



#3 Butyraldehyde

R.T.: 13.350 min
Delta R.T.: 0.031 min
Response: 1268829
Conc: 60.90 ug/ml m



#3 Butyraldehyde

R.T.: 13.350 min
Delta R.T.: 0.026 min
Response: 2307261
Conc: 61.27 ug/ml m

17.1.24 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28510.D\dad1b.ch Vial: 17
 Acq On : 22-Oct-2010, 15:01:52 Operator: caobinz
 Sample : ja58750-13,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28510.D\dad1a.ch Vial: 17
 Acq On : 22-Oct-2010, 15:01:52 Operator: caobinz
 Sample : ja58750-13,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p
 Quant Time: Oct 23 9:22 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.42	13.42	253501	459427	11.994	12.341
Spiked Amount	50.000	Range	10 - 115	Recovery	=	23.99% 24.68%
Target Compounds						
1) Formaldehyde	8.07	8.07	1280970	3464930	43.954m	43.341m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28510.D FM102210.M Sat Oct 23 10:55:37 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28510.D\dad1b.ch
Acq On : 22-Oct-2010, 15:01:52
Sample : ja58750-13,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 17
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28510.D\dad1a.ch
Acq On : 22-Oct-2010, 15:01:52
Sample : ja58750-13,1ul
Misc :
IntFile : rteint2.p

Vial: 17
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 23 9:22 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

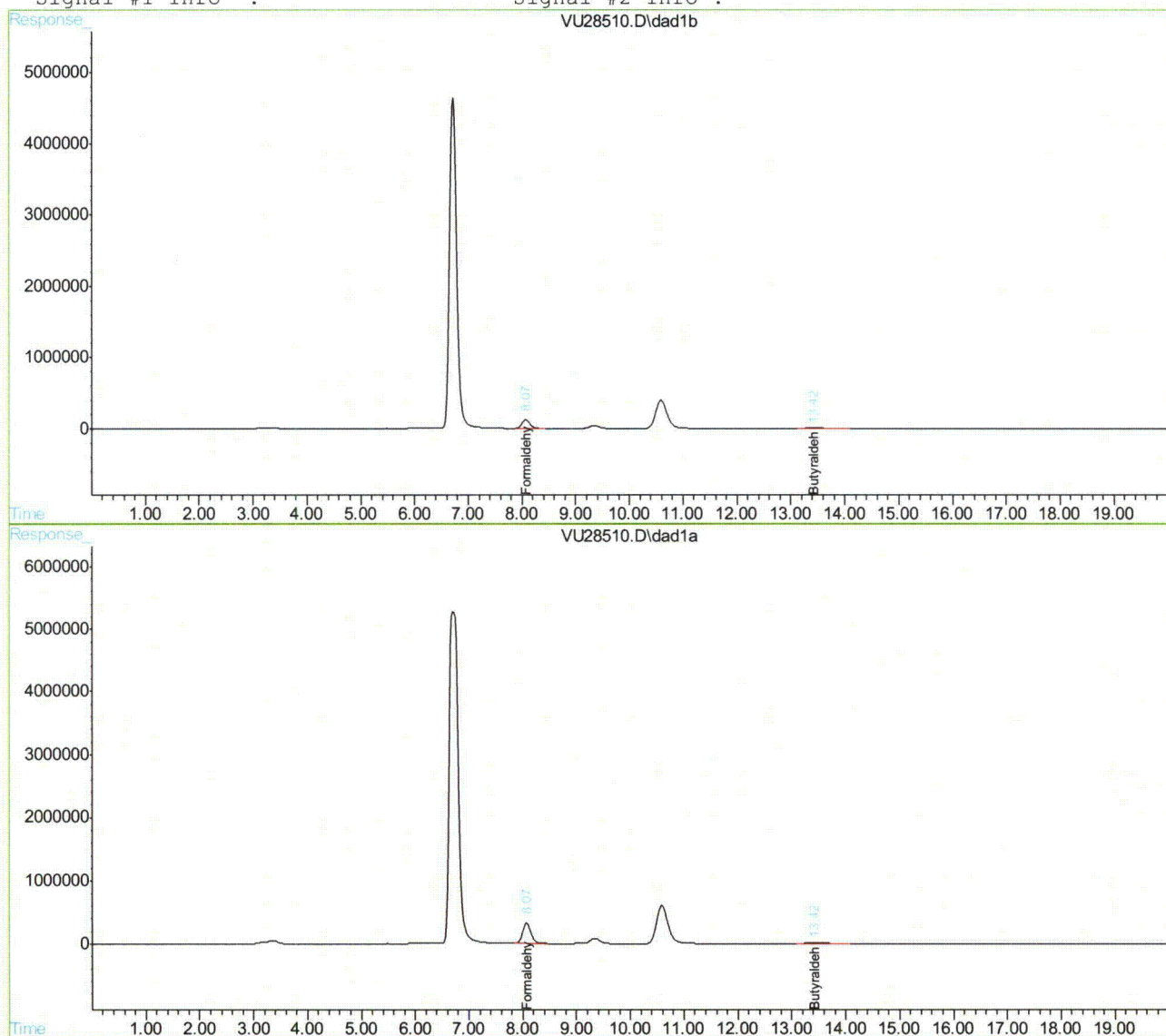
Volume Inj. :

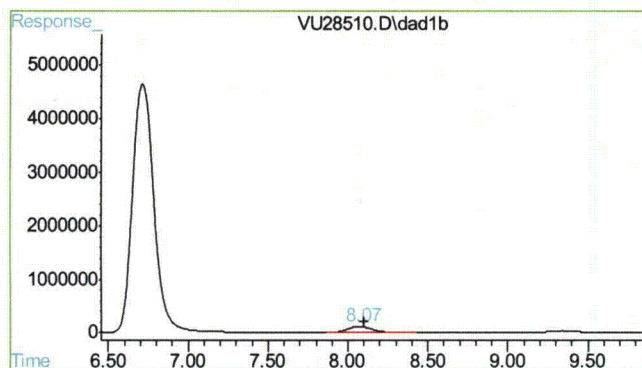
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

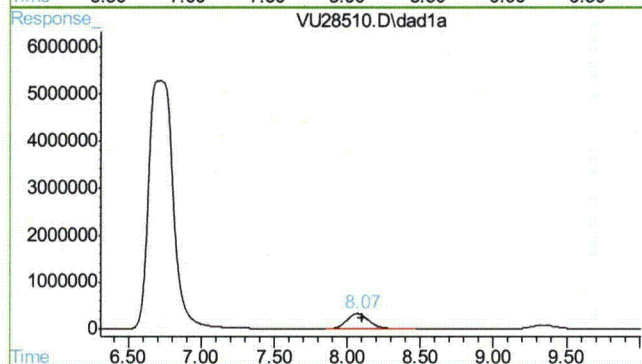
Signal #2 Info :





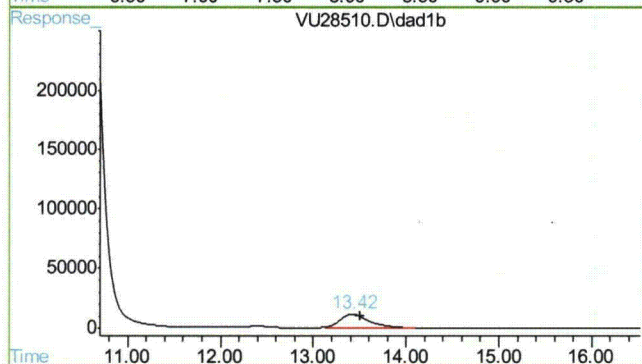
#1 Formaldehyde

R.T.: 8.069 min
Delta R.T.: -0.032 min
Response: 1280970
Conc: 43.95 ppm m



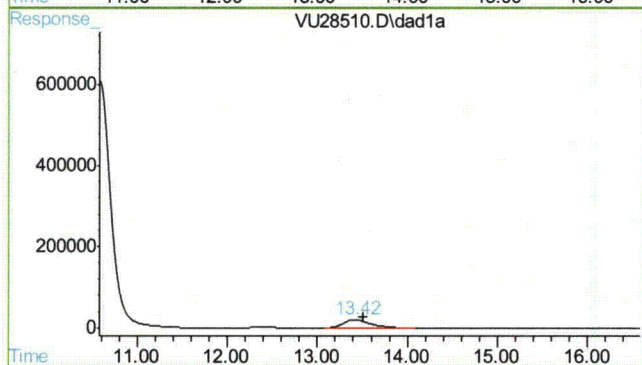
#1 Formaldehyde

R.T.: 8.069 min
Delta R.T.: -0.032 min
Response: 3464930
Conc: 43.34 ppm m



#3 Butyraldehyde

R.T.: 13.424 min
Delta R.T.: -0.087 min
Response: 253501
Conc: 11.99 ug/ml



#3 Butyraldehyde

R.T.: 13.423 min
Delta R.T.: -0.089 min
Response: 459427
Conc: 12.34 ug/ml

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28468.D\dad1b.ch Vial: 18
Acq On : 21-Oct-2010, 23:06:45 Operator: caobinz
Sample : ja58750-14 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28468.D\dad1a.ch Vial: 18
Acq On : 21-Oct-2010, 23:06:45 Operator: caobinz
Sample : ja58750-14 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:29 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.35	13.35	1402271	2545282	68.455	68.629m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 136.91%#	137.26%#
Target Compounds						
2) Acetaldehyde	9.06	9.05	144936	229849	1.869m	397.515m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28468.D FM102110.M Fri Oct 22 10:52:26 2010 RPT1

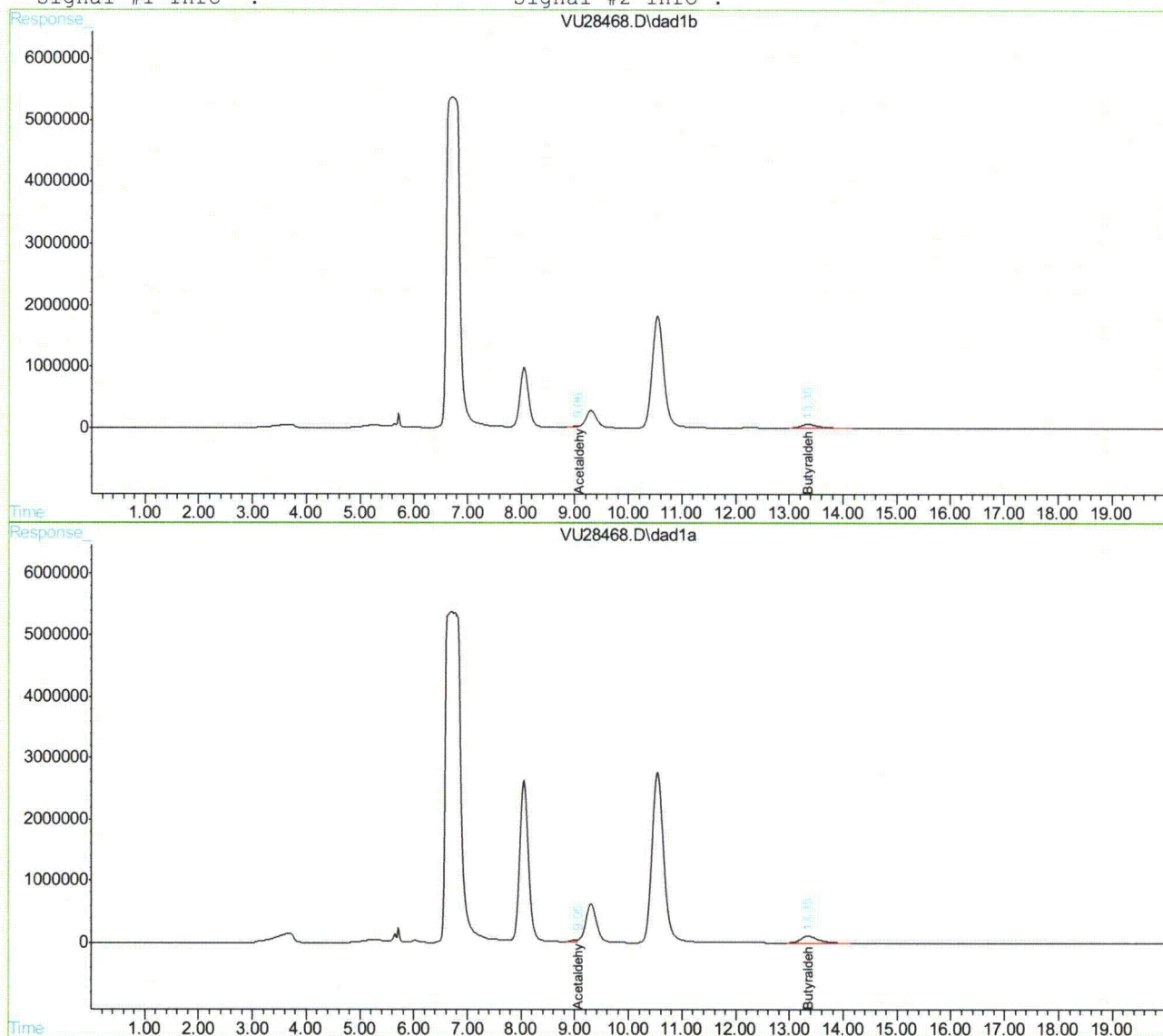
Quantitation Report

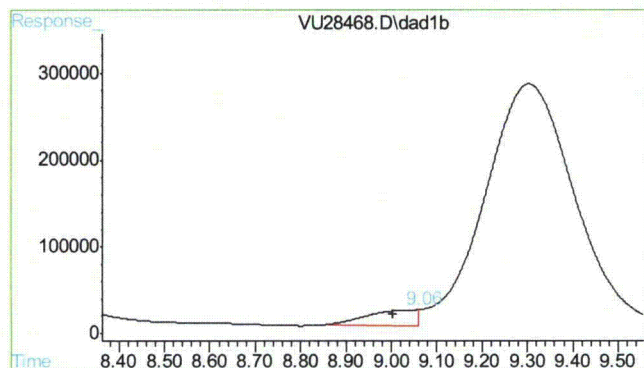
Data File : D:\HPLC2\DATA\102110\VU28468.D\dad1b.ch Vial: 18
Acq On : 21-Oct-2010, 23:06:45 Operator: caobinz
Sample : ja58750-14 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28468.D\dad1a.ch Vial: 18
Acq On : 21-Oct-2010, 23:06:45 Operator: caobinz
Sample : ja58750-14 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:29 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

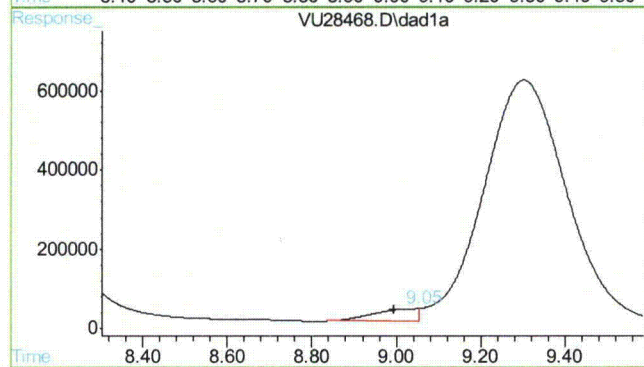
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





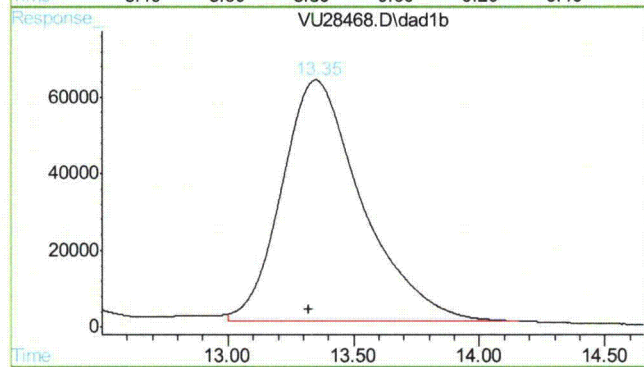
#2 Acetaldehyde

R.T.: 9.060 min
Delta R.T.: 0.056 min
Response: 144936
Conc: 1.87 ppm m



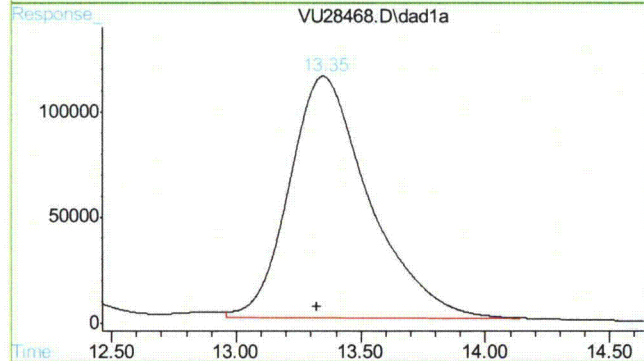
#2 Acetaldehyde

R.T.: 9.054 min
Delta R.T.: 0.058 min
Response: 229849
Conc: 397.52 ppm m



#3 Butyraldehyde

R.T.: 13.350 min
Delta R.T.: 0.031 min
Response: 1402271
Conc: 68.46 ug/ml



#3 Butyraldehyde

R.T.: 13.349 min
Delta R.T.: 0.024 min
Response: 2545282
Conc: 68.63 ug/ml m

17.1.26 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28511.D\dadlb.ch Vial: 18
 Acq On : 22-Oct-2010, 15:22:43 Operator: caobinz
 Sample : ja58750-14,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28511.D\dadla.ch Vial: 18
 Acq On : 22-Oct-2010, 15:22:43 Operator: caobinz
 Sample : ja58750-14,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p
 Quant Time: Oct 23 9:22 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
System Monitoring Compounds						
3) s Butyraldehyde	13.44	13.44	272944	516797	12.825	13.696
Spiked Amount	50.000	Range	10 - 115	Recovery	=	25.65% 27.39%

Target Compounds	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm
1) Formaldehyde	8.08	8.08	2160981	5849126	86.876m	86.346m

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28511.D\dad1b.ch
Acq On : 22-Oct-2010, 15:22:43
Sample : ja58750-14,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 18
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28511.D\dad1a.ch
Acq On : 22-Oct-2010, 15:22:43
Sample : ja58750-14,1ul
Misc :
IntFile : rteint2.p

Vial: 18
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 23 9:22 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

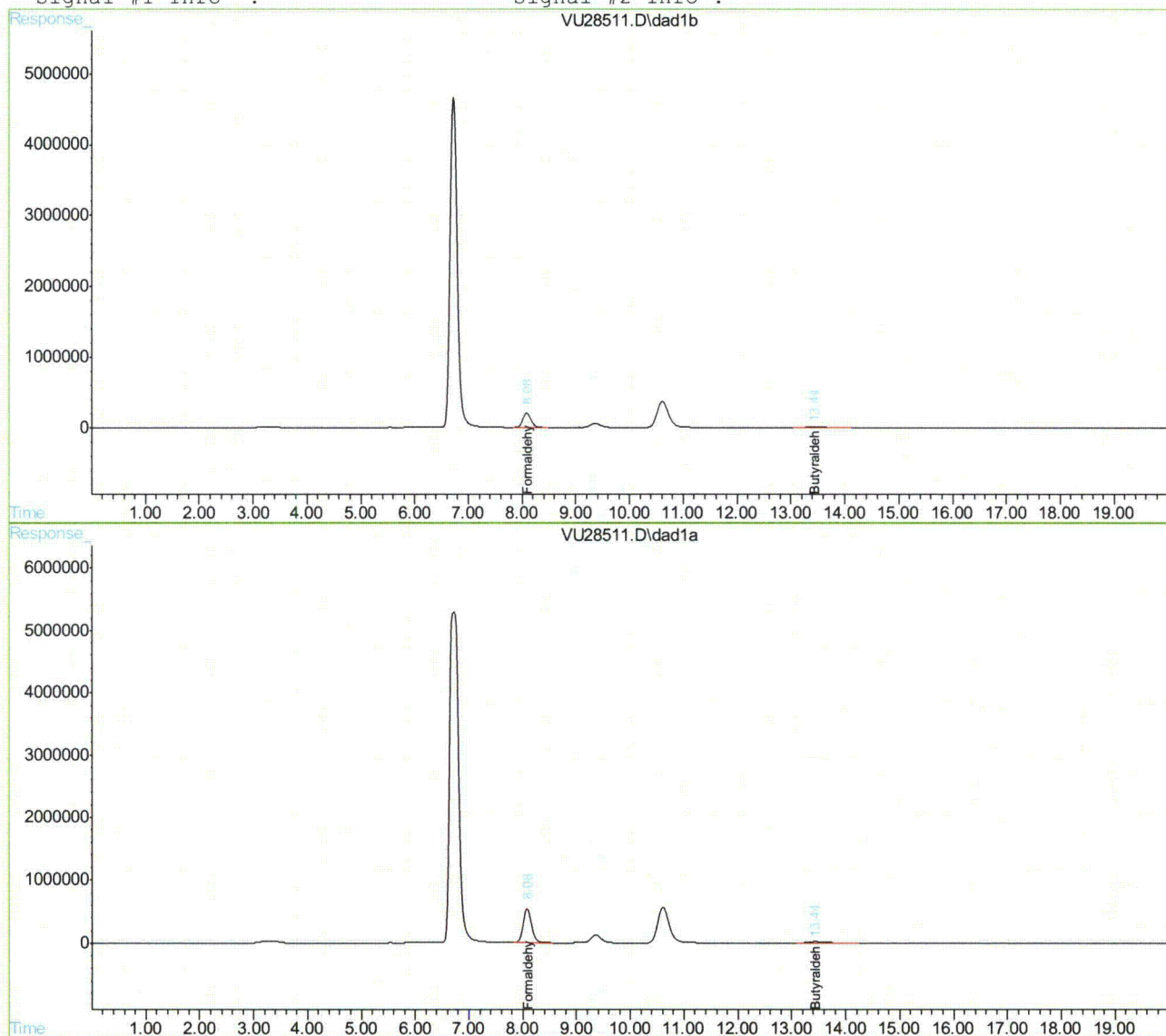
Volume Inj. :

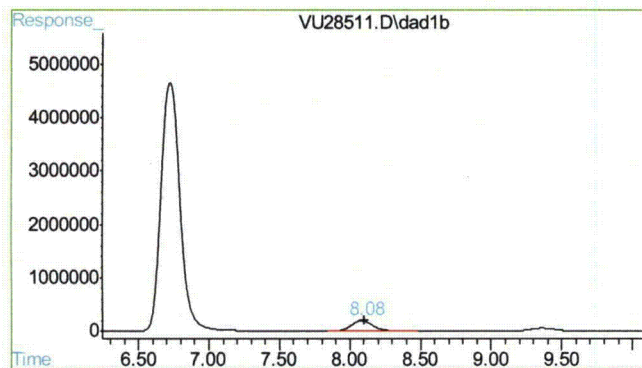
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

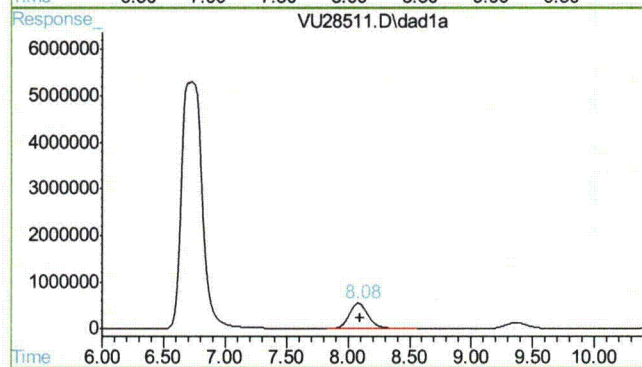
Signal #2 Info :





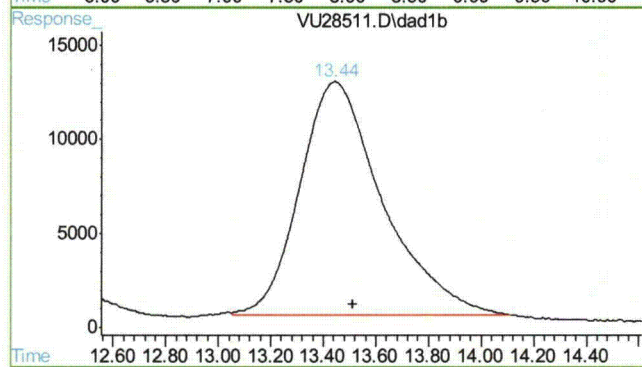
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.019 min
Response: 2160981
Conc: 86.88 ppm m



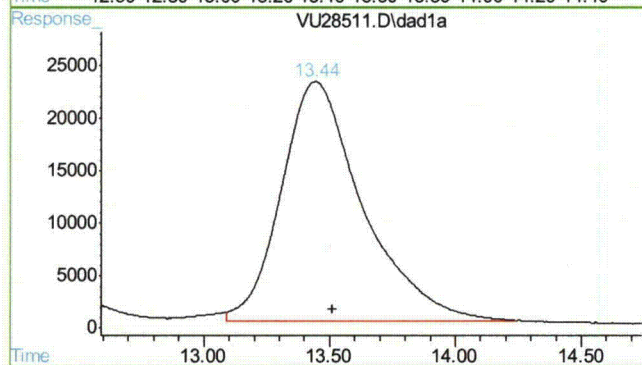
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.019 min
Response: 5849126
Conc: 86.35 ppm m



#3 Butyraldehyde

R.T.: 13.443 min
Delta R.T.: -0.069 min
Response: 272944
Conc: 12.82 ug/ml



#3 Butyraldehyde

R.T.: 13.443 min
Delta R.T.: -0.069 min
Response: 516797
Conc: 13.70 ug/ml

John Hamilton
11/08/10 15:13

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28469.D\dad1b.ch Vial: 19
Acq On : 21-Oct-2010, 23:27:40 Operator: caobinz
Sample : ja58750-15 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28469.D\dad1a.ch Vial: 19
Acq On : 21-Oct-2010, 23:27:40 Operator: caobinz
Sample : ja58750-15 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:30 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.36	13.36	1222981	2228301	58.381	58.895m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 116.76%#	117.79%#
Target Compounds						
2) Acetaldehyde	9.03	9.09	128964	220814	1.563m	397.611m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28469.D FM102110.M Fri Oct 22 10:52:31 2010 RPT1

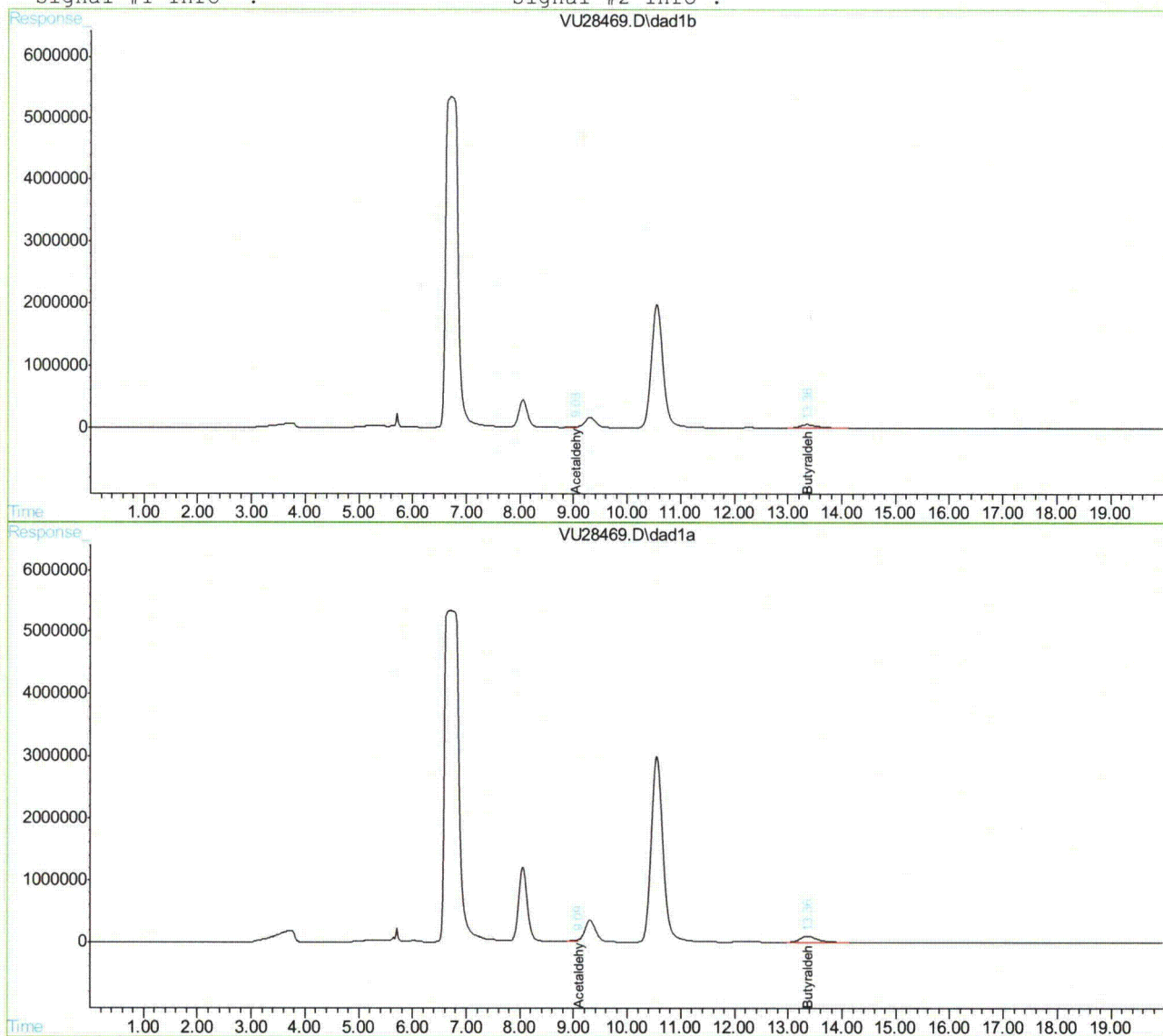
Quantitation Report

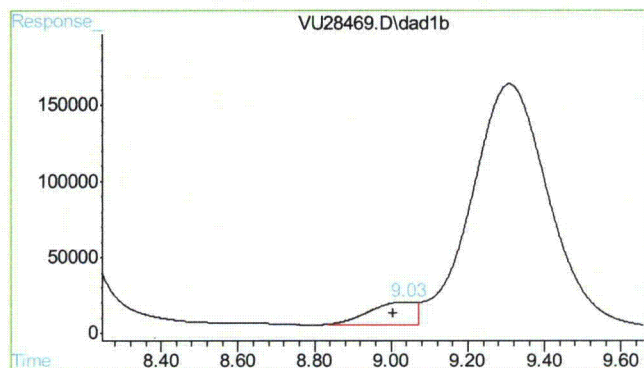
Data File : D:\HPLC2\DATA\102110\VU28469.D\dad1b.ch Vial: 19
Acq On : 21-Oct-2010, 23:27:40 Operator: caobinz
Sample : ja58750-15 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28469.D\dad1a.ch Vial: 19
Acq On : 21-Oct-2010, 23:27:40 Operator: caobinz
Sample : ja58750-15 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:30 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

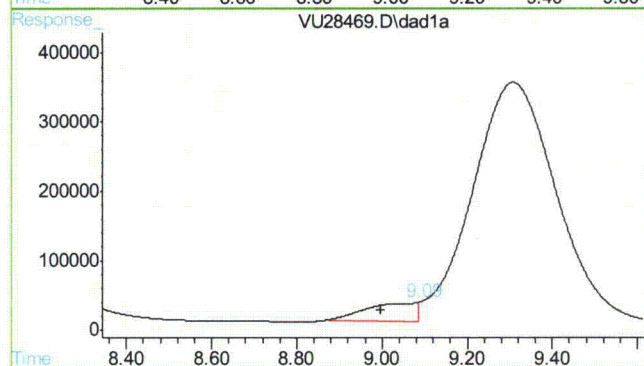
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





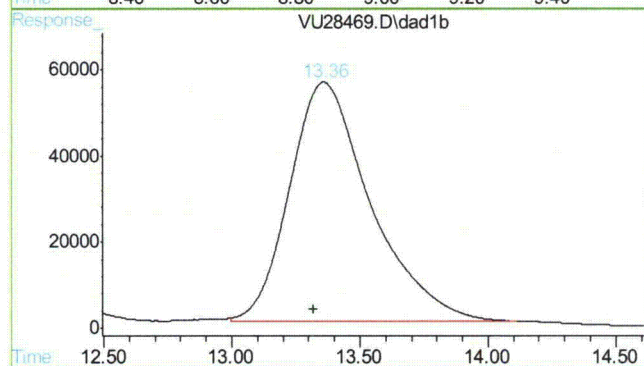
#2 Acetaldehyde

R.T.: 9.031 min
Delta R.T.: 0.026 min
Response: 128964
Conc: 1.56 ppm m



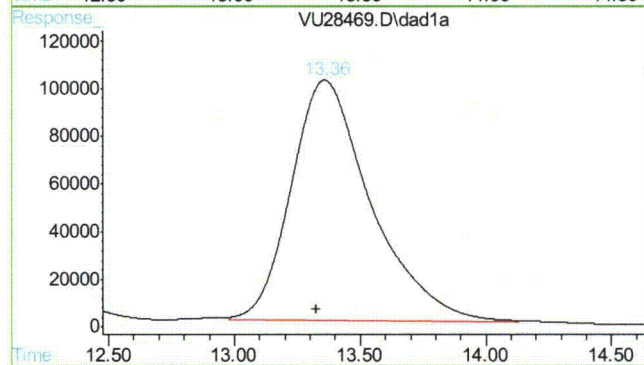
#2 Acetaldehyde

R.T.: 9.085 min
Delta R.T.: 0.090 min
Response: 220814
Conc: 397.61 ppm m



#3 Butyraldehyde

R.T.: 13.359 min
Delta R.T.: 0.040 min
Response: 1222981
Conc: 58.38 ug/ml



#3 Butyraldehyde

R.T.: 13.359 min
Delta R.T.: 0.035 min
Response: 2228301
Conc: 58.89 ug/ml m

17.1.28 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28512.D\dad1b.ch Vial: 19
 Acq On : 22-Oct-2010, 15:43:39 Operator: caobinz
 Sample : ja58750-15,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28512.D\dad1a.ch Vial: 19
 Acq On : 22-Oct-2010, 15:43:39 Operator: caobinz
 Sample : ja58750-15,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p
 Quant Time: Oct 23 9:23 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.42	13.42	246546	451219	11.698	12.148
Spiked Amount	50.000	Range	10 - 115	Recovery	=	23.40% 24.30%
Target Compounds						
1) Formaldehyde	8.07	8.07	1024398	2757146	33.721m	32.989m
2) Acetaldehyde	0.00	9.34f	0	-178912	N.D. d	401.807m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28512.D FM102210.M Sat Oct 23 10:55:48 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28512.D\dad1b.ch
Acq On : 22-Oct-2010, 15:43:39
Sample : ja58750-15,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 19
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28512.D\dad1a.ch
Acq On : 22-Oct-2010, 15:43:39
Sample : ja58750-15,1ul
Misc :
IntFile : rteint2.p

Vial: 19
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 23 9:23 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

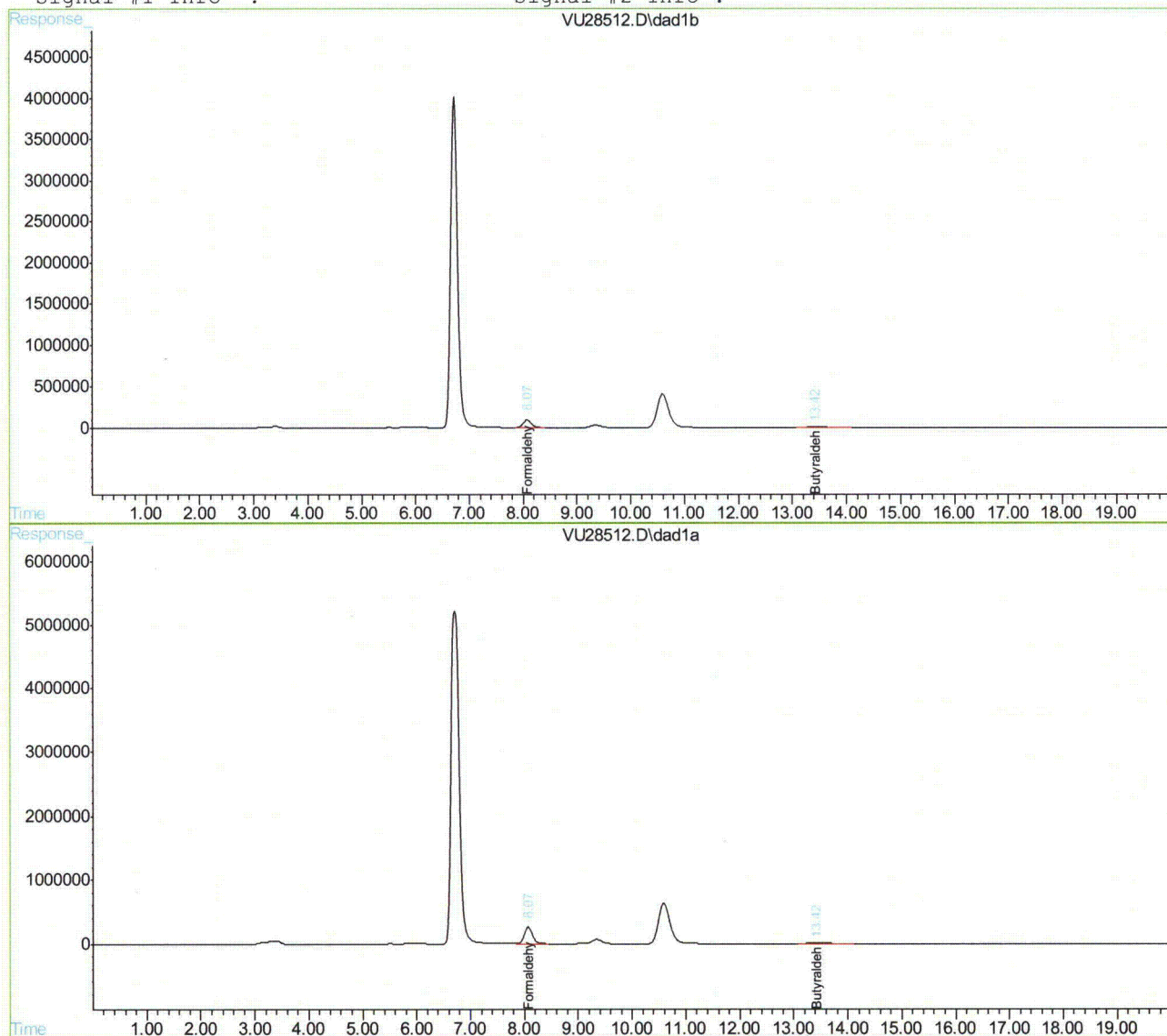
Volume Inj. :

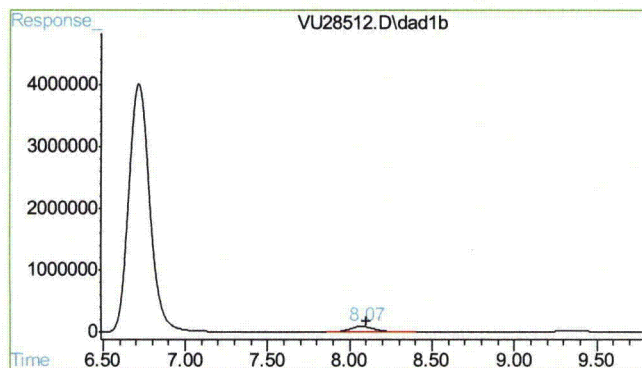
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

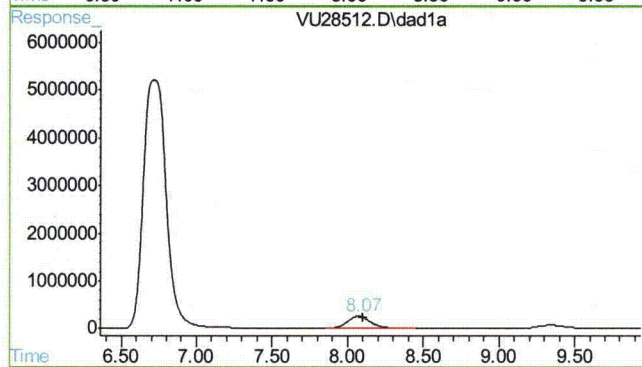
Signal #2 Info :





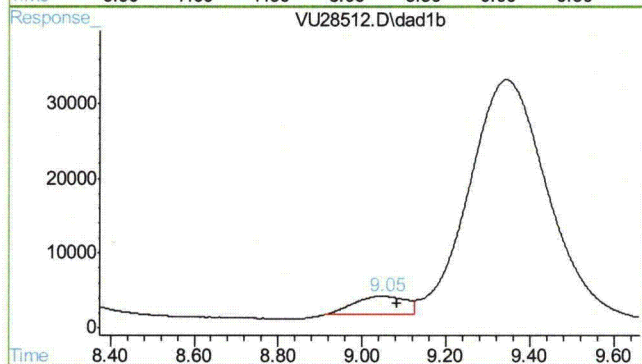
#1 Formaldehyde

R.T.: 8.071 min
Delta R.T.: -0.031 min
Response: 1024398
Conc: 33.72 ppm m



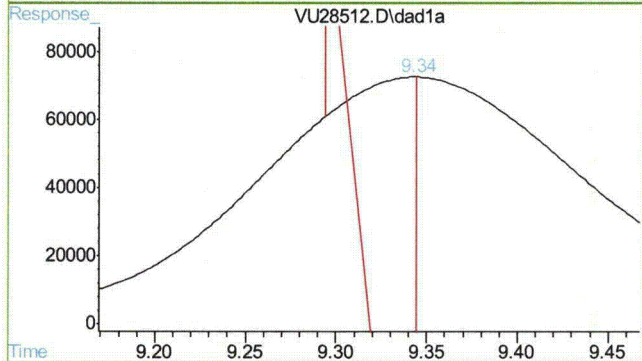
#1 Formaldehyde

R.T.: 8.071 min
Delta R.T.: -0.031 min
Response: 2757146
Conc: 32.99 ppm m



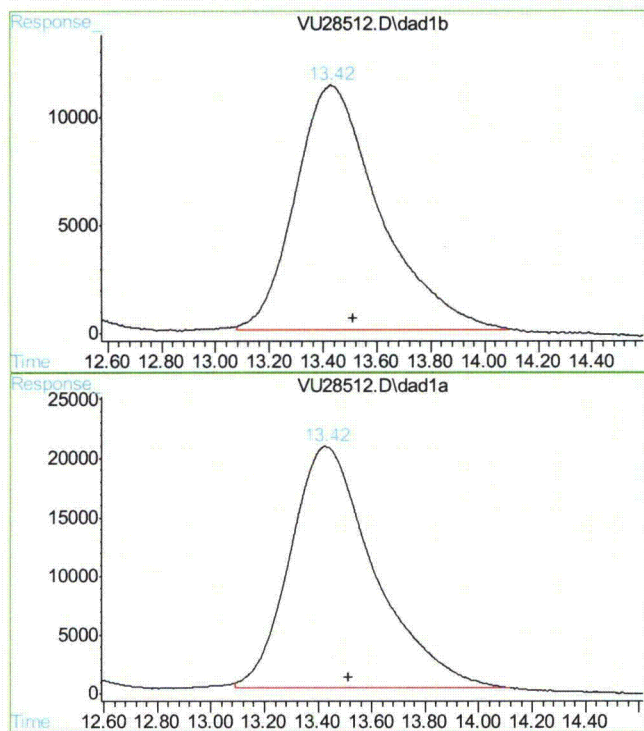
#2 Acetaldehyde

R.T.: 0.000 min
Exp R.T.: 9.085 min
Response: 0
Conc: N.D. d



#2 Acetaldehyde

R.T.: 9.342 min
Delta R.T.: 0.268 min
Response: -178912
Conc: 401.81 ppm m



#3 Butyraldehyde

R.T.: 13.424 min
Delta R.T.: -0.087 min
Response: 246546
Conc: 11.70 ug/ml

#3 Butyraldehyde

R.T.: 13.424 min
Delta R.T.: -0.087 min
Response: 451219
Conc: 12.15 ug/ml

17.1.29

17

John Hamilton
11/08/10 15:13

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28470.D\dad1b.ch Vial: 20
Acq On : 21-Oct-2010, 23:48:36 Operator: caobinz
Sample : ja58750-16 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28470.D\dad1a.ch Vial: 20
Acq On : 21-Oct-2010, 23:48:36 Operator: caobinz
Sample : ja58750-16 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:31 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.36	13.37	1374342	2528234	66.844	68.091m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	133.69%# 136.18%#

Target Compounds						
2) Acetaldehyde	9.04	9.04	165092	260246	2.256	397.193 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28470.D FM102110.M Fri Oct 22 10:52:36 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28470.D\dad1b.ch
Acq On : 21-Oct-2010, 23:48:36
Sample : ja58750-16
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 20
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28470.D\dad1a.ch
Acq On : 21-Oct-2010, 23:48:36
Sample : ja58750-16
Misc :
IntFile : rteint2.p

Vial: 20
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 9:31 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

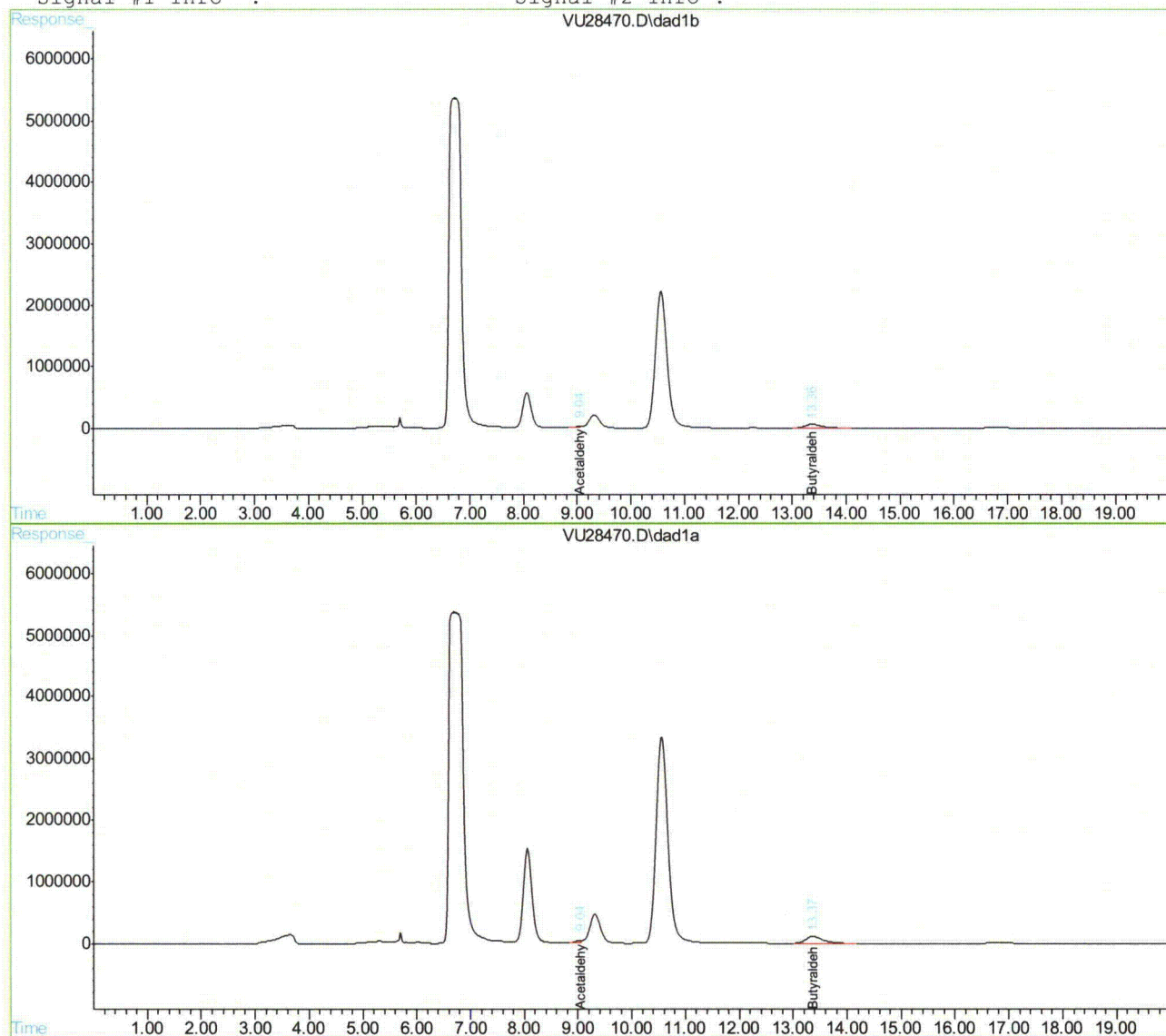
Volume Inj. :

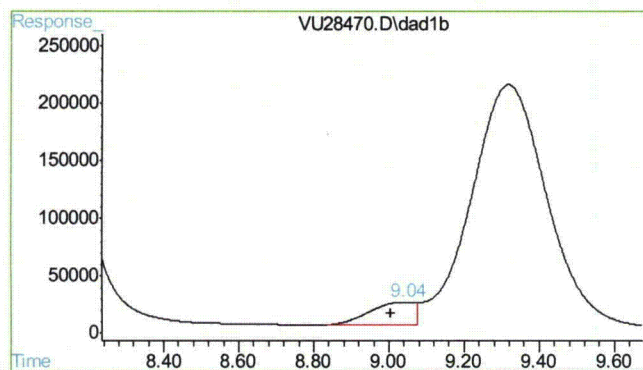
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

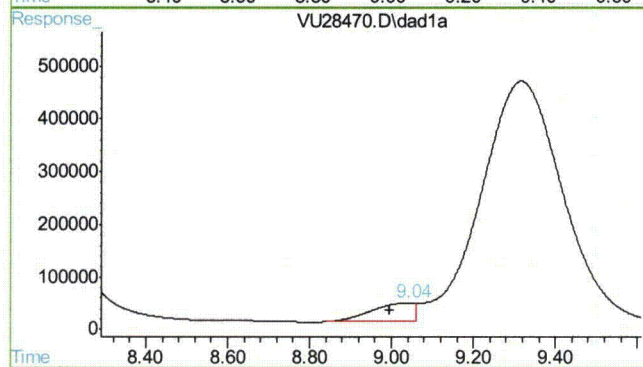
Signal #2 Info :





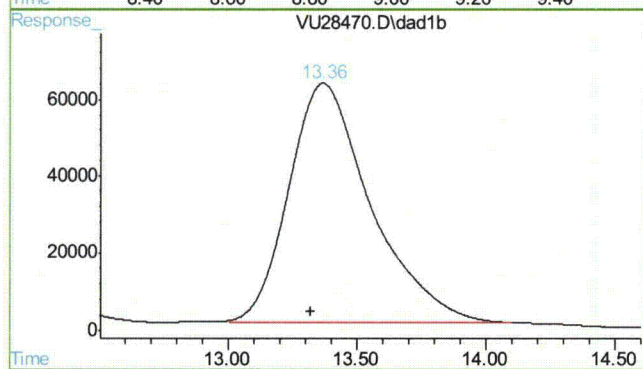
#2 Acetaldehyde

R.T.: 9.037 min
Delta R.T.: 0.033 min
Response: 165092
Conc: 2.26 ppm



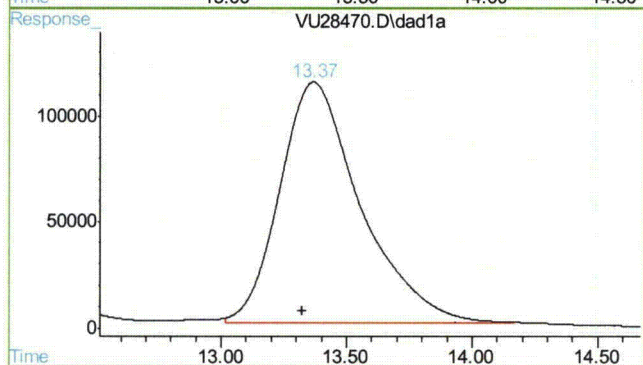
#2 Acetaldehyde

R.T.: 9.042 min
Delta R.T.: 0.046 min
Response: 260246
Conc: 397.19 ppm



#3 Butyraldehyde

R.T.: 13.364 min
Delta R.T.: 0.045 min
Response: 1374342
Conc: 66.84 ug/ml



#3 Butyraldehyde

R.T.: 13.366 min
Delta R.T.: 0.041 min
Response: 2528234
Conc: 68.09 ug/ml m

17.1.30 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28513.D\dad1b.ch Vial: 20
 Acq On : 22-Oct-2010, 16:04:31 Operator: caobinz
 Sample : ja58750-16,1ul Inst : G1315A
 Misc : op22983,gvul1289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28513.D\dad1a.ch Vial: 20
 Acq On : 22-Oct-2010, 16:04:31 Operator: caobinz
 Sample : ja58750-16,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:23 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.40	13.41	271805	496862	12.776	13.224
Spiked Amount	50.000	Range	10 - 115	Recovery	=	25.55% 26.45%
Target Compounds						
1) Formaldehyde	8.06	8.06	1281728	3399034	43.985	42.344m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28513.D FM102210.M Sat Oct 23 10:55:53 2010 RPT1

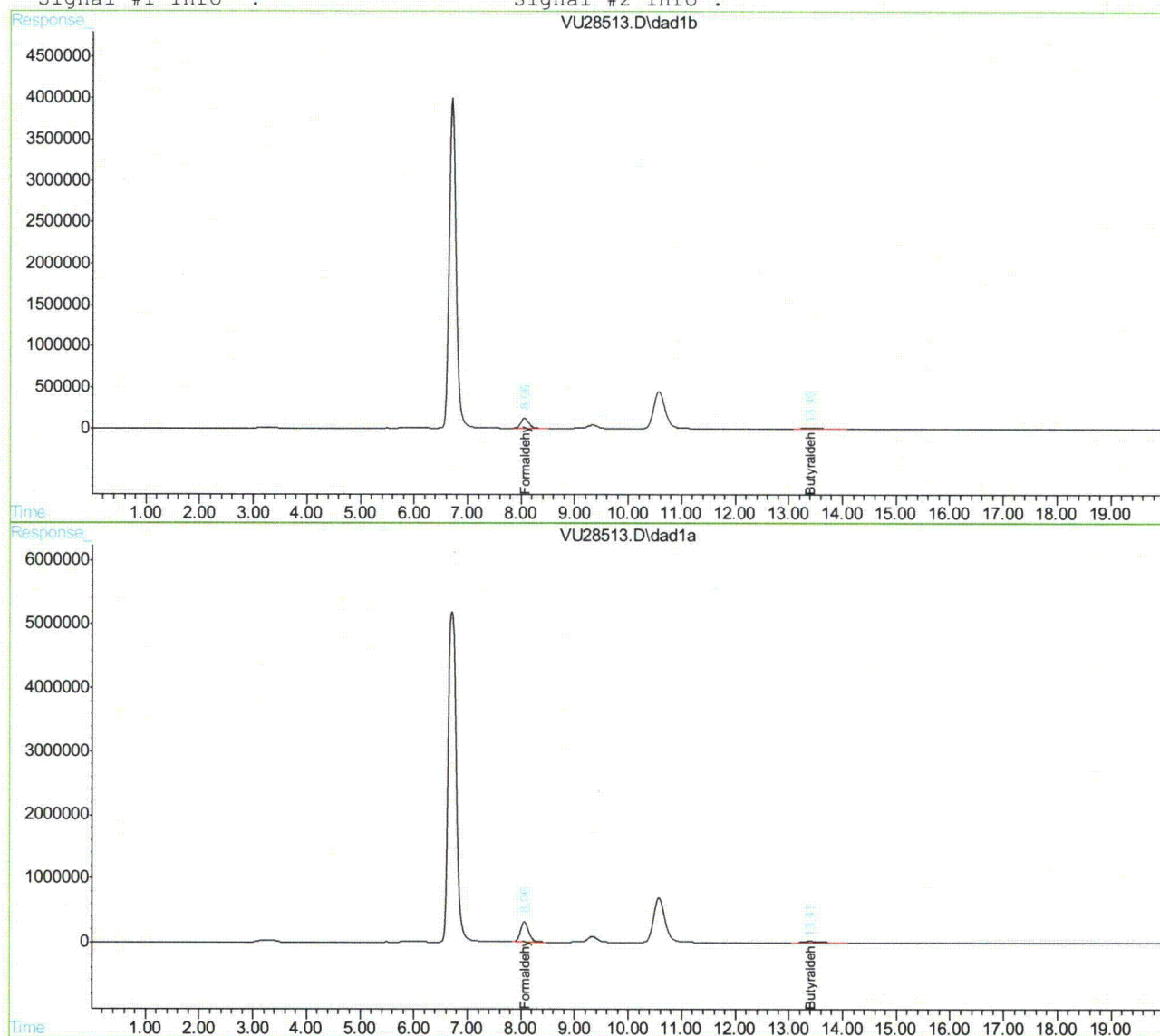
Quantitation Report

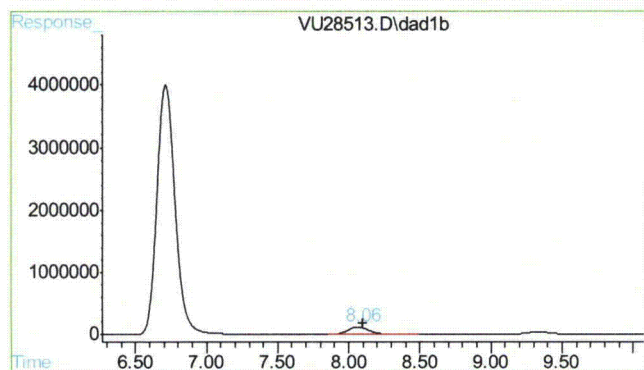
Data File : D:\HPLC2\DATA\102210\VU28513.D\dad1b.ch Vial: 20
Acq On : 22-Oct-2010, 16:04:31 Operator: caobinz
Sample : ja58750-16,1ul Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28513.D\dad1a.ch Vial: 20
Acq On : 22-Oct-2010, 16:04:31 Operator: caobinz
Sample : ja58750-16,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:23 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

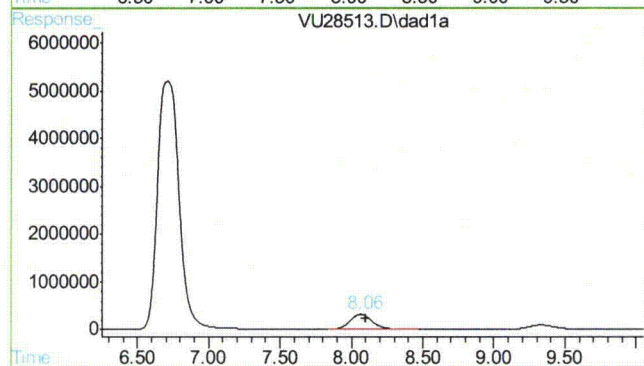
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





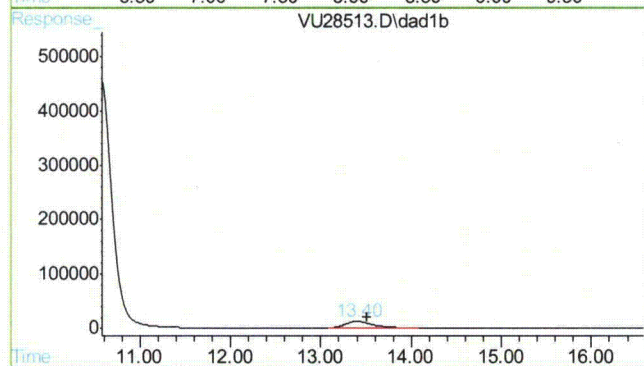
#1 Formaldehyde

R.T.: 8.064 min
Delta R.T.: -0.037 min
Response: 1281728
Conc: 43.99 ppm



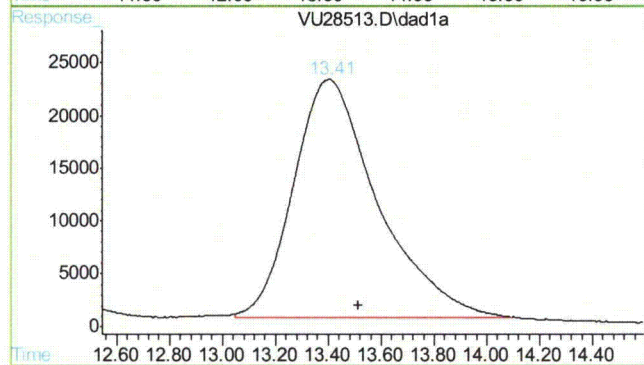
#1 Formaldehyde

R.T.: 8.064 min
Delta R.T.: -0.037 min
Response: 3399034
Conc: 42.34 ppm m



#3 Butyraldehyde

R.T.: 13.404 min
Delta R.T.: -0.107 min
Response: 271805
Conc: 12.78 ug/ml



#3 Butyraldehyde

R.T.: 13.406 min
Delta R.T.: -0.106 min
Response: 496862
Conc: 13.22 ug/ml

John Hamilton
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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28472.D\dad1b.ch Vial: 21
Acq On : 22-Oct-2010, 00:30:30 Operator: caobinz
Sample : ja58750-17 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28472.D\dad1a.ch Vial: 21
Acq On : 22-Oct-2010, 00:30:30 Operator: caobinz
Sample : ja58750-17 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:33 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.37	13.37	1133958	2041131	53.598	53.395m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	107.20% 106.79%

Target Compounds						
2) Acetaldehyde	9.08	9.07	150505	244459	1.976m	397.360m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28472.D FM102110.M Fri Oct 22 10:52:47 2010 RPT1

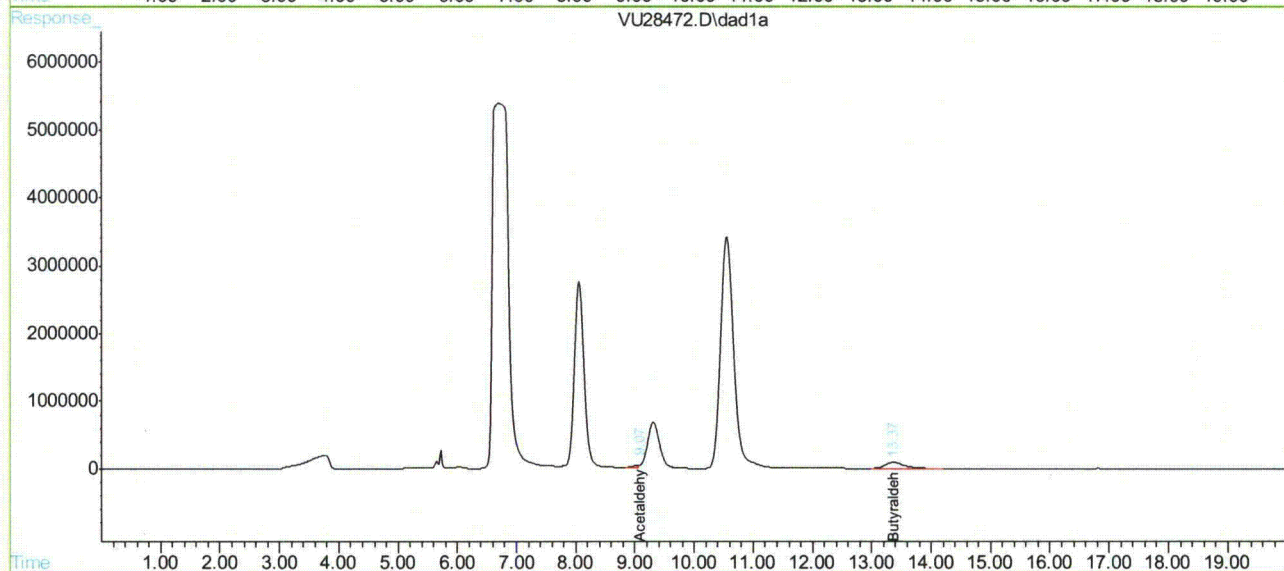
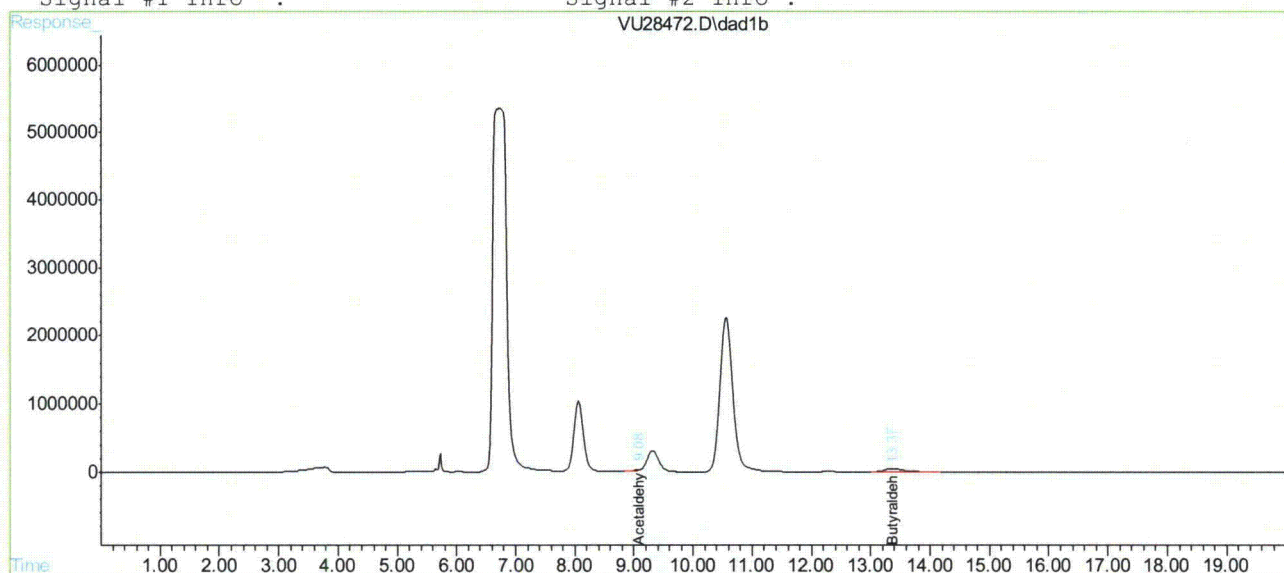
Quantitation Report

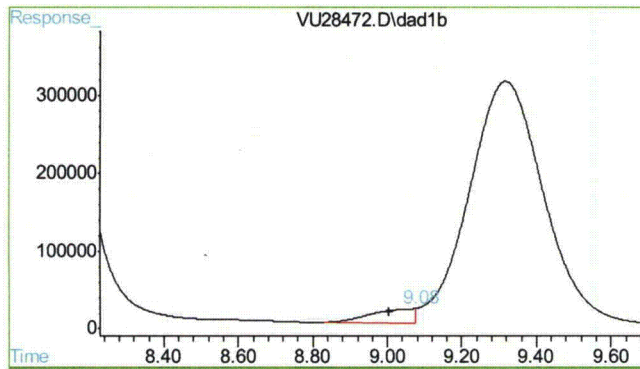
Data File : D:\HPLC2\DATA\102110\VU28472.D\dad1b.ch Vial: 21
Acq On : 22-Oct-2010, 00:30:30 Operator: caobinz
Sample : ja58750-17 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28472.D\dad1a.ch Vial: 21
Acq On : 22-Oct-2010, 00:30:30 Operator: caobinz
Sample : ja58750-17 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:33 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

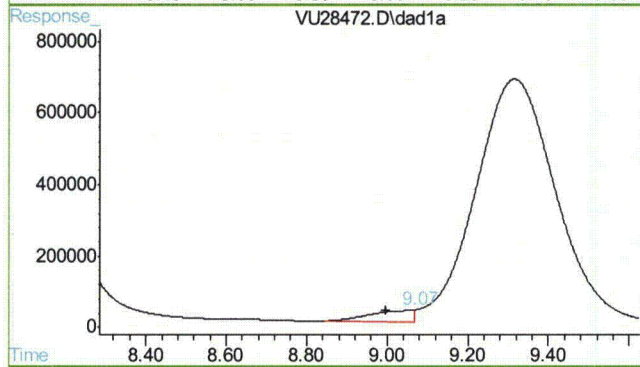
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





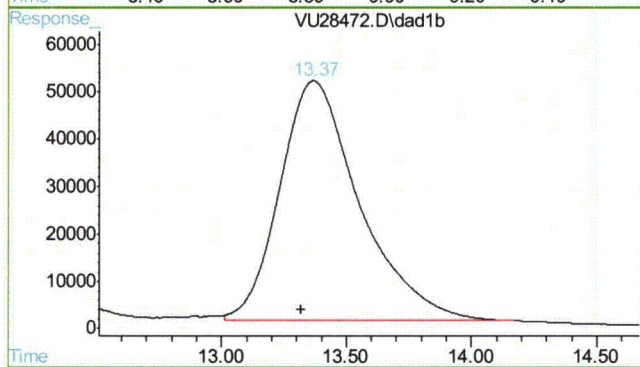
#2 Acetaldehyde

R.T.: 9.075 min
Delta R.T.: 0.071 min
Response: 150505
Conc: 1.98 ppm m



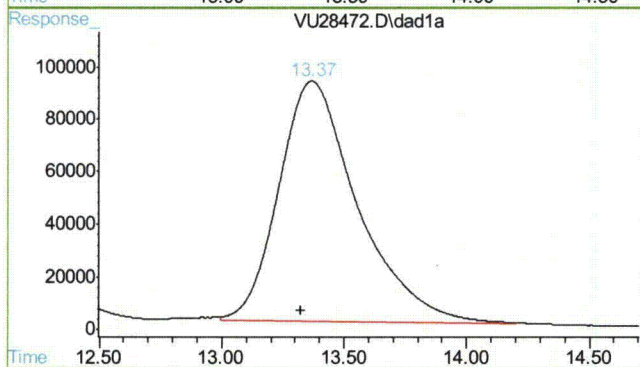
#2 Acetaldehyde

R.T.: 9.069 min
Delta R.T.: 0.073 min
Response: 244459
Conc: 397.36 ppm m



#3 Butyraldehyde

R.T.: 13.367 min
Delta R.T.: 0.048 min
Response: 1133958
Conc: 53.60 ug/ml



#3 Butyraldehyde

R.T.: 13.366 min
Delta R.T.: 0.041 min
Response: 2041131
Conc: 53.40 ug/ml m

17.1.32 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28515.D\dad1b.ch Vial: 21
 Acq On : 22-Oct-2010, 16:46:19 Operator: caobinz
 Sample : ja58750-17,1:10 Inst : G1315A
 Misc : op22983,gvu1289,25,,,1,10 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28515.D\dad1a.ch Vial: 21
 Acq On : 22-Oct-2010, 16:46:19 Operator: caobinz
 Sample : ja58750-17,1:10 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:25 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.42	13.42	100003	185182	5.546m	5.979m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	11.09% 11.96%
Target Compounds						
1) Formaldehyde	8.07	8.07	1060854	2830481	35.132	34.028m

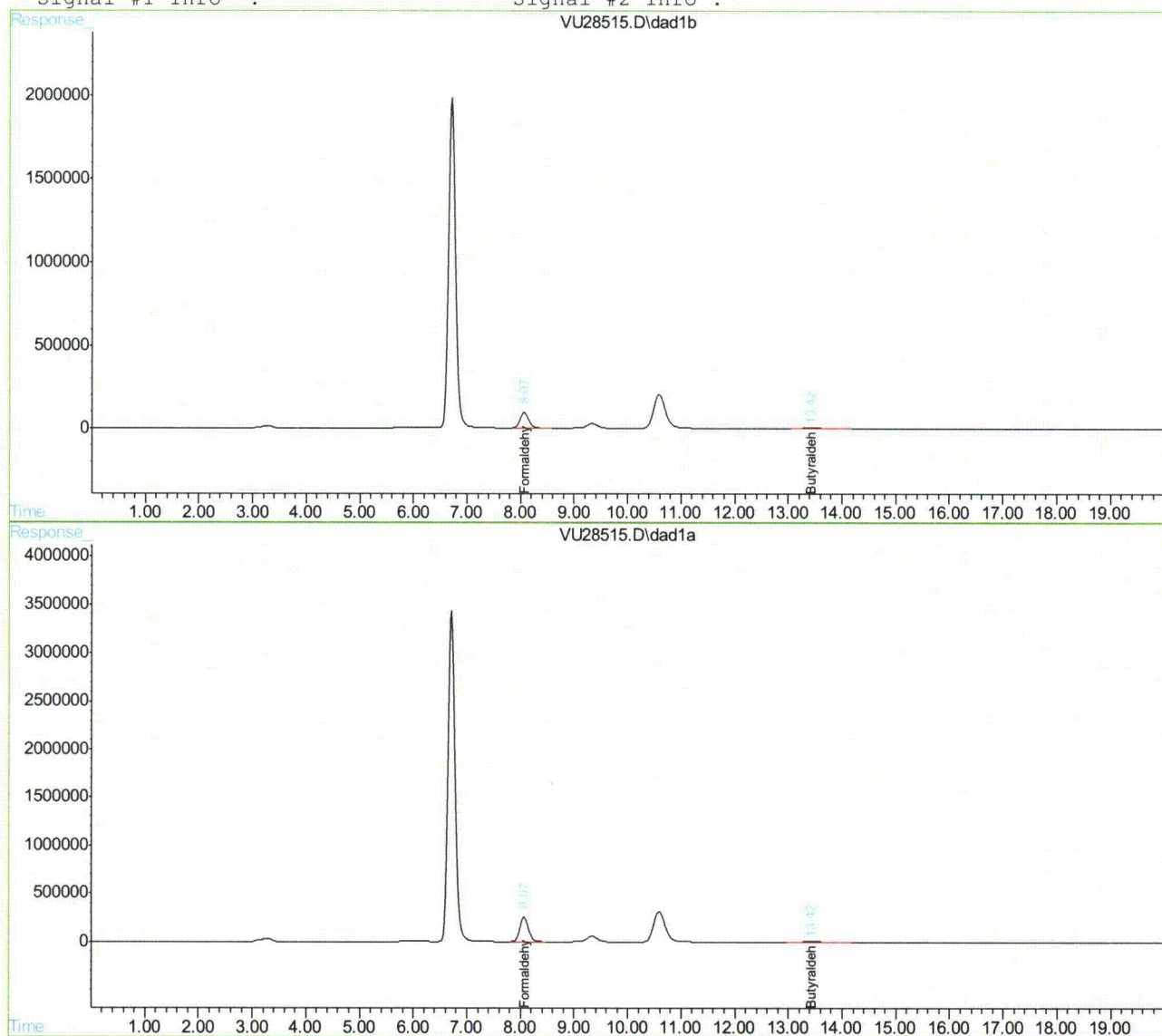
Quantitation Report

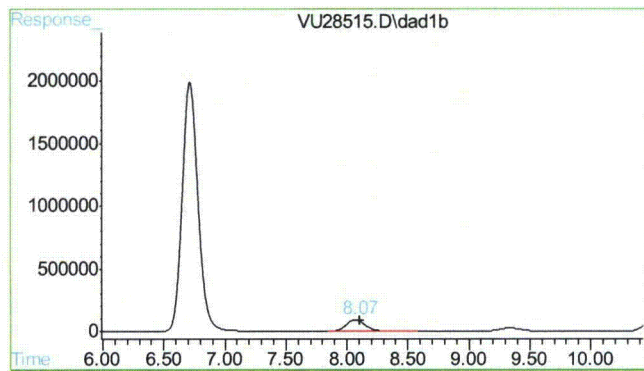
Data File : D:\HPLC2\DATA\102210\VU28515.D\dad1b.ch Vial: 21
Acq On : 22-Oct-2010, 16:46:19 Operator: caobinz
Sample : ja58750-17,1:10 Inst : G1315A
Misc : op22983,gvu1289,25,,,1,10 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28515.D\dad1a.ch Vial: 21
Acq On : 22-Oct-2010, 16:46:19 Operator: caobinz
Sample : ja58750-17,1:10 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:25 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

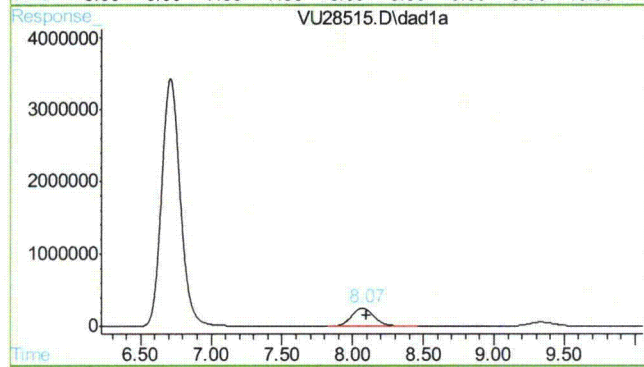
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





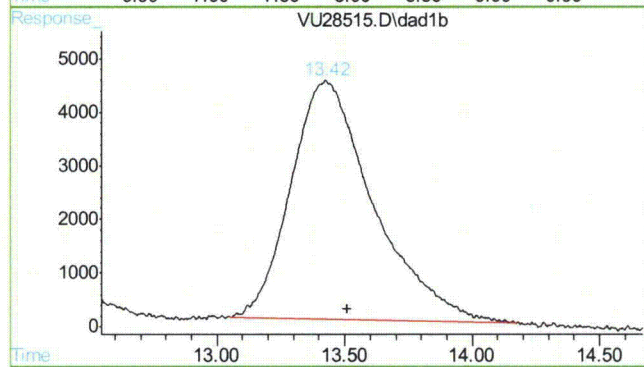
#1 Formaldehyde

R.T.: 8.068 min
Delta R.T.: -0.034 min
Response: 1060854
Conc: 35.13 ppm



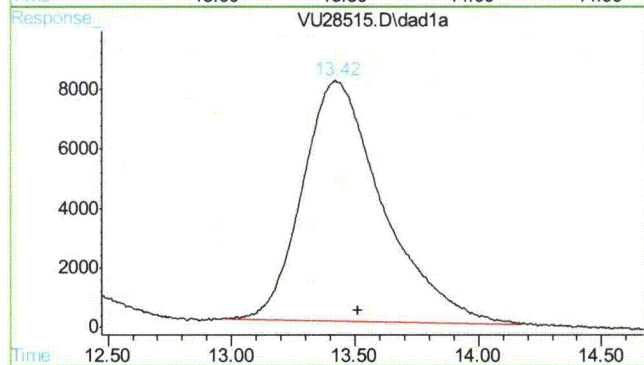
#1 Formaldehyde

R.T.: 8.068 min
Delta R.T.: -0.034 min
Response: 2830481
Conc: 34.03 ppm m



#3 Butyraldehyde

R.T.: 13.423 min
Delta R.T.: -0.088 min
Response: 100003
Conc: 5.55 ug/ml m



#3 Butyraldehyde

R.T.: 13.421 min
Delta R.T.: -0.090 min
Response: 185182
Conc: 5.98 ug/ml m

17.1.33 17

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Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28473.D\dad1b.ch Vial: 22
Acq On : 22-Oct-2010, 00:51:23 Operator: caobinz
Sample : ja58750-18 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28473.D\dad1a.ch Vial: 22
Acq On : 22-Oct-2010, 00:51:23 Operator: caobinz
Sample : ja58750-18 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:34 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.36	13.36	1082290	1962727	50.882	51.141m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 101.76%	102.28%

Target Compounds						
2) Acetaldehyde	9.02	9.02	146198	240678	1.893	397.400 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28473.D FM102110.M Fri Oct 22 10:52:53 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28473.D\dad1b.ch
Acq On : 22-Oct-2010, 00:51:23
Sample : ja58750-18
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 22
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28473.D\dad1a.ch
Acq On : 22-Oct-2010, 00:51:23
Sample : ja58750-18
Misc :
IntFile : rteint2.p

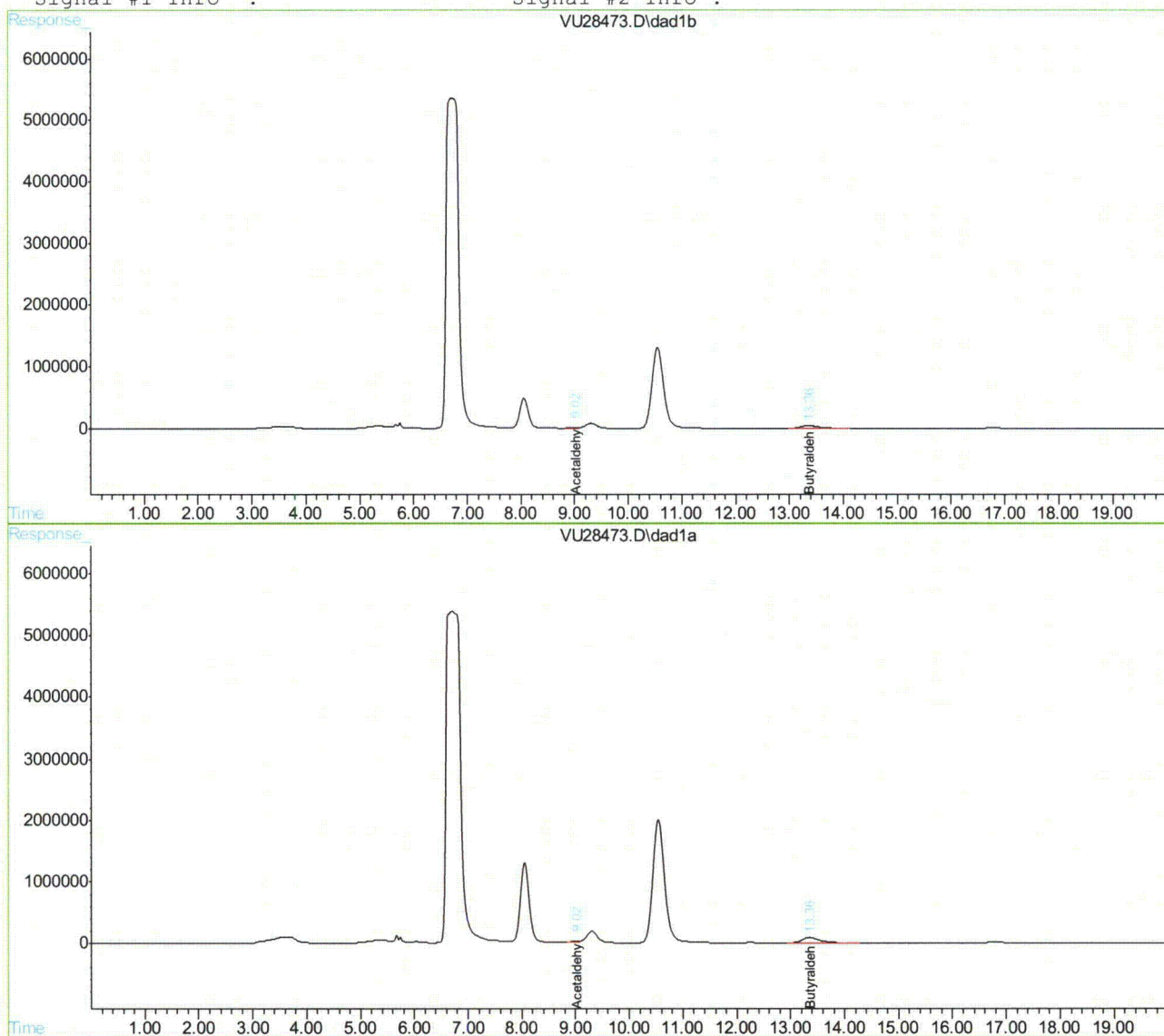
Vial: 22
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

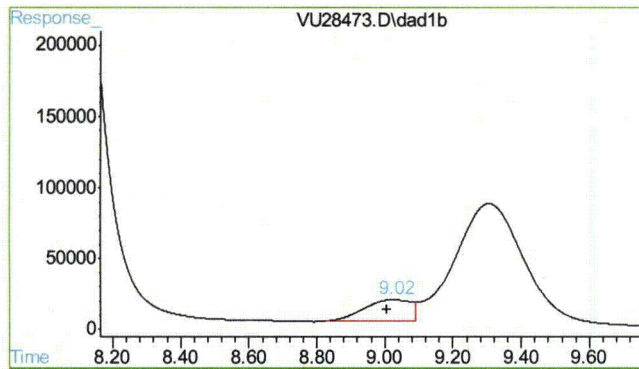
Quant Time: Oct 22 9:34 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

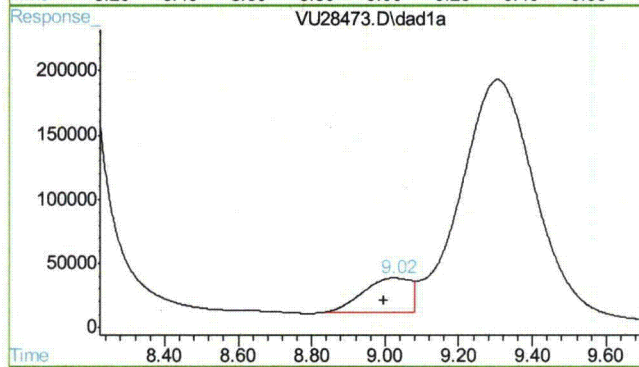
Signal #2 Phase:
Signal #2 Info :





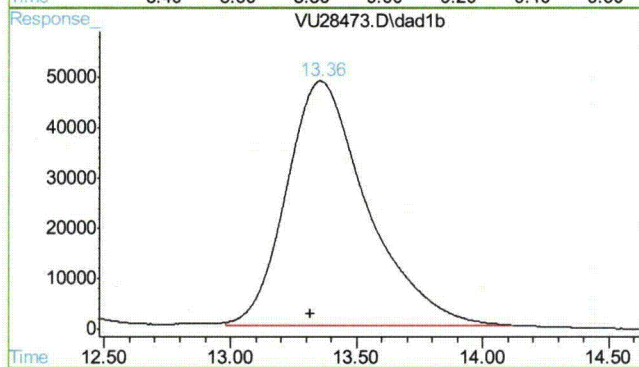
#2 Acetaldehyde

R.T.: 9.019 min
Delta R.T.: 0.015 min
Response: 146198
Conc: 1.89 ppm



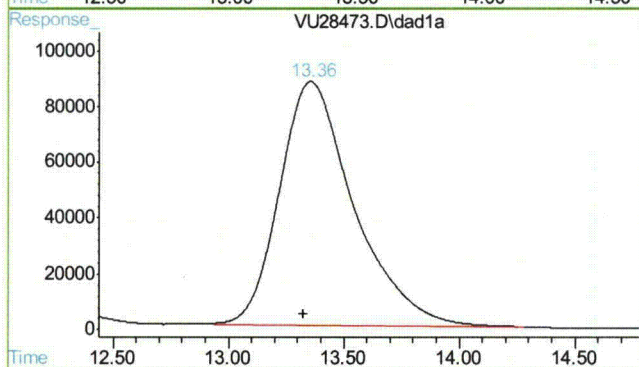
#2 Acetaldehyde

R.T.: 9.024 min
Delta R.T.: 0.028 min
Response: 240678
Conc: 397.40 ppm



#3 Butyraldehyde

R.T.: 13.355 min
Delta R.T.: 0.036 min
Response: 1082290
Conc: 50.88 ug/ml



#3 Butyraldehyde

R.T.: 13.357 min
Delta R.T.: 0.033 min
Response: 1962727
Conc: 51.14 ug/ml m

17.1.34
17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28516.D\dad1b.ch Vial: 22
 Acq On : 22-Oct-2010, 17:07:13 Operator: caobinz
 Sample : ja58750-18,1ul Inst : G1315A
 Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28516.D\dad1a.ch Vial: 22
 Acq On : 22-Oct-2010, 17:07:13 Operator: caobinz
 Sample : ja58750-18,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:26 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.13f	13.13f	207181	385151	10.028m	10.600m
Spiked Amount	50.000	Range	10 - 115	Recovery =	20.06%	21.20%
Target Compounds						
1) Formaldehyde	8.00f	8.00f	1074955	2882931	35.681m	34.775m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28516.D FM102210.M Sat Oct 23 10:56:11 2010 RPT1

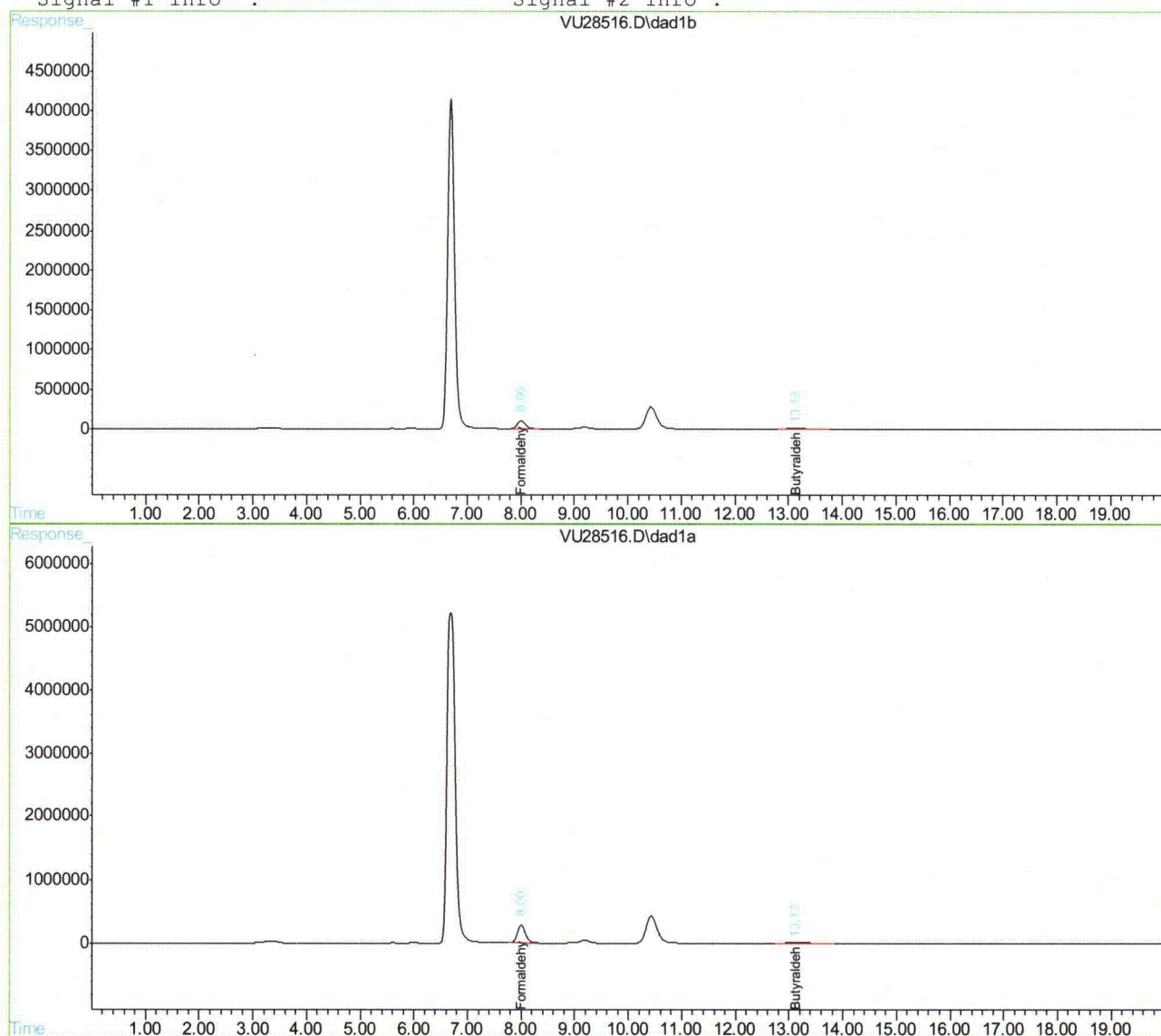
Quantitation Report

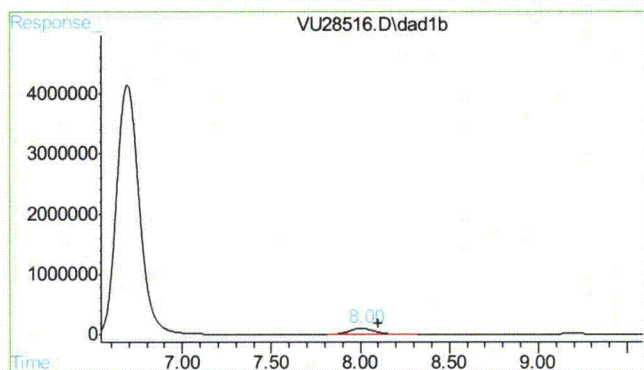
Data File : D:\HPLC2\DATA\102210\VU28516.D\dad1b.ch Vial: 22
Acq On : 22-Oct-2010, 17:07:13 Operator: caobinz
Sample : ja58750-18,1ul Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28516.D\dad1a.ch Vial: 22
Acq On : 22-Oct-2010, 17:07:13 Operator: caobinz
Sample : ja58750-18,1ul Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:26 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

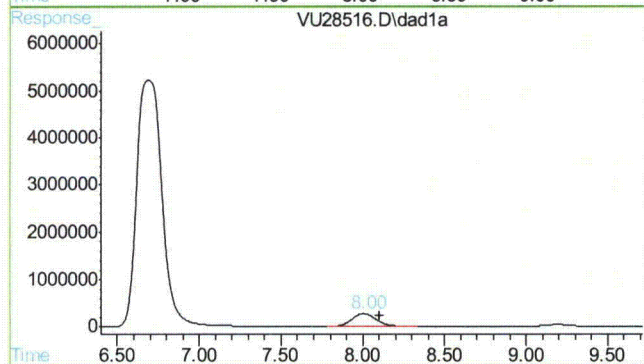
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





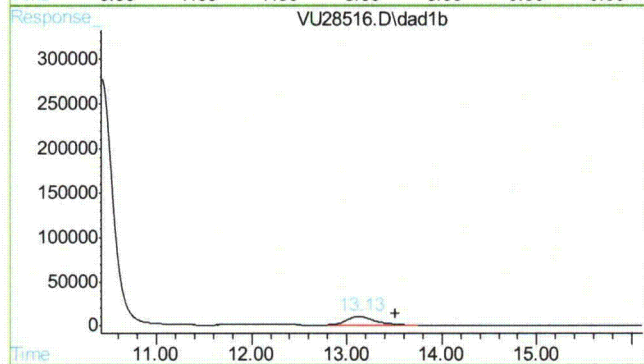
#1 Formaldehyde

R.T.: 8.004 min
Delta R.T.: -0.097 min
Response: 1074955
Conc: 35.68 ppm m



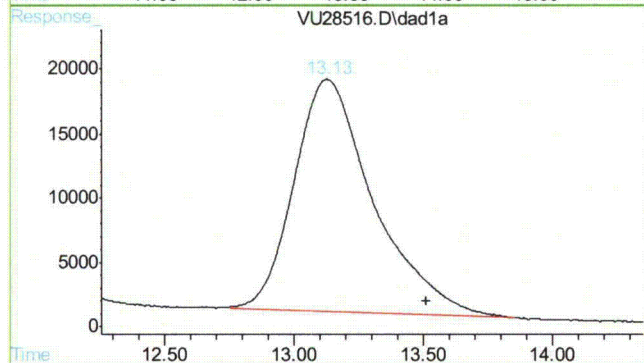
#1 Formaldehyde

R.T.: 8.004 min
Delta R.T.: -0.097 min
Response: 2882931
Conc: 34.77 ppm m



#3 Butyraldehyde

R.T.: 13.131 min
Delta R.T.: -0.380 min
Response: 207181
Conc: 10.03 ug/ml m



#3 Butyraldehyde

R.T.: 13.126 min
Delta R.T.: -0.386 min
Response: 385151
Conc: 10.60 ug/ml m

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28450.D\dadlb.ch Vial: 1
Acq On : 21-Oct-2010, 16:50:10 Operator: caobinz
Sample : op22983-mb Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28450.D\dadla.ch Vial: 1
Acq On : 21-Oct-2010, 16:50:10 Operator: caobinz
Sample : op22983-mb Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 8:50 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.33	13.33	961722	1758975	44.703	45.410
Spiked Amount	50.000	Range	10 - 115	Recovery	= 89.41%	90.82%

Target Compounds

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28450.D FM102110.M Fri Oct 22 10:50:48 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28450.D\dad1b.ch
Acq On : 21-Oct-2010, 16:50:10
Sample : op22983-mb
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 1
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28450.D\dad1a.ch
Acq On : 21-Oct-2010, 16:50:10
Sample : op22983-mb
Misc :
IntFile : rteint2.p

Vial: 1
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 8:50 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

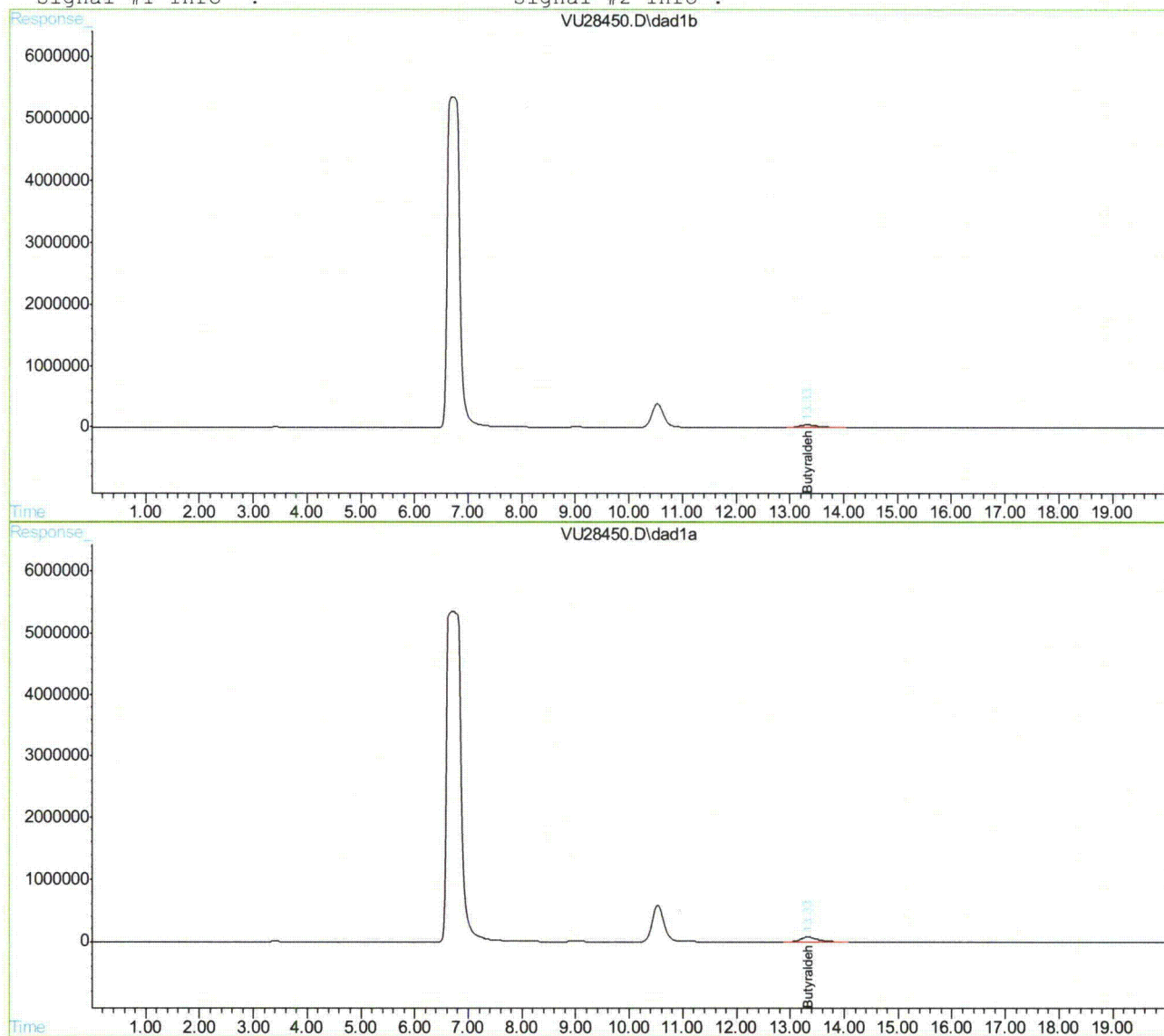
Volume Inj. :

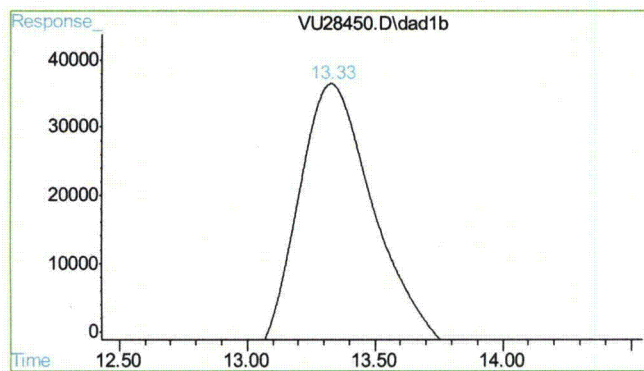
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

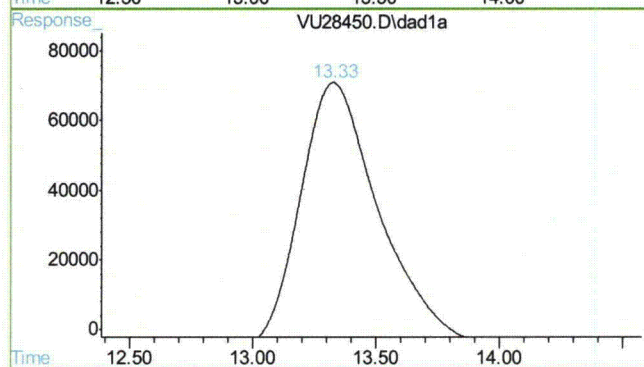
Signal #2 Info :





#3 Butyraldehyde

R.T.: 13.326 min
Delta R.T.: 0.007 min
Response: 961722
Conc: 44.70 ug/ml



#3 Butyraldehyde

R.T.: 13.326 min
Delta R.T.: 0.002 min
Response: 1758975
Conc: 45.41 ug/ml

17.2.1
17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28474.D\dad1b.ch Vial: 23
Acq On : 22-Oct-2010, 01:12:22 Operator: caobinz
Sample : op22983-LB Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28474.D\dad1a.ch Vial: 23
Acq On : 22-Oct-2010, 01:12:22 Operator: caobinz
Sample : op22983-LB Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:35 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.34	13.34	915797	1673282	42.405m	43.052m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	84.81% 86.10%
Target Compounds						
2) Acetaldehyde	9.01	9.01	88863	161844	0.798m	398.236m#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28474.D FM102110.M Fri Oct 22 10:52:58 2010 RPT1

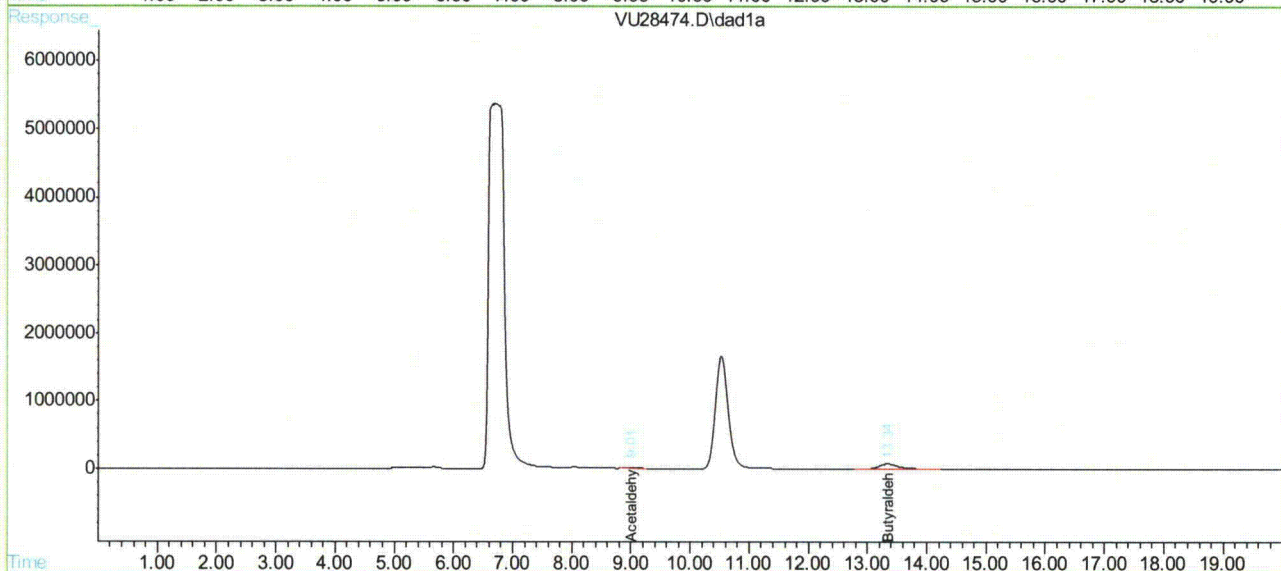
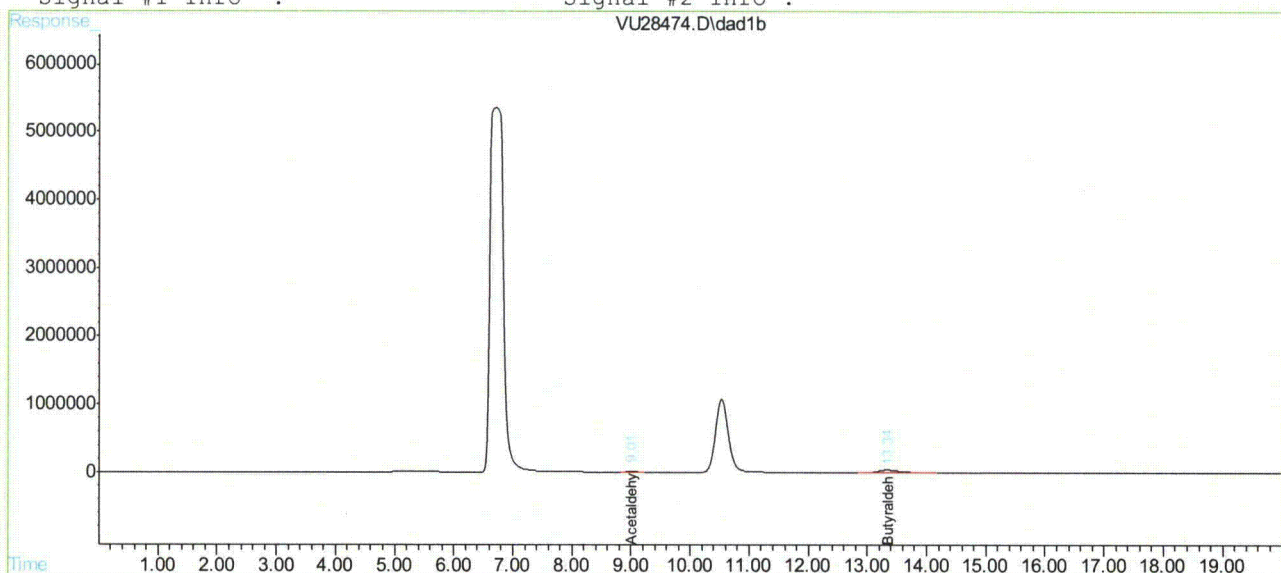
Quantitation Report

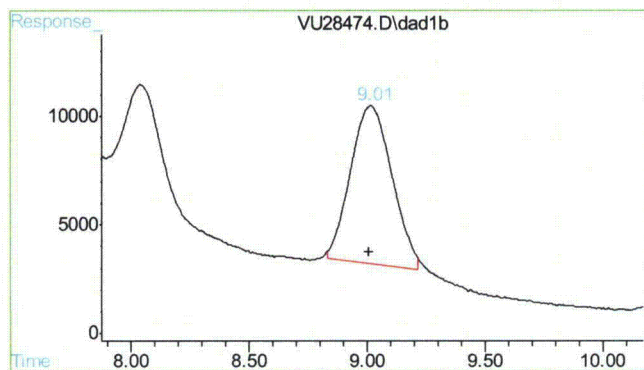
Data File : D:\HPLC2\DATA\102110\VU28474.D\dad1b.ch Vial: 23
Acq On : 22-Oct-2010, 01:12:22 Operator: caobinz
Sample : op22983-LB Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28474.D\dad1a.ch Vial: 23
Acq On : 22-Oct-2010, 01:12:22 Operator: caobinz
Sample : op22983-LB Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:35 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

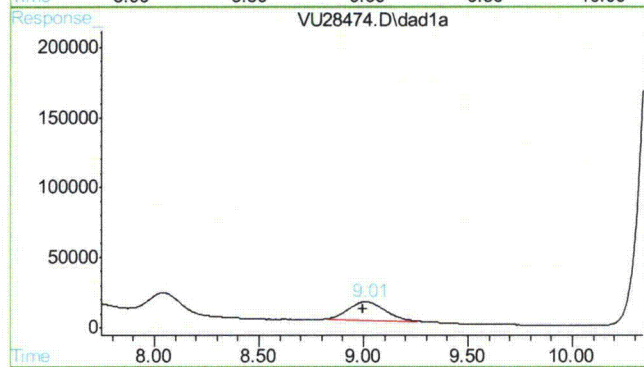
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





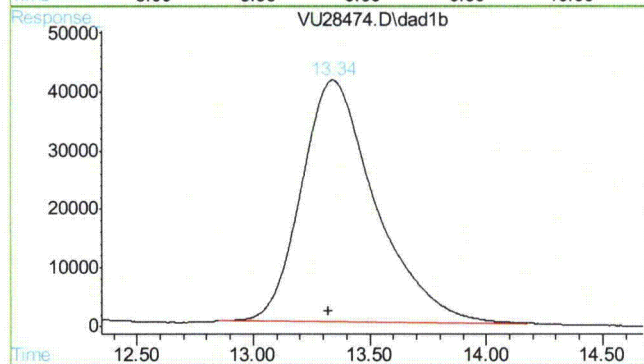
#2 Acetaldehyde

R.T.: 9.011 min
Delta R.T.: 0.007 min
Response: 88863
Conc: 0.80 ppm m



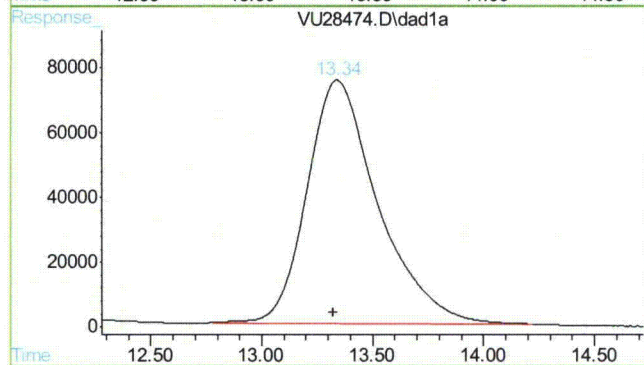
#2 Acetaldehyde

R.T.: 9.011 min
Delta R.T.: 0.015 min
Response: 161844
Conc: 398.24 ppm m



#3 Butyraldehyde

R.T.: 13.338 min
Delta R.T.: 0.018 min
Response: 915797
Conc: 42.40 ug/ml m



#3 Butyraldehyde

R.T.: 13.338 min
Delta R.T.: 0.013 min
Response: 1673282
Conc: 43.05 ug/ml m

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John Hamilton
11/08/10 15:05

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28451.D\dad1b.ch Vial: 2
Acq On : 21-Oct-2010, 17:11:03 Operator: caobinz
Sample : op22983-bs Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28451.D\dad1a.ch Vial: 2
Acq On : 21-Oct-2010, 17:11:03 Operator: caobinz
Sample : op22983-bs Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 8:51 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.30	13.30	1093326	1998135	51.458	52.156
Spiked Amount	50.000	Range	10 - 115	Recovery	= 102.92%	104.31%
Target Compounds						
1) Formaldehyde	8.04	8.04	1005053	2651114	32.977m	31.501m
2) Acetaldehyde	9.00	9.00	1537470	2833833	31.133m	29.467m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28451.D FM102110.M Fri Oct 22 10:50:53 2010 RPT1

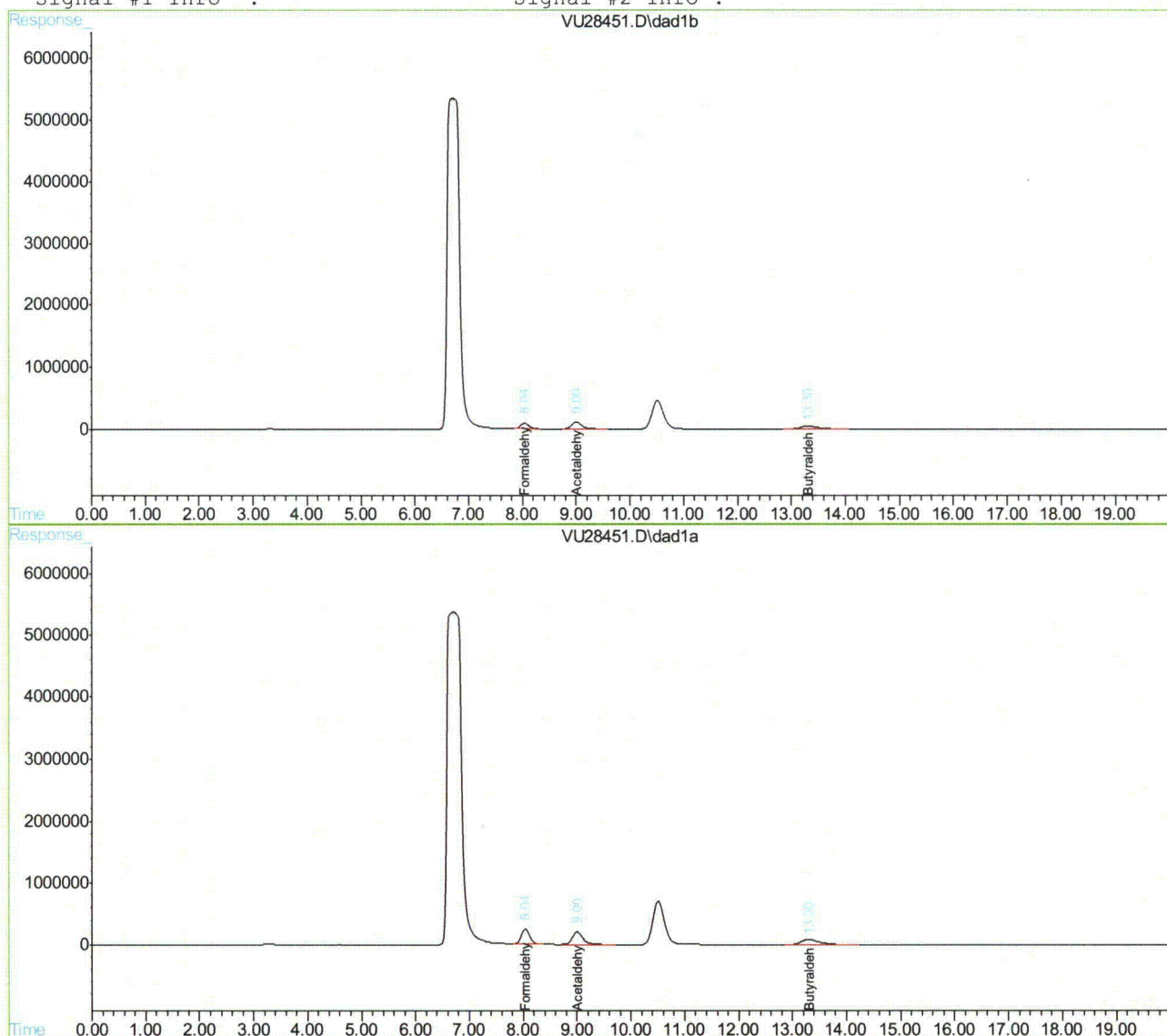
Quantitation Report

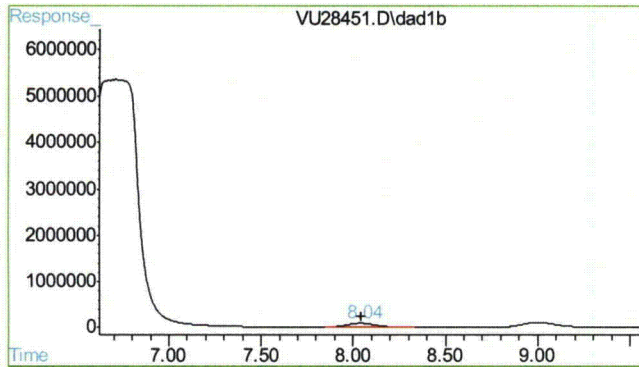
Data File : D:\HPLC2\DATA\102110\VU28451.D\dad1b.ch Vial: 2
Acq On : 21-Oct-2010, 17:11:03 Operator: caobinz
Sample : op22983-bs Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28451.D\dad1a.ch Vial: 2
Acq On : 21-Oct-2010, 17:11:03 Operator: caobinz
Sample : op22983-bs Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 8:51 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

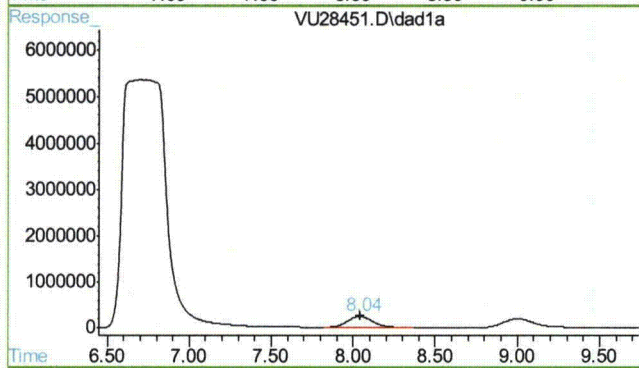
Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase :
Signal #2 Info :





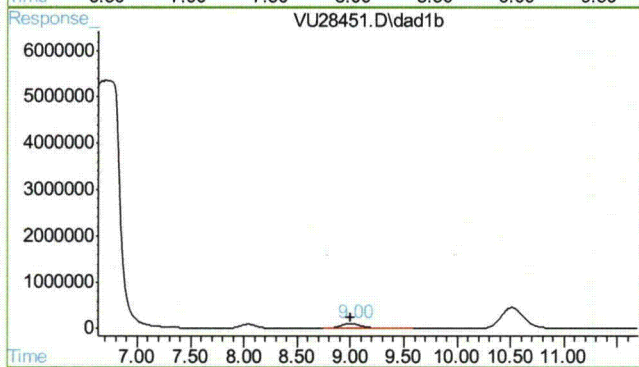
#1 Formaldehyde

R.T.: 8.038 min
Delta R.T.: -0.006 min
Response: 1005053
Conc: 32.98 ppm m



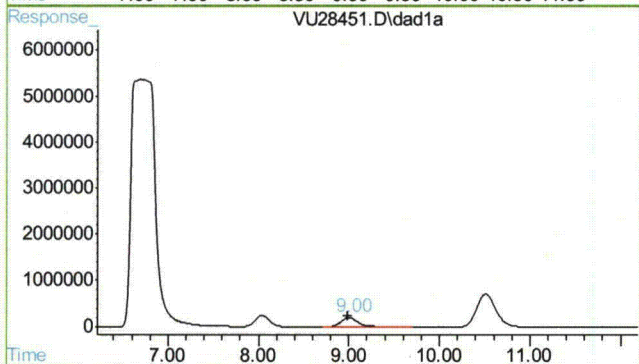
#1 Formaldehyde

R.T.: 8.038 min
Delta R.T.: -0.007 min
Response: 2651114
Conc: 31.50 ppm m



#2 Acetaldehyde

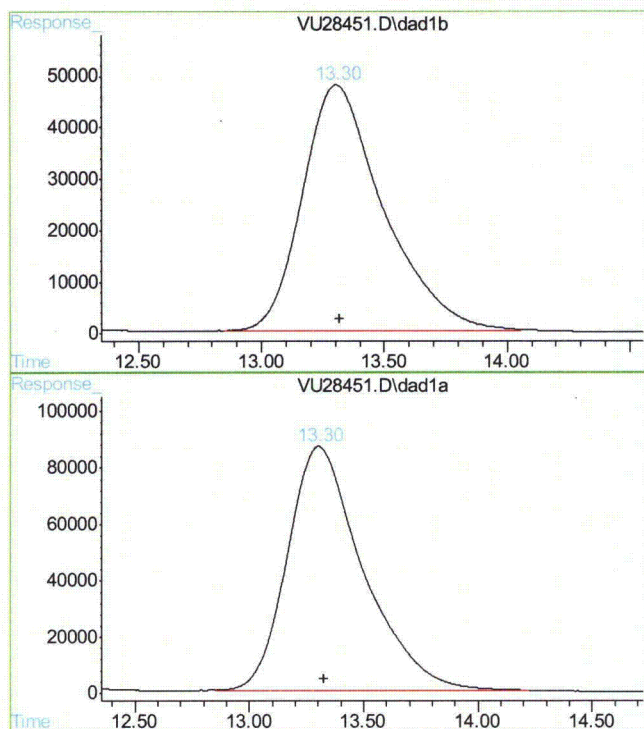
R.T.: 9.000 min
Delta R.T.: -0.004 min
Response: 1537470
Conc: 31.13 ppm m



#2 Acetaldehyde

R.T.: 9.000 min
Delta R.T.: 0.004 min
Response: 2833833
Conc: 29.47 ppm m

17.4.1
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#3 Butyraldehyde

R.T.: 13.303 min
Delta R.T.: -0.016 min
Response: 1093326
Conc: 51.46 ug/ml

#3 Butyraldehyde

R.T.: 13.302 min
Delta R.T.: -0.023 min
Response: 1998135
Conc: 52.16 ug/ml

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28495.D\dad1b.ch Vial: 3
Acq On : 22-Oct-2010, 09:48:29 Operator: caobinz
Sample : op22983-ms,1ul Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28495.D\dad1a.ch Vial: 3
Acq On : 22-Oct-2010, 09:48:29 Operator: caobinz
Sample : op22983-ms,1ul Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 12:06 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.46	13.46	305709	556296	14.232m	14.633m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	28.46% 29.27%
Target Compounds						
1) Formaldehyde	8.08	8.08	2275626	6209622	93.951m	94.734m
2) Acetaldehyde	9.07	9.07	337273	618337	5.596	3.758 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28495.D FM102210.M Sat Oct 23 10:54:10 2010 RPT1

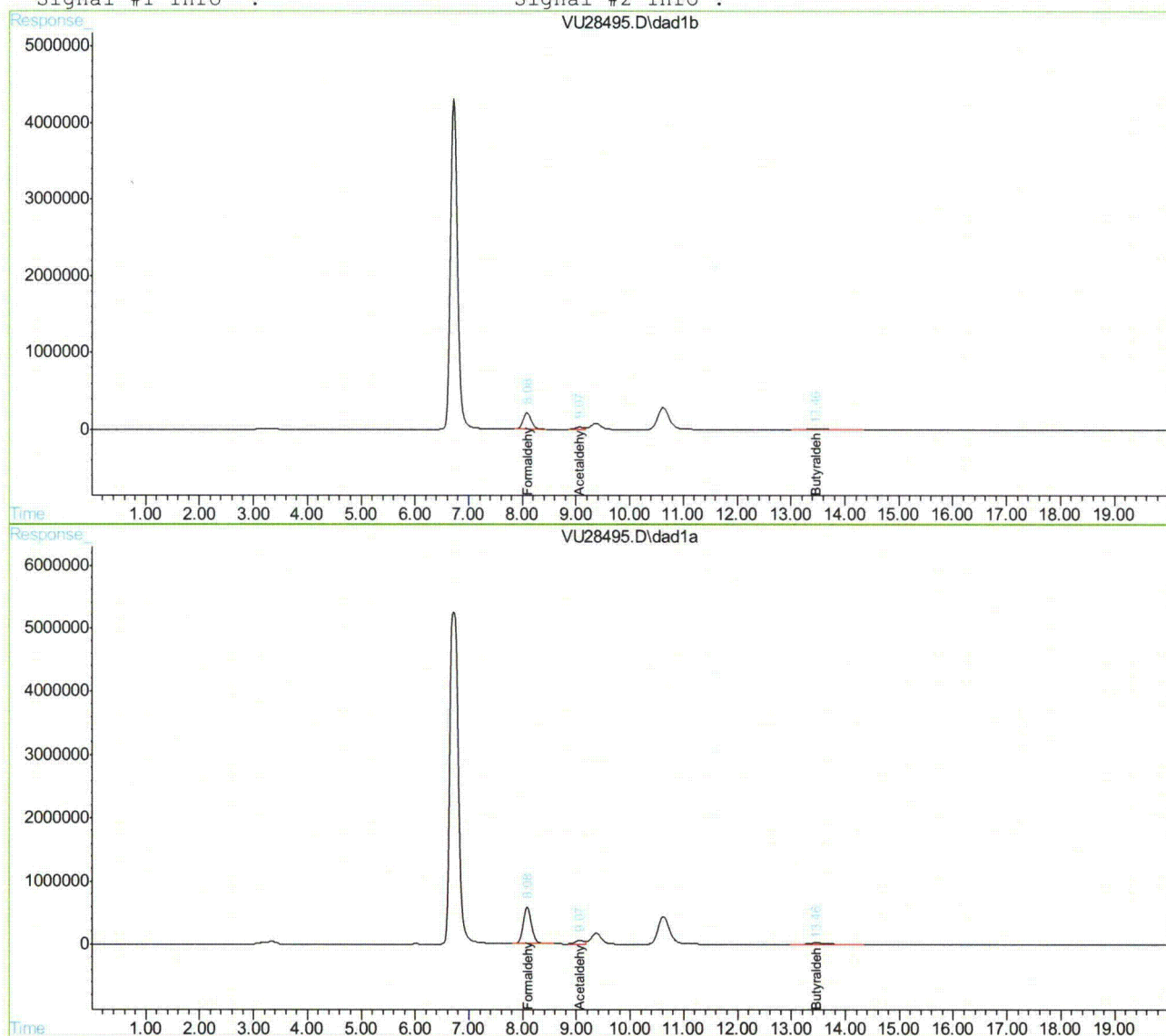
Quantitation Report

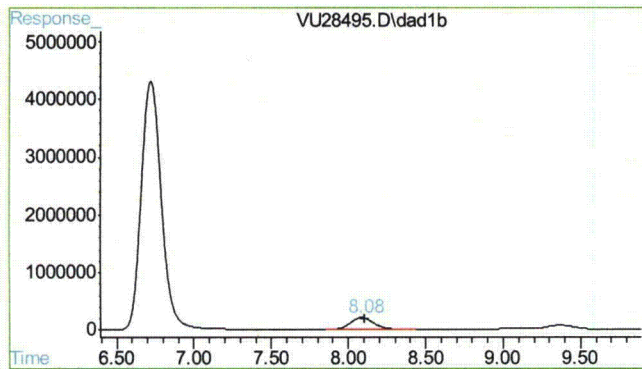
Data File : D:\HPLC2\DATA\102210\VU28495.D\dad1b.ch Vial: 3
Acq On : 22-Oct-2010, 09:48:29 Operator: caobinz
Sample : op22983-ms,1ul Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28495.D\dad1a.ch Vial: 3
Acq On : 22-Oct-2010, 09:48:29 Operator: caobinz
Sample : op22983-ms,1ul Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 12:06 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

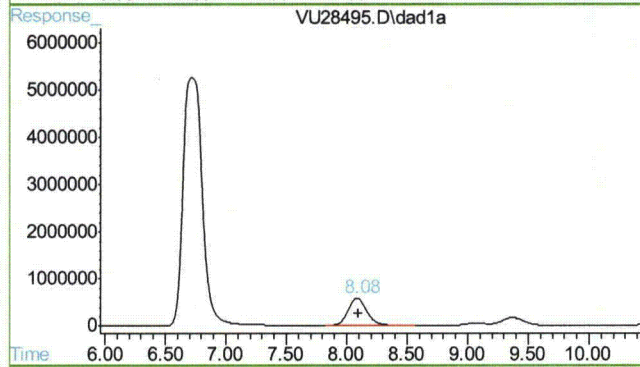
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





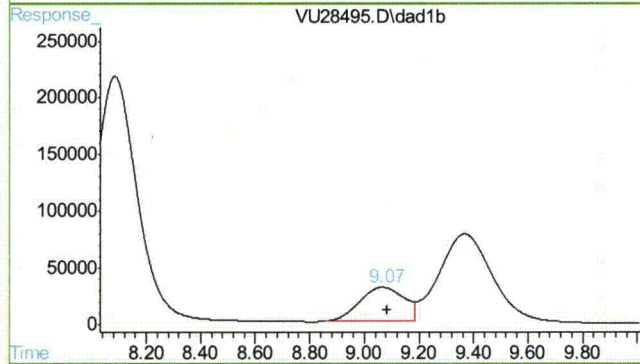
#1 Formaldehyde

R.T.: 8.085 min
Delta R.T.: -0.017 min
Response: 2275626
Conc: 93.95 ppm m



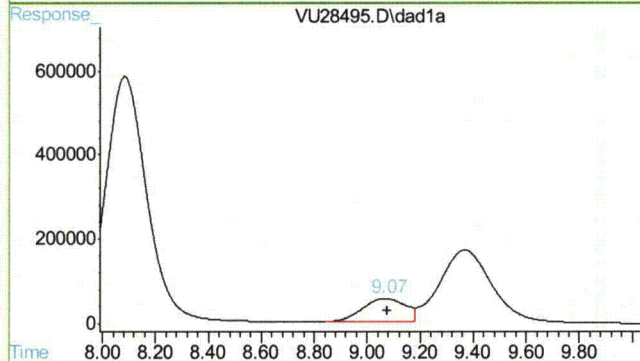
#1 Formaldehyde

R.T.: 8.085 min
Delta R.T.: -0.017 min
Response: 6209622
Conc: 94.73 ppm m



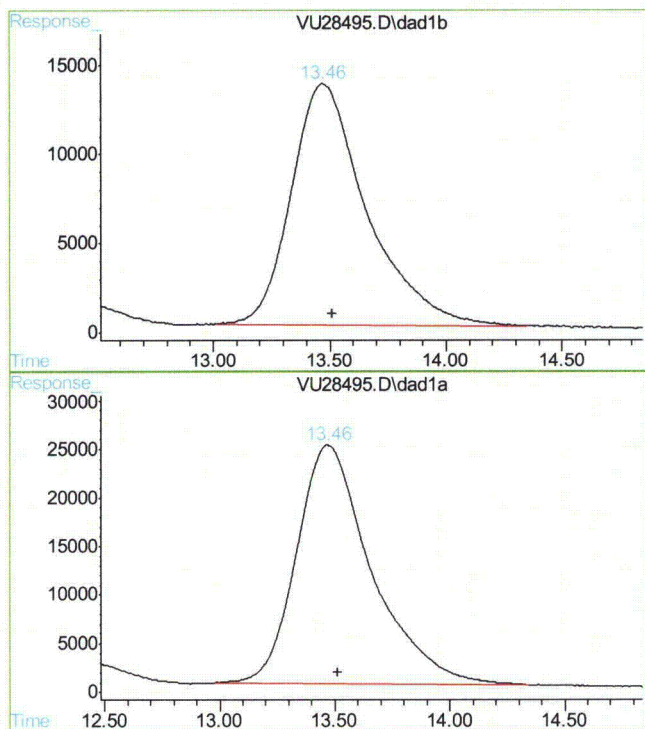
#2 Acetaldehyde

R.T.: 9.066 min
Delta R.T.: -0.019 min
Response: 337273
Conc: 5.60 ppm m



#2 Acetaldehyde

R.T.: 9.066 min
Delta R.T.: -0.009 min
Response: 618337
Conc: 3.76 ppm m



#3 Butyraldehyde

R.T.: 13.463 min
Delta R.T.: -0.049 min
Response: 305709
Conc: 14.23 ug/ml m

#3 Butyraldehyde

R.T.: 13.464 min
Delta R.T.: -0.047 min
Response: 556296
Conc: 14.63 ug/ml m

17.5.1
17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28496.D\dad1b.ch Vial: 4
 Acq On : 22-Oct-2010, 10:09:25 Operator: caobinz
 Sample : op22983-msd,1ul Inst : G1315A
 Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28496.D\dad1a.ch Vial: 4
 Acq On : 22-Oct-2010, 10:09:25 Operator: caobinz
 Sample : op22983-msd,1ul Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 22 12:08 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.47	13.46	294796	541976	13.763m	14.293m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	27.53% 28.59%
Target Compounds						
1) Formaldehyde	8.08	8.08	2442899	6648549	105.399m	106.238m
2) Acetaldehyde	9.06	9.06	353248	636943	5.910	3.960 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28496.D FM102210.M Sat Oct 23 10:54:16 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28496.D\dad1b.ch
Acq On : 22-Oct-2010, 10:09:25
Sample : op22983-msd,1ul
Misc : op22983,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 4
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28496.D\dad1a.ch
Acq On : 22-Oct-2010, 10:09:25
Sample : op22983-msd,1ul
Misc :
IntFile : rteint2.p

Vial: 4
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 12:08 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

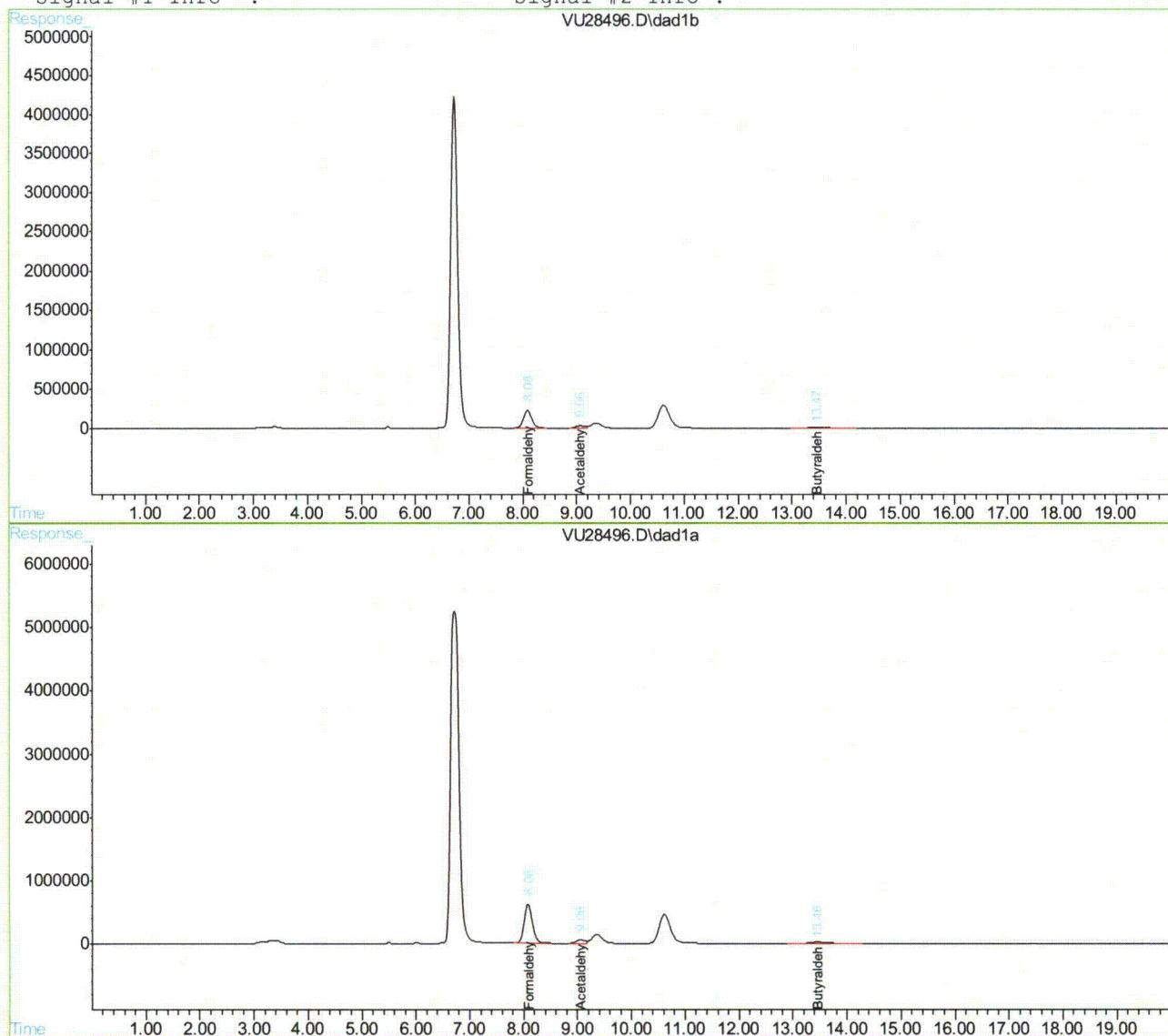
Volume Inj. :

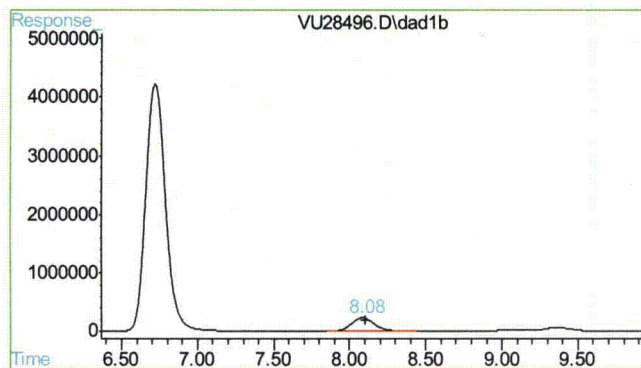
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

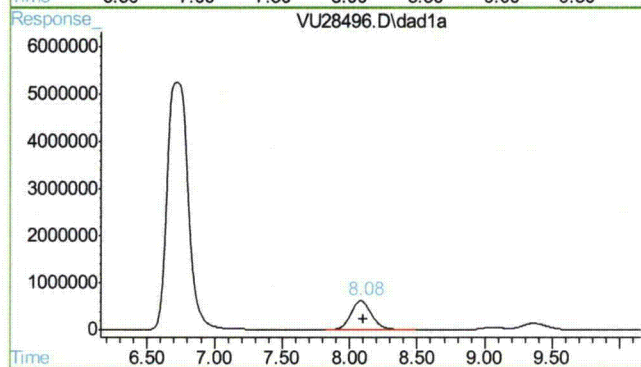
Signal #2 Info :





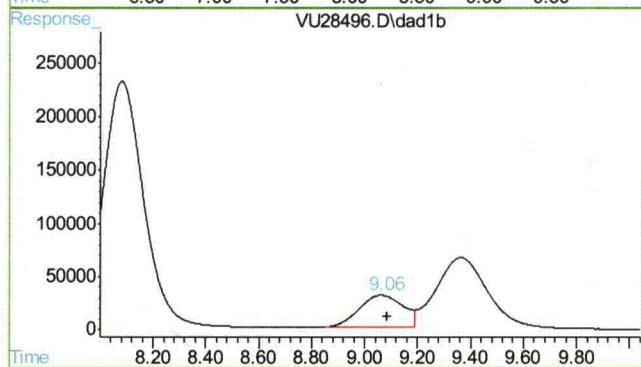
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.019 min
Response: 2442899
Conc: 105.40 ppm m



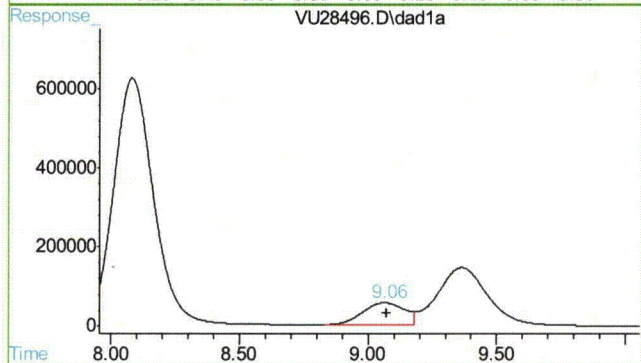
#1 Formaldehyde

R.T.: 8.082 min
Delta R.T.: -0.019 min
Response: 6648549
Conc: 106.24 ppm m



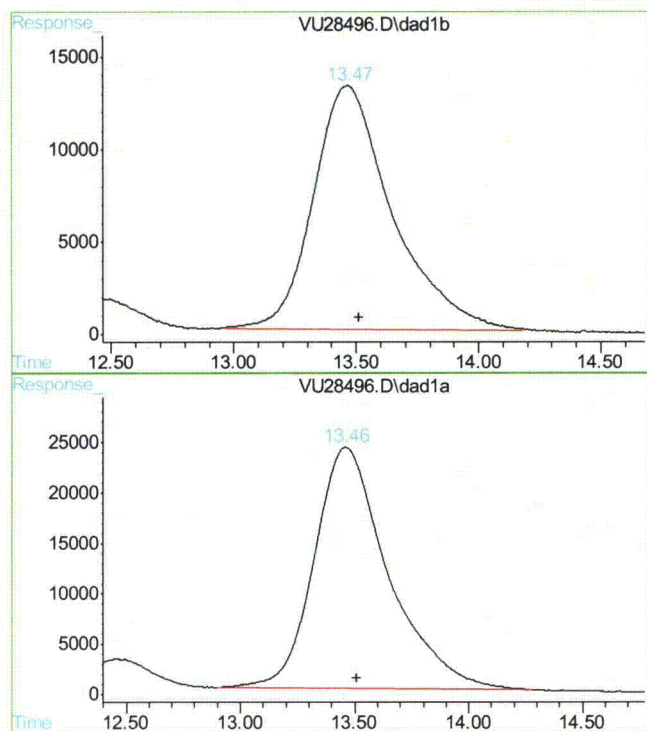
#2 Acetaldehyde

R.T.: 9.064 min
Delta R.T.: -0.021 min
Response: 353248
Conc: 5.91 ppm



#2 Acetaldehyde

R.T.: 9.063 min
Delta R.T.: -0.012 min
Response: 636943
Conc: 3.96 ppm



#3 Butyraldehyde

R.T.: 13.466 min
Delta R.T.: -0.046 min
Response: 294796
Conc: 13.76 ug/ml m

#3 Butyraldehyde

R.T.: 13.458 min
Delta R.T.: -0.054 min
Response: 541976
Conc: 14.29 ug/ml m

John Hamilton
07/08/10 11:09

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27923.D\dad1b.ch Vial: 1
 Acq On : 06-Jul-2010, 15:01:17 Operator: caobinz
 Sample : ic1253-100,form 100 Inst : G1315A
 Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
 IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27923.D\dad1a.ch Vial: 1
 Acq On : 06-Jul-2010, 15:01:17 Operator: sonal
 Sample : form 100 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Jul 7 9:18 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
 Title : LC8315FORM/032310/ic1209/op20876
 Last Update : Tue Jun 29 17:17:07 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.10	13.10	1878978	3420222	99.280m	99.884m
Spiked Amount	50.000	Range	20 - 115	Recovery	= 198.56%#	199.77%#
Target Compounds						
1) Formaldehyde	7.97	7.97	2359089	6395037	106.386	101.992
2) Acetaldehyde	8.91	8.91	3730143	7267805	89.512	97.012

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU27923.D FM070610.M Wed Jul 07 09:42:27 2010 RPT1

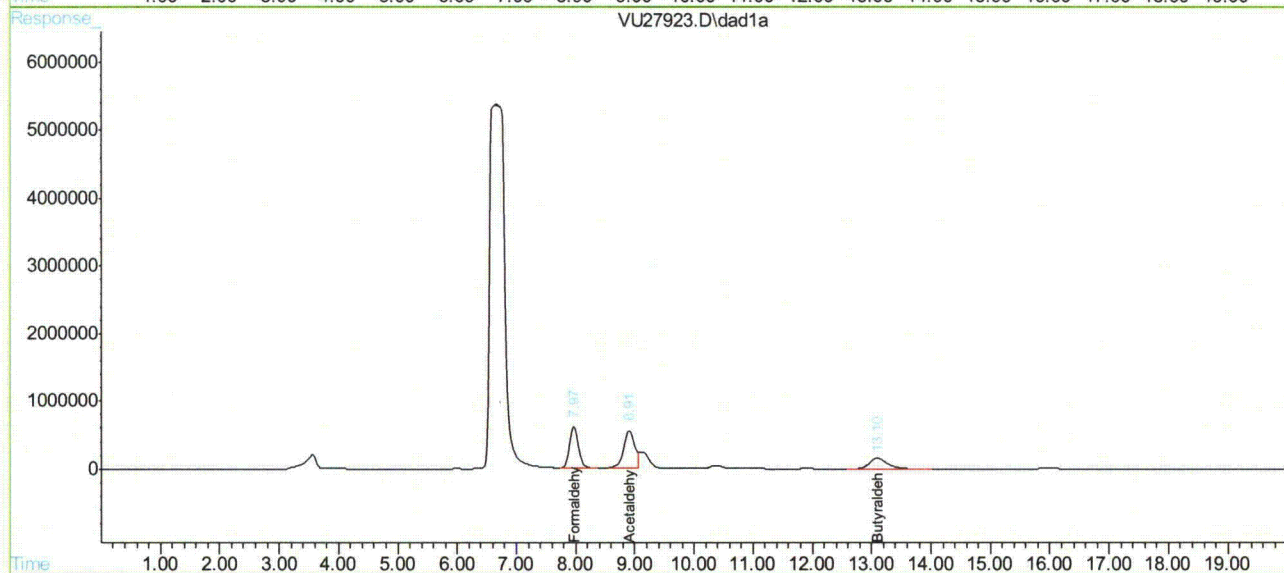
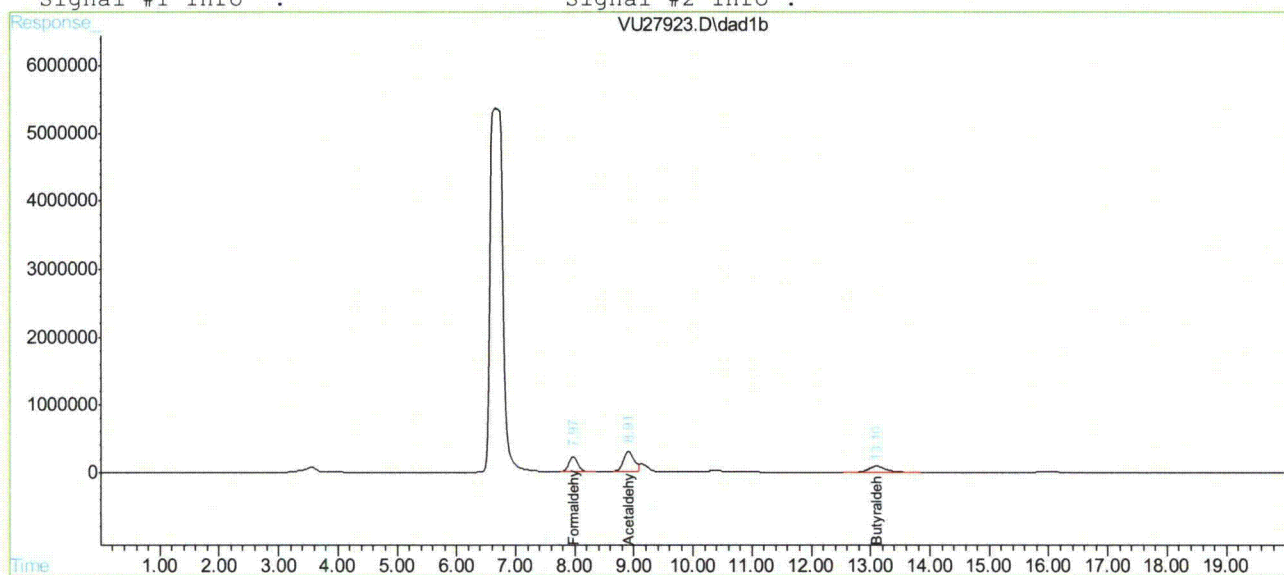
Quantitation Report

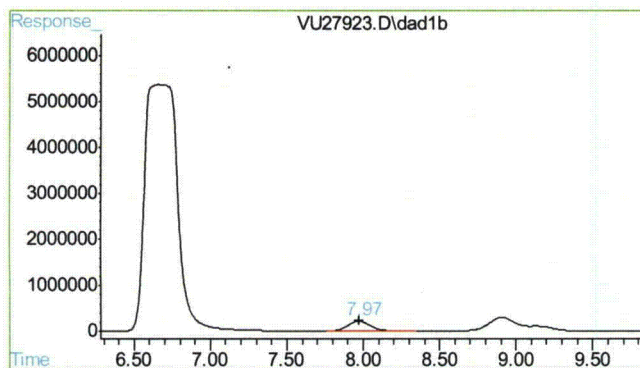
Data File : K:\HPLC2\DATA\070610\VU27923.D\dad1b.ch Vial: 1
Acq On : 06-Jul-2010, 15:01:17 Operator: caobinz
Sample : ic1253-100, form 100 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27923.D\dad1a.ch Vial: 1
Acq On : 06-Jul-2010, 15:01:17 Operator: sonal
Sample : form 100 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:18 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Tue Jun 29 17:17:07 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

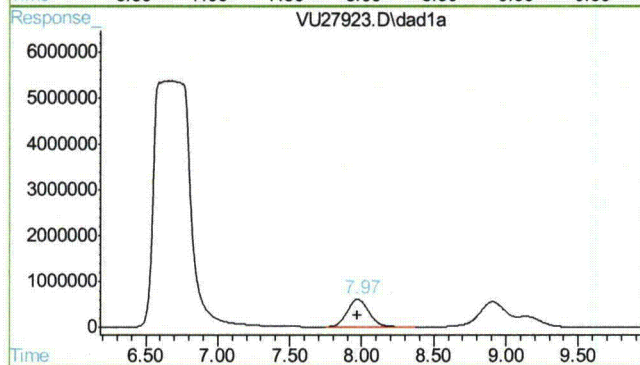
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





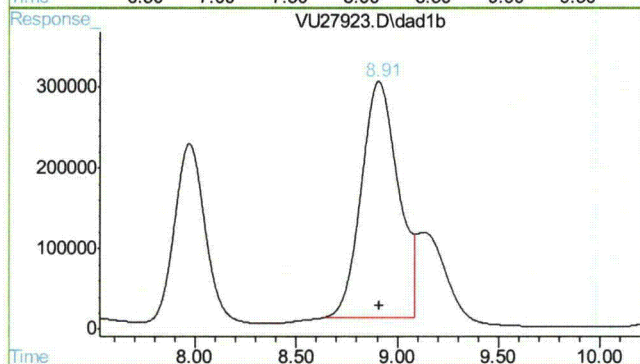
#1 Formaldehyde

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 2359089
Conc: 106.39 ppm



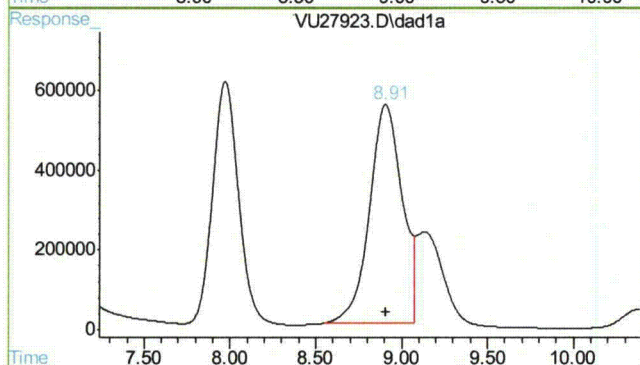
#1 Formaldehyde

R.T.: 7.971 min
Delta R.T.: 0.000 min
Response: 6395037
Conc: 101.99 ppm



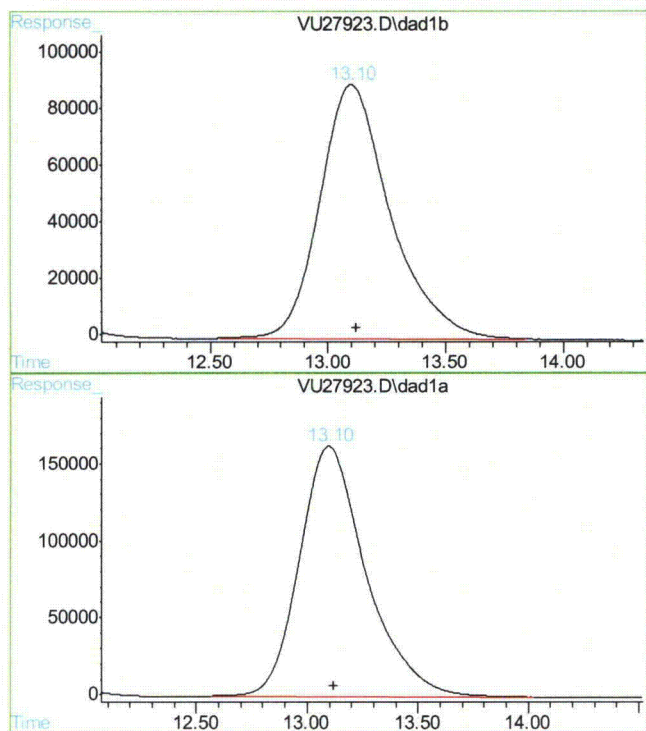
#2 Acetaldehyde

R.T.: 8.906 min
Delta R.T.: -0.005 min
Response: 3730143
Conc: 89.51 ppm



#2 Acetaldehyde

R.T.: 8.906 min
Delta R.T.: -0.005 min
Response: 7267805
Conc: 97.01 ppm



#3 Butyraldehyde

R.T.: 13.096 min
Delta R.T.: -0.026 min
Response: 1878978
Conc: 99.28 ug/ml m

#3 Butyraldehyde

R.T.: 13.096 min
Delta R.T.: -0.026 min
Response: 3420222
Conc: 99.88 ug/ml m

17.6.1

17

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27924.D\dad1b.ch Vial: 2
 Acq On : 06-Jul-2010, 15:22:12 Operator: caobinz
 Sample : icc1253-50,form 50 Inst : G1315A
 Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
 IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27924.D\dad1a.ch Vial: 2
 Acq On : 06-Jul-2010, 15:22:12 Operator: sonal
 Sample : form 50 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Jul 7 9:21 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
 Title : LC8315FORM/032310/ic1209/op20876
 Last Update : Wed Jul 07 09:19:45 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.11	13.11	1131974	2040851	54.320m	53.892m
Spiked Amount	50.000	Range	20 - 115	Recovery	= 108.64%	107.78%
Target Compounds						
1) Formaldehyde	7.98	7.98	1466202	4020054	54.905m	54.055m
2) Acetaldehyde	8.91	8.91	2407860	4582061	48.380m	46.580m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU27924.D FM070610.M Wed Jul 07 09:42:31 2010 RPT1

Quantitation Report

Data File : K:\HPLC2\DATA\070610\VU27924.D\dad1b.ch
Acq On : 06-Jul-2010, 15:22:12
Sample : icc1253-50, form 50
Misc : op21785,gvu1253,25,,,1,,soil
IntFile : rteint.p

Vial: 2
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : K:\HPLC2\DATA\070610\VU27924.D\dad1a.ch
Acq On : 06-Jul-2010, 15:22:12
Sample : form 50
Misc :
IntFile : rteint2.p

Vial: 2
Operator: sonal
Inst : G1315A
Multiplr: 1.00

Quant Time: Jul 7 9:21 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:19:45 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

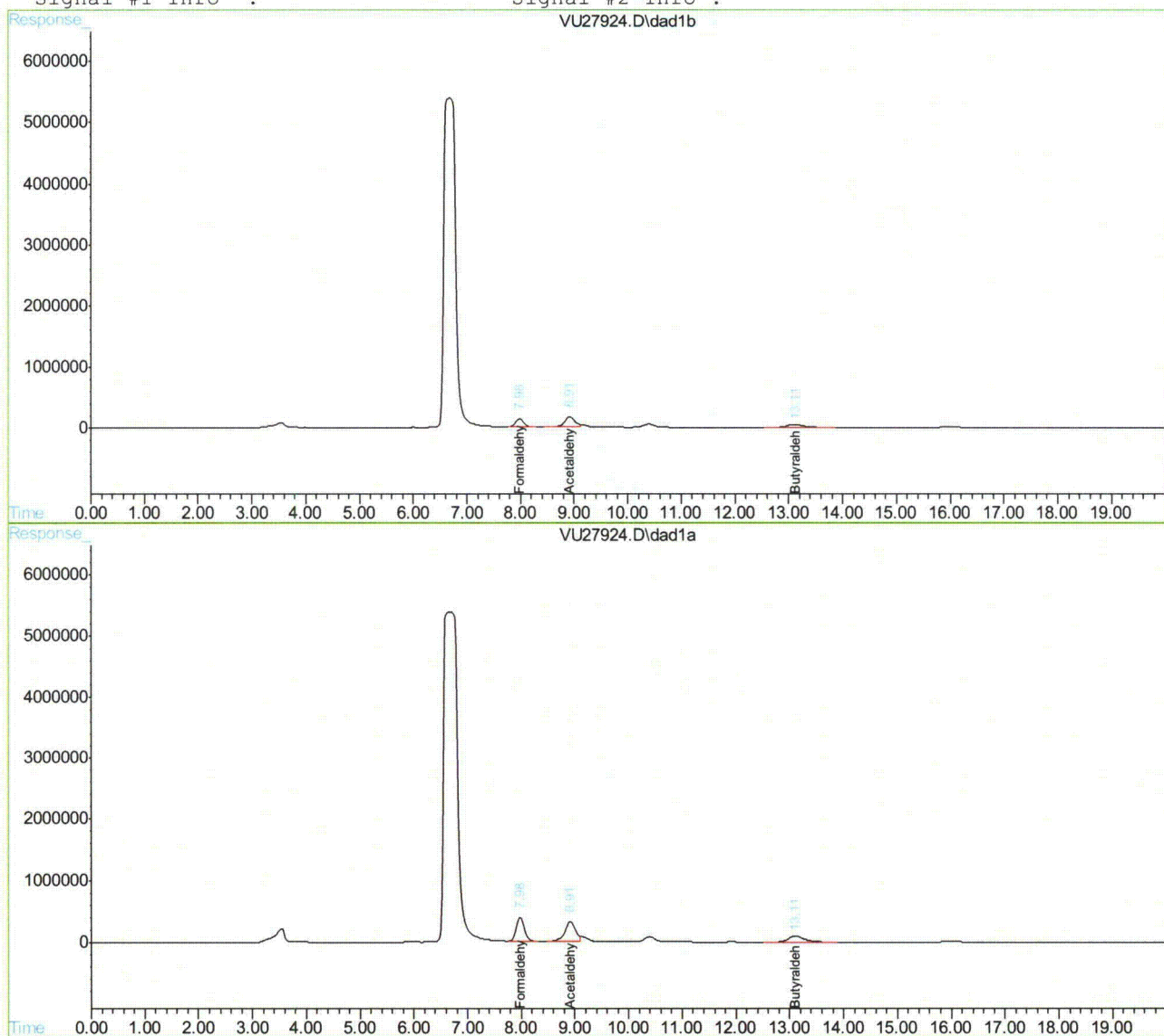
Volume Inj. :

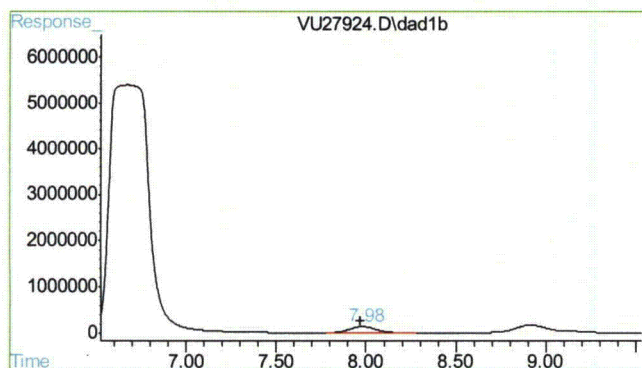
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

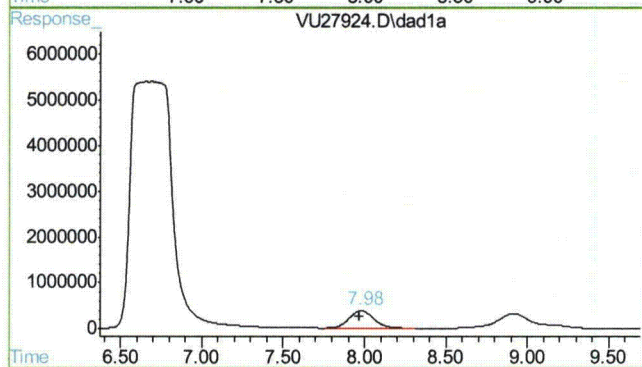
Signal #2 Info :





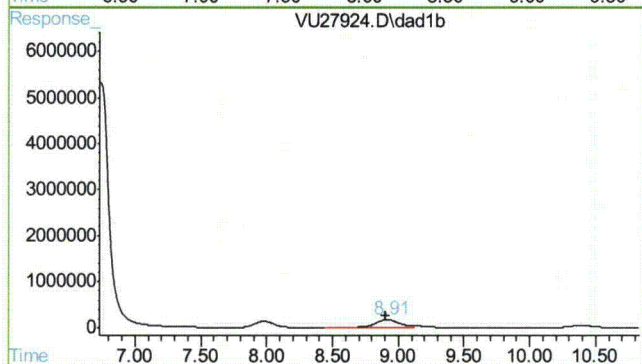
#1 Formaldehyde

R.T.: 7.978 min
Delta R.T.: 0.007 min
Response: 1466202
Conc: 54.91 ppm m



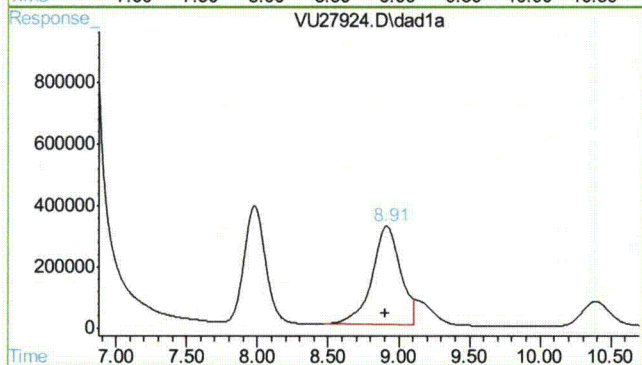
#1 Formaldehyde

R.T.: 7.978 min
Delta R.T.: 0.007 min
Response: 4020054
Conc: 54.06 ppm m



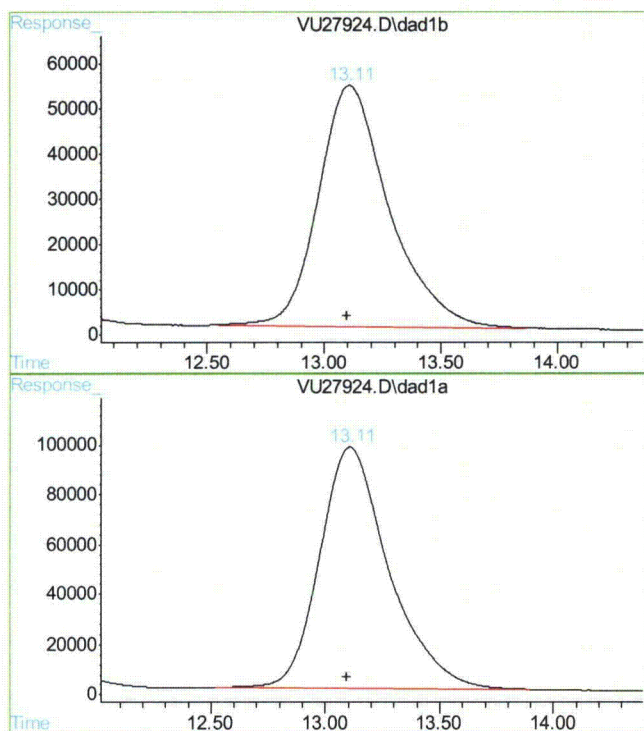
#2 Acetaldehyde

R.T.: 8.915 min
Delta R.T.: 0.009 min
Response: 2407860
Conc: 48.38 ppm m



#2 Acetaldehyde

R.T.: 8.913 min
Delta R.T.: 0.007 min
Response: 4582061
Conc: 46.58 ppm m



#3 Butyraldehyde

R.T.: 13.108 min
Delta R.T.: 0.012 min
Response: 1131974
Conc: 54.32 ug/ml m

#3 Butyraldehyde

R.T.: 13.107 min
Delta R.T.: 0.010 min
Response: 2040851
Conc: 53.89 ug/ml m

17.6.2

17

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27925.D\dad1b.ch Vial: 3
 Acq On : 06-Jul-2010, 15:43:11 Operator: caobinz
 Sample : ic1253-20, form 20 Inst : G1315A
 Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
 IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27925.D\dad1a.ch Vial: 3
 Acq On : 06-Jul-2010, 15:43:11 Operator: sonal
 Sample : form 20 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p
 Quant Time: Jul 7 9:23 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
 Title : LC8315FORM/032310/ic1209/op20876
 Last Update : Wed Jul 07 09:21:43 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.10	13.10	336985	604417	15.826m	15.950m
Spiked Amount	50.000	Range	20 - 115	Recovery	=	31.65% 31.90%
Target Compounds						
1) Formaldehyde	7.97	7.97	582867	1589578	18.083m	17.508m
2) Acetaldehyde	8.90	8.90	838277	1687066	15.475m	14.937m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU27925.D FM070610.M Wed Jul 07 09:42:37 2010 RPT1

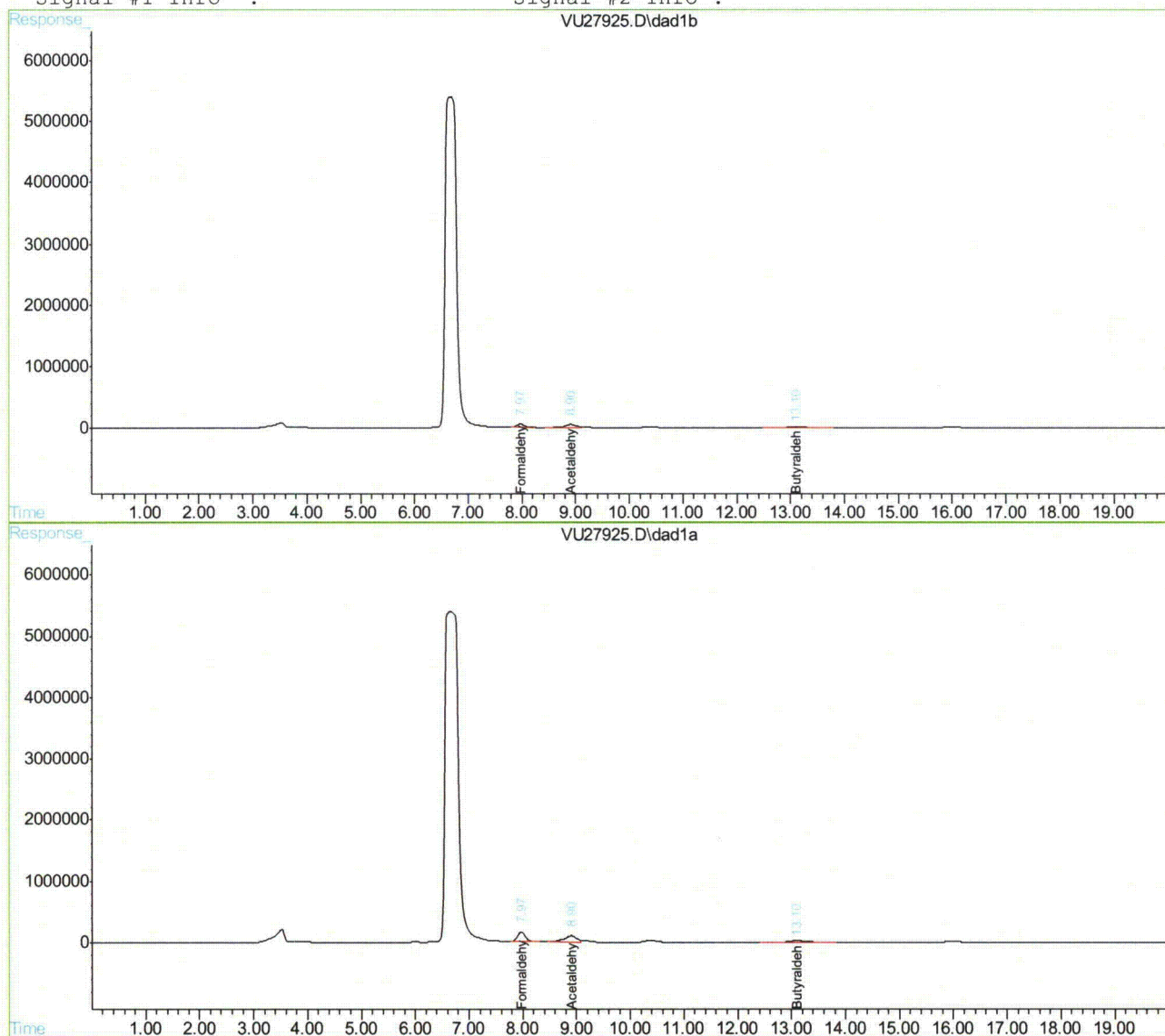
Quantitation Report

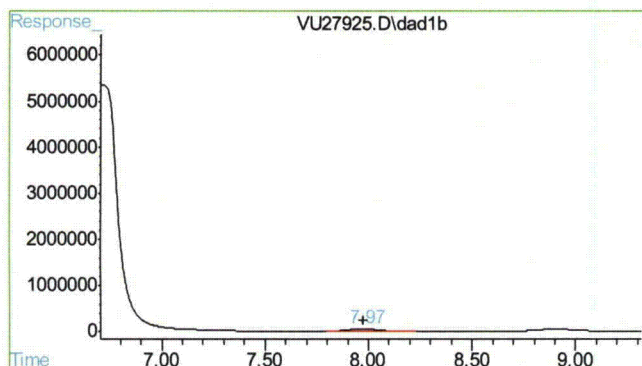
Data File : K:\HPLC2\DATA\070610\VU27925.D\dad1b.ch Vial: 3
Acq On : 06-Jul-2010, 15:43:11 Operator: caobinz
Sample : ic1253-20, form 20 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27925.D\dad1a.ch Vial: 3
Acq On : 06-Jul-2010, 15:43:11 Operator: sonal
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:23 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:21:43 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

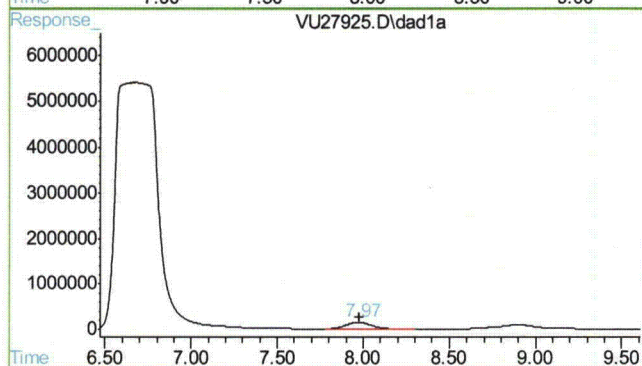
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





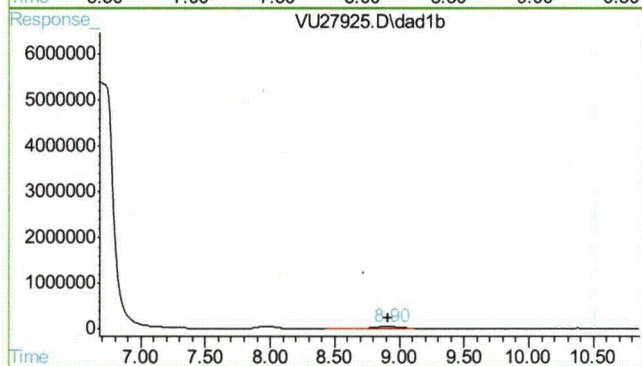
#1 Formaldehyde

R.T.: 7.971 min
Delta R.T.: -0.007 min
Response: 582867
Conc: 18.08 ppm m



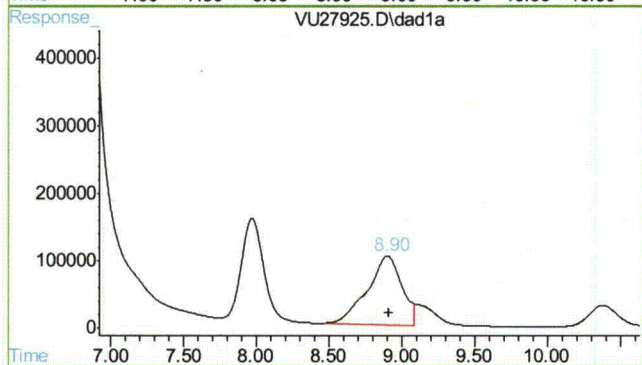
#1 Formaldehyde

R.T.: 7.970 min
Delta R.T.: -0.009 min
Response: 1589578
Conc: 17.51 ppm m



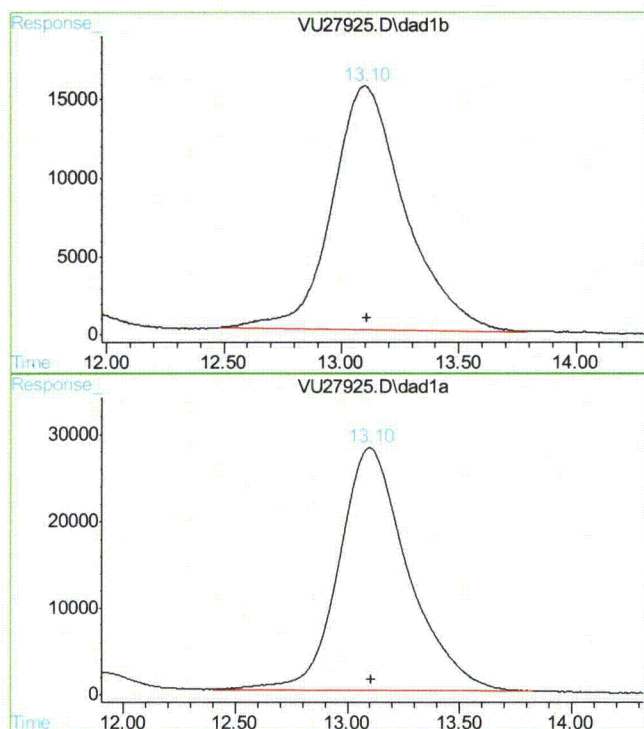
#2 Acetaldehyde

R.T.: 8.903 min
Delta R.T.: -0.012 min
Response: 838277
Conc: 15.47 ppm m



#2 Acetaldehyde

R.T.: 8.898 min
Delta R.T.: -0.016 min
Response: 1687066
Conc: 14.94 ppm m



#3 Butyraldehyde

R.T.: 13.096 min
Delta R.T.: -0.012 min
Response: 336985
Conc: 15.83 ug/ml m

#3 Butyraldehyde

R.T.: 13.096 min
Delta R.T.: -0.011 min
Response: 604417
Conc: 15.95 ug/ml m

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27926.D\dad1b.ch Vial: 4
 Acq On : 06-Jul-2010, 16:04:07 Operator: caobinz
 Sample : ic1253-10,form 10 Inst : G1315A
 Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
 IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27926.D\dad1a.ch Vial: 4
 Acq On : 06-Jul-2010, 16:04:07 Operator: sonal
 Sample : form 10 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Jul 7 9:25 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
 Title : LC8315FORM/032310/ic1209/op20876
 Last Update : Wed Jul 07 09:23:52 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.11	13.11	186742	316014	9.498m	9.278m
Spiked Amount	50.000	Range	20 - 115	Recovery	=	19.00%# 18.56%#
Target Compounds						
1) Formaldehyde	7.98	7.98	352338	973839	9.825m	9.767m
2) Acetaldehyde	8.91	8.90	563038	1200404	10.236m	10.005m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU27926.D FM070610.M Wed Jul 07 09:42:44 2010 RPT1

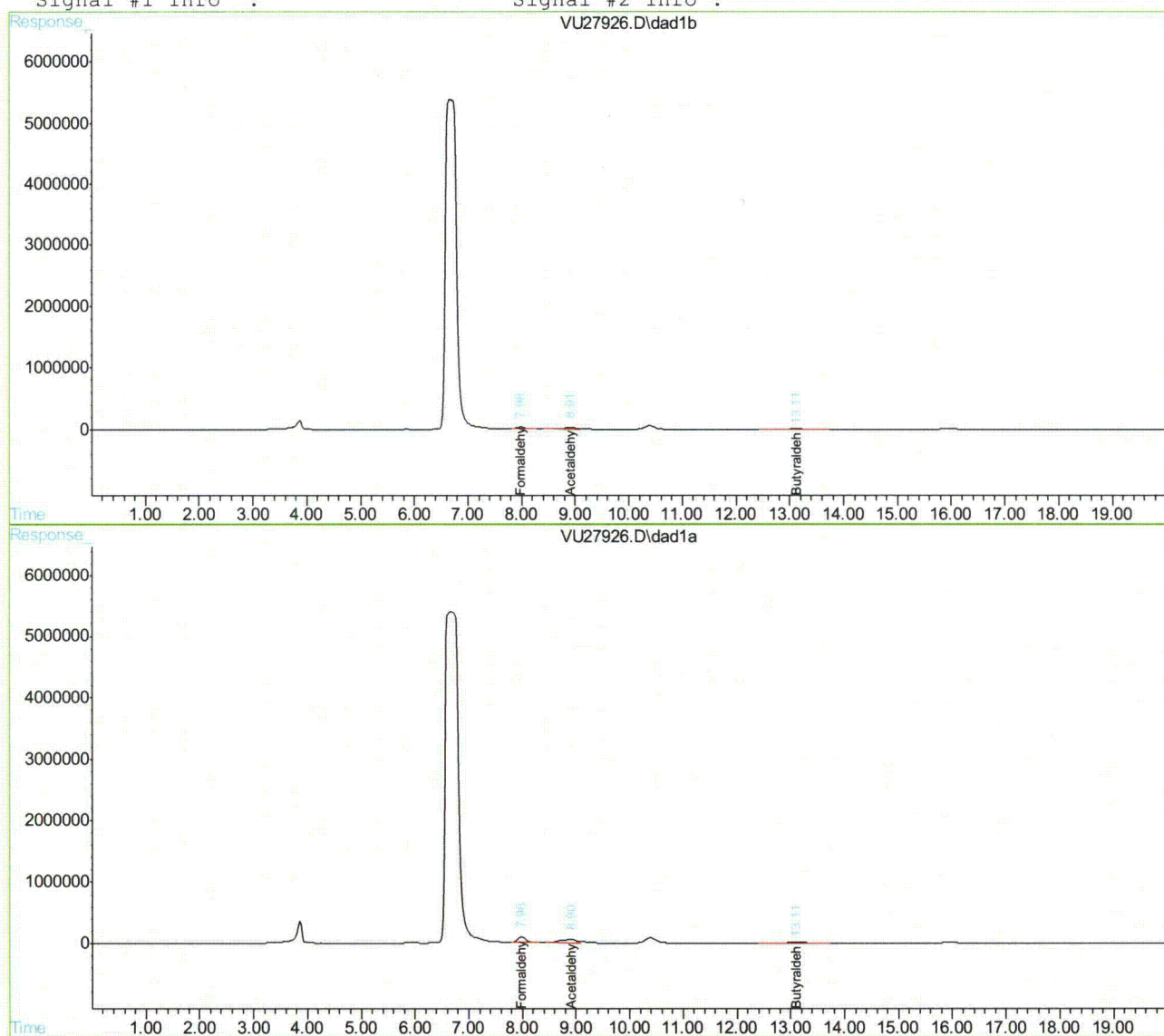
Quantitation Report

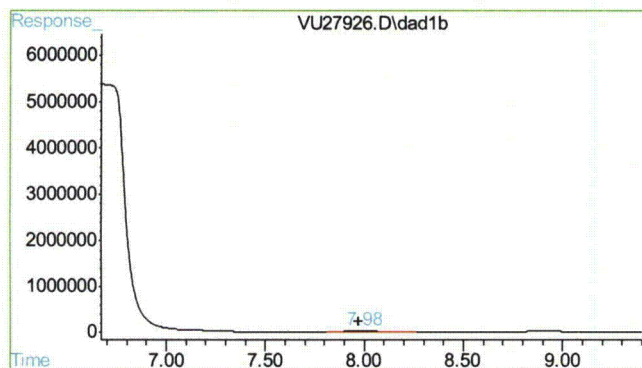
Data File : K:\HPLC2\DATA\070610\VU27926.D\dad1b.ch Vial: 4
Acq On : 06-Jul-2010, 16:04:07 Operator: caobinz
Sample : ic1253-10, form 10 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27926.D\dad1a.ch Vial: 4
Acq On : 06-Jul-2010, 16:04:07 Operator: sonal
Sample : form 10 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:25 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:23:52 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

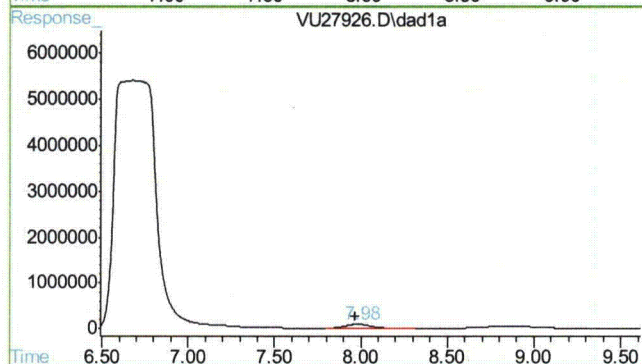
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





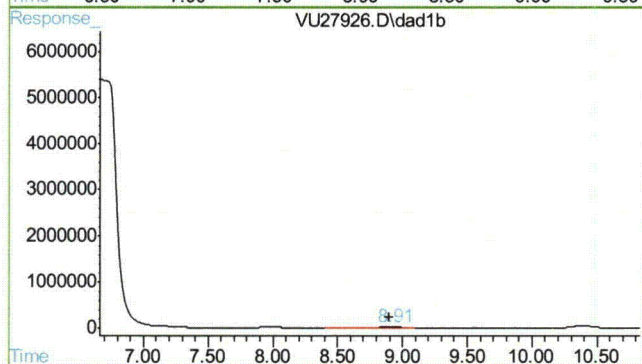
#1 Formaldehyde

R.T.: 7.979 min
Delta R.T.: 0.008 min
Response: 352338
Conc: 9.83 ppm m



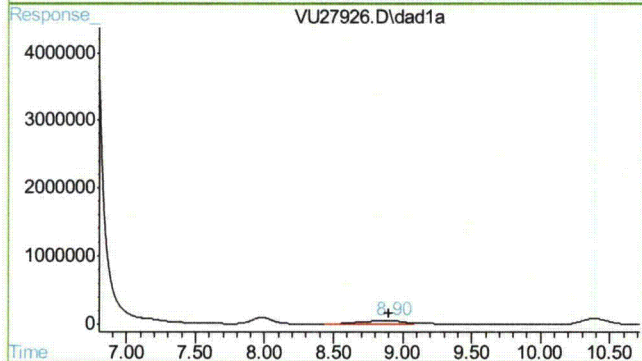
#1 Formaldehyde

R.T.: 7.979 min
Delta R.T.: 0.010 min
Response: 973839
Conc: 9.77 ppm m



#2 Acetaldehyde

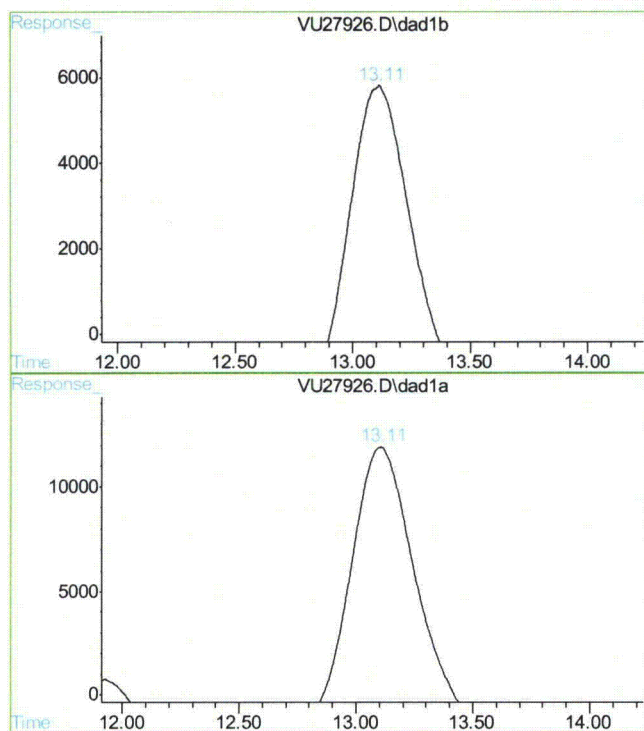
R.T.: 8.908 min
Delta R.T.: 0.005 min
Response: 563038
Conc: 10.24 ppm m



#2 Acetaldehyde

R.T.: 8.899 min
Delta R.T.: 0.002 min
Response: 1200404
Conc: 10.01 ppm m

17.6.4 17



#3 Butyraldehyde

R.T.: 13.111 min
Delta R.T.: 0.015 min
Response: 186742
Conc: 9.50 ug/ml m

#3 Butyraldehyde

R.T.: 13.108 min
Delta R.T.: 0.012 min
Response: 316014
Conc: 9.28 ug/ml m

17.6.4

17

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27927.D\dad1b.ch Vial: 5
Acq On : 06-Jul-2010, 16:25:02 Operator: caobinz
Sample : ic1253-5,form 5 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27927.D\dad1a.ch Vial: 5
Acq On : 06-Jul-2010, 16:25:02 Operator: sonal
Sample : form 5 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Jul 7 9:26 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:25:18 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.12	13.11	102234	171864	6.172m	6.080m
Spiked Amount	50.000	Range	20 - 115	Recovery	= 12.34%#	12.16%#
Target Compounds						
1) Formaldehyde	7.99	7.99	230974	640797	5.650m	5.701m
2) Acetaldehyde	8.91	8.76f	358110	856551	6.127m	6.342m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU27927.D FM070610.M Wed Jul 07 09:42:52 2010 RPT1

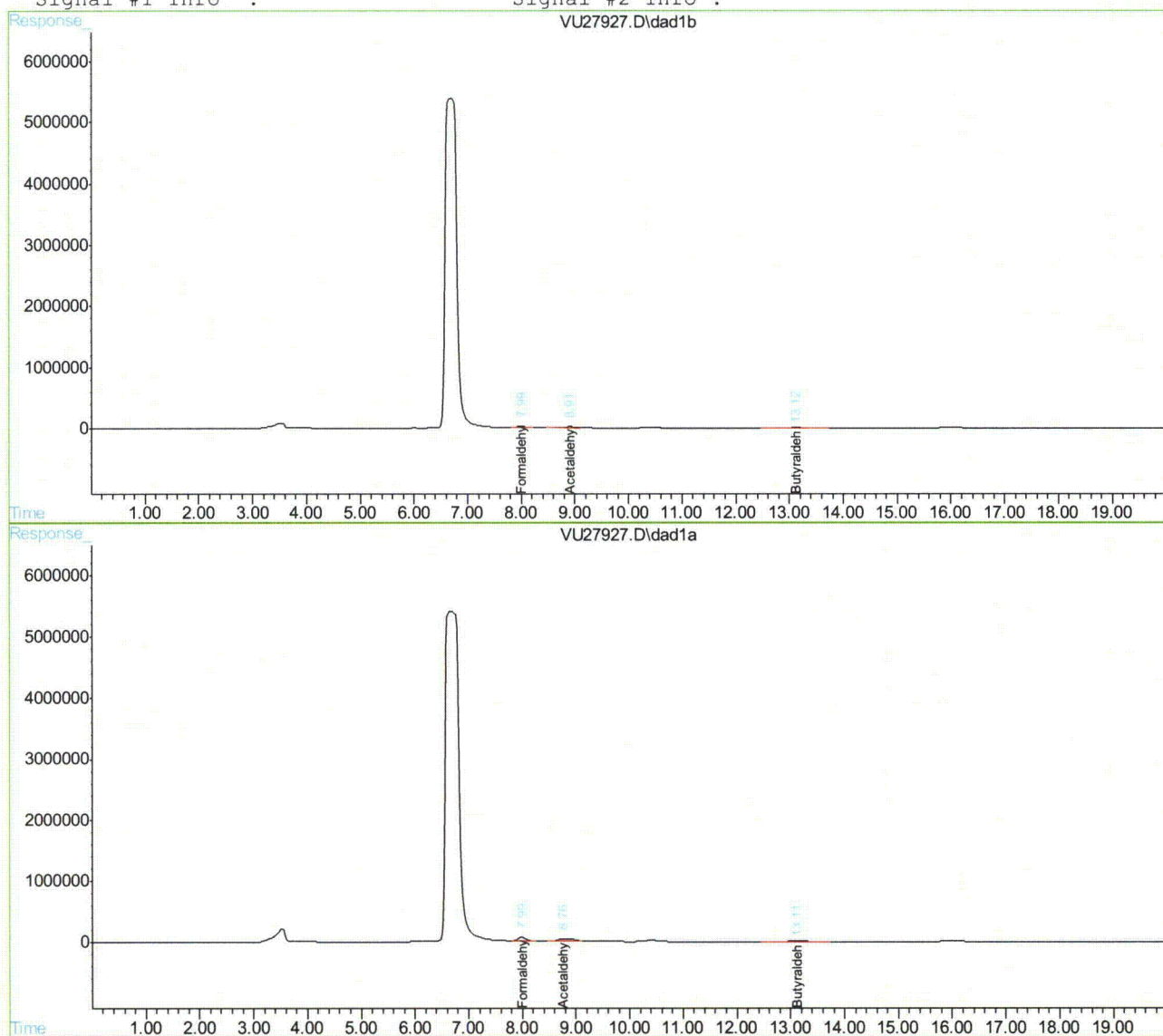
Quantitation Report

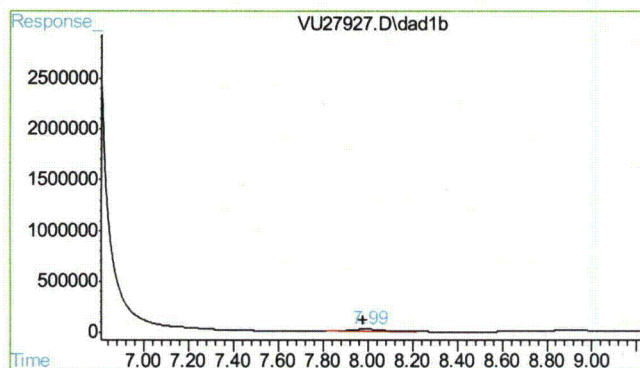
Data File : K:\HPLC2\DATA\070610\VU27927.D\dad1b.ch Vial: 5
Acq On : 06-Jul-2010, 16:25:02 Operator: caobinz
Sample : ic1253-5, form 5 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27927.D\dad1a.ch Vial: 5
Acq On : 06-Jul-2010, 16:25:02 Operator: sonal
Sample : form 5 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:26 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:25:18 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

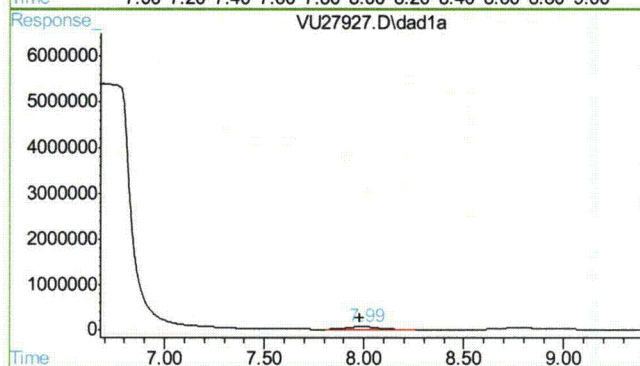
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





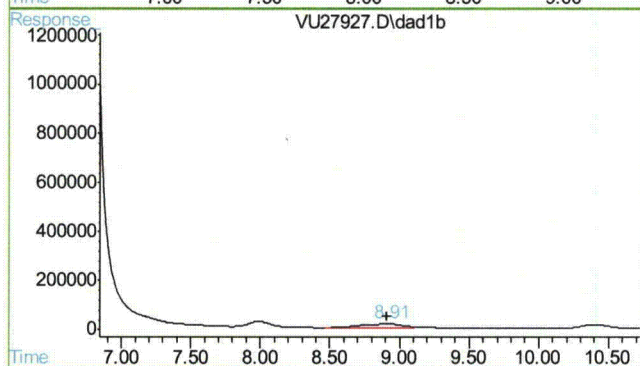
#1 Formaldehyde

R.T.: 7.988 min
Delta R.T.: 0.009 min
Response: 230974
Conc: 5.65 ppm m



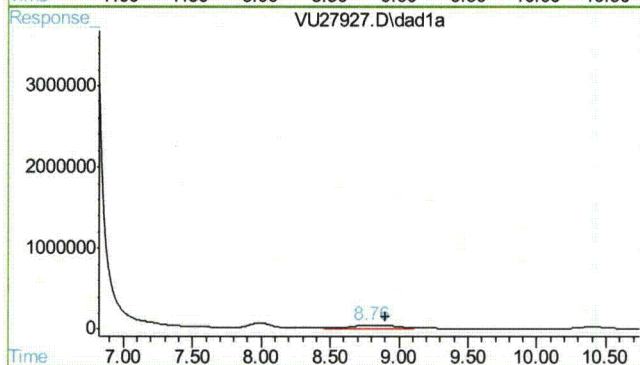
#1 Formaldehyde

R.T.: 7.990 min
Delta R.T.: 0.010 min
Response: 640797
Conc: 5.70 ppm m



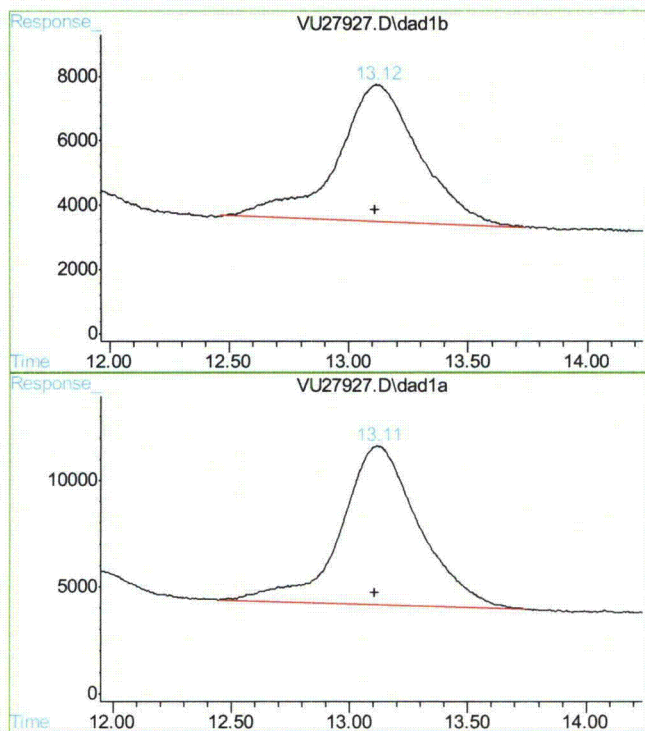
#2 Acetaldehyde

R.T.: 8.912 min
Delta R.T.: 0.004 min
Response: 358110
Conc: 6.13 ppm m



#2 Acetaldehyde

R.T.: 8.760 min
Delta R.T.: -0.140 min
Response: 856551
Conc: 6.34 ppm m



#3 Butyraldehyde

R.T.: 13.117 min
Delta R.T.: 0.005 min
Response: 102234
Conc: 6.17 ug/ml m

#3 Butyraldehyde

R.T.: 13.113 min
Delta R.T.: 0.005 min
Response: 171864
Conc: 6.08 ug/ml m

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27928.D\dad1b.ch Vial: 6
Acq On : 06-Jul-2010, 16:45:57 Operator: caobinz
Sample : ic1253-1,form 1 Inst : G1315A
Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27928.D\dad1a.ch Vial: 6
Acq On : 06-Jul-2010, 16:45:57 Operator: sonal
Sample : form 1 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:28 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:26:43 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.14	13.15	39940	57771	3.475m	3.407m
Spiked Amount	50.000	Range	20 - 115	Recovery	=	6.95%# 6.81%#
Target Compounds						
1) Formaldehyde	7.98	7.98	103309	311461	1.484m	1.795m
2) Acetaldehyde	8.75f	8.74	150694	423204	2.111m	1.757m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU27928.D FM070610.M Wed Jul 07 09:42:58 2010 RPT1

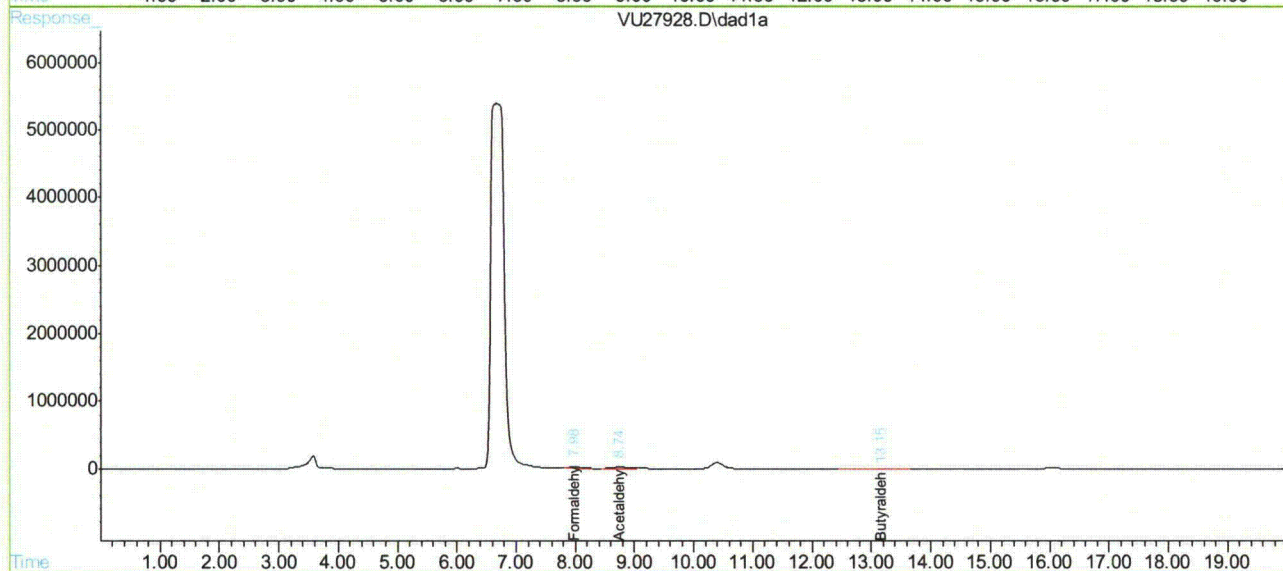
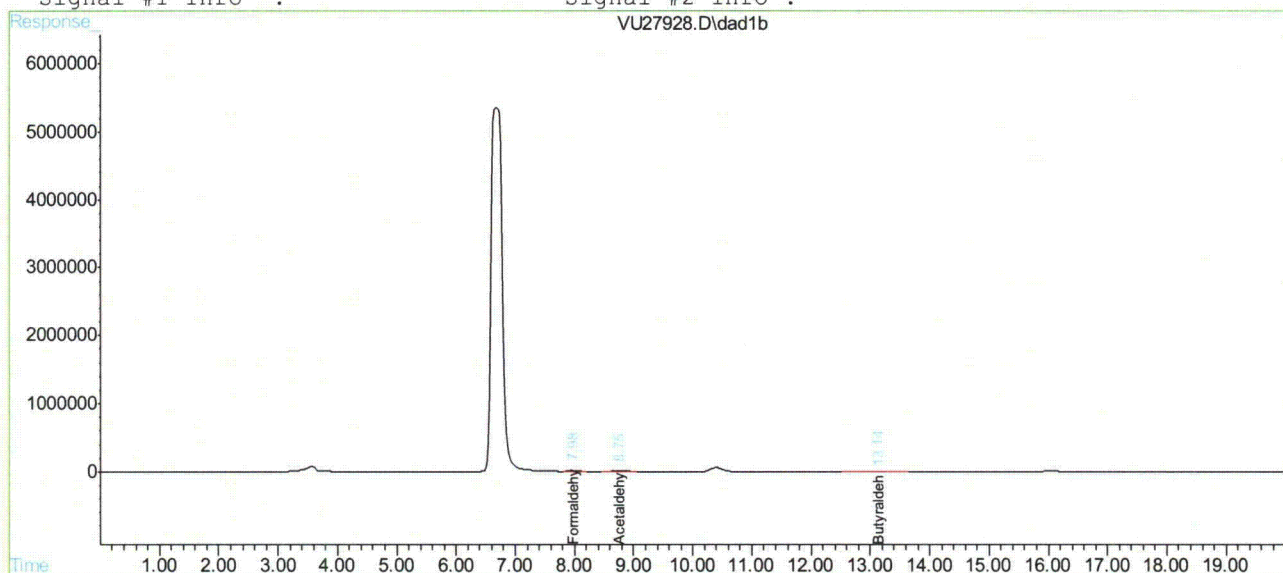
Quantitation Report

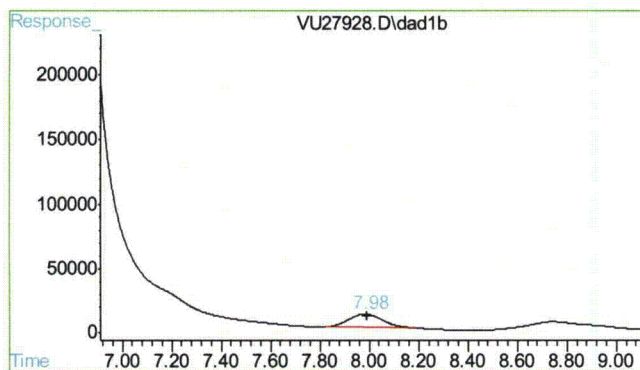
Data File : K:\HPLC2\DATA\070610\VU27928.D\dad1b.ch Vial: 6
Acq On : 06-Jul-2010, 16:45:57 Operator: caobinz
Sample : ic1253-1, form 1 Inst : G1315A
Misc : op21785,gvu1253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27928.D\dad1a.ch Vial: 6
Acq On : 06-Jul-2010, 16:45:57 Operator: sonal
Sample : form 1 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Jul 7 9:28 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:26:43 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

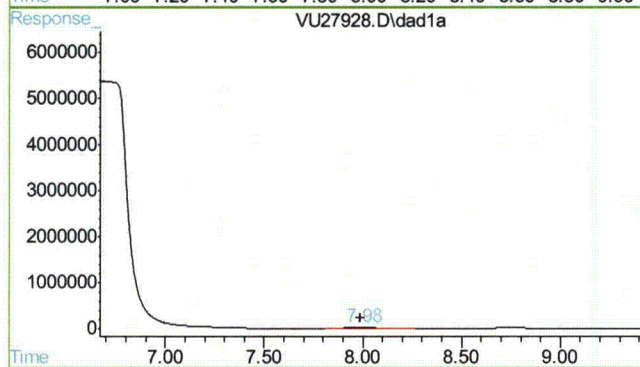
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





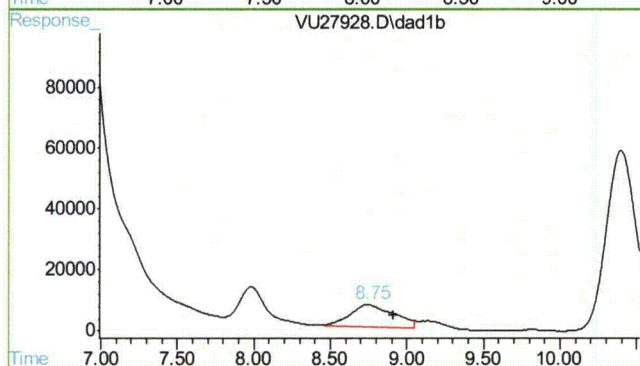
#1 Formaldehyde

R.T.: 7.984 min
Delta R.T.: -0.004 min
Response: 103309
Conc: 1.48 ppm m



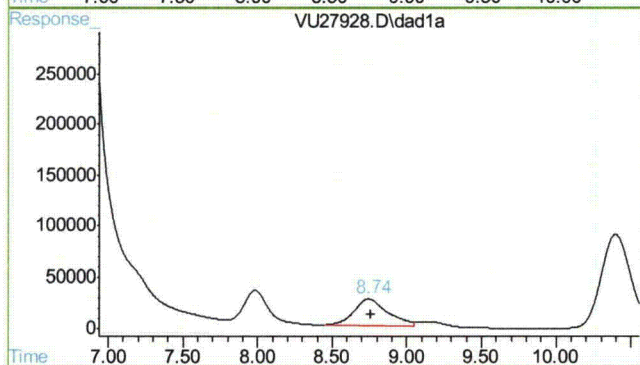
#1 Formaldehyde

R.T.: 7.983 min
Delta R.T.: -0.007 min
Response: 311461
Conc: 1.79 ppm m



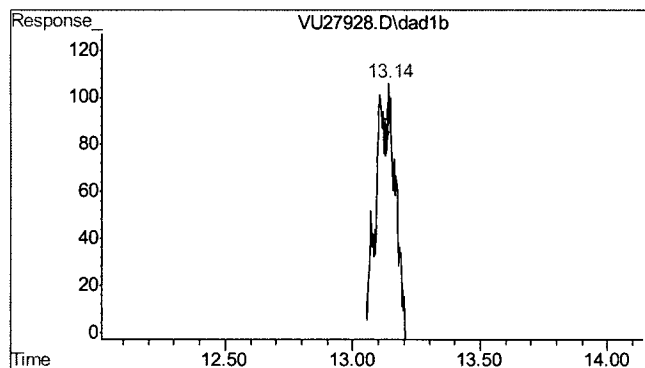
#2 Acetaldehyde

R.T.: 8.748 min
Delta R.T.: -0.164 min
Response: 150694
Conc: 2.11 ppm m



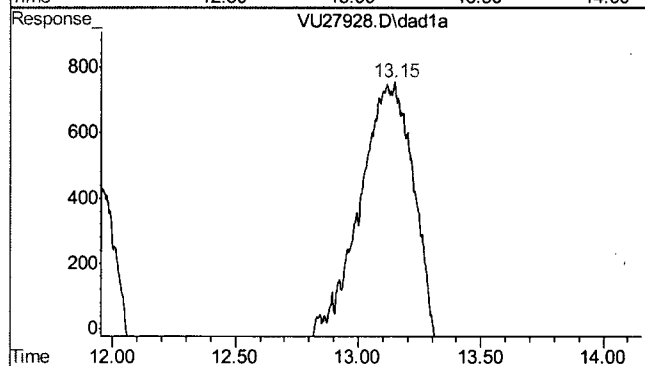
#2 Acetaldehyde

R.T.: 8.744 min
Delta R.T.: -0.015 min
Response: 423204
Conc: 1.76 ppm m



#3 Butyraldehyde

R.T.: 13.139 min
Delta R.T.: 0.023 min
Response: 39940
Conc: 3.47 ug/ml m



#3 Butyraldehyde

R.T.: 13.146 min
Delta R.T.: 0.033 min
Response: 57771
Conc: 3.41 ug/ml m

17.6.6 17

John Hamilton
07/08/10 11:09

Quantitation Report (QT Reviewed)

Data File : K:\HPLC2\DATA\070610\VU27929.D\dad1b.ch Vial: 7
Acq On : 06-Jul-2010, 17:06:55 Operator: caobinz
Sample : icv1253-50,form 50,icv Inst : G1315A
Misc : op21785,gvul253,25,,,1,,soil Multiplr: 1.00
IntFile : rteint.p

Data File : K:\HPLC2\DATA\070610\VU27929.D\dad1a.ch Vial: 7
Acq On : 06-Jul-2010, 17:06:55 Operator: sonal
Sample : form 50,icv Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Jul 7 9:36 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:33:41 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.12	13.12	1104909	2017294	52.066m	52.707m
Spiked Amount	50.000	Range	20 - 115	Recovery	= 104.13%	105.41%
Target Compounds						
1) Formaldehyde	7.98	7.98	1440018	3902601	50.689m	50.156m
2) Acetaldehyde	8.92	8.92	2017954	3734977	42.811m	41.120m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU27929.D FM070610.M Wed Jul 07 09:43:06 2010 RPT1

Quantitation Report

Data File : K:\HPLC2\DATA\070610\VU27929.D\dad1b.ch
Acq On : 06-Jul-2010, 17:06:55
Sample : icv1253-50, form 50, icv
Misc : op21785, gvu1253, 25, , , 1, , soil
IntFile : rteint.p

Vial: 7
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

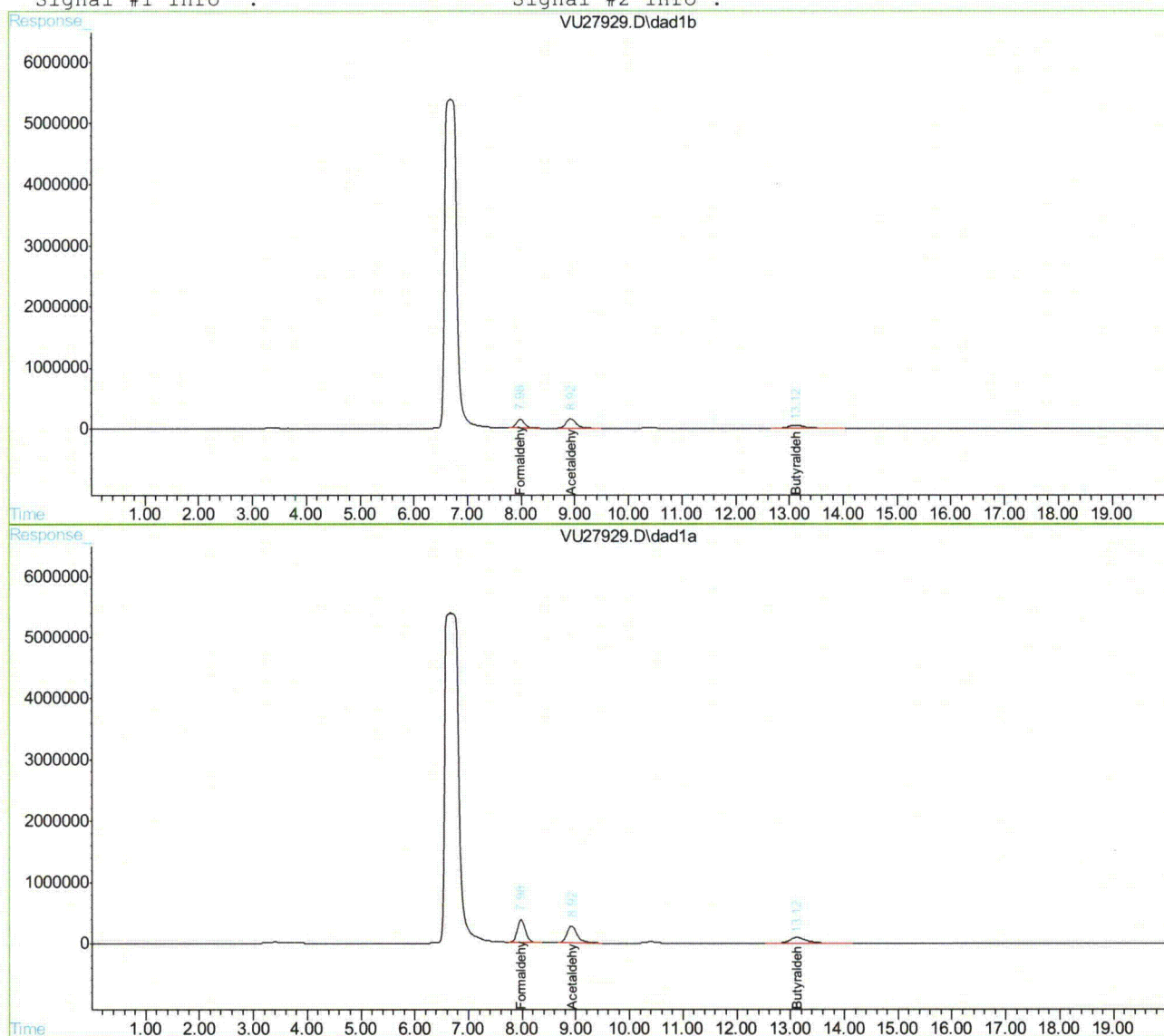
Data File : K:\HPLC2\DATA\070610\VU27929.D\dad1a.ch
Acq On : 06-Jul-2010, 17:06:55
Sample : form 50, icv
Misc :
IntFile : rteint2.p

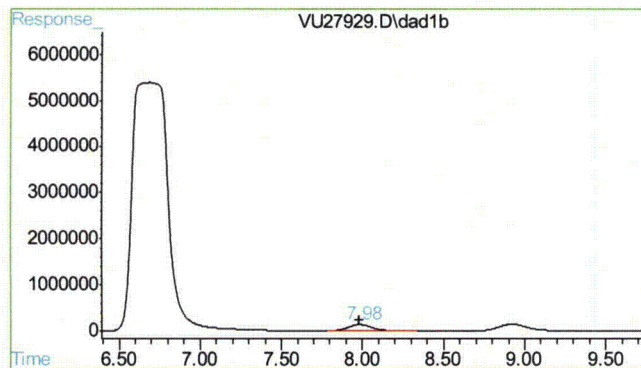
Vial: 7
Operator: sonal
Inst : G1315A
Multiplr: 1.00

Quant Time: Jul 7 9:36 2010 Quant Results File: FM070610.RES

Quant Method : K:\HPLC2\METHODS\FM070610.M (RTE Integrator)
Title : LC8315FORM/032310/ic1209/op20876
Last Update : Wed Jul 07 09:33:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

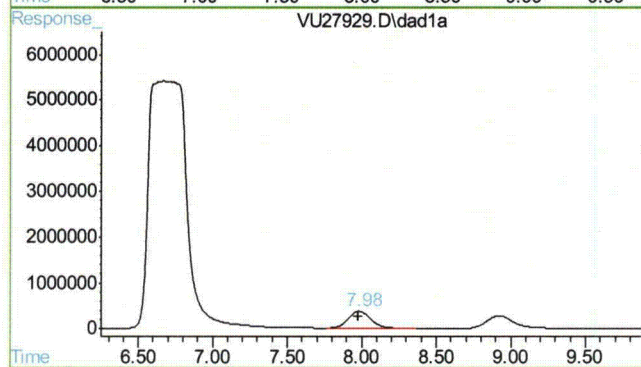
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





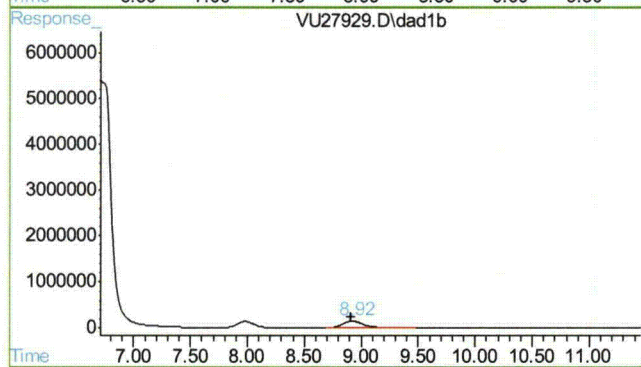
#1 Formaldehyde

R.T.: 7.983 min
Delta R.T.: 0.005 min
Response: 1440018
Conc: 50.69 ppm m



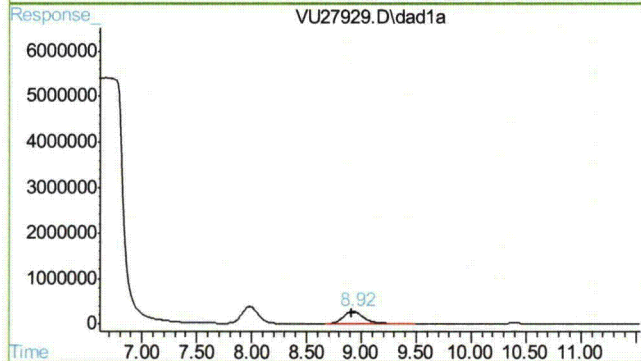
#1 Formaldehyde

R.T.: 7.983 min
Delta R.T.: 0.005 min
Response: 3902601
Conc: 50.16 ppm m



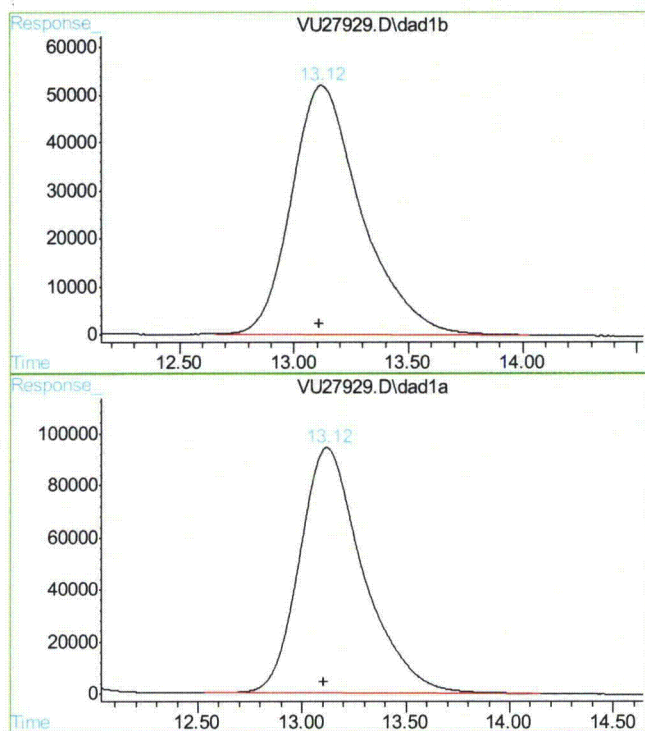
#2 Acetaldehyde

R.T.: 8.921 min
Delta R.T.: 0.006 min
Response: 2017954
Conc: 42.81 ppm m



#2 Acetaldehyde

R.T.: 8.921 min
Delta R.T.: 0.008 min
Response: 3734977
Conc: 41.12 ppm m



#3 Butyraldehyde

R.T.: 13.116 min
Delta R.T.: 0.008 min
Response: 1104909
Conc: 52.07 ug/ml m

#3 Butyraldehyde

R.T.: 13.118 min
Delta R.T.: 0.012 min
Response: 2017294
Conc: 52.71 ug/ml m

John Hamilton
11/08/10 15:05

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28449.D\dad1b.ch Vial: 91
Acq On : 21-Oct-2010, 16:23:29 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983, gvul288, 25, , , 1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28449.D\dad1a.ch Vial: 91
Acq On : 21-Oct-2010, 16:23:29 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 21 16:55 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Tue Oct 19 16:05:29 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.32	13.32	364712	655346	16.791m	17.002m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	33.58% 34.00%
Target Compounds						
1) Formaldehyde	8.04	8.05	583850	1621072	17.606m	17.756m
2) Acetaldehyde	9.00	9.00	853717	1824456	16.057m	17.301m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28449.D FM102110.M Fri Oct 22 10:50:39 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28449.D\dad1b.ch
Acq On : 21-Oct-2010, 16:23:29
Sample : cc1253-20, form 20
Misc : op22983,gvu1288,25,,,1
IntFile : rteint.p

Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28449.D\dad1a.ch
Acq On : 21-Oct-2010, 16:23:29
Sample : form 20
Misc :
IntFile : rteint2.p

Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 21 16:55 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Tue Oct 19 16:05:29 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

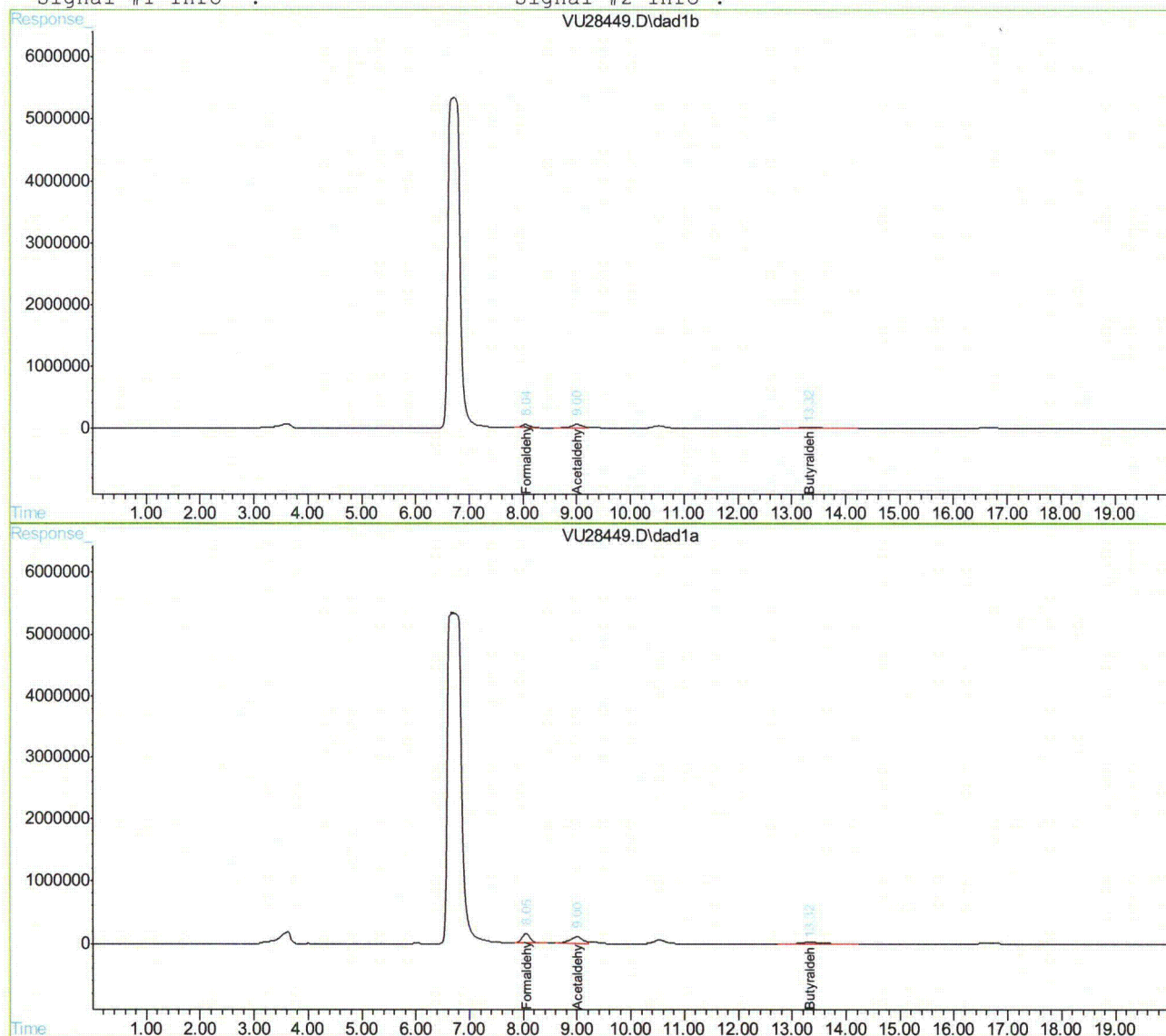
Volume Inj. :

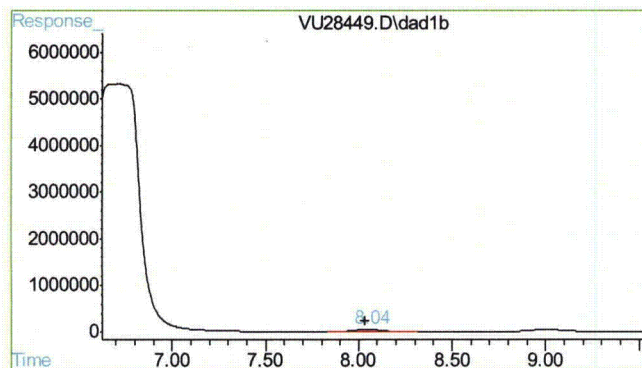
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

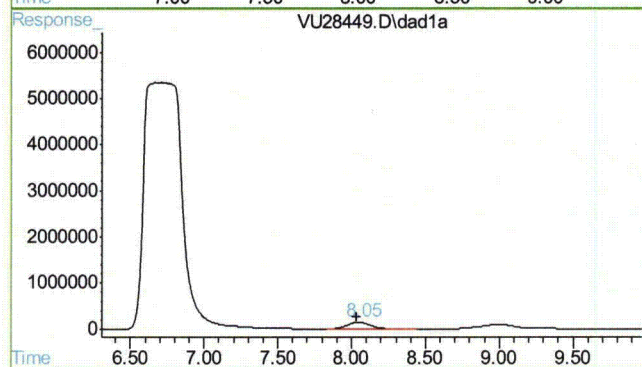
Signal #2 Info :





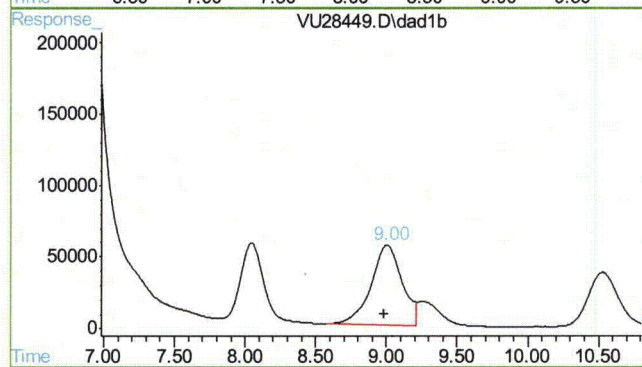
#1 Formaldehyde

R.T.: 8.044 min
Delta R.T.: 0.011 min
Response: 583850
Conc: 17.61 ppm m



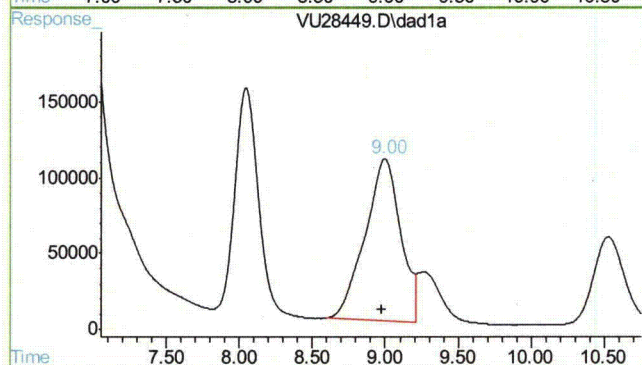
#1 Formaldehyde

R.T.: 8.046 min
Delta R.T.: 0.013 min
Response: 1621072
Conc: 17.76 ppm m



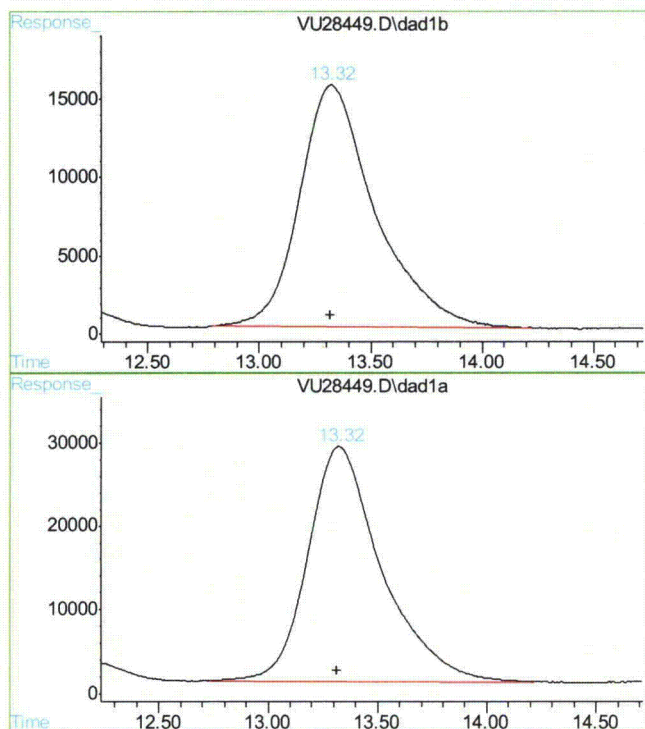
#2 Acetaldehyde

R.T.: 9.004 min
Delta R.T.: 0.018 min
Response: 853717
Conc: 16.06 ppm m



#2 Acetaldehyde

R.T.: 8.996 min
Delta R.T.: 0.016 min
Response: 1824456
Conc: 17.30 ppm m



#3 Butyraldehyde

R.T.: 13.319 min
Delta R.T.: 0.001 min
Response: 364712
Conc: 16.79 ug/ml m

#3 Butyraldehyde

R.T.: 13.324 min
Delta R.T.: 0.010 min
Response: 655346
Conc: 17.00 ug/ml m

17.6.8

17

John Hamilton
11/08/10 15:05

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28460.D\dad1b.ch Vial: 91
Acq On : 21-Oct-2010, 20:19:31 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28460.D\dad1a.ch Vial: 91
Acq On : 21-Oct-2010, 20:19:31 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:06 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.45	13.45	380064	675261	17.461m	17.481m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	34.92% 34.96%
Target Compounds						
1) Formaldehyde	8.11	8.11	591681	1597335	17.878m	17.453m
2) Acetaldehyde	9.08	9.07	838631	1826172	15.741m	17.321m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28460.D FM102110.M Fri Oct 22 10:51:41 2010 RPT1

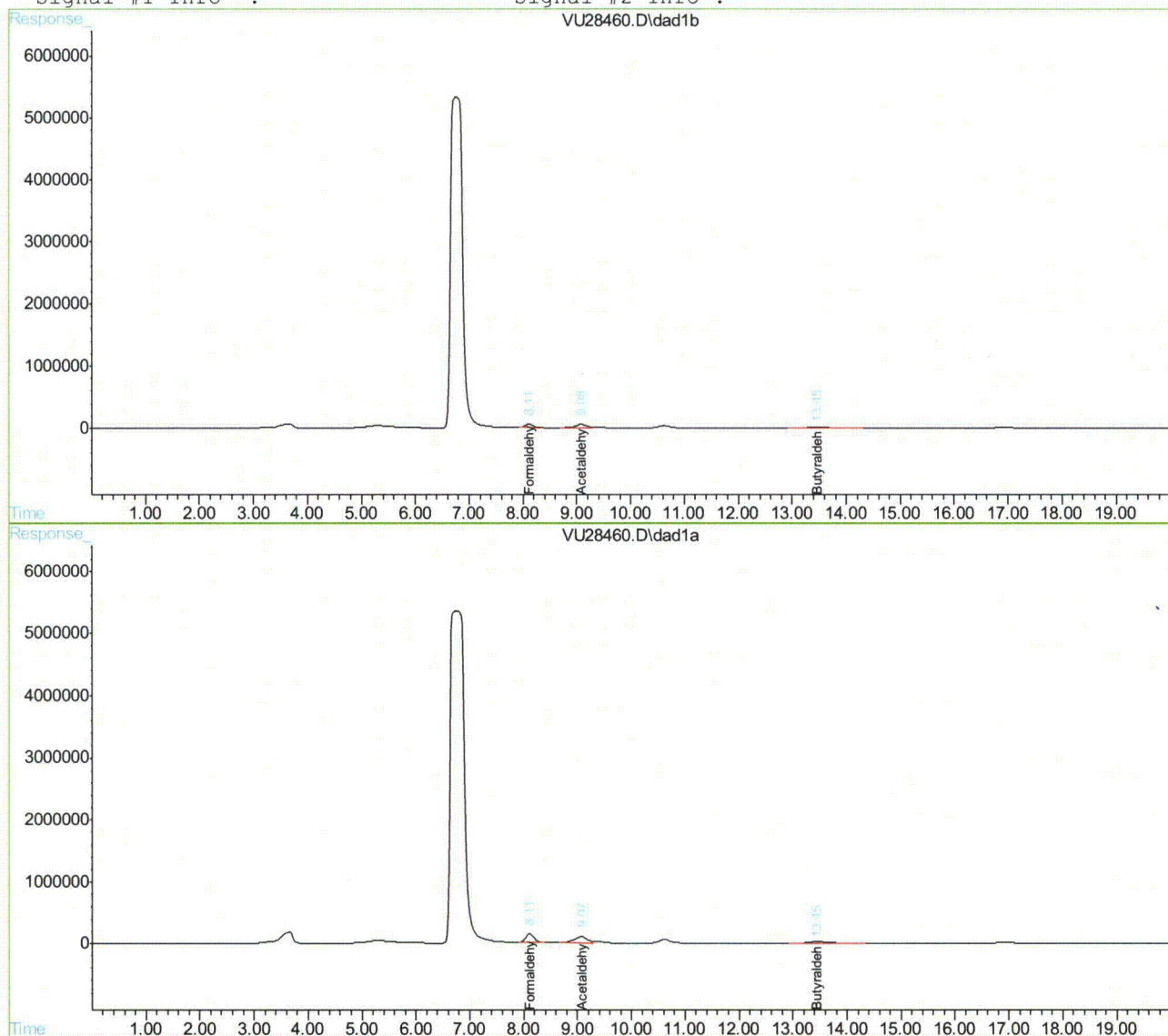
Quantitation Report

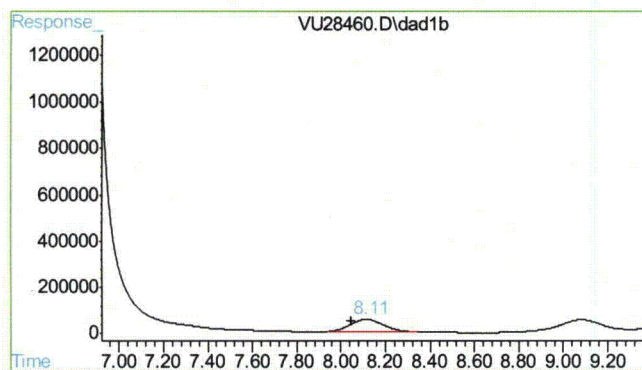
Data File : D:\HPLC2\DATA\102110\VU28460.D\dad1b.ch Vial: 91
Acq On : 21-Oct-2010, 20:19:31 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28460.D\dad1a.ch Vial: 91
Acq On : 21-Oct-2010, 20:19:31 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:06 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

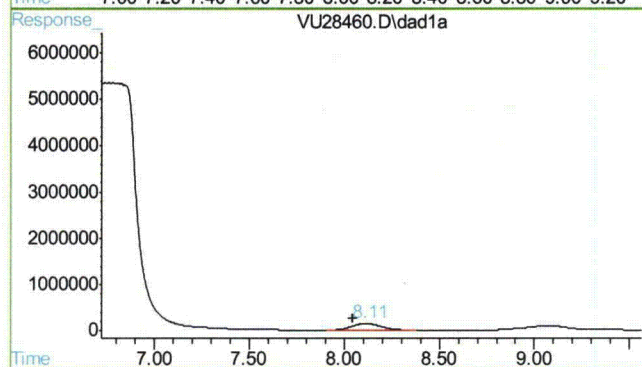
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





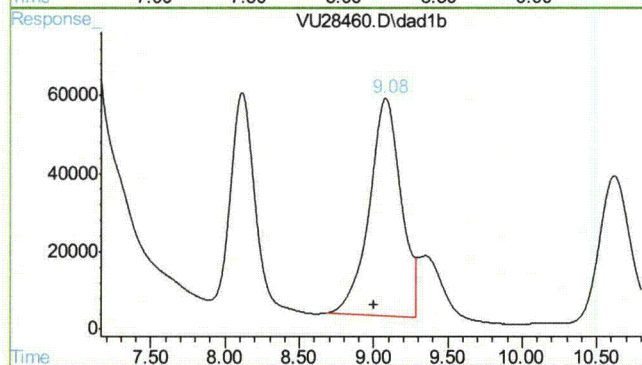
#1 Formaldehyde

R.T.: 8.113 min
Delta R.T.: 0.069 min
Response: 591681
Conc: 17.88 ppm m



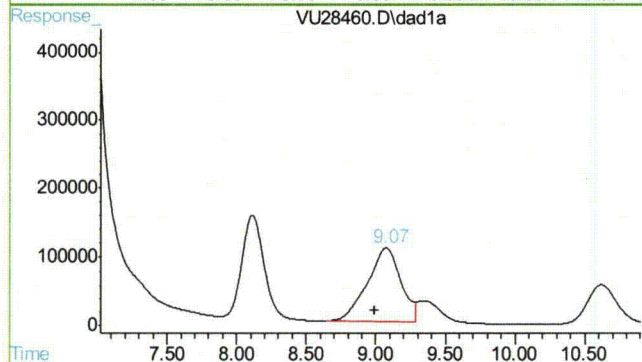
#1 Formaldehyde

R.T.: 8.113 min
Delta R.T.: 0.067 min
Response: 1597335
Conc: 17.45 ppm m



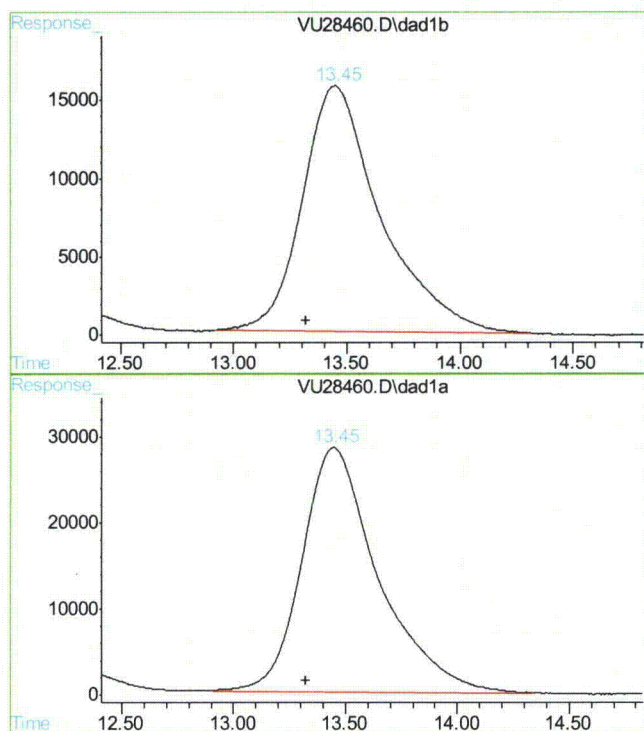
#2 Acetaldehyde

R.T.: 9.080 min
Delta R.T.: 0.075 min
Response: 838631
Conc: 15.74 ppm m



#2 Acetaldehyde

R.T.: 9.073 min
Delta R.T.: 0.077 min
Response: 1826172
Conc: 17.32 ppm m



#3 Butyraldehyde

R.T.: 13.451 min
Delta R.T.: 0.132 min
Response: 380064
Conc: 17.46 ug/ml m

#3 Butyraldehyde

R.T.: 13.446 min
Delta R.T.: 0.122 min
Response: 675261
Conc: 17.48 ug/ml m

17.6.9 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28471.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 00:09:31 Operator: caobinz
Sample : ccl253-20, form 20 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28471.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 00:09:31 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:32 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.37	13.37	384512	678658	17.656m	17.563m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 35.31%	35.13%
Target Compounds						
1) Formaldehyde	8.06	8.06	578267	1611698	17.411m	17.637m
2) Acetaldehyde	9.03	9.02	843913	1816421	15.851m	17.207m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28471.D FM102110.M Fri Oct 22 10:52:42 2010 RPT1

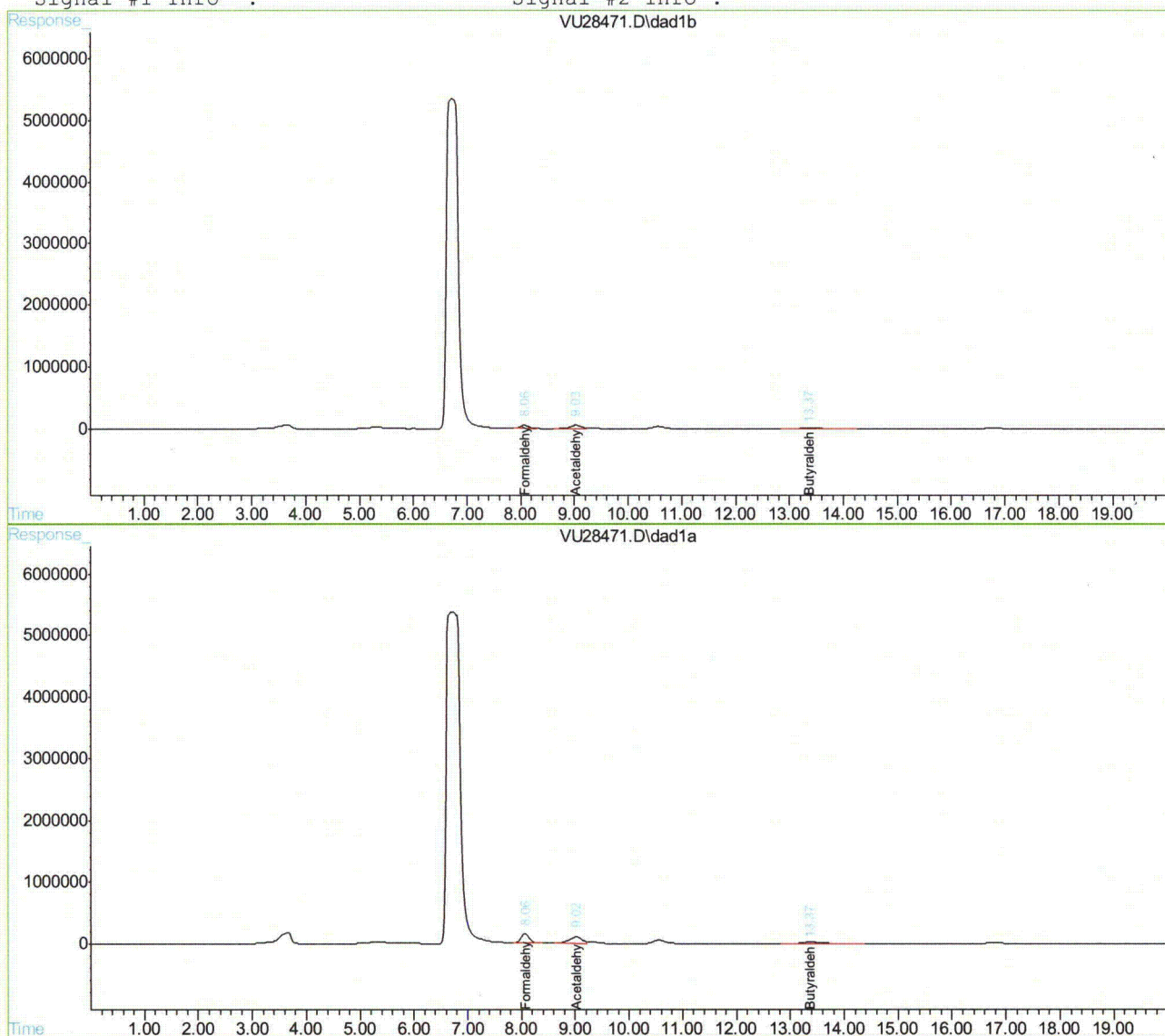
Quantitation Report

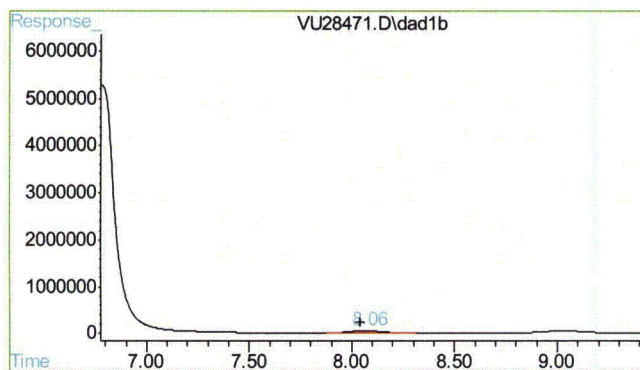
Data File : D:\HPLC2\DATA\102110\VU28471.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 00:09:31 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvu1288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28471.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 00:09:31 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 9:32 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

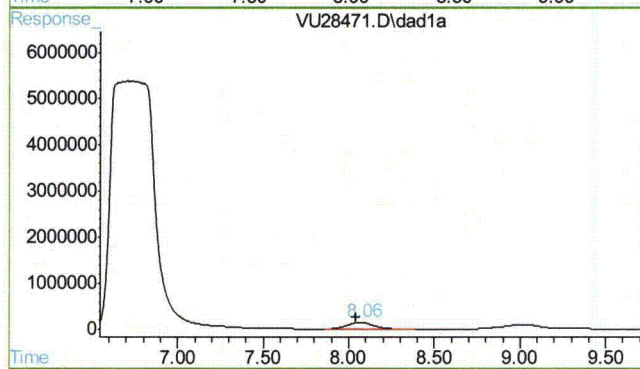
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





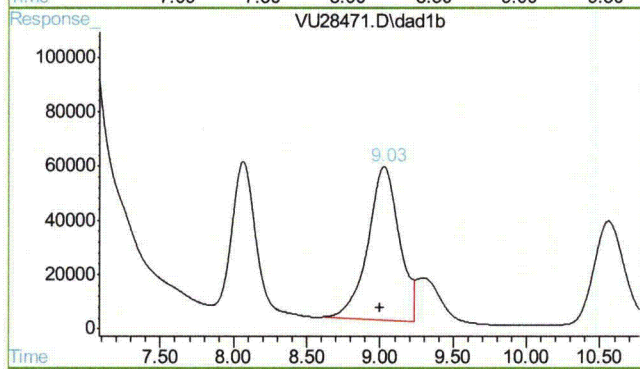
#1 Formaldehyde

R.T.: 8.064 min
Delta R.T.: 0.019 min
Response: 578267
Conc: 17.41 ppm m



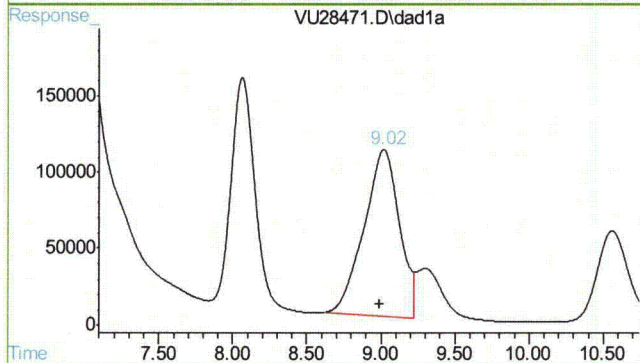
#1 Formaldehyde

R.T.: 8.064 min
Delta R.T.: 0.018 min
Response: 1611698
Conc: 17.64 ppm m



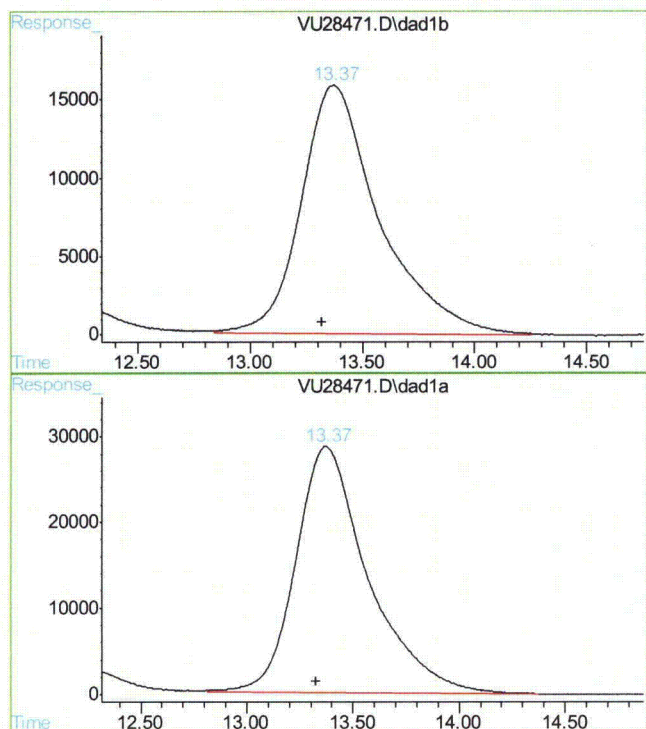
#2 Acetaldehyde

R.T.: 9.025 min
Delta R.T.: 0.021 min
Response: 843913
Conc: 15.85 ppm m



#2 Acetaldehyde

R.T.: 9.019 min
Delta R.T.: 0.023 min
Response: 1816421
Conc: 17.21 ppm m



#3 Butyraldehyde

R.T.: 13.372 min
Delta R.T.: 0.053 min
Response: 384512
Conc: 17.66 ug/ml m

#3 Butyraldehyde

R.T.: 13.372 min
Delta R.T.: 0.048 min
Response: 678658
Conc: 17.56 ug/ml m

John Hamilton
11/08/10 15:05

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102110\VU28475.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 01:33:17 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvul288,25,,,1 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102110\VU28475.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 01:33:17 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 22 9:36 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.36	13.35	378221	670682	17.381m	17.371m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	34.76% 34.74%
Target Compounds						
1) Formaldehyde	8.05	8.05	597781	1624825	18.091m	17.804m
2) Acetaldehyde	9.01	9.00	825917	1801845	15.475m	17.038m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28475.D FM102110.M Fri Oct 22 10:53:04 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102110\VU28475.D\dad1b.ch
Acq On : 22-Oct-2010, 01:33:17
Sample : cc1253-20, form 20
Misc : op22983,gvul288,25,,,1
IntFile : rteint.p

Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102110\VU28475.D\dad1a.ch
Acq On : 22-Oct-2010, 01:33:17
Sample : form 20
Misc :
IntFile : rteint2.p

Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Quant Time: Oct 22 9:36 2010 Quant Results File: FM102110.RES

Quant Method : D:\HPLC2\METHODS\FM102110.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

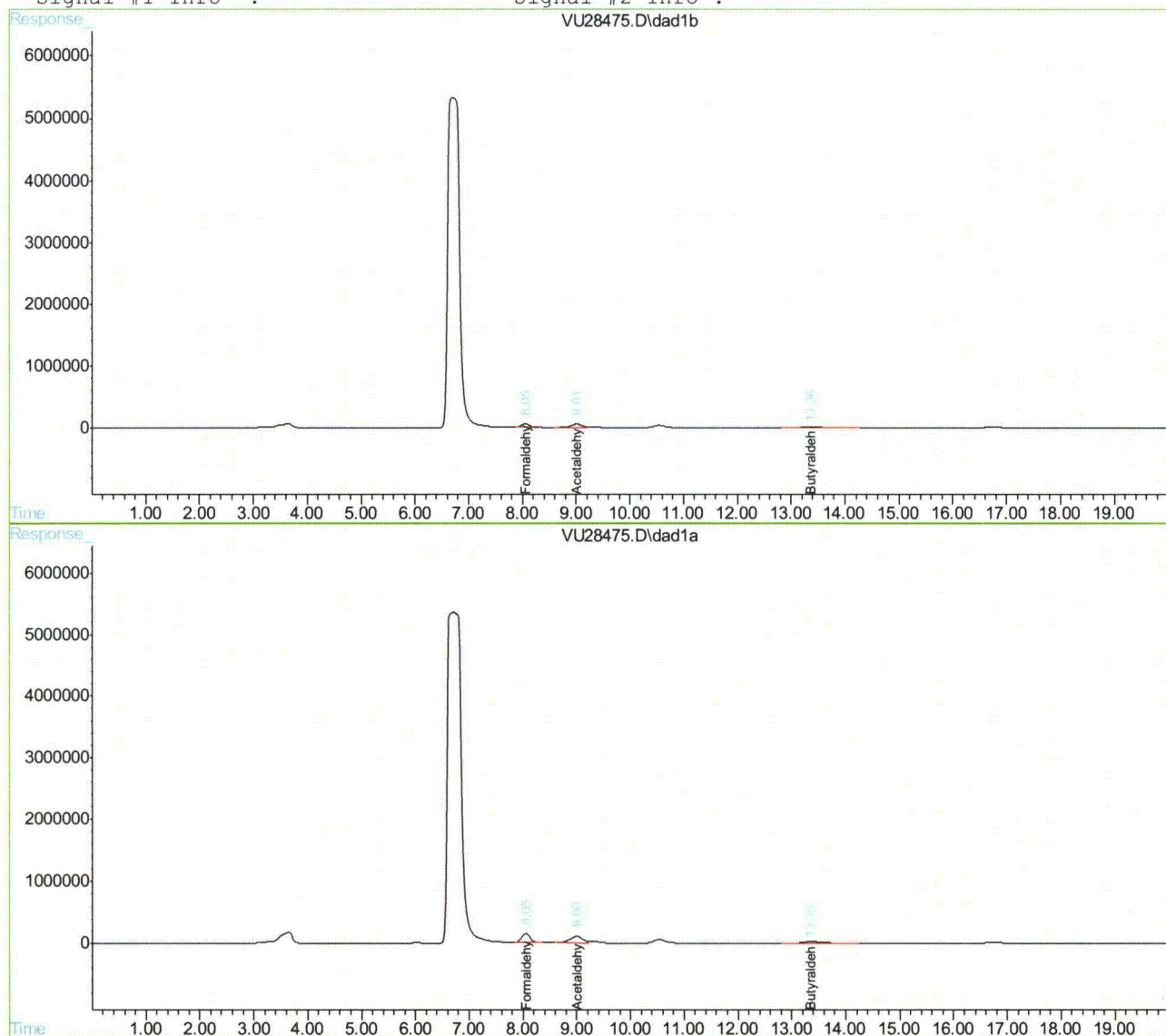
Volume Inj. :

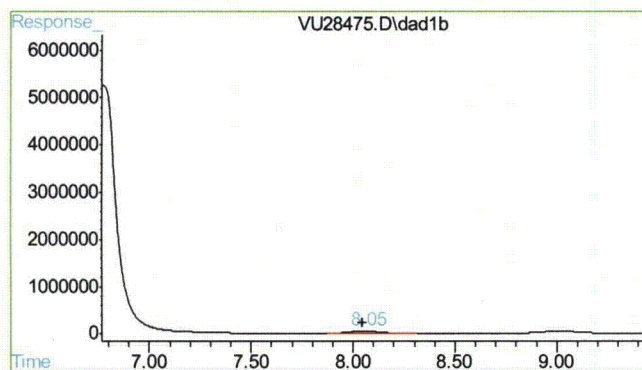
Signal #1 Phase :

Signal #1 Info :

Signal #2 Phase:

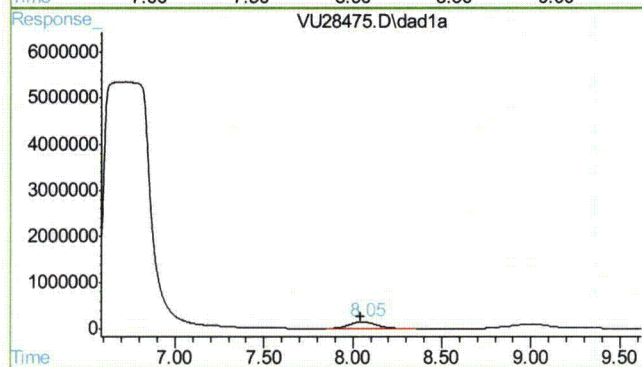
Signal #2 Info :





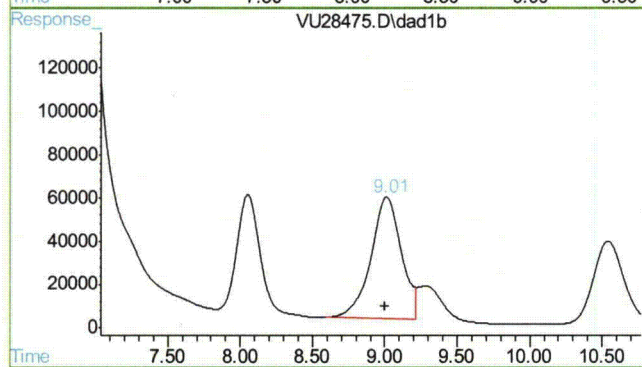
#1 Formaldehyde

R.T.: 8.052 min
Delta R.T.: 0.007 min
Response: 597781
Conc: 18.09 ppm m



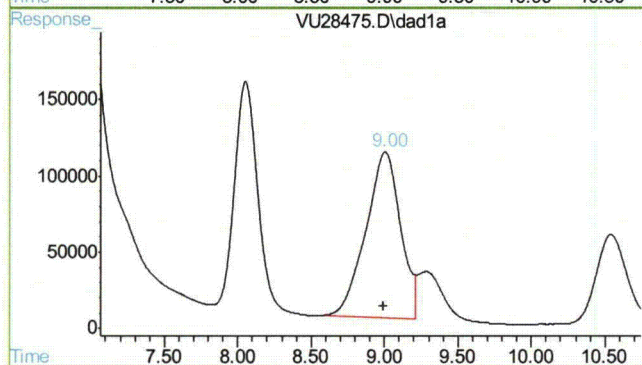
#1 Formaldehyde

R.T.: 8.053 min
Delta R.T.: 0.007 min
Response: 1624825
Conc: 17.80 ppm m



#2 Acetaldehyde

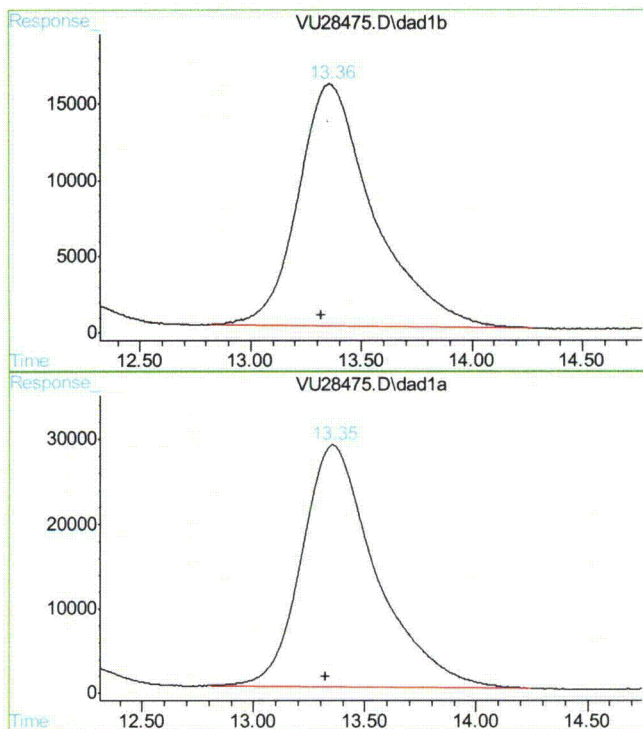
R.T.: 9.011 min
Delta R.T.: 0.007 min
Response: 825917
Conc: 15.48 ppm m



#2 Acetaldehyde

R.T.: 9.003 min
Delta R.T.: 0.007 min
Response: 1801845
Conc: 17.04 ppm m

17.6.11 17



#3 Butyraldehyde

R.T.: 13.358 min
Delta R.T.: 0.039 min
Response: 378221
Conc: 17.38 ug/ml m

#3 Butyraldehyde

R.T.: 13.353 min
Delta R.T.: 0.029 min
Response: 670682
Conc: 17.37 ug/ml m

17.6.11 17

John Hamilton
11/08/10 15:11

Quantitation Report (QT Reviewed)

Signal #1 : D:\HPLC2\DATA\102210\VU28494.D\dad1b.ch Vial: 91
Signal #2 : D:\HPLC2\DATA\102210\VU28494.D\dad1a.ch
Acq On : 22-Oct-2010, 09:09:07 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983, gvul289, 25, , , 1 Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 22 9:53 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

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

3) s Butyraldehyde	13.51	13.51	368693	658833	16.964m	17.085m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	33.93% 34.17%

Target Compounds

1) Formaldehyde	8.10	8.10	586006	1626603	17.681m	17.827m
2) Acetaldehyde	9.08	9.07	835793	1814105	15.682m	17.180m

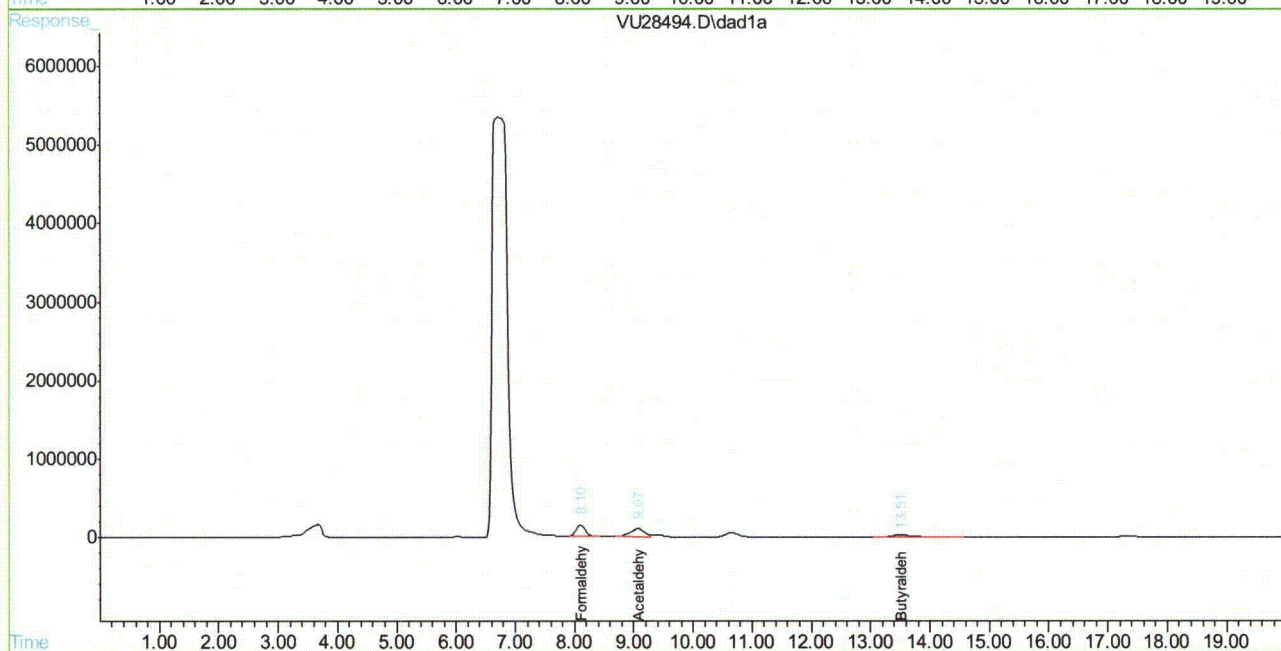
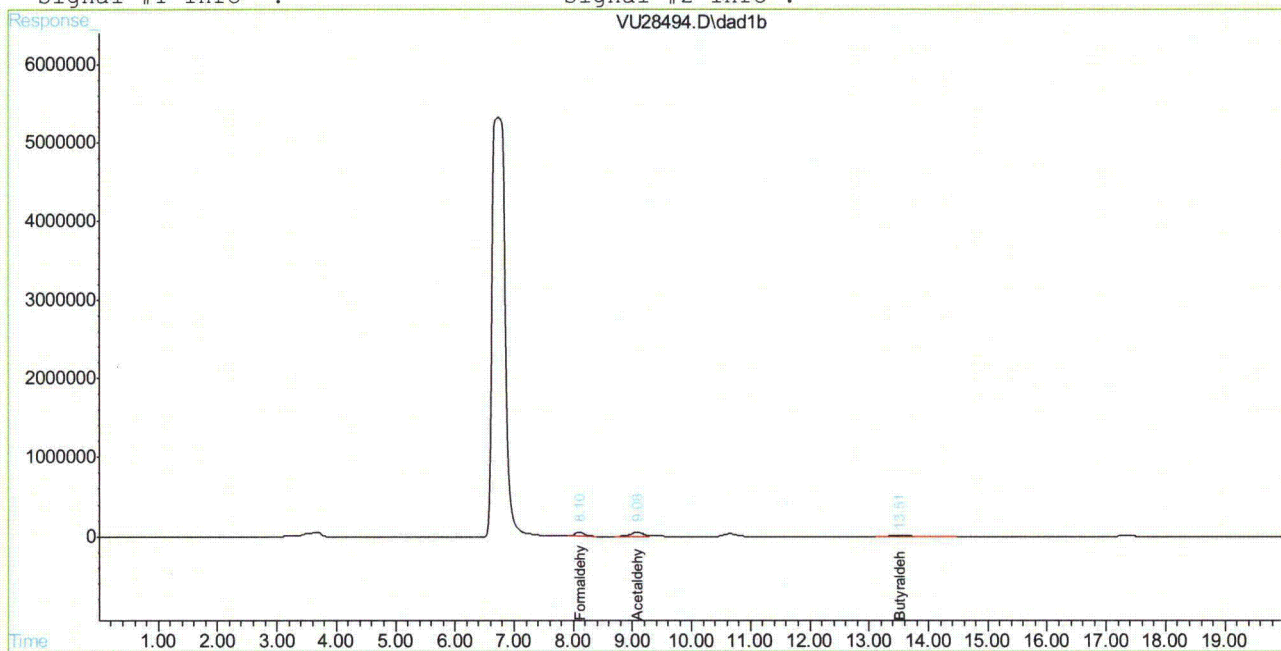
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28494.D FM102210.M Sat Oct 23 10:54:07 2010 RPT1

Quantitation Report

Signal #1 : D:\HPLC2\DATA\102210\VU28494.D\dad1b.ch Vial: 91
Signal #2 : D:\HPLC2\DATA\102210\VU28494.D\dad1a.ch
Acq On : 22-Oct-2010, 09:09:07 Operator: caobinz
Sample : cc1253-20,form 20 Inst : G1315A
Misc : op22983,gvul289,25,,,1 Multiplr: 1.00
IntFile Signal #1: rteint.p IntFile Signal #2: rteint2.p
Quant Time: Oct 22 9:53 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 08:44:26 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase :
Signal #2 Info :

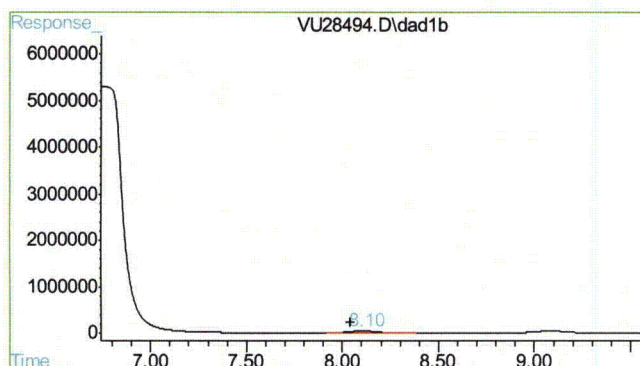


VU28494.D FM102210.M

Sat Oct 23 10:54:07 2010

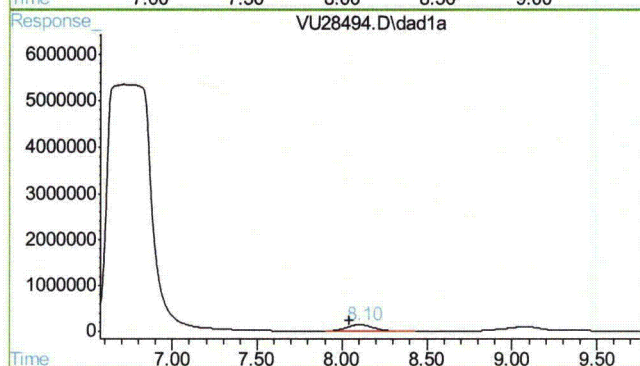
RPT1

Page 2



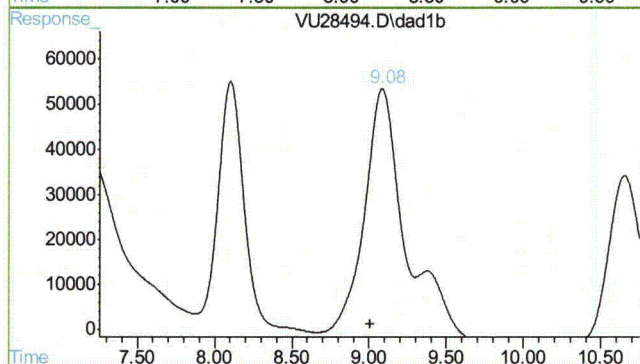
#1 Formaldehyde

R.T.: 8.101 min
Delta R.T.: 0.057 min
Response: 586006
Conc: 17.68 ppm m



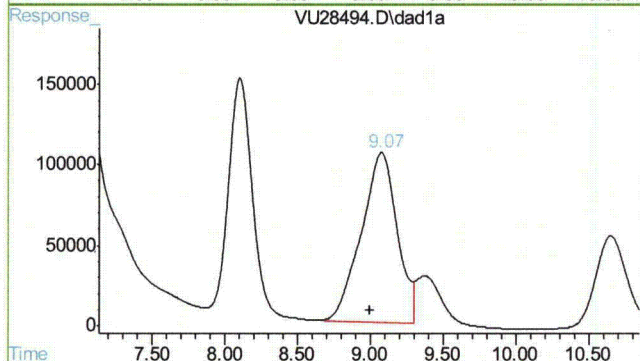
#1 Formaldehyde

R.T.: 8.101 min
Delta R.T.: 0.056 min
Response: 1626603
Conc: 17.83 ppm m



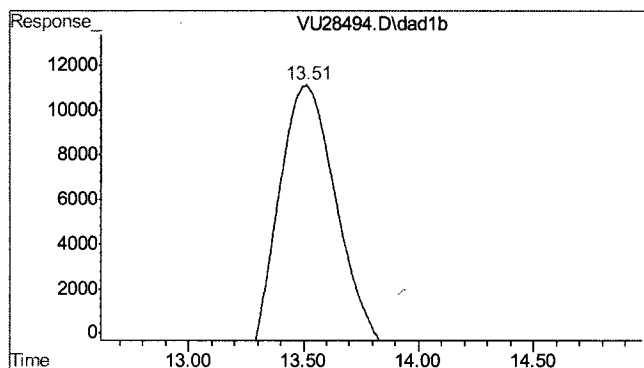
#2 Acetaldehyde

R.T.: 9.085 min
Delta R.T.: 0.081 min
Response: 835793
Conc: 15.68 ppm m



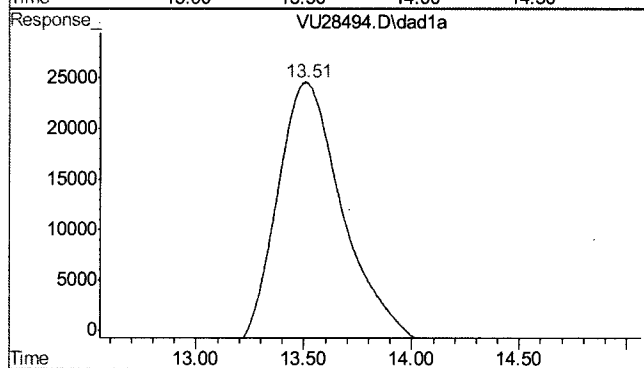
#2 Acetaldehyde

R.T.: 9.075 min
Delta R.T.: 0.079 min
Response: 1814105
Conc: 17.18 ppm m



#3 Butyraldehyde

R.T.: 13.512 min
 Delta R.T.: 0.192 min
 Response: 368693
 Conc: 16.96 ug/ml m



#3 Butyraldehyde

R.T.: 13.512 min
 Delta R.T.: 0.187 min
 Response: 658833
 Conc: 17.09 ug/ml m

17.6.12 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28503.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 12:35:39 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983, gvul289, 25, , , 1, 5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28503.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 12:35:39 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 13:47 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.34	13.34	378876	672050	17.409m	17.404m
Spiked Amount	50.000	Range	10 - 115	Recovery	=	34.82% 34.81%
Target Compounds						
1) Formaldehyde	8.05	8.05	582132	1600397	17.546m	17.492m
2) Acetaldehyde	9.01	9.00	852662	1874453	16.035m	17.884m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28503.D FM102210.M Sat Oct 23 10:55:00 2010 RPT1

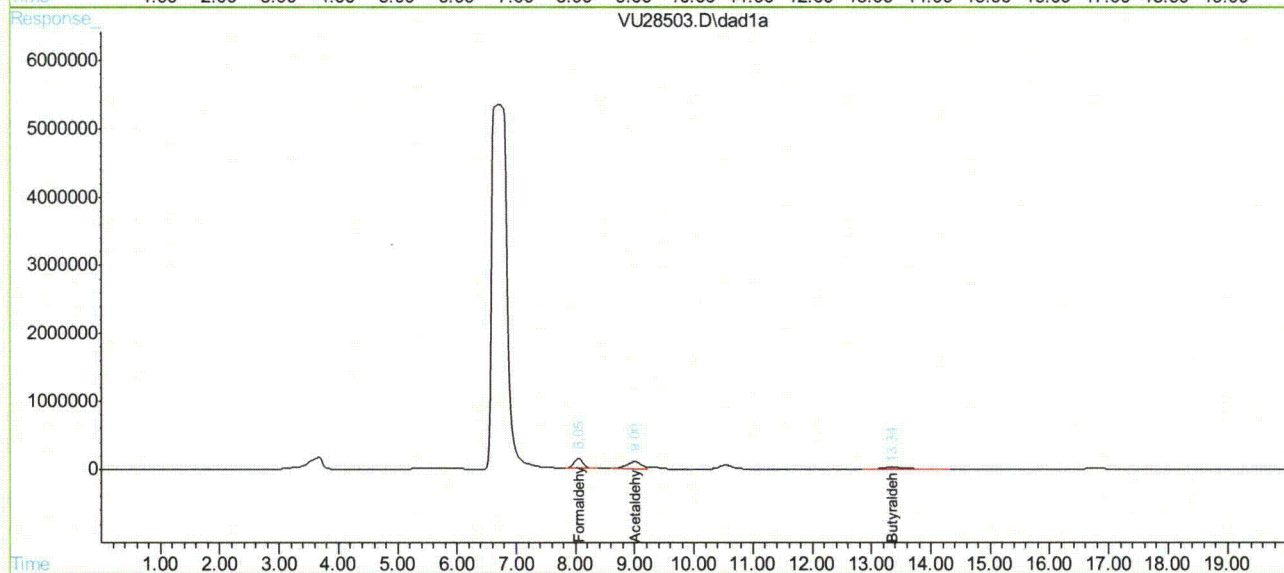
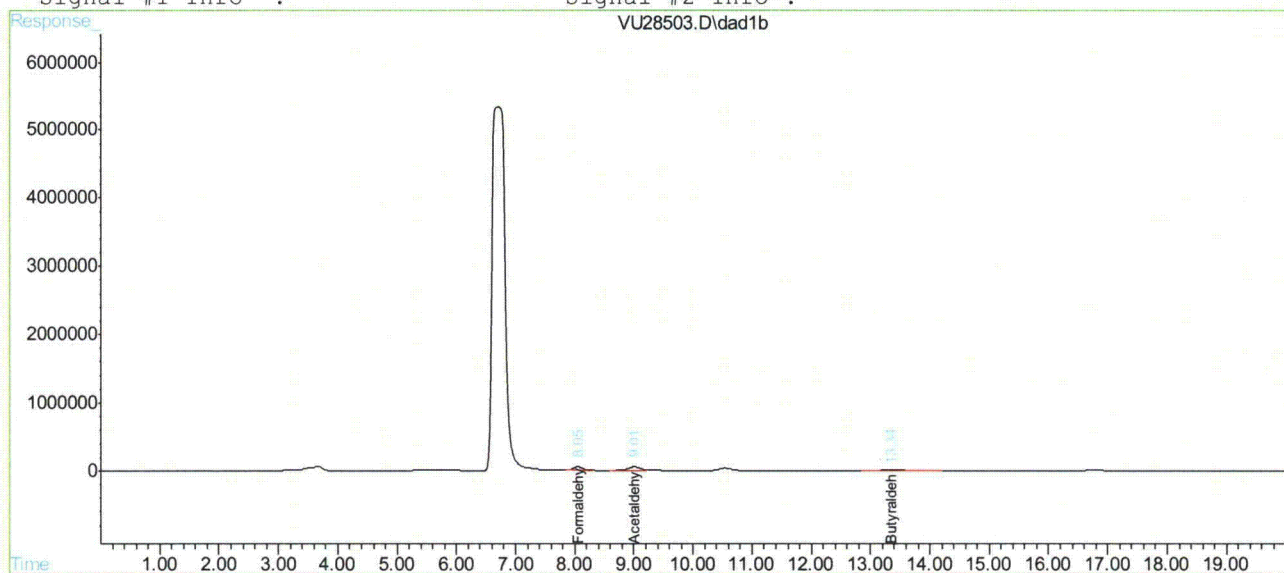
Quantitation Report

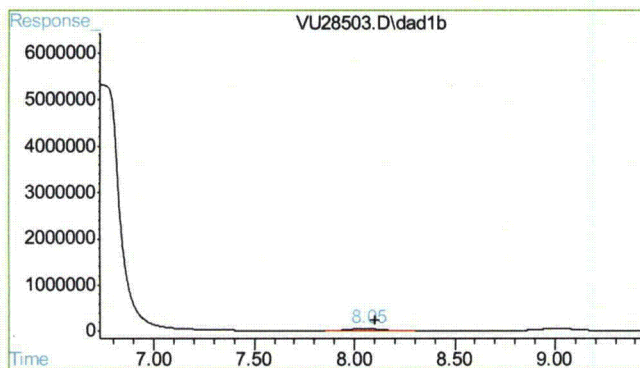
Data File : D:\HPLC2\DATA\102210\VU28503.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 12:35:39 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28503.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 12:35:39 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 22 13:47 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

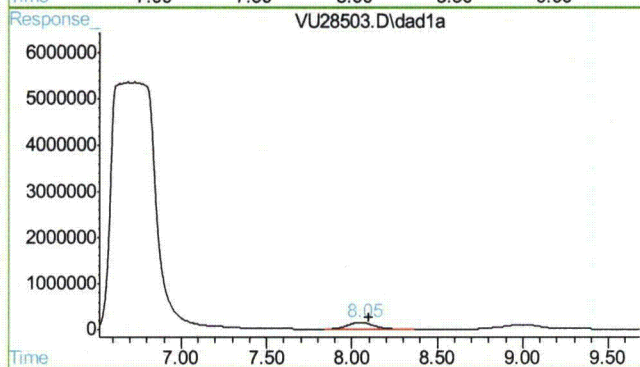
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





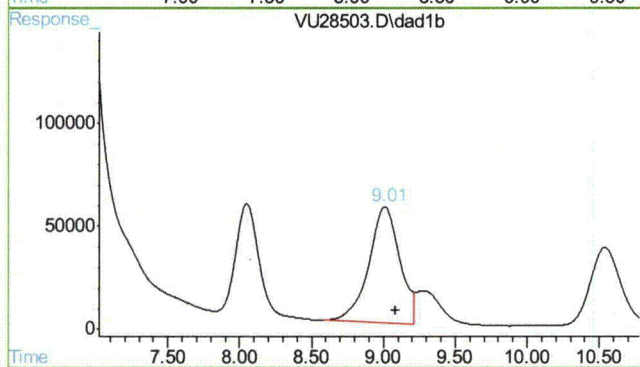
#1 Formaldehyde

R.T.: 8.047 min
Delta R.T.: -0.054 min
Response: 582132
Conc: 17.55 ppm m



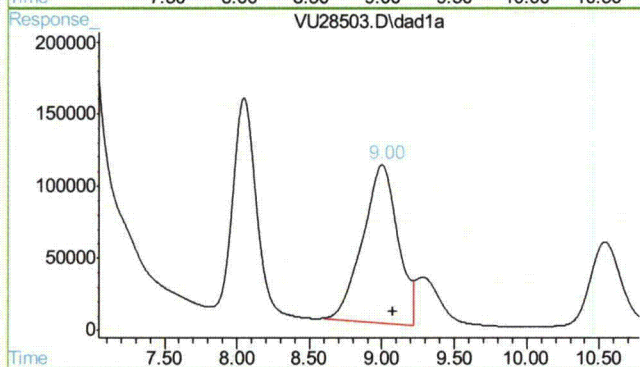
#1 Formaldehyde

R.T.: 8.049 min
Delta R.T.: -0.053 min
Response: 1600397
Conc: 17.49 ppm m



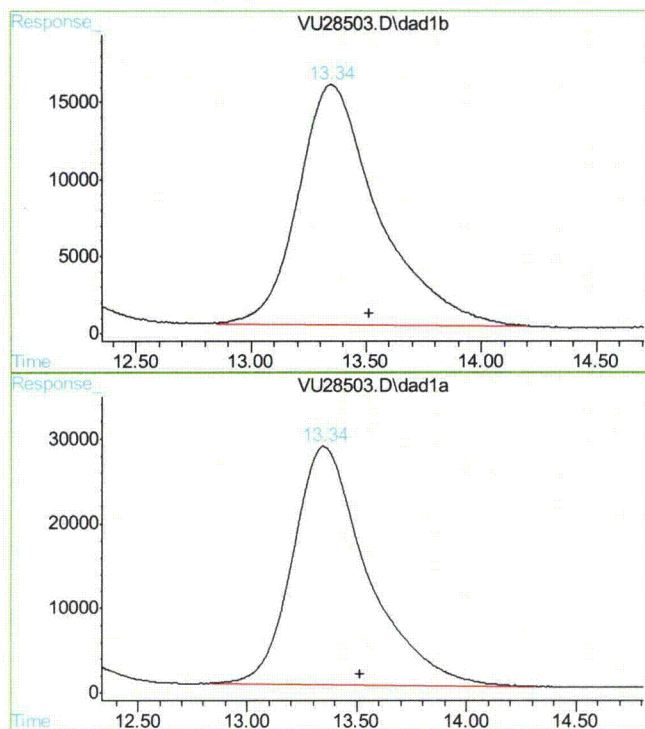
#2 Acetaldehyde

R.T.: 9.009 min
Delta R.T.: -0.076 min
Response: 852662
Conc: 16.03 ppm m



#2 Acetaldehyde

R.T.: 9.001 min
Delta R.T.: -0.074 min
Response: 1874453
Conc: 17.88 ppm m



#3 Butyraldehyde

R.T.: 13.344 min
Delta R.T.: -0.168 min
Response: 378876
Conc: 17.41 ug/ml m

#3 Butyraldehyde

R.T.: 13.344 min
Delta R.T.: -0.168 min
Response: 672050
Conc: 17.40 ug/ml m

17.6.13 17

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28514.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 16:25:24 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvul289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28514.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 16:25:24 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p

Quant Time: Oct 23 9:24 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Initial Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.42	13.42	366082	666170	16.850	17.262
Spiked Amount	50.000	Range	10 - 115	Recovery	= 33.70%	34.52%
Target Compounds						
1) Formaldehyde	8.07	8.07	593143	1604492	17.929m	17.545m
2) Acetaldehyde	-9.04	9.03	863674	1843098	16.265m	17.518m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
VU28514.D FM102210.M Sat Oct 23 10:56:00 2010 RPT1

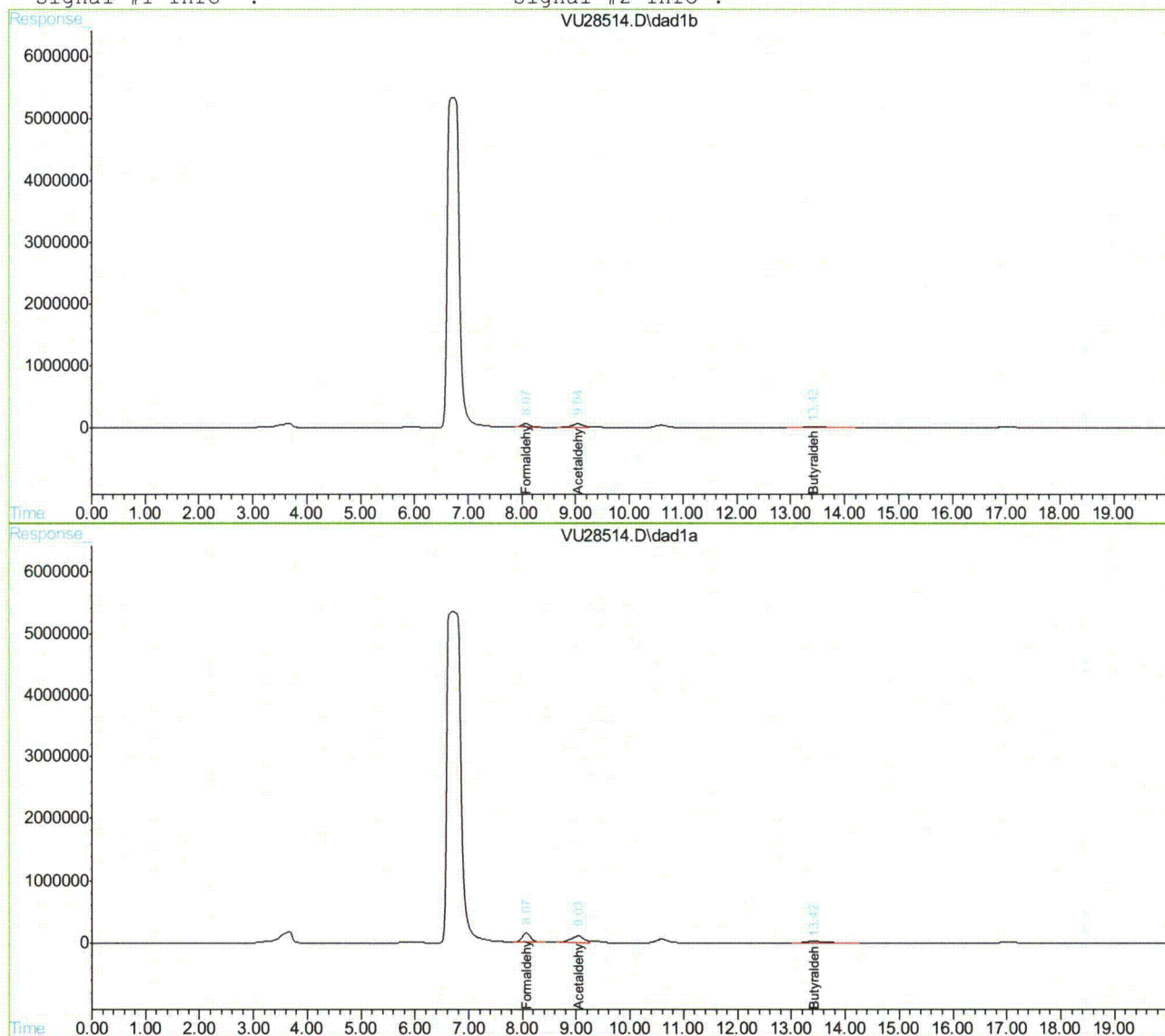
Quantitation Report

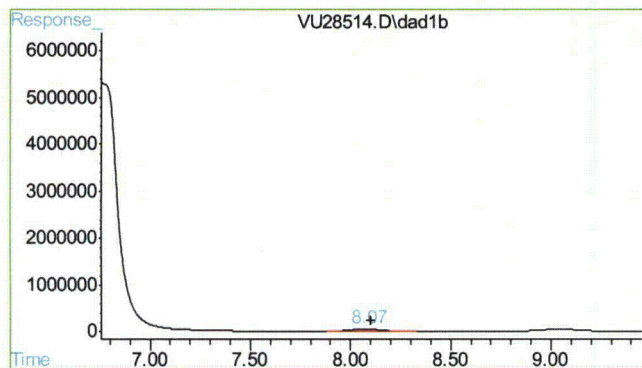
Data File : D:\HPLC2\DATA\102210\VU28514.D\dad1b.ch Vial: 91
Acq On : 22-Oct-2010, 16:25:24 Operator: caobinz
Sample : cc1253-20, form 20 Inst : G1315A
Misc : op22983,gvu1289,25,,,1,5 Multiplr: 1.00
IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28514.D\dad1a.ch Vial: 91
Acq On : 22-Oct-2010, 16:25:24 Operator: caobinz
Sample : form 20 Inst : G1315A
Misc : Multiplr: 1.00
IntFile : rteint2.p
Quant Time: Oct 23 9:24 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

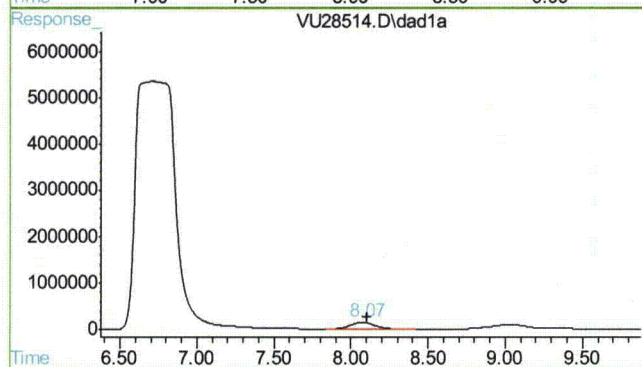
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





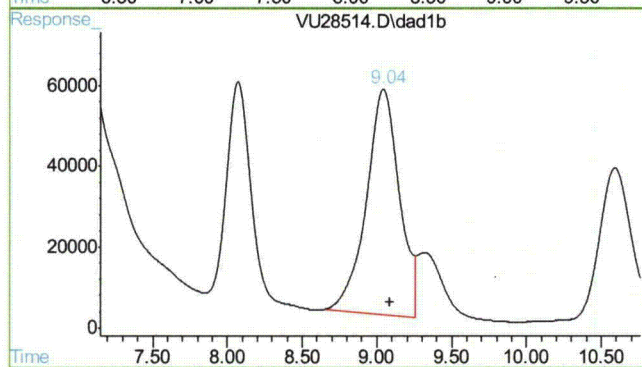
#1 Formaldehyde

R.T.: 8.070 min
Delta R.T.: -0.031 min
Response: 593143
Conc: 17.93 ppm m



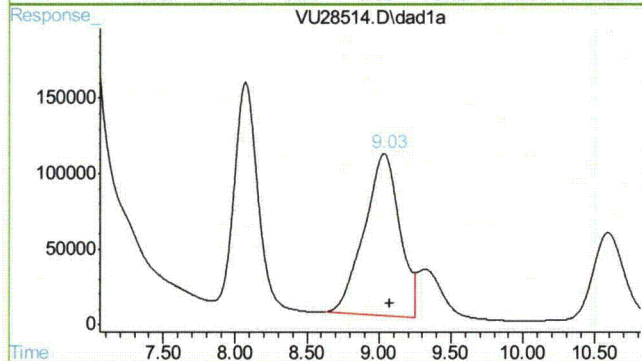
#1 Formaldehyde

R.T.: 8.072 min
Delta R.T.: -0.030 min
Response: 1604492
Conc: 17.54 ppm m



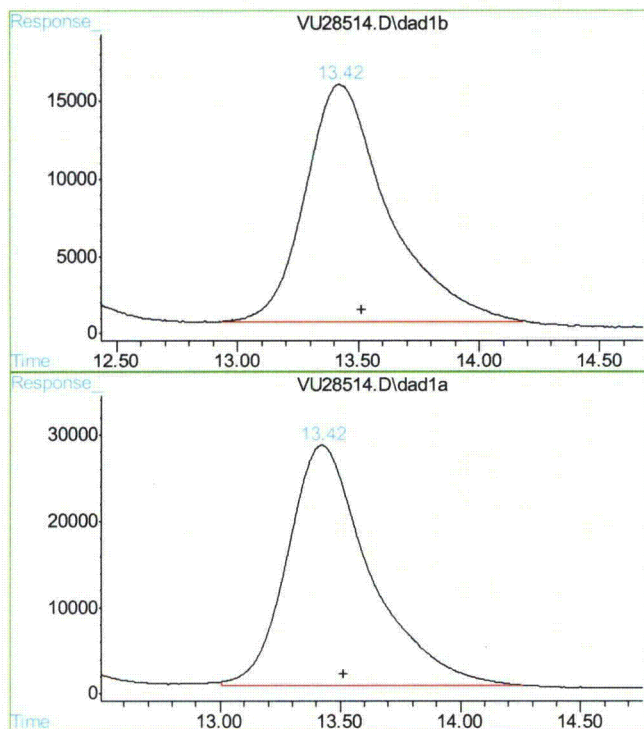
#2 Acetaldehyde

R.T.: 9.042 min
Delta R.T.: -0.043 min
Response: 863674
Conc: 16.27 ppm m



#2 Acetaldehyde

R.T.: 9.033 min
Delta R.T.: -0.042 min
Response: 1843098
Conc: 17.52 ppm m



#3 Butyraldehyde

R.T.: 13.417 min
Delta R.T.: -0.095 min
Response: 366082
Conc: 16.85 ug/ml

#3 Butyraldehyde

R.T.: 13.420 min
Delta R.T.: -0.091 min
Response: 666170
Conc: 17.26 ug/ml

17.6.14

17

John Hamilton
11/08/10 15:11

Quantitation Report (QT Reviewed)

Data File : D:\HPLC2\DATA\102210\VU28526.D\dad1b.ch Vial: 91
 Acq On : 22-Oct-2010, 20:36:06 Operator: caobinz
 Sample : cc1253-20, form 20 Inst : G1315A
 Misc : op22999,gvul289,25,,,1,5 Multiplr: 1.00
 IntFile : rteint.p

Data File : D:\HPLC2\DATA\102210\VU28526.D\dad1a.ch Vial: 91
 Acq On : 22-Oct-2010, 20:36:06 Operator: caobinz
 Sample : form 20 Inst : G1315A
 Misc : Multiplr: 1.00
 IntFile : rteint2.p

Quant Time: Oct 23 9:34 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
 Title : LC8315FORM/070610/ic1253/op21796
 Last Update : Fri Oct 22 12:05:41 2010
 Response via : Initial Calibration
 DataAcq Meth : F6040D.M

Volume Inj. :
 Signal #1 Phase : Signal #2 Phase:
 Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppm	ppm

System Monitoring Compounds						
3) s Butyraldehyde	13.14f	13.14f	379274	671378	17.427m	17.387m
Spiked Amount	50.000	Range	10 - 115	Recovery	= 34.85%	34.77%
Target Compounds						
1) Formaldehyde	8.00f	8.00f	599909	1631585	18.166m	17.891m
2) Acetaldehyde	8.94f	8.94f	863754	1824010	16.267m	17.296m

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
 VU28526.D FM102210.M Sat Oct 23 10:57:08 2010 RPT1

Quantitation Report

Data File : D:\HPLC2\DATA\102210\VU28526.D\dad1b.ch
Acq On : 22-Oct-2010, 20:36:06
Sample : cc1253-20, form 20
Misc : op22999,gvu1289,25,,,1,5
IntFile : rteint.p

Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

Data File : D:\HPLC2\DATA\102210\VU28526.D\dad1a.ch
Acq On : 22-Oct-2010, 20:36:06
Sample : form 20
Misc :
IntFile : rteint2.p

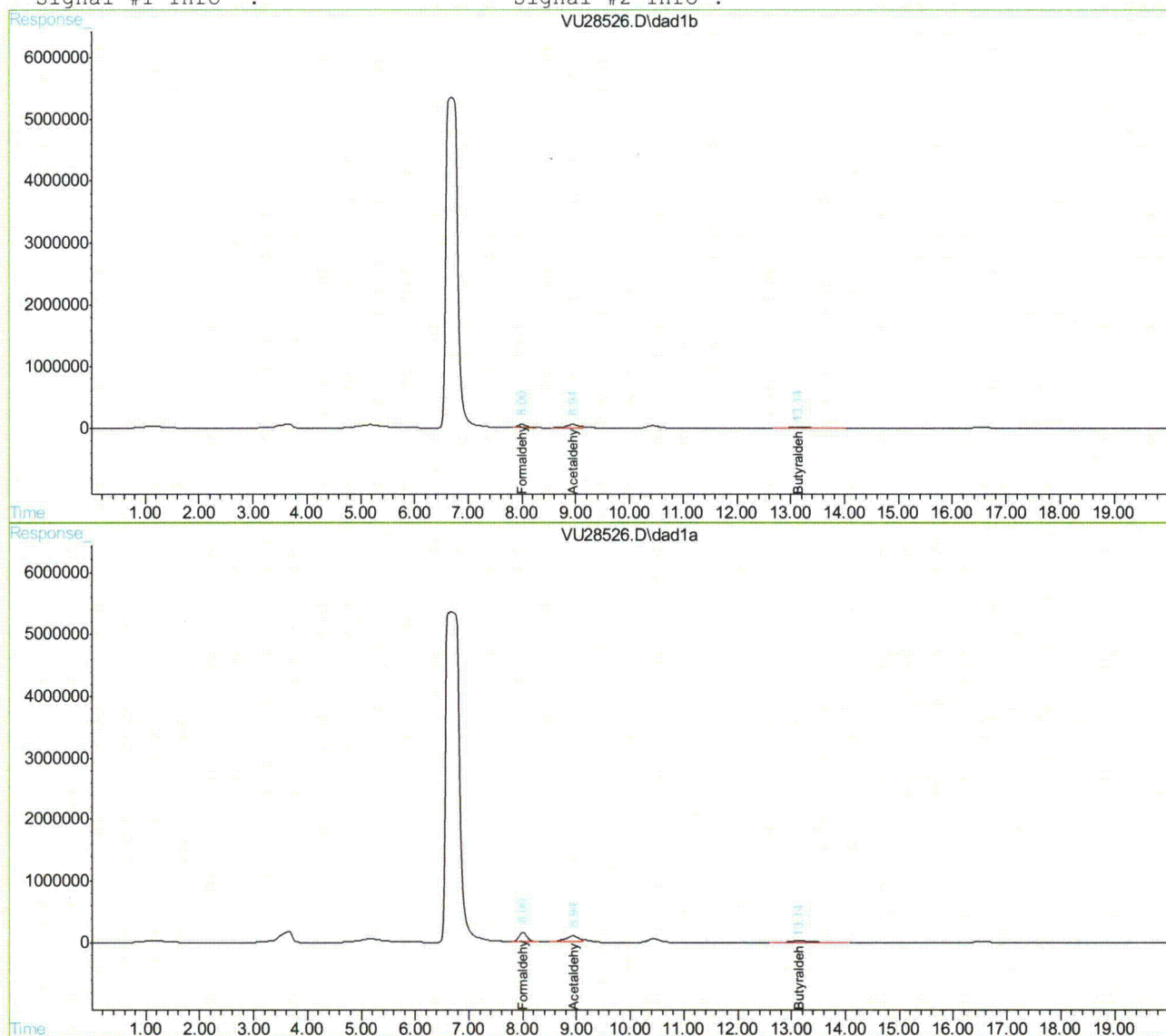
Vial: 91
Operator: caobinz
Inst : G1315A
Multiplr: 1.00

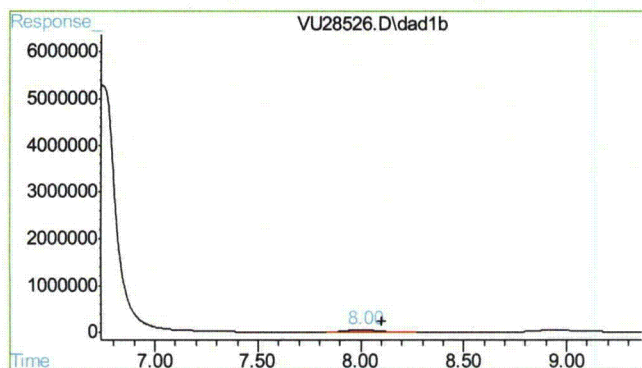
Quant Time: Oct 23 9:34 2010 Quant Results File: FM102210.RES

Quant Method : D:\HPLC2\METHODS\FM102210.M (RTE Integrator)
Title : LC8315FORM/070610/ic1253/op21796
Last Update : Fri Oct 22 12:05:41 2010
Response via : Multiple Level Calibration
DataAcq Meth : F6040D.M

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :

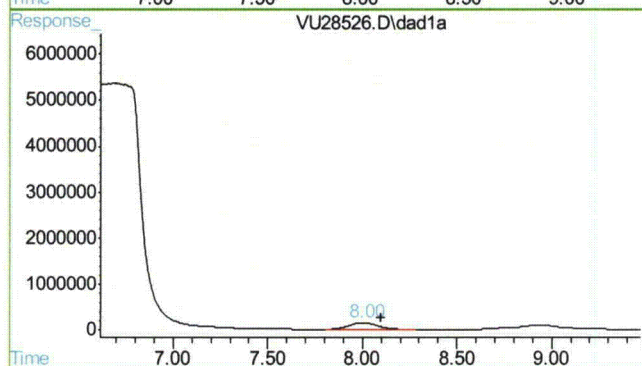
Signal #2 Phase:
Signal #2 Info :





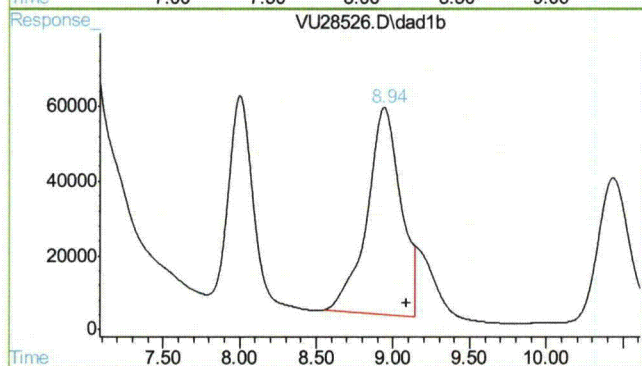
#1 Formaldehyde

R.T.: 8.001 min
Delta R.T.: -0.100 min
Response: 599909
Conc: 18.17 ppm m



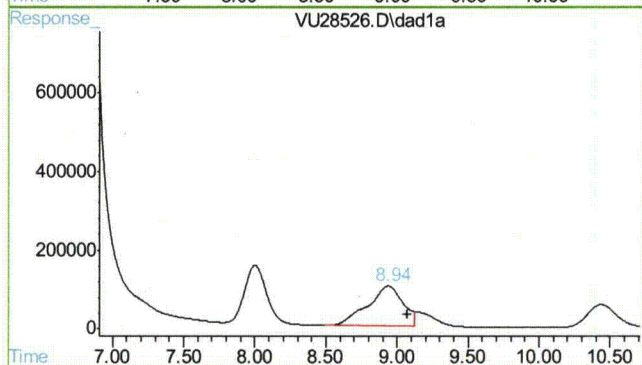
#1 Formaldehyde

R.T.: 8.001 min
Delta R.T.: -0.100 min
Response: 1631585
Conc: 17.89 ppm m



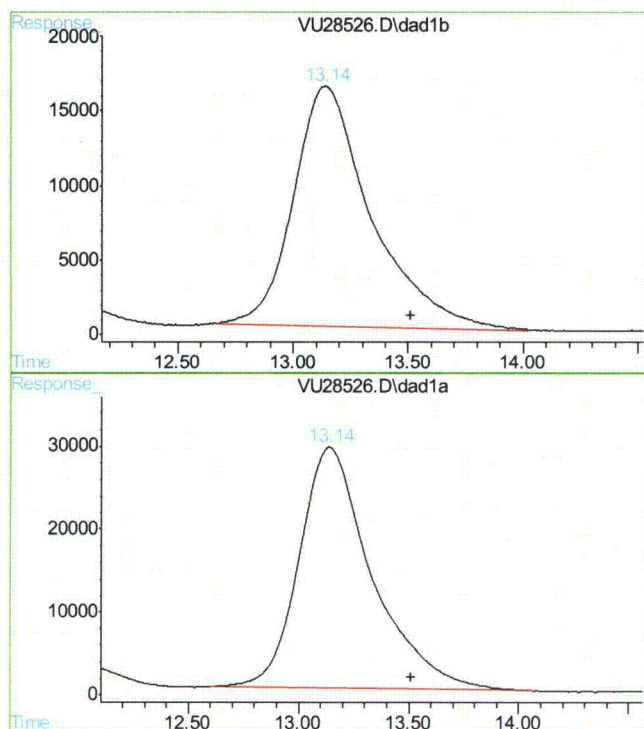
#2 Acetaldehyde

R.T.: 8.940 min
Delta R.T.: -0.145 min
Response: 863754
Conc: 16.27 ppm m



#2 Acetaldehyde

R.T.: 8.938 min
Delta R.T.: -0.137 min
Response: 1824010
Conc: 17.30 ppm m



#3 Butyraldehyde

R.T.: 13.140 min
Delta R.T.: -0.372 min
Response: 379274
Conc: 17.43 ug/ml m

#3 Butyraldehyde

R.T.: 13.138 min
Delta R.T.: -0.373 min
Response: 671378
Conc: 17.39 ug/ml m

17.6.15
17

Run Date: 7/6/10

Analyst Signature: CZ

sydex @ 12/1/2009, #182

218TP54

Column Information: 218TP54

Data Directory: 070610

Sequence File: 070610

Quantitation Methods: FM 070610

Instrument Run Batches: GVV-1253 (ic)

Data Acquisition Methods: F6040D Inj. Vol: 5 μ l

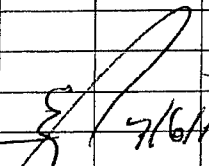
Standard Data

Lot #	Description	Conc

See explanation
of 21796

Date of ICAL: 7/6/10 ICAL Verified: Sample positions verified against sequence: ☒

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
1	V4-27922	Farm 100	PP21786	PP315FM	S	NA	Eg studs.
1	23	100	↓	↓	↓	↓	} OK.
2	24	50	↓	↓	↓	↓	
3	25	20	↓	↓	↓	↓	
4	26	10	↓	↓	↓	↓	
5	27	5	↓	↓	↓	↓	
6	28	1	↓	↓	↓	↓	icu; OK. Not needed.
7	29	✓ 50	↓	↓	↓	↓	
11	30	dp 21785-m6	qp 21785	↓	↓	↓	OK.
2	27931	Farm 50	↓	↓	↓	↓	

 7/6/10

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: _____ Lot: _____

Mobile Phase Solvent: Acetonitrile Lot: 904235 Solvent/DI Ratio (v:v): 60/40

Prep Date: 7/6/10 Exp. Date: 7/6/11

Review:

GC00308 (9/01/06)

50

17.7.1 17

HPLC Analysis Log - Extractables

Run Date: 10/21/10Analyst Signature: C2 hu

Vydac C18 150 Å #182

Standard Data

Lot #	Description	Conc

Column Information: 218 TP 54Data Directory: 102110Sequence File: 102110Quantitation Methods: FM 102110Instrument Run Batches: GVU-1288 (C1253)Data Acquisition Methods: F6400Inj. Vol: 5.0Date of ICAL: 7/6/10ICAL Verified: ☒Sample positions verified against sequence: ☒

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
91	W-28449	Form 20	9022883	CC8310 FM	✓	WA	OK
1	50	9022883-116		+ACAH			
2	51	-65					
3	52	-115					ACTO off
4	53	-115d					
5	54	JA58750-1					
6	55	-2					
7	56	-3					
8	57	-4					
9	58	-5					
10	59	-6					
91	60	Form 20					OK
11	61	JA58750-7					ACTO off
12	62	-8					
13	63	-9					ACTO off
14	64	-10					
15	65	-11					
16	66	-12					
17	67	-13					
18	68	-14					
19	69	-15					
20	70	-16					
91	71	Form 20					OK
21	72	JA58750-17					ACTO off
22	73	-18					

MTX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: _____

Lot: _____

Mobile Phase Solvent: Acetonitrile Lot: 904235 Solvent/DI Ratio (v:v): 60/40Prep Date: 10/21/10 Exp. Date: 10/21/11

Review: _____

GC00308 (9/01/06)

38

17.7.2 17

HPLC Analysis Log - Extractables

Run Date: 10/21/10 (cont'd)Analyst Signature: [Signature]

Standard Data

Lot #	Description	Conc

Column Information: _____

Data Directory: _____

Sequence File: _____

Quantitation Methods: _____

Instrument Run Batches: _____

Data Acquisition Methods: See previous page

Inj. Vol: _____

Date of ICAL: _____

ICAL Verified: _____

Sample positions verified against sequence: _____

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
23	VJ-28474	9022883-LB	9022883	LC8315 FM	S	20	
91	75	Form 20	✓	+ (KID)			OK
31	76	9022888-116	9022888				
32	77	↓ -65					
33	78	↓ -75					Acid off
34	79	↓ -75d					
35	80	JA58900-1					
36	81	↓ -2					
37	82	↓ -3					
38	83	↓ -4					
39	84	↓ -7					
40	85	↓ -8					
91	86	Form 20					OK
41	87	JA58900-9					Acid off
42	88	↓ -10					
43	89	↓ -11					
44	90	↓ -12					
45	91	↓ -14					
46	92	9022888-LB					
91	28493	Form 20	✓	✓	✓	✓	OK

ITX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: _____

Lot: _____

Mobile Phase Solvent: AcetonitrileLot: 904235Solvent/DI Ratio (v/v): 60/40

D.

Rep Date: 10/21/10Exp. Date: 10/21/11

Review: _____

100308 (9/01/06)

HPLC Analysis Log - Extractables

Run Date: 10/22/2010Analyst Signature: [Signature]

Standard Data		
Lot #	Description	Conc

Column Information: 218TP54
 Data Directory: 102210
 Sequence File: 102210
 Quantitation Methods: FM 102210

Instrument Run Batches: GVU-1289 (101253)Data Acquisition Methods: 8 F6040D Ini. Vol: 5 µlDate of ICAL: 7/6/10 ICAL Verified: ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
Q1	W-28494	Form 20	922983	LC8310 FM	S	MA	OK
3	95	9022980-115				5	1st injection for FM.
4	96	↓ -MSD					
5	97	JA58750-1					
6	98						
7	99						
8	28500						
9	01						
10	02						
91	03	Form 20				MA	OK
11	04	JA58750-2				5	
12	05						
13	06						
14	07						
15	08						
16	09						
17	10						
18	11						
19	12						
20	13						
91	14	Form 20				MA	OK
21	15	JA58750-17				10 SEC.	
22	16					15	
91	17	Form 20					
33	18	9022980-MS 9022989					

MTX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: Acetonitrile Lot: 904235Mobile Phase Solvent: Acetonitrile Lot: 904235 Solvent/DI Ratio (v/v): 60/40Prep Date: 10/22/10 Exp. Date: 10/22/11Review:

IC00308 (9/01/06)

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HPLC Analysis Log - Extractables

Run Date: 10/22/10 (Cont'd)Analyst Signature: [Signature]

Standard Data

Lot #	Description	Conc

Column Information: _____

Data Directory: _____

Sequence File: _____

Quantitation Methods: _____

Instrument Run Batches: _____

Data Acquisition Methods: See

Inj. Vol: _____

Date of ICAL: _____

ICAL Verified: _____

Sample positions verified against sequence: _____

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
34	W-28519	Q2299P-MSD	Q22999	10836 FM	S	5	
35	20	JA58900-1					
36	21						
37	22						
38	23					10	
39	24					5	
40	25					5	
41	26	Form 20				NA	OK
42	27	JA58900-9				5	
43	28						
44	29						
45	30						
46	31						
47							
48							
49							
50							
51							
52							
53							
54							
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86							
87							
88							
89							
90							
91	28532	Form 20				NA	OK

TX = Matrix: Designate W for water, S for soil, O for oil.

Dilution Solvent: AcetonitrileLot: 904235Mobile Phase Solvent: AcetonitrileLot: 904235Solvent/DI Ratio (v/v): 60/40Exp. Date: 10/22/10 Exp. Date: 10/22/11

Review: _____

300308 (9/01/06)

Accutest Laboratories of New England, Inc.

Extracted by: BJ
 Spike Witness: _____
 Concentrated by: AC
 Fractionated by: _____
 Extraction Method: SW846 3510E 8315

Date/Time: 10-18-10
 Date/Time: _____
 Batch: OP22983
 Matrix: Aqueous
 Analysis Method: LC8310 Form

Sample	Bottle No.	Initial Volume (ml)	Final Volume (ml)	pH	*Cleanup/Comments (3660B, 3630, 3665, other)	Received by: Date:
1 OP22983mb	NIA	500	1.4L	3	NIA	C2 10/21/10
2 L -bs	L					
3 -bsd						
4 JA58750-11-ms			1.4L			
5 -11-msd						
6 -1						
7 JA58750-2						
8 -3						
9 -4						
10 -5						
11 -6					the last portion of -10 got dissolved into -6	
12 -7						
13 -8						
14 -9						
15 -10					two shakes	
16 -11						
17 -12						
18 -13						
19 -14						
20 -15						
21 -16						
22 -17						
23 -18						
24 LB						
25						

Fraction	Lot #	Conc.	Vol. (ml)	H2SO4 Lot #
Surrogate: form	2nd 2 DO 5932	100% / 1	0.5 ml	MeCl2:
Surrogate:				Hexane:
Surrogate:				Acetone:
Surrogate:				Acetonitrile: B04 904235
Spike: form	1001 DO 5733	1.0 mg / 1	40 µL	Na Sulfate Lot #: B410
Spike:				Silica Lot #:
Spike:				SPE MEG/Lot #: B
Spike:				Copper:
	Filter Paper Lot #			Hydromatrix:
Form. Deriv. Oven in time:	Out time:			Florisil:

Water Bath Temp: 40°C

Reviewed by: _____

Tray #: USA

OP002-07 (2/18/10)

*Circle as applicable: 3660B = Cu cleanup; 3630 = Silica gel cleanup; 3665 = Acid cleanup

4



Misc. Forms

Custody Documents and Other Forms

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle



CHAIN OF CUSTODY

Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
908-329-0200 FAX: 908-329-3499/3480

Accutest Job #: JA58750
Accutest Quote #:

Client Information				Facility Information				Analytical Information							
Accutest				Project Name											
Name: 2235 Route 130				Bell Bend Power Plant, PA											
Address: Dayton NJ 08810				Location:											
City: Dayton State: NJ Zip: 08810				Project No.: JA58750											
Send Report to: Tammy McCloskey															
Phone #: (732) 329-0200 x364				FAX #: (732) 329-3499											
Field ID / Point of Collection		Collection		Matrix	# of bottles	Preservation				P8141SL					
		Date	Time			Sampled By	HCL	NaOH	HN03						H2SO4
-1		10/12/10	10:26	MH	Soil										
2		10/12/10	11:10	MH	Soil										
3		10/12/10	12:02	MH	Soil										
4		10/12/10	12:40	MH	Soil										
5		10/12/10	14:23	MH	Soil										
6		10/12/10	14:23	MH	Soil										
7		10/12/10	14:51	MH	Soil										
8		10/12/10	15:49	MH	Soil										
9		10/12/10	16:11	MH	Soil										
10		10/12/10	16:29	MH	Soil										
Turnaround Information				Data Deliverable Information				Comments / Remarks							
<input type="checkbox"/> 21 Day Standard				Approved By:				<input type="checkbox"/> NJ Reduced				<input type="checkbox"/> Commercial "A"			
<input type="checkbox"/> 14 Day								<input checked="" type="checkbox"/> NJ Full				<input type="checkbox"/> Commercial "B"			
<input type="checkbox"/> 7 Days EMERGENCY								<input type="checkbox"/> FULL CLP				<input type="checkbox"/> State Forms			
<input checked="" type="checkbox"/> Other 21 (Days)								<input type="checkbox"/> Disk Deliverable							
21 Day Turnaround Hardcopy, Emergency or RUSH is FAX								<input type="checkbox"/> Other (Specify)							
Data unless previously approved.															
Sample Custody must be documented below each time samples change possession, including courier delivery.															
Relinquished By Sampler:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:			
1		10/12/10 17:00		1		FX		2		10-15-10		2 J. Come (ALSC)		09:20	
Relinquished By Sampler:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:			
3				3				4				4			
Relinquished By Sampler:		Date Time:		Received By:		Date Time:		Seal #		Preserved where applicable		On Ice			
5				5						<input type="checkbox"/>		<input type="checkbox"/>		4.8	

JA58750: Chain of Custody
Page 1 of 3
Accutest Laboratories Southeast, Inc.

18.1
18



Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, NJ 08810
908-329-0200 FAX: 908-329-3499/3480

Accutest Job #: JA58750

Accutest Quote #:

Client Information				Facility Information				Analytical Information			
Accutest ame 2235 Route 130 ddress Dayton NJ 08810 ity Tammy McCloskey end Report to: hone #: (732) 329-0200				Project Name Bell Bend Power Plant, PA Location Project No. JA58750 FAX #: (732) 329-3499				P8141SL			
Field ID / Point of Collection		Date	Time	Sampled By	Matrix	# of bottles	Preservation				
							AC	MeOH	HNO3	H2SO4	None
11, 11D, 11S		10/13/10	8:25	MH	Soil						X
12		10/13/10	8:55	MH	Soil						X
13		10/13/10	9:25	MH	Soil						X
14		10/13/10	10:01	MH	Soil						X
15		10/13/10	10:25	MH	Soil						X
16		10/13/10	11:15	MH	Soil						X
17		10/13/10	11:58	MH	Soil						X
18		10/13/10	11:15	MH	Soil						X
Turnaround Information				Data Deliverable Information				Comments / Remarks			
<input type="checkbox"/> 21 Day Standard <input type="checkbox"/> 14 Day <input type="checkbox"/> 7 Days EMERGENCY <input checked="" type="checkbox"/> Other 21 (Days) 21 Day Turnaround Hardcopy, Emergency or RUSH is FAX Data unless previously approved.				Approved By: _____ <input type="checkbox"/> NJ Reduced <input checked="" type="checkbox"/> NJ Full <input type="checkbox"/> FULL CLP <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other (Specify) _____				<input type="checkbox"/> Commercial "A" <input type="checkbox"/> Commercial "B" <input type="checkbox"/> State Forms			
Sample Custody must be documented below each time samples change possession, including courier delivery.											
Relinquished by Sampler: 1		Date Time: 10/14/10 17:00		Received By: 1 [Signature] EX		Relinquished By: 2 [Signature] EX		Date Time: 10-13-10		Received By: 2 J. [Signature]	
Relinquished by Sampler: 3		Date Time:		Received By: 3		Relinquished By: 4		Date Time:		Received By: 4	
Relinquished by Sampler: 5		Date Time:		Received By: 5		Seals		Preserved where applicable		On Ice	

JA58750: Chain of Custody
Page 2 of 3

18.1 18

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: JA58750 CLIENT: ALNT PROJECT: BEILBEND POWER
 DATE/TIME RECEIVED: 10-15-10 09:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1
 METHOD OF DELIVERY: FEDEx UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: 97665240 2897

COOLER INFORMATION

- ☐ CUSTODY SEAL NOT PRESENT OR NOT INTACT
- ☐ CHAIN OF CUSTODY NOT RECEIVED (COC)
- ☐ ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- ☐ SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- ☐ TEMPERATURE CRITERIA NOT MET
- ☐ WET ICE PRESENT

TRIP BLANK INFORMATION

- ☐ TRIP BLANK PROVIDED
- ☒ TRIP BLANK NOT PROVIDED
- ☒ TRIP BLANK NOT ON COC
- ☐ TRIP BLANK INTACT
- ☐ TRIP BLANK NOT INTACT
- ☐ RECEIVED WATER TRIP BLANK
- ☐ RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? _____
 NUMBER OF 5035 FIELD KITS ? _____
 NUMBER OR LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- ☐ IR THERM ID 3 CORR. FACTOR +0.6
- ☐ OBSERVED TEMPS: 4.2
- ☐ CORRECTED TEMPS: 4.3

SAMPLE INFORMATION

- ☐ SAMPLE LABELS PRESENT ON ALL BOTTLES
- ☐ INCORRECT NUMBER OF CONTAINERS USED
- ☐ SAMPLE RECEIVED IMPROPERLY PRESERVED
- ☐ INSUFFICIENT VOLUME FOR ANALYSIS
- ☐ DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ☐ ID'S ON COC DO NOT MATCH LABEL
- ☐ VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- ☐ BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- ☐ NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- ☐ UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- ☐ SAMPLE CONTAINER(S) RECEIVED BROKEN
- ☐ % SOLIDS JAR NOT RECEIVED
- ☐ 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- ☐ RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: _____

TECHNICIAN SIGNATURE/DATE JE 10-15-10 REVIEWER SIGNATURE/DATE ET 10/15/10

NF 10/09

RECEIPT CONFIRMATION 100609 (2).xls

JA58750: Chain of Custody

Page 3 of 3

Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JA58750

ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-1	Collected: 12-OCT-10 10:26	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW1-C						
JA58750-1	SW846 8141B	20-OCT-10 10:22	NMC	19-OCT-10	AJC	P8141SL
JA58750-2	Collected: 12-OCT-10 10:10	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW2-C						
JA58750-2	SW846 8141B	20-OCT-10 10:57	NMC	19-OCT-10	AJC	P8141SL
JA58750-3	Collected: 12-OCT-10 12:02	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW3-C						
JA58750-3	SW846 8141B	20-OCT-10 11:26	NMC	19-OCT-10	AJC	P8141SL
JA58750-4	Collected: 12-OCT-10 12:40	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW6-C						
JA58750-4	SW846 8141B	20-OCT-10 11:55	NMC	19-OCT-10	AJC	P8141SL
JA58750-5	Collected: 12-OCT-10 14:23	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW9-C						
JA58750-5	SW846 8141B	20-OCT-10 12:25	NMC	19-OCT-10	AJC	P8141SL
JA58750-6	Collected: 12-OCT-10 14:23	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW9-FD						
JA58750-6	SW846 8141B	20-OCT-10 12:54	NMC	19-OCT-10	AJC	P8141SL
JA58750-7	Collected: 12-OCT-10 14:51	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW12-C						
JA58750-7	SW846 8141B	20-OCT-10 13:23	NMC	19-OCT-10	AJC	P8141SL
JA58750-8	Collected: 12-OCT-10 15:49	By: MH	Received: 13-OCT-10	By: JC		
BBNP-CW15-C						
JA58750-8	SW846 8141B	20-OCT-10 13:53	NMC	19-OCT-10	AJC	P8141SL

Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JA58750

ENSRMAA: Bell Bend Nuclear Power Plant, Salem Townwhip, PA
 Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA58750-9 Collected: 12-OCT-10 16:11 By: MH Received: 13-OCT-10 By: JC BBNP-CW18-C						
JA58750-9	SW846 8141B	20-OCT-10 15:21	NMC	19-OCT-10	AJC	P8141SL
JA58750-10 Collected: 12-OCT-10 16:29 By: MH Received: 13-OCT-10 By: JC BBNP-CW21-C						
JA58750-10	SW846 8141B	20-OCT-10 15:50	NMC	19-OCT-10	AJC	P8141SL
JA58750-11 Collected: 13-OCT-10 08:25 By: MH Received: 13-OCT-10 By: JC BBNP-CW5-C						
JA58750-11	SW846 8141B	20-OCT-10 16:20	NMC	19-OCT-10	AJC	P8141SL
JA58750-12 Collected: 13-OCT-10 08:55 By: MH Received: 13-OCT-10 By: JC BBNP-CW8-C						
JA58750-12	SW846 8141B	20-OCT-10 17:48	NMC	19-OCT-10	AJC	P8141SL
JA58750-13 Collected: 13-OCT-10 09:25 By: MH Received: 13-OCT-10 By: JC BBNP-CW11-C						
JA58750-13	SW846 8141B	20-OCT-10 18:18	NMC	19-OCT-10	AJC	P8141SL
JA58750-14 Collected: 13-OCT-10 10:01 By: MH Received: 13-OCT-10 By: JC BBNP-CW14-C						
JA58750-14	SW846 8141B	20-OCT-10 18:47	NMC	19-OCT-10	AJC	P8141SL
JA58750-15 Collected: 13-OCT-10 10:25 By: MH Received: 13-OCT-10 By: JC BBNP-CW17-C						
JA58750-15	SW846 8141B	20-OCT-10 19:16	NMC	19-OCT-10	AJC	P8141SL
JA58750-16 Collected: 13-OCT-10 11:15 By: MH Received: 13-OCT-10 By: JC BBNP-CW20-C						
JA58750-16	SW846 8141B	20-OCT-10 19:46	NMC	19-OCT-10	AJC	P8141SL

Internal Sample Tracking Chronicle

Accutest New Jersey

Job No: JA58750

ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA
Project No: 60160208

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
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JA58750-17 Collected: 13-OCT-10 11:58 By: MH Received: 13-OCT-10 By: JC
BBNP-CW23-C

JA58750-17 SW846 8141B 20-OCT-10 21:14 NMC 19-OCT-10 AJC P8141SL

JA58750-18 Collected: 13-OCT-10 11:15 By: MH Received: 13-OCT-10 By: JC
BBNP-CW20-C-FD

JA58750-18 SW846 8141B 20-OCT-10 21:43 NMC 19-OCT-10 AJC P8141SL



GC Semi-volatiles

QC Data Summaries

(Accutest Laboratories Southeast, Inc.)

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Page 1 of 1

Job Number: JA58750**Account:** ALNJ Accutest New Jersey**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34745-MB	ZZ11416.D	1	10/20/10	NMC	10/19/10	OP34745	GZZ438

The QC reported here applies to the following samples:**Method:** SW846 8141B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Result	RL	MDL	Units	Q
2921-88-2	Chlorpyrifos	ND	67	17	ug/kg	
333-41-5	Diazinon	ND	67	17	ug/kg	
62-73-7	Dichlorvos	ND	67	17	ug/kg	
60-51-5	Dimethoate	ND	67	17	ug/kg	
298-04-4	Disulfoton	ND	67	33	ug/kg	
56-38-2	Ethyl Parathion	ND	67	17	ug/kg	
121-75-5	Malathion	ND	67	17	ug/kg	
298-00-0	Methyl Parathion	ND	67	17	ug/kg	
298-02-2	Phorate	ND	67	17	ug/kg	
299-84-3	Ronnel	ND	67	17	ug/kg	
3689-24-5	Sulfotep	ND	67	17	ug/kg	

CAS No.	Surrogate Recoveries	Limits
115-86-6	Triphenyl phosphate	106% 48-133%

19.1.1
19

Blank Spike Summary

Page 1 of 1

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34745-BS	ZZ11415.D	1	10/20/10	NMC	10/19/10	OP34745	GZZ438

The QC reported here applies to the following samples:

Method: SW846 8141B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
2921-88-2	Chlorpyrifos	167	201	121*	51-119
333-41-5	Diazinon	167	192	115	50-120
62-73-7	Dichlorvos	167	112	67	47-102
298-04-4	Disulfoton	167	172	103	33-107
298-00-0	Methyl Parathion	167	203	122	57-128
298-02-2	Phorate	167	187	112	53-114
299-84-3	Ronnel	167	199	119	53-120

CAS No.	Surrogate Recoveries	BSP	Limits
115-86-6	Triphenyl phosphate	106%	48-133%

19.2.1

19

Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: JA58750**Account:** ALNJ Accutest New Jersey**Project:** ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP34745-MS	ZZ11430.D	1	10/20/10	NMC	10/19/10	OP34745	GZZ438
OP34745-MSD	ZZ11431.D	1	10/20/10	NMC	10/19/10	OP34745	GZZ438
JA58750-11	ZZ11429.D	1	10/20/10	NMC	10/19/10	OP34745	GZZ438

The QC reported here applies to the following samples:**Method:** SW846 8141B

JA58750-1, JA58750-2, JA58750-3, JA58750-4, JA58750-5, JA58750-6, JA58750-7, JA58750-8, JA58750-9, JA58750-10, JA58750-11, JA58750-12, JA58750-13, JA58750-14, JA58750-15, JA58750-16, JA58750-17, JA58750-18

CAS No.	Compound	JA58750-11 ug/kg	Spike Q	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
2921-88-2	Chlorpyrifos	ND	200	195	98	230	116	16	51-119/30
333-41-5	Diazinon	ND	200	197	99	227	114	14	50-120/30
62-73-7	Dichlorvos	ND	200	110	55	129	65	16	47-102/30
298-04-4	Disulfoton	ND	200	179	90	209	105	15	33-107/30
298-00-0	Methyl Parathion	ND	200	199	100	246	124	21	57-128/30
298-02-2	Phorate	ND	200	169	85	212	107	23	53-114/30
299-84-3	Ronnel	ND	200	190	95	227	114	18	53-120/30

CAS No.	Surrogate Recoveries	MS	MSD	JA58750-11	Limits
115-86-6	Triphenyl phosphate	90%	114%	111%	48-133%

19.3.1

19

Semivolatile Surrogate Recovery Summary

Page 1 of 1

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Method: SW846 8141B

Matrix: SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 ^a
JA58750-1	ZZ11417.D	109.0
JA58750-2	ZZ11418.D	98.0
JA58750-3	ZZ11419.D	116.0
JA58750-4	ZZ11420.D	104.0
JA58750-5	ZZ11421.D	105.0
JA58750-6	ZZ11422.D	93.0
JA58750-7	ZZ11423.D	97.0
JA58750-8	ZZ11424.D	111.0
JA58750-9	ZZ11427.D	101.0
JA58750-10	ZZ11428.D	106.0
JA58750-11	ZZ11429.D	111.0
JA58750-12	ZZ11432.D	113.0
JA58750-13	ZZ11433.D	111.0
JA58750-14	ZZ11434.D	92.0
JA58750-15	ZZ11435.D	113.0
JA58750-16	ZZ11436.D	108.0
JA58750-17	ZZ11439.D	95.0
JA58750-18	ZZ11440.D	115.0
OP34745-BS	ZZ11415.D	106.0
OP34745-MB	ZZ11416.D	106.0
OP34745-MS	ZZ11430.D	90.0
OP34745-MSD	ZZ11431.D	114.0

Surrogate Compounds	Recovery Limits
------------------------	--------------------

S1 = Triphenyl phosphate	48-133%
--------------------------	---------

(a) Recovery from GC signal #1

19.4.1

19

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GZZ438-CC437

Injection Date: 10/20/10

Lab File ID: ZZ11413.D

Injection Time: 08:07

Instrument ID: GCZZ

Method: SW846 8141B

S1^a
RT

Check Std	20.13
-----------	-------

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
OP34745-BS	ZZ11415.D	10/20/10	09:23	20.13
OP34745-MB	ZZ11416.D	10/20/10	09:53	20.13
JA58750-1	ZZ11417.D	10/20/10	10:22	20.13
JA58750-2	ZZ11418.D	10/20/10	10:57	20.13
JA58750-3	ZZ11419.D	10/20/10	11:26	20.13
JA58750-4	ZZ11420.D	10/20/10	11:55	20.13
JA58750-5	ZZ11421.D	10/20/10	12:25	20.13
JA58750-6	ZZ11422.D	10/20/10	12:54	20.13
JA58750-7	ZZ11423.D	10/20/10	13:23	20.13
JA58750-8	ZZ11424.D	10/20/10	13:53	20.13

Surrogate Compounds

S1 = Triphenyl phosphate

(a) Retention time from GC signal #1

19.5.1
19

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GZZ438-CC437

Injection Date: 10/20/10

Lab File ID: ZZ11425.D

Injection Time: 14:22

Instrument ID: GCZZ

Method: SW846 8141B

S1^a
RT

Check Std	20.13
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT
JA58750-9	ZZ11427.D	10/20/10	15:21	20.13
JA58750-10	ZZ11428.D	10/20/10	15:50	20.13
JA58750-11	ZZ11429.D	10/20/10	16:20	20.13
OP34745-MS	ZZ11430.D	10/20/10	16:49	20.13
OP34745-MSD	ZZ11431.D	10/20/10	17:19	20.13
JA58750-12	ZZ11432.D	10/20/10	17:48	20.13
JA58750-13	ZZ11433.D	10/20/10	18:18	20.13
JA58750-14	ZZ11434.D	10/20/10	18:47	20.13
JA58750-15	ZZ11435.D	10/20/10	19:16	20.13
JA58750-16	ZZ11436.D	10/20/10	19:46	20.13

Surrogate Compounds

S1 = Triphenyl phosphate

(a) Retention time from GC signal #1

19.5.2
19

GC Surrogate Retention Time Summary

Page 1 of 1

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Check Std: GZZ438-CC437

Injection Date: 10/20/10

Lab File ID: ZZ11437.D

Injection Time: 20:15

Instrument ID: GCZZ

Method: SW846 8141B

S1^a **S1^b**
RT **RT**

Check Std	20.13	19.80
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Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 ^a RT	S1 ^b RT
JA58750-17	ZZ11439.D	10/20/10	21:14	20.13	
JA58750-18	ZZ11440.D	10/20/10	21:43	20.13	
GZZ438-ECC437	ZZ11441.D	10/20/10	22:13	20.13	19.80

Surrogate Compounds

S1 = Triphenyl phosphate

(a) Retention time from GC signal #1

(b) Retention time from GC signal #2

19.5.3
19

Initial Calibration Summary

Page 1 of 4

Job Number: JA58750

Sample: GZZ437-ICC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11406.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Response Factor Report FPD 1

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
 Title : Organophosphorus Pesticides by 8141
 Last Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration

Calibration Files

50 =ZZ11403.D 100 =ZZ11404.D 200 =ZZ11405.D 400 =ZZ11406.D
 600 =ZZ11407.D 800 =ZZ11408.D 1000=ZZ11409.D

Compound	50	100	200	400	600	800	1000	Avg	%RSD
1) O,O,O-Triethylpho	2.538	2.568	2.645	2.599	2.672	2.680	2.776	2.640	E5 3.03
2) Dichlorvos	3.069	2.968	3.226	3.110	2.987	3.020	3.114	3.070	E5 2.90
3) Mevinphos	0.917	1.085	1.046	1.280	1.341	1.414	1.489	1.225	E5 17.26
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996									
Response Ratio = 0.00000 + 108657.94455 *A + 40.65342 *A^2									
4) TEPP	0.052	0.389	0.607	0.941	0.973	1.323	0.714	E5 64.02	
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9915									
Response Ratio = 0.00000 + 15769.69867 *A + 28.44456 *A^2									
5) Demeton-S	2.358	2.889	3.464	3.301	3.372	3.570	3.759	3.245	E4 14.62
---- Linear regr., Force(0,0) ---- Coefficient = 0.9966									
Response Ratio = 0.00000 + 35976.25775 *A									
6) Thionazin	1.246	1.253	1.380	1.327	1.389	1.392	1.562	1.364	E5 7.82
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9977									
Response Ratio = 0.00000 + 115692.07937 *A + 37.54264 *A^2									
7) Ethoprop	1.175	1.251	1.307	1.227	1.244	1.277	1.356	1.262	E5 4.61
8) Sulfotep	2.175	2.275	2.407	2.232	2.353	2.328	2.622	2.342	E5 6.22
9) Naled	2.506	3.477	5.181	5.476	6.962	7.387	8.111	5.586	E4 37.00
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9986									
Response Ratio = 0.00000 + 43148.84138 *A + 9.60908 *A^2									
10) Phorate	1.164	1.269	1.336	1.230	1.282	1.310	1.412	1.286	E5 6.14
11) Monocrotophos	1.600	3.071	5.285	5.287	6.991	7.018	9.445	5.528	E4 47.45
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9903									
Response Ratio = 0.00000 + 26596.32210 *A + 16.18560 *A^2									
12) Demeton-O	1.343	1.175	1.111	0.924	0.990	0.990	1.052	1.084	E5 13.07
---- Linear regr., Force(0,0) ---- Coefficient = 0.9949									
Response Ratio = 0.00000 + 101694.72307 *A									
13) Dimethoate	0.726	0.868	1.094	1.058	1.210	1.193	1.420	1.081	E5 21.21
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9955									
Response Ratio = 0.00000 + 83470.68376 *A + 55.29255 *A^2									
14) Diazinon	1.328	1.254	1.337	1.217	1.258	1.292	1.382	1.295	E5 4.41
15) Disulfoton	1.189	1.218	1.284	1.185	1.211	1.233	1.346	1.238	E5 4.68
16) Ronnel	1.150	1.068	1.172	1.112	1.137	1.173	1.282	1.156	E5 5.77
17) Methyl Parathion	1.157	1.084	1.233	1.153	1.222	1.271	1.402	1.217	E5 8.41
18) Malathion	0.890	0.926	1.025	0.975	1.005	1.005	1.171	1.000	E5 8.96
19) Chlorpyrifos	0.971	1.020	1.115	1.024	1.051	1.090	1.211	1.069	E5 7.36
20) Fenthion	1.353	1.416	1.543	1.402	1.450	1.500	1.688	1.479	E5 7.54
21) Trichloronate	1.048	1.086	1.150	1.076	1.090	1.119	1.237	1.115	E5 5.61
22) Ethyl Parathion	1.084	1.232	1.364	1.240	1.306	1.305	1.538	1.296	E5 10.70
23) Merphos	5.213	6.686	7.404	7.345	7.484	7.752	8.546	7.204	E4 14.42

19.6.1 19

Initial Calibration Summary

Page 2 of 4

Job Number: JA58750

Sample: GZZ437-ICC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11406.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

----- Linear regression ----- Coefficient = 0.9936
Response Ratio = -10960051.77782 + 84140.64020 *A

24) Stirophos 0.689 0.742 0.850 0.829 0.887 0.923 1.082 0.858 E5 14.91
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9968
Response Ratio = 0.00000 + 63752.64188 *A + 42.04652 *A^2

25) Tokuthion 0.977 0.816 0.888 0.847 0.854 0.898 1.002 0.897 E5 7.65
26) Merphos Oxone 6.367 6.569 6.875 6.403 6.403 6.679 7.292 6.655 E4 5.03
27) Ethion 1.427 1.471 1.648 1.622 1.693 1.690 2.027 1.654 E5 11.79
28) Fensulfothion 4.532 6.467 4.953 7.049 6.890 5.978 E4 19.36
29) Bolstar 0.784 0.780 0.872 0.829 0.857 0.878 1.011 0.859 E5 9.08
30) Carbophenothion 0.739 0.778 0.839 0.777 0.827 0.821 1.001 0.826 E5 10.25
31) Famphur 0.681 0.808 0.897 0.760 0.929 0.908 1.146 0.876 E5 17.02
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9906
Response Ratio = 0.00000 + 56996.16888 *A + 53.74536 *A^2

32)S Triphenylphosphat 7.618 7.852 8.541 7.028 8.251 8.278 9.779 8.192 E4 10.51
33) EPN 6.478 7.608 7.714 6.112 7.689 7.501 9.099 7.457 E4 12.96
34) Methyl Azinphos 4.351 5.561 3.662 5.987 5.731 5.058 E4 19.82
35) Coumaphos 4.754 4.169 5.550 3.229 5.630 5.054 4.731 E4 19.27

Signal #2

1) O,O,O-Triethylpho 3.654 3.733 4.087 4.044 4.206 4.212 4.397 4.048 E5 6.61
2) Dichlorvos 5.191 4.987 4.977 5.157 4.824 4.883 5.069 5.013 E5 2.70
3) Mevinphos 1.576 1.900 1.863 2.184 2.319 2.491 2.669 2.143 E5 17.96
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9999
Response Ratio = 0.00000 + 179140.73088 *A + 87.78491 *A^2

4) TEPP 0.397 0.937 1.536 1.612 2.243 1.345 E5 52.31
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9890
Response Ratio = 0.00000 + 10445.62979 *A + 52.27767 *A^2

5) Demeton-S 6.896 7.048 6.919 6.564 7.974 7.751 8.642 7.399 E4 10.03
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9970
Response Ratio = 0.00000 + 60206.76318 *A + 25.36101 *A^2

6) Thionazin 1.766 1.879 2.188 2.260 2.456 2.412 2.705 2.238 E5 14.72
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9979
Response Ratio = 0.00000 + 195100.92631 *A + 71.55693 *A^2

7) Ethoprop 1.430 1.561 1.862 2.123 2.214 2.366 2.668 2.032 E5 21.74
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9990
Response Ratio = 0.00000 + 160242.86396 *A + 103.67564 *A^2

8) Sulfotep 3.569 4.260 5.192 5.478 5.493 5.264 5.812 5.010 E5 15.95
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9968
Response Ratio = 0.00000 + 488966.88473 *A + 81.91891 *A^2

9) Naled 0.424 0.617 0.891 0.969 1.181 1.233 1.337 0.950 E5 35.28
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9987
Response Ratio = 0.00000 + 79399.03862 *A + 13.77091 *A^2

10) Phorate 1.882 2.145 2.370 2.611 2.694 2.716 2.908 2.475 E5 14.60
----- Linear regr., Force(0,0) ----- Coefficient = 0.9976
Response Ratio = 0.00000 + 278166.10505 *A

11) Monocrotophos 0.192 0.415 0.757 0.866 1.354 0.717 E5 62.27
----- Quadratic regr., Force(0,0) ----- Coefficient = 0.9856

19.6.1
19

Initial Calibration Summary

Page 3 of 4

Job Number: JA58750

Sample: GZZ437-ICC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11406.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Response Ratio = 0.00000 + -23412.31073 *A + 38.47697 *A^2										
12)	Demeton-O	0.375	0.865	1.183	1.215	1.316	1.345	1.439	1.105 E5	33.49
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9990								
		Response Ratio = 0.00000 + 106139.87652 *A + 37.56922 *A^2								
13)	Dimethoate	1.767	1.764	2.200	2.443	2.574	2.632	3.252	2.376 E5	22.09
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9940								
		Response Ratio = 0.00000 + 165213.54956 *A + 150.39669 *A^2								
14)	Diazinon	1.945	1.835	2.026	2.024	2.071	2.099	2.318	2.045 E5	7.2
15)	Disulfoton	1.855	1.904	2.059	2.095	2.246	2.319	2.583	2.151 E5	11.76
16)	Ronnel	1.578	1.586	1.913	1.887	2.028	2.057	2.374	1.918 E5	14.53
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9972								
		Response Ratio = 0.00000 + 152674.97913 *A + 79.97705 *A^2								
17)	Methyl Parathion	1.550	1.691	1.868	1.855	1.946	1.990	2.211	1.873 E5	11.34
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9986								
		Response Ratio = 0.00000 + 158710.60584 *A + 59.16239 *A^2								
18)	Malathion	1.426	1.346	1.688	1.793	1.909	1.888	2.259	1.758 E5	17.64
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9949								
		Response Ratio = 0.00000 + 136919.51581 *A + 83.08612 *A^2								
19)	Chlorpyrifos	3.066	3.263	3.667	3.673	3.861	3.867	4.424	3.689 E5	11.98
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9971								
		Response Ratio = 0.00000 + 306051.52285 *A + 127.25019 *A^2								
20)	Fenthion	1.917	1.988	2.305	2.324	2.429	2.504	2.831	2.328 E5	13.34
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9982								
		Response Ratio = 0.00000 + 190446.00240 *A + 87.89832 *A^2								
21)	Trichloronate	1.774	1.908	2.049	1.981	2.005	2.088	2.303	2.015 E5	8.10
22)	Ethyl Parathion	3.066	3.263	3.667	3.673	3.861	3.867	4.424	3.689 E5	11.98
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9971								
		Response Ratio = 0.00000 + 306051.52285 *A + 127.25019 *A^2								
23)	Merphos	1.213	1.455	1.690	1.746	1.780	1.851	2.046	1.683 E5	16.20
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9987								
		Response Ratio = 0.00000 + 145462.45379 *A + 14.11788 *A^2								
24)	Stirophos	0.728	0.805	1.157	1.245	1.376	1.441	1.714	1.210 E5	28.94
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9972								
		Response Ratio = 0.00000 + 86838.72993 *A + 81.39323 *A^2								
25)	Tokuthion	1.607	1.606	1.792	1.788	1.797	1.896	2.130	1.802 E5	9.96
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9979								
		Response Ratio = 0.00000 + 145887.93338 *A + 63.32152 *A^2								
26)	Merphos Oxone	0.392	0.458	0.558	0.863	0.917	1.094	1.291	0.796 E5	42.52
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9986								
		Response Ratio = 0.00000 + 43648.55244 *A + 84.46204 *A^2								
27)	Ethion	1.989	2.157	2.780	2.913	3.115	3.174	3.875	2.858 E5	22.39
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9946								
		Response Ratio = 0.00000 + 205800.95950 *A + 170.90504 *A^2								
28)	Fensulfothion	0.225	0.282	0.781	0.641	1.046	1.115	1.462	0.793 E5	56.91
	---- Quadratic regr., Force(0,0) ----	Coefficient = 0.9929								
		Response Ratio = 0.00000 + 26363.36667 *A + 116.93024 *A^2								

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Initial Calibration Summary

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Job Number: JA58750

Sample: GZZ437-ICC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11406.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

29) Bolstar 1.250 1.313 1.555 1.615 1.722 1.797 2.139 1.627 E5 18.53
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9966
Response Ratio = 0.00000 + 117287.49645 *A + 91.67747 *A^2

30) Carbophenothion 1.116 1.202 1.436 1.440 1.557 1.571 2.033 1.479 E5 20.15
---- Quadratic regression ---- Coefficient = 0.9906
Response Ratio = 5309926.82099 + 70400.79887 *A + 120.82961 *A^2

31) Famphur 0.793 0.993 1.332 1.241 1.544 1.538 1.978 1.346 E5 29.07
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9918
Response Ratio = 0.00000 + 80479.20788 *A + 111.14689 *A^2

32)S Triphenylphosphat 1.292 2.360 2.313 2.609 3.006 3.406 4.286 2.753 E4 34.28
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9965
Response Ratio = 0.00000 + 13347.56356 *A + 28.49057 *A^2

33) EPN 0.907 0.912 1.183 1.004 1.359 1.315 1.641 1.189 E5 22.79
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9917
Response Ratio = 0.00000 + 75423.75212 *A + 84.52736 *A^2

34) Methyl Azinphos 0.437 0.701 0.935 0.693 1.135 1.137 1.447 0.926 E5 36.96
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9902
Response Ratio = 0.00000 + 45385.64003 *A + 96.33467 *A^2

35) Coumaphos 0.531 0.665 0.851 0.517 0.936 0.980 1.214 0.814 E5 31.52
---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9889
Response Ratio = 0.00000 + 36025.86042 *A + 83.64262 *A^2

(#) = Out of Range

8141-1013.m

Thu Oct 14 06:55:57 2010

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Initial Calibration Verification

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Job Number: JA58750

Sample: GZZ437-ICV437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11410.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\101310\ZZ11410.D\FPD1A.CH Vial: 9
Signal #2 : C:\msdchem\2\DATA\101310\ZZ11410.D\FPD2B.CH
Acq On : 13-Oct-10, 12:00:01 Operator: neilc1
Sample : icv437-400 Inst : FPD 1
Misc : op34573,gzz437,1050,,,10,1,water Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
Title : Organophosphorus Pesticides by 8141
Last Update : Wed Oct 13 12:01:02 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	O,O,O-Triethylphosphor	400.000	358.439	10.4	91	0.01	6.93- 7.13
2	Dichlorvos	400.000	369.314	7.7	91	0.00	8.14- 8.34
	-----	Amount	Calc.	%Drift	-----		
3	Mevinphos	400.000	450.949	-12.7	112	0.00	10.31-10.51
4	TEPP	1600.000	2026.900	-26.7#	153	0.00	11.60-12.10
5	Demeton-S	400.000	488.013	-22.0#	133	0.00	12.11-12.31
6	Thionazin	400.000	451.679	-12.9	113	0.00	12.15-12.35
	-----	Amount	Calc.	%Drift	-----		
7	Ethoprop	400.000	391.092	2.2	101	0.00	12.40-12.60
8	Sulfotep	400.000	499.314	-24.8#	131	0.00	12.70-12.90
	-----	Amount	Calc.	%Drift	-----		
9	Naled	1600.000	1897.897	-18.6	133	0.00	12.77-12.97
	-----	Amount	Calc.	%Drift	-----		
10	Phorate	400.000	424.898	-6.2	111	0.00	13.01-13.21
	-----	Amount	Calc.	%Drift	-----		
11	Monocrotophos	1600.000	1829.487	-14.3	122	0.00	13.21-13.61
12	Demeton-O	400.000	386.811	3.3	106	0.00	13.45-13.65
13	Dimethoate	400.000	478.325	-19.6	124	0.00	13.78-13.98
	-----	Amount	Calc.	%Drift	-----		
14	Diazinon	400.000	445.753	-11.4	119	0.00	13.89-14.09
15	Disulfoton	400.000	426.419	-6.6	111	0.00	14.23-14.43
16	Ronnel	400.000	453.992	-13.5	118	0.00	15.37-15.57
17	Methyl Parathion	400.000	441.610	-10.4	117	0.00	15.46-15.66
18	Malathion	400.000	458.305	-14.6	118	0.00	15.85-16.05
19	Chlorpyrifos	400.000	454.205	-13.6	118	0.00	15.98-16.18
20	Fenthion	400.000	332.969	16.8	88	0.00	16.20-16.40
21	Trichloronate	400.000	437.069	-9.3	113	0.00	16.27-16.47
22	Ethyl Parathion	400.000	463.914	-16.0	121	0.00	16.35-16.55
23	Merphos	1600.000	824.527	48.5#	50	0.00	16.65-16.85
	-----	Amount	Calc.	%Drift	-----		
24	Stirophos	400.000	445.488	-11.4	111	0.00	17.61-17.81
	-----	Amount	Calc.	%Drift	-----		
25	Tokuthion	400.000	425.814	-6.5	113	0.00	17.86-18.06

Initial Calibration Verification

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Job Number: JA58750

Sample: GZZ437-ICV437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11410.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	400.000	1269.810	-217.5#	330	0.00	17.61-18.61
27	Ethion	400.000	417.590	-4.4	106	0.00	18.90-19.10
28	Fensulfothion	400.000	480.833	-20.2#	145	0.00	19.16-19.36
29	Bolstar	400.000	442.808	-10.7	115	0.00	19.32-19.52
30	Carbophenothion	400.000	420.847	-5.2	112	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	400.000	459.227	-14.8	123	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	400.000	616.343	-54.1#	180	0.00	20.03-20.23
33	EPN	400.000	535.281	-33.8#	163	0.00	20.61-20.81
34	Methyl Azinphos	400.000	547.430	-36.9#	189	0.00	21.23-21.43
35	Coumaphos	400.000	464.144	-16.0	170	0.00	22.00-22.20

***** Signal #2 *****

1	O,O,O-Triethylphosphor	400.000	373.130	6.7	93	0.00	7.31- 7.51
2	Dichlorvos	400.000	359.464	10.1	87	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	400.000	433.070	-8.3	108	0.00	10.36-10.56
4	TEPP	1600.000	1976.191	-23.5#	150	0.00	11.68-12.18
5	Demeton-S	400.000	472.406	-18.1	130	0.00	12.25-12.45
6	Thionazin	400.000	430.565	-7.6	108	0.00	12.18-12.38
7	Ethoprop	400.000	382.493	4.4	90	0.00	12.48-12.68
8	Sulfotep	400.000	496.889	-24.2#	120	0.00	12.98-13.18
9	Naled	1600.000	1862.740	-16.4	126	0.00	12.73-12.93
10	Phorate	400.000	415.940	-4.0	111	0.00	13.09-13.29
11	Monocrotophos	1600.000	1585.099	0.9	90	0.00	12.84-13.23
12	Demeton-O	400.000	387.951	3.0	96	0.00	13.40-13.60
13	Dimethoate	400.000	487.405	-21.9#	119	0.00	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	400.000	438.008	-9.5	111	0.00	14.13-14.33
15	Disulfoton	400.000	435.177	-8.8	112	0.00	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	400.000	445.112	-11.3	111	0.00	15.06-15.26
17	Methyl Parathion	400.000	468.004	-17.0	118	0.00	15.37-15.57
18	Malathion	400.000	474.381	-18.6	117	0.00	15.80-16.00
19	Chlorpyrifos	400.000	465.885	-16.5	116	0.00	16.04-16.24
20	Fenthion	400.000	356.776	10.8	85	0.00	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	400.000	435.048	-8.8	111	0.00	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	400.000	465.885	-16.5	116	0.00	16.04-16.24
23	Merphos	1600.000	847.507	47.0#	48	0.00	16.72-16.92
24	Stirophos	400.000	434.432	-8.6	107	0.00	17.37-17.57
25	Tokuthion	400.000	449.033	-12.3	109	0.00	17.75-17.95
26	Merphos Oxone	400.000	1008.719	-152.2#	376	0.00	17.86-18.07
27	Ethion	400.000	448.271	-12.1	109	0.00	18.78-18.98
28	Fensulfothion	400.000	493.313	-23.3#	162	0.00	18.59-18.79
29	Bolstar	400.000	471.571	-17.9	117	0.00	19.01-19.21
30	Carbophenothion	400.000	472.578	-18.1	114	0.00	19.19-19.39
31	Famphur	400.000	460.721	-15.2	122	0.00	19.15-19.35
32 S	Triphenylphosphate	400.000	513.178	-28.3#	138	0.00	19.70-19.90
33	EPN	400.000	539.861	-35.0#	163	0.00	20.19-20.39

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Initial Calibration Verification

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Job Number: JA58750

Sample: GZZ437-ICV437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11410.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	400.000	537.373	-34.3#	188	0.00	20.70-20.90
35	Coumaphos	400.000	523.601	-30.9#	202	0.00	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11406.D 8141-1013.m

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Continuing Calibration Summary

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Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11413.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102010\ZZ11413.D\FPD1A.CH Vial: 2
 Signal #2 : C:\msdchem\2\DATA\102010\ZZ11413.D\FPD2B.CH
 Acq On : 20-Oct-10, 08:07:27 Operator: neilc1
 Sample : cc437-600 Inst : FPD 1
 Misc : op34573,gzz438,30.0,,,10,1,soil Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
 Title : Organophosphorus Pesticides by 8141
 Last Update : Wed Oct 13 12:01:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	O,O,O-Triethylphosphor	600.000	672.710	-12.1	111	0.00	6.93- 7.13
2	Dichlorvos	600.000	649.907	-8.3	111	0.00	8.14- 8.34
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	739.832	-23.3#	128	0.00	10.31-10.51
4	TEPP	2400.000	3286.381	-36.9#	159	-0.01	11.60-12.10
5	Demeton-S	600.000	719.389	-19.9	128	0.00	12.11-12.31
6	Thionazin	600.000	752.027	-25.3#	130	0.00	12.15-12.35
----- Amount Calc. %Drift -----							
7	Ethoprop	600.000	746.284	-24.4#	126	0.00	12.40-12.60
8	Sulfotep	600.000	768.995	-28.2#	128	0.00	12.70-12.90
----- Amount Calc. %Drift -----							
9	Naled	2400.000	2949.210	-22.9#	126	0.00	12.77-12.97
----- Amount Calc. %Drift -----							
10	Phorate	600.000	722.036	-20.3#	121	0.00	13.01-13.21
----- Amount Calc. %Drift -----							
11	Monocrotophos	2400.000	3253.807	-35.6#	154	0.00	13.21-13.61
12	Demeton-O	600.000	714.872	-19.1	122	0.00	13.45-13.65
13	Dimethoate	600.000	770.527	-28.4#	134	0.00	13.78-13.98
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	713.086	-18.8	122	0.00	13.89-14.09
15	Disulfoton	600.000	731.691	-21.9#	125	0.00	14.23-14.43
16	Ronnel	600.000	731.735	-22.0#	124	0.00	15.37-15.57
17	Methyl Parathion	600.000	774.662	-29.1#	129	0.00	15.46-15.66
18	Malathion	600.000	781.638	-30.3#	130	0.00	15.85-16.05
19	Chlorpyrifos	600.000	735.383	-22.6#	125	0.00	15.98-16.18
20	Fenthion	600.000	757.300	-26.2#	129	0.00	16.20-16.40
21	Trichloronate	600.000	726.014	-21.0#	124	0.00	16.27-16.47
22	Ethyl Parathion	600.000	819.894	-36.6#	136	0.00	16.35-16.55
23	Merphos	2400.000	1520.287	36.7#	65	0.00	16.65-16.85
----- Amount Calc. %Drift -----							
24	Stirophos	600.000	756.753	-26.1#	136	0.00	17.61-17.81
----- Amount Calc. %Drift -----							
25	Tokuthion	600.000	729.631	-21.6#	128	0.00	17.86-18.06

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Continuing Calibration Summary

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Job Number: JA58750

Sample:

GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID:

ZZ11413.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	747.537	-24.6#	129	0.00	17.61-18.61
27	Ethion	600.000	816.221	-36.0#	133	0.00	18.90-19.10
28	Fensulfothion	600.000	1046.879	-74.5#	148	0.00	19.16-19.36
29	Bolstar	600.000	767.295	-27.9#	128	0.00	19.32-19.52
30	Carbophenothion	600.000	808.474	-34.7#	135	0.00	19.57-19.77
----- Amount Calc. %Drift -----							
31	Famphur	600.000	788.263	-31.4#	141	0.00	19.69-19.89
----- Amount Calc. %Drift -----							
32 S	Triphenylphosphate	600.000	816.381	-36.1#	135	0.00	20.03-20.23
33	EPN	600.000	863.984	-44.0#	140	0.00	20.61-20.81
34	Methyl Azinphos	600.000	971.105	-61.9#	137	0.00	21.23-21.43
35	Coumaphos	600.000	962.650	-60.4#	135	0.00	22.00-22.20
***** Signal #2 *****							
1	O,O,O-Triethylphosphor	600.000	630.224	-5.0	101	0.00	7.31- 7.51
2	Dichlorvos	600.000	560.110	6.6	97	0.00	8.36- 8.56
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	667.919	-11.3	114	0.00	10.36-10.56
4	TEPP	2400.000	3040.542	-26.7#	140	-0.02	11.68-12.18
5	Demeton-S	600.000	603.440	-0.6	95	0.00	12.25-12.45
6	Thionazin	600.000	652.750	-8.8	107	0.00	12.18-12.38
7	Ethoprop	600.000	652.230	-8.7	112	0.00	12.48-12.68
8	Sulfotep	600.000	679.666	-13.3	112	0.00	12.98-13.18
9	Naled	2400.000	2667.432	-11.1	109	0.00	12.73-12.93
10	Phorate	600.000	606.416	-1.1	104	0.00	13.09-13.29
11	Monocrotophos	2400.000	3104.331	-29.3#	164	-0.02	12.84-13.23
12	Demeton-O	600.000	633.215	-5.5	104	0.00	13.40-13.60
13	Dimethoate	600.000	716.280	-19.4	127	0.00	13.43-13.63
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	631.076	-5.2	104	0.00	14.13-14.33
15	Disulfoton	600.000	678.212	-13.0	108	0.00	14.24-14.44
----- Amount Calc. %Drift -----							
16	Ronnel	600.000	645.299	-7.5	108	0.00	15.06-15.26
17	Methyl Parathion	600.000	653.446	-8.9	110	0.00	15.37-15.57
18	Malathion	600.000	667.849	-11.3	112	0.00	15.80-16.00
19	Chlorpyrifos	600.000	666.069	-11.0	112	0.00	16.04-16.24
20	Fenthion	600.000	646.570	-7.8	110	0.00	15.98-16.18
----- Amount Calc. %Drift -----							
21	Trichloronate	600.000	657.348	-9.6	110	0.00	16.30-16.50
----- Amount Calc. %Drift -----							
22	Ethyl Parathion	600.000	666.069	-11.0	112	0.00	16.04-16.24
23	Merphos	2400.000	1870.283	22.1#	75	0.00	16.72-16.92
24	Stirophos	600.000	663.742	-10.6	113	0.00	17.37-17.57
25	Tokuthion	600.000	652.475	-8.7	113	0.00	17.75-17.95
26	Merphos Oxone	600.000	648.394	-8.1	116	0.00	17.86-18.07
27	Ethion	600.000	691.055	-15.2	120	0.00	18.78-18.98
28	Fensulfothion	600.000	747.940	-24.7#	136	0.00	18.59-18.79
29	Bolstar	600.000	672.037	-12.0	116	0.00	19.01-19.21
30	Carbophenothion	600.000	707.143	-17.9	124	0.00	19.19-19.39
31	Famphur	600.000	744.004	-24.0#	131	0.00	19.15-19.35
32 S	Triphenylphosphate	600.000	544.890	9.2	87	0.00	19.70-19.90
33	EPN	600.000	710.003	-18.3	118	0.00	20.19-20.39

19.6.3 19

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11413.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	742.298	-23.7#	127	0.00	20.70-20.90
35	Coumaphos	600.000	751.423	-25.2#	132	0.00	21.58-21.78

(#) = Out of Range

ZZ11407.D 8141-1013.m

SPCC's out = 0 CCC's out = 0

Thu Oct 21 07:35:17 2010

19.6.3
19

Continuing Calibration Summary

Job Number: JA58750

Account: ALNJ Accutest New Jersey

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Sample: GZZ438-CC437

Lab FileID: ZZ11425.D

Page 1 of 3

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102010\ZZ11425.D\FPD1A.CH Vial: 2
Signal #2 : C:\msdchem\2\DATA\102010\ZZ11425.D\FPD2B.CH
Acq On : 20-Oct-10, 14:22:48 Operator: neilc1
Sample : cc437-600 Inst : FPD 1
Misc : op34745,gzz438,29.9,,,10,1,soil Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
Title : Organophosphorus Pesticides by 8141
Last Update : Wed Oct 13 12:01:02 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	O,O,O-Triethylphosphor	600.000	627.020	-4.5	103	0.00	6.93- 7.13
2	Dichlorvos	600.000	723.306	-20.6#	124	0.00	8.14- 8.34
	-----	Amount	Calc.	%Drift	-----		
3	Mevinphos	600.000	674.985	-12.5	114	0.00	10.31-10.51
4	TEPP	2400.000	2507.058	-4.5	97	0.00	11.60-12.10
5	Demeton-S	600.000	673.153	-12.2	120	0.00	12.11-12.31
6	Thionazin	600.000	670.450	-11.7	113	0.00	12.15-12.35
	-----	Amount	Calc.	%Drift	-----		
7	Ethoprop	600.000	693.150	-15.5	117	0.00	12.40-12.60
8	Sulfotep	600.000	662.700	-10.5	110	0.00	12.70-12.90
	-----	Amount	Calc.	%Drift	-----		
9	Naled	2400.000	2181.543	9.1	84	0.00	12.77-12.97
	-----	Amount	Calc.	%Drift	-----		
10	Phorate	600.000	652.019	-8.7	109	0.00	13.01-13.21
	-----	Amount	Calc.	%Drift	-----		
11	Monocrotophos	2400.000	2755.021	-14.8	117	0.00	13.21-13.61
12	Demeton-O	600.000	618.282	-3.0	106	0.00	13.45-13.65
13	Dimethoate	600.000	657.268	-9.5	108	0.00	13.78-13.98
	-----	Amount	Calc.	%Drift	-----		
14	Diazinon	600.000	638.862	-6.5	110	0.00	13.89-14.09
15	Disulfoton	600.000	641.522	-6.9	109	0.00	14.23-14.43
16	Ronnel	600.000	636.280	-6.0	108	0.00	15.37-15.57
17	Methyl Parathion	600.000	665.155	-10.9	110	0.00	15.46-15.66
18	Malathion	600.000	653.582	-8.9	108	0.00	15.85-16.05
19	Chlorpyrifos	600.000	650.450	-8.4	110	0.00	15.98-16.18
20	Fenthion	600.000	652.662	-8.8	111	0.00	16.20-16.40
21	Trichloronate	600.000	632.265	-5.4	108	0.00	16.27-16.47
22	Ethyl Parathion	600.000	687.565	-14.6	114	0.00	16.35-16.55
23	Merphos	2400.000	2212.263	7.8	98	0.00	16.65-16.85
	-----	Amount	Calc.	%Drift	-----		
24	Stirophos	600.000	664.975	-10.8	115	0.00	17.61-17.81
	-----	Amount	Calc.	%Drift	-----		
25	Tokuthion	600.000	629.998	-5.0	110	0.00	17.86-18.06

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11425.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	709.127	-18.2	123	0.00	17.61-18.61
27	Ethion	600.000	692.673	-15.4	113	0.00	18.90-19.10
28	Fensulfothion	600.000	713.080	-18.8	101	0.00	19.16-19.36
29	Bolstar	600.000	660.496	-10.1	110	0.00	19.32-19.52
30	Carbophenothion	600.000	660.583	-10.1	110	0.00	19.57-19.77
----- Amount Calc. %Drift -----							
31	Famphur	600.000	672.343	-12.1	112	0.00	19.69-19.89
----- Amount Calc. %Drift -----							
32 S	Triphenylphosphate	600.000	677.281	-12.9	112	0.00	20.03-20.23
33	EPN	600.000	650.804	-8.5	105	0.00	20.61-20.81
34	Methyl Azinphos	600.000	732.577	-22.1#	103	0.00	21.23-21.43
35	Coumaphos	600.000	774.343	-29.1#	108	0.00	22.00-22.20
***** Signal #2 *****							
1	O,O,O-Triethylphosphor	600.000	593.637	1.1	95	0.00	7.31- 7.51
2	Dichlorvos	600.000	634.157	-5.7	110	0.00	8.36- 8.56
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	508.020	15.3	82	0.00	10.36-10.56
4	TEPP	2400.000	2324.454	3.1	83	-0.01	11.68-12.18
5	Demeton-S	600.000	583.383	2.8	91	0.00	12.25-12.45
6	Thionazin	600.000	588.611	1.9	95	0.00	12.18-12.38
7	Ethoprop	600.000	585.700	2.4	97	0.00	12.48-12.68
8	Sulfotep	600.000	610.476	-1.7	100	0.00	12.98-13.18
9	Naled	2400.000	1964.496	18.1	74	0.00	12.73-12.93
10	Phorate	600.000	570.230	5.0	98	0.00	13.09-13.29
11	Monocrotophos	2400.000	2406.020	-0.3	92	-0.01	12.84-13.23
12	Demeton-O	600.000	589.971	1.7	96	0.00	13.40-13.60
13	Dimethoate	600.000	617.896	-3.0	103	0.00	13.43-13.63
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	591.891	1.4	97	0.00	14.13-14.33
15	Disulfoton	600.000	606.790	-1.1	97	0.00	14.24-14.44
----- Amount Calc. %Drift -----							
16	Ronnel	600.000	582.739	2.9	95	0.00	15.06-15.26
17	Methyl Parathion	600.000	591.359	1.4	98	0.00	15.37-15.57
18	Malathion	600.000	600.855	-0.1	98	0.00	15.80-16.00
19	Chlorpyrifos	600.000	590.905	1.5	97	0.00	16.04-16.24
20	Fenthion	600.000	598.414	0.3	100	0.00	15.98-16.18
----- Amount Calc. %Drift -----							
21	Trichloronate	600.000	596.733	0.5	100	0.00	16.30-16.50
----- Amount Calc. %Drift -----							
22	Ethyl Parathion	600.000	590.905	1.5	97	0.00	16.04-16.24
23	Merphos	2400.000	2228.314	7.2	92	0.00	16.72-16.92
24	Stirophos	600.000	583.073	2.8	95	0.00	17.37-17.57
25	Tokuthion	600.000	599.407	0.1	102	0.00	17.75-17.95
26	Merphos Oxone	600.000	621.801	-3.6	109	0.00	17.86-18.07
27	Ethion	600.000	618.876	-3.1	103	0.00	18.78-18.98
28	Fensulfothion	600.000	609.338	-1.6	95	0.00	18.59-18.79
29	Bolstar	600.000	613.620	-2.3	103	0.00	19.01-19.21
30	Carbophenothion	600.000	623.708	-4.0	103	0.00	19.19-19.39
31	Famphur	600.000	629.346	-4.9	102	0.00	19.15-19.35
32 S	Triphenylphosphate	600.000	538.809	10.2	86	0.00	19.70-19.90
33	EPN	600.000	587.298	2.1	90	0.00	20.19-20.39

19.6.4 19

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11425.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	629.386	-4.9	98	0.00	20.70-20.90
35	Coumaphos	600.000	624.352	-4.1	98	0.00	21.58-21.78

(#) = Out of Range

ZZ11407.D 8141-1013.m

SPCC's out = 0 CCC's out = 0

Thu Oct 21 07:35:19 2010

19.6.4
19

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11437.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102010\ZZ11437.D\FPD1A.CH Vial: 2
 Signal #2 : C:\msdchem\2\DATA\102010\ZZ11437.D\FPD2B.CH
 Acq On : 20-Oct-10, 20:15:40 Operator: neilcl
 Sample : cc437-600 Inst : FPD 1
 Misc : op34745,gzz438,30.3,,,10,1,soil Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
 Title : Organophosphorus Pesticides by 8141
 Last Update : Wed Oct 13 12:01:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	O,O,O-Triethylphosphor	600.000	636.739	-6.1	105	0.00	6.93- 7.13
2	Dichlorvos	600.000	782.078	-30.3#	134	0.00	8.14- 8.34
----- Amount Calc. %Drift -----							
3	Mevinphos	600.000	618.142	-3.0	103	0.00	10.31-10.51
4	TEPP	2400.000	2418.790	-0.8	91	0.00	11.60-12.10
5	Demeton-S	600.000	660.285	-10.0	117	0.00	12.11-12.31
6	Thionazin	600.000	648.440	-8.1	109	0.00	12.15-12.35
----- Amount Calc. %Drift -----							
7	Ethoprop	600.000	665.730	-11.0	113	0.00	12.40-12.60
8	Sulfotep	600.000	635.955	-6.0	105	0.00	12.70-12.90
----- Amount Calc. %Drift -----							
9	Naled	2400.000	1905.822	20.6#	70	0.00	12.77-12.97
----- Amount Calc. %Drift -----							
10	Phorate	600.000	628.078	-4.7	105	0.00	13.01-13.21
----- Amount Calc. %Drift -----							
11	Monocrotophos	2400.000	2646.969	-10.3	110	0.00	13.21-13.61
12	Demeton-O	600.000	616.120	-2.7	105	0.00	13.45-13.65
13	Dimethoate	600.000	630.001	-5.0	103	0.00	13.78-13.98
----- Amount Calc. %Drift -----							
14	Diazinon	600.000	607.437	-1.2	104	0.00	13.89-14.09
15	Disulfoton	600.000	605.626	-0.9	103	0.00	14.23-14.43
16	Ronnel	600.000	589.132	1.8	100	0.00	15.37-15.57
17	Methyl Parathion	600.000	614.226	-2.4	102	0.00	15.46-15.66
18	Malathion	600.000	623.470	-3.9	103	0.00	15.85-16.05
19	Chlorpyrifos	600.000	612.974	-2.2	104	0.00	15.98-16.18
20	Fenthion	600.000	611.312	-1.9	104	0.00	16.20-16.40
21	Trichloronate	600.000	594.051	1.0	101	0.00	16.27-16.47
22	Ethyl Parathion	600.000	650.839	-8.5	108	0.00	16.35-16.55
23	Merphos	2400.000	1917.271	20.1#	84	0.00	16.65-16.85
----- Amount Calc. %Drift -----							
24	Stirophos	600.000	643.016	-7.2	110	0.00	17.61-17.81
----- Amount Calc. %Drift -----							
25	Tokuthion	600.000	595.949	0.7	104	0.00	17.86-18.06

19.6.5 19

Continuing Calibration Summary

Page 2 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11437.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	701.510	-16.9	122	0.00	17.61-18.61
27	Ethion	600.000	651.828	-8.6	106	0.00	18.90-19.10
28	Fensulfothion	600.000	718.411	-19.7	102	0.00	19.16-19.36
29	Bolstar	600.000	634.287	-5.7	106	0.00	19.32-19.52
30	Carbophenothion	600.000	638.264	-6.4	106	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	600.000	657.091	-9.5	109	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	600.000	672.191	-12.0	111	0.00	20.03-20.23
33	EPN	600.000	601.710	-0.3	97	0.00	20.61-20.81
34	Methyl Azinphos	600.000	723.791	-20.6#	102	0.00	21.23-21.43
35	Coumaphos	600.000	746.423	-24.4#	105	0.00	22.00-22.20

***** Signal #2 *****

1	O,O,O-Triethylphosphor	600.000	622.324	-3.7	100	0.00	7.31- 7.51
2	Dichlorvos	600.000	695.874	-16.0	121	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	600.000	571.560	4.7	94	0.00	10.36-10.56
4	TEPP	2400.000	2265.235	5.6	79	0.00	11.68-12.18
5	Demeton-S	600.000	599.847	0.0	95	0.00	12.25-12.45
6	Thionazin	600.000	582.070	3.0	94	0.00	12.18-12.38
7	Ethoprop	600.000	594.573	0.9	99	0.00	12.48-12.68
8	Sulfotep	600.000	604.045	-0.7	99	0.00	12.98-13.18
9	Naled	2400.000	1746.191	27.2#	64	0.00	12.73-12.93
10	Phorate	600.000	562.677	6.2	97	0.00	13.09-13.29
11	Monocrotophos	2400.000	2227.866	7.2	76	0.00	12.84-13.23
12	Demeton-O	600.000	582.047	3.0	94	0.00	13.40-13.60
13	Dimethoate	600.000	599.203	0.1	99	0.00	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	600.000	575.272	4.1	95	0.00	14.13-14.33
15	Disulfoton	600.000	583.978	2.7	93	0.00	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	600.000	561.036	6.5	91	0.00	15.06-15.26
17	Methyl Parathion	600.000	577.918	3.7	95	0.00	15.37-15.57
18	Malathion	600.000	595.395	0.8	97	0.00	15.80-16.00
19	Chlorpyrifos	600.000	573.470	4.4	94	0.00	16.04-16.24
20	Fenthion	600.000	585.418	2.4	97	0.00	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	600.000	583.604	2.7	98	0.00	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	600.000	573.470	4.4	94	0.00	16.04-16.24
23	Merphos	2400.000	1973.839	17.8	80	0.00	16.72-16.92
24	Stirophos	600.000	573.566	4.4	93	0.00	17.37-17.57
25	Tokuthion	600.000	587.462	2.1	100	0.00	17.75-17.95
26	Merphos Oxone	600.000	650.488	-8.4	117	0.00	17.86-18.07
27	Ethion	600.000	608.369	-1.4	101	0.00	18.78-18.98
28	Fensulfothion	600.000	597.261	0.5	92	0.00	18.59-18.79
29	Bolstar	600.000	604.527	-0.8	101	0.00	19.01-19.21
30	Carbophenothion	600.000	622.572	-3.8	103	0.00	19.19-19.39
31	Famphur	600.000	621.746	-3.6	100	0.00	19.15-19.35
32 S	Triphenylphosphate	600.000	545.407	9.1	87	0.00	19.70-19.90
33	EPN	600.000	574.494	4.3	87	0.00	20.19-20.39

19.6.5 19

Continuing Calibration Summary

Page 3 of 3

Job Number: JA58750

Sample: GZZ438-CC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11437.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	618.444	-3.1	95	0.00	20.70-20.90
35	Coumaphos	600.000	632.498	-5.4	100	0.00	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Thu Oct 21 07:35:21 2010

19.6.5

19

Continuing Calibration Summary

Page 1 of 3

Job Number: JA58750

Sample: GZZ438-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11441.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\2\DATA\102010\ZZ11441.D\FPD1A.CH Vial: 2
 Signal #2 : C:\msdchem\2\DATA\102010\ZZ11441.D\FPD2B.CH
 Acq On : 20-Oct-10, 22:13:04 Operator: neilc1
 Sample : ecc437-600 Inst : FPD 1
 Misc : op34745,gzz438,30.3,,,10,1,soil Multiplr: 1.00
 IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E

Method : C:\msdchem\2\METHODS\8141-1013.m (ChemStation Integrator)
 Title : Organophosphorus Pesticides by 8141
 Last Update : Wed Oct 13 12:01:02 2010
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Drift	Area%	Dev(min)	RT Window
1	O,O,O-Triethylphosphor	600.000	641.388	-6.9	106	0.00	6.93- 7.13
2	Dichlorvos	600.000	820.829	-36.8#	141	0.00	8.14- 8.34
	-----	Amount	Calc.	%Drift	-----		
3	Mevinphos	600.000	657.893	-9.6	111	0.00	10.31-10.51
4	TEPP	2400.000	2551.348	-6.3	100	0.00	11.60-12.10
5	Demeton-S	600.000	633.591	-5.6	113	0.00	12.11-12.31
6	Thionazin	600.000	638.331	-6.4	107	0.00	12.15-12.35
	-----	Amount	Calc.	%Drift	-----		
7	Ethoprop	600.000	656.293	-9.4	111	0.00	12.40-12.60
8	Sulfotep	600.000	649.029	-8.2	108	0.00	12.70-12.90
	-----	Amount	Calc.	%Drift	-----		
9	Naled	2400.000	1810.611	24.6#	66	0.00	12.77-12.97
	-----	Amount	Calc.	%Drift	-----		
10	Phorate	600.000	625.464	-4.2	105	0.00	13.01-13.21
	-----	Amount	Calc.	%Drift	-----		
11	Monocrotophos	2400.000	2739.627	-14.2	116	0.00	13.21-13.61
12	Demeton-O	600.000	650.013	-8.3	111	0.00	13.45-13.65
13	Dimethoate	600.000	638.237	-6.4	104	0.00	13.78-13.98
	-----	Amount	Calc.	%Drift	-----		
14	Diazinon	600.000	617.023	-2.8	106	0.00	13.89-14.09
15	Disulfoton	600.000	615.250	-2.5	105	0.00	14.23-14.43
16	Ronnel	600.000	609.094	-1.5	103	0.00	15.37-15.57
17	Methyl Parathion	600.000	629.801	-5.0	105	0.00	15.46-15.66
18	Malathion	600.000	637.041	-6.2	106	0.00	15.85-16.05
19	Chlorpyrifos	600.000	625.890	-4.3	106	0.00	15.98-16.18
20	Fenthion	600.000	624.020	-4.0	106	0.00	16.20-16.40
21	Trichloronate	600.000	603.359	-0.6	103	0.00	16.27-16.47
22	Ethyl Parathion	600.000	660.763	-10.1	109	0.00	16.35-16.55
23	Merphos	2400.000	1836.399	23.5#	80	0.00	16.65-16.85
	-----	Amount	Calc.	%Drift	-----		
24	Stirophos	600.000	656.203	-9.4	113	0.00	17.61-17.81
	-----	Amount	Calc.	%Drift	-----		
25	Tokuthion	600.000	607.620	-1.3	106	0.00	17.86-18.06

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Continuing Calibration Summary

Page 2 of 3

Job Number: JA58750

Sample: GZZ438-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11441.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

26	Merphos Oxone	600.000	711.560	-18.6	123	0.00	17.61-18.61
27	Ethion	600.000	669.746	-11.6	109	0.00	18.90-19.10
28	Fensulfothion	600.000	769.431	-28.2#	109	0.00	19.16-19.36
29	Bolstar	600.000	652.074	-8.7	109	0.00	19.32-19.52
30	Carbophenothion	600.000	648.065	-8.0	108	0.00	19.57-19.77

		Amount	Calc.	%Drift			
31	Famphur	600.000	673.468	-12.2	113	0.00	19.69-19.89

		Amount	Calc.	%Drift			
32 S	Triphenylphosphate	600.000	679.710	-13.3	112	0.00	20.03-20.23
33	EPN	600.000	634.367	-5.7	103	0.00	20.61-20.81
34	Methyl Azinphos	600.000	734.641	-22.4#	103	0.00	21.23-21.43
35	Coumaphos	600.000	740.660	-23.4#	104	0.00	22.00-22.20

***** Signal #2 *****

1	O,O,O-Triethylphosphor	600.000	626.624	-4.4	100	0.00	7.31- 7.51
2	Dichlorvos	600.000	749.346	-24.9#	130	0.00	8.36- 8.56

		Amount	Calc.	%Drift			
3	Mevinphos	600.000	514.673	14.2	83	0.00	10.36-10.56
4	TEPP	2400.000	2403.977	-0.2	89	-0.01	11.68-12.18
5	Demeton-S	600.000	566.811	5.5	88	0.00	12.25-12.45
6	Thionazin	600.000	578.579	3.6	93	0.00	12.18-12.38
7	Ethoprop	600.000	593.927	1.0	99	0.00	12.48-12.68
8	Sulfotep	600.000	602.001	-0.3	98	0.00	12.98-13.18
9	Naled	2400.000	1646.618	31.4#	59	0.00	12.73-12.93
10	Phorate	600.000	536.584	10.6	92	0.00	13.09-13.29
11	Monocrotophos	2400.000	2299.810	4.2	82	-0.01	12.84-13.23
12	Demeton-O	600.000	581.337	3.1	94	0.00	13.40-13.60
13	Dimethoate	600.000	604.796	-0.8	100	0.00	13.43-13.63

		Amount	Calc.	%Drift			
14	Diazinon	600.000	594.457	0.9	98	0.00	14.13-14.33
15	Disulfoton	600.000	617.138	-2.9	99	0.00	14.24-14.44

		Amount	Calc.	%Drift			
16	Ronnel	600.000	579.872	3.4	95	0.00	15.06-15.26
17	Methyl Parathion	600.000	588.283	2.0	97	0.00	15.37-15.57
18	Malathion	600.000	604.407	-0.7	99	0.00	15.80-16.00
19	Chlorpyrifos	600.000	586.488	2.3	96	0.00	16.04-16.24
20	Fenthion	600.000	592.234	1.3	99	0.00	15.98-16.18

		Amount	Calc.	%Drift			
21	Trichloronate	600.000	595.213	0.8	100	0.00	16.30-16.50

		Amount	Calc.	%Drift			
22	Ethyl Parathion	600.000	586.488	2.3	96	0.00	16.04-16.24
23	Merphos	2400.000	1913.348	20.3#	77	0.00	16.72-16.92
24	Stirophos	600.000	588.017	2.0	96	0.00	17.37-17.57
25	Tokuthion	600.000	597.322	0.4	102	0.00	17.75-17.95
26	Merphos Oxone	600.000	647.178	-7.9	116	0.00	17.86-18.07
27	Ethion	600.000	621.739	-3.6	104	-0.01	18.78-18.98
28	Fensulfothion	600.000	621.660	-3.6	98	0.00	18.59-18.79
29	Bolstar	600.000	614.008	-2.3	103	0.00	19.01-19.21
30	Carbophenothion	600.000	625.145	-4.2	103	0.00	19.19-19.39
31	Famphur	600.000	627.453	-4.6	102	0.00	19.15-19.35
32 S	Triphenylphosphate	600.000	522.157	13.0	82	0.00	19.70-19.90
33	EPN	600.000	592.432	1.3	91	0.00	20.19-20.39

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Continuing Calibration Summary

Page 3 of 3

Job Number: JA58750

Sample: GZZ438-ECC437

Account: ALNJ Accutest New Jersey

Lab FileID: ZZ11441.D

Project: ENSRMAA: Bell Bend Nuclear Power Plant, Salem Township, PA

34	Methyl Azinphos	600.000	620.452	-3.4	96	0.00	20.70-20.90
35	Coumaphos	600.000	632.830	-5.5	100	0.00	21.58-21.78

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

ZZ11407.D 8141-1013.m

Thu Oct 21 07:35:23 2010

19.6.6
19



GC Semi-volatiles

Raw Data

(Accutest Laboratories Southeast, Inc.)

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11417.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 10:22:28
 Operator : neilcl
 Sample : ja58750-1
 Misc : op34745,gzz438,29.7,,,10,1,soil
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:17:49 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
32) S Triphenyl...	20.128	19.794	44453568	10218635	542.624	408.824
Spiked Amount	500.000	Range	48 - 133	Recovery	= 108.52%	81.76%
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D. d	N.D. d
15) Disulfoton	0.000	0.000	0	0	N.D. d	N.D. d
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11417.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 10:22:28
Operator : neilcl
Sample : ja58750-1
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:17:49 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

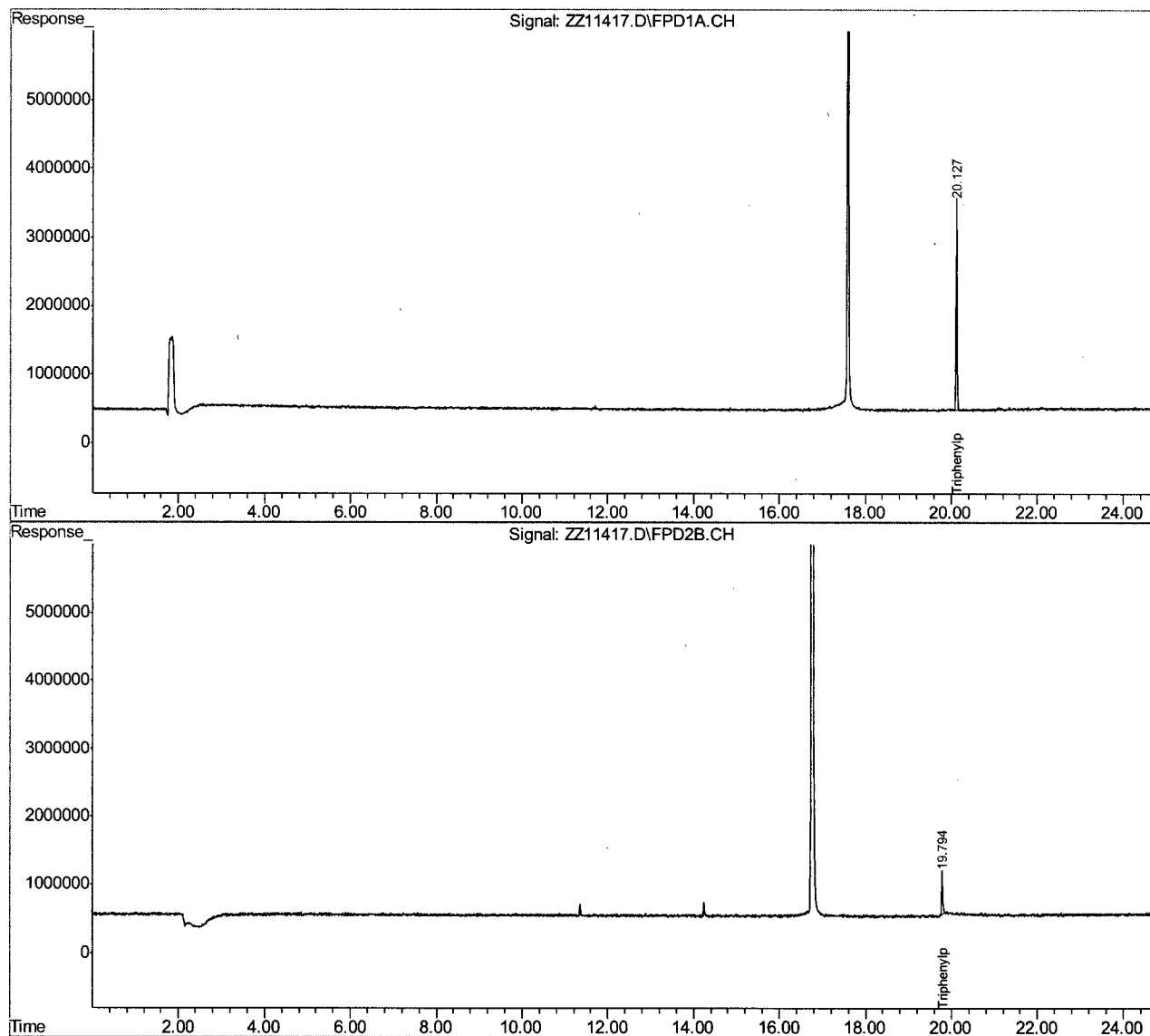
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11417.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 10:22:28
Operator : neilc1
Sample : ja58750-1
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:17:49 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11418.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 10:57:00
 Operator : neilc1
 Sample : ja58750-2
 Misc : op34745,gzz438,29.9,,,10,1,soil
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:18:02 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.795	40011672	2500598	488.404	143.432 #
Spiked Amount		500.000	Range	48 - 133	Recovery	= 97.68%	28.69%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11418.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 10:57:00
Operator : neilc1
Sample : ja58750-2
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:02 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

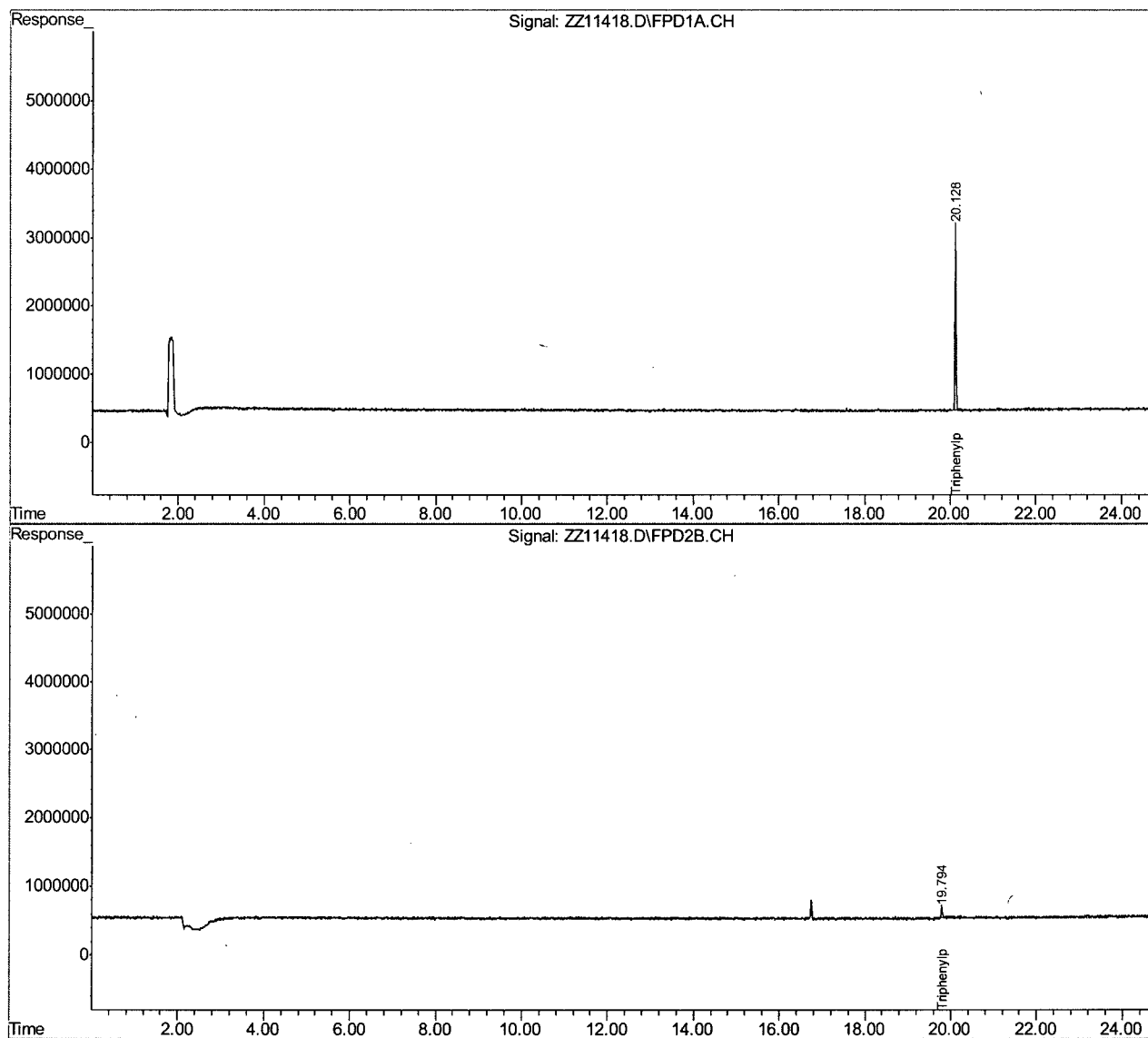
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11418.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 10:57:00
Operator : neilc1
Sample : ja58750-2
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:02 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11419.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 11:26:27
Operator : neilcl
Sample : ja58750-3
Misc : op34745,gzz438,30.4,,,10,1,soil
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:10 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.796	47555699	2839800	580.491	158.878 #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	116.10%	31.78%#

Target Compounds						
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D. N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D. N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D. N.D.
4)	TEPP	0.000	0.000	0	0	N.D. N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D. N.D.
6)	Thionazin	0.000	0.000	0	0	N.D. N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D. N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D. N.D.
9)	Naled	0.000	0.000	0	0	N.D. N.D.
10)	Phorate	0.000	0.000	0	0	N.D. N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D. N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D. N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D. N.D.
14)	Diazinon	0.000	0.000	0	0	N.D. N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D. N.D.
16)	Ronnel	0.000	0.000	0	0	N.D. N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D. N.D.
18)	Malathion	0.000	0.000	0	0	N.D. N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D. N.D.
20)	Fenthion	0.000	0.000	0	0	N.D. N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D. N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D. N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D. N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D. N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D. N.D.
27)	Ethion	0.000	0.000	0	0	N.D. N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D. N.D.
29)	Bolstar	0.000	0.000	0	0	N.D. N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D. N.D.
31)	Famphur	0.000	0.000	0	0	N.D. N.D.
33)	EPN	0.000	0.000	0	0	N.D. N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D. N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D. N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11419.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 11:26:27
Operator : neilc1
Sample : ja58750-3
Misc : op34745,gzz438,30.4,,,10,1,soil
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:10 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation .6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

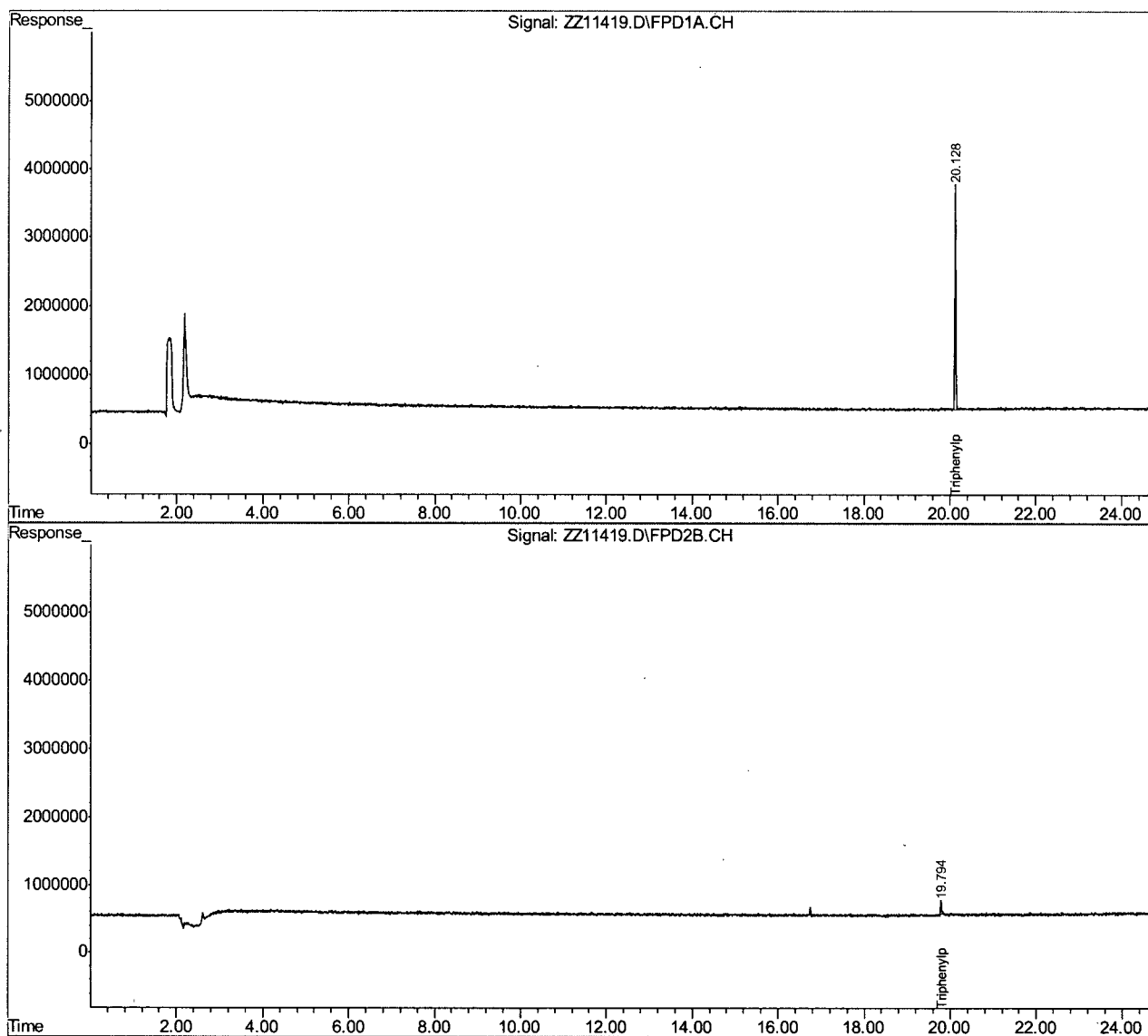
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11419.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 11:26:27
Operator : neilc1
Sample : ja58750-3
Misc : op34745,gzz438,30.4,,,10,1,soil
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:10 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11420.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 11:55:49
 Operator : neilc1
 Sample : ja58750-4
 Misc : op34745,gzz438,29.7,,,10,1,soil
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:18:21 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.795	42516898	3452898	518.984	185.356 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 103.80%	37.07%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11420.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 11:55:49
Operator : neilc1
Sample : ja58750-4
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:21 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

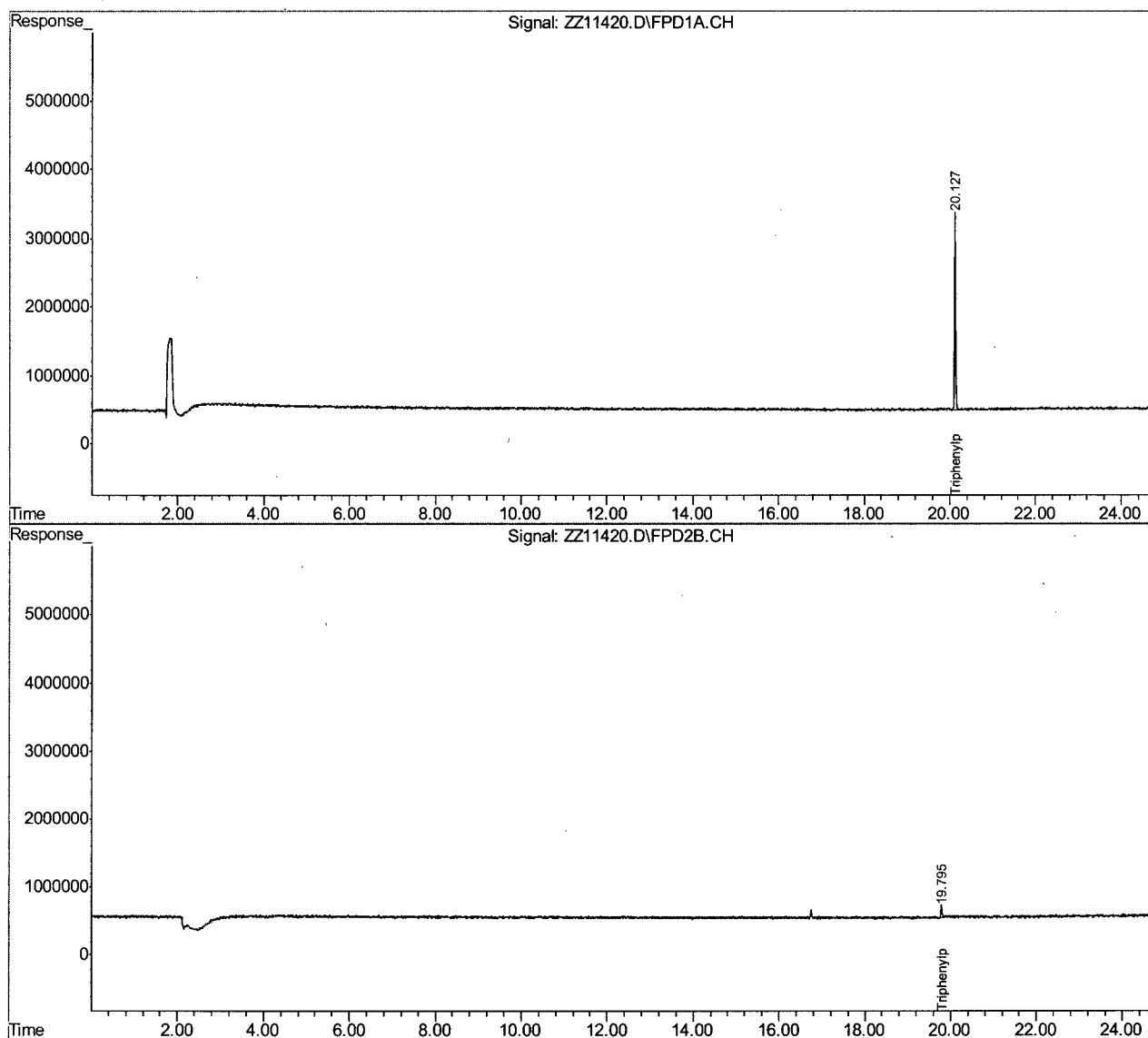
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11420.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 11:55:49
Operator : neilc1
Sample : ja58750-4
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:21 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11421.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 12:25:10
 Operator : neilc1
 Sample : ja58750-5
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:18:32 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.796	43163761	3462926	526.880	185.775 #
Spiked Amount		500.000 Range	48 - 133	Recovery	=	105.38%	37.16%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11421.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 12:25:10
Operator : neilc1
Sample : ja58750-5
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:32 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

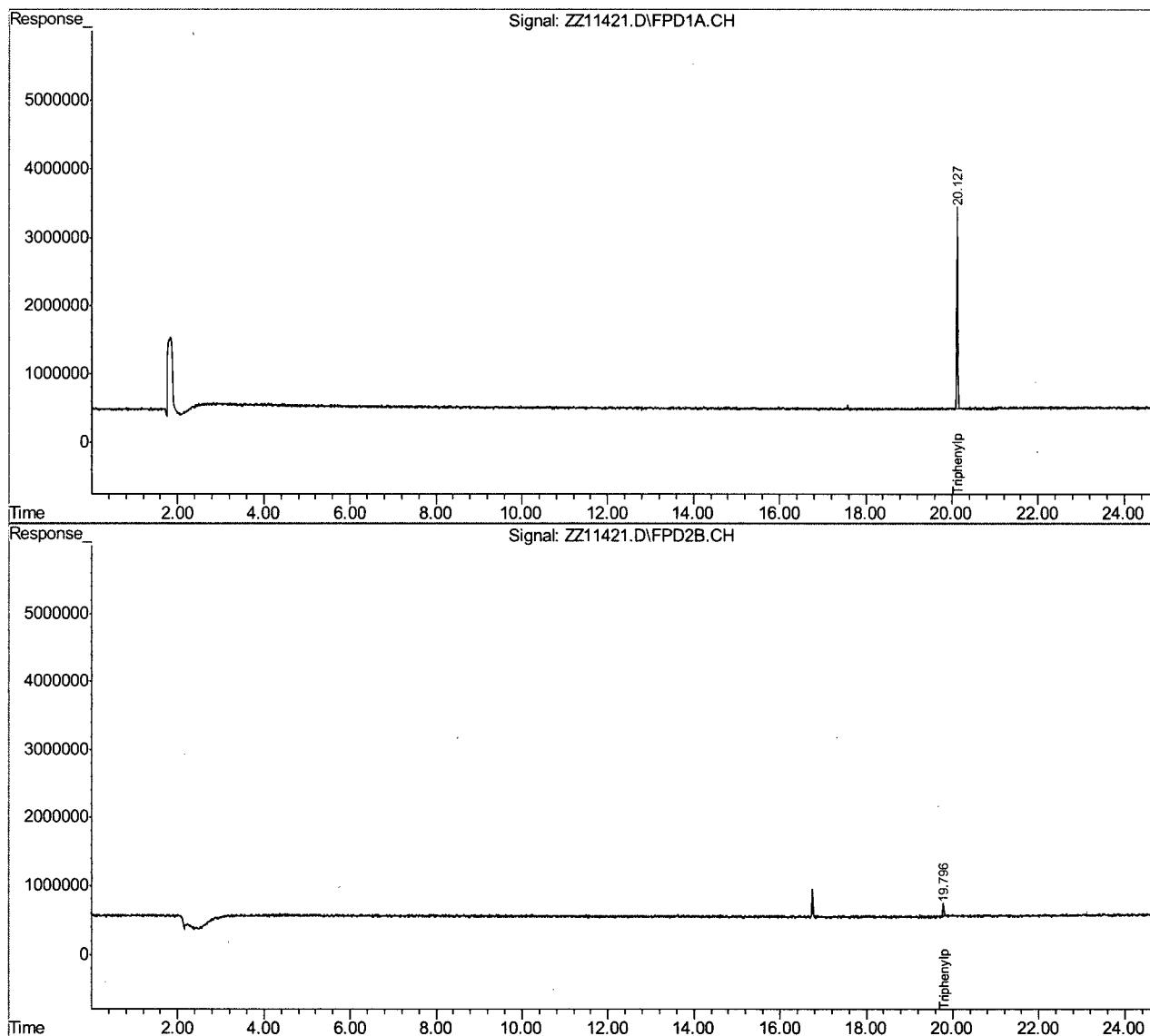
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11421.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 12:25:10
Operator : neilc1
Sample : ja58750-5
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 10 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:32 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11422.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 12:54:33
 Operator : neilcl
 Sample : ja58750-6
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:18:41 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32)	S Triphenyl...	20.128	19.795	38115207	3556591	465.255	189.671 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 93.05%	37.93%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11422.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 12:54:33
Operator : neilcl
Sample : ja58750-6
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:41 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

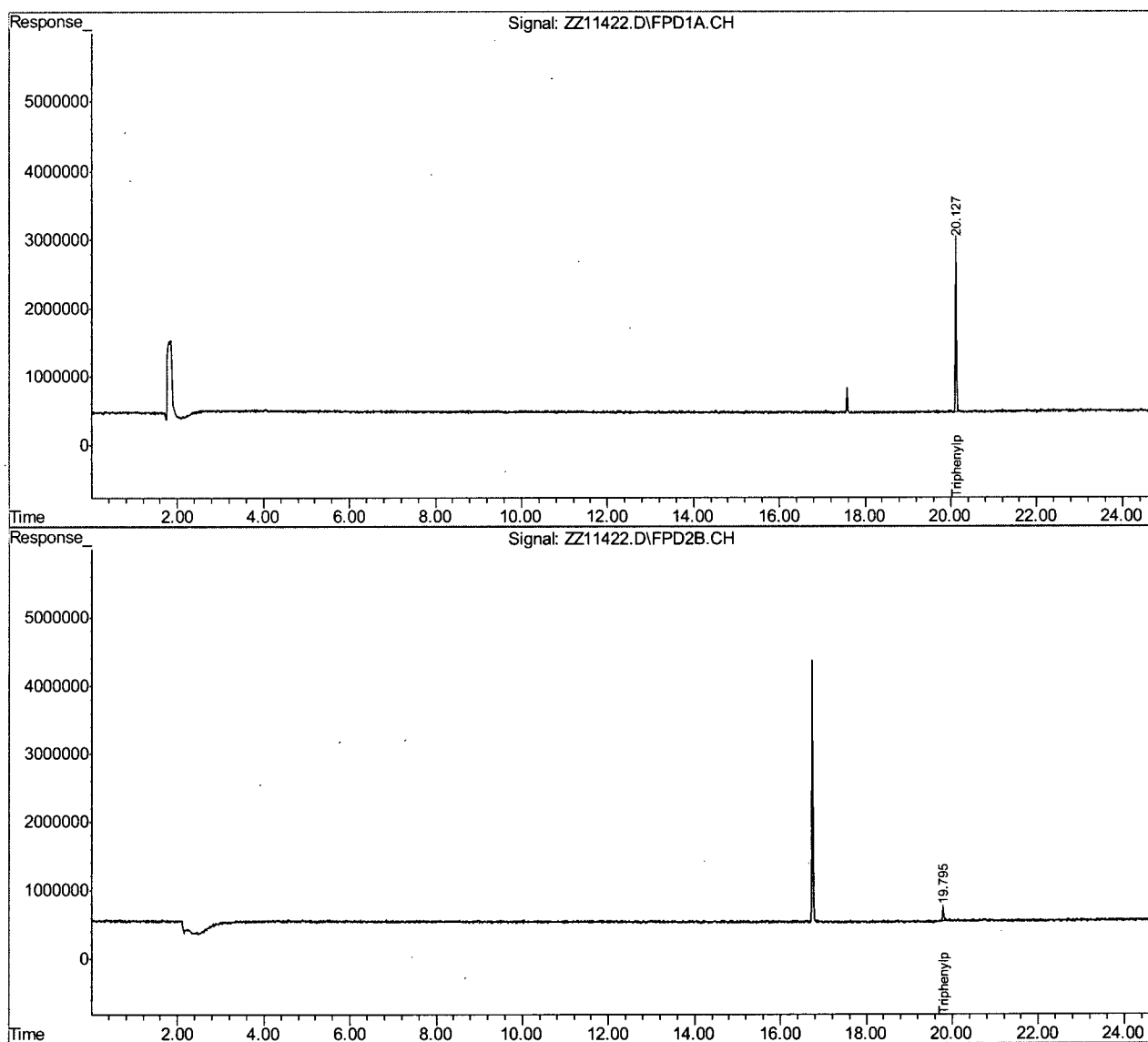
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11422.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 12:54:33
Operator : neilc1
Sample : ja58750-6
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:18:41 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11423.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 13:23:54
 Operator : neilc1
 Sample : ja58750-7
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:19:00 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.795	39673465	2519126	484.276	144.292 #
Spiked Amount		500.000 Range	48 - 133	Recovery	=	96.86%	28.86%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11423.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 13:23:54
Operator : neilcl
Sample : ja58750-7
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:19:00 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

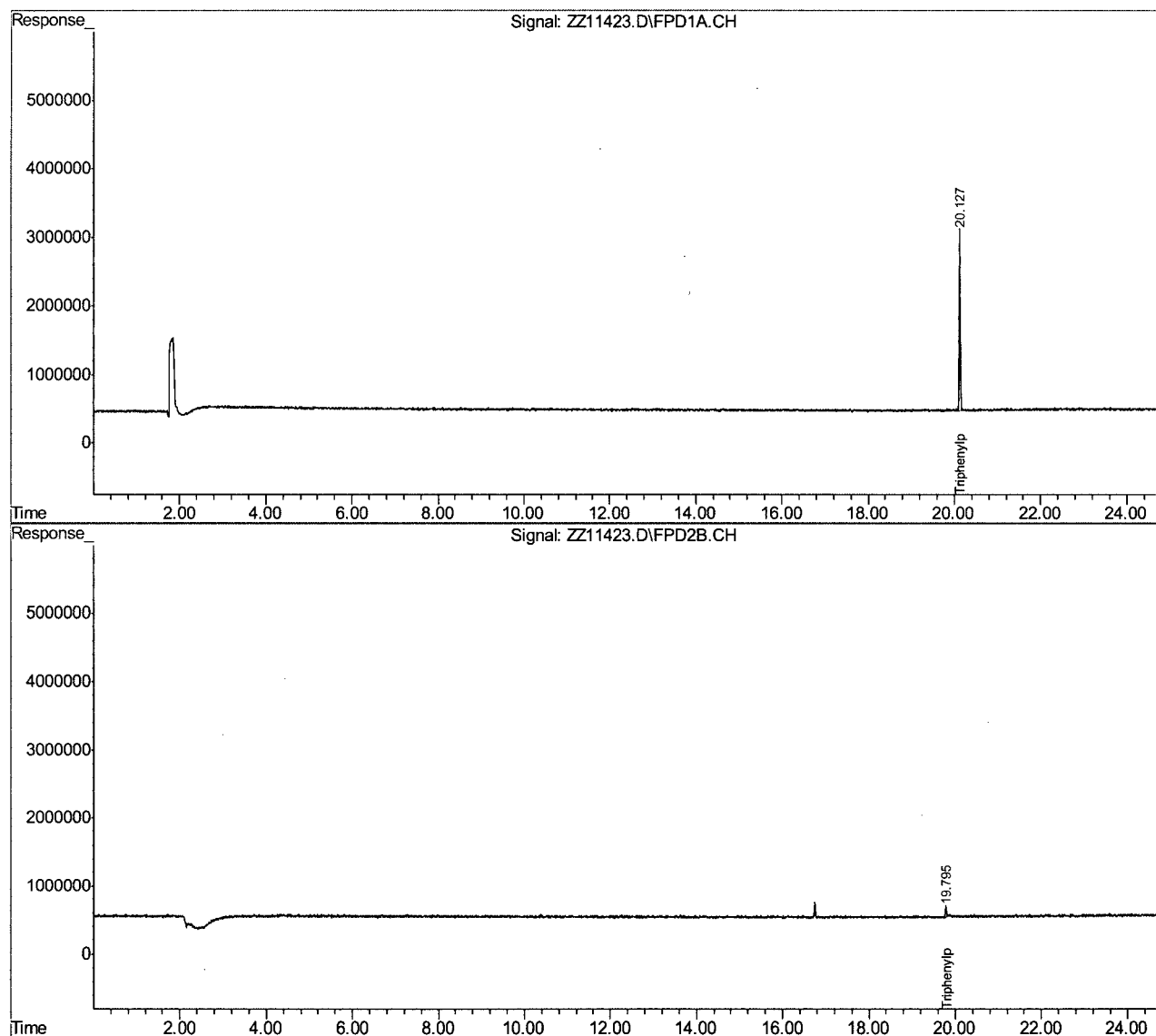
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11423.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 13:23:54
Operator : neilc1
Sample : ja58750-7
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:19:00 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11424.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 13:53:23
 Operator : neilcl
 Sample : ja58750-8
 Misc : op34745,gzz438,29.9,,,10,1,soil
 ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:19:10 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.796	45495880	3485459	555.347	186.716 #
Spiked Amount		500.000	Range	48 - 133	Recovery	= 111.07%	37.34%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stiropfos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11424.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 13:53:23
Operator : neilc1
Sample : ja58750-8
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:19:10 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

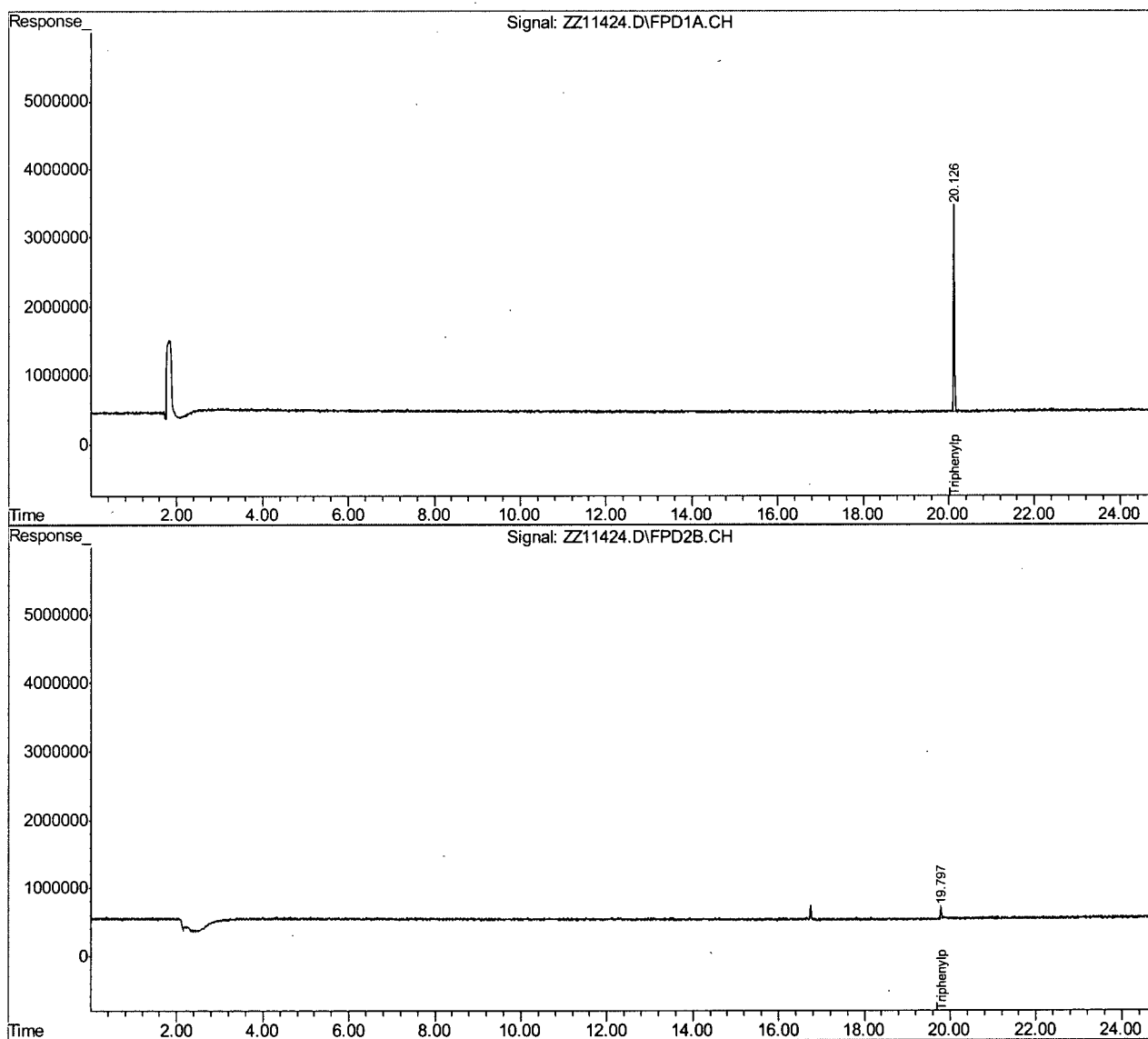
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11424.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 13:53:23
Operator : neilc1
Sample : ja58750-8
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:19:10 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11427.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 15:21:36
 Operator : neilc1
 Sample : ja58750-9
 Misc : op34745,gzz438,29.9,,,10,1,soil
 ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:20:33 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

	System Monitoring Compounds						
32)	S Triphenyl...	20.129	19.795	41375714	3040325	505.055	167.730 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 101.01%	33.55%#
	Target Compounds						
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stiophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11427.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 15:21:36
Operator : neilcl
Sample : ja58750-9
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:20:33 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

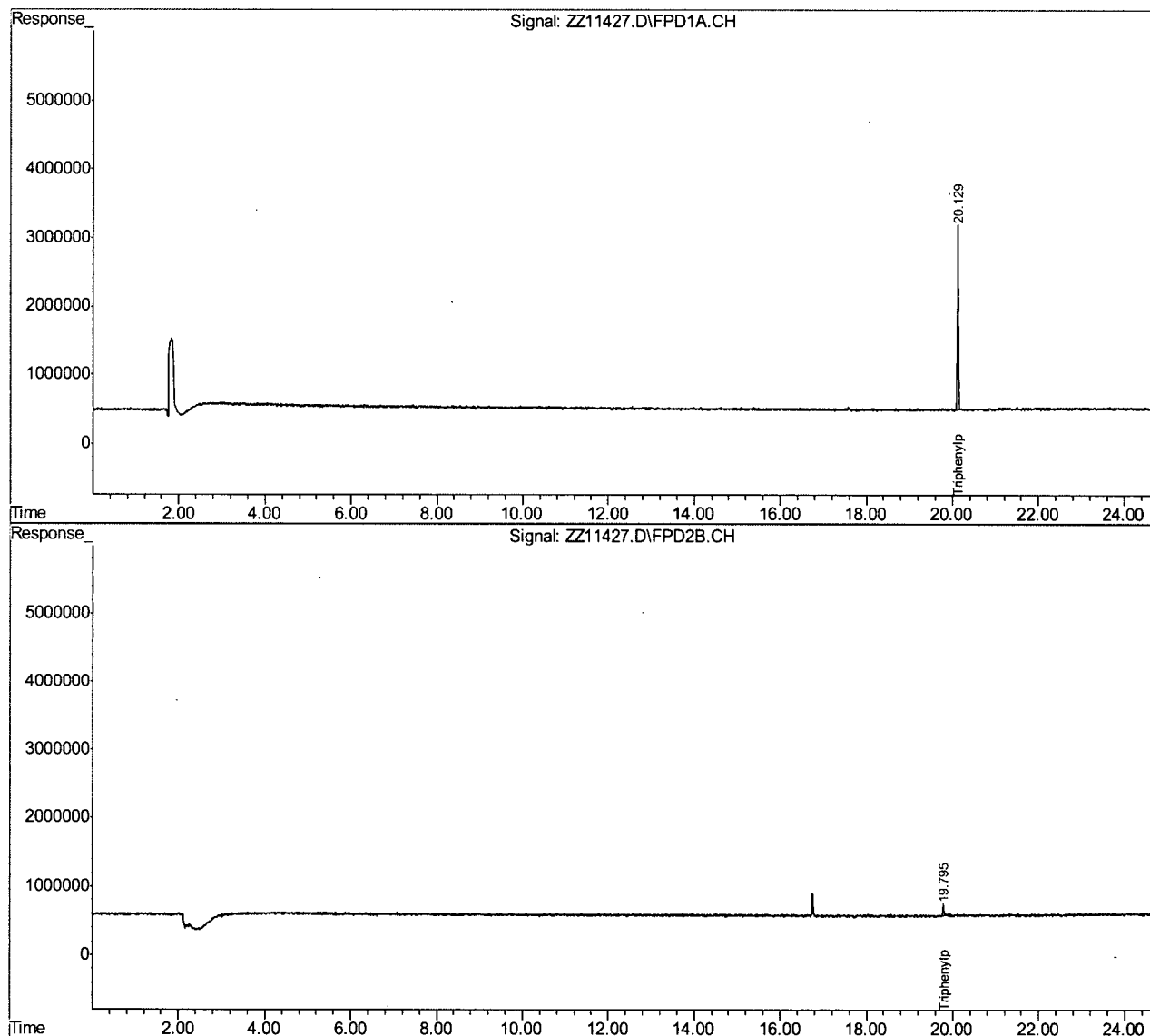
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11427.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 15:21:36
Operator : neilc1
Sample : ja58750-9
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:20:33 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11428.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 15:50:59
 Operator : neilc1
 Sample : ja58750-10
 Misc : op34745,gzz438,30.2,,,10,1,soil
 ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:21:16 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1
 Signal #1 Info : 0.32
 Signal #2 Phase: DB-5
 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.795	43240052	3857563	527.812	201.953 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 105.56%	40.39%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11428.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 15:50:59
Operator : neilc1
Sample : ja58750-10
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:21:16 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

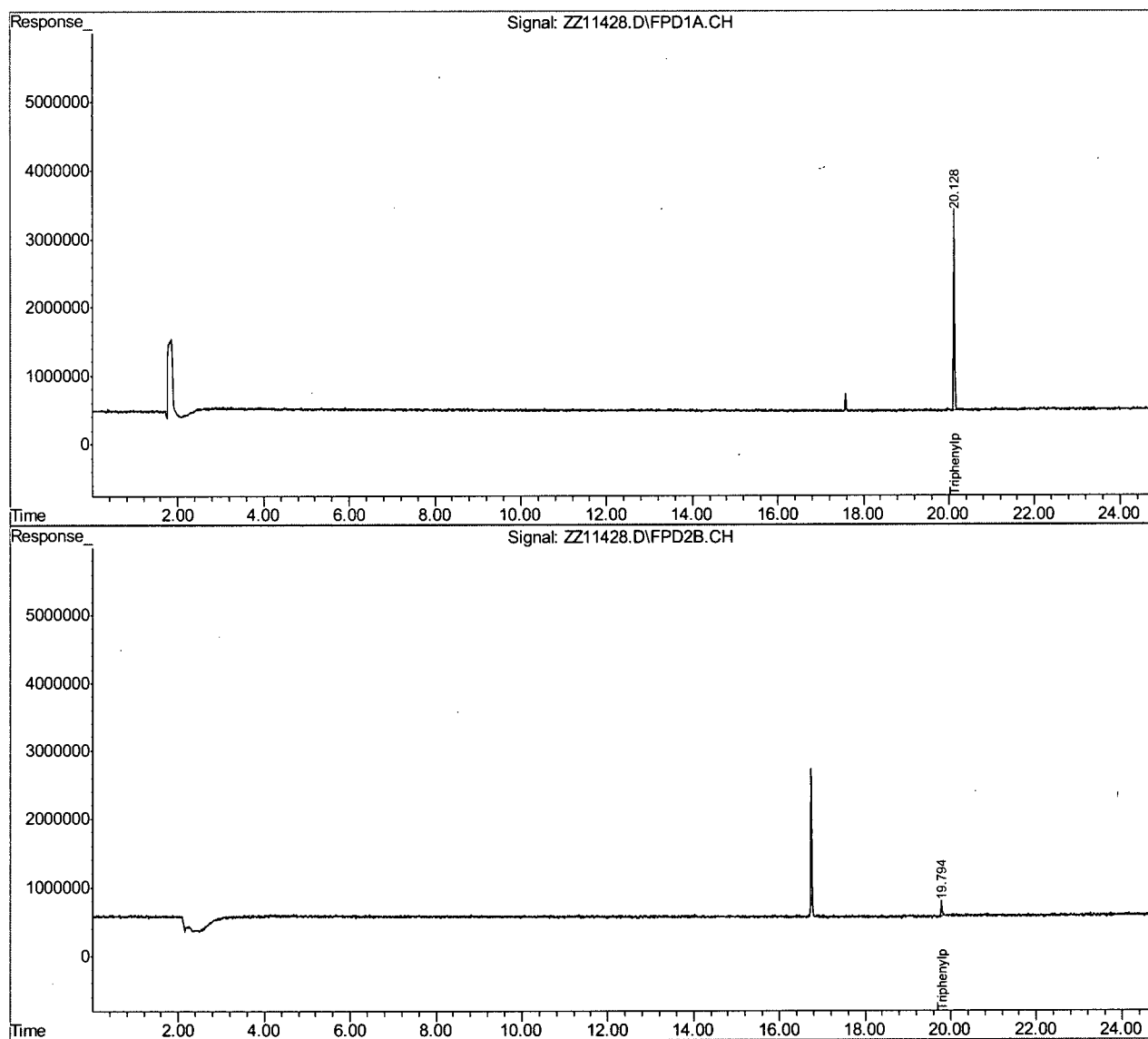
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11428.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 15:50:59
Operator : neilc1
Sample : ja58750-10
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:21:16 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11429.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 16:20:23
 Operator : neilc1
 Sample : ja58750-11
 Misc : op34745,gzz438,30.3,,,10,1,soil
 ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:21:31 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.795	45342221	4475107	553.472	226.129 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 110.69%	45.23%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D.	N.D.
15) Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11429.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 16:20:23
Operator : neilc1
Sample : ja58750-11
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:21:31 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

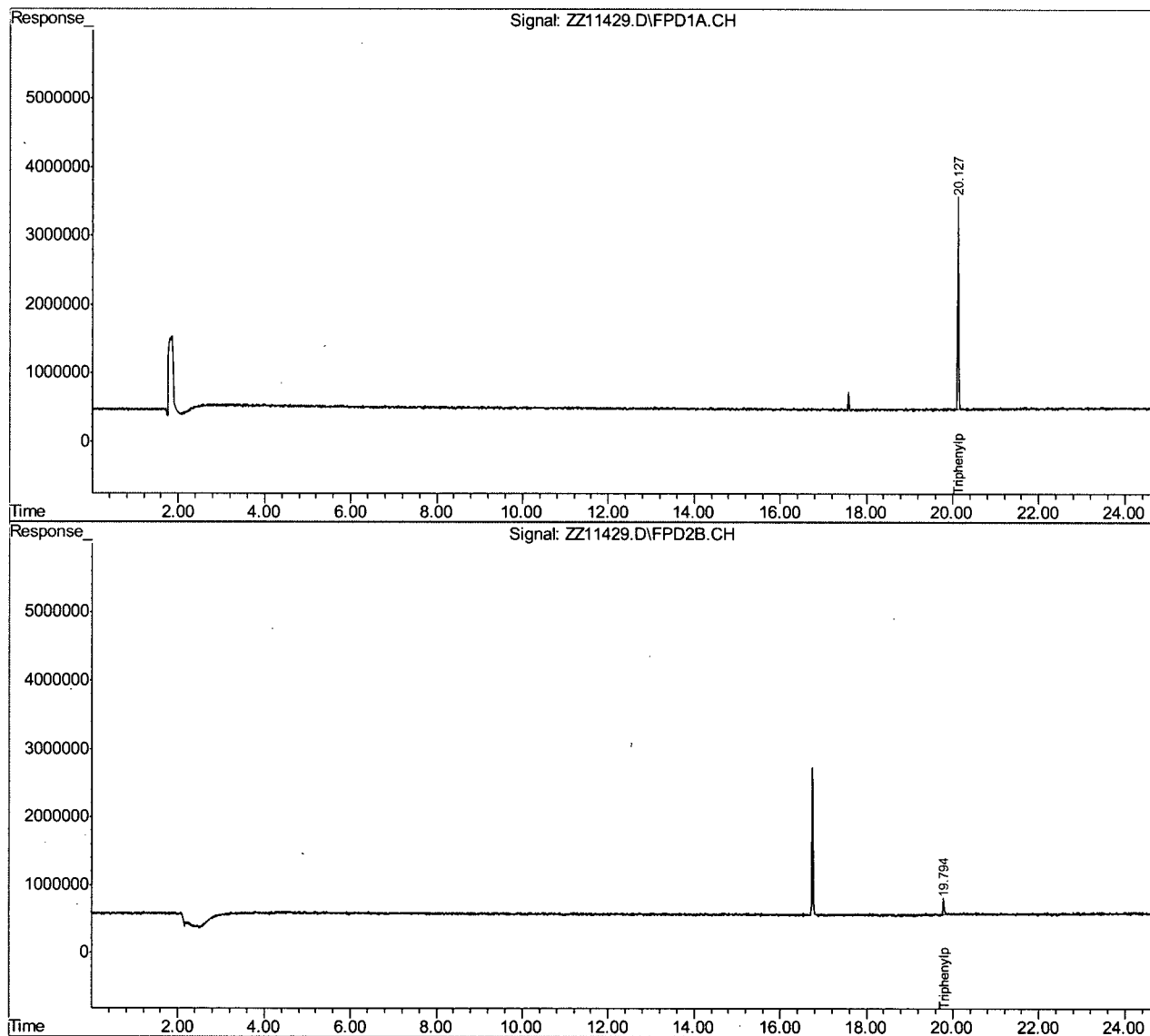
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11429.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 16:20:23
Operator : neilc1
Sample : ja58750-11
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:21:31 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11432.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 17:48:37
 Operator : neilcl
 Sample : ja58750-12
 Misc : op34745,gzz438,30.2,,,10,1,soil
 ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:25:47 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.796	46426072	4002448	566.702	207.744 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 113.34%	41.55%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11432.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 17:48:37
Operator : neilc1
Sample : ja58750-12
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:47 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

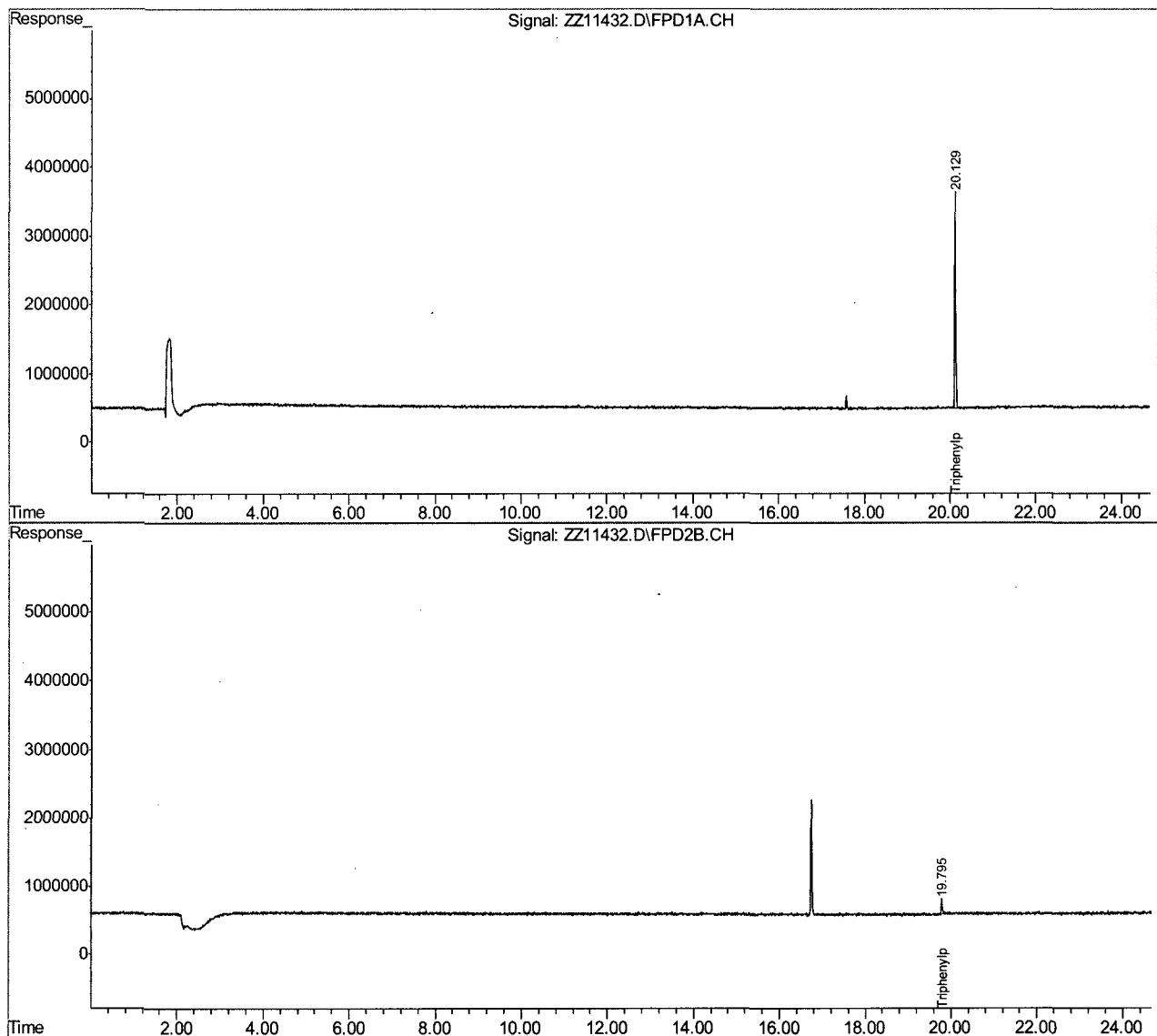
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11432.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 17:48:37
Operator : neilc1
Sample : ja58750-12
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 20 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:47 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11433.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 18:18:00
 Operator : neilc1
 Sample : ja58750-13
 Misc : op34745,gzz438,30.3,,,10,1,soil
 ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:25:58 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.797	45494668	3602853	555.333	191.582 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 111.07%	38.32%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D.	N.D.
15) Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11433.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 18:18:00
Operator : neilcl
Sample : ja58750-13
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:58 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped.

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

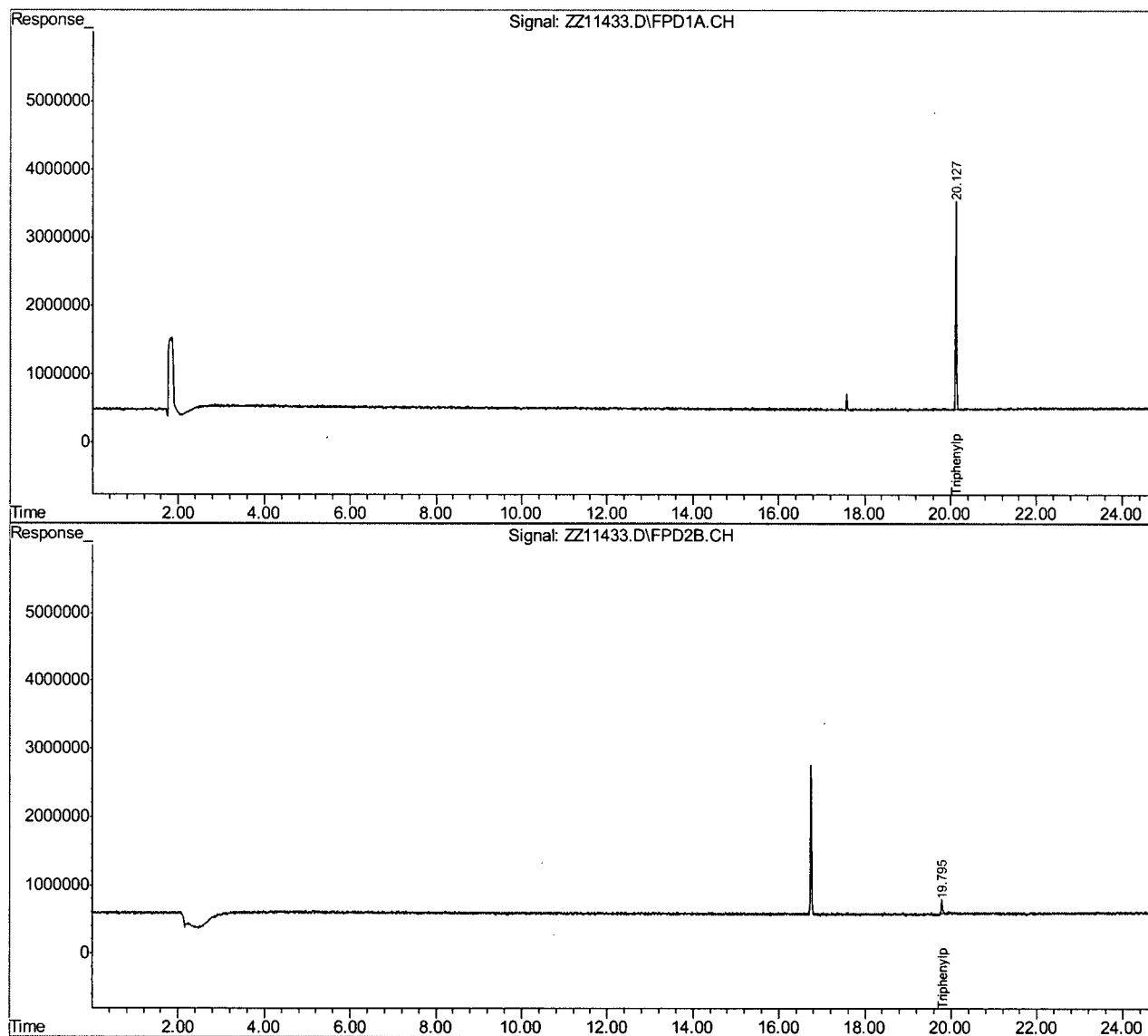
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11433.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 18:18:00
Operator : neilc1
Sample : ja58750-13
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 21 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:58 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : Z211434.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 18:47:20
 Operator : neilcl
 Sample : ja58750-14
 Misc : op34745,gzz438,30.4,,,10,1,soil
 ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:03:36 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.797	37503004	2180293	457.782	128.243 #
Spiked Amount		500.000	Range	48 - 133	Recovery	= 91.56%	25.65%#
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D.	N.D.
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11434.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 18:47:20
Operator : neilc1
Sample : ja58750-14
Misc : op34745,gzz438,30.4,,,10,1,soil
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:36 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

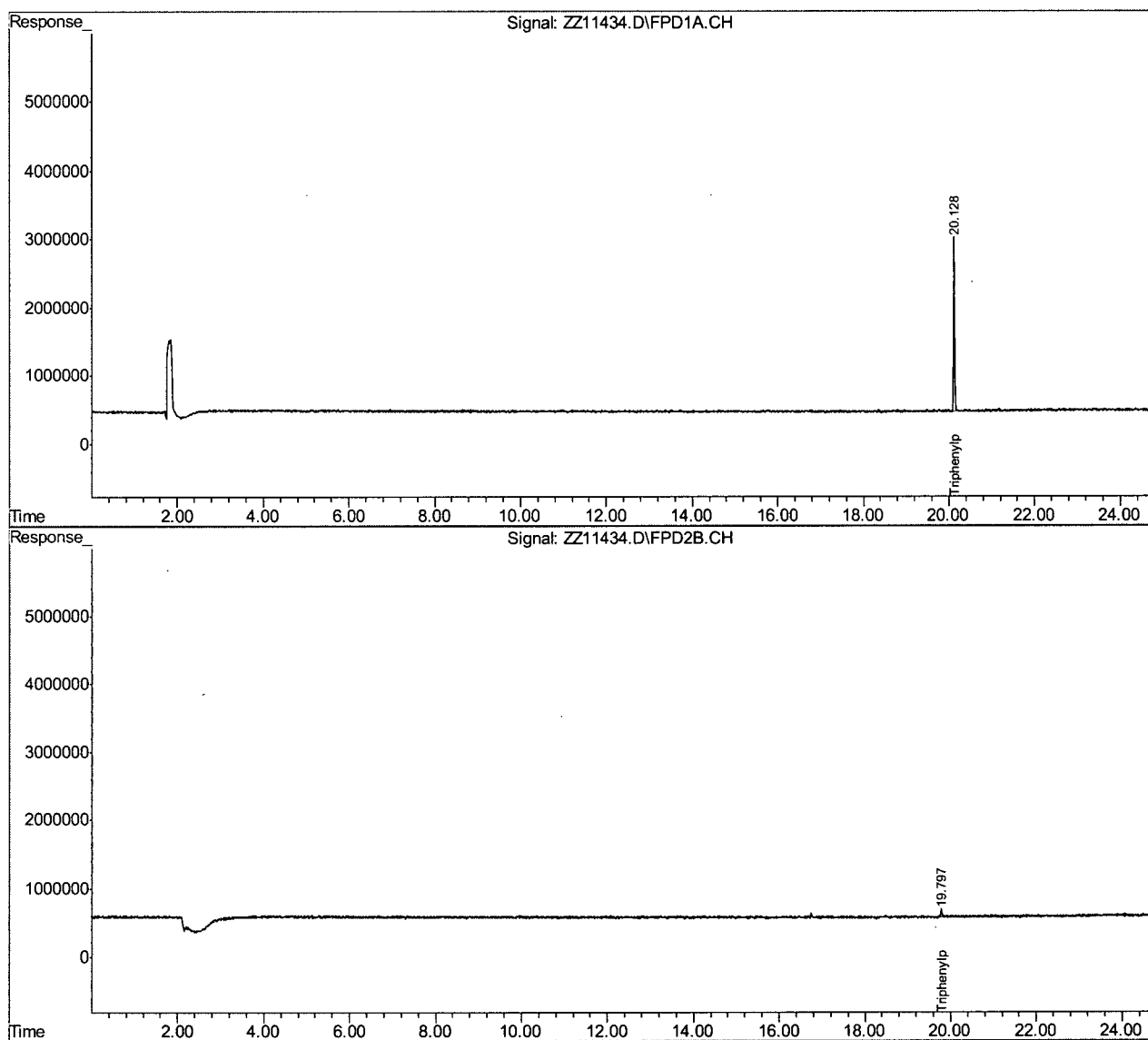
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11434.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 18:47:20
Operator : neilc1
Sample : ja58750-14
Misc : op34745,gzz438,30.4,,,10,1,soil
ALS Vial : 22 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:36 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11435.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 19:16:57
 Operator : neilc1
 Sample : ja58750-15
 Misc : op34745,gzz438,29.8,,,10,1,soil
 ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:26:23 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.795	46335099	3921755	565.591	204.528 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 113.12%	40.91%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D.	N.D.
15) Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11435.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 19:16:57
Operator : neilcl
Sample : ja58750-15
Misc : op34745,gzz438,29.8,,,10,1,soil
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:26:23 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

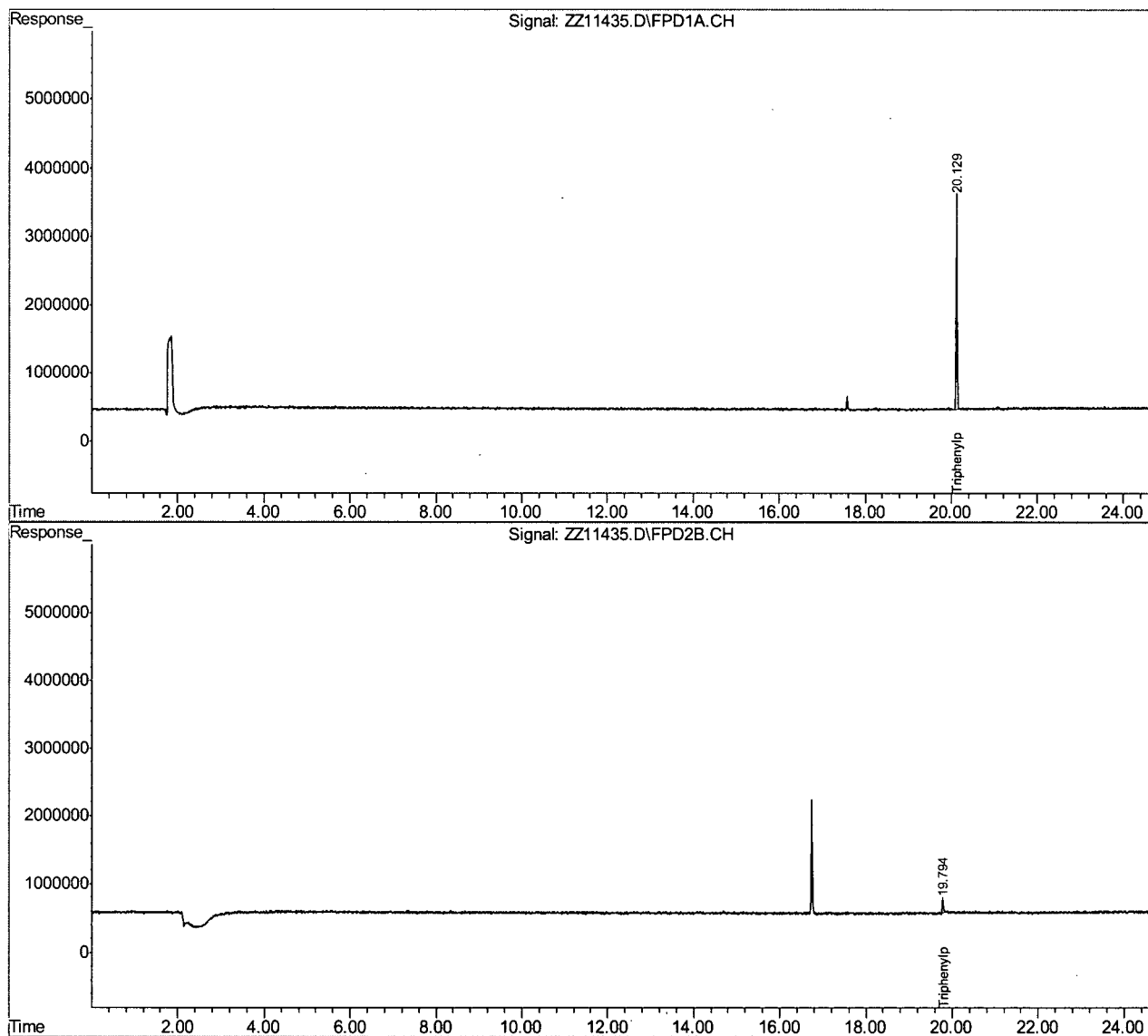
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11435.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 19:16:57
Operator : neilc1
Sample : ja58750-15
Misc : op34745,gzz438,29.8,,,10,1,soil
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:26:23 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11436.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 19:46:18
 Operator : neilcl
 Sample : ja58750-16
 Misc : op34745,gzz438,30.3,,,10,1,soil
 ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:26:46 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.128	19.793	44044759	9372098	537.634	385.291
Spiked Amount		500.000	Range	48 - 133	Recovery	= 107.53%	77.06%
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14)	Diazinon	0.000	0.000	0	0	N.D. d	N.D. d
15)	Disulfoton	0.000	0.000	0	0	N.D. d	N.D. d
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11436.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 19:46:18
Operator : neilc1
Sample : ja58750-16
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:26:46 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

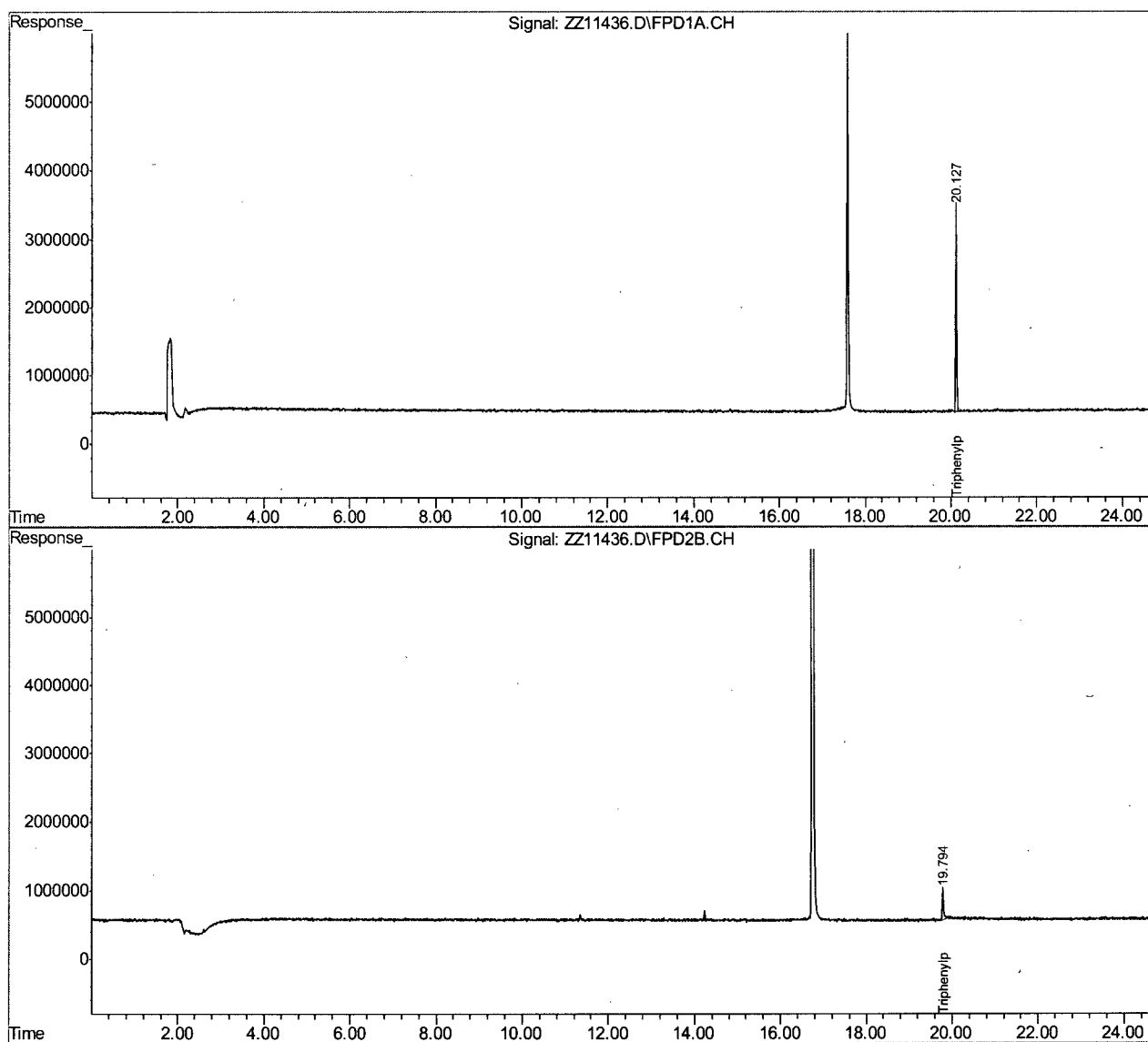
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11436.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 19:46:18
Operator : neilc1
Sample : ja58750-16
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:26:46 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11439.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 21:14:26
 Operator : neilc1
 Sample : ja58750-17
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:27:35 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

	System Monitoring Compounds						
32)	S Triphenyl...	20.129	19.794	38974531	3448571	475.744	185.175 #
	Spiked Amount	500.000 Range	48 - 133	Recovery	=	95.15%	37.04%#
	Target Compounds						
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3)	Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6)	Thionazin	0.000	0.000	0	0	N.D.	N.D.
7)	Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8)	Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9)	Naled	0.000	0.000	0	0	N.D.	N.D.
10)	Phorate	0.000	0.000	0	0	N.D.	N.D.
11)	Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12)	Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13)	Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14)	Diazinon	0.000	0.000	0	0	N.D.	N.D.
15)	Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16)	Ronnel	0.000	0.000	0	0	N.D.	N.D.
17)	Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20)	Fenthion	0.000	0.000	0	0	N.D.	N.D.
21)	Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22)	Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23)	Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24)	Stirophos	0.000	0.000	0	0	N.D.	N.D.
25)	Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26)	Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29)	Bolstar	0.000	0.000	0	0	N.D.	N.D.
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35)	Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11439.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 21:14:26
Operator : neilc1
Sample : ja58750-17
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:27:35 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

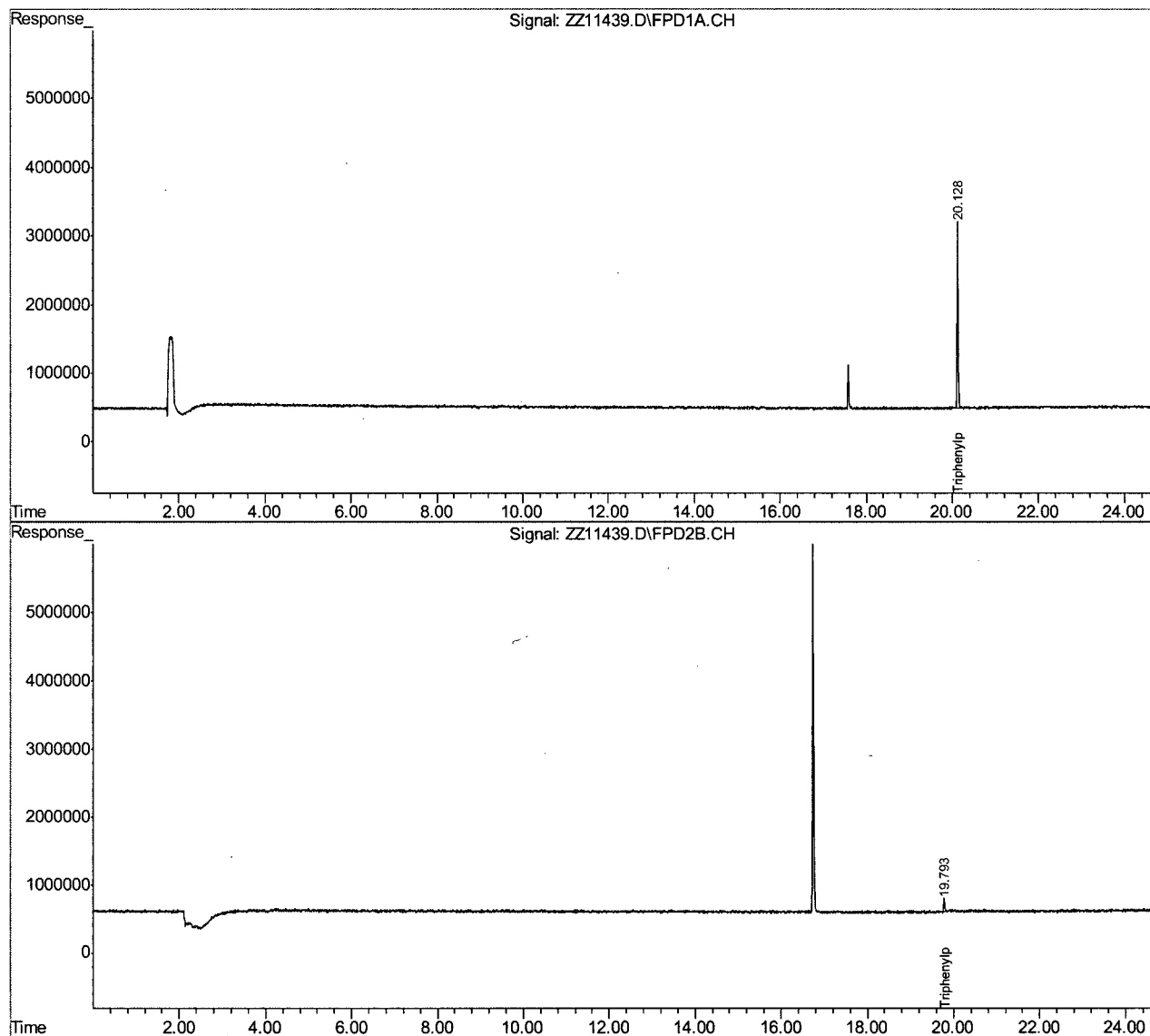
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11439.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 21:14:26
Operator : neilc1
Sample : ja58750-17
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:27:35 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11440.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 21:43:45
 Operator : neilcl
 Sample : ja58750-18
 Misc : op34745,gzz438,29.7,,,10,1,soil
 ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:27:52 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.127	19.792	46932972	9225641	572.889	381.128
Spiked Amount	500.000	Range	48 - 133	Recovery	= 114.58%	76.23%
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D. d	N.D. d
15) Disulfoton	0.000	0.000	0	0	N.D. d	N.D. d
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D. d	N.D. d
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11440.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 21:43:45
Operator : neilc1
Sample : ja58750-18
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:27:52 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

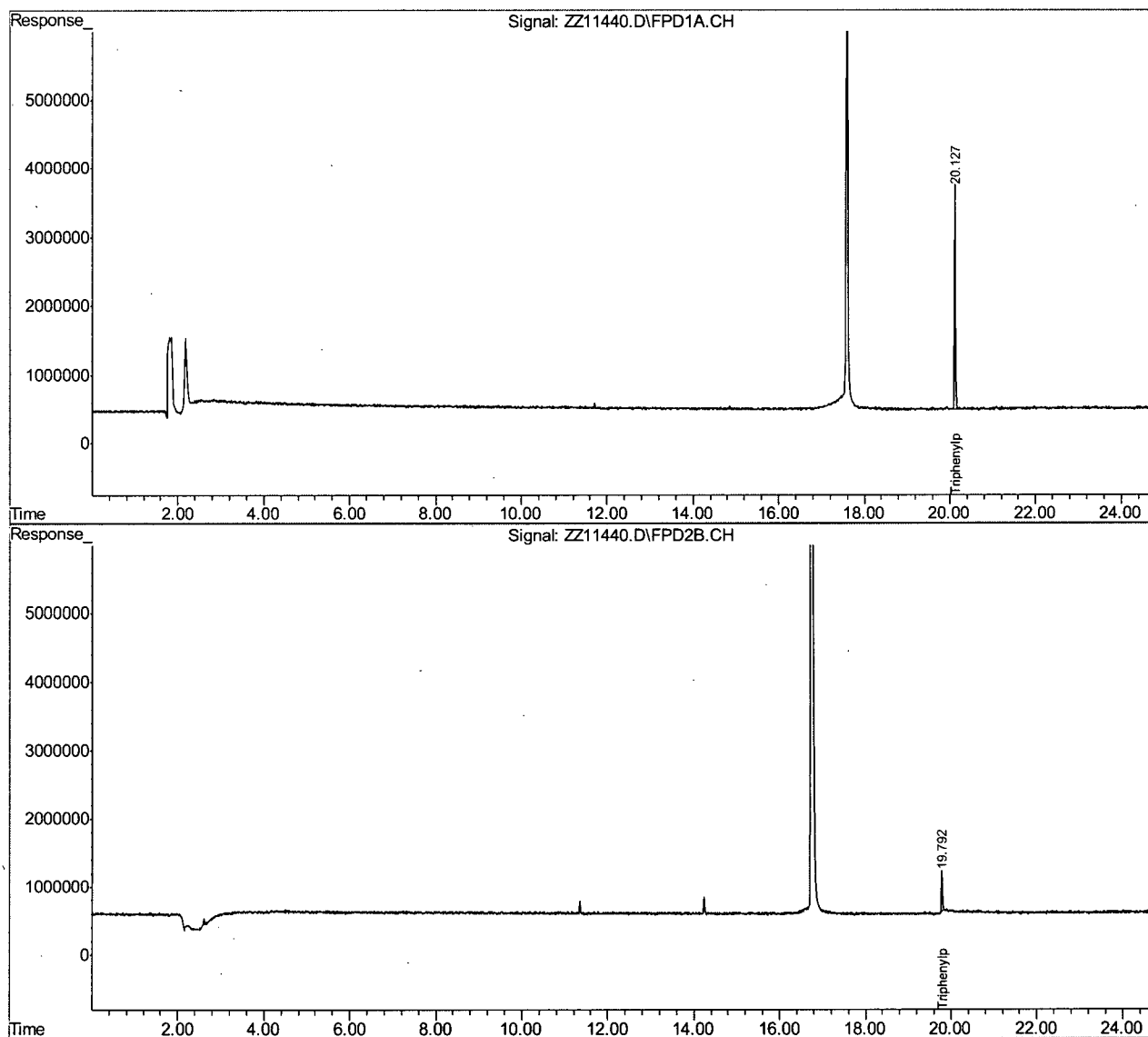
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11440.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 21:43:45
Operator : neilc1
Sample : ja58750-18
Misc : op34745,gzz438,29.7,,,10,1,soil
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:27:52 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11416.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 09:53:08
 Operator : neilcl
 Sample : op34745-mb
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:02:42 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.799	43315216	2781213	528.729	156.254 #
Spiked Amount	500.000	Range	48 - 133	Recovery	= 105.75%	31.25%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	0.000	0.000	0	0	N.D.	N.D.
3) Mevinphos	0.000	0.000	0	0	N.D.	N.D.
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	0.000	0.000	0	0	N.D.	N.D.
6) Thionazin	0.000	0.000	0	0	N.D.	N.D.
7) Ethoprop	0.000	0.000	0	0	N.D.	N.D.
8) Sulfotep	0.000	0.000	0	0	N.D.	N.D.
9) Naled	0.000	0.000	0	0	N.D.	N.D.
10) Phorate	0.000	0.000	0	0	N.D.	N.D.
11) Monocroto...	0.000	0.000	0	0	N.D.	N.D.
12) Demeton-O	0.000	0.000	0	0	N.D.	N.D.
13) Dimethoate	0.000	0.000	0	0	N.D.	N.D.
14) Diazinon	0.000	0.000	0	0	N.D.	N.D.
15) Disulfoton	0.000	0.000	0	0	N.D.	N.D.
16) Ronnel	0.000	0.000	0	0	N.D.	N.D.
17) Methyl Pa...	0.000	0.000	0	0	N.D.	N.D.
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	0.000	0.000	0	0	N.D.	N.D.
20) Fenthion	0.000	0.000	0	0	N.D.	N.D.
21) Trichloro...	0.000	0.000	0	0	N.D.	N.D.
22) Ethyl Par...	0.000	0.000	0	0	N.D.	N.D.
23) Merphos	0.000	0.000	0	0	N.D.	N.D.
24) Stirophos	0.000	0.000	0	0	N.D.	N.D.
25) Tokuthion	0.000	0.000	0	0	N.D.	N.D.
26) Merphos O...	0.000	0.000	0	0	N.D.	N.D.
27) Ethion	0.000	0.000	0	0	N.D.	N.D.
28) Fensulfot...	0.000	0.000	0	0	N.D.	N.D.
29) Bolstar	0.000	0.000	0	0	N.D.	N.D.
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	0.000	0.000	0	0	N.D.	N.D.
35) Coumaphos	0.000	0.000	0	0	N.D.	N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11416.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 09:53:08
Operator : neilcl
Sample : op34745-mb
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:02:42 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

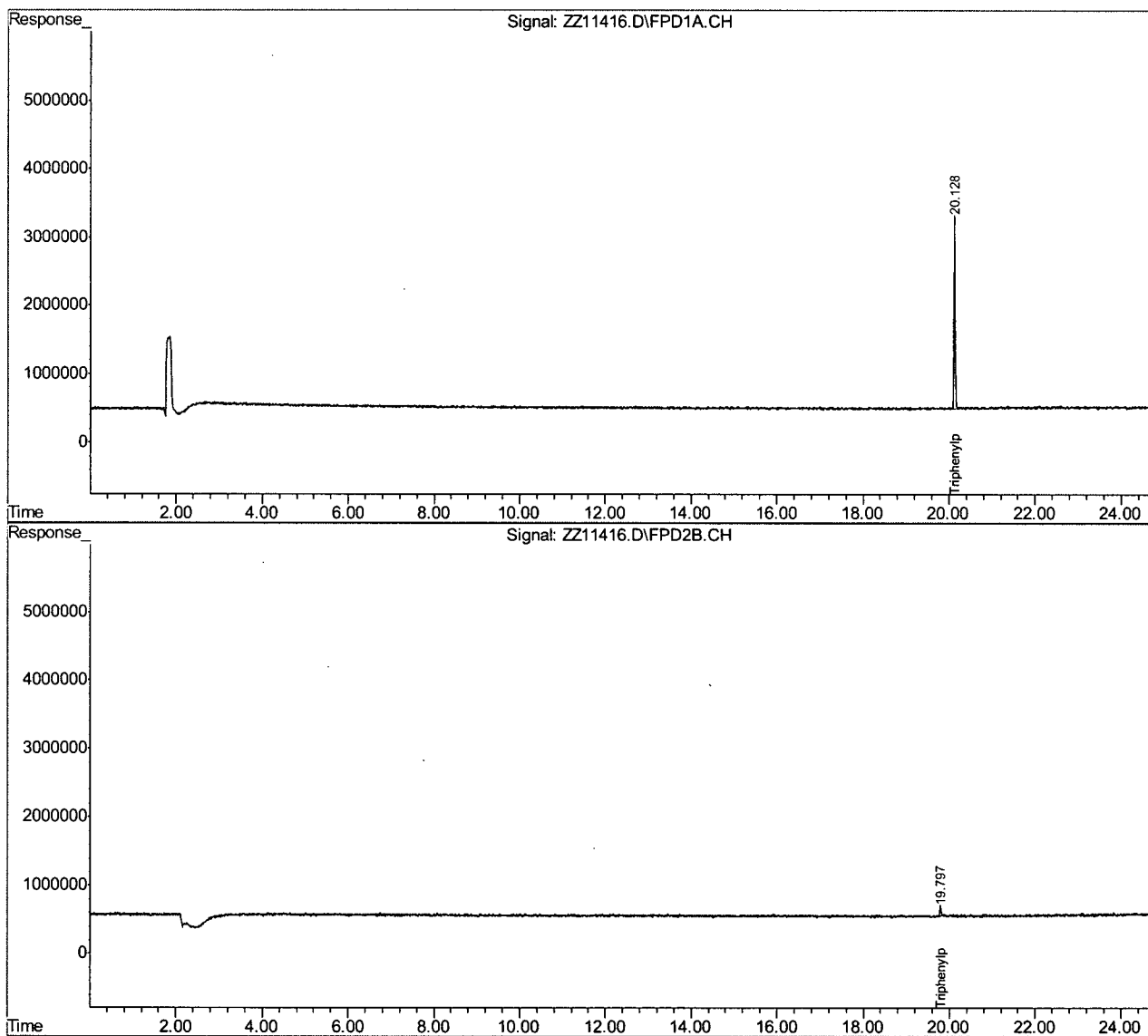
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11416.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 09:53:08
Operator : neilc1
Sample : op34745-mb
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:02:42 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11415.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 09:23:50
 Operator : neilcl
 Sample : op34745-bs
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:17:25 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.130	19.796	43595096	5716001	532.145	271.223 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 106.43%	54.24%
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	8.250	8.466	103.2E6	140.5E6	336.065	280.372
3)	Mevinphos	10.427	10.486	54586411	93584561	432.412	431.266
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	12.212	12.344	20323849	27226755	564.924	388.608
6)	Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7)	Ethoprop	12.501	12.582	73205786	92554648	579.850	447.833
8)	Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9)	Naled	12.875	12.829	20755757	31263382	438.254	370.006
10)	Phorate	13.110	13.182	72073627	109.0E6	560.456	391.727
11)	Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12)	Demeton-O	13.560	13.504	36525487	48121088	359.168	397.458
13)	Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14)	Diazinon	13.990	14.230	74671794	97756365	576.423	477.910
15)	Disulfoton	14.326	14.335	63968089	95763015	516.597	445.125
16)	Ronnel	15.470	15.161	68898887	101.4E6	595.905	521.786
17)	Methyl Pa...	15.554	15.463	74025188	102.0E6	608.132	535.517
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	16.083	16.126	64409012	101.1E6	602.543	294.280 #
20)	Fenthion	16.297	16.077	72863905	102.5E6	492.723	446.261
21)	Trichloro...	16.365	16.398	63791005	103.5E6	571.984	513.341
22)	Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Merphos	18.107f	17.960f	35338990	34813819	550.258m	234.017m#
24)	Stirophos	17.707	17.467	49209993	52581873	562.908	431.221
25)	Tokuthion	17.962	17.844	48715646	89187822	542.840	501.975
26)	Merphos O...	18.106	17.959	37541062	37521445	564.064	456.456
27)	Ethion	0.000	0.000	0	0	N.D.	N.D.
28)	Fensulfot...	19.263	18.684	22746687	27322162	380.480	383.626
29)	Bolstar	19.419	19.103	46681851	80022376	543.701	492.603
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	21.325	20.792	35882810	59216067	709.401m	583.083
35)	Coumaphos	22.098	21.671	30872435	48458198	652.553	575.673

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11415.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 09:23:50
Operator : neilc1
Sample : op34745-bs
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:17:25 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

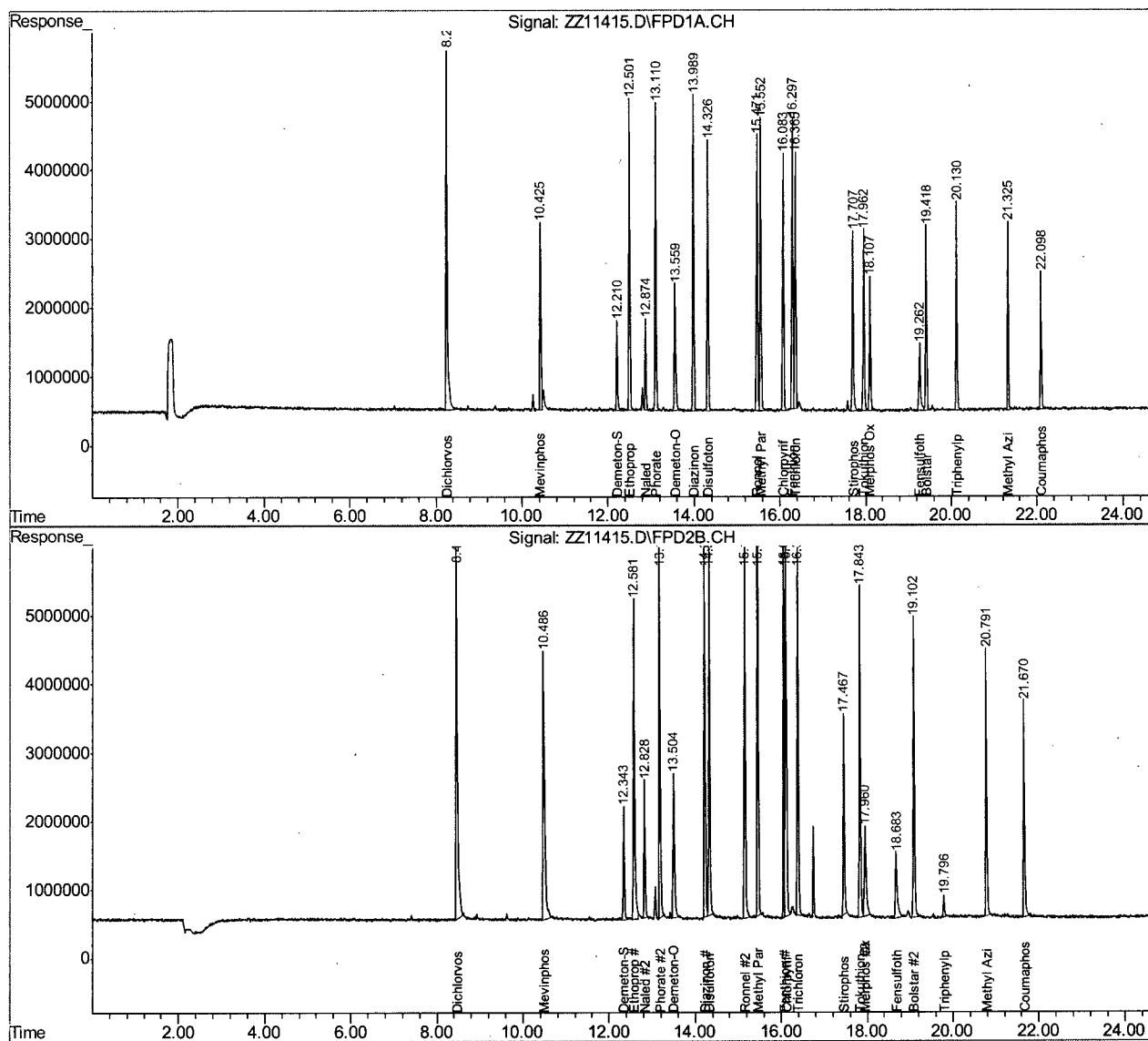
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11415.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 09:23:50
Operator : neilc1
Sample : op34745-bs
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:17:25 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11430.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 16:49:45
 Operator : neilc1
 Sample : op34745-ms
 Misc : op34745,gzz438,30.0,,,10,1,soil
 ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:22:45 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.794	36851009	4421084	449.823	224.065 #
Spiked Amount	500.000 Range	48 - 133	Recovery	=	89.96%	44.81%#
Target Compounds						
1) O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2) Dichlorvos	8.247	8.466	84498793	116.1E6	275.197	231.545
3) Mevinphos	10.422	10.483	51182773	86780623	408.585	404.319
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	12.211	12.345	17955598	24114853	499.096	349.176
6) Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7) Ethoprop	12.499	12.581	59900786	77483697	474.463	386.760
8) Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9) Naled	12.873	12.829	13675141	20818544	297.252	251.253
10) Phorate	13.109	13.182	54416577	81282114	423.152	292.207
11) Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12) Demeton-O	13.556	13.500	38280382	50388416	376.424	414.053
13) Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14) Diazinon	13.989	14.230	63945448	81403797	493.622	397.966
15) Disulfoton	14.325	14.335	55404295	81054099	447.437	376.755
16) Ronnel	15.468	15.161	55078849	80401526	476.376	429.835
17) Methyl Pa...	15.553	15.462	60730885	83536331	498.917	450.642
18) Malathion	0.000	0.000	0	0	N.D.	N.D.
19) Chlorpyrifos	16.082	16.124	52323187	81787878	489.481	242.737 #
20) Fenthion	16.297	16.076	61009751	86870945	412.563	387.015
21) Trichloro...	16.363	16.397	52145423	86208701	467.564	427.770
22) Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23) Merphos	18.102f	17.956f	24735843	23515280	424.241m	159.199m#
24) Stirophos	17.706	17.464	41904973	46375953	495.427	390.857
25) Tokuthion	17.961	17.843	39328165	73214165	438.235	423.870
26) Merphos O...	18.103	17.956	25698968	24415620	386.134	338.130
27) Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28) Fensulfot...	19.258	18.677	31294312	37422648	523.455	464.114
29) Bolstar	19.418	19.101	37163040	66394164	432.836	424.937
30) Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31) Famphur	0.000	0.000	0	0	N.D.	N.D.
33) EPN	0.000	0.000	0	0	N.D.	N.D.
34) Methyl Az...	21.325	20.789	29166615	46697420	576.622	499.442
35) Coumaphos	22.097	21.669	25841038	39594036	546.204	505.581

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11430.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 16:49:45
Operator : neilcl
Sample : op34745-ms
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:22:45 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

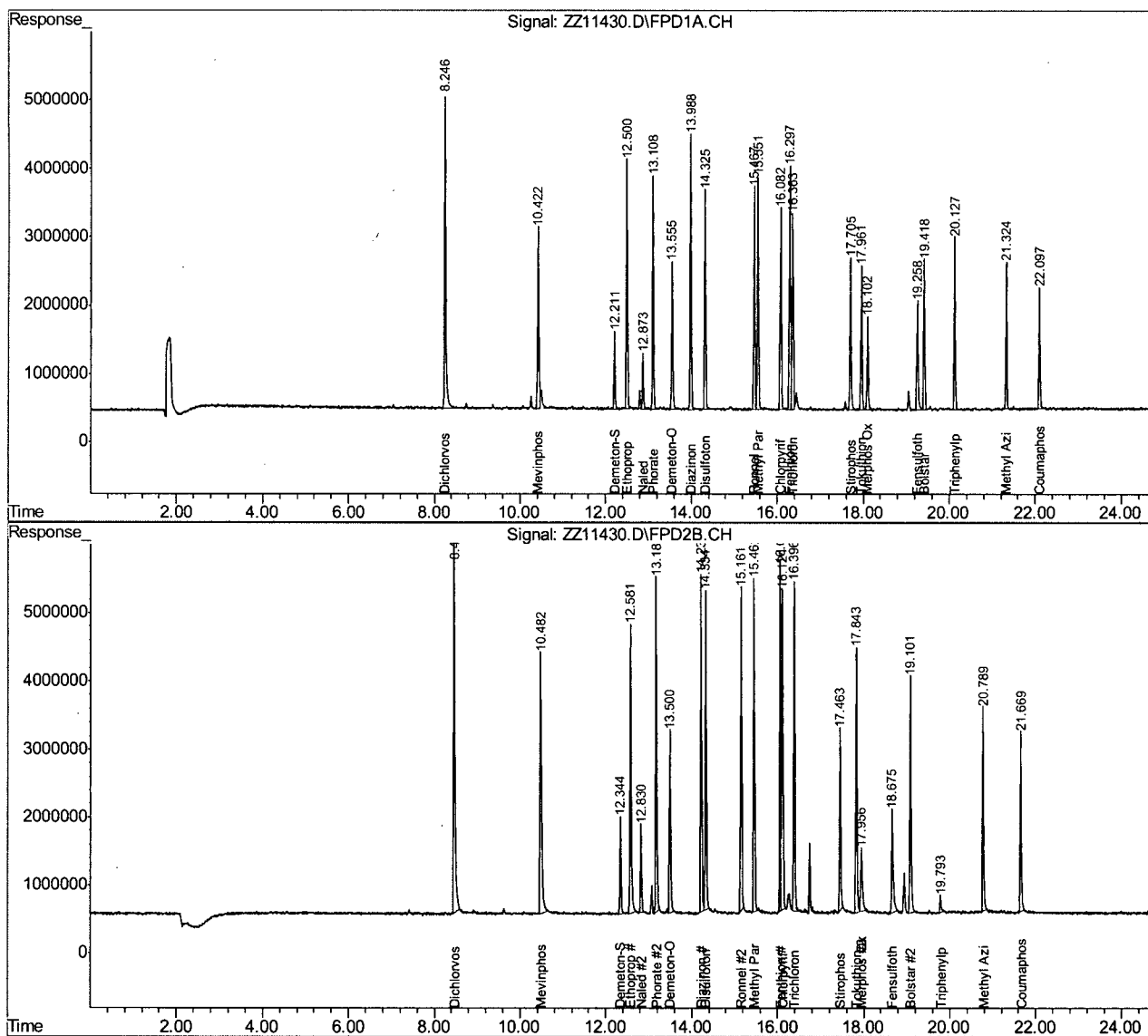
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11430.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 16:49:45
Operator : neilc1
Sample : op34745-ms
Misc : op34745,gzz438,30.0,,,10,1,soil
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:22:45 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11431.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 17:19:14
 Operator : neilcl
 Sample : op34745-msd
 Misc : op34745,gzz438,30.2,,,10,1,soil
 ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:25:23 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.794	46495673	5295078	567.552	256.392 #
	Spiked Amount	500.000	Range	48 - 133	Recovery	= 113.51%	51.28%
Target Compounds							
1)	O,O,O-Tri...	0.000	0.000	0	0	N.D.	N.D.
2)	Dichlorvos	8.246	8.465	100.2E6	141.8E6	326.199	282.887
3)	Mevinphos	10.420	10.479	65338210	113.2E6	505.657	506.159
4)	TEPP	0.000	0.000	0	0	N.D.	N.D.
5)	Demeton-S	12.212	12.345	20937380	29395287	581.978	415.513
6)	Thionazin	0.000	0.000	0	0	N.D. d	N.D. d
7)	Ethoprop	12.499	12.580	71716169	96828567	568.051	464.604
8)	Sulfotep	0.000	0.000	0	0	N.D. d	N.D. d
9)	Naled	12.874	12.828	20785688	32753825	438.835	386.600
10)	Phorate	13.110	13.183	68895472	109.3E6	535.742	393.057
11)	Monocroto...	0.000	0.000	0	0	N.D. d	N.D. d
12)	Demeton-O	13.555	13.498	47634783	61512301	468.410	493.378
13)	Dimethoate	0.000	0.000	0	0	N.D. d	N.D. d
14)	Diazinon	13.990	14.229	74095574	99644884	571.975	487.143
15)	Disulfoton	14.326	14.334	65412703	104.1E6	528.263	483.808
16)	Ronnel	15.470	15.162	66244607	106.2E6	572.949	541.750
17)	Methyl Pa...	15.554	15.463	75427180	102.3E6	619.650	536.876
18)	Malathion	0.000	0.000	0	0	N.D.	N.D.
19)	Chlorpyrifos	16.083	16.126	62033576	100.7E6	580.321	293.179 #
20)	Fenthion	16.297	16.076	73523042	105.7E6	497.180	458.293
21)	Trichloro...	16.365	16.396	61582380	100.6E6	552.181	499.015
22)	Ethyl Par...	0.000	0.000	0	0	N.D. d	N.D. d
23)	Merphos	18.103f	17.958f	31807734	33729693	508.289m	226.883m#
24)	Stirophos	17.706	17.465	50920999	57457195	578.222	461.783
25)	Tokuthion	17.962	17.842	47054175	85831209	524.326	485.872
26)	Merphos O...	18.104	17.958	32400863	33722379	486.831	424.270
27)	Ethion	0.000	0.000	0	0	N.D. d	N.D. d
28)	Fensulfot...	19.257	18.674	43534584	55188853	728.196	583.465
29)	Bolstar	19.419	19.101	43800234	78711011	510.139	486.269
30)	Carbophen...	0.000	0.000	0	0	N.D.	N.D.
31)	Famphur	0.000	0.000	0	0	N.D.	N.D.
33)	EPN	0.000	0.000	0	0	N.D.	N.D.
34)	Methyl Az...	21.325	20.790	38547647	64410094	762.085	615.377
35)	Coumaphos	22.097	21.669	34794036	55007767	735.444	623.709

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11431.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 17:19:14
Operator : neilc1
Sample : op34745-msd
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:23 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

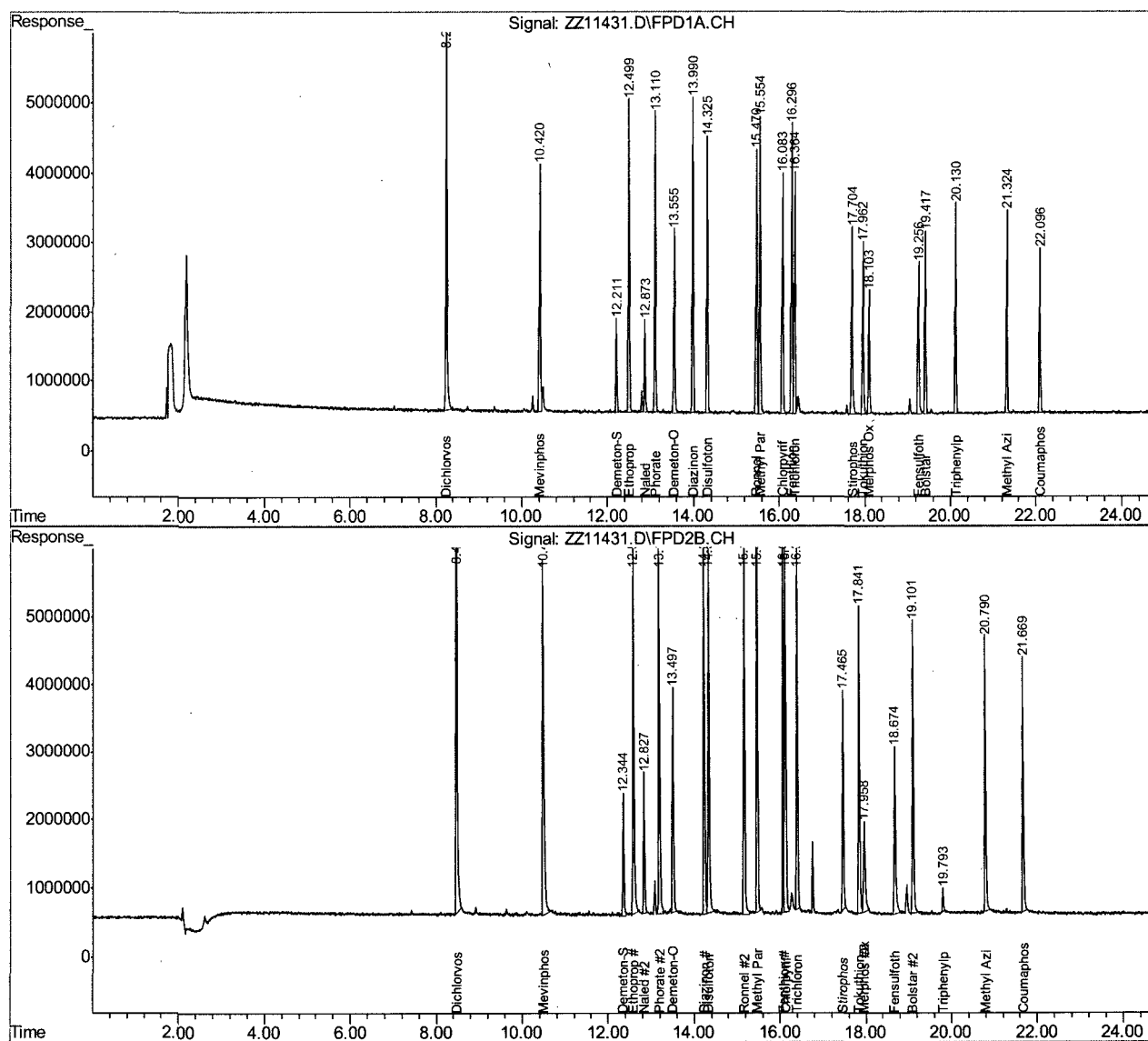
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11431.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 17:19:14
Operator : neilc1
Sample : op34745-msd
Misc : op34745,gzz438,30.2,,,10,1,soil
ALS Vial : 19 (Sig #1): 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:25:23 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

```
Volume Inj.      : 1ul
Signal #1 Phase  : MR-1          Signal #2 Phase: DB-5
Signal #1 Info   : 0.32          Signal #2 Info : 0.32
```



8141-1013.m Thu Oct 21 07:31:52 2010

Page: 3

Quantitation Report (QT Reviewed)

Manual Integrations
APPROVED
(compounds with "m" flag)Mike Eger
10/14/10 09:59

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11403.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 07:51:14
 Operator : neilcl
 Sample : ic437-50
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 08:24:25 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1006.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Tue Oct 12 12:27:39 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.132	19.806	3808855	645916	30.703	4.191m#
Spiked Amount	500.000	Range	55 - 128	Recovery =	6.14%#	0.84%#
Target Compounds						
1) O,O,O-Tri...	7.046	7.423	12689948	18270470	37.690	44.772
2) Dichlorvos	8.251	8.473	15342514	25955603	37.627	51.414
3) Mevinphos	10.501f	10.583f	4586418	7880790	25.919	33.906m
4) TEPP	0.000	0.000	0	0	N.D.	N.D.
5) Demeton-S	12.217	12.347	1179066	3447900	24.358m	46.736 #
6) Thionazin	12.259	12.292	6231810	8831577	32.544	36.397
7) Ethoprop	12.522	12.604	5875300	7150598	31.467	28.561
8) Sulfotep	12.806	13.079	10875518	17844084	33.660	31.751
9) Naled	12.885	12.842	5011691	8480685	44.124	57.578
10) Phorate	13.112	13.188	5818948	9407927	34.194	36.147
11) Monocroto...	13.479	0.000	3200024	0	24.679m	N.D. d#
12) Demeton-O	13.588	13.525	6714208	1875616	42.046	12.625 #
13) Dimethoate	13.906	13.553	3631626	8837310	21.053	34.194m#
14) Diazinon	13.993	14.238	6641450	9727441	38.425	46.123
15) Disulfoton	14.328	14.339	5946660	9274880	36.532	42.499
16) Ronnel	15.472	15.167	5750910	7889711	39.916	34.908
17) Methyl Pa...	15.559	15.468	5783580	7751263	32.296	42.111
18) Malathion	15.947	15.898	4449650	7127748	31.537	37.621
19) Chlorpyrifos	16.085	16.133	4852865	15331714	34.065	37.421
20) Fenthion	16.299	16.081	6766688	9585983	34.609	41.561
21) Trichloro...	16.366	16.400	5241254	8870177	36.580	48.520
22) Ethyl Par...	16.455	16.133	5421312	15331714	27.024	37.421
23) Merphos	16.747	16.817	10426481	24254262	112.408	165.423 #
24) Stirophos	17.710	17.474	3446053	3640765	24.398	20.560
25) Tokuthion	17.964	17.846	4883736	8033138	39.589	47.208
26) Merphos O...	18.110	17.957	3183425	1959057	31.414	13.985m#
27) Ethion	19.003	18.876	7132787	9944812	28.724	30.023
28) Fensulfot...	19.300	18.734	2015546	1125496	19.040m	7.996m#
29) Bolstar	19.421	19.106	3918526	6252391	29.707	34.775
30) Carbophen...	19.665	19.287	3696391	5580015	30.636	32.150
31) Famphur	19.791	19.248	3403800	3963060	22.852	22.187
33) EPN	20.710	20.290	3239012	4533008	26.730	28.588
34) Methyl Az...	21.329	20.797	1768729	2186843	20.920	18.153
35) Coumaphos	22.101	21.677	2376966	2654097	29.406	24.592

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11403.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 07:51:14
Operator : neilcl
Sample : ic437-50
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 08:24:25 2010
Quant Method : C:\msdchem\2\METHODS\8141-1006.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Tue Oct 12 12:27:39 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

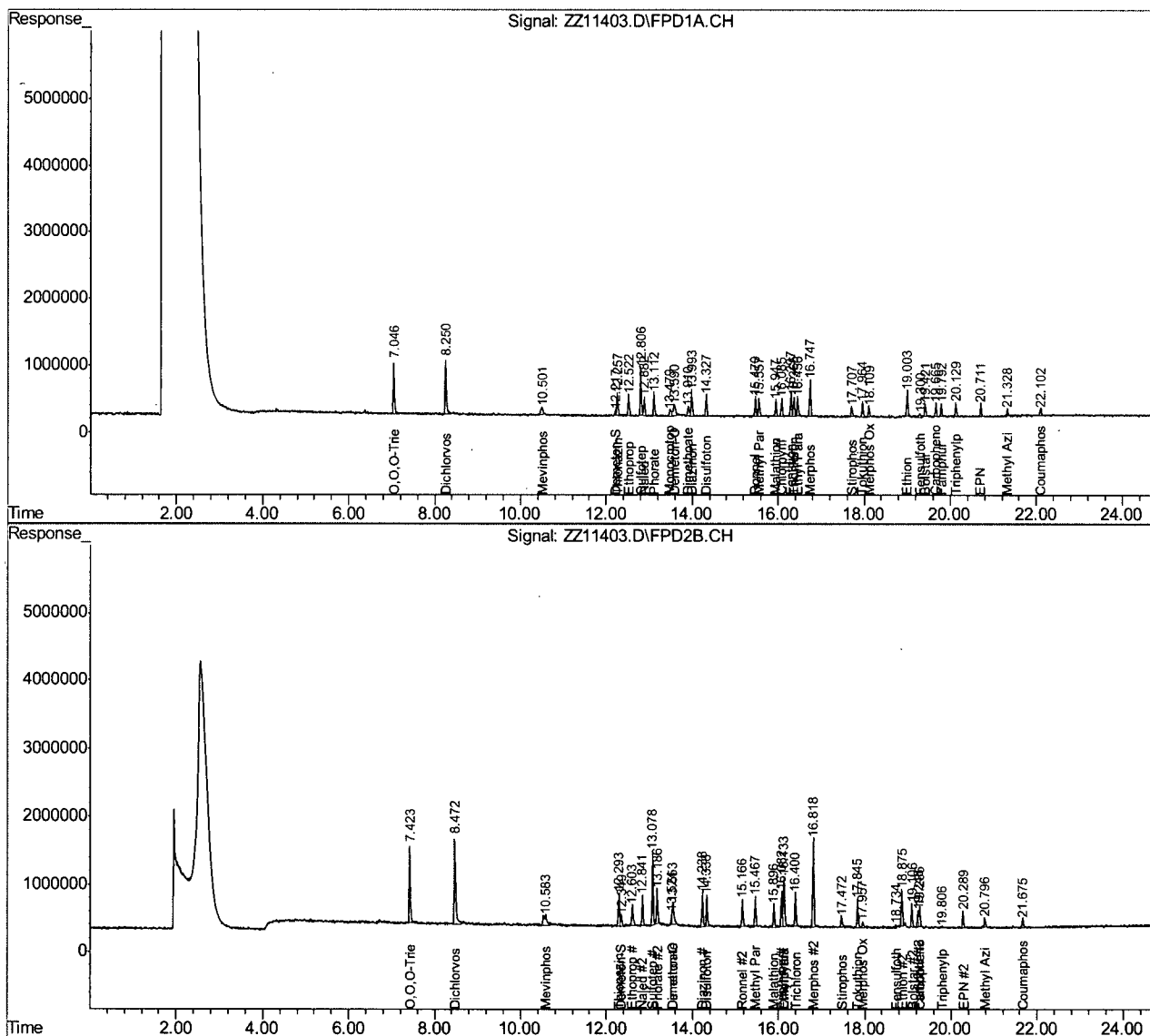
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11403.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 07:51:14
Operator : neilc1
Sample : ic437-50
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 08:24:25 2010
Quant Method : C:\msdchem\2\METHODS\8141-1006.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Tue Oct 12 12:27:39 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11404.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 08:20:34
 Operator : neilc1
 Sample : ic437-100
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 09:08:53 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1006.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Tue Oct 12 12:27:39 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.131	19.799	7851809	2359845	63.293	15.310m#
	Spiked Amount	500.000	Range	55 - 128	Recovery	= 12.66%#	3.06%#
Target Compounds							
1)	O,O,O-Tri...	7.045	7.422	25681825	37334921	76.277	91.490
2)	Dichlorvos	8.249	8.471	29676294	49868604	72.779	98.782
3)	Mevinphos	10.447	10.515f	10845713	19003496	61.292m	81.760m
4)	TEPP	11.946	0.000	2073357	0	13.175m	N.D. #
5)	Demeton-S	12.213	12.348	2889002	7048270	59.684	95.540 #
6)	Thionazin	12.257	12.289	12528181	18787892	65.425	77.430
7)	Ethoprop	12.513	12.596	12508457	15613474	66.993	62.363
8)	Sulfotep	12.805	13.078	22747970	42598248	70.406	75.798
9)	Naled	12.880	12.835	13909233	24678073	122.460	167.548
10)	Phorate	13.111	13.186	12685525	21452857	74.543	82.426
11)	Monocroto...	13.454	0.000	12282691	0	94.725	N.D. d#
12)	Demeton-O	13.572	13.523	11750880	8652027	73.587	58.239m
13)	Dimethoate	13.898	13.540	8684033	17635689	50.343	68.237m
14)	Diazinon	13.991	14.235	12535471	18352450	72.526	87.018
15)	Disulfoton	14.327	14.338	12184742	19037188	74.855	87.231
16)	Ronnel	15.471	15.165	10676474	15864324	74.103	70.191
17)	Methyl Pa...	15.556	15.466	10836267	16910142	60.511	91.869 #
18)	Malathion	15.946	15.895	9262226	13455344	65.646	71.018
19)	Chlorpyrifos	16.084	16.133	10200788	32629863	71.606	79.642
20)	Fenthion	16.297	16.079	14164276	19881538	72.444	86.100
21)	Trichloro...	16.365	16.400	10860300	19076248	75.797	104.347
22)	Ethyl Par...	16.454	16.133	12322369	32629863	61.423	79.642
23)	Merphos	16.745	16.817	26742490	58207628	285.221	396.997
24)	Stirophos	17.709	17.472	7424960	8050719	52.568	45.463
25)	Tokuthion	17.963	17.843	8164383	16058932	66.183	94.374 #
26)	Merphos O...	18.107	17.963	6569475	4579415	64.827	32.690 #
27)	Ethion	19.000	18.875	14711465	21569644	59.243	65.118
28)	Fensulfot...	19.277	18.701	4532409	2821141	42.816	20.042 #
29)	Bolstar	19.418	19.104	7798368	13133867	59.121	73.048
30)	Carbophen...	19.664	19.285	7784422	12021447	64.519	69.263
31)	Famphur	19.788	19.246	8084666	9926584	54.278	55.574
33)	EPN	20.709	20.288	7608457	9116453	62.788	57.494
34)	Methyl Az...	21.326	20.794	4350633	7006190	51.458	58.157
35)	Coumaphos	22.098	21.674	4169183	6648619	51.577	61.603

Quantitation Report- (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11404.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 08:20:34
Operator : neilc1
Sample : ic437-100
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 09:08:53 2010
Quant Method : C:\msdchem\2\METHODS\8141-1006.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Tue Oct 12 12:27:39 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

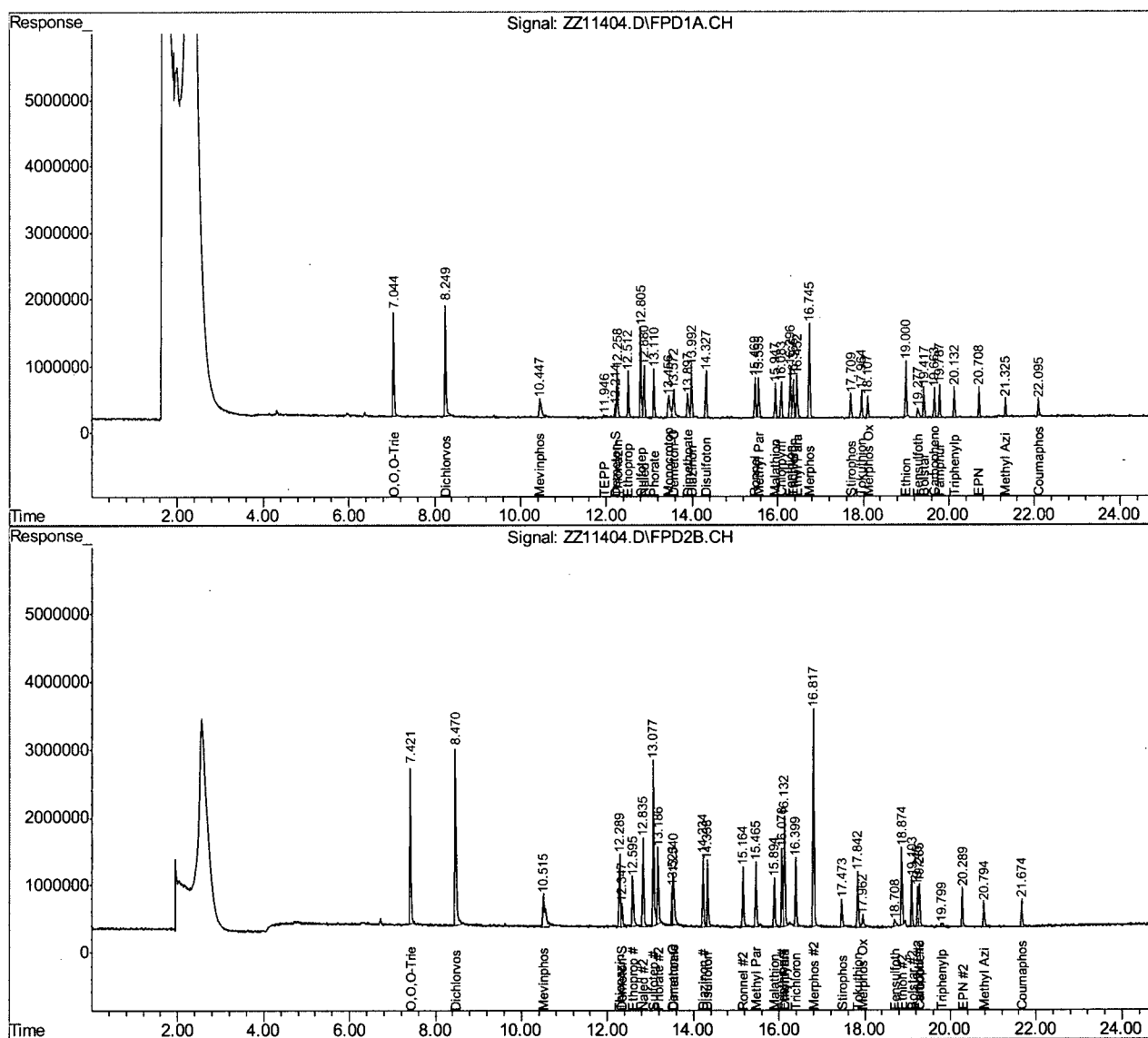
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11404.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 08:20:34
Operator : neilc1
Sample : ic437-100
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 3 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 09:08:53 2010
Quant Method : C:\msdchem\2\METHODS\8141-1006.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Tue Oct 12 12:27:39 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11405.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 08:49:50
 Operator : neilcl
 Sample : ic437-200
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 09:46:22 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 09:10:18 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.129	19.798	17081831	4626554	220.845	253.393
Spiked Amount		500.000 Range	55 - 128	Recovery	=	44.17%#	50.68%#
Target Compounds							
1)	O,O,O-Tri...	7.044	7.422	52892671	81735555	207.172	221.278
2)	Dichlorvos	8.246	8.466	64513568	99538585	213.758	195.596
3)	Mevinphos	10.425	10.485	20928063	37261078	209.087	214.359
4)	TEPP	11.884	11.971	31096608	31720143	5999.278	NoCal #
5)	Demeton-S	12.211	12.347	6928111	13837174	264.072	198.467
6)	Thionazin	12.254	12.286	27602640	43752723	220.894	240.063
7)	Ethoprop	12.505	12.588	26130012	37231854	215.425	248.920
8)	Sulfotep	12.804	13.075	48138413	103.8E6	216.357	265.297m
9)	Naled	12.874	12.831	41444763	71298453	1385.382	1369.825
10)	Phorate	13.110	13.184	26715778	47390285	219.671	235.370
11)	Monocroto...	13.423	13.057	42281792	15350455	1522.823	NoCal m#
12)	Demeton-O	13.558	13.504	22214310	23650479	176.449	381.359 #
13)	Dimethoate	13.888	13.532	21877239	43998893	274.369	249.213
14)	Diazinon	13.989	14.232	26736203	40517360	207.110	214.336
15)	Disulfoton	14.326	14.337	25689874	41171393	213.388	219.073
16)	Ronnel	15.470	15.163	23441901	38260099	211.395	241.818
17)	Methyl Pa...	15.554	15.464	24659082	37358203	220.137	230.516
18)	Malathion	15.943	15.895	20509229	33752661	225.854	243.606
19)	Chlorpyrifos	16.082	16.132	22304024	73332059	224.088	231.721
20)	Fenthion	16.296	16.077	30853155	46091340	222.785	214.337
21)	Trichloro...	16.365	16.399	23007897	40971517	215.603	222.571
22)	Ethyl Par...	16.453	16.132	27273826	73332059	235.474	231.721
23)	Merphos	16.744	16.815	59235944	135.2E6	678.229	1013.689 #
24)	Stirophos	17.706	17.468	17005660	23140079	237.558	301.848
25)	Tokuthion	17.960	17.843	17769035	35845940	198.184	223.164
26)	Merphos O...	18.106	17.958	13749683	11152186	212.575	262.481
27)	Ethion	18.999	18.873	32957510	55602484	227.473	268.227
28)	Fensulfot...	19.265	18.692	12933133	15610437	302.052	576.646 #
29)	Bolstar	19.418	19.102	17442160	31103183	223.111	242.627
30)	Carbophen...	19.662	19.283	16774068	28729329	221.043	247.865
31)	Famphur	19.787	19.245	17946626	26643340	241.019	298.480
33)	EPN	20.708	20.288	15427719	23654411	219.043	260.189
34)	Methyl Az...	21.326	20.792	11122722	18706415	282.013	328.763
35)	Coumaphos	22.098	21.672	11100152	17023660	248.795	284.752

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11405.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 08:49:50
Operator : neilc1
Sample : ic437-200
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 09:46:22 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 09:10:18 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

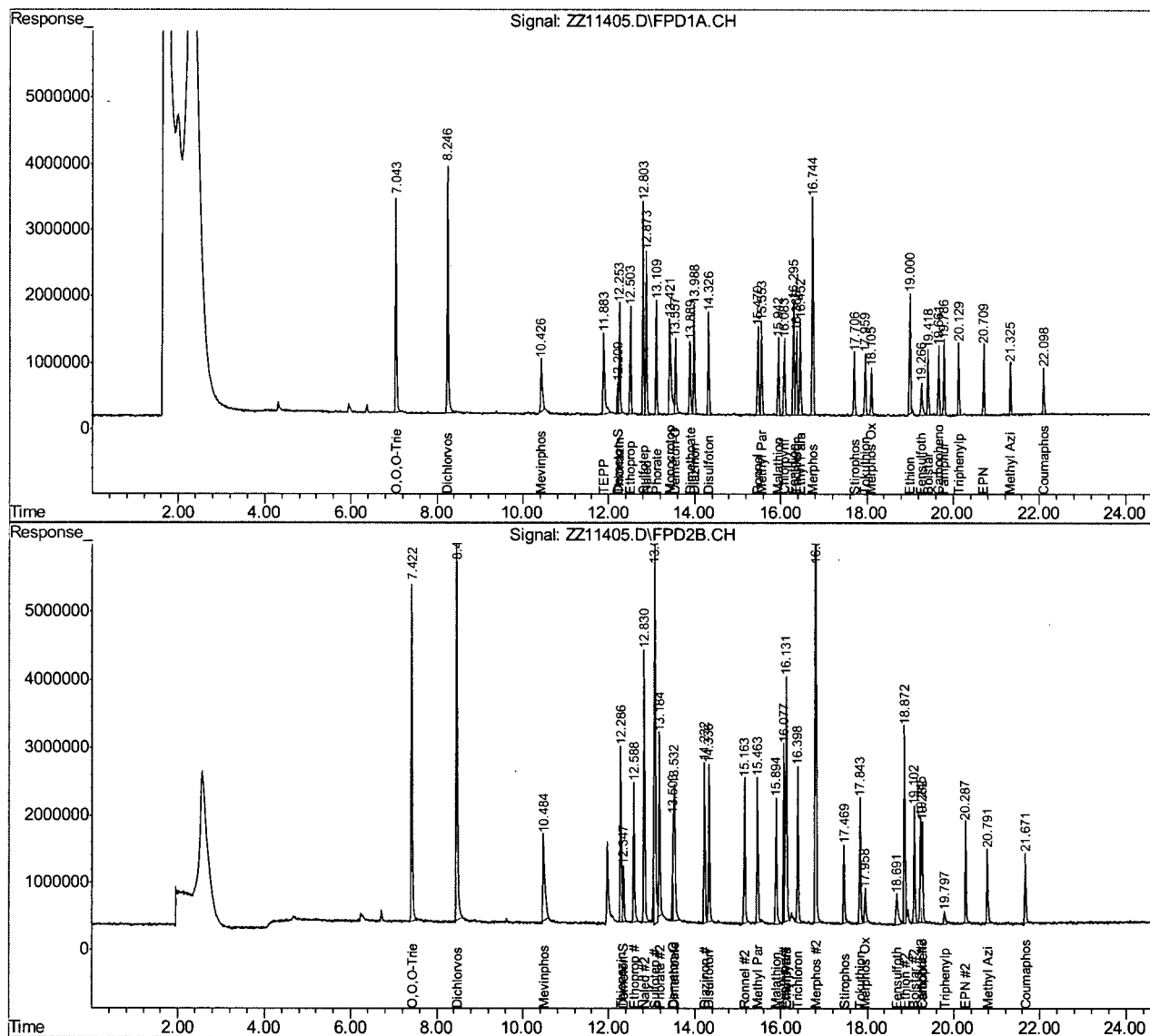
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11405.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 08:49:50
Operator : neilc1
Sample : ic437-200
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 4 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 09:46:22 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 09:10:18 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11406.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 09:45:46
 Operator : neilc1
 Sample : icc437-400
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 10:10:38 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 09:47:03 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.797	28111414	10435683	351.240	459.013
Spiked Amount		500.000	Range	55 - 128	Recovery	= 70.25%	91.80%
Target Compounds							
1)	O,O,O-Tri...	7.043	7.423	104.0E6	161.8E6	402.410	422.965
2)	Dichlorvos	8.244	8.466	124.4E6	206.3E6	402.988	408.332
3)	Mevinphos	10.412	10.470	51200518	87356243	503.899	490.806
4)	TEPP	11.852	11.930	97148409	150.0E6	1256.501	3782.298 #
5)	Demeton-S	12.210	12.345	13204817	26257904	314.481	377.582
6)	Thionazin	12.251	12.283	53073097	90385585	410.432	464.887
7)	Ethoprop	12.498	12.582	49083345	84924875	394.518	362.664
8)	Sulfotep	12.801	13.074	89297240	219.1E6	390.694	335.258
9)	Naled	12.870	12.827	87617319	155.0E6	1237.551	1263.397
10)	Phorate	13.108	13.184	49189616	104.5E6	391.623	489.922
11)	Monocroto...	13.411	13.034	84593894	66347268	1153.621	3457.736 #
12)	Demeton-O	13.551	13.496	36953250	48608251	325.858	303.046
13)	Dimethoate	13.882	13.525	42336410	97739492	312.227	511.638 #
14)	Diazinon	13.987	14.230	48678263	80977508	372.666	418.373
15)	Disulfoton	14.323	14.336	47403537	83802467	385.155	432.175
16)	Ronnel	15.469	15.161	44468223	75492221	393.533	446.050
17)	Methyl Pa...	15.552	15.463	46107321	74186854	398.244	435.609
18)	Malathion	15.942	15.894	38982286	71723580	411.551	482.584
19)	Chlorpyrifos	16.081	16.131	40976116	146.9E6	395.796	440.991
20)	Fenthion	16.294	16.076	56069164	92953856	390.053	341.789
21)	Trichloro...	16.362	16.398	43049171	79256797	393.182	414.940
22)	Ethyl Par...	16.451	16.131	49601854	146.9E6	404.342	440.991
23)	Merphos	16.743	16.815	117.5E6	279.4E6	1338.467	1923.305 #
24)	Stirophos	17.703	17.465	33147865	49815031	435.776	321.227
25)	Tokuthion	17.960	17.843	33866872	71500453	378.875	428.590
26)	Merphos O...	18.104	17.958	25610997	34525667	387.827	432.108
27)	Ethion	18.997	18.873	64895741	116.5E6	428.300	329.456
28)	Fensulfot...	19.261	18.686	19813806	25629779	261.582	252.810
29)	Bolstar	19.416	19.102	33174130	64592201	408.607	470.443
30)	Carbophen...	19.661	19.283	31072088	57580050	395.584	460.074
31)	Famphur	19.785	19.244	30409249	49645941	382.257	297.212
33)	EPN	20.706	20.286	24449135	40143114	336.451	288.658
34)	Methyl Az...	21.323	20.791	14646154	27706495	240.827	254.796
35)	Coumaphos	22.095	21.671	12914300	20695343	267.687	228.098

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11406.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 09:45:46
Operator : neilcl
Sample : icc437-400
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 10:10:38 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 09:47:03 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

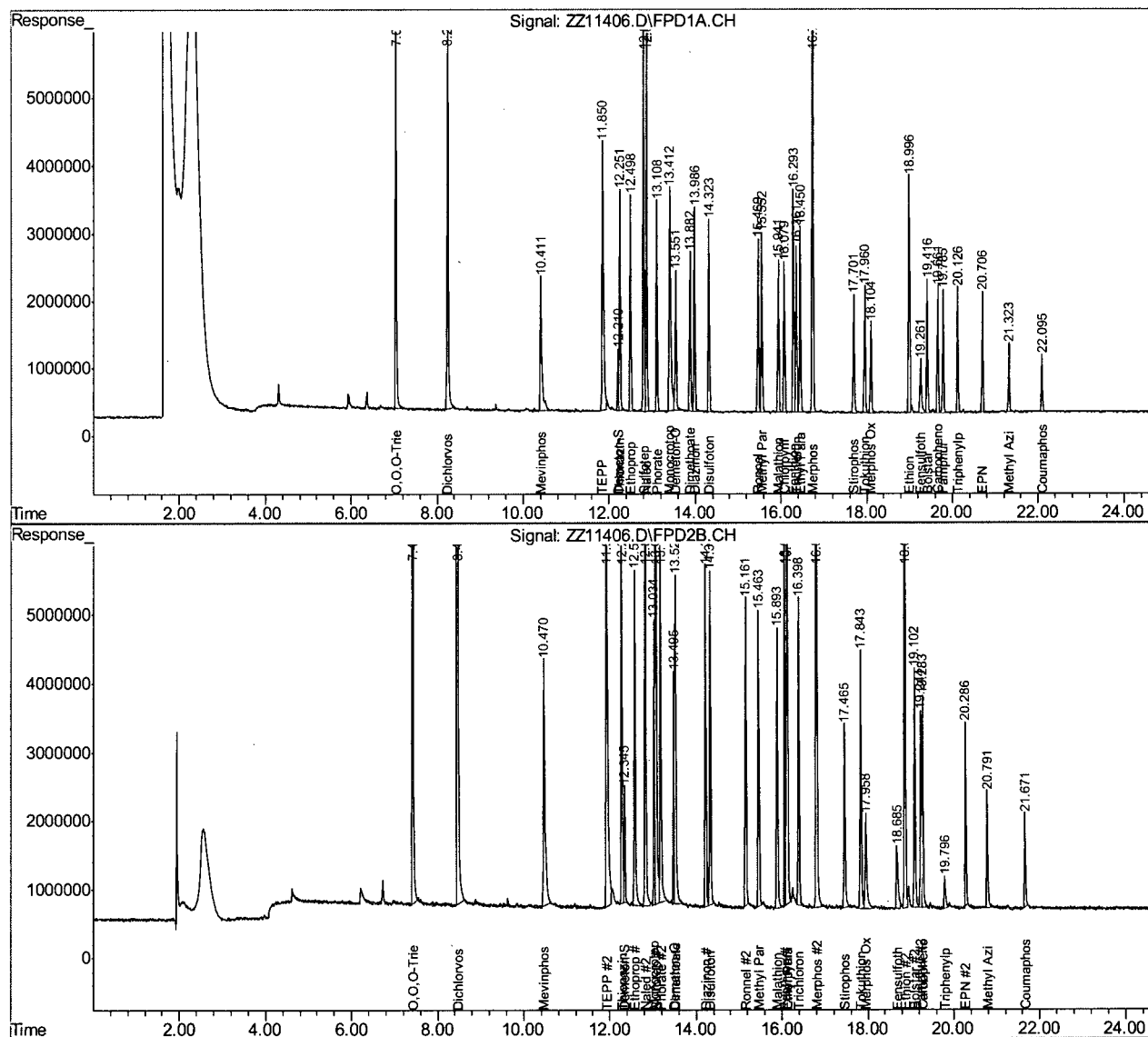
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11406.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 09:45:46
 Operator : neilc1
 Sample : icc437-400
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 5 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 10:10:38 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 09:47:03 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1
 Signal #1 Info : 0.32
 Signal #2 Phase: DB-5
 Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11407.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 10:15:06
 Operator : neilcl
 Sample : ic437-600
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 10:42:31 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 10:11:38 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.796	49503979	18034516	637.973	713.940
Spiked Amount	500.000	Range	55 - 128	Recovery	= 127.59%	142.79%#
Target Compounds						
1) O,O,O-Tri...	7.043	7.420	160.3E6	252.4E6	619.500	650.509
2) Dichlorvos	8.243	8.463	179.2E6	289.5E6	579.447	570.014
3) Mevinphos	10.406	10.463	80459492	139.2E6	743.572	739.828
4) TEPP	11.842	11.917	225.9E6	368.7E6	2472.263	2444.643
5) Demeton-S	12.210	12.344	20233423	47842831	596.671	697.745
6) Thionazin	12.250	12.282	83352646	147.4E6	640.418	728.463
7) Ethoprop	12.496	12.578	74665431	132.8E6	602.203	558.497
8) Sulfotep	12.802	13.073	141.2E6	329.6E6	621.311	555.058
9) Naled	12.869	12.825	167.1E6	283.4E6	2567.047	2467.827
10) Phorate	13.109	13.183	76898203	161.6E6	615.448	717.644
11) Monocroto...	13.404	13.024	167.8E6	181.8E6	2645.063	2611.014
12) Demeton-O	13.548	13.492	59399271	78949294	608.747	578.621
13) Dimethoate	13.880	13.521	72581528	154.4E6	646.181	755.583
14) Diazinon	13.988	14.230	75493769	124.2E6	588.003	634.654
15) Disulfoton	14.323	14.336	72676647	134.7E6	596.029	681.132
16) Ronnel	15.469	15.161	68211437	121.7E6	606.104	698.765
17) Methyl Pa...	15.554	15.463	73329313	116.8E6	634.065	670.815
18) Malathion	15.943	15.894	60303429	114.5E6	632.083	732.845
19) Chlorpyrifos	16.082	16.131	63076454	231.7E6	610.872	677.881
20) Fenthion	16.296	16.077	86982794	145.8E6	608.894	596.309
21) Trichloro...	16.364	16.398	65421364	120.3E6	600.071	623.961
22) Ethyl Par...	16.451	16.131	78336112	231.7E6	636.848	677.881
23) Merphos	16.745	16.815	179.6E6	427.2E6	2356.092	2799.056
24) Stirophos	17.705	17.466	53226947	82562344	684.440	581.566
25) Tokuthion	17.961	17.844	51257773	107.8E6	581.103	634.983
26) Merphos O...	18.105	17.958	38418991	54991065	586.238	526.450
27) Ethion	18.998	18.873	101.6E6	186.9E6	658.814	582.766
28) Fensulfot...	19.259	18.680	42295995	62736228	846.618	972.219
29) Bolstar	19.417	19.102	51390699	103.3E6	629.594	720.703
30) Carbophen...	19.662	19.284	49634308	93419489	633.651	719.426
31) Famphur	19.786	19.243	55719957	92641934	708.277	706.664
33) EPN	20.707	20.286	46131596	81530794	661.086	814.383
34) Methyl Az...	21.324	20.791	35920957	68084369	886.911	984.600
35) Coumaphos	22.094	21.670	33782927	56181614	BelowCal	876.384

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11407.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 10:15:06
Operator : neilcl
Sample : ic437-600
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 10:42:31 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 10:11:38 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

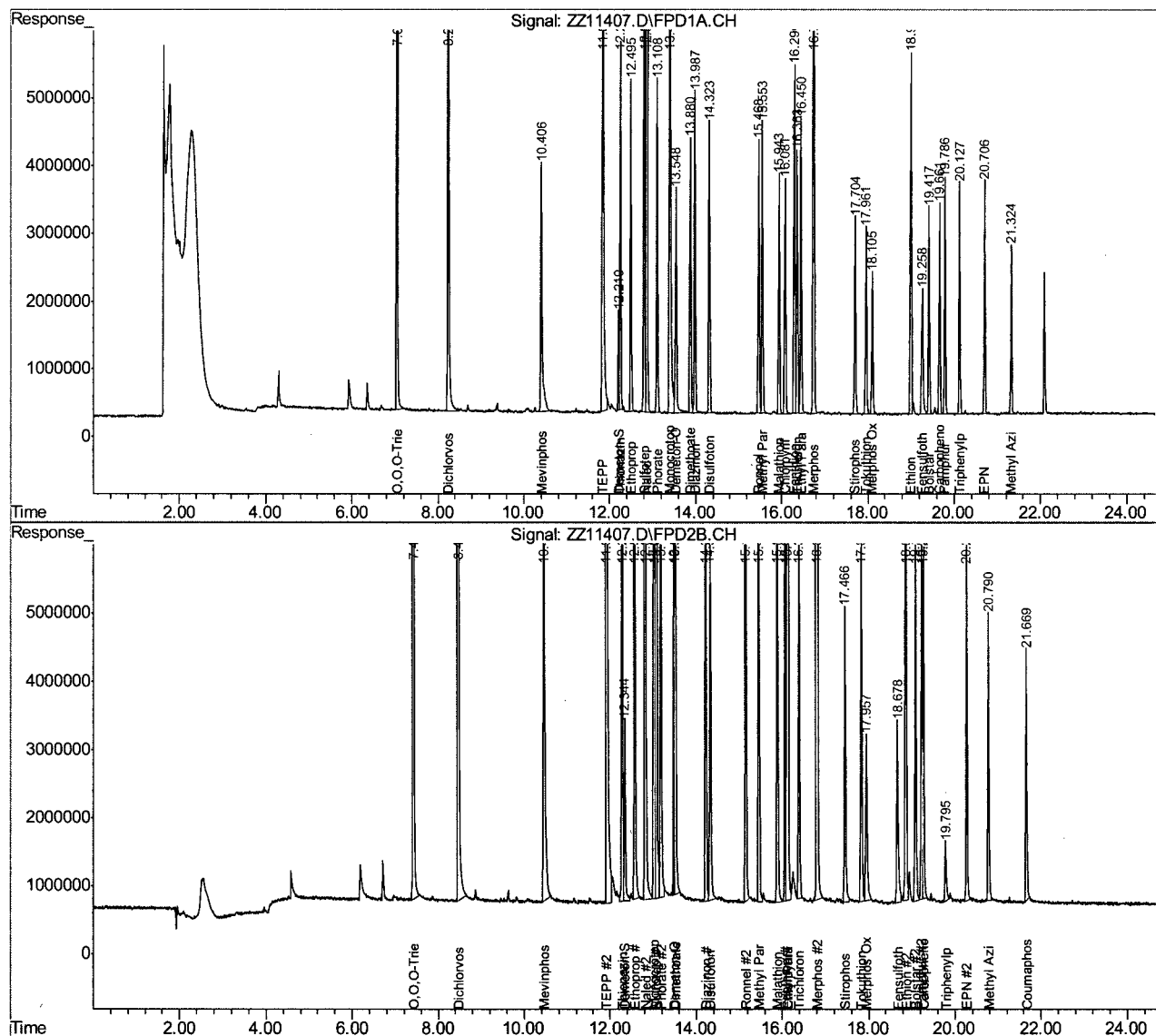
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11407.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 10:15:06
Operator : neilc1
Sample : ic437-600
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 6 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 10:42:31 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 10:11:38 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11408.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 10:44:30
 Operator : neilcl
 Sample : ic437-800
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 11:09:30 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 10:43:14 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.127	19.796	66226876	27244455	842.818	963.485
Spiked Amount		500.000 Range	55 - 128	Recovery	=	168.56%#	192.70%#
Target Compounds							
1)	O,O,O-Tri...	7.041	7.418	214.4E6	336.9E6	823.251	854.072
2)	Dichlorvos	8.242	8.462	241.6E6	390.6E6	786.600	777.034
3)	Mevinphos	10.404	10.460	113.1E6	199.3E6	779.172	1012.227
4)	TEPP	11.839	11.913	311.4E6	515.9E6	2824.291	2813.130
5)	Demeton-S	12.210	12.344	28563618	62009260	853.682	875.814
6)	Thionazin	12.250	12.281	111.4E6	193.0E6	844.292	914.659
7)	Ethoprop	12.495	12.576	102.2E6	189.3E6	823.569	790.467
8)	Sulfotep	12.801	13.073	186.2E6	421.1E6	813.867	741.476
9)	Naled	12.869	12.824	236.4E6	394.4E6	3013.318	2994.655
10)	Phorate	13.109	13.182	104.8E6	217.2E6	834.703	928.304
11)	Monocroto...	13.403	13.020	224.6E6	277.1E6	2899.541	2916.894
12)	Demeton-O	13.547	13.490	79230450	107.6E6	804.609	761.493
13)	Dimethoate	13.878	13.520	95473086	210.5E6	745.245	979.468
14)	Diazinon	13.987	14.229	103.4E6	167.9E6	808.357	847.817
15)	Disulfoton	14.324	14.335	98652519	185.5E6	810.133	913.242
16)	Ronnel	15.470	15.161	93804249	164.6E6	831.821	914.946
17)	Methyl Pa...	15.552	15.463	101.7E6	159.2E6	869.268	893.251
18)	Malathion	15.943	15.892	80439483	151.0E6	834.222	925.367
19)	Chlorpyrifos	16.081	16.131	87199191	309.4E6	841.442	882.348
20)	Fenthion	16.295	16.076	120.0E6	200.4E6	837.441	791.814
21)	Trichloro...	16.363	16.399	89511942	167.0E6	821.021	859.580
22)	Ethyl Par...	16.452	16.131	104.4E6	309.4E6	838.452	882.348
23)	Merphos	16.744	16.815	248.1E6	592.2E6	3633.734	3755.596
24)	Stirophos	17.704	17.466	73802197	115.3E6	923.035	767.559
25)	Tokuthion	17.960	17.843	71804495	151.7E6	819.199	883.015
26)	Merphos O...	18.104	17.958	53434591	87492086	819.120	808.767
27)	Ethion	18.998	18.872	135.2E6	253.9E6	859.868	765.731
28)	Fensulfot...	19.257	18.677	55122501	89164884	1019.547	994.017
29)	Bolstar	19.417	19.102	70207513	143.8E6	851.720	964.301
30)	Carbophen...	19.662	19.283	65687729	125.7E6	829.293	930.612
31)	Famphur	19.787	19.243	72654360	123.1E6	891.365	739.754
33)	EPN	20.707	20.286	60008392	105.2E6	842.786	981.009
34)	Methyl Az...	21.324	20.791	45844434	90969819	992.398	731.101
35)	Coumaphos	22.095	21.671	40431002	78409784	699.035	759.653

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11408.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 10:44:30
Operator : neilcl
Sample : ic437-800
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 7 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 11:09:30 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 10:43:14 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

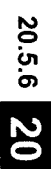
Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

(QT Reviewed)

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 11:09:30 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 10:43:14 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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Volume Inj.      : 1ul
Signal #1 Phase  : MR-1           Signal #2 Phase: DB-5
Signal #1 Info   : 0.32           Signal #2 Info : 0.32
```



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11409.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 11:13:48
 Operator : neilcl
 Sample : ic437-1000
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 11:38:49 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 11:10:06 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.127	19.795	97789757	42862427	1206.106	1085.983
Spiked Amount	500.000	Range	55 - 128	Recovery	= 241.22%#	217.20%#
Target Compounds						
1) O,O,O-Tri...	7.038	7.415	277.6E6	439.7E6	1059.418	1102.041
2) Dichlorvos	8.240	8.460	311.4E6	506.9E6	1019.608	1013.184
3) Mevinphos	10.401	10.457	148.9E6	266.9E6	981.883m	1298.288
4) TEPP	11.832	11.904	529.1E6	897.2E6	5681.815	4265.626
5) Demeton-S	12.209	12.344	37591119	86424885	1077.339	1201.678
6) Thionazin	12.249	12.280	156.2E6	270.5E6	1172.319	1252.334
7) Ethoprop	12.492	12.572	135.6E6	266.8E6	1084.254	1043.054
8) Sulfotep	12.800	13.072	262.2E6	581.2E6	1136.249	1097.779
9) Naled	12.867	12.823	324.4E6	534.8E6	3965.399	3922.869
10) Phorate	13.108	13.182	141.2E6	290.8E6	1110.021	1210.249
11) Monocroto...	13.399	13.013	377.8E6	541.7E6	4631.305	4453.664
12) Demeton-O	13.545	13.487	105.2E6	143.9E6	1055.138	1006.337
13) Dimethoate	13.876	13.517	142.0E6	325.2E6	1125.136	1458.462
14) Diazinon	13.985	14.227	138.2E6	231.8E6	1068.233	1158.875
15) Disulfoton	14.323	14.334	134.6E6	258.3E6	1096.673	1241.919
16) Ronnel	15.468	15.160	128.2E6	237.4E6	1125.038	1288.960
17) Methyl Pa...	15.553	15.463	140.2E6	221.1E6	1174.714	1216.854
18) Malathion	15.941	15.892	117.1E6	225.9E6	1206.638	1348.760
19) Chlorpyrifos	16.081	16.131	121.1E6	442.4E6	1154.109	1240.488
20) Fenthion	16.296	16.076	168.8E6	283.1E6	1162.155	1075.509
21) Trichloro...	16.362	16.397	123.7E6	230.3E6	1125.466	1170.317
22) Ethyl Par...	16.451	16.131	153.8E6	442.4E6	1222.503	1240.488
23) Merphos	16.744	16.815	341.9E6	818.3E6	4426.807	5043.417
24) Stirophos	17.703	17.464	108.2E6	171.4E6	1177.470	1073.627
25) Tokuthion	17.959	17.842	100.2E6	213.0E6	1129.803	1218.828
26) Merphos O...	18.103	17.957	72918114	129.1E6	1108.392	1024.528
27) Ethion	18.998	18.872	202.7E6	387.5E6	1278.334	1127.373
28) Fensulfot...	19.254	18.674	89150493	146.2E6	1292.147	1445.371
29) Bolstar	19.417	19.101	101.1E6	213.9E6	1212.365	1387.134
30) Carbophen...	19.661	19.282	100.1E6	203.3E6	1249.725	1465.678
31) Famphur	19.786	19.241	114.6E6	197.8E6	1255.016	1133.334
33) EPN	20.707	20.285	90986984	164.1E6	1229.887	1104.237
34) Methyl Az...	21.323	20.789	71447149	144.7E6	1233.238	1070.861
35) Coumaphos	22.095	21.670	65327785	121.4E6	1241.774	1047.548

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11409.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 11:13:48
Operator : neilcl
Sample : ic437-1000
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 11:38:49 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 11:10:06 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

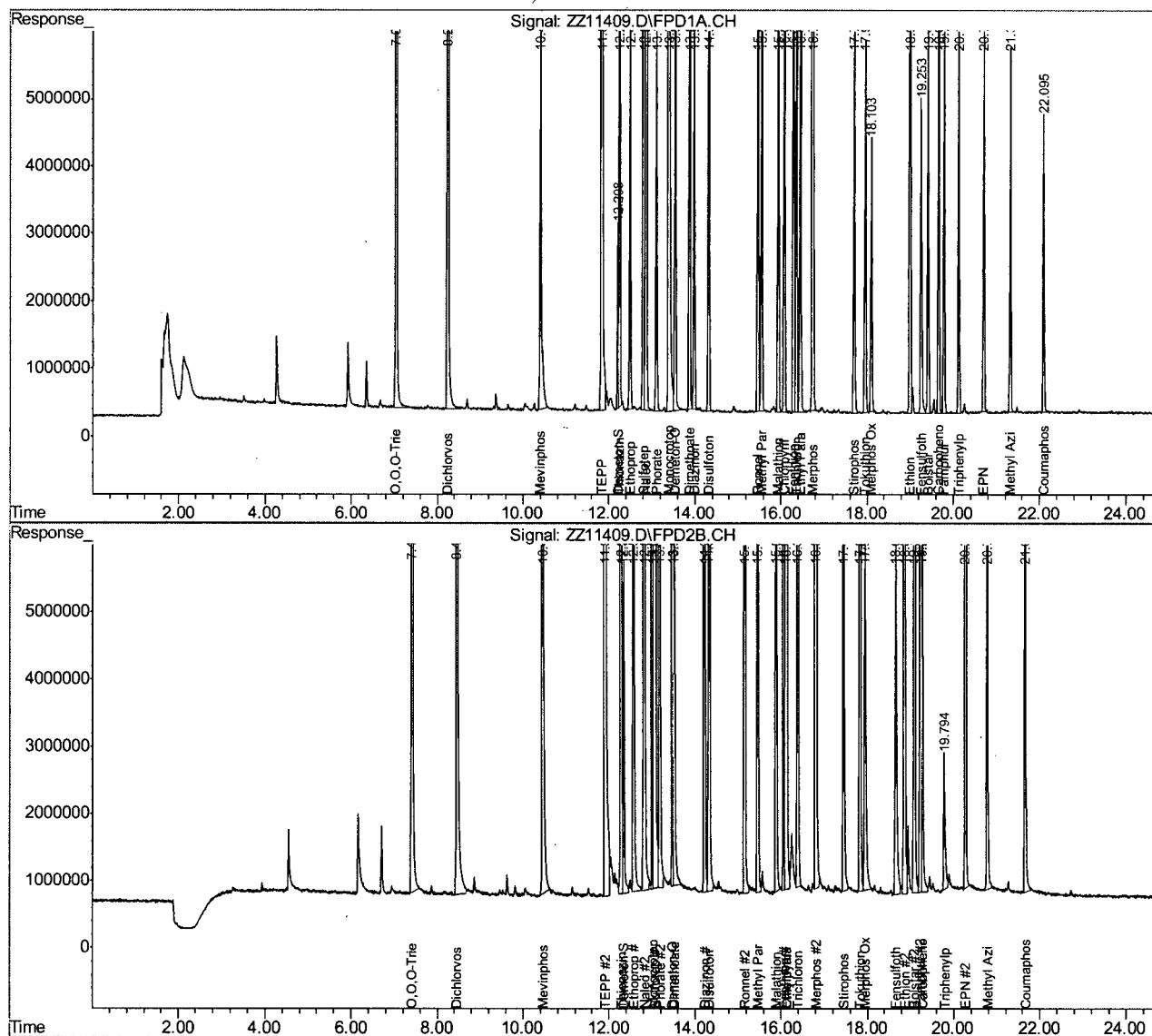
Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11409.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 11:13:48
Operator : neilc1
Sample : ic437-1000
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 8 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 11:38:49 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 11:10:06 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

```

Volume Inj.      : 1ul
Signal #1 Phase  : MR-1           Signal #2 Phase: DB-5
Signal #1 Info   : 0.32          Signal #2 Info  : 0.32

```



20.5.7 20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
 Data File : ZZ11410.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 13-Oct-10, 12:00:01
 Operator : neilc1
 Sample : icv437-400
 Misc : op34573,gzz437,1050,,,10,1,water
 ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 13 12:26:43 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 11:43:13 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

	Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds							
32) S	Triphenyl...	20.131	19.797	50492822	14352728	616.343	513.178
	Spiked Amount	500.000	Range	55 - 128	Recovery	= 123.27%	102.64%
Target Compounds							
1)	O,O,O-Tri...	7.045	7.414	94616321	151.0E6	358.439	373.130
2)	Dichlorvos	8.246	8.459	113.4E6	180.2E6	369.314	359.464
3)	Mevinphos	10.414	10.466	57266318	94044424	450.949	433.070
4)	TEPP	11.852	11.925	148.8E6	224.8E6	2026.900	1976.191
5)	Demeton-S	12.213	12.343	17556872	34101824	488.013	472.406
6)	Thionazin	12.255	12.280	59914897	97269383	451.679	430.565
7)	Ethoprop	12.502	12.580	49375238	76459521	391.092	382.493
8)	Sulfotep	12.805	13.072	116.9E6	263.2E6	499.314	496.889
9)	Naled	12.874	12.823	116.5E6	195.7E6	1897.897	1862.740
10)	Phorate	13.112	13.181	54641129	115.7E6	424.898	415.940
11)	Monocroto...	13.413	13.033	102.8E6	59564056	1829.487	1585.099
12)	Demeton-O	13.554	13.493	39336686	46831482	386.811	387.951
13)	Dimethoate	13.883	13.522	52576827	116.3E6	478.325	487.405
14)	Diazinon	13.991	14.229	57744342	89594520	445.753	438.008
15)	Disulfoton	14.327	14.334	52801697	93622804	426.419	435.177
16)	Ronnel	15.472	15.161	52490806	83802801	453.992	445.112
17)	Methyl Pa...	15.557	15.463	53755170	87235304	441.610	468.004
18)	Malathion	15.946	15.892	45815282	83649424	458.305	474.381
19)	Chlorpyrifos	16.084	16.130	48552334	170.2E6	454.205	465.885
20)	Fenthion	16.299	16.076	49239401	79135048	332.969	356.776
21)	Trichloro...	16.366	16.395	48744436	87675408	437.069	435.048
22)	Ethyl Par...	16.454	16.130	60103187	170.2E6	463.914	465.885
23)	Merphos	16.747	16.815	58416214	133.4E6	824.527	847.507
24)	Stirophos	17.709	17.463	36745597	53087018	445.488	434.432
25)	Tokuthion	17.963	17.842	38213509	78276072	425.814	449.033
26)	Merphos O...	18.106	17.956	84511688	130.0E6	1269.810	1008.719
27)	Ethion	19.002	18.872	69069921	126.6E6	417.590	448.271
28)	Fensulfot...	19.264	18.682	28746200	41461245	480.833	493.313
29)	Bolstar	19.420	19.101	38019243	75696539	442.808	471.571
30)	Carbophen...	19.666	19.284	34765190	65564689	420.847	472.578
31)	Famphur	19.790	19.242	37508463	60670988	459.227	460.721
33)	EPN	20.710	20.286	39917425	65353822	535.281	539.861
34)	Methyl Az...	21.327	20.791	27690005	52207571	547.430	537.373
35)	Coumaphos	22.099	21.671	21958730	41794481	464.144	523.601

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11410.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 12:00:01
Operator : neilcl
Sample : icv437-400
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 12:26:43 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 11:43:13 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

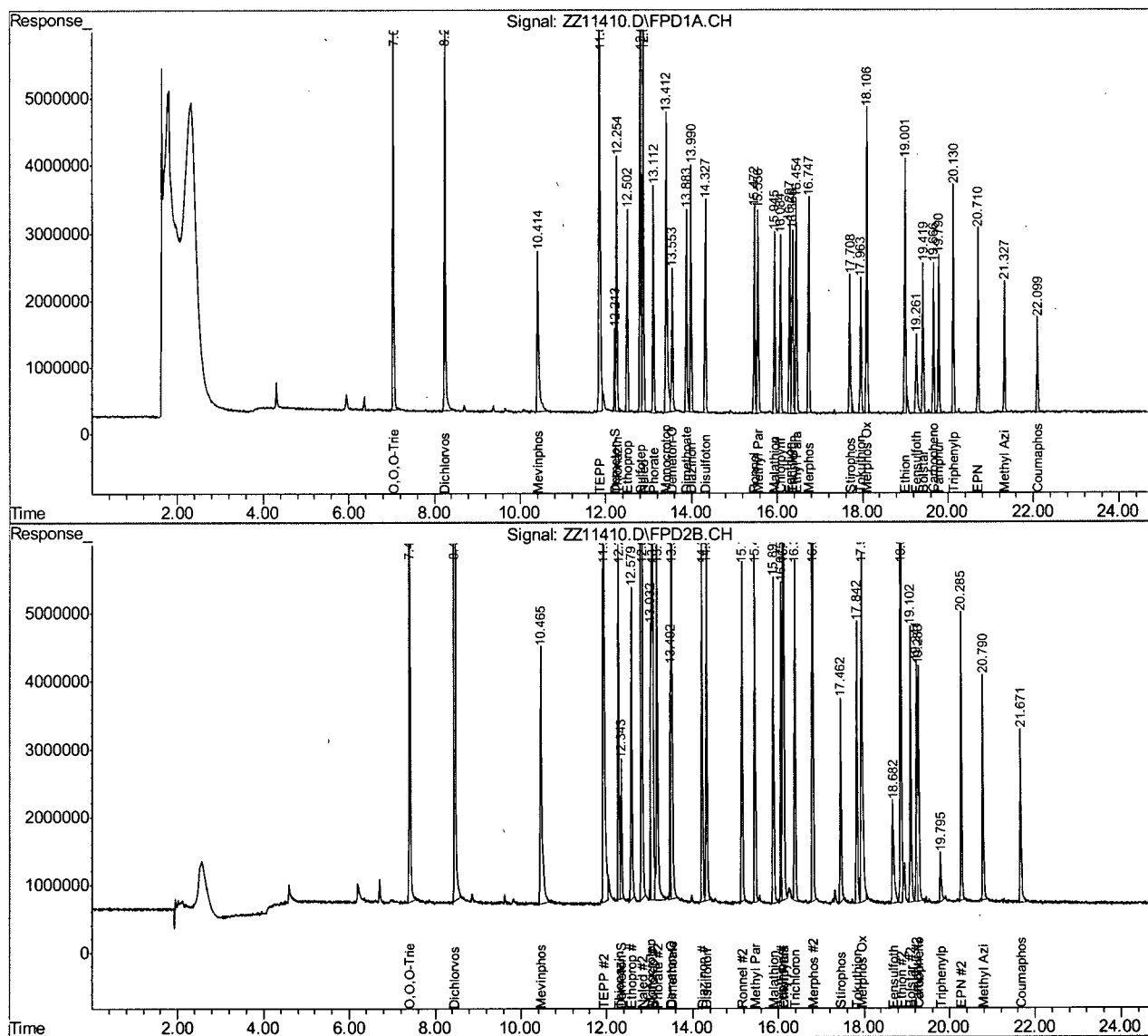
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\101310\
Data File : ZZ11410.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 13-Oct-10, 12:00:01
Operator : neilc1
Sample : icv437-400
Misc : op34573,gzz437,1050,,,10,1,water
ALS Vial : 9 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 13 12:26:43 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 11:43:13 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11413.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 08:07:27
 Operator : neilcl
 Sample : cc437-600
 Misc : op34573,gzz438,30.0,,,10,1,soil
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:02:33 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds						
32) S Triphenyl...	20.128	19.797	66880577	15731970	816.381	544.890
Spiked Amount	500.000	Range	48 - 133	Recovery	= 163.28%#	108.98%
Target Compounds						
1) O,O,O-Tri...	7.039	7.416	177.6E6	255.1E6	672.710	630.224
2) Dichlorvos	8.241	8.460	199.6E6	280.8E6	649.907	560.110
3) Mevinphos	10.404	10.458	102.6E6	158.8E6	739.832	667.919
4) TEPP	11.840	11.915	359.0E6	515.1E6	3286.381	3040.542
5) Demeton-S	12.210	12.345	25880939	45566162	719.389	603.440
6) Thionazin	12.250	12.281	108.2E6	157.8E6	752.027	652.750
7) Ethoprop	12.496	12.576	94218039	148.6E6	746.284	652.230
8) Sulfotep	12.801	13.073	180.1E6	370.2E6	768.995	679.666
9) Naled	12.869	12.823	210.8E6	309.8E6	2949.210	2667.432
10) Phorate	13.109	13.183	92852469	168.7E6	722.036	606.416
11) Monocroto...	13.403	13.020	257.9E6	298.1E6	3253.807	3104.331
12) Demeton-O	13.548	13.490	72698708	82273104	714.872	633.215
13) Dimethoate	13.879	13.521	97144216	195.5E6	770.527	716.280
14) Diazinon	13.988	14.230	92375596	129.1E6	713.086	631.076
15) Disulfoton	14.325	14.336	90602339	145.9E6	731.691	678.212
16) Ronnel	15.470	15.162	84603532	131.8E6	731.735	645.299
17) Methyl Pa...	15.554	15.464	94296104	129.0E6	774.662	653.446
18) Malathion	15.942	15.893	78137968	128.5E6	781.638	667.849
19) Chlorpyrifos	16.082	16.132	78609002	260.3E6	735.383	666.069
20) Fenthion	16.296	16.078	112.0E6	159.9E6	757.300	646.570
21) Trichloro...	16.364	16.398	80969348	132.5E6	726.014	657.348
22) Ethyl Par...	16.452	16.132	106.2E6	260.3E6	819.894	666.069
23) Merphos	16.744	16.816	117.0E6	321.4E6	1520.287	1870.283
24) Stiropfos	17.705	17.466	72323956	93496615	756.753	663.742
25) Tokuthion	17.961	17.844	65478722	122.1E6	729.631	652.475
26) Merphos O...	18.104	17.959	49752047	63810574	747.537	648.394
27) Ethion	18.998	18.873	135.0E6	223.8E6	816.221	691.055
28) Fensulfot...	19.258	18.676	62586761	85130717	1046.879	747.940
29) Bolstar	19.418	19.103	65879510	120.2E6	767.295	672.037
30) Carbophen...	19.663	19.284	66786102	115.5E6	808.474	707.143
31) Famphur	19.787	19.243	78323071	121.4E6	788.263	744.004
33) EPN	20.708	20.289	64429687	96161611	863.984	710.003
34) Methyl Az...	21.325	20.792	49120286	86770588	971.105	742.298
35) Coumaphos	22.098	21.671	45543202	74298390	962.650	751.423

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11413.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 08:07:27
Operator : neilcl
Sample : cc437-600
Misc : op34573,gzz438,30.0,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:02:33 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

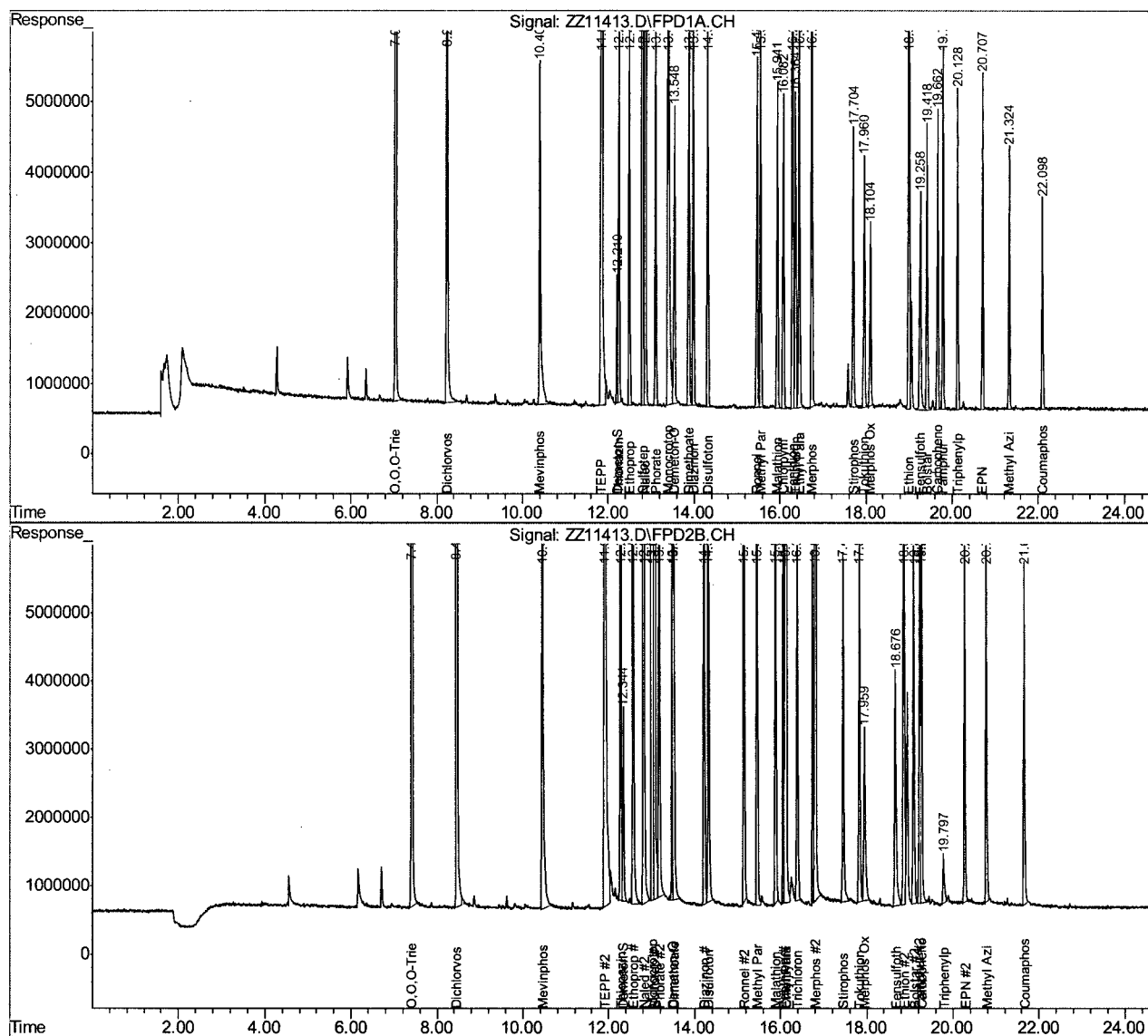
Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11413.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 08:07:27
Operator : neilc1
Sample : cc437-600
Misc : op34573,gzz438,30.0,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:02:33 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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Volume Inj.      : 1ul
Signal #1 Phase  : MR-1          Signal #2 Phase: DB-5
Signal #1 Info   : 0.32          Signal #2 Info : 0.32

```



8141-1013.m Thu Oct 21 07:30:44 2010

Page: 3

20 20.5.9

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11425.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 14:22:48
 Operator : neilcl
 Sample : cc437-600
 Misc : op34745,gzz438,29.9,,,10,1,soil
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:03:09 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.128	19.796	55485071	15463016	677.281	538.809
Spiked Amount		500.000	Range	48 - 133	Recovery	= 135.46%#	107.76%
Target Compounds							
1)	O,O,O-Tri...	7.038	7.414	165.5E6	240.3E6	627.020	593.637
2)	Dichlorvos	8.240	8.458	222.1E6	317.9E6	723.306	634.157
3)	Mevinphos	10.403	10.458	91864448	113.7E6	674.985	508.020
4)	TEPP	11.846	11.920	218.3E6	306.7E6	2507.058	2324.454
5)	Demeton-S	12.209	12.343	24217513	43754820	673.153	583.383
6)	Thionazin	12.249	12.279	94441267	139.6E6	670.450	588.611
7)	Ethoprop	12.497	12.577	87509906	129.4E6	693.150	585.700
8)	Sulfotep	12.801	13.072	155.2E6	329.0E6	662.700	610.476
9)	Naled	12.870	12.822	139.9E6	209.1E6	2181.543	1964.496
10)	Phorate	13.108	13.181	83848410	158.6E6	652.019	570.230
11)	Monocroto...	13.405	13.023	196.1E6	166.4E6	2755.021	2406.020
12)	Demeton-O	13.549	13.491	62875966	75695945	618.282	589.971
13)	Dimethoate	13.880	13.521	78749044	159.5E6	657.268	617.896
14)	Diazinon	13.987	14.228	82760380	121.1E6	638.862	591.891
15)	Disulfoton	14.324	14.334	79437116	130.5E6	641.522	606.790
16)	Ronnel	15.469	15.160	73567021	116.1E6	636.280	582.739
17)	Methyl Pa...	15.553	15.462	80966271	114.5E6	665.155	591.359
18)	Malathion	15.943	15.892	65336548	112.3E6	653.582	600.855
19)	Chlorpyrifos	16.082	16.131	69529985	225.3E6	650.450	590.905
20)	Fenthion	16.295	16.075	96515685	145.4E6	652.662	598.414
21)	Trichloro...	16.364	16.397	70513880	120.3E6	632.265	596.733
22)	Ethyl Par...	16.452	16.131	89078535	225.3E6	687.565	590.905
23)	Merphos	16.745	16.814	175.2E6	394.2E6	2212.263	2228.314
24)	Stirophos	17.705	17.463	60986504	78304951	664.975	583.073
25)	Tokuthion	17.961	17.843	56537410	110.2E6	629.998	599.407
26)	Merphos O...	18.105	17.957	47195687	59796796	709.127	621.801
27)	Ethion	18.998	18.871	114.6E6	192.8E6	692.673	618.876
28)	Fensulfot...	19.260	18.679	42630852	59479640	713.080	609.338
29)	Bolstar	19.418	19.101	56709814	106.5E6	660.496	613.620
30)	Carbophen...	19.662	19.281	54569152	96223576	660.583	623.708
31)	Famphur	19.787	19.241	62616347	94671885	672.343	629.346
33)	EPN	20.707	20.285	48532282	73451317	650.804	587.298
34)	Methyl Az...	21.323	20.790	37055078	66725784	732.577	629.386
35)	Coumaphos	22.095	21.670	36634320	55098011	774.343	624.352

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11425.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 14:22:48
Operator : neilc1
Sample : cc437-600
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:09 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

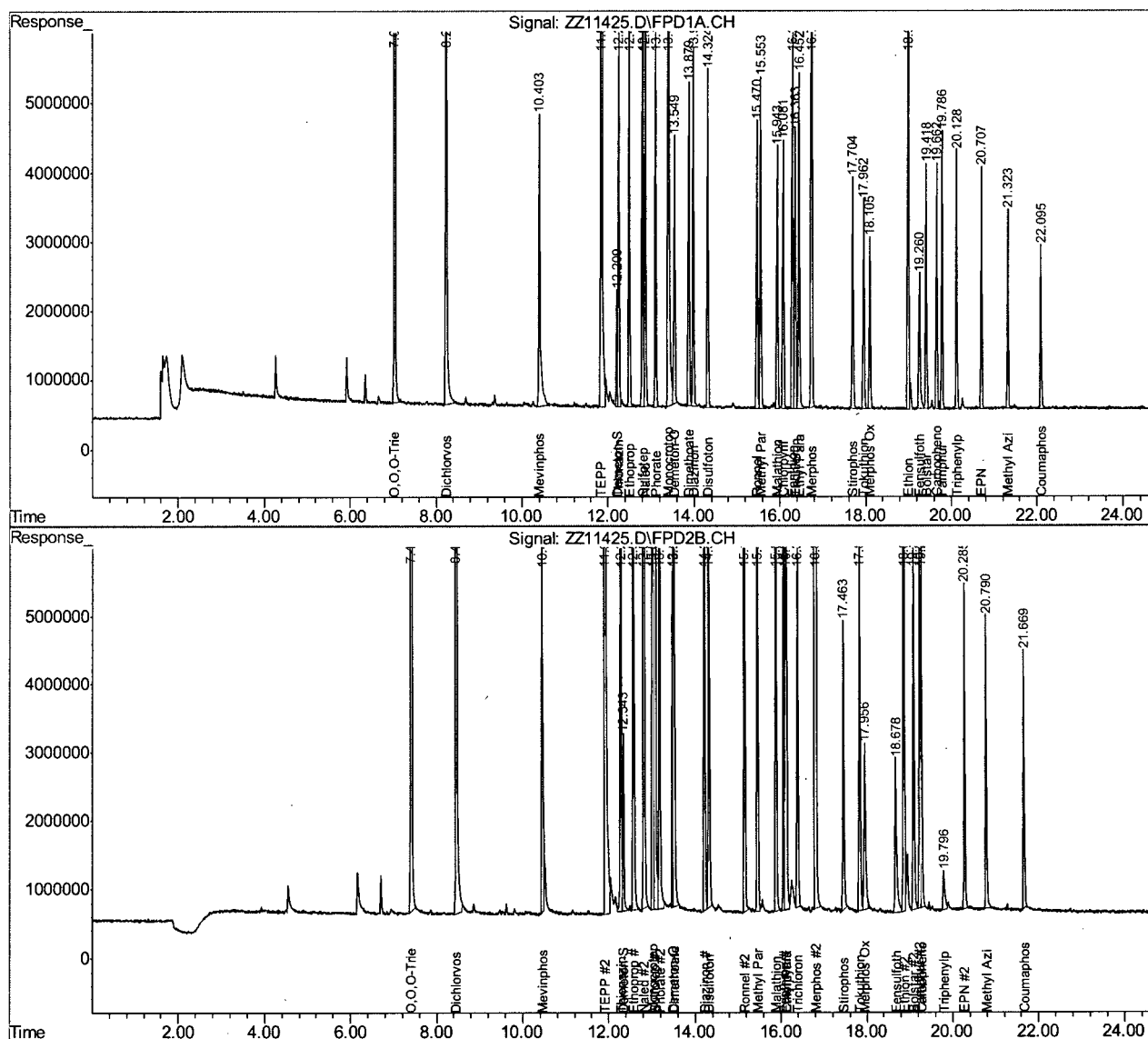
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11425.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 14:22:48
Operator : neilc1
Sample : cc437-600
Misc : op34745,gzz438,29.9,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:09 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11437.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 20:15:40
 Operator : neilcl
 Sample : cc437-600
 Misc : op34745,gzz438,30.3,,,10,1,soil
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:03:45 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.128	19.797	55068122	15754899	672.191	545.407
Spiked Amount		500.000	Range	48 - 133	Recovery	= 134.44%#	109.08%
Target Compounds							
1)	O,O,O-Tri...	7.039	7.415	168.1E6	251.9E6	636.739	622.324
2)	Dichlorvos	8.240	8.458	240.1E6	348.8E6	782.078	695.874
3)	Mevinphos	10.403	10.458	82699764	131.1E6	618.142	571.560
4)	TEPP	11.848	11.922	204.6E6	291.9E6	2418.790	2265.235
5)	Demeton-S	12.210	12.343	23754595	45240142	660.285	599.847
6)	Thionazin	12.251	12.279	90805154	137.8E6	648.440	582.070
7)	Ethoprop	12.497	12.577	84048191	131.9E6	665.730	594.573
8)	Sulfotep	12.802	13.072	148.9E6	325.2E6	635.955	604.045
9)	Naled	12.869	12.823	117.1E6	180.6E6	1905.822	1746.191
10)	Phorate	13.109	13.182	80769670	156.5E6	628.078	562.677
11)	Monocroto...	13.406	13.025	183.8E6	138.8E6	2646.969	2227.866
12)	Demeton-O	13.549	13.491	62656123	74506063	616.120	582.047
13)	Dimethoate	13.881	13.521	74532322	153.0E6	630.001	599.203
14)	Diazinon	13.989	14.228	78689390	117.7E6	607.437	575.272
15)	Disulfoton	14.325	14.334	74992188	125.6E6	605.626	583.978
16)	Ronnel	15.469	15.160	68115750	110.8E6	589.132	561.036
17)	Methyl Pa...	15.554	15.462	74766967	111.5E6	614.226	577.918
18)	Malathion	15.943	15.892	62326322	111.0E6	623.470	595.395
19)	Chlorpyrifos	16.082	16.129	65524002	217.4E6	612.974	573.470
20)	Fenthion	16.296	16.075	90400878	141.6E6	611.312	585.418
21)	Trichloro...	16.364	16.395	66252064	117.6E6	594.051	583.604
22)	Ethyl Par...	16.452	16.129	84320472	217.4E6	650.839	573.470
23)	Merphos	16.745	16.814	150.4E6	342.1E6	1917.271	1973.839
24)	Stirophos	17.705	17.463	58378915	76584236	643.016	573.566
25)	Tokuthion	17.961	17.842	53481751	107.6E6	595.949	587.462
26)	Merphos O...	18.104	17.957	46688735	64131670	701.510	650.488
27)	Ethion	19.000	18.871	107.8E6	188.5E6	651.828	608.369
28)	Fensulfot...	19.261	18.678	42949577	57457203	718.411	597.261
29)	Bolstar	19.418	19.101	54459530	104.4E6	634.287	604.527
30)	Carbophen...	19.663	19.281	52725458	95972619	638.264	622.572
31)	Famphur	19.788	19.241	60657226	93003374	657.091	621.746
33)	EPN	20.708	20.286	44871204	71228223	601.710	574.494
34)	Methyl Az...	21.325	20.791	36610677	64913844	723.791	618.444
35)	Coumaphos	22.097	21.669	35313430	56247867	746.423	632.498

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11437.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 20:15:40
Operator : neilcl
Sample : cc437-600
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:45 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

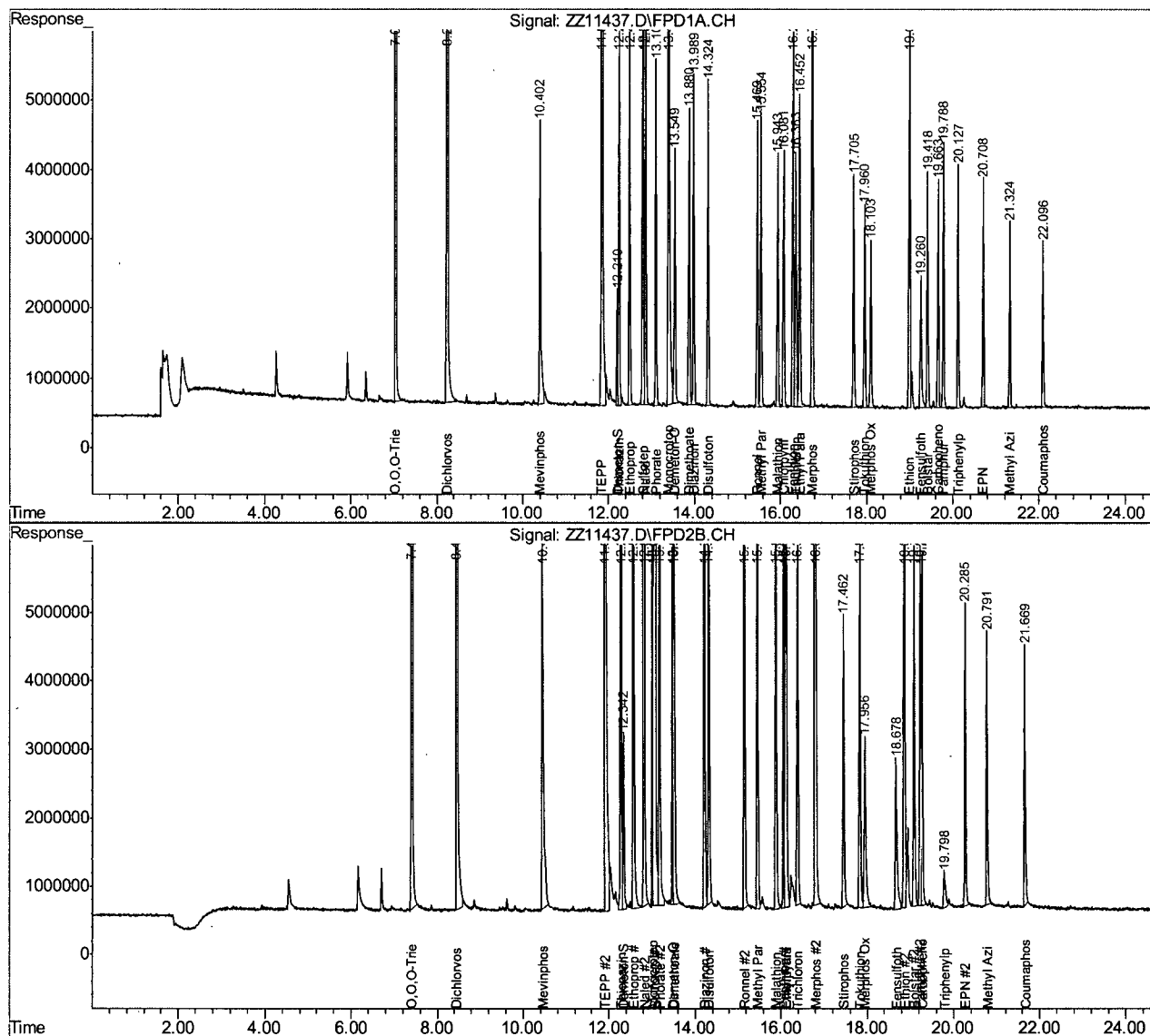
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11437.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 20:15:40
Operator : neilc1
Sample : cc437-600
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:45 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
 Data File : ZZ11441.D
 Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
 Acq On : 20-Oct-10, 22:13:04
 Operator : neilc1
 Sample : ecc437-600
 Misc : op34745,gzz438,30.3,,,10,1,soil
 ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
 Integration File signal 2: EVENTS2.E
 Quant Time: Oct 21 07:03:57 2010
 Quant Method : C:\msdchem\2\METHODS\8141-1013.m
 Quant Title : Organophosphorus Pesticides by 8141
 QLast Update : Wed Oct 13 12:01:02 2010
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
 Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
 Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

System Monitoring Compounds							
32) S	Triphenyl...	20.128	19.795	55684071	14737416	679.710	522.157
Spiked Amount		500.000	Range	48 - 133	Recovery	= 135.94%#	104.43%
Target Compounds							
1)	O,O,O-Tri...	7.039	7.415	169.3E6	253.6E6	641.388	626.624
2)	Dichlorvos	8.240	8.458	252.0E6	375.6E6	820.829	749.346
3)	Mevinphos	10.403	10.458	89081026	115.5E6	657.893	514.673
4)	TEPP	11.846	11.920	225.4E6	327.2E6	2551.348	2403.977
5)	Demeton-S	12.209	12.342	22794223	42273724	633.591	566.811
6)	Thionazin	12.250	12.279	89147246	136.8E6	638.331	578.579
7)	Ethoprop	12.497	12.576	82856758	131.7E6	656.293	593.927
8)	Sulfotep	12.801	13.070	152.0E6	324.0E6	649.029	602.001
9)	Naled	12.869	12.821	109.6E6	168.1E6	1810.611	1646.618
10)	Phorate	13.108	13.181	80433436	149.3E6	625.464	536.584
11)	Monocroto...	13.405	13.024	194.3E6	149.7E6	2739.627	2299.810
12)	Demeton-O	13.548	13.490	66102852	74399687	650.013	581.337
13)	Dimethoate	13.880	13.519	75797378	154.9E6	638.237	604.796
14)	Diazinon	13.987	14.227	79931223	121.6E6	617.023	594.457
15)	Disulfoton	14.325	14.332	76183889	132.8E6	615.250	617.138
16)	Ronnel	15.469	15.159	70423777	115.4E6	609.094	579.872
17)	Methyl Pa...	15.553	15.461	76662902	113.8E6	629.801	588.283
18)	Malathion	15.942	15.890	63682982	113.1E6	637.041	604.407
19)	Chlorpyrifos	16.082	16.128	66904710	223.3E6	625.890	586.488
20)	Fenthion	16.295	16.074	92280031	143.6E6	624.020	592.234
21)	Trichloro...	16.363	16.394	67290155	120.0E6	603.359	595.213
22)	Ethyl Par...	16.450	16.128	85606242	223.3E6	660.763	586.488
23)	Merphos	16.744	16.813	143.6E6	330.0E6	1836.399	1913.348
24)	Stirophos	17.704	17.462	59940045	79205527	656.203	588.017
25)	Tokuthion	17.960	17.840	54529169	109.7E6	607.620	597.322
26)	Merphos O...	18.105	17.956	47357595	63624454	711.560	647.178
27)	Ethion	18.998	18.869	110.8E6	194.0E6	669.746	621.739
28)	Fensulfot...	19.260	18.677	45999773	61577997	769.431	621.660
29)	Bolstar	19.417	19.100	55986752	106.6E6	652.074	614.008
30)	Carbophen...	19.663	19.280	53535091	96541560	648.065	625.145
31)	Famphur	19.787	19.241	62761814	94255070	673.468	627.453
33)	EPN	20.707	20.285	47306554	74350569	634.367	592.432
34)	Methyl Az...	21.323	20.790	37159475	65244728	734.641	620.452
35)	Coumaphos	22.096	21.668	35040800	56294993	740.660	632.830

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11441.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 22:13:04
Operator : neilc1
Sample : ecc437-600
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:57 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1 Signal #2 Phase: DB-5
Signal #1 Info : 0.32 Signal #2 Info : 0.32

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

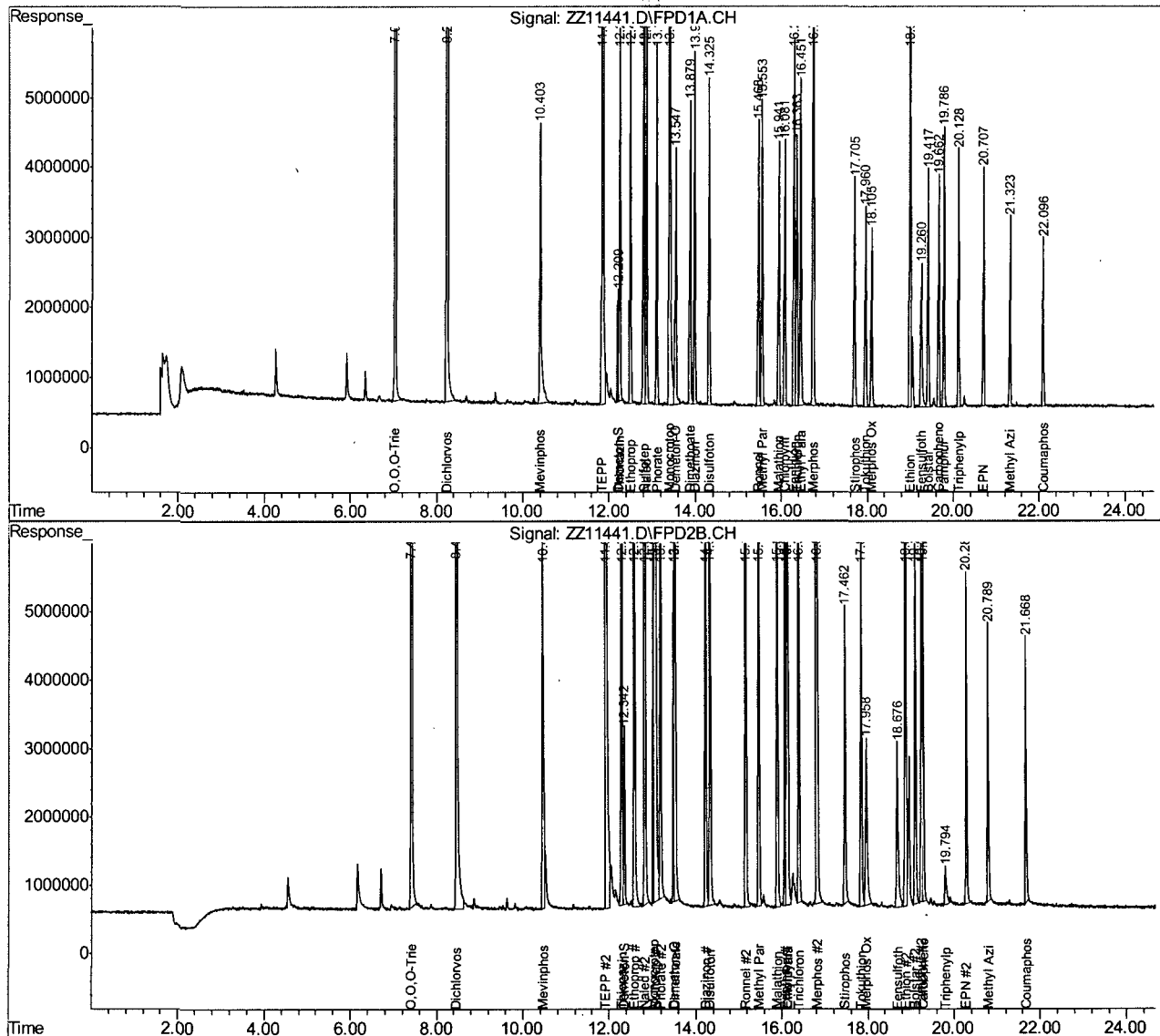
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.						

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\102010\
Data File : ZZ11441.D
Signal(s) : Signal #1: FPD1A.CH Signal #2: FPD2B.CH
Acq On : 20-Oct-10, 22:13:04
Operator : neilc1
Sample : ecc437-600
Misc : op34745,gzz438,30.3,,,10,1,soil
ALS Vial : 2 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: EVENTS.E
Integration File signal 2: EVENTS2.E
Quant Time: Oct 21 07:03:57 2010
Quant Method : C:\msdchem\2\METHODS\8141-1013.m
Quant Title : Organophosphorus Pesticides by 8141
QLast Update : Wed Oct 13 12:01:02 2010
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1ul
Signal #1 Phase : MR-1
Signal #1 Info : 0.32
Signal #2 Phase: DB-5
Signal #2 Info : 0.32



ACCUTEST LABORATORIES SE

DATE: 10/13/10
 COLUMN TYPE: DB-5 MR2
 AMOUNT INJECTED: 2 ul
 INSTRUMENT: FPD1-ZZ

GC FPD1-ZZ ANALYSIS LOG

METHODS*: 8141
 ACQ. METHOD: J
 PROC. METHOD: 3191-103
 CALIB. DATE: 10/13/10
 RUN BATCH: GZZ 437

ANALYST: MC
 HEXANE LOT #: N/A CHCL: J27503
 SIGNAL 1 SURR. AREA/CONC: 78.0
 SIGNAL 2 SURR. AREA/CONC: 47.6

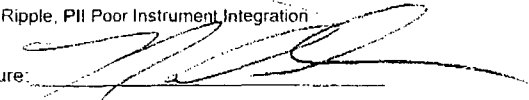
DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
ZZ 11402	1	cond std	8141	33683-5839	10/13/10		✓
ZZ 03	2	1C437-50			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 04	3	1C437-100			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 05	4	1C437-200			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 06	5	1C437-400			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 07	6	1C437-600			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 08	7	1C437-800			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 09	8	1C437-1000			10/13/10	Empirical, 0.28 MP sig 1	✓
ZZ 10	9	1C437-400		33683-5839	10/13/10		Pass, Multiple ↑
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							
ZZ							

* For NELAC purposes, Method 8141 includes analytes by SOP GC032

Manual Integration Rationale SOP QA029: MP Misset Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

gcfpd1 zz_log.xls NF rev. 08/09

Analyst's Signature: 

ACCUTEST LABORATORIES SE

DATE: 10/20/06
 COLUMN TYPE: 05-S MRI
 AMOUNT INJECTED: 2 ul
 INSTRUMENT: FPD1-ZZ

GC FPD1-ZZ ANALYSIS LOG

METHODS: 8141
 ACQ. METHOD: J
 PROC. METHOD: 8141-1013
 CALIB. DATE: 10/13/06
 RUN BATCH: GZZ 438

ANALYST: NJC
 HEXANE LOT #: 527034
 SIGNAL 1 SURR. AREA/CONC: 53.0
 SIGNAL 2 SURR. AREA/CONC: 67.7

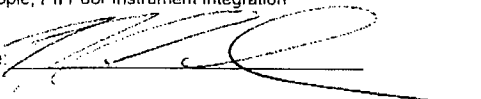
DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
ZZ 1143	19	OP31745-M.55	8141	OP31745	1X	C23 MP (no morphine detected)	✓
ZZ 32	20	JA58750-12					ND
ZZ 33	21	-13					ND
ZZ 34	22	-14					ND
ZZ 35	23	-15					ND
ZZ 36	24	-16					ND
ZZ 37	2	CC437-600		53683-53684	120.124/400		MISS multiple
ZZ 38	14	cch					ND
ZZ 39	25	JA58750-17		OP31745	1X		ND
ZZ 40	26	-18					ND
ZZ 41	2	CC437-600		53683-53684	120.124/400		MISS multiple
ZZ 42	27	TEP 100		53697	201/400		test only
ZZ 43	28	TEP 400			201/400		
ZZ 44	29	TEP 600			201/400		
ZZ 45	30	bs1		N/A	1X		
ZZ 46	31	bs2					
ZZ 47	32	bs3					
ZZ 48	33	bs4					
ZZ							
ZZ							

* For NELAC purposes, Method 8141 includes analytes by SOP GC032

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

gcfpd1_zz_log.xls NF rev. 08/09

Analyst's Signature: 

ACCUTEST LABORATORIES SE

DATE: 10/20/10
 COLUMN TYPE: DB-5 MRL
 AMOUNT INJECTED: 2 ul
 INSTRUMENT: FPD1-ZZ

GC FPD1-ZZ ANALYSIS LOG

METHODS: 8141
 ACQ. METHOD: 1
 PROC. METHOD: 8141-1013
 CALIB. DATE: 10/13/10
 RUN BATCH: GZZ 438

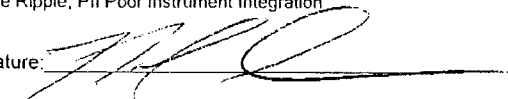
ANALYST: NC
 HEXANE LOT #: 327E34
 SIGNAL 1 SURR. AREA/CONC: 53.0
 SIGNAL 2 SURR. AREA/CONC: 67.7

DATA FILE	ALS #	SAMPLE ID	SAMPLE METHOD	OP BATCH	DF	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	COMMENTS
ZZ 11411	1	CAND STD	8141	53683-5384	200.000		
ZZ 12	1	CAND STD					
ZZ 13	2	CC437-600			10.124/100		pass multiple ↑
ZZ 14	3	E3493 841, SURR 400		E3493	25x	10.124/100	pass
ZZ 15	4	CP34745 - h3		CP34745	1x	10.124/100 C23 mp (45 morpho. x-ray) C34 PDB. 100%	✓
ZZ 16	5	mb					ND
ZZ 17	6	JA 58750-1					ND
ZZ 18	7	-2					ND
ZZ 19	8	-3					ND
ZZ 20	9	-4					ND
ZZ 21	10	-5					ND
ZZ 22	11	-6					ND
ZZ 23	12	-7					ND
ZZ 24	13	-8					ND
ZZ 25	2	CC437-600		53683-5384	10.124/100		pass multiple ↑
ZZ 26	14	mb					ND
ZZ 27	15	JA 58750-9		CP34745	1x		ND
ZZ 28	16	-10					ND
ZZ 29	17	-11					ND
ZZ 30	18	CP34745 - m3				C23 mp (45 morpho. x-ray)	✓

* For NELAC purposes, Method 8141 includes analytes by SOP GC032

Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration
 All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

gcfpd1_zz_log.xls NF rev. 08/09

Analyst's Signature: 

ACCUTEST LABORATORIES SE

SOLID SAMPLE PREP REPORT

Date/Time: 10/19/10
(mm/dd/yy 24:00) 10:15Prep Method: (3550B) or Method (circle)Batch#: OP 34745Analytical Method: 8141Ext. By: JL ACH Conc. By: AV Viald By: MV

Sample ID	Bottle Number	Amount Extracted (u)	Surrogate Amount	Spike Amount	Final Volume (ml)	Comments
OP34745 MB	X	30.0	0.5ml		10.0ml	
OP34745 BS	X	30.0		0.5ml		
JA58750-1	1	29.7				
-2	1	29.4				
-3	1	30.4				
-4	1	29.7				
-5	1	30.0				
-6	1	30.0				
-7	1	30.0				
-8	1	29.9				
-9	1	29.9				
-10	1	30.2				
-11	2	30.3				MS, MSD
-12	1	30.2				
-13	1	30.3				
-14	1	30.4				
-15	1	29.8				
-16	1	30.3				
-17	1	30.0				
-18	1	29.7				
<u>10/19/10</u>						
JA58750-11 MS	2	30.0	0.5ml	0.5ml	10.0ml	
-11 MSD	2	30.2	↓	↓	↓	
DUP						

Comments:

Surr. ID: E3442 Conc: 10 ppm Exp. Date: 03/03/11 Inj. By: JL Ver. By: ACH
 Spk. ID: E3442 Conc: 10 ppm Exp. Date: 02/24/11 Inj. By: JL Ver. By: ACH

Initial Bath Temp (Therm ID): TV 7 Exchange Bath/N-Evap Temp (Therm ID): TV 4
 Observed Temp °C: 40°C Corr. Temp °C: 40°C Observed Temp °C: 55°C Corr. Temp °C: 55°C

CH₂Cl₂ Lot # 527503 Hexane Lot # J27E34 Na₂SO₄ Lot# 551318
 Acetonitrile Lot # — Methanol Lot # — Acetone Lot# —
 Syringe Filter Lot# — Reagent # — Reagent # —
 Copper Lot # — If Sulfur Cleaning is performed in Extractions (3660B)

Relinquished By: Manny VDate: 10/19/10Accepted By: Y. SalasDate: 10/19/10



Misc. Raw Data

Raw Data



Methanol Prep Log

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Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By:	Vial Desc:	Comments
10/4/2010-305	JA58750-1.10	30.4800	42.1800	11.7000	10/13/2010	di	jp	DI water	
10/4/2010-306	JA58750-1.11	30.6200	39.9700	9.3500	10/13/2010	di	jp	DI water	
10/1/2010-108	JA58750-1.9	36.5900	46.3200	9.7300	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-309	JA58750-10.10	30.5600	41.0000	10.4400	10/13/2010	di	jp	DI water	
10/4/2010-310	JA58750-10.11	30.5300	40.6800	10.1500	10/13/2010	di	jp	DI water	
10/1/2010-82	JA58750-11.25	36.8700	46.7900	9.9200	10/13/2010	h45e36	nt	10ml MeOH	
10/1/2010-104	JA58750-11.26	36.7000	45.9300	9.2300	10/13/2010	h45e36	nt	10ml MeOH	
10/1/2010-107	JA58750-11.27	36.6700	46.7800	10.1100	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-311	JA58750-11.28	30.5300	39.9400	9.4100	10/13/2010	di	jp	DI water	
10/4/2010-312	JA58750-11.29	30.5100	41.4900	10.9800	10/13/2010	di	jp	DI water	
10/4/2010-313	JA58750-11.30	30.5400	42.4400	11.9000	10/13/2010	di	jp	DI water	
10/4/2010-314	JA58750-11.31	30.5600	41.1100	10.5500	10/13/2010	di	jp	DI water	
10/4/2010-321	JA58750-11.32	30.6800	41.0300	10.3500	10/13/2010	di	jp	DI water	
10/4/2010-322	JA58750-11.33	30.8300	41.5700	10.7400	10/13/2010	di	jp	DI water	
10/5/2010-369	JA58750-12.10	30.6100	41.5100	10.9000	10/13/2010	di	jp	DI water	
10/5/2010-370	JA58750-12.11	30.5700	40.4100	9.8400	10/13/2010	di	jp	DI water	
10/1/2010-109	JA58750-12.9	36.8900	46.2300	9.3400	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-323	JA58750-13.10	30.9100	41.5800	10.6700	10/13/2010	di	jp	DI water	
10/4/2010-324	JA58750-13.11	30.5300	40.1300	9.6000	10/13/2010	di	jp	DI water	
10/1/2010-83	JA58750-13.9	36.6900	48.3300	11.6400	10/13/2010	h45e36	nt	10ml MeOH	



Methanol Prep Log

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Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By:	Vial Desc:	Comments
10/4/2010-328	JA58750-14.10	30.7800	40.5100	9.7300	10/13/2010	di	jp	DI water	
10/4/2010-329	JA58750-14.11	30.7200	40.9100	10.1900	10/13/2010	di	jp	DI water	
10/1/2010-97	JA58750-14.9	36.6800	46.5100	9.8300	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-330	JA58750-15.10	30.7500	41.1900	10.4400	10/13/2010	di	jp	DI water	
10/4/2010-340	JA58750-15.11	30.5900	41.8200	11.2300	10/13/2010	di	jp	DI water	
10/1/2010-86	JA58750-15.9	36.9400	47.5300	10.5900	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-331	JA58750-16.10	30.7100	39.3700	8.6600	10/13/2010	di	jp	DI water	
10/4/2010-332	JA58750-16.11	30.5200	39.2000	8.6800	10/13/2010	di	jp	DI water	
10/1/2010-102	JA58750-16.9	36.6200	48.2900	11.6700	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-315	JA58750-17.10	30.6400	40.5100	9.8700	10/13/2010	di	jp	DI water	
10/4/2010-316	JA58750-17.11	30.7700	39.9800	9.2100	10/13/2010	di	jp	DI water	
10/1/2010-81	JA58750-17.9	37.0900	45.9800	8.8900	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-317	JA58750-18.10	30.6100	40.0900	9.4800	10/13/2010	di	jp	DI water	
10/4/2010-318	JA58750-18.11	30.9000	39.8400	8.9400	10/13/2010	di	jp	DI water	
10/1/2010-103	JA58750-18.9	36.9300	46.6300	9.7000	10/13/2010	h45e36	nt	10ml MeOH	
10/5/2010-363	JA58750-2.10	30.4000	41.6600	11.2600	10/13/2010	di	jp	DI water	
10/5/2010-364	JA58750-2.11	30.5200	41.7100	11.1900	10/13/2010	di	jp	DI water	
10/1/2010-110	JA58750-2.9	36.7600	48.0400	11.2800	10/13/2010	h45e36	nt	10ml MeOH	
10/5/2010-361	JA58750-3.10	30.7900	41.8300	11.0400	10/13/2010	di	jp	DI water	
10/5/2010-362	JA58750-3.11	30.5700	41.8500	11.2800	10/13/2010	di	jp	DI water	



Methanol Prep Log

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Vial Track #:	Lims ID:	Initial Tare Wt (g)	Total Wt (g)	Weight of Sample (g)	Date Prepared	Lot #:	Prep By:	Vial Desc:	Comments
10/1/2010-111	JA58750-3.9	36.6300	48.6300	12.0000	10/13/2010	h45e36	nt	10ml MeOH	
10/5/2010-367	JA58750-4.10	30.4900	40.9400	10.4500	10/13/2010	di	jp	DI water	
10/5/2010-368	JA58750-4.11	30.5200	41.4800	10.9600	10/13/2010	di	jp	DI water	
10/1/2010-84	JA58750-4.9	36.7500	47.8400	11.0900	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-301	JA58750-5.10	30.5900	42.2300	11.6400	10/13/2010	di	jp	DI water	
10/4/2010-302	JA58750-5.11	30.4500	43.0300	12.5800	10/13/2010	di	jp	DI water	
10/1/2010-106	JA58750-5.9	36.8500	48.7800	11.9300	10/13/2010	h45e36	nt	10ml MeOH	
10/5/2010-365	JA58750-6.10	30.6200	41.0900	10.4700	10/13/2010	di	jp	DI water	
10/5/2010-366	JA58750-6.11	30.5800	41.8100	11.2300	10/13/2010	di	jp	DI water	
10/1/2010-90	JA58750-6.9	37.0400	47.0400	10.0000	10/13/2010	h45e36	nt	10ml MeOH	
10/5/2010-371	JA58750-7.10	30.6200	40.5300	9.9100	10/13/2010	di	jp	DI water	
10/5/2010-372	JA58750-7.11	30.6600	40.8900	10.2300	10/13/2010	di	jp	DI water	
10/1/2010-99	JA58750-7.9	36.6200	46.3600	9.7400	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-307	JA58750-8.10	30.8500	40.7100	9.8600	10/13/2010	di	jp	DI water	
10/4/2010-308	JA58750-8.11	30.6200	41.4700	10.8500	10/13/2010	di	jp	DI water	
10/1/2010-100	JA58750-8.9	36.7300	47.3700	10.6400	10/13/2010	h45e36	nt	10ml MeOH	
10/4/2010-303	JA58750-9.10	30.5500	39.6300	9.0800	10/13/2010	di	jp	DI water	
10/4/2010-339	JA58750-9.11	30.6400	42.1500	11.5100	10/13/2010	di	jp	DI water	
10/1/2010-105	JA58750-9.9	36.6400	48.6700	12.0300	10/13/2010	h45e36	nt	10ml MeOH	